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SOURCE REMOVAL REPORT ADDENDUM FOR ADDITIONAL SOIL REMOVAL EXCAVATION OF LEAD AND/OR POLYCYCLIC AROMATIC HYDROCARBON CONTAMINATED SOIL AT OPERABLE UNIT 5 (OU 5) SITE 49 FORMER SKEET RANGE NAS CECIL FIELD FL

2/3/2006

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February 3, 2006

Mr. Mark Davidson
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Subject: Source Removal Report Addendum
Additional Soil Removal - Excavation of Lead and/or PAH-contaminated Soil
from Operable Unit 5, Site 49, Former Skeet Range
Response Action Contract No. N62467-01-D-0331
Contract Task Order No. 0038
Former Naval Air Station Cecil Field - Jacksonville, Florida

Dear Mr. Davidson:

CH2M HILL Constructors, Inc. (CH2M HILL) is pleased to submit this Source Removal Report (SRR) Addendum to the SRR for the Excavation of Lead and/or PAH Contaminated Soil from Operable Unit 5, Site 49 Former Skeet Range (CH2M HILL, May 2004) located at the former Naval Air Station (NAS) Cecil Field, Jacksonville, Florida. This SRR Addendum is prepared for the U.S. Naval Facilities Engineering Command, Engineering Field Division South (NAVFAC EFD SOUTH) under Contract Task Order (CTO) No. 0038 for Response Action Contract (RAC) No. N62467-01-D-0331.

The contents of this SRR Addendum document the activities to complete the additional soil removal at Operable Unit (OU) 5, Site 49 in accordance with the Removal Action Design Package for Operable Unit 5, Site 49 – Former Skeet Range, Revision 1 (Tetra Tech NUS, Inc. [TtNUS], May 2005). The Removal Action Design Package is provided for reference in Enclosure 2 of this SRR Addendum.

Site 49 consists of the former skeet range (Facility 804) located in the area known as the Main Base of NAS Cecil Field. The site is located at the western end of Lake Newman Street (formerly 6th Street), at the junction of Perimeter Road. The site is an unpaved and undeveloped area that has been cleared and covers about 4.5 acres. The open area is surrounded by wooded areas, although the area to the northeast is cleared around Lake Newman. The wooded area south of the range has sparse vegetation compared to the adjacent wooded areas. Five small buildings on the site were used for storage and launching clay pigeons and one small building was used for electrical equipment. Building 807, the Skeet Range Office, was located at the northern end of the site. The area is undeveloped and the reuse plan identifies the area for Park/Buffer uses.

Site 49 was used as a skeet shooting range from 1965 to 1998. Prior to 1965, historical aerial photographs show that the area was unused and undeveloped. Building 807 was constructed in 1971. The site was identified in the Environmental Baseline Survey as Potential Source of Contamination (PSC) 49. TtNUS performed field investigations for the assessment of surface and subsurface soil and groundwater at PSC 49 from June 1999 to May 2001. During this period, polynuclear aromatic hydrocarbon (PAH) and inorganic contamination was detected and delineated horizontally and vertically. Eight sampling events were conducted to delineate the extent of soil contamination. Based on the extent and type of contamination, the investigation was moved into the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) program, and the area was identified as Site 49 and grouped into OU 5.

The Base Realignment and Closure (BRAC) Cleanup Team (BCT) decided that soil samples with contaminant concentrations greater than three times the Florida Department of Environmental Protection (FDEP) residential Soil Cleanup Target Levels (SCTLs) or greater than the leachability SCTL criteria would be excavated. Excavation of these soils ensures protection of human health and groundwater. The concentration above which soil must be removed is identified as the Pickup Level Concentration. Therefore, the pickup levels for contaminants of concern at Site 49 are the lesser of the leachability SCTL criteria and three times the residential SCTL criteria.

An excavation was conducted at Site 49 by CH2M HILL in accordance with the Action Memorandum for Operable Unit 5, Site 49 - Former Skeet Range (TtNUS, May 2002) from August 8 to 29, 2002 and November 13, 2003 to December 31, 2003 with 6,945.57 tons of non-hazardous lead- and/or PAH-contaminated soil and 949.17 tons of hazardous lead-contaminated soil excavated, transported, and disposed. This soil removal was documented in the SRR submitted by CH2M HILL on May 10, 2004. FDEP provided comments on the SRR indicating a concurrence with the removal activities; however, the FDEP did not concur that the removal activities remediated the site to an extent that would be protective for potential future residential use based on the evaluation of the statistical evaluation.

Based on FDEP's comments to the SRR, an additional investigation was conducted by TtNUS from July 2004 through November 2004 in the area of the sample locations identified as a concern by FDEP. The additional sampling was appropriate because the removal action was conducted in approximately the same area as the samples of concern and site activities may have impacted these locations. The Removal Action Design Package for Operable Unit 5, Site 49 – Former Skeet Range, Revision 1 (TtNUS, May 2005), provided in Enclosure 2, documents the additional investigation and the proposed limits for an additional soil removal. The BCT agreed that the additional soil removal would achieve unrestricted reuse and No Further Action for soils at Site 49.

CH2M HILL was tasked by NAVFAC EFD SOUTH in Statement of Work No. 1132, dated August 17, 2005, to remove, transport, and dispose of approximately 170 tons of PAH-contaminated soil from two excavation areas at Site 49 in order to achieve unrestricted reuse of the site. The scope of work for the additional soil removal is outlined in the RAC 3 CTO No. 0005 Work Plan Addendum No. 15 (CH2M HILL, May 2002), the RAC 4 CTO No. 0038 Work Plan Addendum No. 15, Revision No. 01 (CH2M HILL, September 2005), and the Removal Action Design Package for Operable Unit 5, Site 49 – Former Skeet Range, Revision 1 (TtNUS, May 2005). The scope of work included:

- Site preparation
- Disposal characterization, excavation, transportation, and disposal of approximately 170 tons of PAH-contaminated soil from two excavation areas
- Backfill and site restoration of the two excavation areas
- Preparation and submittal of a Source Removal Report Addendum

Site preparation activities included updating the site gopher tortoise survey, requesting an excavation permit, and requesting TtNUS to locate and mark the horizontal excavation limits specified in the Removal Action Design Package for Operable Unit 5, Site 49 – Former Skeet Range, Revision 1 (TtNUS, May 2005). The site gopher tortoise survey was updated by CH2M HILL on October 17, 2005, and no gopher tortoise burrows were identified within the excavation limits. An excavation permit was requested from VT Griffin Global Services; however, based on no utilities being present within the two excavation areas or in the vicinity of the project site, VT Griffin Global Services determined a formal excavation permit was not necessary. Sunshine State One-call of Florida and VT Griffin Global Services conducted the utility locates. TtNUS located and marked the horizontal excavation limits using survey stakes and marking tape on October 18, 2005.

Soil disposal characterization samples were collected on October 18, 2005, and analyzed by PEL Laboratories, Inc. for toxicity characteristic leaching procedure (TCLP) volatiles by U.S. Environmental Protection Agency (EPA) SW-846 Method 1311/8260B, TCLP semi-volatiles by EPA SW-846 Method 1311/8270C, TCLP pesticides by SW-846 Method 1311/8081A, polychlorinated biphenyls by EPA SW-846 Method 8082, TCLP herbicides by EPA SW-846 Method 1311/8151A, TCLP metals by EPA SW-846 Method 1311/6010B/7470A, corrosivity by EPA SW-846 Method 9045D, and ignitability by EPA SW-846 Method 1030. Following receipt and review of the laboratory analytical report, the soil was characterized as non-hazardous. The soil disposal characterization laboratory analytical summary table and report are provided in Enclosure 5.

Personnel and equipment were mobilized to the site on November 17, 2005. Three trees located within the excavation areas were removed with a trackhoe excavator and stockpiled outside the excavation limits. Soil excavation was completed using a trackhoe excavator on November 17 and 18, 2005, to the specified horizontal excavation limits and a depth of 1 foot below land surface. The tree stumps were excavated and removed with the contaminated soil. Excavated soil and tree stumps were stockpiled in a containment area lined with 20-mil polyethylene sheeting. The two excavation areas were backfilled to grade on November 17, 18, and 22, 2005, with certified "clean" fill material supplied by Coxwell Contracting.

The laboratory analytical summary table and report certifying the material as "clean" is provided in Enclosure 5. The stockpiled excavated soil and tree stumps were loaded into tandem trailer trucks for transportation by Beaver Bulk Trucking and disposal at Chesser Island Landfill, Inc. on November 22, 2005. Based on the weight tickets, 192.42 tons of non-hazardous PAH-contaminated soil was excavated and transported for disposal. The Transportation and Disposal Log and copies of the waste disposal profile, waste manifests, weight tickets, and certificate of disposal are provided in Enclosure 4. The Transportation and Disposal Log includes the soil transportation and disposal summary for all of the completed soil removals.

Following transportation and disposal, disturbed areas were graded and re-seeded with 75 pounds of winter rye seed on November 22, 2005. Representative photographs of site activities are provided in Enclosure 3.

Based on the soil removal activities documented in this SRR Addendum, CH2M HILL completed the scope of work as outlined in the RAC 3 CTO No. 0005 Work Plan Addendum No. 15 (CH2M HILL, May 2002), the RAC 4 CTO No. 0038 Work Plan Addendum No. 15, Revision No. 01 (CH2M HILL, September 2005), and the Removal Action Design Package for Operable Unit 5, Site 49 – Former Skeet Range, Revision 1 (TtNUS, May 2005).

The Signature Page for approval of this SRR Addendum and the Certification of Technical Data Conformity are provided in Enclosure 1.

If you have any questions with regard to this submittal, please contact Michael Halil at (904) 777-4812 x. 233.

Respectfully,

Michael D. Halil

Michael D. Halil, P.E.
Project Manager

Enclosures (5)

cc: Ms. Dorothy Okamoto, NAVFAC EFD SOUTH
Mr. Larry Blackburn, EFA Southeast
Mr. David Grabka, FDEP
Mr. Doyle Brittain, USEPA
Mr. Mark Speranza, TtNUS
Project File No. 333944

Enclosure 1

Signature and Certification Pages

- Source Removal Report Addendum Signature Page
- Certification of Technical Data Conformity

Source Removal Report Addendum
Additional Soil Removal
Excavation of Lead and/or PAH-contaminated Soil from Operable Unit 5, Site 49, Former Skeet Range

Former Naval Air Station Cecil Field
Jacksonville, Florida

Contract No. N62467-01-D-0331
Contract Task Order No. 0038

Prepared by

115 Perimeter Center Place, N.E.
Suite 700
Atlanta, GA 30346

February 2006

Prepared/Approved By:

Michael Halil, Project Manager — February 3, 2006 Date

Approved By:

Scott Smith, Program Manager — February 3, 2006 Date

Client Acceptance:

U.S. Navy Responsible Authority — Date

CERTIFICATION OF TECHNICAL
DATA CONFORMITY (February 2006)

The contractor, CH2M HILL Constructors, Inc., hereby certifies that, to the best of its knowledge and belief, the technical data, delivered herewith under Contract No. N62467-01-D-0331, Contract Task Order No. 0038 is complete and accurate and complies with all requirements of this contract.

DATE: February 3, 2006

NAME AND TITLE OF CERTIFYING OFFICIAL: Michael D. Halil

Michael D. Halil, P.E.
Project Manager

Enclosure 2

Guidance Documentation

- Removal Action Design Package for Operable Unit 5, Site 49 – Former Skeet Range, Revision 1 (Tetra Tech NUS, Inc., May 2005)

REMOVAL ACTION DESIGN PACKAGE
FOR
OPERABLE UNIT 5, SITE 49 – FORMER SKEET RANGE

1.0 PURPOSE

The purpose of this removal action design package is to present the information necessary to support the decision to excavate additional soil and implement the removal action at Site 49 to achieve unrestricted reuse of the site.

2.0 SITE BACKGROUND

2.1 Site Description

OU 5, Site 49 consists of the former skeet range (Facility 804) located in the area known as the Main Base of NAS Cecil Field (Figure 2-1). The site is located at the western end of Lake Newman Street (formerly 6th Street), at the junction of Perimeter Road. The site is an unpaved and undeveloped area that has been cleared; it covers about 4.5 acres (Figure 2-2). The open area is surrounded by wooded areas, although the area to the northeast is cleared around Lake Newman. The wooded area south of the range (downrange) has sparse vegetation compared to the adjacent wooded areas. The area is undeveloped and the reuse plan identifies the area for Park/Buffer uses.

2.2 Site History

The area known as OU 5, Site 49 was used as a skeet shooting range from 1965 to 1998. Prior to 1965, historic aerial photographs show that the area was unused and undeveloped. Building 807 was constructed in 1971. The site was identified in the Environmental Baseline Survey (EBS) (ABB-ES, 1994) as Potential Source of Contamination (PSC) 49. TtNUS performed field investigations for the assessment of surface and subsurface soil and groundwater at PSC 49 from June 1999 to May 2001. Based on the extent and type of contamination, the investigation was moved into the CERCLA program, and the area was identified as Site 49 and grouped into Operable Unit 5.

2.3 Previous Sampling

Benzo(a)pyrene (BaP) and lead were detected at concentrations in excess of the Florida Department of Environmental Protection (FDEP) residential soil cleanup target levels (SCTLs). Also detected were a number of other carcinogenic polynuclear aromatic hydrocarbons (cPAHs). Since BaP accounted for

most of the cPAH exceedances, the Base Realignment and Closure (BRAC) Cleanup Team (BCT) decided that these cPAHs should be considered as a family of compounds and quantified in terms of BaP equivalents (BaPEqs). The BCT reviewed soil analytical results for Site 49, and a decision was made to delineate the extent of contaminated soil. The limits of contamination were determined and the results provided in the Engineering Evaluation / Cost Analysis (EE/CA) Report (TtNUS, 2002b).

2.4 Ninety-five Percent UCL Calculation

The site was divided into 1/2-acre exposure units in order to evaluate the site for residential use. A statistical evaluation was conducted to determine the areas requiring removal to achieve an exposure concentration less than their respective residential SCTLs. The exposure concentration is represented best by the 95% UCL of the mean for BaPEq and by the average concentration for lead.

The BCT decided that soil samples with contaminant concentrations greater than three times the FDEP residential SCTLs or greater than the leachability criteria would be excavated. Excavation of these soils ensures protection of human health and groundwater. Using the UCL method, some soil samples remaining on site after excavation have concentrations exceeding the residential SCTLs, but the exposure unit concentrations were determined to be less than the residential SCTL.

Using an iterative statistical process, the concentration above which soil must be removed to achieve a UCL for BaPEq or an average concentration for lead less than or equal to the FDEP residential SCTLs are determined and identified as the Pickup Level Concentrations. In theory, the sampling locations with the highest contaminant concentrations would be excavated and replaced with clean fill. The excavated sample points were assumed to be replaced with clean fill with a contaminant concentration equal to one-half the detection limit. If the UCL for BaPEq and the average for lead are less than the residential SCTLs, protection of human health is ensured.

For Site 49, the UCL for BaPEq and average for lead are less than the residential SCTLs when samples with concentrations greater than three times their respective SCTLs are removed. In addition, samples with concentrations greater than leachability criteria are to be excavated. Therefore, the pickup levels for contaminants of concern at Site 49 are the lesser of the leachability criteria and three times the residential criteria.

Contaminant	Leachability Criteria	Residential Criteria	Pickup Level
BaPEq	8,000 µg/kg	100 µg/kg	300 µg/kg
Lead	NC	400 mg/kg	1,200 mg/kg

NC = No criterion.

An excavation of areas exceeding the pickup level was conducted at Site 49 on August 8 to 29, 2002 and November 13 to December 31, 2003 by the Remedial Action Contractor (RAC). Information pertaining to the excavation was provided in the Source Removal Report (SRR) submitted by CH2MHill on May 10, 2004 (CH2MHill, 2004). FDEP provided comments on the SRR in a letter dated June 30, 2004 indicating that they concurred with the removal activities, however they could not concur that the removal activities remediated the site to an extent that would be protective for potential future residential use based on their evaluation of the 95% calculation.

3.0 ADDITIONAL INVESTIGATION

Based on FDEP's concerns regarding their subsequent review of the 95% calculation, it was proposed that an additional investigation would be collected in the area of the sample locations identified as a concern by FDEP. The additional sampling was appropriate because the removal action was conducted in approximately the same area as the samples of concern and site activities may have impacted these locations.

In July 2004, five sample locations were re-sampled to verify current conditions (CEF-P49-SS-108-01R, 203-01R, 204-01R, 206-01R, and 401-01R). As shown in Figure 3-1, sample CEF-P49-SS-108 is located within the UCL one-half acre cell identified as Cell 15; samples CEF-P49-SS-203 and CEF-P49-SS-204 are within Cell. 18; samples numbers CEF-P49-SS-206 and CEF-P49-SS-401 are located in Cell 19 and 20, respectively. The analytical results of this resampling effort are summarized in Table 3-1. The results indicated that the BaPEq concentration for Cell 15 (sample CEF-P49-SS-108 was reduced from 112 ug/kg to 9.5 ug/kg. Cell 18 identified a reduction at sample location CEF-P49-SS-203 from 195 ug/kg to 9 ug/kg BaPEq and an increase at sample location CEF-P49-SS-204 from 132 ppb to 392 ppb BaPEq. Cell 19 identified an increase in BaPEq from 187 ug/kg to 298 ug/kg at sample location CEF-P49-SS-206. Cell 20 identified a decrease in BaPEq concentrations at sample location CEF-P49-SS-401 from 170 ug/kg to 9.5 ug/kg. Based on these results, it was determined that no further investigation was required in Cells 15 and 20, however Cells 18 and 19 would need to be evaluated further.

It was agreed upon at the July 2004 BCT meeting (Minute No. 2109) that a composite sample in the location CEF-P49-SS-204 would be collected to further evaluate Cell 18 (Decision No. 660) and that FDEP would further review Cell 19 using the existing available data (Decision No. 659). Based on these decisions, a composite sample was collected in September 2004 from location CEF-P49-SS-204. This sample was comprised of five grab samples, one from the center (CEF-P49-SS-204) and one two feet in each direction north, east, south, and west. Each grab sample was collected 0-2 feet below ground surface. The result of the composite sample was presented at during the September 2004 BCT meeting (Minute Number 2125). The composite sample result was 515 ug/kg BaPEq. FDEP reported that further

evaluation of the data at Cell 19 and evaluation of various options did not reconcile the exceedance. It was agreed that additional sampling would be conducted in both Cells 18 and 19 (Decision No. 665).

In October 2004, fourteen additional samples were collected in Cells 18 and 19 to horizontally delineate the contaminated areas associated with original soil samples locations CEF-P49-SS-204 and CEF-P49-SS-206. CEF-P49-SS-801 thru CEF-P49-SS -804 were collected 5 feet in each direction from CEF-P49-SS-204 and CEF-P49-SS-805 thru CEF-P49-SS-808 were collected 5 feet in each direction from CEF-P49-SS-206. Samples CEF-P49-SS-809 thru CEF-P49-SS-811 were collected 15 feet in each direction (except to the south because of the previously excavated area) from CEF-P49-SS-204 and samples CEF-P49-SS-812 thru CEF-P49-SS-814 were collected 20 feet in each direction, except to the south, from CEF-P49-SS-206. As identified on the tag map (Figure 3-2), BaPEq concentrations above the pickup levels were observed in the samples collected 5 feet from the original sample locations. Several of the samples collected 20 feet from the original samples also had detections above the pickup level for BaPEq.

Based on the results obtained, it was anticipated that an additional soil removal action would need to be conducted. Therefore, during the November 2004 BCT meeting it was agreed that a vertical delineation sample would be collected from each area of anticipated excavation. The samples were to be collected at the sample location exhibiting the highest BaP concentrations (Minute Number 2149). In November 2004, two samples were collected from a depth of two feet below the ground surface. The first sample was collected from the sample location CEF-P49-SS-803 which had a BaP concentration of 930 ug/kg and the second sample was collected from the other proposed excavation area at sample location CEF-P49-SS-812 that had a BaP concentration of 18,500 ug/kg. Both vertical delineation samples were below the BaPEq pickup criteria. BaPEq sample concentrations for the vertical delineation samples CEF-P49-SS-803-02 and CEF-P49-SS-812-02 were 10.5 ug/kg and 9 ug/kg, respectively.

During the April 2005 BCT Meeting, FDEP reviewed the draft version of this report and indicated that the proposed excavation was acceptable; however, they had a concern regarding the evaluation of Cell 20. When Cell 20 was evaluated using the FLUCL program and a half-acre exposure unit, the 95% UCL was below the action level for BaP of 100 ug/kg and therefore no additional excavation was required. However, when Cell 20 was divided into quarter-acre units, the exposure concentrations within the exposure unit exceeded the action level. A review of the data indicated that Sample CEF-P49-SS-304 was below the pickup level when evaluated using a half-acre exposure unit; however, it was above the pickup level when evaluated using one-quarter acre exposure units. It was agreed at the BCT meeting (meeting minute number 2202, decision number 686) that this sample location would be re-sampled to verify the result. On May 3, 2005 sample CEF-P49-SS-304R-01 was collected at a depth of 0 to 1 foot bgs at the same location as CEF-P49-SS-304. The sample was analyzed for PAHs. The analytical

results obtained were all below the detection limits; therefore, no further action at this sample location is required.

4.0 DETERMINING THE LIMITS OF EXCAVATION

Using all the data collected to date, a proposed limits of excavation was established. Two of the samples used to delineate the limits of excavation, CEF-P49-SS-811 and CEF-P49-SS-809, exceeded the BaPEq FDEP residential criteria of 100 ug/kg. At this point a sufficient number of samples are located in the one-quarter acre cell comprising these two exceedences, therefore calculation of the 95% UCL using the University of Florida model (FL UCL) was deemed appropriate. The calculation was conducted assuming an excavation would be performed in the areas shown on Figure 3-2 and the sample results within the excavation would be replaced with clean backfill material having a conservative BaPEq concentration of 50 ug/kg. The FL UCL calculation identified a BaPEq of 78.58 ug/kg, as shown in Figure 3-3, which is below the FDEP residential criteria of 100 ug/kg. These results were presented at the February 2005 BCT meeting (minute no. 2184). It was agreed that the proposed excavation would achieve unrestricted reuse and No Further Action for soils would be required at Site 49. This was confirmed during the April 2005 BCT meeting.

5.0 GUIDANCE NOTES FOR EXCAVATION

This information is provided for general guidance purposes only. The approximate areas of excavation are shown on Figure 5-1. The actual extent of excavation will be defined by Tetra Tech NUS, Inc. (TtNUS) with white spray-down paint (or equivalent) prior to the execution of the removal action. The removal action and disposal of the soil will be conducted in a manner that complies with all state, local, and federal regulations, including established quality assurance/quality control (QA/QC) protocols provided in the U.S. EPA Region 4 Environmental Investigations Standard Operating Procedure and Quality Assurance Manual (EISOPQAM) (U.S. EPA, 1996).

This soil removal action is a continuation of the soil removal action conducted in accordance with the Action Memorandum submitted May 2002 (TtNUS, 2002a). TtNUS conducted a Gopher Tortoise Burrow Survey on April 29, 2002. The locations are identified on Figure 5-2. The survey identified that no burrows were located within the footprint of the excavation area; therefore, a permit to conduct the removal action was not required. An evaluation of the site will be conducted to confirm no Gopher Tortoise Burrows are within the limits of proposed additional excavation. If borrows are identified within a radius of 25 feet of the proposed excavation, then a formal survey will need to be conducted. No wetland areas were identified in the area of the proposed excavation.

The Remedial Action Contractor (RAC) will be responsible for the following:

- The schedule and methods of excavation.
- All aspects of work site health and safety.
- Identification and avoidance of all above-ground and underground utilities or other man-made structures.
- Waste characterization, transport (both on and off site), and disposal of all excavated soil.
- Notification of TtNUS and the Navy if observations indicate contaminants may extend beyond the planned lateral or vertical limits of the excavation.
- Except where necessary for avoidance of structures or utilities, or where otherwise specified by TtNUS, the depths of the excavation areas should extend to 1 foot below ground surface.
- Excavated soil shall be stockpiled on, and covered with, heavy-duty polyethylene sheeting at the site. This shall be done in a manner to avoid the potential for contaminating surrounding soil or surface water. Alternatively, soils may be stockpiled in properly covered roll-off containers.
- Stockpiling and combining of materials from different sites is permitted with prior approval of the BCT, if similar types and concentrations of contaminants are involved and were generated by similar processes.
- Materials used to backfill the excavations will be from an uncontaminated source and capable of supporting the same type of vegetation as the removed soil. The ground surface shall be restored to a similar or better condition than existed prior to excavation.

REFERENCES

ABB-ES (ABB Environmental Services, Inc.), 1994. Base Realignment and Closure Environmental Baseline Survey Report Naval Air Station (NAS) Cecil Field, November.

BRAC (Base Realignment and Closure) Cleanup Team (BCT), 2001. BCT Minutes No. 1494, Action No. 1196, Decision No. 540, Meeting of June 20.

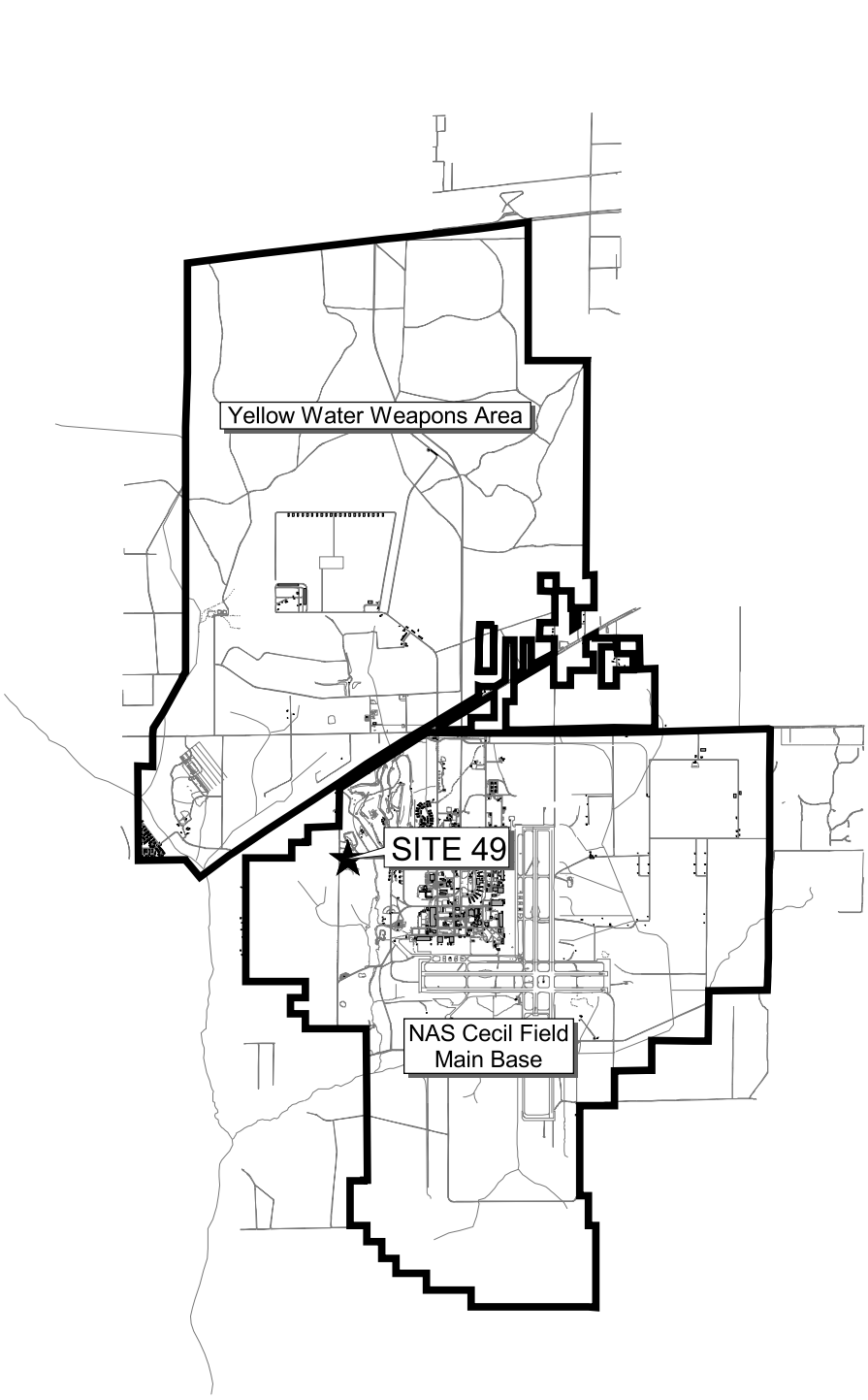
Florida Department of Environmental Protection (FDEP), 1999. Contaminant Target Levels Rule, Soil, Groundwater and Surface Water Target Cleanup Levels. Florida Administrative Code (F.A.C.) Chapter 62-777, August.

Harding Lawson Associates (HLA), 1998. Inorganic Background Data Set.

TtNUS (Tetra Tech NUS), 2002a. Action Memorandum for Operable Unit 5, Site 49, Former Skeet Range, Naval Air Station Cecil Field, Jacksonville, Florida. Prepared for SOUTHNAVFACENCOM, North Charleston, South Carolina, May.

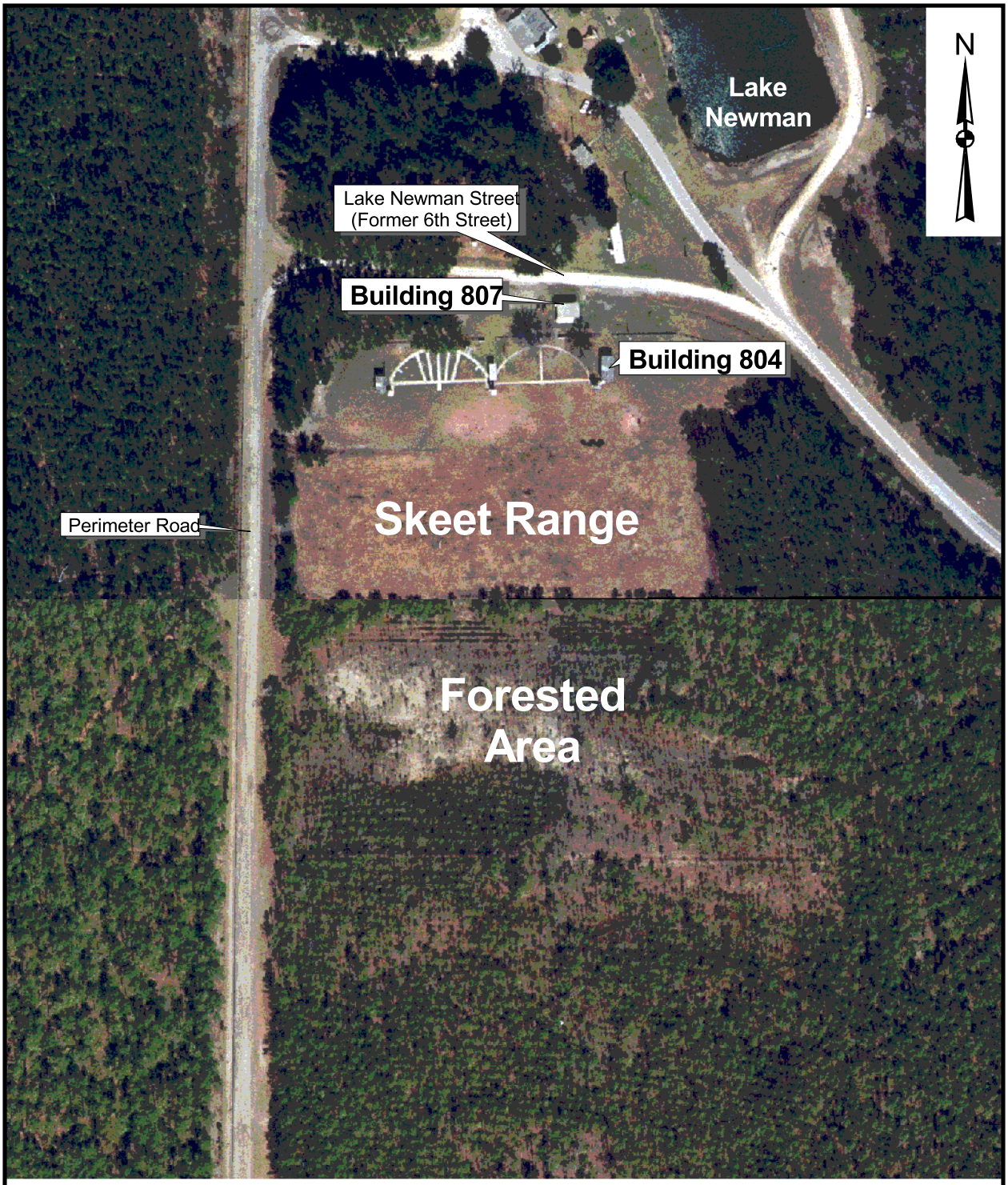
TtNUS (Tetra Tech NUS), 2002b. Engineering Evaluation/Cost Analysis for Operable Unit 5, Site 49, Former Skeet Range, Naval Air Station Cecil Field, Jacksonville, Florida. Prepared for SOUTHNAVFACENCOM, North Charleston, South Carolina, June.

U.S. EPA (U.S. Environmental Protection Agency), Region 4, 1996. Environmental Investigations Standard Operating Procedures and Quality Assurance Manual, Athens, Georgia.



DRAWN BY MJJ	DATE 26Jun01	GENERAL LOCATION MAP OU 5 - SITE 49, FORMER SKEET RANGE NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA	CONTRACT NUMBER 0039
CHECKED BY	DATE		APPROVED BY DATE
COST/SCHEDULE-AREA			APPROVED BY DATE
SCALE AS NOTED			DRAWING NO. FIGURE 2-1 / REV 0

P:\GIS\NAS_CecilField\Site-49_20050119.apr 12Mar05 MJJ Layout 2-1



200 0 200 Feet

Aerial Photo dated 1994

DRAWN BY MJJ	DATE 26Jun01	SITE LAYOUT MAP PRIOR TO REMOVAL ACTIONS OU 5 - SITE 49, FORMER SKEET RANGE NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA	CONTRACT NUMBER 0039
CHECKED BY	DATE		APPROVED BY DATE
COST/SCHEDULE-AREA			APPROVED BY DATE
SCALE AS NOTED			DRAWING NO. FIGURE 2-2 / REV 0

P:\GIS\NAS_CecilField\Site-49_20050119.apr 12Mar05 MJJ Layout 2-2

SUMMARY OF ANALYTICAL DATA FOR BaPEq CONCENTRATIONS
OPERABLE UNIT 5, SITE 49 - FORMER SKEET RANGE
NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA

location	FDEP SCTLs				203	203	204	204	204	205	206	206	206	206	206
sample	Residential Criteria	Industrial Criteria	Leachability Criteria	Minimum Criteria	203-01	203-01R	204-01	204-01R	204-02	205-01	206-01	206-01-AVG	206-01-D	206-01R	206-01R-AVG
depth					0-1	0-1	0-1	0-1	1-2	0-1	0-1	0-1	0-1	0-1	0-1
date					08/24/99	07/13/04	08/24/99	07/13/04	09/13/04	08/24/99	08/24/99	08/24/99	08/24/99	07/13/04	07/13/04
code					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	ORIG	AVG
PAHs (ug/kg)															
BaPEQ					194.20	9	132	392	516	57	341	187	38	262	298
BENZO(A)ANTHRACENE	1400	5000	3200	1400	99.4	89 U	73.2	260 J	201 J	11 U	65.8	59.1	52.4	136 J	160 J
BENZO(A)PYRENE	100	500	8000	100	146	18 U	108	322	409	44.9	222 J	116.8 J	11.6 J	212	243
BENZO(B)FLUORANTHENE	1400	4800	10000	1400	164	18 U	112	186	297	43.9	107	98.7	90.4	115	128.5
BENZO(K)FLUORANTHENE	15000	52000	25000	15000	71.7	18 U	47.4	119	56.2 J	22.7	57.3	55.1	52.9	90.8	117.4
CHRYSENE	140000	450000	77000	77000	147	89 U	108	298 J	236 J	11 U	11 U	45.95 J	86.4 J	195 J	206.5 J
DIBENZO(A,H)ANTHRACENE	100	500	30000	100	11 U	18 U	10 U	18 U	24.9 J	11 U	98.8 J	51.9	10 UJ	20 U	22 U
INDENO(1,2,3-CD)PYRENE	1500	5300	28000	1500	155	18 U	10 U	154	307	11 U	11 U	10.5 U	10 U	133	141

Notes:

FDEP Soil Cleanup Target Levels (SCTLs) (FDEP, 1999a).

Shaded indicates exceedance of minimum SCTL.

Bold indicates positive detection.

SUMMARY OF ANALYTICAL DATA FOR BaPEq CONCENTRATIONS
OPERABLE UNIT 5, SITE 49 - FORMER SKEET RANGE
NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA

location	FDEP SCTLs				206	207	304	304	304	304	712	801	802	803	803
sample	Residential Criteria	Industrial Criteria	Leachability Criteria	Minimum Criteria	206-01R-D	207-01	304-01	304-01	304-01	304-01R	712-01	801-01	802-01	803-01	803-02
depth					0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	1-2
date					07/13/04	08/24/99	10/11/99	10/11/99	10/11/99	03/05/05	05/24/01	09/30/04	09/30/04	09/30/04	11/30/04
code					DUP	NORMAL	NORMAL	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
PAHs (ug/kg)															
BaPEQ					334	86	179	124	69	18	34	493	1225	1256	10.5
BENZO(A)ANTHRACENE	1400	5000	3200	1400	184 J	28.8	67.8 J	44.25 J	20.7 J	92 U	340 U	239 J	625	593	110 U
BENZO(A)PYRENE	100	500	8000	100	274	71	151 J	101.4 J	51.8 J	18 U	68 U	367	920	930	21 U
BENZO(B)FLUORANTHENE	1400	4800	10000	1400	142	48.6	149 J	103.75 J	58.5 J	18 U	68 U	212	594	558	21 U
BENZO(K)FLUORANTHENE	15000	52000	25000	15000	144	22.9	101 J	69.9 J	38.8 J	18 U	68 U	154	371	318	21 U
CHRYSENE	140000	450000	77000	77000	218 J	49.6	99.9 J	65.75 J	31.6 J	92 U	340 U	290 J	688	696	110 U
DIBENZO(A,H)ANTHRACENE	100	500	30000	100	24 U	12 U	11 U	11 U	11 U	18 U	68 U	50.7 J	114	136	21 U
INDENO(1,2,3-CD)PYRENE	1500	5300	28000	1500	149	12 U	11 U	24.95 J	44.4 J	18 U	68 U	284	639	714	21 U

Notes:

FDEP Soil Cleanup Target Levels (SCTLs) (FDEP, 1999a).

Shaded indicates exceedance of minimum SCTL.

Bold indicates positive detection.

SUMMARY OF ANALYTICAL DATA FOR BaPEq CONCENTRATIONS
OPERABLE UNIT 5, SITE 49 - FORMER SKEET RANGE
NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA

location	FDEP SCTLs				804	805	806	807	808	809	809	809	810	811	812
sample	Residential Criteria	Industrial Criteria	Leachability Criteria	Minimum Criteria	804-01	805-01	806-01	807-01	808-01	809-01	809-01-AVG	809-01-D	810-01	811-01	812-01
depth					0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1
date					09/30/04	09/30/04	09/30/04	09/30/04	09/30/04	10/13/04	10/13/04	10/13/04	10/13/04	10/13/04	10/13/04
code					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
PAHs (ug/kg)															
BaPEQ					405	848	498	9421	745	123	101	78	11	120	25040
BENZO(A)ANTHRACENE	1400	5000	3200	1400	182 J	391 J	110 U	5270	251 J	120 U	115 U	110 U	100 U	97 U	10900
BENZO(A)PYRENE	100	500	8000	100	307	634	393	7060	579	90.3 J	71.65 J	53 J	21 U	89.6	18500
BENZO(B)FLUORANTHENE	1400	4800	10000	1400	192	381	228	3970	411	79.6 J	72.85 J	66.1 J	21 U	77.2	16200
BENZO(K)FLUORANTHENE	15000	52000	25000	15000	116	289	168	2920	271	27.1 J	19.05 J	22 U	21 U	25.5 J	7870
CHRYSENE	140000	450000	77000	77000	249 J	526	432	5360	595	120 U	115 U	110 U	100 U	97 U	11100
DIBENZO(A,H)ANTHRACENE	100	500	30000	100	35.6 J	91.2	45.8 J	935	57.4 J	23 U	22.5 U	22 U	21 U	19 U	2240
INDENO(1,2,3-CD)PYRENE	1500	5300	28000	1500	239	415	276	4680	388	69.7 J	40.35 J	22 U	21 U	74.8 J	15000

Notes:

FDEP Soil Cleanup Target Levels (SCTLs) (FDEP, 1999a).

Shaded indicates exceedance of minimum SCTL.

Bold indicates positive detection.

SUMMARY OF ANALYTICAL DATA FOR BaPEq CONCENTRATIONS
OPERABLE UNIT 5, SITE 49 - FORMER SKEET RANGE
NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA

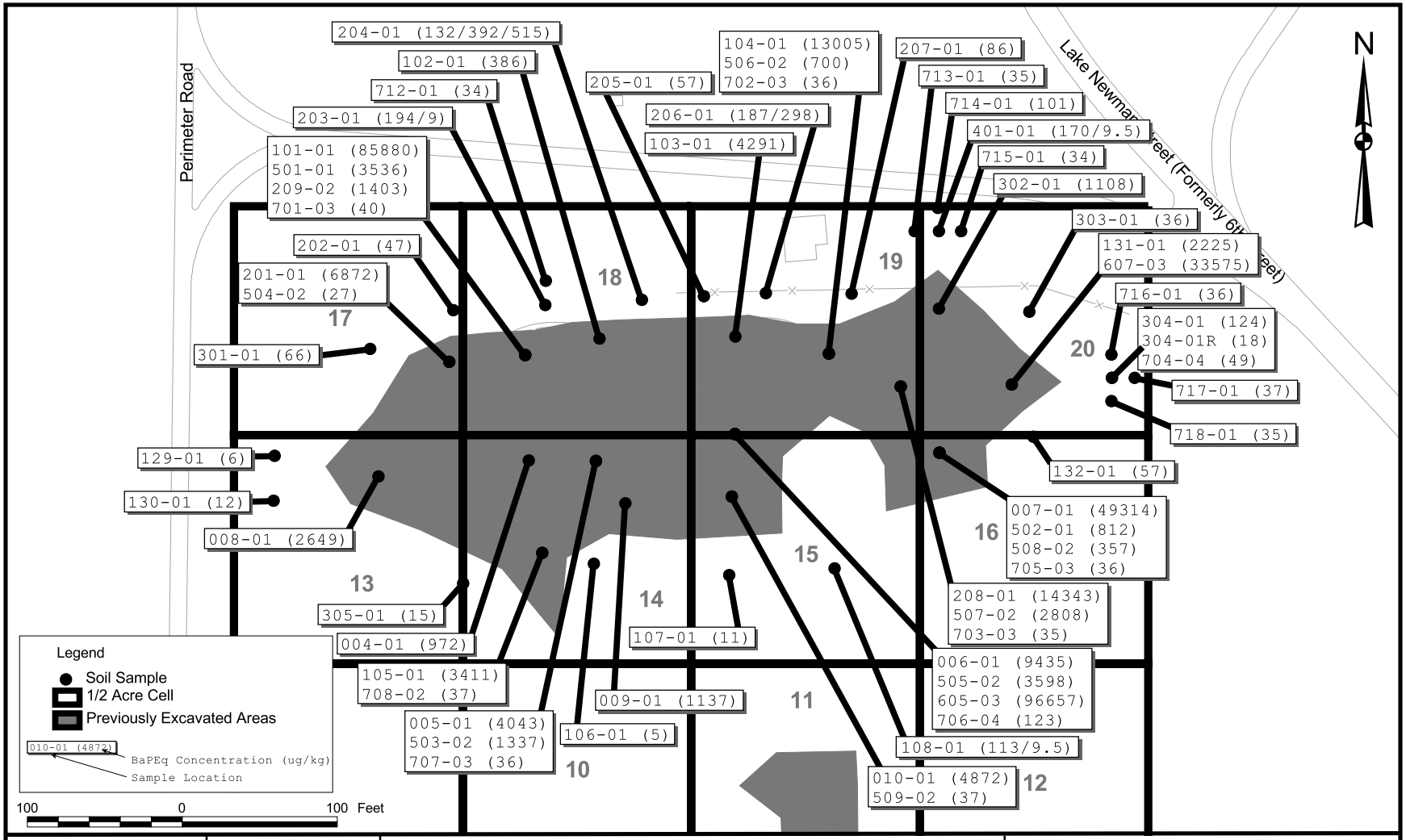
location	FDEP SCTLs				812	813	814
sample	Residential Criteria	Industrial Criteria	Leachability Criteria	Minimum Criteria	812-02	813-01	814-01
depth					1-2	0-1	0-1
date					11/30/04	10/13/04	10/13/04
code					NORMAL	NORMAL	NORMAL
PAHs (ug/kg)							
BaPEQ					9	10	1121
BENZO(A)ANTHRACENE	1400	5000	3200	1400	88 U	93 U	487
BENZO(A)PYRENE	100	500	8000	100	18 U	19 U	882
BENZO(B)FLUORANTHENE	1400	4800	10000	1400	18 U	19 U	630
BENZO(K)FLUORANTHENE	15000	52000	25000	15000	18 U	19 U	248
CHRYSENE	140000	450000	77000	77000	88 U	93 U	529
DIBENZO(A,H)ANTHRACENE	100	500	30000	100	18 U	19 U	64 J
INDENO(1,2,3-CD)PYRENE	1500	5300	28000	1500	18 U	19 U	599

Notes:

FDEP Soil Cleanup Target Levels (SCTLs) (FDEP, 1999a).

Shaded indicates exceedance of minimum SCTL.

Bold indicates positive detection.



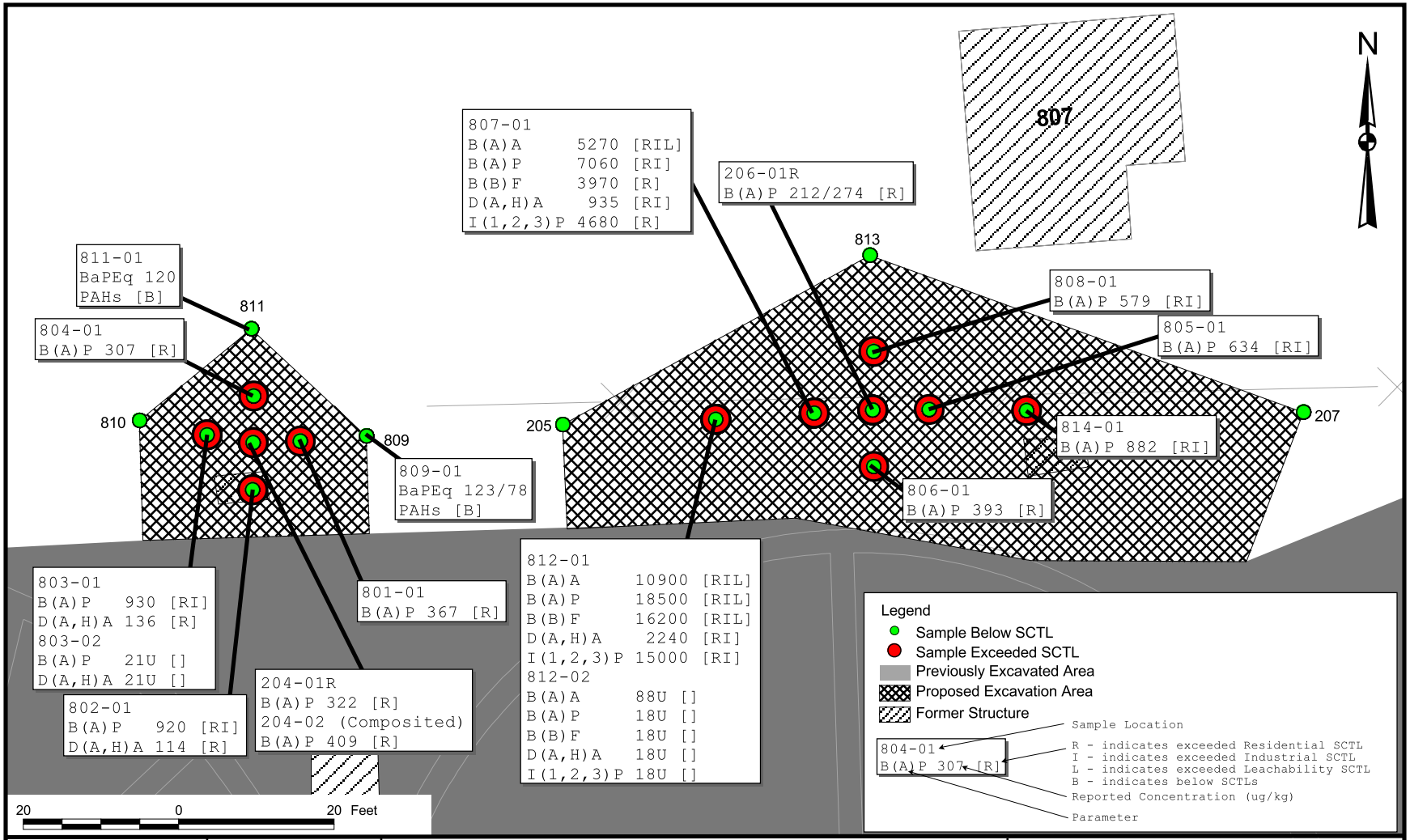
DRAWN BY	DATE
MJJ	28Jan05
CHECKED BY	DATE
COST/SCHEDULE-AREA	
SCALE	AS NOTED

NAVFAC

SUPPLEMENTAL SOIL SAMPLING RESULTS
OU 5 - SITE 49, FORMER SKEET RANGE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

CONTRACT NUMBER	
0039	
APPROVED BY	DATE
APPROVED BY	DATE
DRAWING NO. FIGURE 3-1	REV 0

P:\GIS\NAS_CecilField\Site-49_20050119.apr 09May05 MJJ Layout 3-1



DRAWN BY MJJ	DATE 28Jan05	SUPPLEMENTAL SOIL SAMPLING RESULTS OU 5 - SITE 49, FORMER SKEET RANGE NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA	CONTRACT NUMBER 0039
CHECKED BY	DATE		APPROVED BY DATE
COST/SCHEDULE-AREA			APPROVED BY DATE
SCALE AS NOTED			DRAWING NO. FIGURE 3-2 / REV 0

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BaPEq Concentrations (ug/kg)

Sample	Pre	Post	Qual
203-01R	9	***50***	U
204-01R	392	***50***	U
205-01	57	57	
206-01R-AVG	298	***50***	U
207-01	86	86	
712-01	34	***50***	U
801-01	493	***50***	U
802-01	1225	***50***	U
803-01	1256	***50***	U
804-01	405	***50***	U
805-01	848	***50***	U
806-01	498	***50***	U
807-01	9421	***50***	U
808-01	745	***50***	U
809-01-AVG	101	101	
810-01	11	11	
811-01	120	120	
812-01	25040	***50***	U
813-01	10	10	
814-01	1121	***50***	U

FDEP UCL Calculator Version 0.97 — 2/12/05

Note: Bounding estimates are worst case 95% UCLs based on the Chebyshev (mean, std) method.

Reported in ug/kg

Summary Statistics for		Summary Statistics for	
Number of Samples	20	Minimum	NA
Number of Censored Data	14	Maximum	NA
Minimum	50	Mean	NA
Maximum	120	Standard Deviation	NA
Mean	54.25	Variance	NA
Median	50		
Standard Deviation	24.71495	**Goodness-of-Fit Results**	
Variance		Distribution Recommended	NA
Coefficient of Variation	0.455575	Distribution Used	Neither
Skewness	0.967734		
		Estimates Assuming Lognormal Distribution	
95% UCL (Assuming Normal Data)		MLE Mean	NA
Student's-t	NA	MLE Standard Deviation	NA
		MLE Median	NA
95% UCL (Adjusted for Skewness)		MLE Coefficient of Variation	NA
Adjusted-CLT	NA		
Modified-t	NA	MVUE Estimate of Mean	NA
		MVUE Estimate of Std. Dev.	NA
95% Non-parametric UCL		MVUE Estimate of SE	NA
CLT	NA	MVUE Coefficient of Variation	NA
Jackknife	NA		
Standard Bootstrap	NA	**UCL Assuming Lognormal Distribution**	
Bootstrap-t	NA	95% H-UCL	NA
Chebyshev (Mean, Std)	NA	95% Chebyshev (MVUE) UCL	NA
		99% Chebyshev (MVUE) UCL	NA
95% Bounding Method UCL			
Bounding (Max)	78.58818	**FDEP Recommended UCL to Use:**	
Bounding (1/2 DL)	66.08067	78.58818	
		PROUCL 2.1 NA	

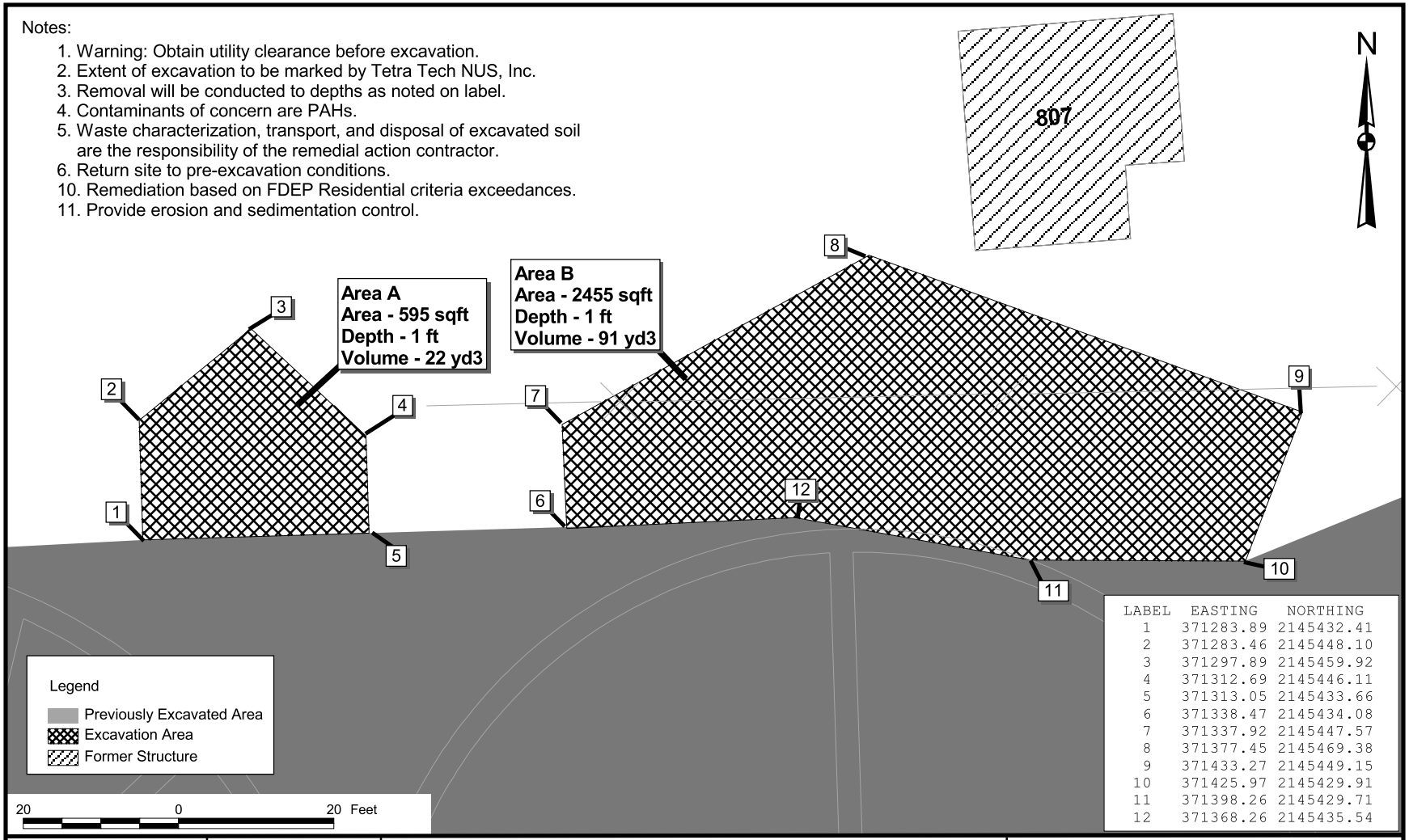
Note: These estimates are valid ONLY if samples are random and representative.

DRAWN BY	DATE			CONTRACT NUMBER 0039	
MJJ	12Feb05		FL UCL CALCULATION RESULTS	APPROVED BY	DATE
CHECKED BY	DATE		OU 5 - SITE 49, FORMER SKEET RANGE	APPROVED BY	DATE
COST/SCHEDULE-AREA			NAVAL AIR STATION CECIL FIELD		
SCALE AS NOTED		NAVFAC	JACKSONVILLE, FLORIDA	DRAWING NO. FIGURE 3-3	REV 0

P:\GIS\NAS_CecilField\Site-49_20050119.apr 12Feb05 MJJ Layout 3-3

Notes:

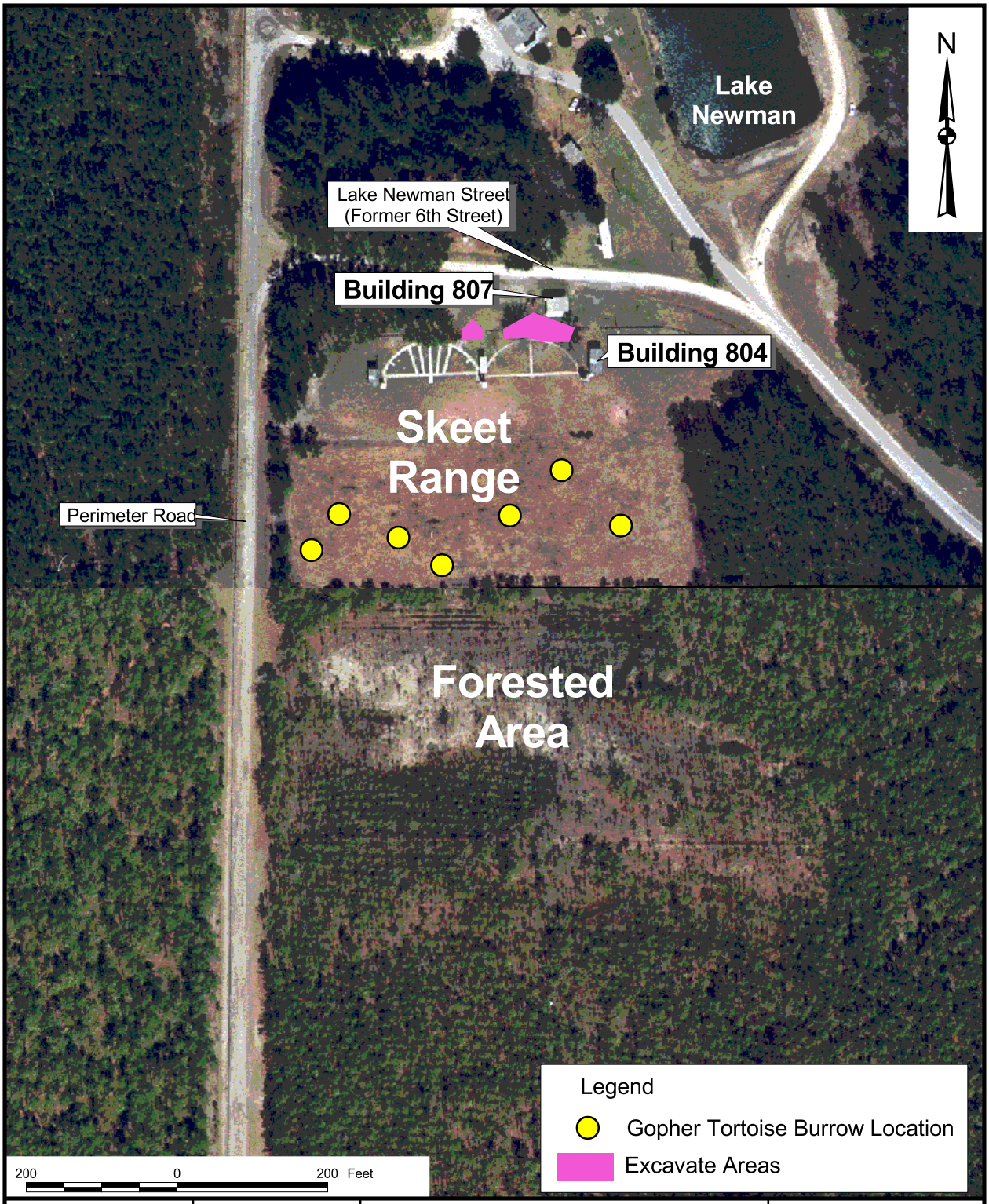
1. Warning: Obtain utility clearance before excavation.
2. Extent of excavation to be marked by Tetra Tech NUS, Inc.
3. Removal will be conducted to depths as noted on label.
4. Contaminants of concern are PAHs.
5. Waste characterization, transport, and disposal of excavated soil are the responsibility of the remedial action contractor.
6. Return site to pre-excavation conditions.
10. Remediation based on FDEP Residential criteria exceedances.
11. Provide erosion and sedimentation control.



LABEL	EASTING	NORTHING
1	371283.89	2145432.41
2	371283.46	2145448.10
3	371297.89	2145459.92
4	371312.69	2145446.11
5	371313.05	2145433.66
6	371338.47	2145434.08
7	371337.92	2145447.57
8	371377.45	2145469.38
9	371433.27	2145449.15
10	371425.97	2145429.91
11	371398.26	2145429.71
12	371368.26	2145435.54

DRAWN BY MJJ	DATE 28Jan05	EXCAVATION PLAN OU 5 - SITE 49, FORMER SKEET RANGE NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA	CONTRACT NUMBER 0039
CHECKED BY	DATE		APPROVED BY DATE
COST/SCHEDULE-AREA			APPROVED BY DATE
SCALE AS NOTED			DRAWING NO. FIGURE 5-1 / REV 0

P:\GIS\NAS_CecilField\Site-49_20050119.apr 12Mar05 MJJ Layout 5-1



DRAWN BY MJJ	DATE 26Jun01	GOPHER TORTOISE BURROWS OU 5 - SITE 49, FORMER SKEET RANGE NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA	CONTRACT NUMBER 0039
CHECKED BY	DATE		APPROVED BY DATE
COST/SCHEDULE-AREA			APPROVED BY DATE
SCALE AS NOTED			DRAWING NO. FIGURE 5-2 / REV 0

P:\GIS\NAS_CecilField\Site-49_20050119.apr 12Mar05 MJJ Layout 5-2

Enclosure 3

Site Photographs

Photograph 1: Tree Removal Prior to Excavation Viewed from the East

Photograph 2: Excavation at East Excavation Area Viewed from the West

Photograph 3: Excavation at East Excavation Area Viewed from the West

Photograph 4: Quality Control Depth Measurement at East Excavation Area

Photograph 5: Quality Control Depth Measurement at East Excavation Area

Photograph 6: Quality Control Depth Measurement at West Excavation Area

Photograph 7: East Excavation Prior to Backfilling Viewed from the North

Photograph 8: East Excavation Prior to Backfilling Viewed from the West

Photograph 9: West Excavation Prior to Backfilling Viewed from the South

Photograph 10: Backfill of East Excavation Viewed from the West

Photograph 11: Backfill of West Excavation Viewed from the East

Photograph 12: Backfill of West Excavation

Photograph 13: Final Grading of Excavation Areas Viewed from the East

Photograph 14: Restored Excavation Areas Viewed from the East

Enclosure 4

Waste Disposal Documentation

- Transportation and Disposal Log
- Non-Hazardous Waste Profile
- Certificate of Disposal
- Non-Hazardous Waste Manifests and Weight Tickets

Transportation and Disposal Log
Additional Soil Removal at Operable Unit 5, Site 49, Former Skeet Range
Former Naval Air Station Cecil Field, Jacksonville, Florida

CTO No	Project No	Project Name	Site Description	Container Type	Container Design	Waste Profile Sample No	Contractor	Transporter	Date Transported	Transporter EPA ID	Load ID	Disposal Facility	Disp Fac EPA ID	Media	Waste Type (Haz, Nonhaz, TSCA)	Waste Code/ Haz Waste No	Disposal Date	Manifest Number	Disposal Treatment Method (Enter disposal quantity under appropriate method)					Certif of Disp/ Destruc Date	Comments/ Notes	File Status (see note)
																			Incineration	Recycle	Landfill	Other	Unit			
0005	248799	NAS Cecil Field	Site 49	DT	743	WMCU6013	EQIS	Pritchert	6-Aug-02	SLD984178269	1	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	6-Aug-02	256511			23.65		TN	6-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	374	WMCU6013	EQIS	Pritchert	6-Aug-02	SLD984178269	2	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	6-Aug-02	256513			21.97		TN	6-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	1021	WMCU6013	EQIS	Pritchert	6-Aug-02	SLD984178269	3	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	6-Aug-02	256512			21.50		TN	6-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	706	WMCU6013	EQIS	Pritchert	6-Aug-02	SLD984178269	4	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	6-Aug-02	256514			21.14		TN	6-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	768	WMCU6013	EQIS	Pritchert	6-Aug-02	SLD984178269	5	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	6-Aug-02	256515			21.68		TN	6-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	787	WMCU6013	EQIS	Pritchert	6-Aug-02	SLD984178269	6	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	6-Aug-02	256516			22.93		TN	6-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	736	WMCU6013	EQIS	Pritchert	6-Aug-02	SLD984178269	7	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	6-Aug-02	256517			23.98		TN	6-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	383	WMCU6013	EQIS	Pritchert	6-Aug-02	SLD984178269	8	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	6-Aug-02	256518			20.59		TN	6-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	1021	WMCU6013	EQIS	Pritchert	6-Aug-02	SLD984178269	9	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	6-Aug-02	256519			23.00		TN	6-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	706	WMCU6013	EQIS	Pritchert	6-Aug-02	SLD984178269	10	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	6-Aug-02	256520			24.20		TN	6-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	1025	WMCU6013	EQIS	Pritchert	6-Aug-02	SLD984178269	11	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	6-Aug-02	256521			22.23		TN	6-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	768	WMCU6013	EQIS	Pritchert	6-Aug-02	SLD984178269	12	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	6-Aug-02	256522			27.21		TN	6-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	787	WMCU6013	EQIS	Pritchert	6-Aug-02	SLD984178269	13	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	6-Aug-02	256523			22.20		TN	6-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	1021	WMCU6013	EQIS	Pritchert	6-Aug-02	SLD984178269	14	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	6-Aug-02	256524			21.93		TN	6-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	706	WMCU6013	EQIS	Pritchert	6-Aug-02	SLD984178269	15	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	6-Aug-02	256525			24.54		TN	6-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	1025	WMCU6013	EQIS	Pritchert	6-Aug-02	SLD984178269	16	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	6-Aug-02	256526			22.27		TN	6-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	787	WMCU6013	EQIS	Pritchert	6-Aug-02	SLD984178269	17	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	6-Aug-02	256527			21.18		TN	6-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	702	WMCU6013	EQIS	Pritchert	7-Aug-02	SLD984178269	18	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	7-Aug-02	256528			20.09		TN	7-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	1021	WMCU6013	EQIS	Pritchert	7-Aug-02	SLD984178269	19	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	7-Aug-02	256529			21.99		TN	7-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	706	WMCU6013	EQIS	Pritchert	7-Aug-02	SLD984178269	20	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	7-Aug-02	256530			25.17		TN	7-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	712	WMCU6013	EQIS	Pritchert	7-Aug-02	SLD984178269	21	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	7-Aug-02	256531			23.83		TN	7-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	715	WMCU6013	EQIS	Pritchert	7-Aug-02	SLD984178269	22	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	7-Aug-02	256532			25.36		TN	7-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	785	WMCU6013	EQIS	Pritchert	7-Aug-02	SLD984178269	23	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	7-Aug-02	256533			22.86		TN	7-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	768	WMCU6013	EQIS	Pritchert	7-Aug-02	SLD984178269	24	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	7-Aug-02	256534			21.59		TN	7-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	420	WMCU6013	EQIS	Pritchert	7-Aug-02	SLD984178269	25	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	7-Aug-02	256535			21.39		TN	7-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	334	WMCU6013	EQIS	Pritchert	7-Aug-02	SLD984178269	26	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	7-Aug-02	256536			20.12		TN	7-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	716	WMCU6013	EQIS	Pritchert	7-Aug-02	SLD984178269	27	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	7-Aug-02	262463			21.99		TN	7-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	457	WMCU6013	EQIS	Pritchert	7-Aug-02	SLD984178269	28	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	7-Aug-02	262464			22.33		TN	7-Aug-02		Complete

Transportation and Disposal Log
Additional Soil Removal at Operable Unit 5, Site 49, Former Skeet Range
Former Naval Air Station Cecil Field, Jacksonville, Florida

CTO No	Project No	Project Name	Site Description	Container Type	Container Design	Waste Profile Sample No	Contractor	Transporter	Date Transported	Transporter EPA ID	Load ID	Disposal Facility	Disp Fac EPA ID	Media	Waste Type (Haz, Nonhaz, TSCA)	Waste Code/ Haz Waste No	Disposal Date	Manifest Number	Disposal Treatment Method (Enter disposal quantity under appropriate method)					Certif of Disp/ Destruc Date	Comments/ Notes	File Status (see note)
																			Incineration	Recycle	Landfill	Other	Unit			
0005	248799	NAS Cecil Field	Site 49	DT	787	WMCU6013	EQIS	Pritchert	7-Aug-02	SLD984178269	29	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	7-Aug-02	262465			20.70		TN	7-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	448	WMCU6013	EQIS	Pritchert	7-Aug-02	SLD984178269	30	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	7-Aug-02	262466			24.93		TN	7-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	702	WMCU6013	EQIS	Pritchert	7-Aug-02	SLD984178269	31	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	7-Aug-02	262467			24.67		TN	7-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	706	WMCU6013	EQIS	Pritchert	7-Aug-02	SLD984178269	32	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	7-Aug-02	262468			20.39		TN	7-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	718	WMCU6013	EQIS	Pritchert	7-Aug-02	SLD984178269	33	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	7-Aug-02	262469			19.95		TN	7-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	337	WMCU6013	EQIS	Pritchert	7-Aug-02	SLD984178269	34	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	7-Aug-02	262470			20.18		TN	7-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	1021	WMCU6013	EQIS	Pritchert	7-Aug-02	SLD984178269	35	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	7-Aug-02	262471			21.98		TN	7-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	770	WMCU6013	EQIS	Pritchert	7-Aug-02	SLD984178269	36	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	7-Aug-02	262472			22.16		TN	7-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	395	WMCU6013	EQIS	Pritchert	7-Aug-02	SLD984178269	37	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	7-Aug-02	262473			24.57		TN	7-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	712	WMCU6013	EQIS	Pritchert	7-Aug-02	SLD984178269	38	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	7-Aug-02	262474			22.56		TN	7-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	715	WMCU6013	EQIS	Pritchert	7-Aug-02	SLD984178269	39	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	7-Aug-02	262475			24.90		TN	7-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	785	WMCU6013	EQIS	Pritchert	7-Aug-02	SLD984178269	40	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	7-Aug-02	262476			25.36		TN	7-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	526	WMCU6013	EQIS	Pritchert	7-Aug-02	SLD984178269	41	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	7-Aug-02	262477			22.73		TN	7-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	768	WMCU6013	EQIS	Pritchert	7-Aug-02	SLD984178269	42	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	7-Aug-02	262478			22.02		TN	7-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	722	WMCU6013	EQIS	Pritchert	7-Aug-02	SLD984178269	43	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	7-Aug-02	262479			21.95		TN	7-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	420	WMCU6013	EQIS	Pritchert	7-Aug-02	SLD984178269	44	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	7-Aug-02	262480			24.78		TN	7-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	716	WMCU6013	EQIS	Pritchert	7-Aug-02	SLD984178269	45	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	7-Aug-02	262481			20.84		TN	7-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	702	WMCU6013	EQIS	Pritchert	7-Aug-02	SLD984178269	46	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	7-Aug-02	262482			24.32		TN	7-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	706	WMCU6013	EQIS	Pritchert	7-Aug-02	SLD984178269	47	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	7-Aug-02	262483			23.95		TN	7-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	457	WMCU6013	EQIS	Pritchert	7-Aug-02	SLD984178269	48	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	7-Aug-02	262484			22.96		TN	7-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	787	WMCU6013	EQIS	Pritchert	7-Aug-02	SLD984178269	49	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	7-Aug-02	262485			22.70		TN	7-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	383	WMCU6013	EQIS	Pritchert	7-Aug-02	SLD984178269	50	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	7-Aug-02	262486			22.27		TN	7-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	785	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	51	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262487			25.52		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	405	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	52	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262488			24.26		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	457	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	53	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262489			23.11		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	526	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	54	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262490			22.77		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	420	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	55	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262491			25.34		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	706	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	56	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262492			22.29		TN	8-Aug-02		Complete

Transportation and Disposal Log
Additional Soil Removal at Operable Unit 5, Site 49, Former Skeet Range
Former Naval Air Station Cecil Field, Jacksonville, Florida

CTO No	Project No	Project Name	Site Description	Container Type	Container Design	Waste Profile Sample No	Contractor	Transporter	Date Transported	Transporter EPA ID	Load ID	Disposal Facility	Disp Fac EPA ID	Media	Waste Type (Haz, Nonhaz, TSCA)	Waste Code/ Haz Waste No	Disposal Date	Manifest Number	Disposal Treatment Method (Enter disposal quantity under appropriate method)					Certif of Disp/ Destruc Date	Comments/ Notes	File Status (see note)
																			Incineration	Recycle	Landfill	Other	Unit			
0005	248799	NAS Cecil Field	Site 49	DT	716	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	57	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262493			22.05		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	718	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	58	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262494			20.60		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	319	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	59	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262495			22.20		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	777	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	60	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262496			22.00		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	395	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	61	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262497			23.69		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	724	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	62	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262498			24.41		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	712	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	63	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262499			26.99		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	768	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	64	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262500			26.32		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	448	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	65	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262501			22.94		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	785	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	66	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262502			25.02		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	43	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	67	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262503			23.32		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	405	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	68	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262504			21.11		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	457	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	69	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262505			24.12		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	736	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	70	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262506			23.83		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	363	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	71	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262507			22.89		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	526	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	72	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262508			22.29		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	62	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	73	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262509			24.51		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	706	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	74	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262510			24.38		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	716	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	75	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262511			21.91		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	420	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	76	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262512			24.09		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	787	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	77	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262513			22.87		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	715	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	78	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262514			25.32		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	718	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	79	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262515			23.47		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	319	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	80	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262516			23.57		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	777	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	81	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262517			26.26		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	724	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	82	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262518			22.57		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	712	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	83	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262519			24.82		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	448	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	84	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262520			24.39		TN	8-Aug-02		Complete

Transportation and Disposal Log
Additional Soil Removal at Operable Unit 5, Site 49, Former Skeet Range
Former Naval Air Station Cecil Field, Jacksonville, Florida

CTO No	Project No	Project Name	Site Description	Container Type	Container Design	Waste Profile Sample No	Contractor	Transporter	Date Transported	Transporter EPA ID	Load ID	Disposal Facility	Disp Fac EPA ID	Media	Waste Type (Haz, Nonhaz, TSCA)	Waste Code/ Haz Waste No	Disposal Date	Manifest Number	Disposal Treatment Method (Enter disposal quantity under appropriate method)					Certif of Disp/ Destruc Date	Comments/ Notes	File Status (see note)
																			Incineration	Recycle	Landfill	Other	Unit			
0005	248799	NAS Cecil Field	Site 49	DT	525	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	85	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262521			23.63		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	768	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	86	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262522			23.49		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	785	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	87	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262523			27.14		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	702	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	88	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262524			23.12		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	405	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	89	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262525			24.75		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	743	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	90	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262526			24.29		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	395	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	91	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262527			24.23		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	457	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	92	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262528			21.80		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	43	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	93	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262529			21.21		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	526	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	94	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262530			21.78		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	736	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	95	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262531			21.90		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	706	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	96	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262532			25.28		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	62	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	97	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262533			21.41		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	716	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	98	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262534			22.88		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	363	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	99	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262535			22.40		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	337	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	100	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262536			18.04		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	334	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	101	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262537			21.41		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	787	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	102	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262538			22.23		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	718	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	103	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262539			25.14		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	715	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	104	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262540			26.16		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	724	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	105	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262541			23.22		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	712	WMCU6013	EQIS	Pritchert	8-Aug-02	SLD984178269	106	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	8-Aug-02	262542			23.02		TN	8-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	374	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	107	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	12-Aug-02	262543			18.97		TN	12-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	318	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	108	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	12-Aug-02	262544			20.69		TN	12-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	526	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	109	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	12-Aug-02	262545			23.01		TN	12-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	743	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	110	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	12-Aug-02	262546			23.95		TN	12-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	383	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	111	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	12-Aug-02	262547			21.37		TN	12-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	706	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	112	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	12-Aug-02	262548			24.45		TN	12-Aug-02		Complete

Transportation and Disposal Log
Additional Soil Removal at Operable Unit 5, Site 49, Former Skeet Range
Former Naval Air Station Cecil Field, Jacksonville, Florida

CTO No	Project No	Project Name	Site Description	Container Type	Container Design	Waste Profile Sample No	Contractor	Transporter	Date Transported	Transporter EPA ID	Load ID	Disposal Facility	Disp Fac EPA ID	Media	Waste Type (Haz, Nonhaz, TSCA)	Waste Code/ Haz Waste No	Disposal Date	Manifest Number	Disposal Treatment Method (Enter disposal quantity under appropriate method)					Certif of Disp/ Destruc Date	Comments/ Notes	File Status (see note)
																			Incineration	Recycle	Landfill	Other	Unit			
0005	248799	NAS Cecil Field	Site 49	DT	1074	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	113	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	12-Aug-02	262549			23.65		TN	12-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	395	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	114	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	12-Aug-02	262550			24.80		TN	12-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	706	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	115	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	12-Aug-02	262551			22.28		TN	12-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	395	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	116	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	12-Aug-02	262552			24.56		TN	12-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	774	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	117	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	12-Aug-02	262557			24.45		TN	12-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	420	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	118	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	12-Aug-02	262558			23.70		TN	12-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	777	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	119	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	12-Aug-02	262559			23.70		TN	12-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	722	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	120	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	12-Aug-02	262560			26.65		TN	12-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	374	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	121	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	12-Aug-02	262561			26.93		TN	12-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	1025	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	122	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	12-Aug-02	262562			25.55		TN	12-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	318	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	123	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	12-Aug-02	262563			27.55		TN	12-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	417	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	124	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	12-Aug-02	262564			26.10		TN	12-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	512	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	125	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	12-Aug-02	262565			26.30		TN	12-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	471	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	126	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	12-Aug-02	262566			20.68		TN	12-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	526	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	127	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	12-Aug-02	262567			22.68		TN	12-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	743	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	128	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	12-Aug-02	262568			22.78		TN	12-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	706	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	129	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	12-Aug-02	262569			24.64		TN	12-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	716	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	130	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	12-Aug-02	262570			21.53		TN	12-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	774	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	131	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	12-Aug-02	262571			20.30		TN	12-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	420	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	132	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	12-Aug-02	262572			20.95		TN	12-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	395	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	133	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	12-Aug-02	262573			22.33		TN	12-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	722	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	134	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	12-Aug-02	262574			20.65		TN	12-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	777	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	135	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	12-Aug-02	262575			21.87		TN	12-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	785	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	136	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	14-Aug-02	262576			25.51		TN	14-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	770	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	137	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	14-Aug-02	262577			23.18		TN	14-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	743	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	138	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	14-Aug-02	262578			23.49		TN	14-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	396	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	139	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	14-Aug-02	262579			22.49		TN	14-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	712	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	140	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	14-Aug-02	262580			22.31		TN	14-Aug-02		Complete

Transportation and Disposal Log
Additional Soil Removal at Operable Unit 5, Site 49, Former Skeet Range
Former Naval Air Station Cecil Field, Jacksonville, Florida

CTO No	Project No	Project Name	Site Description	Container Type	Container Design	Waste Profile Sample No	Contractor	Transporter	Date Transported	Transporter EPA ID	Load ID	Disposal Facility	Disp Fac EPA ID	Media	Waste Type (Haz, Nonhaz, TSCA)	Waste Code/ Haz Waste No	Disposal Date	Manifest Number	Disposal Treatment Method (Enter disposal quantity under appropriate method)					Certif of Disp/ Destruc Date	Comments/ Notes	File Status (see note)
																			Incineration	Recycle	Landfill	Other	Unit			
0005	248799	NAS Cecil Field	Site 49	DT	448	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	141	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	14-Aug-02	262581			23.43		TN	14-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	706	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	142	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	14-Aug-02	262582			26.39		TN	14-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	768	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	143	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	14-Aug-02	262583			24.55		TN	14-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	769	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	144	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	14-Aug-02	262584			27.61		TN	14-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	774	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	145	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	14-Aug-02	262585			23.84		TN	14-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	785	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	146	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	14-Aug-02	262586			26.26		TN	14-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	1012	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	147	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	14-Aug-02	262587			22.62		TN	14-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	770	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	148	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	14-Aug-02	262588			24.85		TN	14-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	743	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	149	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	14-Aug-02	262589			23.95		TN	14-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	712	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	150	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	14-Aug-02	262590			22.90		TN	14-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	777	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	151	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	14-Aug-02	262591			22.18		TN	14-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	435	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	152	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	14-Aug-02	262592			22.54		TN	14-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	395	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	153	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	14-Aug-02	262593			23.32		TN	14-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	715	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	154	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	14-Aug-02	262594			26.21		TN	14-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	396	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	155	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	14-Aug-02	262595			21.33		TN	14-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	706	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	156	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	14-Aug-02	262596			23.58		TN	14-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	774	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	157	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	14-Aug-02	262597			23.24		TN	14-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	736	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	158	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	14-Aug-02	262598			23.61		TN	14-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	785	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	159	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	14-Aug-02	262599			25.32		TN	14-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	769	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	160	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	14-Aug-02	262600			23.28		TN	14-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	712	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	161	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	14-Aug-02	262601			22.18		TN	14-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	777	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	162	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	14-Aug-02	262602			22.14		TN	14-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	743	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	163	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	14-Aug-02	262603			23.34		TN	14-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	395	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	164	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	14-Aug-02	262604			22.43		TN	14-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	435	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	165	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	14-Aug-02	262605			23.02		TN	14-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	715	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	166	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	14-Aug-02	262606			26.40		TN	14-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	770	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	167	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	14-Aug-02	262607			23.36		TN	14-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	702	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	168	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	14-Aug-02	262608			23.30		TN	14-Aug-02		Complete

Transportation and Disposal Log
Additional Soil Removal at Operable Unit 5, Site 49, Former Skeet Range
Former Naval Air Station Cecil Field, Jacksonville, Florida

CTO No	Project No	Project Name	Site Description	Container Type	Container Design	Waste Profile Sample No	Contractor	Transporter	Date Transported	Transporter EPA ID	Load ID	Disposal Facility	Disp Fac EPA ID	Media	Waste Type (Haz, Nonhaz, TSCA)	Waste Code/ Haz Waste No	Disposal Date	Manifest Number	Disposal Treatment Method (Enter disposal quantity under appropriate method)					Certif of Disp/ Destruc Date	Comments/ Notes	File Status (see note)
																			Incineration	Recycle	Landfill	Other	Unit			
0005	248799	NAS Cecil Field	Site 49	DT	706	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	169	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	14-Aug-02	262609			26.50		TN	14-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	774	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	170	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	14-Aug-02	262610			24.06		TN	14-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	785	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	171	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	14-Aug-02	262611			25.78		TN	14-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	769	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	172	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	14-Aug-02	262612			23.65		TN	14-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	1012	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	173	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	15-Aug-02	262613			25.90		TN	15-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	718	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	174	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	15-Aug-02	262614			23.01		TN	15-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	373	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	175	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	15-Aug-02	262615			22.80		TN	15-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	736	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	176	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	15-Aug-02	262616			21.04		TN	15-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	774	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	177	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	15-Aug-02	262617			21.48		TN	15-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	769	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	178	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	15-Aug-02	262618			21.63		TN	15-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	785	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	179	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	15-Aug-02	262619			22.90		TN	15-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	318	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	180	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	15-Aug-02	262620			21.60		TN	15-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	768	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	181	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	15-Aug-02	262621			24.70		TN	15-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	395	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	182	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	15-Aug-02	262622			24.78		TN	15-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	1012	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	183	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	15-Aug-02	262623			23.75		TN	15-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	770	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	184	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	15-Aug-02	262624			23.70		TN	15-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	743	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	185	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	15-Aug-02	262625			26.26		TN	15-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	706	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	186	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	15-Aug-02	262626			25.57		TN	15-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	715	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	187	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	15-Aug-02	262627			24..33		TN	15-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	702	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	188	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	15-Aug-02	262628			22.77		TN	15-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	419	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	189	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	15-Aug-02	262629			23.32		TN	15-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	723	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	190	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	15-Aug-02	262630			21.38		TN	15-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	774	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	191	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	15-Aug-02	262631			22.04		TN	15-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	787	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	192	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	15-Aug-02	262632			23.55		TN	15-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	785	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	193	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	15-Aug-02	262633			24.71		TN	15-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	337	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	194	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	15-Aug-02	262634			23.88		TN	15-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	334	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	195	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	15-Aug-02	262635			22.20		TN	15-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	769	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	196	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	15-Aug-02	262636			22.40		TN	15-Aug-02		Complete

Transportation and Disposal Log
Additional Soil Removal at Operable Unit 5, Site 49, Former Skeet Range
Former Naval Air Station Cecil Field, Jacksonville, Florida

CTO No	Project No	Project Name	Site Description	Container Type	Container Design	Waste Profile Sample No	Contractor	Transporter	Date Transported	Transporter EPA ID	Load ID	Disposal Facility	Disp Fac EPA ID	Media	Waste Type (Haz, Nonhaz, TSCA)	Waste Code/ Haz Waste No	Disposal Date	Manifest Number	Disposal Treatment Method (Enter disposal quantity under appropriate method)					Certif of Disp/ Destruc Date	Comments/ Notes	File Status (see note)
																			Incineration	Recycle	Landfill	Other	Unit			
0005	248799	NAS Cecil Field	Site 49	DT	761	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	197	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	15-Aug-02	262637			23.19		TN	15-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	736	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	198	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	15-Aug-02	262638			23.39		TN	15-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	768	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	199	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	15-Aug-02	262639			23.28		TN	15-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	716	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	200	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	15-Aug-02	262640			23.41		TN	15-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	395	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	201	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	15-Aug-02	262641			22.18		TN	15-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	262642	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	202	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	19-Aug-02	262642			22.94		TN	19-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	743	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	203	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	19-Aug-02	262643			22.21		TN	19-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	526	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	204	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	19-Aug-02	262644			21.77		TN	19-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	396	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	205	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	19-Aug-02	262645			22.10		TN	19-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	774	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	206	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	19-Aug-02	262646			21.65		TN	19-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	716	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	207	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	19-Aug-02	262647			21.53		TN	19-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	702	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	208	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	19-Aug-02	262648			23.98		TN	19-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	712	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	209	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	19-Aug-02	262649			21.74		TN	19-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	435	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	210	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	19-Aug-02	262650			21.34		TN	19-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	1025	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	211	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	19-Aug-02	262651			20.39		TN	19-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	718	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	212	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	19-Aug-02	262652			22.56		TN	19-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	777	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	213	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	19-Aug-02	262653			24.33		TN	19-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	787	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	214	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	19-Aug-02	262654			22.29		TN	19-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	457	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	215	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	19-Aug-02	262655			23.72		TN	19-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	785	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	216	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	19-Aug-02	262656			21.60		TN	19-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	706	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	217	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	19-Aug-02	262657			23.20		TN	19-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	743	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	218	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	19-Aug-02	262658			24.23		TN	19-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	526	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	219	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	19-Aug-02	262659			20.93		TN	19-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	774	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	220	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	19-Aug-02	262660			17.66		TN	19-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	702	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	221	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	19-Aug-02	262661			21.29		TN	19-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	716	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	222	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	19-Aug-02	262662			19.57		TN	19-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	712	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	223	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	19-Aug-02	236820			17.48		TN	19-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	395	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	224	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	19-Aug-02	236821			21.40		TN	19-Aug-02		Complete

Transportation and Disposal Log
Additional Soil Removal at Operable Unit 5, Site 49, Former Skeet Range
Former Naval Air Station Cecil Field, Jacksonville, Florida

CTO No	Project No	Project Name	Site Description	Container Type	Container Design	Waste Profile Sample No	Contractor	Transporter	Date Transported	Transporter EPA ID	Load ID	Disposal Facility	Disp Fac EPA ID	Media	Waste Type (Haz, Nonhaz, TSCA)	Waste Code/ Haz Waste No	Disposal Date	Manifest Number	Disposal Treatment Method (Enter disposal quantity under appropriate method)					Certif of Disp/ Destruc Date	Comments/ Notes	File Status (see note)
																			Incineration	Recycle	Landfill	Other	Unit			
0005	248799	NAS Cecil Field	Site 49	DT	396	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	225	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	19-Aug-02	236822			22.61		TN	19-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	777	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	226	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	19-Aug-02	236830			24.60		TN	19-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	787	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	227	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	19-Aug-02	236831			23.35		TN	19-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	785	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	228	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	19-Aug-02	236832			19.09		TN	19-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	718	WMCU6013	EQIS	Pritchert	20-Aug-02	SLD984178269	229	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	20-Aug-02	236872			19.63		TN	20-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	775	WMCU6013	EQIS	Pritchert	20-Aug-02	SLD984178269	230	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	20-Aug-02	236873			19.71		TN	20-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	716	WMCU6013	EQIS	Pritchert	20-Aug-02	SLD984178269	231	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	20-Aug-02	236874			20.42		TN	20-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	712	WMCU6013	EQIS	Pritchert	20-Aug-02	SLD984178269	232	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	20-Aug-02	236875			22.94		TN	20-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	706	WMCU6013	EQIS	Pritchert	20-Aug-02	SLD984178269	233	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	20-Aug-02	236786			23.88		TN	20-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	774	WMCU6013	EQIS	Pritchert	20-Aug-02	SLD984178269	234	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	20-Aug-02	236877			20.78		TN	20-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	702	WMCU6013	EQIS	Pritchert	20-Aug-02	SLD984178269	235	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	20-Aug-02	236878			24.02		TN	20-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	1074	WMCU6013	EQIS	Pritchert	20-Aug-02	SLD984178269	236	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	20-Aug-02	236879			19.09		TN	20-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	712	WMCU6013	EQIS	Pritchert	26-Aug-02	SLD984178269	237	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	26-Aug-02	236869			20.58		TN	26-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	406	WMCU6013	EQIS	Pritchert	26-Aug-02	SLD984178269	238	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	26-Aug-02	236869			25.09		TN	26-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	706	WMCU6013	EQIS	Pritchert	26-Aug-02	SLD984178269	239	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	26-Aug-02	236870			25.60		TN	26-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	DT	702	WMCU6013	EQIS	Pritchert	26-Aug-02	SLD984178269	240	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	26-Aug-02	236871			23.60		TN	26-Aug-02		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	9-Dec-03	Not Applicable	1	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	9-Dec-03	258230			21.22		TN	9-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	9-Dec-03	Not Applicable	2	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	9-Dec-03	258231			27.60		TN	9-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	9-Dec-03	Not Applicable	3	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	9-Dec-03	258239			26.62		TN	9-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	9-Dec-03	Not Applicable	4	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	9-Dec-03	258232			22.58		TN	9-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	9-Dec-03	Not Applicable	5	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	9-Dec-03	258233			22.97		TN	9-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	9-Dec-03	Not Applicable	6	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	9-Dec-03	258234			25.16		TN	9-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	9-Dec-03	Not Applicable	7	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	9-Dec-03	258238			24.22		TN	9-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	9-Dec-03	Not Applicable	8	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	9-Dec-03	258237			31.60		TN	9-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	9-Dec-03	Not Applicable	9	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	9-Dec-03	258236			28.85		TN	9-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	9-Dec-03	Not Applicable	10	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	9-Dec-03	258074			20.37		TN	9-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	9-Dec-03	Not Applicable	11	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	9-Dec-03	258235			27.62		TN	9-Dec-03		Complete

Transportation and Disposal Log
Additional Soil Removal at Operable Unit 5, Site 49, Former Skeet Range
Former Naval Air Station Cecil Field, Jacksonville, Florida

CTO No	Project No	Project Name	Site Description	Container Type	Container Design	Waste Profile Sample No	Contractor	Transporter	Date Transported	Transporter EPA ID	Load ID	Disposal Facility	Disp Fac EPA ID	Media	Waste Type (Haz, Nonhaz, TSCA)	Waste Code/ Haz Waste No	Disposal Date	Manifest Number	Disposal Treatment Method (Enter disposal quantity under appropriate method)					Certif of Disp/ Destruc Date	Comments/ Notes	File Status (see note)
																			Incineration	Recycle	Landfill	Other	Unit			
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	9-Dec-03	Not Applicable	12	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	9-Dec-03	258069			23.42		TN	9-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	9-Dec-03	Not Applicable	13	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	9-Dec-03	258070			22.41		TN	9-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	9-Dec-03	Not Applicable	14	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	9-Dec-03	258071			22.47		TN	9-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	9-Dec-03	Not Applicable	15	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	9-Dec-03	258072			19.93		TN	9-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	9-Dec-03	Not Applicable	16	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	9-Dec-03	258073			19.12		TN	9-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	9-Dec-03	Not Applicable	17	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	9-Dec-03	258075			28.05		TN	9-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	9-Dec-03	Not Applicable	18	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	9-Dec-03	258076			31.51		TN	9-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	9-Dec-03	Not Applicable	19	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	9-Dec-03	258077			26.93		TN	9-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	9-Dec-03	Not Applicable	20	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	9-Dec-03	258078			24.58		TN	9-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	9-Dec-03	Not Applicable	21	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	9-Dec-03	258079			26.44		TN	9-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	9-Dec-03	Not Applicable	22	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	9-Dec-03	258080			24.59		TN	9-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	9-Dec-03	Not Applicable	23	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	9-Dec-03	258081			26.27		TN	9-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	9-Dec-03	Not Applicable	24	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	9-Dec-03	258082			26.83		TN	9-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	10-Dec-03	Not Applicable	25	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	10-Dec-03	258083			24.11		TN	10-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	10-Dec-03	Not Applicable	26	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	10-Dec-03	258084			27.13		TN	10-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	11-Dec-03	Not Applicable	38	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	10-Dec-03	258085			23.13		TN	11-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	10-Dec-03	Not Applicable	27	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	10-Dec-03	258086			26.93		TN	10-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	10-Dec-03	Not Applicable	28	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	10-Dec-03	258087			27.32		TN	10-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	10-Dec-03	Not Applicable	29	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	10-Dec-03	258088			23.58		TN	10-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	10-Dec-03	Not Applicable	30	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	10-Dec-03	258089			22.31		TN	10-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	10-Dec-03	Not Applicable	31	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	10-Dec-03	258090			23.75		TN	10-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	10-Dec-03	Not Applicable	32	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	10-Dec-03	258091			23.72		TN	10-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	10-Dec-03	Not Applicable	33	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	10-Dec-03	258092			21.04		TN	10-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	10-Dec-03	Not Applicable	34	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	10-Dec-03	258093			23.38		TN	10-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	10-Dec-03	Not Applicable	35	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	10-Dec-03	258094			24.00		TN	10-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	10-Dec-03	Not Applicable	36	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	11-Dec-03	258096			21.47		TN	11-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	11-Dec-03	Not Applicable	37	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	11-Dec-03	258095			21.92		TN	11-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	11-Dec-03	Not Applicable	39	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	11-Dec-03	258097			25.03		TN	11-Dec-03		Complete

Transportation and Disposal Log
Additional Soil Removal at Operable Unit 5, Site 49, Former Skeet Range
Former Naval Air Station Cecil Field, Jacksonville, Florida

CTO No	Project No	Project Name	Site Description	Container Type	Container Design	Waste Profile Sample No	Contractor	Transporter	Date Transported	Transporter EPA ID	Load ID	Disposal Facility	Disp Fac EPA ID	Media	Waste Type (Haz, Nonhaz, TSCA)	Waste Code/ Haz Waste No	Disposal Date	Manifest Number	Disposal Treatment Method (Enter disposal quantity under appropriate method)					Certif of Disp/ Destruc Date	Comments/ Notes	File Status (see note)
																			Incineration	Recycle	Landfill	Other	Unit			
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	11-Dec-03	Not Applicable	40	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	11-Dec-03	258098			21.84		TN	11-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	11-Dec-03	Not Applicable	41	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	11-Dec-03	258099			22.99		TN	11-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	11-Dec-03	Not Applicable	42	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	11-Dec-03	258100			25.00		TN	11-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	11-Dec-03	Not Applicable	43	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	11-Dec-03	258101			25.65		TN	11-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	11-Dec-03	Not Applicable	44	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	11-Dec-03	258102			23.54		TN	11-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	11-Dec-03	Not Applicable	45	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	11-Dec-03	258103			25.01		TN	11-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	11-Dec-03	Not Applicable	46	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	11-Dec-03	258104			24.34		TN	11-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	11-Dec-03	Not Applicable	47	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	11-Dec-03	258105			27.17		TN	11-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	11-Dec-03	Not Applicable	48	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	11-Dec-03	258106			25.78		TN	11-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	11-Dec-03	Not Applicable	49	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	11-Dec-03	258107			24.73		TN	11-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	11-Dec-03	Not Applicable	50	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	11-Dec-03	258108			25.51		TN	11-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	11-Dec-03	Not Applicable	51	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	11-Dec-03	258109			26.20		TN	11-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	11-Dec-03	Not Applicable	52	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	11-Dec-03	258110			28.65		TN	11-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	11-Dec-03	Not Applicable	53	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	11-Dec-03	258111			24.45		TN	11-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	11-Dec-03	Not Applicable	54	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	11-Dec-03	258112			24.55		TN	11-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	11-Dec-03	Not Applicable	55	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	11-Dec-03	258113			25.22		TN	11-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	12-Dec-03	Not Applicable	56	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	11-Dec-03	258114			22.46		TN	11-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	12-Dec-03	Not Applicable	57	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	11-Dec-03	258115			23.03		TN	11-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	CU 6013	EQIS	Prichett	12-Dec-03	Not Applicable	58	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	11-Dec-03	258116			24.78		TN	11-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	121103MIF	EQIS	ACTION	16-Dec-04	ALR000007237	59	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	18-Dec-03	9416593			24.15		TN	18-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	121103MIF	EQIS	ACTION	17-Dec-04	ALR000007237	60	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	18-Dec-03	9416599			24.72		TN	18-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	121103MIF	EQIS	ACTION	17-Dec-04	ALR000007237	61	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	19-Dec-03	9416579			24.11		TN	19-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	121103MIF	EQIS	ACTION	17-Dec-04	ALR000007237	62	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	19-Dec-03	9416577			23.53		TN	19-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	121103MIF	EQIS	ACTION	17-Dec-04	ALR000007237	63	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	19-Dec-03	9416578			21.58		TN	19-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	121103MIF	EQIS	ACTION	22-Dec-04	ALR000007237	64	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	23-Dec-03	9416582			22.37		TN	23-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	121103MIF	EQIS	ACTION	22-Dec-04	ALR000007237	65	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	23-Dec-03	9416584			23.43		TN	23-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	121103MIF	EQIS	ACTION	22-Dec-04	ALR000007237	66	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	23-Dec-03	9416585			23.79		TN	23-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	121103MIF	EQIS	ACTION	22-Dec-04	ALR000007237	67	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	23-Dec-03	9416586			22.92		TN	23-Dec-03		Complete

Transportation and Disposal Log
Additional Soil Removal at Operable Unit 5, Site 49, Former Skeet Range
Former Naval Air Station Cecil Field, Jacksonville, Florida

CTO No	Project No	Project Name	Site Description	Container Type	Container Design	Waste Profile Sample No	Contractor	Transporter	Date Transported	Transporter EPA ID	Load ID	Disposal Facility	Disp Fac EPA ID	Media	Waste Type (Haz, Nonhaz, TSCA)	Waste Code/ Haz Waste No	Disposal Date	Manifest Number	Disposal Treatment Method (Enter disposal quantity under appropriate method)					Certif of Disp/ Destruc Date	Comments/ Notes	File Status (see note)
																			Incineration	Recycle	Landfill	Other	Unit			
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	121103MIF	EQIS	ACTION	22-Dec-04	ALR000007237	68	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	23-Dec-03	9416580			23.99		TN	23-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	121103MIF	EQIS	ACTION	22-Dec-04	ALR000007237	69	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	23-Dec-03	9416581			23.68		TN	23-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	121103MIF	EQIS	ACTION	22-Dec-04	ALR000007237	70	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	23-Dec-03	9416564			23.59		TN	23-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	121103MIF	EQIS	ACTION	22-Dec-04	ALR000007237	71	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	23-Dec-03	9416587			23.32		TN	23-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	121103MIF	EQIS	ACTION	22-Dec-04	ALR000007237	72	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	24-Dec-03	9416583			23.08		TN	24-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	121103MIF	EQIS	ACTION	22-Dec-04	ALR000007237	73	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	24-Dec-03	9416565			24.22		TN	24-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	121103MIF	EQIS	ACTION	23-Dec-04	ALR000007237	74	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	24-Dec-03	9416568			21.13		TN	24-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	121103MIF	EQIS	ACTION	22-Dec-04	ALR000007237	75	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	29-Dec-03	9416588			24.18		TN	29-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	121103MIF	EQIS	ACTION	12-Jan-00	ALR000007237	76	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	29-Dec-03	9416589			23.73		TN	29-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	121103MIF	EQIS	ACTION	22-Jan-00	ALR000007237	77	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	29-Dec-03	9416566			23.21		TN	29-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	121103MIF	EQIS	ACTION	22-Dec-04	ALR000007237	78	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	30-Dec-03	9416567			23.99		TN	30-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	121103MIF	EQIS	ACTION	29-Dec-04	ALR000007237	79	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	30-Dec-03	9416570			16.32		TN	30-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	121103MIF	EQIS	ACTION	29-Dec-04	ALR000007237	80	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	30-Dec-03	9416569			19.47		TN	30-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	121103MIF	EQIS	ACTION	29-Dec-04	ALR000007237	81	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	18-Dec-03	9416598			25.00		TN	18-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	121103MIF	EQIS	ACTION	17-Dec-04	ALR000007237	82	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	18-Dec-03	9416597			24.02		TN	18-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	121103MIF	EQIS	ACTION	16-Dec-04	ALR000007237	83	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	18-Dec-03	9416595			22.81		TN	18-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	121103MIF	EQIS	ACTION	16-Dec-04	ALR000007237	84	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	18-Dec-03	9416576			22.90		TN	18-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	121103MIF	EQIS	ACTION	17-Dec-04	ALR000007237	85	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	18-Dec-03	9418557			23.53		TN	18-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	121103MIF	EQIS	ACTION	15-Dec-04	ALR000007237	86	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	16-Dec-03	9416600			23.18		TN	16-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	121103MIF	EQIS	ACTION	15-Dec-04	ALR000007237	87	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	16-Dec-03	9418556			22.45		TN	16-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	121103MIF	EQIS	ACTION	15-Dec-04	ALR000007237	88	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	16-Dec-03	9416602			23.51		TN	16-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	121103MIF	EQIS	ACTION	15-Dec-04	ALR000007237	89	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	17-Dec-03	9418559			22.61		TN	17-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	121103MIF	EQIS	ACTION	15-Dec-04	ALR000007237	90	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	17-Dec-03	9418558			23.82		TN	17-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	121103MIF	EQIS	ACTION	15-Dec-04	ALR000007237	91	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	17-Dec-03	9418560			24.08		TN	17-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	121103MIF	EQIS	ACTION	15-Dec-04	ALR000007237	92	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	17-Dec-03	9416601			22.46		TN	17-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	121103MIF	EQIS	ACTION	15-Dec-04	ALR000007237	93	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	17-Dec-03	9416603			22.92		TN	17-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	121103MIF	EQIS	ACTION	16-Dec-04	ALR000007237	94	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	17-Dec-03	9416596			24.38		TN	17-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	121103MIF	EQIS	ACTION	16-Dec-04	ALR000007237	95	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	17-Dec-03	9416592			23.52		TN	17-Dec-03		Complete

Transportation and Disposal Log
Additional Soil Removal at Operable Unit 5, Site 49, Former Skeet Range
Former Naval Air Station Cecil Field, Jacksonville, Florida

CTO No	Project No	Project Name	Site Description	Container Type	Container Design	Waste Profile Sample No	Contractor	Transporter	Date Transported	Transporter EPA ID	Load ID	Disposal Facility	Disp Fac EPA ID	Media	Waste Type (Haz, Nonhaz, TSCA)	Waste Code/ Haz Waste No	Disposal Date	Manifest Number	Disposal Treatment Method (Enter disposal quantity under appropriate method)					Certif of Disp/ Destruc Date	Comments/ Notes	File Status (see note)
																			Incineration	Recycle	Landfill	Other	Unit			
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	121103MIF	EQIS	ACTION	16-Dec-04	ALR000007237	96	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	17-Dec-03	9416594			23.51		TN	17-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	121103MIF	EQIS	ACTION	16-Dec-04	ALR000007237	97	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	17-Dec-03	9416590			23.47		TN	17-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	121103MIF	EQIS	ACTION	16-Dec-04	ALR000007237	98	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	17-Dec-03	9416591			23.75		TN	17-Dec-03		Complete
0005	248799	NAS Cecil Field	Site 49	TT	Not Applicable	121103MIF	EQIS	ACTION	16-Dec-04	ALR000007237	99	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	17-Dec-03	9418561			22.74		TN	17-Dec-03		Complete
0038	333944	NAS Cecil Field	Site 49	TT	Not Applicable	38-WC-S-1018-05	NEIE	Beaver Bulk	22-Nov-05	504452	1	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	22-Nov-05	15033			18.89		TN	22-Nov-05		Complete
0038	333944	NAS Cecil Field	Site 49	TT	Not Applicable	38-WC-S-1018-05	NEIE	Beaver Bulk	22-Nov-05	504452	2	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	22-Nov-05	15034			25.76		TN	22-Nov-05		Complete
0038	333944	NAS Cecil Field	Site 49	TT	Not Applicable	38-WC-S-1018-05	NEIE	Beaver Bulk	22-Nov-05	504452	3	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	22-Nov-05	15035			16.97		TN	22-Nov-05		Complete
0038	333944	NAS Cecil Field	Site 49	TT	Not Applicable	38-WC-S-1018-05	NEIE	Beaver Bulk	22-Nov-05	504452	4	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	22-Nov-05	15036			22.60		TN	22-Nov-05		Complete
0038	333944	NAS Cecil Field	Site 49	TT	Not Applicable	38-WC-S-1018-05	NEIE	Beaver Bulk	22-Nov-05	504452	5	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	22-Nov-05	15037			16.45		TN	22-Nov-05		Complete
0038	333944	NAS Cecil Field	Site 49	TT	Not Applicable	38-WC-S-1018-05	NEIE	Beaver Bulk	22-Nov-05	504452	6	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	22-Nov-05	15038			18.08		TN	22-Nov-05		Complete
0038	333944	NAS Cecil Field	Site 49	TT	Not Applicable	38-WC-S-1018-05	NEIE	Beaver Bulk	22-Nov-05	504452	7	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	22-Nov-05	15039			18.96		TN	22-Nov-05		Complete
0038	333944	NAS Cecil Field	Site 49	TT	Not Applicable	38-WC-S-1018-05	NEIE	Beaver Bulk	22-Nov-05	504452	8	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	22-Nov-05	15040			22.39		TN	22-Nov-05		Complete
0038	333944	NAS Cecil Field	Site 49	TT	Not Applicable	38-WC-S-1018-05	NEIE	Beaver Bulk	22-Nov-05	504452	9	WM-Chesser Island	024-0006D	Soil	Non-Haz	Not Applicable	22-Nov-05	15041			32.32		TN	22-Nov-05		Complete

Additional Soil Removal:	Total Loads:	9
	Total Non-Hazardous:	192.42 tons
	Total Hazardous:	0.00 tons
Total Soil Removal:	Total Loads:	348
	Total Non-Hazardous:	7137.99 tons
	Total Hazardous:	949.17 tons

WASTE MANAGEMENT

GENERATOR'S WASTE PROFILE SHEET

PLEASE PRINT IN INK OR TYPE

Service Agreement on File? [X] YES [ ] NO
[ ] Hazardous [X] Non-Hazardous [ ] TSCA

Profile Number:
Renewal Date: / /

A. Waste Generator Information

1. Generator Name: Naval Air Station (NAS) Jacksonville
2. SIC Code:
3. Facility Street Address: Public Works Center, P.O.B 30, Building 147
4. Phone: (904) 777-8260
5. Facility City: Jacksonville
6. State/Province: FL
7. Zip/Postal Code: 32212
8. Generator USEPA/Federal ID #: FL3170022474
9. County: Duval
10. State/Province ID#: N/A
11. Customer Name: N.E.I.E
12. Customer Phone: 508-962-2582
13. Customer Contact: Chris Coleson
14. Customer Fax: 908-964-3329
15. Billing Address 801 Broad St, Suite 203, Portsmouth, VA 23707 [ ] Same as above

C. Waste Stream Information

1. Description

a. Name of Waste: Contaminated Soil

b. Process Generating Waste: Removal of Contaminated Soil for Remediation
Former Firing Range

c. Color	d. Strong odor (describe):	e. Physical state @ 70 F	f. Layers	g. Free liquid range
Brown to Black	None	[X] Solid [ ] Liquid [ ] Gas [ ] Sludge [ ] Other	[X] Single Layer [ ] multi-layer	0 to 0 %
				h. pH: Range 5 to 6 %

i. Liquid Flash Point: [ ] <73 F [ ] 73-99 F [ ] 100-139 F [ ] 140-199 F [X] ≥ 200 F [ ] Not applicable

j. Chemical Composition (List all constituents [including halogenated organics, debris, and UHC's] present in any concentration and submit representative analysis):

Constituents	Concentration Range	Constituents	Concentration Range
Soil	90-100		
Entrained Moisture	1-10		
Debris	0-10		

TOTAL COMPOSITION MUST EQUAL OR EXCEED 100%

k. [ ] Oxidizer [ ] Pyrophoric [ ] Explosive [ ] Radioactive
[ ] Carcinogen [ ] Infectious [ ] Shock Sensitive [ ] Water Reactive

l. Does the waste represented by this profile contain any of the carcinogens which require OSHA notification? (list in Section B.1.j) [ ] YES [X] NO

m. Does the waste represented by this profile contain dioxins? (list in Section B.1.j) [ ] YES [X] NO

n. Does the waste represented by this profile contain asbestos? [ ] YES [X] NO
If yes [ ] friable [ ] non-friable

o. Does the waste represented by this profile contain benzene? [ ] YES [X] NO
If yes, concentration ____ ppm
Is the waste subject to the benzene waste operations NESHAP? [ ] YES [X] NO

p. Is the waste subject to RCRA Subpart CC controls? [ ] YES [X] NO
If no, does the waste meet the organic LDR Exemption? [ ] YES [X] NO
If no, does the waste contain <500 ppmw volatile organic (VO)? [X] YES [ ] NO
Volatile organic concentration <1 ppmw

q. Does the waste contain any Class I or Class II ozone-depleting substances? [ ] YES [X] NO

r. Does the waste contain debris? (list in Section B.1.j) [X] YES [ ] NO

s. Is the waste subject to controls as a Group 1 wastewater or residual under the HON? [ ] YES [X] NO
If yes, is it a Table 6 ____ or Table 9 ____ compound?

2. **Quantity of Waste**
Estimated Annual Volume 175-225 [X] Tons [ ] Yards [ ] Drums [ ] Other (specify) ____

3. **Shipping Information**
a. Packaging:
[X] Bulk Solid; Type/Size: DT / 20+tons/load
[ ] Drum; Type; Size: ____
[ ] Bulk Liquid; Type/Size: ____
[ ] Other: ____

Form WM-4168 (08/99)

WM WASTE MANAGEMENT

GENERATOR'S WASTE PROFILE SHEET

PLEASE PRINT IN INK OR TYPE

b. Shipping Frequency: Units 100-200 tons Per: ☐ Month ☐ Quarter ☐ Year ☐ One time ☒ Other daily

c. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If no, skip d, e, and f) ☐ YES ☒ NO

d. Reportable Quantity (lbs.; kgs.): _____ e. Hazard Class/ID #: _____

f. USDOT Shipping Name: Non Hazardous Per USDOT

g. Personal Protective Equipment Requirements: _____

h. Transporter/Transfer Station: _____

C. Generator's Certification (Please check appropriate responses, sign, and date below.)

1. Is this a USEPA hazardous waste (40 CFR Part 261)? If the answer is no, skip to 2 ☐ YES ☒ NO
   a. If yes, identify ALL USEPA listed and characteristic waste code numbers (D, F, K, P, U) _____
   b. If a characteristic hazardous waste, do underlying hazardous constituents (UHCs) apply? (If yes, list in Section B.1.j) _____ ☐ YES ☐ NO
   c. Does this waste contain debris? (If yes, list size and type in Chemical Composition - B.1.) _____ ☐ YES ☐ NO
2. Is this a state hazardous waste? ☐ YES ☒ NO
   Identify ALL state hazardous waste codes: _____
3. Is the waste from a CERCLA (40 CFR 300, Appendix B) or state mandated clean-up? ☐ YES ☒ NO
   If yes, attach Record of Decision (ROD), 104/106 or 122 order or court order that governs site clean-up activity. For state mandated clean-up provide relevant documentation.
4. Does the waste represented by this waste profile sheet contain radioactive material, or is disposal regulated by the Nuclear Regulatory Commission? ☐ YES ☒ NO
5. Does the waste represented by this waste profile sheet contain concentrations of Polychlorinated Biphenyls (PCBs) regulated by 40 CFR 761 ? (If yes, list in Chemical Composition - B.1.j) ☐ YES ☒ NO
   a. If yes, were the PCBs imported into the U.S.? ☐ YES ☐ NO
6. Do the waste profile sheet and all attachments contain true and accurate descriptions of the waste material, and has all relevant information within the possession of the Generator regarding known or suspected hazards pertaining to the waste been disclosed to the Contractor? ☒ YES ☐ NO
7. Will all changes which occur in the character of the waste be identified by the Generator and disclosed to the Contractor prior to providing the waste to the Contractor? ☒ YES ☐ NO

☒ Check here if a Certificate of Destruction or Disposal is required.

Any sample submitted is representative as defined in 40 CFR 261 - Appendix I or by using an equivalent method. I authorize WM to obtain a sample from any waste shipment for purposes of recertification. If this certification is made by a broker, the undersigned signs as authorized agent of the generator and has confirmed the information contained in this Profile Sheet from information provided by the generator and additional information as it has determined to be reasonably necessary. If approved for management, Contractor has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile.

Certification Signature: [signature] Title: Env. Protection Specialist

Name (Type or Print): John A Bennett Company Name: Public Works Ctr Date: 11-12-05

☒ Check if additional information is attached. Indicate the number of attached pages 11

D. WM Management's Decision — FOR WM USE ONLY

1. Management Method ☐ Landfill ☐ Non-hazardous Solidification ☐ Bioremediation ☐ Incineration ☐ Hazardous Stabilization ☐ Other (Specify) _____
2. Proposed Ultimate Management Facility: _____
3. Precautions, Special Handling Procedures, or Limitation on Approval: _____
4. Waste Form _____ 5. Source _____ 6. System Type _____

Special Waste Decision _____ ☐ Approved ☐ Disapproved

Salesperson's Signature: _____ Date: _____

Division Approval Signature (Optional): _____ Date: _____

Special Waste Approvals Person Signature: _____ Date: _____

Form WMI-4153 (03/99)

WASTE MANAGEMENT

CERTIFICATE OF DISPOSAL

This is to document the disposition of waste material(s) removed from your facility located at:

NAVAL AIR STATION (NAS) JACKSONVILLE, PUBLIC WORKS CTR, JAX, FL 32212

Charged to: **ENVIRONMENTAL REMEDIATION SERVICES (ERS)**

The waste material(s) consisted of

a) **CONTAMINATED SOIL (FORMER FIRING RANGE)**

A. **The waste material(s) were transported by:**

1st Company: BEAVER BULK TRUCKING CO.

The waste material(s) were disposed of at:

Facility: Chesser Island Road Landfill (Solid Waste Handling Permit #024-006 D (SL)
Address: P.O. Box 128, Highway 121 @ Chesser Island Road
Folkston, GA 31537-0128

B. **Disposal of your waste material(s) was accomplished by the following method(s):**
a) Subtitle-D Landfill, immediately compacted and covered in accordance with all permit regulations

C. **Date of Disposal:** NOVEMBER 22, 2005

D. **Tons Disposed:** 192.42 TONS)

Linda J. Hair, Office Manager

Chesser Island Road Landfill
P.O. Box 128, Hwy 121 @Chesser Island Rd
Folkston, Ga 31537
912/496-7918

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

2G
ate: 11/22/2005 (MANUAL) 4:54 PM
IME IN: 16:54 TIME OUT: 16:54 Ticket: 872147
54-547
MS VC7791 MAS/JAX
.O. BOX 30 BLDG 147 PUBLIC WORKS
ACKSONVILLE FL 32212-0030

river: DERRICK Truck: L198
anifest #: 15041

escription	Quantity
OIL	32.32 TON
ource: DUVAL Type: CSO	District: IN
VW 97840 TW 3320*	
ALL CHARGE	32.32 TNN
ource: DUVAL Type: SPW	District: IN
DST REIMBURSEMENT	
DBT FEE	
UPERFUND	
UEL SURCHARGE	

ignature

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. FL3170022474 | Manifest Document No. 1.3.0.4.1 | 2. Page 1 of 1

GENERATOR

3. Generator's Name and Mailing Address
Naval Air Station (NAS) Jacksonville
Public Works Center , P.O.B 30, Bldg 147, JAX., Florida 32212

TRK# 2198

4. Generator's Phone ( )

5. Transporter 1 Company Name: Beaver Bulk Inc | 6. US EPA ID Number | A. Transporter's Phone: (386) 362-1185

7. Transporter 2 Company Name | 8. US EPA ID Number | B. Transporter's Phone

9. Designated Facility Name and Site Address
Chester Island Landfill
Hwy 121 South
Folkston, Georgia 31537

10. US EPA ID Number: Not Required

C. Facility's Phone: 912/496-7918

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Non-Hazardous Contaminated Soil	001	DT	00025	T
b. N/A				
c. N/A				
d. N/A				

D. Additional Descriptions for Materials Listed Above: N/A

E. Handling Codes for Wastes Listed Above: N/A

15. Special Handling Instructions and Additional Information
Approval# WM-VB 7791
ERS Job # 5298
Project # 333944
Emergency Contact # (904) 791-9992
ERS Manifest # 52989

Copy For File
529891
By:

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: John Drummond | Signature | Month 12 Day 22 Year 05

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Gordon | Signature | Month 12 Day 22 Year 05

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month | Day | Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: P Barnard | Signature | Month 12 Day 22 Year 05

ORIGINAL - RETURN TO GENERATOR

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

EG
ate: 11/22/2005 (MANUAL) 4:17 PM
IME IN: 16:17 TIME OUT: 16:17 Ticket: 072146
34-547
RS VC7791 NAS/JAX
.O. BOX 30 BLDG 147 PUBLIC WORKS
ACKSONVILLE FL 32212-0030

river: VAN Truck: L256
anifest #: 15848

Description	Quantity
OIL	22.39 TON
ource: DUVAL Type: CSO	District: IN
W 74180 TW 2940#	
ULL CHARGE	22.39 TNN
ource: DUVAL Type: SPW	District: IN
DST REIMBURSEMENT	
DST FEE	
UPERFUND	
UEL SURCHARGE	

Signature

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. F L 3 1 7 0 0 2 2 4 7 4
Manifest Document No. 1 5 0 4 0
2. Page 1 of 1

3. Generator's Name and Mailing Address
Naval Air Station (NAS) Jacksonville
Public Works Center , P.O.B 30, Bldg 147, JAX., Florida 32212

TRK# L266

4. Generator's Phone ( )

5. Transporter 1 Company Name: Beaver Bulk Inc.
6. US EPA ID Number
A. Transporter's Phone: (386) 362-1185

7. Transporter 2 Company Name
8. US EPA ID Number
B. Transporter's Phone

9. Designated Facility Name and Site Address
Chesser Island Landfill
Hwy 121 South
Folkston, Georgia 31537
10. US EPA ID Number: Not Required
C. Facility's Phone: 912/496-7918

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Non-Hazardous Contaminated Soil	001	DT	00025	T X
b. N/A				
c. N/A				
d. N/A				

D. Additional Descriptions for Materials Listed Above: N/A

E. Handling Codes for Wastes Listed Above: N/A

15. Special Handling Instructions and Additional Information
Approval# WM-VB 7791
ERS Job # 5298
ERS Manifest # 52988
Project # 333944
Emergency Contact # (904) 791-9992.

Copy For File
52988
By:

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: John Brumnett
Signature
Month 1 Day 1 Year 05

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Van Gambell
Signature
Month 1 Day 22 Year 05

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: PARD
Signature
Month 1 Day 22 Year 05

GENERATOR
TRANSPORTER
FACILITY

ORIGINAL - RETURN TO GENERATOR

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

:2G
Date: 11/22/2005 (MANUAL) 3:25 PM
TIME IN: 15:25 TIME OUT: 15:25 Ticket: 072136
354-546
MS FIRST RESP VC7795 CSX
900 WATER STREET
JACKSONVILLE FL 32202-4423

ERS #547 72372

Driver: STEVEN Truck: 0608
Manifest #: 15839

Description	Quantity
OIL	18.96 TON

Source: DUVAL Type: CSO District: IN
VW 67820 TW 29900
OST REIMBURSEMENT
OST FEE
UPERFUND
JEL SURCHARGE

gnature

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. FL3170022474
Manifest Document No. 15083
2. Page 1 of 1

TRK # 0608

3. Generator's Name and Mailing Address
Naval Air Station (NAS) Jacksonville
Public Works Center , P.O.B 30, Bldg 147, JAX., Florida 32212

4. Generator's Phone ( )

5. Transporter 1 Company Name: Beaver Bulk Inc.
6. US EPA ID Number
A. Transporter's Phone: (386) 362-1185

7. Transporter 2 Company Name
8. US EPA ID Number
B. Transporter's Phone

9. Designated Facility Name and Site Address
Chesser Island Landfill
Hwy 121 South
Folkston, Georgia 31537
10. US EPA ID Number: Not Required
C. Facility's Phone: 912/496-7918

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Non-Hazardous Contaminated Soil	001	DT	00025	T X
b. N/A				
c. N/A				
d. N/A				

D. Additional Descriptions for Materials Listed Above: N/A

E. Handling Codes for Wastes Listed Above: N/A

15. Special Handling Instructions and Additional Information
Approval# WM-VB 7791
ERS Job # 5298
Project # 333944
Emergency Contact # (904) 791-9992
ERS Manifest # 52987
Copy For File
529871
By:

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: John Drummett
Signature
Month Day Year: 11 22 05

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Steven Jones
Signature
Month Day Year: 11 22 05

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: R Barnard
Signature
Month Day Year: 11 22 05

GENERATOR
TRANSPORTER
FACILITY

ORIGINAL - RETURN TO GENERATOR

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

:G
ke: 11/22/2005 (MANUAL) 3:18 PM
ME IN: 15:18 TIME OUT: 15:18 Ticket: 072134
4-547
S VC7791 NAS/JAX
. BOX 30 BLDG 147 PUBLIC WORKS
CKSONVILLE FL 32212-0030

:ver: BILLY Truck: L300
ifest #: 15038

cription	Quantity
L	18.00 TON
rce: DUVAL Type: CSD District: IN	
67750 TW 3150+	
L CHARGE	22.00 TNN
rce: DUVAL Type: SPW District: IN	
r REIMBURSEMENT	
r FEE	
ERFUND	
. SURCHARGE	

ature

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. F L 3 1 7 0 0 2 2 4 7 4 | Manifest Document No. 5 0 3 2 | 2. Page 1 of 1

3. Generator's Name and Mailing Address
Naval Air Station (NAS) Jacksonville
Public Works Center , P.O.B 30, Bldg 147, JAX., Florida 32212

TRK# L 300

4. Generator's Phone ( )

5. Transporter 1 Company Name: Beaver Bulk Inc | 6. US EPA ID Number | A. Transporter's Phone: (386) 362-1185

7. Transporter 2 Company Name | 8. US EPA ID Number | B. Transporter's Phone

9. Designated Facility Name and Site Address
Chesser Island Landfill
Hwy 121 South
Folkston, Georgia 31537

10. US EPA ID Number: Not Required | C. Facility's Phone: 912/496-7918

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Non-Hazardous Contaminated Soil	001	DT	00025	X
b. N/A				
c. N/A				
d. N/A				

D. Additional Descriptions for Materials Listed Above: N/A

E. Handling Codes for Wastes Listed Above: N/A

15. Special Handling Instructions and Additional Information
Approval# WM-VB 7791
ERS Job # 5298
Project# 333944
Emergency Contact# (904) 791-9992
ERS Manifest# 52986 Copy For File
529801
By:

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: John Brummett | Signature | Month 11 Day 22 Year 05

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Billy R Williams | Signature | Month 11 Day 22 Year 05

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month | Day | Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Bernard | Signature | Month 11 Day 22 Year 05

GENERATOR

TRANSPORTER

FACILITY

ORIGINAL - RETURN TO GENERATOR

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

2G
ate: 11/22/2005 (MANUAL) 3:15 PM
IME IN: 15:15 TIME OUT: 15:15 Ticket: 072133
54-347
AS VC7791 NAS/JAX
.O. BOX 30 BLDG 147 PUBLIC WORKS
ACKSONVILLE FL 32212-0030

river: RICHARD Truck: 0006
anifest #: 15037

escription	Quantity
OIL	16.45 TON
ource: DUVAL Type: CSO	District: IN
N 53600 TN 3070#	
ML CHARGE	22.00 TNN
ource: DUVAL Type: SPW	District: IN
EST REIMBURSEMENT	
EST FEE	
EFUND	
EL SURCHARGE	

gnature

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. FL3170022474
Manifest Document No. 1603
2. Page 1 of 1

3. Generator's Name and Mailing Address
Naval Air Station (NAS) Jacksonville
Public Works Center , P.O.B 30, Bldg 147, JAX., Florida 32212

TRK# 0006

4. Generator's Phone ( )

5. Transporter 1 Company Name: Beaver Bulk Inc.
6. US EPA ID Number
A. Transporter's Phone: (386) 362-1185

7. Transporter 2 Company Name
8. US EPA ID Number
B. Transporter's Phone

9. Designated Facility Name and Site Address
Chesser Island Landfill
Hwy 121 South
Folkston, Georgia 31537
10. US EPA ID Number: Not Required
C. Facility's Phone: 912/496-7918

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Non-Hazardous Contaminated Soil	001	DT	00020	T
b. N/A				
c. N/A				
d. N/A				

D. Additional Descriptions for Materials Listed Above: N/A

E. Handling Codes for Wastes Listed Above: N/A

15. Special Handling Instructions and Additional Information
Approval# WM-VB 7791
ERS Job # 5298
ERS Manifest# 52985
Project# 333 944
Emergency Contact# (904) 791-9992

Copy For File
529801
By:

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: John Bommett
Signature
Month Day Year: 12/22/05

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Richard Ezell
Signature
Month Day Year: 12/22/05

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: P Barnard
Signature
Month Day Year: 1/1/2006

GENERATOR
TRANSPORTER
FACILITY

ORIGINAL - RETURN TO GENERATOR

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

<28
Date: 11/22/2005 (MANUAL) 1:36 PM
TIME IN: 13:35 TIME OUT: 13:35 Ticket: 072182
854-547
ERG VC7791 MAG/JAX
P.O. BOX 30 BLDG 147 PUBLIC WORKS
JACKSONVILLE FL 32212-0030

Driver: DERRICK Truck: L198
Manifest #: 15036

Description	Quantity
SOIL	22.50 TON
Source: DUVAL Type: CSQ	District: IN
SVW 78400 TW 3320#	
HAUL CHARGE	22.50 TNN
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
COST FEE	
SUPERFUND	
UEL SURCHARGE	

Signature

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. FL3170022474
Manifest Document No. 15036
2. Page 1 of 1

3. Generator's Name and Mailing Address
Naval Air Station (NAS) Jacksonville
Public Works Center , P.O.B 30, Bldg 147, JAX., Florida 32212

TRK# 6198

4. Generator's Phone ( )

5. Transporter 1 Company Name: Beaver Bulk Inc.
6. US EPA ID Number
A. Transporter's Phone: (386) 362-1185

7. Transporter 2 Company Name
8. US EPA ID Number
B. Transporter's Phone

9. Designated Facility Name and Site Address
Chester Island Landfill
Hwy 121 South
Folkston, Georgia 31537
10. US EPA ID Number: Not Required
C. Facility's Phone: 912/496-7918

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Non-Hazardous Contaminated Soil	001	DT	00025	T
b. N/A				
c. N/A				
d. N/A				

D. Additional Descriptions for Materials Listed Above: N/A

E. Handling Codes for Wastes Listed Above: N/A

15. Special Handling Instructions and Additional Information
Approval# WM-VB 7791
ERS Job # 5298
Project # 333944
Emergency Contact # (904) 791-9992
ERS Manifest # 52984 Copy For File
529881
By:

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: John Brummett
Signature
Month Day Year: 11/22/05

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year: 11/22/05

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: R Barnard
Signature
Month Day Year: 11/22/05

GENERATOR
TRANSPORTER
FACILITY

ORIGINAL - RETURN TO GENERATOR

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

x2G
Date: 11/22/2005 (MANUAL) 12:46 PM
TIME IN: 12:46 TIME OUT: 12:46 Ticket: 072096
854-547
ERS 9C7791 NAS/JAX
P.O. BOX 30 BLDG 147 PUBLIC WORKS
JACKSONVILLE FL 32212-0030

Driver: BENNIE Truck: 0000
Manifest #: 15035

Description	Quantity
SOIL	16.97 TON
Source: DUVAL Type: CSD	District: IN
SVW 62640 TW 28700	
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	
FUEL SURCHARGE	

Signature

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. F L 3 1 7 0 0 2 2 4 7 4
Manifest Document No. 2035
2. Page 1 of 1

3. Generator's Name and Mailing Address
Naval Air Station (NAS) Jacksonville
Public Works Center , P.O.B 30, Bldg 147, JAX., Florida 32212

TRK# 0008

4. Generator's Phone ( )

5. Transporter 1 Company Name: Beaver Bulk Inc.
6. US EPA ID Number
A. Transporter's Phone: (586) 362-1185

7. Transporter 2 Company Name
8. US EPA ID Number
B. Transporter's Phone

9. Designated Facility Name and Site Address
Chesser Island Landfill
Hwy 121 South
Folkston, Georgia 31537
10. US EPA ID Number: Not Required
C. Facility's Phone: 912/496-7918

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Non-Hazardous Contaminated Soil	001	DT	00025	T
b. N/A				
c. N/A				
d. N/A				

D. Additional Descriptions for Materials Listed Above: N/A

E. Handling Codes for Wastes Listed Above: N/A

15. Special Handling Instructions and Additional Information
Approval# WM-VB 7791
ERS Job # 5298
ERS Manifest# 52983
Project# 333944
Emergency Contact# (904) 791-9992

Copy For File
529891
By:

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
John Brummett		11	20	05

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Gennie Luck	Gennie Luck	11	22	05

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
R Barnard		11	22	05

GENERATOR
TRANSPORTER
FACILITY

ORIGINAL - RETURN TO GENERATOR

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

:2G
Date: 11/22/2005 (MANUAL) 12:40 PM
TIME IN: 12:39 TIME OUT: 12:39 Ticket: 072095
854-547
ERG VC7791 NMB/JAX
P.O. BOX 30 BLDG 147 PUBLIC WORKS
JACKSONVILLE FL 32212-0030

Driver: VAN Truck: L256
Manifest #: 15834

Description	Quantity
SOIL	25.76 TON
Source: DUVAL Type: CSO	District: IN
BVW 00920 TM 2940#	
HAUL CHARGE	25.76 TNN
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	
FUEL SURCHARGE	

Signature

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. F I 3 1 7 0 0 2 2 4 7 4
Manifest Document No. 1 5 8 3 4
2. Page 1 of 1

TRK # L266

3. Generator's Name and Mailing Address
Naval Air Station (NAS) Jacksonville
Public Works Center , P.O.B 30, Bldg 147, JAX., Florida 32212

4. Generator's Phone ( )

5. Transporter 1 Company Name: Beaver Bulk Inc.
6. US EPA ID Number:
A. Transporter's Phone: (386) 362-1185

7. Transporter 2 Company Name:
8. US EPA ID Number:
B. Transporter's Phone:

9. Designated Facility Name and Site Address
Chesser Island Landfill
Hwy 121 South
Folkston, Georgia 31537
10. US EPA ID Number: Not Required
C. Facility's Phone: 912/496-7918

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Non-Hazardous Contaminated Soil	001	DT	00025	T
b. N/A				
c. N/A				
d. N/A				

D. Additional Descriptions for Materials Listed Above: N/A

E. Handling Codes for Wastes Listed Above: N/A

15. Special Handling Instructions and Additional Information
Approval# WM-VB 7791 ERS Manifest # 52982 Copy For File
ERS Job # 5298
Project # 333 944
Emergency Contact # (904) 791-9992
52980
BY

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
John Brummett		11	22	05

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Van Gaylott		11	22	05

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
R Barnard		11	22	05

GENERATOR TRANSPORTER FACILITY

ORIGINAL - RETURN TO GENERATOR

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

:28
Date: 11/22/2005 (MANUAL) 11:38 AM
TIME IN: 11:38 AM Ticket: 072005
354-347
:RS WC7791 NAS/JAX
).O. BOX 30 BLDG 147 PUBLIC WORKS
JACKSONVILLE FL 32212-0030

rivers: RICHARD Truck: 0006
anifest #: 15033

escription	Quantity
DIL	18.89 TON
ource: DUVAL Type: CBD	District: IN
AL CHARGE	22.00 TNN
ource: DUVAL Type: SPW	District: IN
IST REIMBURSEMENT	
IST FEE	
PERFUND	
EL SURCHARGE	

ature R. Ezell

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. F L 3 1 7 0 0 2 2 4 7 4
Manifest Document No. 52033
2. Page 1 of 1

3. Generator's Name and Mailing Address
Naval Air Station (NAS) Jacksonville
Public Works Center , P.O.B 30, Bldg 147, JAX., Florida 32212

TRK # 0006

4. Generator's Phone ( )

5. Transporter 1 Company Name: Beaver Bulk Inc
6. US EPA ID Number
A. Transporter's Phone: (386)362-1185

7. Transporter 2 Company Name
8. US EPA ID Number
B. Transporter's Phone

9. Designated Facility Name and Site Address
Chesser Island Landfill
Hwy 121 South
Folkston, Georgia 31537
10. US EPA ID Number: Not Required
C. Facility's Phone: 912/496-7918

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Non-Hazardous Contaminated Soil	001	DT	00020	T
b. N/A				
c. N/A				
d. N/A				

D. Additional Descriptions for Materials Listed Above: N/A

E. Handling Codes for Wastes Listed Above: N/A

15. Special Handling Instructions and Additional Information
Approval# WM-VB 7791
ERS Job # 5298
ERS Manifest # 52981
Project # 333944
Emergency Contact # (904) 791-9992

Copy For File
52980A
By:

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: John Drummett
Signature:
Month Day Year: 11 22 05

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Richard Ezell
Signature:
Month Day Year: 11 1 22 05

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: R. LORD
Signature:
Month Day Year: 11 22 05

GENERATOR 1 — TRANSPORTER — FACILITY

ORIGINAL - RETURN TO GENERATOR

Enclosure 5

Laboratory Analytical Reports

- Waste Characterization Laboratory Analytical Summary Table and Report
- Fill Material Certification Laboratory Analytical Summary Table and Report

CTO38 R4
Data Summary Table

Site 49 Waste Char.	Station ID	38-WC-S-1018-05
	Sample ID	38-WC-S-1018-05
	Sample Date	10/18/2005
Parameter	**Unit**	
SW6010B		
Arsenic	MG/L	0.018 U
Barium	MG/L	**0.0474 J**
Cadmium	MG/L	0.00356 U
Chromium, total	MG/L	0.013 U
Lead	MG/L	0.022 U
Selenium	MG/L	0.026 U
Silver	MG/L	0.0065 U
SW7470A		
Mercury	MG/L	0.000162 U
SW8081		
Chlordane	MG/L	0.0011 U
Endrin	MG/L	0.00011 U
Gamma bhc (lindane)	MG/L	0.00011 U
Heptachlor	MG/L	0.00011 U
Heptachlor epoxide	MG/L	0.00011 U
Methoxychlor	MG/L	0.00011 U
Toxaphene	MG/L	0.0011 U
SW8151		
2,4-d (dichlorophenoxyacetic acid)	MG/L	0.0012 U
silvex (2,4,5-tp)	MG/L	0.0012 U
SW8260B		
1,1-Dichloroethene	MG/L	0.01 U
1,2-Dichloroethane	MG/L	0.01 U
Benzene	MG/L	0.01 U
Carbon tetrachloride	MG/L	0.01 U
Chlorobenzene	MG/L	0.01 U
Chloroform	MG/L	0.01 U
Methyl ethyl ketone (2-butanone)	MG/L	0.05 U
Tetrachloroethene (PCE)	MG/L	0.01 U
Trichloroethene (TCE)	MG/L	0.01 U
Vinyl chloride	MG/L	0.01 U
SW8270C		
1,4-Dichlorobenzene	MG/L	0.00851 U
2,4,5-Trichlorophenol	MG/L	0.00851 U
2,4,6-Trichlorophenol	MG/L	0.00851 U
2,4-Dinitrotoluene	MG/L	0.00851 U
2-Methylphenol (o-Cresol)	MG/L	0.00851 U
4-Methylphenol (p-Cresol)	MG/L	0.0213 U
Hexachlorobenzene	MG/L	0.00851 U
Hexachlorobutadiene	MG/L	0.00851 U
Hexachloroethane	MG/L	0.00851 U
Nitrobenzene	MG/L	0.00851 U
Pentachlorophenol	MG/L	0.0426 U
Pyridine	MG/L	0.00851 U

Notes:
Values Bold and Shaded are Hits
U - The analyte was analyzed for , but not detected.
J - estimated value

CTO38 R4
Data Summary Table

Site 49 Waste Char.	Station ID	38-WC-S-1018-05
	Sample ID	38-WC-S-1018-05
	Sample Date	10/18/2005
Parameter	**Unit**	
SW1030		
Ignitability	Units	**Pass**
SW8082		
Aroclor-1016	UG/KG	34 U
Aroclor-1221	UG/KG	17 U
Aroclor-1232	UG/KG	34 U
Aroclor-1242	UG/KG	17 U
Aroclor-1248	UG/KG	34 U
Aroclor-1254	UG/KG	34 U
Aroclor-1260	UG/KG	34 U
SW9045		
ph	PH	**5.5**

Notes:
Values Bold and Shaded are Hits
U - The analyte was analyzed for , but not detected.

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

38-WC-S-1018-05

Lab Name: PEL Laboratories, Inc. Contract: Cecil Field Site 49

Lab Code : PEL Case No. SAS No: SDG No.: 2502362

Matrix: SOIL Lab Sample ID: 250236201 Lab File ID: 36201.D

Sample wt/vol: 0.5 Units: ML Date Received: 10/19/05

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 10/25/05 Time: 0723

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Soil Characteri Method: 8260 TCLP

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: MG/L

TCLP Analysis

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-01-4	Vinyl chloride	0.01	U
75-35-4	1,1-Dichloroethene	0.01	U
78-93-3	2-Butanone	0.05	U
67-66-3	Chloroform	0.01	U
56-23-5	Carbon tetrachloride	0.01	U
71-43-2	Benzene	0.01	U
107-06-2	1,2-Dichloroethane	0.01	U
79-01-6	Trichloroethene	0.01	U
127-18-4	Tetrachloroethene	0.01	U
108-90-7	Chlorobenzene	0.01	U

C-✓

1

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

38-WC-S-1018-05

Lab Name: PEL Laboratories, Inc. Contract: Cecil Field Site 49

Lab Code : PEL Case No. SAS No: SDG No.: 2502362

Matrix: SOIL Lab Sample ID: 250236201 Lab File ID: 362-01.D

Sample wt/vol: 470 Units: ML Date Received: 10/19/05

Concentrated Extract Volume: 1 Date Extracted: 10/25/05

Level:(low/med) LOW Date Analyzed: 10/26/05 Time: 1022

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: SEPF Station ID: Soil Characteri Method: 8270 TCLP

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: MG/L

TCLP Analysis

CAS NO.	*ANALYTE*	*RESULT*	*Q*
110-86-1	Pyridine	0.00851	U
106-46-7	1,4-Dichlorobenzene	0.00851	U
95-48-7	2-Methylphenol (o-Cresol)	0.00851	U
67-72-1	Hexachloroethane	0.00851	U
106-44-5	4-Methylphenol	0.0213	U
98-95-3	Nitrobenzene	0.00851	U
87-68-3	Hexachlorobutadiene	0.00851	U
88-06-2	2,4,6-Trichlorophenol	0.00851	U
95-95-4	2,4,5-Trichlorophenol	0.00851	U
121-14-2	2,4-Dinitrotoluene	0.00851	U
118-74-1	Hexachlorobenzene	0.00851	U
87-86-5	Pentachlorophenol	0.0426	U

C.L

PESTICIDE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

38-WC-S-1018-05

Lab Name: PEL Laboratories, Inc. Contract: Cecil Field Site 49

Lab Code: PEL Case No. SAS No: SDG No.: 2502362

Matrix: SOIL Lab Sample ID: 250236201 Lab File ID: 62-01.D

Sample wt/vol: 450 Units: ML Date Received: 10/19/05

Concentrated Extract Volume: 10 Date Extracted: 10/25/05

Level:(low/med) LOW Date Analyzed: 10/26/05 Time: 1157

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: SEPF Station ID: Soil Characteri Method: 8081 TCLP

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/L

TCLP Analysis

CAS NO.	*ANALYTE*	*RESULT*	*Q*
58-89-9	gamma-BHC (Lindane)	0.00011	U
76-44-8	Heptachlor	0.00011	U
1024-57-3	Heptachlor epoxide	0.00011	U
72-20-8	Endrin	0.00011	U
72-43-5	Methoxychlor	0.00011	U
57-74-9	Chlordane	0.0011	U
8001-35-2	Toxaphene	0.0011	U

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

38-WC-S-1018-05

Lab Name: PEL Laboratories, Inc. Contract: Cecil Field Site 49

Lab Code : PEL Case No. SAS No: SDG No.: 2502362

Matrix: SOIL Lab Sample ID: 250236201 Lab File ID: 62-01.D

Sample wt/vol: 33.05 Units: G Date Received: 10/19/05

Concentrated Extract Volume: 10 Date Extracted: 10/22/05

Level:(low/med) LOW Date Analyzed: 10/26/05 Time: 0155

PercentSolids: 87.4 decanted : Dilution Factor: 1

Extraction: SONC Station ID: Soil Characteri Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*
12674-11-2	Aroclor-1016	34	U
11096-82-5	Aroclor-1260	34	U
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	34	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	34	U
11097-69-1	Aroclor-1254	34	U

HERBICIDE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

38-WC-S-1018-05

Lab Name: PEL Laboratories, Inc. Contract: Cecil Field Site 49

Lab Code : PEL Case No. SAS No: SDG No.: 2502362

Matrix: SOIL Lab Sample ID: 250236201 Lab File ID: 362-01.D

Sample wt/vol: 425 Units: ML Date Received: 10/19/05

Concentrated Extract Volume: 10 Date Extracted: 10/25/05

Level:(low/med) LOW Date Analyzed: 10/26/05 Time: 0923

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: SEPF Station ID: Soil Characteri Method: 8151 TCLP

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/L

TCLP Analysis

CAS NO.	*ANALYTE*	*RESULT*	*Q*
93-72-1	2,4,5-TP (Silvex)	0.0012	U
94-75-7	2,4'-D	0.0012	U

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

38-WC-S-1018-05

Lab Name: PEL Laboratories, Inc. Contract: Cecil Field Site 49

Lab Code : PEL Case No. SAS No: SDG No.: 2502362

Matrix: SOIL Lab Sample ID: 250236201

Level:(low/med) LOW Date Received: 10/19/05

PercentSolids: 0 Station ID: Soil Characteri

TCLP Analysis

CONCENTRATION UNITS: MG/L

CAS NO.	ANALYTE	Concentration	C	Q	M
7440-38-2	Arsenic	0.018	U		P
7440-39-3	Barium	0.0474	~~B~~	J	P
7440-43-9	Cadmium	0.00356	U		P
7440-47-3	Chromium	0.013	U		P
7439-92-1	Lead	0.022	U		P
7439-97-6	Mercury	0.000162	U		CV
7782-49-2	Selenium	0.026	U		P
7440-22-4	Silver	0.0065	U		P

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

271005 1110

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

38-WC-S-1018-05

Lab Name: PEL Laboratories, Inc. Contract: Cecil Field Site 49

Lab Code : PEL Case No. SAS No: SDG No.: 2502362

Matrix: SOIL Lab Sample ID: 250236201

Level:(low/med) LOW Date Received: 10/19/05

PercentSolids: 0 Station ID: Soil Characteri

CONCENTRATION UNITS: pH

CAS NO.	ANALYTE	Concentration	C	Q	M
1-00-6	pH	5.5			N/A

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

271005-1110

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

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Lab Name: PEL Laboratories, Inc. Contract: Cecil Field Site 49

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Matrix: SOIL Lab Sample ID: 250236201

Level:(low/med) LOW Date Received: 10/19/05

PercentSolids: 0 Station ID: Soil Characteri

CONCENTRATION UNITS: N/A

CAS NO.	ANALYTE	Concentration	C	Q	M
IGN	Ignitability	Pass			N/A

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

CH2MHILL Constructors, Inc.

115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No: (770) 604-9182
Fax No: (770) 604-9282

CHAIN-OF-CUSTODY RECORD

2502362 cm

COC NUMBER: 333944-001 Page 1 of 1

PROJECT NAME:	PROJECT NUMBER:	LAB NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 1 (Name and Company):	RECIPIENT 1 (Address, Tel No. , and Fax No.):
Site 49 Former NAS Cecil Field	333944	PEL Laboratories Inc. Darcy Weisman	Kama White / Bethany Garvey CH2M Hill Constructors, Inc.	115 Perimeter Center Place, N.E. Suite 700 Atlanta, GA 30346 (770)604-9182 Ext.561 FAX:604-9282
PROJECT PHASE/SITE/TASK:	CTO OR DO NUMBER:	LAB PO NUMBER:	FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 2 (Name and Company):	RECIPIENT 2 (Address, Tel No. , and Fax No.):
Waste Characterization Soil Sampling	0038		Jeff Marks CH2M Hill Constructors, Inc.	6219 Authority Ave., Jacksonville, FL 32221 (904) 7774812 FAX: (904) 7774262
PROJECT CONTACT:	PROJECT TEL NO AND FAX NO:	LAB TEL NO AND FAX NO:	FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 3 (Name and Company):	RECIPIENT 3 (Address, Tel No. , and Fax No.):
Jeff Marks	Ph:904-777-4812 Fax: 904-777-4262	Ph: 813.247.2805 Fax: 813.248.1537		

ANALYSES REQUIRED (Include Method Numbers)

ITEM	SAMPLE IDENTIFIER	SAMPLE DESCRIPTION/LOCATION	MATRIX (see codes on back)	DATE COLLECTED	TIME COLLECTED	DATA PKG LEVEL (see codes on back)	TAT (calendar days)	PCBs by 8082	TCLP Volatiles by 8260, TCLP Semi Volatiles by 8270, TCLP Pesticides by 8081, TCLP Herb by 8151, TCLP Metals by 6010		Corrosivity by 9045, Ignitability by 1010.				SAMPLE TYPE (see codes on back)	COMMENTS/ SCREENING READINGS	LAB ID
1	38-WC-S-1018-05	Soil Characterization	S	10/18/05	1350	III/B	7 Day	1	1		1				Composite		01
2	38-TEMP-W-1018-05	Temperature Blank	W	10/18/05	NA	III/B	7 Day						1		Grab	Prepared by Lab	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

2502362

SAMPLER(S) AND COMPANY: (please print)	COURIER AND SHIPPING NUMBER:
J. Marks / R. Dumaop CH2M HILL / AGVIQ Env.	Federal Express Tracking Number: 792413815668.

Rec'd @ 4.3C

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
R.Dumaop	10/18/2005	18:00	Federal Express Tracking Number: 792413815668.	10/18/2005	18:00
Printed Name and Signature:			Printed Name and Signature:		
FED EX				10/19/05	10:00
Printed Name and Signature:			Printed Name and Signature:		

Distribution: [ ] Original - Laboratory (To be returned with Analytical Report); [ ] Copy 1 - Project File; [ ] Copy 2 - PMO

Form CC1001, Rev 02/00

SDG L0510264
Data Summary Table-Prelim Results

SDG L0510264			Station ID	41-BF2-S-1012-05	41-BF2-S-1012-05-1
			Sample ID	41-BF2-S-1012-05	41-BF2-S-1012-05-1
			Sample Date	10/12/2005	10/12/2005
Parameter	**Unit**	**SCTL[1RES]**	**Leachability**		
SW6010B					
Aluminum	mg/kg	80000	***	2680	
Antimony	mg/kg	26	5	11 U	
Arsenic	mg/kg	2.1	29	1.1 U	
Barium	mg/kg	120**	1600	1.35	
Beryllium	mg/kg	0.8	63	0.0214 J	
Cadmium	mg/kg	82	8	0.063 J	
Calcium	mg/kg	NA	NA	23	
Chromium	mg/kg	210	NA	2.15	
Cobalt	mg/kg	4700	***	0.226 J	
Copper	mg/kg	150**	***	1.1 U	
Iron	mg/kg	23000	***	288	
Lead	mg/kg	400	***	1.02 J	
Magnesium	mg/kg	NA	NA	21.3 J	
Manganese	mg/kg	1600	***	2.5	
Nickel	mg/kg	110**	130	0.736 J	
Potassium	mg/kg	NA	NA	54.8 U	
Selenium	mg/kg	390	5	5.48 U	
Silver	mg/kg	390	17	2.19 U	
Sodium	mg/kg	NA	NA	27.4 U	
Vanadium	mg/kg	15**	980	2.03	
Zinc	mg/kg	23000	6000	1.1 U	
SW7471A					
Mercury	mg/kg	3.4	2.1	0.274 U	
SW8015M					
TRPH-Florida PRO	mg/kg	460	340	9.3 J	
SW8081A					
Aldrin	mg/kg	0.07	0.5	0.00177 U	
alpha bhc (alpha hexachlorocyclohexane)	mg/kg	0.2	0.0003	0.00177 U	
alpha endosulfan	mg/kg	NA	NA	0.00177 U	
alpha-chlordane	mg/kg	2.8	9.6	0.00177 U	
beta bhc (beta hexachlorocyclohexane)	mg/kg	0.6	0.001	0.00177 U	
beta endosulfan	mg/kg	NA	NA	0.00177 U	
DDT	mg/kg	3.3	11	0.00177 U	
delta bhc (delta hexachlorocyclohexane)	mg/kg	22	0.2	0.00177 U	
Dieldrin	mg/kg	0.07	0.004	0.00177 U	
endosulfan sulfate	mg/kg	NA	NA	0.00177 U	
endrin	mg/kg	21	1	0.00177 U	
endrin aldehyde	mg/kg	NA	NA	0.00177 U	
endrin ketone	mg/kg	NA	NA	0.00177 U	
gamma bhc (lindane)	mg/kg	0.7	0.009	0.00177 U	
gamma-chlordane	mg/kg	NA	NA	0.00177 U	
heptachlor	mg/kg	0.2	23	0.00177 U	
heptachlor epoxide	mg/kg	0.1	0.6	0.00177 U	
methoxychlor	mg/kg	370	160	0.00177 U	
p,p'-DDD	mg/kg	4.6	4	0.00177 U	
p,p'-DDE	mg/kg	3.3	18	0.00177 U	
toxaphene	mg/kg	1	31	0.0355 U	
SW8082					
Aroclor-1016	mg/kg	NA	NA	0.0177 U	
Aroclor-1221	mg/kg	NA	NA	0.0177 U	
Aroclor-1232	mg/kg	NA	NA	0.0177 U	
Aroclor-1242	mg/kg	NA	NA	0.0177 U	
Aroclor-1248	mg/kg	NA	NA	0.0177 U	
Aroclor-1254	mg/kg	NA	NA	0.0177 U	
Aroclor-1260	mg/kg	NA	NA	0.0177 U	
SW8151A					
2,4 db	mg/kg	NA	NA	0.0438 U	
2,4,5-t (trichlorophenoxyacetic acid)	mg/kg	590	0.4	0.00438 U	
2,4-d (dichlorophenoxyacetic acid)	mg/kg	670	0.7	0.0438 U	
dalapon	mg/kg	NA	NA	0.11 U	
dicamba	mg/kg	1800	2.6	0.00438 U	
dichloroprop	mg/kg	270	0.3	0.0438 U	
dinoseb	mg/kg	55	0.03	0.0219 U	
mcpa	mg/kg	30	0.02	4.38 U	
mcpp	mg/kg	NA	NA	4.38 U	
silvex (2,4,5-tp)	mg/kg	590	5.4	0.00329 U	
SW8260B					
1,1,1-Trichloroethane	mg/kg	400	1.9	0.00884 U	
1,1,2,2-Tetrachloroethane	mg/kg	0.7	0.002	0.00884 U	
1,1,2-trichloro-1,2,2-trifluoroethane	mg/kg	13000	27000	0.0177 U	
1,1,2-Trichloroethane	mg/kg	1.3	0.03	0.00884 U	

SDG L0510264
Data Summary Table-Prelim Results

SDG L0510264			Station ID	41-BF2-S-1012-05	41-BF2-S-1012-05-1
			Sample ID	41-BF2-S-1012-05	41-BF2-S-1012-05-1
			Sample Date	10/12/2005	10/12/2005
Parameter	**Unit**	**SCTL[1RES]**	**Leachability**		
1,1-Dichloroethane	mg/kg	290	0.4	0.00884 U	
1,1-Dichloroethene	mg/kg	0.09	0.06	0.00884 U	
1,2,4-Trichlorobenzene	mg/kg	560	5.3	0.00884 U	
1,2-Dibromo-3-chloropropane	mg/kg	0.8	0.001	0.00884 U	
1,2-Dibromoethane (Ethylene dibromide)	mg/kg	0.01	0.0001	0.00884 U	
1,2-Dichlorobenzene	mg/kg	650	17	0.00884 U	
1,2-Dichloroethane	mg/kg	0.5	0.01	0.00884 U	
1,2-Dichloropropane	mg/kg	0.6	0.03	0.00884 U	
1,3-Dichlorobenzene	mg/kg	27	0.3	0.00884 U	
1,4-Dichlorobenzene	mg/kg	6	2.2	0.00884 U	
2-Hexanone	mg/kg	5.1	1.4	0.0177 U	
Acetone	mg/kg	780	2.8	0.0246 J	
Benzene	mg/kg	1.1	0.007	0.00884 U	
Bromodichloromethane	mg/kg	NA	NA	0.00884 U	
Bromoform	mg/kg	48	0.03	0.00884 U	
Bromomethane	mg/kg	2.2	0.05	0.0177 U	
Carbon disulfide	mg/kg	200	5.6	0.00347 J	
Carbon tetrachloride	mg/kg	0.4	0.04	0.00884 U	
Chlorobenzene	mg/kg	30	1.3	0.00884 U	
Chloroethane	mg/kg	2.9	0.06	0.0177 U	
Chloroform	mg/kg	0.4	0.03	0.00884 U	
Chloromethane	mg/kg	1.7	0.01	0.0177 U	
cis-1,2-Dichloroethene	mg/kg	19	0.4	0.00884 U	
cis-1,3-Dichloropropene	mg/kg	NA	NA	0.00884 U	
cyclohexane	mg/kg	NA	NA	0.00884 U	
cymene	mg/kg	160	0.2	0.00884 U	
Dibromochloromethane	mg/kg	1.4	0.003	0.00884 U	
Dichlorodifluoromethane	mg/kg	56	44	0.0177 U	
Ethylbenzene	mg/kg	1100	0.6	0.00884 U	
m,p-Xylene (sum of isomers)	mg/kg	NA	NA	0.00884 U	
Methyl ethyl ketone (2-butanone)	mg/kg	3100	17	0.00517 J	
Methyl isobutyl ketone (4-methyl-2-pentanone)	mg/kg	220	2.6	0.0177 U	
Methylene chloride	mg/kg	16	0.02	0.00884 U	
o-Xylene (1,2-Dimethylbenzene)	mg/kg	NA	NA	0.00884 U	
Styrene	mg/kg	2700	3.6	0.00884 U	
tert-butyl methyl ether	mg/kg	3200	0.2	0.00884 U	
Tetrachloroethene (PCE)	mg/kg	8.9	0.03	0.00884 U	
Toluene	mg/kg	380	0.5	0.00884 U	
trans-1,2-Dichloroethene	mg/kg	31	0.7	0.00884 U	
trans-1,3-Dichloropropene	mg/kg	NA	NA	0.00884 U	
Trichloroethene (TCE)	mg/kg	6	0.03	0.00884 U	
Trichlorofluoromethane	mg/kg	200	33	0.0177 U	
Vinyl chloride	mg/kg	0.03	0.007	0.0177 U	
SW8270C					
1,2,4-Trichlorobenzene	mg/kg	560	5.3	0.175 U	
1,2-Dichlorobenzene	mg/kg	650	17	0.175 U	
1,3-Dichlorobenzene	mg/kg	27	0.3	0.175 U	
1,4-Dichlorobenzene	mg/kg	6	2.2	0.175 U	
1-methylnaphthalene	mg/kg	68	2.2	0.00534 U	
2,4,5-Trichlorophenol	mg/kg	6000	0.3	0.175 U	
2,4,6-Trichlorophenol	mg/kg	72	0.06	0.175 U	
2,4-Dichlorophenol	mg/kg	130	0.005	0.175 U	
2,4-Dimethylphenol	mg/kg	910	1.7	0.175 U	
2,4-Dinitrophenol	mg/kg	66	0.06	0.873 U	
2,4-Dinitrotoluene	mg/kg	1.3	0.0008	0.175 U	
2,6-Dinitrotoluene	mg/kg	1	0.0007	0.175 U	
2-Chloronaphthalene	mg/kg	4000	260	0.175 U	
2-Chlorophenol	mg/kg	82	0.7	0.175 U	
2-Methylnaphthalene	mg/kg	80	6.1	0.175 U	0.00534 U
2-Methylphenol (o-Cresol)	mg/kg	2400	0.3	0.175 U	
2-Nitroaniline	mg/kg	5.7	0.3	0.873 U	
2-Nitrophenol	mg/kg	NA	NA	0.175 U	
3,3'-Dichlorobenzidine	mg/kg	2.1	0.4	0.349 U	
3-Nitroaniline	mg/kg	NA	NA	0.873 U	
4,6-Dinitro-2-methylphenol	mg/kg	NA	NA	0.873 U	
4-Bromophenyl phenyl ether	mg/kg	NA	NA	0.175 U	
4-Chloro-3-methylphenol	mg/kg	410	0.4	0.175 U	
4-Chloroaniline	mg/kg	190	0.2	0.175 U	
4-Chlorophenyl phenyl ether	mg/kg	NA	NA	0.175 U	
4-Methylphenol (p-Cresol)	mg/kg	250	0.03	0.175 U	
4-Nitroaniline	mg/kg	5.2	0.1	0.873 U	
4-Nitrophenol	mg/kg	390	0.3	0.873 U	

SDG L0510264
Data Summary Table-Prelim Results

SDG L0510264			Station ID	41-BF2-S-1012-05	41-BF2-S-1012-05-1
			Sample ID	41-BF2-S-1012-05	41-BF2-S-1012-05-1
			Sample Date	10/12/2005	10/12/2005
Parameter	**Unit**	**SCTL[1RES]**	**Leachability**		
Acenaphthene	mg/kg	1900	2.1	0.175 U	0.00534 U
Acenaphthylene	mg/kg	1100	27	0.175 U	0.00534 U
Anthracene	mg/kg	18000	2500	0.175 U	0.00534 U
Benzo(a)anthracene	mg/kg	1.4	3.2	0.175 U	0.00534 U
Benzo(a)pyrene	mg/kg	0.1	8	0.175 U	0.00534 U
Benzo(b)fluoranthene	mg/kg	1.4	10	0.175 U	0.00534 U
Benzo(g,h,i)perylene	mg/kg	2300	32000	0.175 U	0.00534 U
Benzo(k)fluoranthene	mg/kg	15	25	0.175 U	0.00534 U
Benzyl butyl phthalate	mg/kg	15000	310	0.175 U	
Bis(2-Chloroethoxy) methane	mg/kg	NA	NA	0.175 U	
bis(2-Chloroethyl) ether (2-Chloroethyl ether)	mg/kg	0.3	0.02	0.175 U	
bis(2-Chloroisopropyl) ether	mg/kg	NA	NA	0.175 U	
bis(2-Ethylhexyl) phthalate	mg/kg	76	3600	0.175 U	
Carbazole	mg/kg	53	0.6	0.175 U	
Chrysene	mg/kg	140	77	0.175 U	0.00534 U
Di-n-butyl phthalate	mg/kg	7300	47	0.175 U	
Di-n-octylphthalate	mg/kg	1500	480000	0.175 U	
Dibenz(a,h)anthracene	mg/kg	0.1	30	0.175 U	0.00534 U
Dibenzofuran	mg/kg	280	15	0.175 U	
Diethyl phthalate	mg/kg	54000	86	0.175 U	
Dimethyl phthalate	mg/kg	590000	380	0.175 U	
Fluoranthene	mg/kg	2900	1200	0.175 U	0.00534 U
Fluorene	mg/kg	2200	160	0.175 U	0.00534 U
Hexachlorobenzene	mg/kg	0.5	2.2	0.175 U	
Hexachlorobutadiene	mg/kg	6.3	1.1	0.175 U	
Hexachlorocyclopentadiene	mg/kg	2.4	400	0.175 U	
Hexachloroethane	mg/kg	34	0.2	0.175 U	
Indeno(1,2,3-c,d)pyrene	mg/kg	1.5	28	0.175 U	0.00534 U
Isophorone	mg/kg	340	0.2	0.175 U	
n-Nitrosodi-n-propylamine	mg/kg	0.09	0.04	0.175 U	
n-Nitrosodiphenylamine	mg/kg	170	0.4	0.175 U	
Naphthalene	mg/kg	40	1.7	0.175 U	
Nitrobenzene	mg/kg	14	0.03	0.175 U	
Pentachlorophenol	mg/kg	7.7	0.03	0.873 U	
Phenanthrene	mg/kg	2000	250	0.175 U	0.00534 U
Phenol	mg/kg	900**	0.05	0.175 U	
Pyrene	mg/kg	2200	880	0.175 U	0.00534 U
SW9045C					
Corrosivity pH	UNITS	NA	NA	4.27	

Notes:
All concentrations reported in micrograms per kilogram (mg/kg) unless otherwise noted.
1 = Ch 62-777 F.A.C Soil Cleanup Target Level (SCTLs) reported in
U - The analyte was analyzed for , but not detected.
J - Result is estimated
B-The analyte was detected in the associated method and/or calibration blank.
UJ- Value non-detected estimated.
JB- Estimate value..The analyte was detected in the associated method and/or calibration blank.
Bold values indicates concentration exceeds Residential Direct Exposure Limit
Shaded values indicate compounds that exceed Leachability based on Ground Water Criteria
Bold and Shaded values indicate compounds that exceed both SCTL and Leachability based on Groundwater Criteria
NA - Not Available at time of rule adoption
**Direct exposure value based on acute toxicity considerations
***Leachability values may be derived using the SPLP Test to calculate site-specific SCTLs or may be determined using TCLP in the event oily wastes are present.

The data has not undergone a comprehensive data quality assessment and is subject to change as a result of laboratory quality control exceptions applied during the validation process.

KEMRON REPORT L0510264

PREPARED FOR: CH2MHILL CONSTRUCTORS, INC.

WORK ID: S-3 VIKING PLANE CRASH

Summary Report 2
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Herbicide GC Data (8151) 967
QC Summary 968
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Standards Data 1038
Raw QC Data 1061
FLA-PRO GC Data (8015) 1074
QC Summary 1075

Sample Data *1099*
Standards Data *1108*
Raw QC Data *1134*
Metals Data 1141
Metals I C P Data 1142
QC Summary *1143*
Raw Data *1202*
Metals CVAA Data (Mercury) 1567
QC Summary *1568*
Raw Data *1592*
General Chemistry Data 1597

156 Starlite Drive, Marietta, OH 45750 * TEL 740-373-4071 * FAX 740-373-4835 * http://www.kemron.com

Laboratory Report Number: L0510264

Please find enclosed the analytical results for the samples you submitted to KEMRON Environmental Services.

Review and compilation of your report was completed by KEMRON's Sales and Service Team. If you have questions, comments or require further assistance regarding this report, please contact our team member noted in the Reviewed box below at 800-373-4071. Team member e-mail addresses also appear here for your convenience.

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vlauer@kemron-lab.com

This report was reviewed on 25-OCT-05.

CHERYL KOELSCH

I certify that all test results meet all of the requirments of the NELAP standards and other applicable contract terms and conditions. All results for soil samples are reported on a 'dry-weight' basis unless specified otherwise. Analytical results for water and wastes are reported on an 'as received' basis unless specified otherwise. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of KEMRON Environmental Services.

This report was certified on 25-OCT-05.

DAVID VANDENBERG

FL DOH NELAP ID: E8755

This report contains a total of 1605 pages.

Protecting Our Environmental Future

1.0 Summary Report

LABORATORY REPORT

L0510264

10/24/05 08:19

Submitted By

KEMRON Environmental Services
156 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: CH2M HILL Constructors, Inc. (CCI)
CH2MHILL Constructors Inc.
115 Perimeter Center Place NE Suite 700
Atlanta, GA 30346
Attention: Bethany Garvey

Account Number: 2821
Work ID: BACKFILL/TOP SOIL/BACKGROUND

Sample Summary

Client ID	Lab ID	Date Collected	Date Received
41-BG1-S-1012-05	L0510264-01	12-OCT-05	13-OCT-05
41-BG2-S-1012-05	L0510264-02	12-OCT-05	13-OCT-05
41-BF2-S-1012-05	L0510264-03	12-OCT-05	13-OCT-05
41-TS2-S-1012-05	L0510264-04	12-OCT-05	13-OCT-05
41-TB4-W-1012-05	L0510264-05	12-OCT-05	13-OCT-05

KEMRON ENVIRONMENTAL SERVICES
REPORT NARRATIVE

KEMRON Login No.: L0510264

CHAIN OF CUSTODY: The chain of custody number was 334939-004.

SHIPMENT CONDITIONS: The chain of custody forms were received sealed in a cooler. The cooler temperature was 0 degrees C.

SAMPLE MANAGEMENT: All samples received were intact.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Approved: 13-OCT-05

KEMRON ENVIRONMENTAL SERVICES
GC/MS VOLATILE ORGANICS

KEMRON Login No.: L0510264

METHOD

Preparation: SW-846 5030B, 5035

Analysis: SW-846 8260B

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Samples collected via 5035 preserved by freezing. Sample preparation preceeded normally.

CALIBRATION

Initial Calibration: For all compounds which yielded a %RSD greater than 15%, linear or higher order equations were applied or if the mean %RSD for all analytes was less than 15% the average response factors were used. All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibration and Tune: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Matrix Spike: The MS/MSD results were not associated with this sample delivery group (SDG).

SAMPLES

Internal Standards: 1,4-Dichlorobenzene-d4 and chlorobenzene-d5 were below the lower control limits in the analysis of sample 04; 1,4-dichlorobenzene-d4 was below the lower control limit in the re-analysis of sample 04. All other acceptance criteria were met.

Surrogates: 4-Bromofluorobenzene and toluene-d8 exceeded the upper control limit in the analysis of sample 04 and the re-analysis of sample 04. All other acceptance criteria were met.

Samples: All acceptance criteria were met.

Manual Integration Reason Codes

KEMRON laboratory management has identified four general cases with valid reasons supporting the use of manual integration techniques.

Reason #1: Data System Fails to Select Correct Peak

In some cases the chromatography system selects and integrates the ”wrong peak”. In this case the analyst must correct the selection and force the system to integrate the proper peak. Other times the system may miss the peak completely.

Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak.

This phenomena is common at low concentrations where the signal:noise ratio is low. A single compound (peak) is incorrectly split into multiple peaks or integrated as a main peak with one or more rider peaks resulting in low area counts for the target compound.

Reason #3: Improperly Integrated Isomers and/or coeluting compounds.

This system often fails to distinguish coeluting compounds and or isomers. The integration areas and concentrations are wrong, and they must be corrected by manual integration. Prime examples are benzo(k)fluoranthene and benzo(b)fluoranthene which are often unresolved and integrated improperly when both are present at low concentrations in standards or samples.

Reason #4: System Establishes Incorrect Baseline

There are numerous situations in chromatography where the system establishes the baseline incorrectly. Some baseline errors will be obvious to the analyst and should be corrected via manual procedures.

Reason #5: Miscellaneous

Other situations involving integration errors may require in-depth review and technical judgment. These cases should be brought to the attention of the laboratory management. If the form of manual integration is not clearly covered by these four cases, then review and approval by the Laboratory Director or the QA/QC Supervisor will be required.

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Analyst: CMS

Approved: 20-OCT-05

KEMRON ENVIRONMENTAL SERVICES
GC/MS SEMIVOLATILE ORGANICS

KEMRON Login No.: L0510264

METHOD

Preparation: 3545 (soils) or 3510 (waters)

Analysis: SW-846 8270C

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: For all compounds which yielded a %RSD greater than 15%, linear or higher order equations were applied. All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibration and Tune: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: The LCS associated yielded responses for chrysene-d12 and perylene-d12 that were above the upper acceptance limit, resulting in low recoveries for 9 compounds; since we could determine no cause for this anomaly, the samples were re-extracted with an acceptable LCS. All other acceptance criteria were met.

Matrix Spikes: The MS/MSD were not associated with these samples.

SAMPLES

Internal Standards: All acceptance criteria were met.

Surrogates: The re-extract of sample 02 yielded recoveries for 2-fluorobiphenyl and nitrobenzene-d5 that were above the upper acceptance limits. All other acceptance criteria were met.

Samples: Sample 02 and the re-extracts of samples 01 and 02 were analyzed at dilutions due to viscosity. All acceptance criteria were met.

Manual Integration Reason Codes

KEMRON laboratory management has identified four general cases with valid reasons supporting the use of manual integration techniques.

Reason #1: Data System Fails to Select Correct Peak
In some cases the chromatography system selects and integrates the ”wrong peak”. In this case the analyst must correct the selection and force the system to integrate the proper peak. Other times the system may miss the peak completely.

Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak.
This phenomena is common at low concentrations where the signal:noise ratio is low. A single compound (peak) is incorrectly split into multiple peaks or integrated as a main peak with one or more rider peaks resulting in low area counts for the target compound.

Reason #3: Improperly Integrated Isomers and/or coeluting compounds.
This system often fails to distinguish coeluting compounds and or isomers. The integration areas and concentrations are wrong, and they must be corrected by manual integration. Prime examples are benzo(k)fluoranthene and benzo(b)fluoranthene which are often unresolved and integrated improperly when both are present at low concentrations in standards or samples.

Reason #4: System Establishes Incorrect Baseline
There are numerous situations in chromatography where the system establishes the baseline incorrectly. Some baseline errors will be obvious to the analyst and should be corrected via manual procedures.

Reason #5: Miscellaneous
Other situations involving integration errors may require in-depth review and technical judgment. These cases should be brought to the attention of the laboratory management. If the form of manual integration is not clearly covered by these four cases, then review and approval by the Laboratory Director or the QA/QC Supervisor will be required.

MI-REASONS-SAMPLES

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Analyst: CLK

Approved: 20-OCT-05

KEMRON ENVIRONMENTAL SERVICES
GC/MS SEMIVOLATILE ORGANICS

KEMRON Login No.: L0510264

METHOD

Preparation: SW-846 3545 or 3550B (soils)/3510 or 3520C (waters).

Analysis: SW-846 8270C

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: For all compounds which yielded a %RSD greater than 15%, linear or higher order equations were applied. All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibration and Tune: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Matrix Spikes: The MS/MSD were not associated with these samples.

SAMPLES

Internal Standards: All acceptance criteria were met.

Surrogates: All acceptance criteria were met.

Samples: Sample 02 was analyzed at a dilution due to viscosity. All acceptance criteria were met.

Manual Integration Reason Codes

KEMRON laboratory management has identified four general cases with valid reasons supporting the use of manual integration techniques.

Reason #1: Data System Fails to Select Correct Peak
In some cases the chromatography system selects and integrates the ”wrong peak”. In this case the analyst must

correct the selection and force the system to integrate the proper peak. Other times the system may miss the peak completely.

Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak.
This phenomena is common at low concentrations where the signal:noise ratio is low. A single compound (peak) is incorrectly split into multiple peaks or integrated as a main peak with one or more rider peaks resulting in low area counts for the target compound.

Reason #3: Improperly Integrated Isomers and/or coeluting compounds.
This system often fails to distinguish coeluting compounds and or isomers. The integration areas and concentrations are wrong, and they must be corrected by manual integration. Prime examples are benzo(k)fluoranthene and benzo(b)fluoranthene which are often unresolved and integrated improperly when both are present at low concentrations in standards or samples.

Reason #4: System Establishes Incorrect Baseline
There are numerous situations in chromatography where the system establishes the baseline incorrectly. Some baseline errors will be obvious to the analyst and should be corrected via manual procedures.

Reason #5: Miscellaneous
Other situations involving integration errors may require in-depth review and technical judgment. These cases should be brought to the attention of the laboratory management. If the form of manual integration is not clearly covered by these four cases, then review and approval by the Laboratory Director or the QA/QC Supervisor will be required.

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Analyst: CLK

Approved: 18-OCT-05

KEMRON ENVIRONMENTAL SERVICES
GC PESTICIDES

KEMRON Login No.: L0510264

METHOD

Preparation: SW- 846 3550B(Soils) 3510C(Waters)

Analysis: SW-846 8081

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: For all compounds which yielded a %RSD greater than 20 %, linear or higher order equations were applied. All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibration: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Labortory Control Sample: All acceptance criteria were met.

Matrix Spikes: There were no MS/MSD results associated with this sample delivery group.

SAMPLES

Surrogates: The dilution of sample -01 and the confirmation of sample -02 yielded % recoveries for decachlorobiphenyl that were above the acceptance limit. All other acceptance criteria were met.

Endrin/DDT Breakdown: All acceptance criteria were met.

Samples: For all samples which yielded results with an RPD of greater than 40% between the primary and confirmation column the appropriate flag was applied. All acceptance criteria were met.

Manual Integration Reason Codes

KEMRON laboratory management has identified four general cases with valid reasons supporting the use of manual integration techniques.

Reason #1: Data System Fails to Select Correct Peak
In some cases the chromatography system selects and integrates the ”wrong peak”. In this case the analyst must correct the selection and force the system to integrate the proper peak. Other times the system may miss the peak completely.

Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak.
This phenomena is common at low concentrations where the signal:noise ratio is low. A single compound (peak) is incorrectly split into multiple peaks or integrated as a main peak with one or more rider peaks resulting in low area counts for the target compound.

Reason #3: Improperly Integrated Isomers and/or coeluting compounds.
This system often fails to distinguish coeluting compounds and or isomers. The integration areas and concentrations are wrong, and they must be corrected by manual integration. Prime examples are benzo(k)fluoranthene and benzo(b)fluoranthene which are often unresolved and integrated improperly when both are present at low concentrations in standards or samples.

Reason #4: System Establishes Incorrect Baseline
There are numerous situations in chromatography where the system establishes the baseline incorrectly. Some baseline errors will be obvious to the analyst and should be corrected via manual procedures.

Reason #5: Miscellaneous
Other situations involving integration errors may require in-depth review and technical judgment. These cases should be brought to the attention of the laboratory management. If the form of manual integration is not clearly covered by these four cases, then review and approval by the Laboratory Director or the QA/QC Supervisor will be required.

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Analyst: ECL

Approved: 21-OCT-05

KEMRON ENVIRONMENTAL SERVICES
GC PCB

KEMRON Login No.: L0510264

METHOD

Preparation: SW- 846 3550B(Soils) 3510C(Waters)

Analysis: SW-846 8082

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: For all compounds which yielded a %RSD greater than 20 %, linear or higher order equations were applied. All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibration: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Matrix Spikes: There were no MS/MSD results associated with this sample delivery group.

SAMPLES

Surrogates: All acceptance criteria were met.

Samples: All acceptance criteria were met.

Manual Integration Reason Codes

KEMRON laboratory management has identified four general cases with valid reasons supporting the use of manual integration techniques.

Reason #1: Data System Fails to Select Correct Peak
In some cases the chromatography system selects and integrates the ”wrong peak”. In this case the analyst must correct the selection and force the system to integrate the proper peak. Other times the system may miss the peak completely.

Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak.
This phenomena is common at low concentrations where the signal:noise ratio is low. A single compound (peak) is incorrectly split into multiple peaks or integrated as a main peak with one or more rider peaks resulting in low area counts for the target compound.

Reason #3: Improperly Integrated Isomers and/or coeluting compounds.
This system often fails to distinguish coeluting compounds and or isomers. The integration areas and concentrations are wrong, and they must be corrected by manual integration. Prime examples are benzo(k)fluoranthene and benzo(b)fluoranthene which are often unresolved and integrated improperly when both are present at low concentrations in standards or samples.

Reason #4: System Establishes Incorrect Baseline
There are numerous situations in chromatography where the system establishes the baseline incorrectly. Some baseline errors will be obvious to the analyst and should be corrected via manual procedures.

Reason #5: Miscellaneous
Other situations involving integration errors may require in-depth review and technical judgment. These cases should be brought to the attention of the laboratory management. If the form of manual integration is not clearly covered by these four cases, then review and approval by the Laboratory Director or the QA/QC Supervisor will be required.

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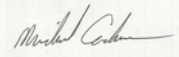
Analyst: ECL

Approved: 21-OCT-05


KEMRON ENVIRONMENTAL SERVICES
GC HERBICIDES

KEMRON Login No.: L0510264

METHOD

Preparation: SW- 846 3550B(Soils) 3510C(Waters)

Analysis: SW-846 8151

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: For all compounds which yielded a %RSD greater than 15%, linear or higher order equations were applied. All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibraton: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: The LCS associated with WG198747 yielded % recoveries for 2,4-D, 2,4-DB and dichloroprop that were below the acceptance limits. Samples -01, -02, -03 and -04 were sent for re-extraction due to low LCS recoveries. The re-extractions were done within hold time and yielded good LCS recoveries. All other acceptance criteria were met.

Matrix Spikes: There were no MS/MSD results associated with this sample delivery group.

SAMPLES

Surrogates: All acceptance criteria were met.

Samples: For all samples which yielded results with an RPD of greater than 40% between the primary and confirmation column the appropriate flag was applied. All acceptance criteria were met.

Manual Integration Reason Codes

KEMRON laboratory management has identified four general cases with valid reasons supporting the use of manual integration techniques.

Reason #1: Data System Fails to Select Correct Peak
In some cases the chromatography system selects and integrates the ”wrong peak”. In this case the analyst must correct the selection and force the system to integrate the proper peak. Other times the system may miss the peak completely.

Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak.
This phenomena is common at low concentrations where the signal:noise ratio is low. A single compound (peak) is incorrectly split into multiple peaks or integrated as a main peak with one or more rider peaks resulting in low area counts for the target compound.

Reason #3: Improperly Integrated Isomers and/or coeluting compounds.
This system often fails to distinguish coeluting compounds and or isomers. The integration areas and concentrations are wrong, and they must be corrected by manual integration. Prime examples are benzo(k)fluoranthene and benzo(b)fluoranthene which are often unresolved and integrated improperly when both are present at low concentrations in standards or samples.

Reason #4: System Establishes Incorrect Baseline
There are numerous situations in chromatography where the system establishes the baseline incorrectly. Some baseline errors will be obvious to the analyst and should be corrected via manual procedures.

Reason #5: Miscellaneous
Other situations involving integration errors may require in-depth review and technical judgment. These cases should be brought to the attention of the laboratory management. If the form of manual integration is not clearly covered by these four cases, then review and approval by the Laboratory Director or the QA/QC Supervisor will be required.

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Analyst: ECL

Approved: 21-OCT-05

KEMRON ENVIRONMENTAL SERVICES
GC PRO RANGE ORGANICS

KEMRON Login No.: L0510264

METHOD

Preparation: SW- 846 3550B(Soils) 3510C(Waters)

Analysis: SW-846 8015

HOLDING TIMES

Sample Preparation: All holding times were met

Sample Analysis: All holding times were met

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: For all compounds which yielded a %RSD greater than 20 %, linear or higher order equations were applied. All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibration: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Matrix Spike: The MS/MSD results were not associated with sample delivery group.

SAMPLES

Samples: All acceptance criteria were met.

Surrogates: All acceptance criteria were met.

Manual Integration Reason Codes

KEMRON laboratory management has identified four general cases with valid reasons supporting the use of manual integration techniques.

Reason #1: Data System Fails to Select Correct Peak
In some cases the chromatography system selects and integrates the ”wrong peak”. In this case the analyst must correct the selection and force the system to integrate the proper peak. Other times the system may miss the peak completely.

Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak.
This phenomena is common at low concentrations where the signal:noise ratio is low. A single compound (peak) is incorrectly split into multiple peaks or integrated as a main peak with one or more rider peaks resulting in low area counts for the target compound.

Reason #3: Improperly Integrated Isomers and/or coeluting compounds.
This system often fails to distinguish coeluting compounds and or isomers. The integration areas and concentrations are wrong, and they must be corrected by manual integration. Prime examples are benzo(k)fluoranthene and benzo(b)fluoranthene which are often unresolved and integrated improperly when both are present at low concentrations in standards or samples.

Reason #4: System Establishes Incorrect Baseline
There are numerous situations in chromatography where the system establishes the baseline incorrectly. Some baseline errors will be obvious to the analyst and should be corrected via manual procedures.

Reason #5: Miscellaneous
Other situations involving integration errors may require in-depth review and technical judgment. These cases should be brought to the attention of the laboratory management. If the form of manual integration is not clearly covered by these four cases, then review and approval by the Laboratory Director or the QA/QC Supervisor will be required.

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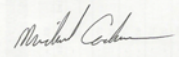
Analyst: HAV

Approved: 18-OCT-05


KEMRON ENVIRONMENTAL SERVICES
METALS

KEMRON Login No: L0510264

METHOD

Analysis: SW-846 6010

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibrations: All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibration: WG198673(6010) - On 10/14/2005 the continuing calibration blank associated with the interference check samples yielded a vanadium result which was noncompliant on the negative side. All client samples and batch QA/QC were reanalyzed on a different calibration for vanadium. Due to continuing calibration verification failure on 10/14/05 at 17:01, client samples 01, 02 and 04 were reanalyzed on 10/17/05 for all analytes.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Serial Dilution/Post Digestion Spike: WG198673(6010) - All acceptance criteria were met.

SAMPLES

All acceptance criteria were met.

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Analyst: SLP

Approved: 18-OCT-05
Maren Berry

KEMRON ENVIRONMENTAL SERVICES
METALS

KEMRON Login No: L0510264

METHOD

Analysis: SW-846 7471A

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibrations: All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibration: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Serial Dilution/Post Digestion Spike: WG198754(7471A) - All acceptance criteria were met.

SAMPLES

All acceptance criteria were met.

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Analyst: CRC

Approved: 18-OCT-05
Maren Berry

KEMRON ENVIRONMENTAL SERVICES
GENERAL CHEMISTRY

KEMRON Login No.: L0510264

METHOD

Analysis: See report for method reference.

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Duplicates: All acceptance criteria were met.

Matrix Spikes: All acceptance criteria were met.

SAMPLES

There were no technical difficulties with the sample group.

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Analyst: DIH

Approved: 18-OCT-05

Report Number: **L0510264**
Report Date : **October 24, 2005**

Sample Number: **L0510264-01**
Client ID: **41-BG1-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198673**
Collect Date: **10/12/2005 13:25**
Sample Tag: **01**

Prep Method: **3050B**
Analytical Method: **6010B**
Analyst: **SLP**
Dilution: **1**
Units: **mg/kg**
Percent Solid: **65.8**

Instrument: **IRIS-ICP**
Prep Date: **10/14/2005 06:30**
Cal Date: **10/17/2005 10:21**
Run Date: **10/17/2005 11:12**
File ID: **IR.101705.111200**

Analyte	CAS. Number	Result	Qual	RL	MDL
Aluminum, Total	7429-90-5	590		28.9	14.5
Silver, Total	7440-22-4		U	2.89	0.362
Arsenic, Total	7440-38-2		U	1.45	0.723
Barium, Total	7440-39-3	9.64		0.723	0.145
Beryllium, Total	7440-41-7		U	0.723	0.0174
Calcium, Total	7440-70-2	1870		14.5	7.23
Cadmium, Total	7440-43-9	0.106	J	0.723	0.0723
Cobalt, Total	7440-48-4		U	1.45	0.174
Chromium, Total	7440-47-3	1.99		1.45	0.174
Copper, Total	7440-50-8	3.74		1.45	0.723
Iron, Total	7439-89-6	588		2.89	1.45
Potassium, Total	7440-09-7	59.2	J	72.3	36.2
Magnesium, Total	7439-95-4	142		36.2	17.4
Manganese, Total	7439-96-5	29.1		0.723	0.145
Sodium, Total	7440-23-5	10.8	J	36.2	7.23
Nickel, Total	7440-02-0		U	2.89	0.723
Lead, Total	7439-92-1	14.6		7.23	0.723
Antimony, Total	7440-36-0		U	14.5	0.723
Selenium, Total	7782-49-2		U	7.23	0.723
Vanadium, Total	7440-62-2	2.85		0.723	0.362
Zinc, Total	7440-66-6	11.1		1.45	0.723

J The analyte was positively identified, but the quantitation was below the RL
U Not detected at or above adjusted sample detection limit

Sample Number: **L0510264-01**
Client ID: **41-BG1-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198754**
Collect Date: **10/12/2005 13:25**
Sample Tag: **01**

Prep Method: **METHOD**
Analytical Method: **7471A**
Analyst: **CRC**
Dilution: **1**
Units: **mg/kg**
Percent Solid: **65.8**

Instrument: **HYDRA**
Prep Date: **10/14/2005 12:30**
Cal Date: **10/17/2005 11:42**
Run Date: **10/17/2005 11:57**
File ID: **HY.101705.115747**

Analyte	CAS. Number	Result	Qual	RL	MDL
Mercury, Total	7439-97-6	0.0406	J	0.351	0.0140

J The analyte was positively identified, but the quantitation was below the RL

Sample Number: L0510264-01
Client ID: 41-BG1-S-1012-05
Matrix: Soil
Workgroup Number: WG198689
Collect Date: 10/12/2005 13:25
Sample Tag: 01

Prep Method: 3550B
Analytical Method: 8081A
Analyst: ECL
Dilution: 1
Units: ug/kg
Percent Solid: 65.8

Instrument: HP9
Prep Date: 10/14/2005 08:30
Cal Date: 10/13/2005 21:39
Run Date: 10/14/2005 17:27
File ID: 9G32675.F

Analyte	CAS. Number	Result	Qual	RL	MDL
alpha-BHC	319-84-6		U	2.47	0.494
beta-BHC	319-85-7		U	2.47	0.494
delta-BHC	319-86-8		U	2.47	0.494
gamma-BHC (Lindane)	58-89-9		U	2.47	0.494
Heptachlor	76-44-8		U	2.47	0.494
Aldrin	309-00-2		U	2.47	0.494
Heptachlor epoxide	1024-57-3		U	2.47	0.494
Endosulfan I	959-98-8		U	2.47	0.494
Dieldrin	60-57-1		U	2.47	0.494
4,4'-DDE	72-55-9	101	I	2.47	0.494
Endrin	72-20-8		U	2.47	0.494
Endosulfan II	33213-65-9		U	2.47	0.494
4,4'-DDD	72-54-8	18.7		2.47	0.494
Endosulfan sulfate	1031-07-8		U	2.47	0.494
4,4'-DDT	50-29-3	618	I	2.47	0.494
Methoxychlor	72-43-5		U	2.47	0.494
Endrin ketone	53494-70-5		U	2.47	0.494
Endrin aldehyde	7421-93-4		U	2.47	0.494
alpha Chlordane	5103-71-9	5.39	P	2.47	0.494
gamma Chlordane	5103-74-2	0.927	J	2.47	0.494
Toxaphene	8001-35-2		U	49.4	25.0

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-m-xylene	71.2	39	130	
Decachlorobiphenyl	99.1	33	143	

I Semiquantitative result (out of instrument calibration range)
J The analyte was positively identified, but the quantitation was below the RL
P Concentrations >40% difference between the two GC columns
U Not detected at or above adjusted sample detection limit

Sample Number: L0510264-01
Client ID: 41-BG1-S-1012-05
Matrix: Soil
Workgroup Number: WG198689
Collect Date: 10/12/2005 13:25
Sample Tag: CF01

Prep Method: 3550B
Analytical Method: 8081A
Analyst: ECL
Dilution: 1
Units: ug/kg
Percent Solid: 65.8

Instrument: HP9
Prep Date: 10/14/2005 08:30
Cal Date: 10/13/2005 21:39
Run Date: 10/14/2005 17:55
File ID: 9G32675.R

Analyte	CAS. Number	Result	Qual	RL	MDL
alpha-BHC	319-84-6		U	2.47	0.494
beta-BHC	319-85-7		U	2.47	0.494
delta-BHC	319-86-8		U	2.47	0.494
gamma-BHC (Lindane)	58-89-9		U	2.47	0.494
Heptachlor	76-44-8		U	2.47	0.494
Aldrin	309-00-2		U	2.47	0.494
Heptachlor epoxide	1024-57-3		U	2.47	0.494
Endosulfan I	959-98-8		U	2.47	0.494
Dieldrin	60-57-1		U	2.47	0.494
4,4'-DDE	72-55-9	100	I	2.47	0.494
Endrin	72-20-8		U	2.47	0.494
Endosulfan II	33213-65-9		U	2.47	0.494

Report Number: **L0510264**
Report Date : **October 24, 2005**

Sample Number: **L0510264-01**
Client ID: **41-BG1-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198689**
Collect Date: **10/12/2005 13:25**
Sample Tag: **CF01**

Prep Method: **3550B**
Analytical Method: **8081A**
Analyst: **ECL**
Dilution: **1**
Units: **ug/kg**
Percent Solid: **65.8**

Instrument: **HP9**
Prep Date: **10/14/2005 08:30**
Cal Date: **10/13/2005 21:39**
Run Date: **10/14/2005 17:55**
File ID: **9G32675.R**

Analyte	CAS. Number	Result	Qual	RL	MDL
4,4'-DDD	72-54-8	18.0		2.47	0.494
Endosulfan sulfate	1031-07-8		U	2.47	0.494
4,4'-DDT	50-29-3	662	I	2.47	0.494
Methoxychlor	72-43-5		U	2.47	0.494
Endrin ketone	53494-70-5		U	2.47	0.494
Endrin aldehyde	7421-93-4		U	2.47	0.494
alpha Chlordane	5103-71-9	0.556	J	2.47	0.494
gamma Chlordane	5103-74-2	0.761	J	2.47	0.494
Toxaphene	8001-35-2		U	49.4	25.0

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-m-xylene	73.6	39	130	
Decachlorobiphenyl	97.7	33	143	

I Semiquantitative result (out of instrument calibration range)
J The analyte was positively identified, but the quantitation was below the RL
U Not detected at or above adjusted sample detection limit

Sample Number: **L0510264-01**
Client ID: **41-BG1-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198689**
Collect Date: **10/12/2005 13:25**
Sample Tag: **CFDL1**

Prep Method: **3550B**
Analytical Method: **8081A**
Analyst: **ECL**
Dilution: **10**
Units: **ug/kg**
Percent Solid: **65.8**

Instrument: **HP15**
Prep Date: **10/14/2005 08:30**
Cal Date: **10/03/2005 18:47**
Run Date: **10/19/2005 12:56**
File ID: **15G3483.R**

Analyte	CAS. Number	Result	Qual	RL	MDL
4,4'-DDT	50-29-3	630		24.7	4.94

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-m-xylene	73.2	39	130	
Decachlorobiphenyl	118	33	143	

Sample Number: **L0510264-01**
Client ID: **41-BG1-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198689**
Collect Date: **10/12/2005 13:25**
Sample Tag: **DL01**

Prep Method: **3550B**
Analytical Method: **8081A**
Analyst: **ECL**
Dilution: **10**
Units: **ug/kg**
Percent Solid: **65.8**

Instrument: **HP15**
Prep Date: **10/14/2005 08:30**
Cal Date: **10/03/2005 18:47**
Run Date: **10/19/2005 12:29**
File ID: **15G3483.F**

Analyte	CAS. Number	Result	Qual	RL	MDL
4,4'-DDT	50-29-3	621		24.7	4.94

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-m-xylene	59.4	39	130	
Decachlorobiphenyl	217	33	143	*

***** Surrogate or spike compound out of range

Report Number: **L0510264**
Report Date : **October 24, 2005**

Sample Number: **L0510264-01**
Client ID: **41-BG1-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198689**
Collect Date: **10/12/2005 13:25**
Sample Tag: **DL02**

Prep Method: **3550B**
Analytical Method: **8081A**
Analyst: **ECL**
Dilution: **10**
Units: **ug/kg**
Percent Solid: **65.8**

Instrument: **HP15**
Prep Date: **10/14/2005 08:30**
Cal Date: **10/03/2005 18:47**
Run Date: **10/19/2005 18:33**
File ID: **15G3490.F**

Analyte	CAS. Number	Result	Qual	RL	MDL
4,4'-DDE	72-55-9	80.2		24.7	4.94

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-m-xylene	54.3	39	130	
Decachlorobiphenyl	90.3	33	143	

Sample Number: **L0510264-01**
Client ID: **41-BG1-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198689**
Collect Date: **10/12/2005 13:25**
Sample Tag: **CFDL2**

Prep Method: **3550B**
Analytical Method: **8081A**
Analyst: **ECL**
Dilution: **10**
Units: **ug/kg**
Percent Solid: **65.8**

Instrument: **HP15**
Prep Date: **10/14/2005 08:30**
Cal Date: **10/03/2005 18:47**
Run Date: **10/19/2005 19:01**
File ID: **15G3490.R**

Analyte	CAS. Number	Result	Qual	RL	MDL
4,4'-DDE	72-55-9	92.2		24.7	4.94

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-m-xylene	73.3	39	130	
Decachlorobiphenyl	89.6	33	143	

Sample Number: **L0510264-01**
Client ID: **41-BG1-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198674**
Collect Date: **10/12/2005 13:25**
Sample Tag: **01**

Prep Method: **3550B**
Analytical Method: **8082**
Analyst: **ECL**
Dilution: **1**
Units: **ug/kg**
Percent Solid: **65.8**

Instrument: **HP4**
Prep Date: **10/14/2005 08:30**
Cal Date: **10/14/2005 14:26**
Run Date: **10/14/2005 23:54**
File ID: **4GF26787**

Analyte	CAS. Number	Result	Qual	RL	MDL
Aroclor-1016	12674-11-2		U	24.7	12.4
Aroclor-1221	11104-28-2		U	24.7	12.4
Aroclor-1232	11141-16-5		U	24.7	12.4
Aroclor-1242	53469-21-9		U	24.7	12.4
Aroclor-1248	12672-29-6		U	24.7	12.4
Aroclor-1254	11097-69-1		U	24.7	12.4
Aroclor-1260	11096-82-5		U	24.7	12.4

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-M-Xylene	86.8	29	133	
Decachlorobiphenyl	119	30	173	

U Not detected at or above adjusted sample detection limit

Sample Number: L0510264-01
Client ID: 41-BG1-S-1012-05
Matrix: Soil
Workgroup Number: WG198747
Collect Date: 10/12/2005 13:25
Sample Tag: 01

Prep Method: METHOD
Analytical Method: 8151A
Analyst: ECL
Dilution: 1
Units: ug/kg
Percent Solid: 65.8

Instrument: HP15
Prep Date: 10/14/2005 16:00
Cal Date: 09/20/2005 15:49
Run Date: 10/17/2005 10:08
File ID: 15G3462.F

Analyte	CAS. Number	Result	Qual	RL	MDL
2,4-D	94-75-7		U	60.0	30.0
2,4-DB	94-82-6		U	60.0	30.0
2,4,5-T	93-76-5		U	6.00	3.00
2,4,5-TP (Silvex)	93-72-1		U	4.50	2.25
Dalapon	75-99-0		U	150	75.0
Dicamba	1918-00-9		U	6.00	3.00
Dichloroprop	120-36-5		U	60.0	30.0
Dinoseb	88-85-7		U	30.0	15.0
MCPA	94-74-6		U	6000	3000
MCPP	93-65-2		U	6000	3000

Surrogate	% Recovery	Lower	Upper	Qual
2,4-Dichlorophenylacetic acid	38.9	25	110	

U Not detected at or above adjusted sample detection limit

Sample Number: L0510264-01
Client ID: 41-BG1-S-1012-05
Matrix: Soil
Workgroup Number: WG198906
Collect Date: 10/12/2005 13:25
Sample Tag: RE01

Prep Method: METHOD
Analytical Method: 8151A
Analyst: HAV
Dilution: 1
Units: ug/kg
Percent Solid: 65.8

Instrument: HP15
Prep Date: 10/18/2005 08:30
Cal Date: 09/20/2005 15:49
Run Date: 10/18/2005 19:34
File ID: 15G3475.R

Analyte	CAS. Number	Result	Qual	RL	MDL
2,4-D	94-75-7		U	60.2	30.1
2,4-DB	94-82-6		U	60.2	30.1
2,4,5-T	93-76-5		U	6.02	3.01
2,4,5-TP (Silvex)	93-72-1		U	4.51	2.26
Dalapon	75-99-0		U	150	75.2
Dicamba	1918-00-9		U	6.02	3.01
Dichloroprop	120-36-5		U	60.2	30.1
Dinoseb	88-85-7		U	30.1	15.0
MCPA	94-74-6		U	6020	3010
MCPP	93-65-2		U	6020	3010

Surrogate	% Recovery	Lower	Upper	Qual
2,4-Dichlorophenylacetic acid	72.2	25	110	

U Not detected at or above adjusted sample detection limit

Sample Number: L0510264-01
Client ID: 41-BG1-S-1012-05
Matrix: Soil
Workgroup Number: WG198807
Collect Date: 10/12/2005 13:25
Sample Tag: 01

Prep Method: 5030B
Analytical Method: 8260B
Analyst: CMS
Dilution: 1
Units: ug/kg
Percent Solid: 65.8

Instrument: HPMS11
Prep Date: 10/17/2005 23:31
Cal Date: 10/17/2005 13:39
Run Date: 10/17/2005 23:31
File ID: 11M29689

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1	175	J	213	10.6
Benzene	71-43-2		U	10.6	1.06
Bromodichloromethane	75-27-4		U	10.6	1.06
Bromoform	75-25-2		U	10.6	1.06

Report Number: **L0510264**
Report Date : **October 24, 2005**

Sample Number: **L0510264-01**
Client ID: **41-BG1-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198807**
Collect Date: **10/12/2005 13:25**
Sample Tag: **01**

Prep Method: **5030B**
Analytical Method: **8260B**
Analyst: **CMS**
Dilution: **1**
Units: **ug/kg**
Percent Solid: **65.8**

Instrument: **HPMS11**
Prep Date: **10/17/2005 23:31**
Cal Date: **10/17/2005 13:39**
Run Date: **10/17/2005 23:31**
File ID: **11M29689**

Analyte	CAS. Number	Result	Qual	RL	MDL
Bromomethane	74-83-9		U	21.3	2.13
2-Butanone	78-93-3	17.2	J	213	5.32
Carbon disulfide	75-15-0		U	10.6	1.06
Carbon tetrachloride	56-23-5		U	10.6	1.06
Chlorobenzene	108-90-7		U	10.6	1.06
Chlorodibromomethane	124-48-1		U	10.6	1.06
Chloroethane	75-00-3		U	21.3	2.13
Chloroform	67-66-3		U	10.6	1.06
Chloromethane	74-87-3		U	21.3	4.26
Cyclohexane	110-82-7		U	10.6	10.6
1,2-Dibromo-3-chloropropane	96-12-8		U	10.6	4.26
1,2-Dibromoethane	106-93-4		U	10.6	1.06
1,2-Dichlorobenzene	95-50-1		U	10.6	1.06
1,3-Dichlorobenzene	541-73-1		U	10.6	1.06
1,4-Dichlorobenzene	106-46-7		U	10.6	1.06
Dichlorodifluoromethane	75-71-8		U	21.3	2.13
1,1-Dichloroethane	75-34-3		U	10.6	2.13
1,2-Dichloroethane	107-06-2		U	10.6	1.06
1,1-Dichloroethene	75-35-4		U	10.6	1.06
cis-1,2-Dichloroethene	156-59-2		U	10.6	1.06
trans-1,2-Dichloroethene	156-60-5		U	10.6	1.06
1,2-Dichloropropane	78-87-5		U	10.6	1.06
cis-1,3-Dichloropropene	10061-01-5		U	10.6	1.06
trans-1,3-Dichloropropene	10061-02-6		U	10.6	1.06
Ethylbenzene	100-41-4		U	10.6	1.06
2-Hexanone	591-78-6		U	21.3	5.32
Isopropylbenzene	98-82-8		U	10.6	1.06
4-Methyl-2-pentanone	108-10-1		U	21.3	5.32
Methylene chloride	75-09-2		U	10.6	2.13
Styrene	100-42-5		U	10.6	1.06
1,1,2,2-Tetrachloroethane	79-34-5		U	10.6	1.06
Tetrachloroethene	127-18-4		U	10.6	1.06
Toluene	108-88-3	1.13	J	10.6	1.06
1,2,4-Trichlorobenzene	120-82-1		U	10.6	1.06
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1		U	21.3	2.13
1,1,1-Trichloroethane	71-55-6		U	10.6	1.06
1,1,2-Trichloroethane	79-00-5		U	10.6	1.06
Trichloroethene	79-01-6		U	10.6	1.06
Trichlorofluoromethane	75-69-4		U	21.3	2.13
Vinyl chloride	75-01-4		U	21.3	2.13
o-Xylene	95-47-6		U	10.6	1.06
m-,p-Xylene	136777-61-2		U	10.6	1.06
MTBE	1634-04-4		U	10.6	1.06

Report Number: **L0510264**
Report Date : **October 24, 2005**

Sample Number: **L0510264-01**
Client ID: **41-BG1-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198807**
Collect Date: **10/12/2005 13:25**
Sample Tag: **01**

Prep Method: **5030B**
Analytical Method: **8260B**
Analyst: **CMS**
Dilution: **1**
Units: **ug/kg**
Percent Solid: **65.8**

Instrument: **HPMS11**
Prep Date: **10/17/2005 23:31**
Cal Date: **10/17/2005 13:39**
Run Date: **10/17/2005 23:31**
File ID: **11M29689**

Surrogate	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	103	80	120	
1,2-Dichloroethane-d4	100	80	120	
Toluene-d8	113	81	117	
4-Bromofluorobenzene	114	74	121	

J The analyte was positively identified, but the quantitation was below the RL
U Not detected at or above adjusted sample detection limit

Sample Number: **L0510264-01**
Client ID: **41-BG1-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198740**
Collect Date: **10/12/2005 13:25**
Sample Tag: **01**

Prep Method: **3545**
Analytical Method: **8270C**
Analyst: **CLK**
Dilution: **1**
Units: **ug/kg**
Percent Solid: **65.8**

Instrument: **HPMS4**
Prep Date: **10/14/2005 08:30**
Cal Date: **10/13/2005 12:28**
Run Date: **10/14/2005 18:04**
File ID: **4M30420**

Analyte	CAS. Number	Result	Qual	RL	MDL
Phenol	108-95-2		U	240	120
Bis(2-Chloroethyl)ether	111-44-4		U	240	120
2-Chlorophenol	95-57-8		U	240	120
1,3-Dichlorobenzene	541-73-1		U	240	120
1,4-Dichlorobenzene	106-46-7		U	240	120
1,2-Dichlorobenzene	95-50-1		U	240	120
2-Methylphenol	95-48-7		U	240	120
3-,4-Methylphenol	106-44-5		U	240	120
bis(2-chloroisopropyl)ether	108-60-1		U	240	120
N-Nitrosodipropylamine	621-64-7		U	240	120
Hexachloroethane	67-72-1		U	240	120
Nitrobenzene	98-95-3		U	240	120
Isophorone	78-59-1		U	240	120
2-Nitrophenol	88-75-5		U	240	120
2,4-Dimethylphenol	105-67-9		U	240	120
Bis(2-Chloroethoxy)Methane	111-91-1		U	240	120
2,4-Dichlorophenol	120-83-2		U	240	120
1,2,4-Trichlorobenzene	120-82-1		U	240	120
Naphthalene	91-20-3		U	240	120
4-Chloroaniline	106-47-8		U	240	120
Hexachlorobutadiene	87-68-3		U	240	120
4-Chloro-3-methylphenol	59-50-7		U	240	120
2-Methylnaphthalene	91-57-6		U	240	120
Hexachlorocyclopentadiene	77-47-4		U	240	120
2,4,6-Trichlorophenol	88-06-2		U	240	120
2,4,5-Trichlorophenol	95-95-4		U	240	120
2-Chloronaphthalene	91-58-7		U	240	120
2-Nitroaniline	88-74-4		U	1200	480
Dimethylphthalate	131-11-3		U	240	120
Acenaphthylene	208-96-8		U	240	120
2,6-Dinitrotoluene	606-20-2		U	240	120
3-Nitroaniline	99-09-2		U	1200	480
Acenaphthene	83-32-9		U	240	120

Report Number: **L0510264**
Report Date : **October 24, 2005**

Sample Number: **L0510264-01**
Client ID: **41-BG1-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198740**
Collect Date: **10/12/2005 13:25**
Sample Tag: **01**

Prep Method: **3545**
Analytical Method: **8270C**
Analyst: **CLK**
Dilution: **1**
Units: **ug/kg**
Percent Solid: **65.8**

Instrument: **HPMS4**
Prep Date: **10/14/2005 08:30**
Cal Date: **10/13/2005 12:28**
Run Date: **10/14/2005 18:04**
File ID: **4M30420**

Analyte	CAS. Number	Result	Qual	RL	MDL
2,4-Dinitrophenol	51-28-5		U	1200	480
4-Nitrophenol	100-02-7		U	1200	480
Dibenzofuran	132-64-9		U	240	120
2,4-Dinitrotoluene	121-14-2		U	240	120
Diethylphthalate	84-66-2		U	240	120
4-Chlorophenyl-phenyl ether	7005-72-3		U	240	120
Fluorene	86-73-7		U	240	120
4-Nitroaniline	100-01-6		U	1200	480
4,6-Dinitro-2-methylphenol	534-52-1		U	1200	480
N-Nitrosodiphenylamine	86-30-6		U	240	120
4-Bromophenyl-phenylether	101-55-3		U	240	120
Hexachlorobenzene	118-74-1		U	240	120
Pentachlorophenol	87-86-5		U	1200	480
Phenanthrene	85-01-8		U	240	120
Anthracene	120-12-7		U	240	120
Di-N-Butylphthalate	84-74-2		U	240	120
Fluoranthene	206-44-0		U	240	120
Pyrene	129-00-0		U	240	120
Butylbenzylphthalate	85-68-7		U	240	120
3,3'-Dichlorobenzidine	91-94-1		U	480	240
Benzo(a)anthracene	56-55-3		U	240	120
Chrysene	218-01-9		U	240	120
bis(2-Ethylhexyl)phthalate	117-81-7		U	240	120
Di-n-octylphthalate	117-84-0		U	240	120
Benzo(b)fluoranthene	205-99-2		U	240	120
Benzo(k)fluoranthene	207-08-9		U	240	120
Benzo(a)pyrene	50-32-8		U	240	120
Indeno(1,2,3-cd)pyrene	193-39-5		U	240	120
Dibenzo(a,h)Anthracene	53-70-3		U	240	120
Benzo(g,h,i)Perylene	191-24-2		U	240	120
Carbazole	86-74-8		U	240	120

Surrogate	% Recovery	Lower	Upper	Qual
2-Fluorophenol	66.1	25	121	
Phenol-d5	85.2	24	113	
Nitrobenzene-d5	84.6	23	120	
2-Fluorobiphenyl	79.8	30	115	
2,4,6-Tribromophenol	80.6	19	122	
p-Terphenyl-d14	81.5	18	137	

U Not detected at or above adjusted sample detection limit

Sample Number: L0510264-01
Client ID: 41-BG1-S-1012-05
Matrix: Soil
Workgroup Number: WG198899
Collect Date: 10/12/2005 13:25
Sample Tag: REDL1

Prep Method: 3545
Analytical Method: 8270C
Analyst: CLK
Dilution: 2
Units: ug/kg
Percent Solid: 65.8

Instrument: HPMS7
Prep Date: 10/14/2005 13:45
Cal Date: 10/18/2005 20:56
Run Date: 10/19/2005 12:01
File ID: 7M26971

Analyte	CAS. Number	Result	Qual	RL	MDL
Naphthalene	91-20-3		U	15.0	7.50
Acenaphthylene	208-96-8		U	15.0	7.50
Acenaphthene	83-32-9		U	15.0	7.50
Fluorene	86-73-7		U	15.0	7.50
Phenanthrene	85-01-8	8.04	J	15.0	7.50
Anthracene	120-12-7		U	15.0	7.50
Fluoranthene	206-44-0	16.5		15.0	7.50
Pyrene	129-00-0	10.2	J	15.0	7.50
Benzo(a)anthracene	56-55-3		U	15.0	7.50
Chrysene	218-01-9		U	15.0	7.50
Benzo(b)fluoranthene	205-99-2		U	15.0	7.50
Benzo(k)fluoranthene	207-08-9		U	15.0	7.50
Benzo(a)pyrene	50-32-8		U	15.0	7.50
Indeno(1,2,3-cd)pyrene	193-39-5		U	15.0	7.50
Dibenzo(a,h)anthracene	53-70-3		U	15.0	7.50
Benzo(g,h,i)perylene	191-24-2		U	15.0	7.50
1-Methylnaphthalene	90-12-0		U	15.0	7.50
2-Methylnaphthalene	91-57-6		U	15.0	7.50

Surrogate	% Recovery	Lower	Upper	Qual
Nitrobenzene-d5	75.5	23	120	
2-Fluorobiphenyl	66.3	30	115	
p-Terphenyl-d14	60.8	18	137	

J The analyte was positively identified, but the quantitation was below the RL
U Not detected at or above adjusted sample detection limit

Sample Number: L0510264-01
Client ID: 41-BG1-S-1012-05
Matrix: Soil
Workgroup Number: WG198649
Collect Date: 10/12/2005 13:25
Sample Tag: 01

Prep Method: 3545
Analytical Method: 8270C
Analyst: CLK
Dilution: 1
Units: ug/kg
Percent Solid: 65.8

Instrument: HPMS7
Prep Date: 10/13/2005 13:08
Cal Date: 10/05/2005 11:59
Run Date: 10/14/2005 19:43
File ID: 7M26897

Analyte	CAS. Number	Result	Qual	RL	MDL
Naphthalene	91-20-3		U	7.34	3.67
Acenaphthylene	208-96-8		U	7.34	3.67
Acenaphthene	83-32-9		U	7.34	3.67
Fluorene	86-73-7		U	7.34	3.67
Phenanthrene	85-01-8	8.65		7.34	3.67
Anthracene	120-12-7		U	7.34	3.67
Fluoranthene	206-44-0	18.5		7.34	3.67
Pyrene	129-00-0	13.9		7.34	3.67
Benzo(a)anthracene	56-55-3		U	7.34	3.67
Chrysene	218-01-9		U	7.34	3.67
Benzo(b)fluoranthene	205-99-2		U	7.34	3.67
Benzo(k)fluoranthene	207-08-9		U	7.34	3.67
Benzo(a)pyrene	50-32-8	14.1		7.34	3.67
Indeno(1,2,3-cd)pyrene	193-39-5	11.6		7.34	3.67
Dibenzo(a,h)anthracene	53-70-3		U	7.34	3.67

Report Number: **L0510264**
Report Date : **October 24, 2005**

Sample Number: **L0510264-01**
Client ID: **41-BG1-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198649**
Collect Date: **10/12/2005 13:25**
Sample Tag: **01**

Prep Method: **3545**
Analytical Method: **8270C**
Analyst: **CLK**
Dilution: **1**
Units: **ug/kg**
Percent Solid: **65.8**

Instrument: **HPMS7**
Prep Date: **10/13/2005 13:08**
Cal Date: **10/05/2005 11:59**
Run Date: **10/14/2005 19:43**
File ID: **7M26897**

Analyte	CAS. Number	Result	Qual	RL	MDL
Benzo(g,h,i)perylene	191-24-2		U	7.34	3.67
1-Methylnaphthalene	90-12-0		U	7.34	3.67
2-Methylnaphthalene	91-57-6		U	7.34	3.67

Surrogate	% Recovery	Lower	Upper	Qual
Nitrobenzene-d5	98.3	23	120	
2-Fluorobiphenyl	103	30	115	
p-Terphenyl-d14	70.0	18	137	

U Not detected at or above adjusted sample detection limit

Sample Number: **L0510264-01**
Client ID: **41-BG1-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198771**
Collect Date: **10/12/2005 13:25**

Prep Method: **9045C**
Analytical Method: **9045C**
Analyst: **DR**
Dilution: **1**
Units: **UNITS**

Instrument: **ORION-710A**
Prep Date: **10/14/2005 15:20**
Cal Date:
Run Date: **10/14/2005 15:20**
File ID: **OR05101713412401**

Analyte	CAS. Number	Result	Qual	RL	MDL
Corrosivity pH		4.74			

Sample Number: **L0510264-01**
Client ID: **41-BG1-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198707**
Collect Date: **10/12/2005 13:25**

Prep Method: **D2216-90**
Analytical Method: **D2216-90**
Analyst: **TMM**
Dilution: **1**
Units: **weight %**

Instrument: **OVEN**
Prep Date: **10/14/2005 16:00**
Cal Date:
Run Date: **10/14/2005 16:00**
File ID:

Analyte	CAS. Number	Result	Qual	RL	MDL
Percent Solids	10-02-6	65.8		1.00	1.00

Sample Number: **L0510264-01**
Client ID: **41-BG1-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198635**
Collect Date: **10/12/2005 13:25**
Sample Tag: **01**

Prep Method: **3550B**
Analytical Method: **8015MOD**
Analyst: **HV**
Dilution: **1**
Units: **ug/kg**
Percent Solid: **65.8**

Instrument: **HP14**
Prep Date: **10/13/2005 13:15**
Cal Date: **10/07/2005 13:13**
Run Date: **10/13/2005 22:20**
File ID: **14G6194**

Analyte	CAS. Number	Result	Qual	RL	MDL
TRPH-Florida PRO		45700		15000	7520

Surrogate	% Recovery	Lower	Upper	Qual
o-Terphenyl	91.5	43	136	

Report Number: **L0510264**
Report Date : **October 24, 2005**

Sample Number: **L0510264-02**
Client ID: **41-BG2-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198673**
Collect Date: **10/12/2005 13:45**
Sample Tag: **01**

Prep Method: **3050B**
Analytical Method: **6010B**
Analyst: **SLP**
Dilution: **1**
Units: **mg/kg**
Percent Solid: **71.1**

Instrument: **IRIS-ICP**
Prep Date: **10/14/2005 06:30**
Cal Date: **10/17/2005 10:21**
Run Date: **10/17/2005 11:18**
File ID: **IR.101705.111800**

Analyte	CAS. Number	Result	Qual	RL	MDL
Aluminum, Total	7429-90-5	816		27.6	13.8
Silver, Total	7440-22-4		U	2.76	0.345
Arsenic, Total	7440-38-2		U	1.38	0.690
Barium, Total	7440-39-3	4.25		0.690	0.138
Beryllium, Total	7440-41-7		U	0.690	0.0166
Calcium, Total	7440-70-2	663		13.8	6.90
Cadmium, Total	7440-43-9	0.0834	J	0.690	0.0690
Cobalt, Total	7440-48-4		U	1.38	0.166
Chromium, Total	7440-47-3	1.52		1.38	0.166
Copper, Total	7440-50-8	0.956	J	1.38	0.690
Iron, Total	7439-89-6	518		2.76	1.38
Potassium, Total	7440-09-7	46.7	J	69.0	34.5
Magnesium, Total	7439-95-4	63.8		34.5	16.6
Manganese, Total	7439-96-5	6.17		0.690	0.138
Sodium, Total	7440-23-5	14.8	J	34.5	6.90
Nickel, Total	7440-02-0		U	2.76	0.690
Lead, Total	7439-92-1	12.2		6.90	0.690
Antimony, Total	7440-36-0		U	13.8	0.690
Selenium, Total	7782-49-2		U	6.90	0.690
Vanadium, Total	7440-62-2	3.18		0.690	0.345
Zinc, Total	7440-66-6	8.07		1.38	0.690

J The analyte was positively identified, but the quantitation was below the RL
U Not detected at or above adjusted sample detection limit

Sample Number: **L0510264-02**
Client ID: **41-BG2-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198754**
Collect Date: **10/12/2005 13:45**
Sample Tag: **01**

Prep Method: **METHOD**
Analytical Method: **7471A**
Analyst: **CRC**
Dilution: **1**
Units: **mg/kg**
Percent Solid: **71.1**

Instrument: **HYDRA**
Prep Date: **10/14/2005 12:30**
Cal Date: **10/17/2005 11:42**
Run Date: **10/17/2005 12:01**
File ID: **HY.101705.120127**

Analyte	CAS. Number	Result	Qual	RL	MDL
Mercury, Total	7439-97-6	0.0237	J	0.352	0.0141

J The analyte was positively identified, but the quantitation was below the RL

Sample Number: L0510264-02
Client ID: 41-BG2-S-1012-05
Matrix: Soil
Workgroup Number: WG198689
Collect Date: 10/12/2005 13:45
Sample Tag: CF01

Prep Method: 3550B
Analytical Method: 8081A
Analyst: ECL
Dilution: 1
Units: ug/kg
Percent Solid: 71.1

Instrument: HP9
Prep Date: 10/14/2005 08:30
Cal Date: 10/13/2005 21:39
Run Date: 10/14/2005 18:23
File ID: 9G32676.R

Analyte	CAS. Number	Result	Qual	RL	MDL
alpha-BHC	319-84-6		U	2.28	0.455
beta-BHC	319-85-7		U	2.28	0.455
delta-BHC	319-86-8		U	2.28	0.455
gamma-BHC (Lindane)	58-89-9		U	2.28	0.455
Heptachlor	76-44-8		U	2.28	0.455
Aldrin	309-00-2		U	2.28	0.455
Heptachlor epoxide	1024-57-3		U	2.28	0.455
Endosulfan I	959-98-8		U	2.28	0.455
Dieldrin	60-57-1		U	2.28	0.455
4,4'-DDE	72-55-9	14.8		2.28	0.455
Endrin	72-20-8		U	2.28	0.455
Endosulfan II	33213-65-9		U	2.28	0.455
4,4'-DDD	72-54-8		U	2.28	0.455
Endosulfan sulfate	1031-07-8		U	2.28	0.455
4,4'-DDT	50-29-3	26.2		2.28	0.455
Methoxychlor	72-43-5		U	2.28	0.455
Endrin ketone	53494-70-5		U	2.28	0.455
Endrin aldehyde	7421-93-4		U	2.28	0.455
alpha Chlordane	5103-71-9		U	2.28	0.455
gamma Chlordane	5103-74-2		U	2.28	0.455
Toxaphene	8001-35-2		U	45.5	23.0

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-m-xylene	69.1	39	130	
Decachlorobiphenyl	99.1	33	143	

U Not detected at or above adjusted sample detection limit

Sample Number: L0510264-02
Client ID: 41-BG2-S-1012-05
Matrix: Soil
Workgroup Number: WG198689
Collect Date: 10/12/2005 13:45
Sample Tag: 01

Prep Method: 3550B
Analytical Method: 8081A
Analyst: ECL
Dilution: 1
Units: ug/kg
Percent Solid: 71.1

Instrument: HP9
Prep Date: 10/14/2005 08:30
Cal Date: 10/13/2005 21:39
Run Date: 10/14/2005 17:55
File ID: 9G32676.F

Analyte	CAS. Number	Result	Qual	RL	MDL
alpha-BHC	319-84-6		U	2.28	0.455
beta-BHC	319-85-7		U	2.28	0.455
delta-BHC	319-86-8		U	2.28	0.455
gamma-BHC (Lindane)	58-89-9		U	2.28	0.455
Heptachlor	76-44-8		U	2.28	0.455
Aldrin	309-00-2		U	2.28	0.455
Heptachlor epoxide	1024-57-3		U	2.28	0.455
Endosulfan I	959-98-8		U	2.28	0.455
Dieldrin	60-57-1		U	2.28	0.455
4,4'-DDE	72-55-9	12.9		2.28	0.455
Endrin	72-20-8		U	2.28	0.455
Endosulfan II	33213-65-9		U	2.28	0.455
4,4'-DDD	72-54-8		U	2.28	0.455
Endosulfan sulfate	1031-07-8		U	2.28	0.455

Sample Number: L0510264-02
Client ID: 41-BG2-S-1012-05
Matrix: Soil
Workgroup Number: WG198689
Collect Date: 10/12/2005 13:45
Sample Tag: 01

Prep Method: 3550B
Analytical Method: 8081A
Analyst: ECL
Dilution: 1
Units: ug/kg
Percent Solid: 71.1

Instrument: HP9
Prep Date: 10/14/2005 08:30
Cal Date: 10/13/2005 21:39
Run Date: 10/14/2005 17:55
File ID: 9G32676.F

Analyte	CAS. Number	Result	Qual	RL	MDL
4,4'-DDT	50-29-3	25.4		2.28	0.455
Methoxychlor	72-43-5		U	2.28	0.455
Endrin ketone	53494-70-5		U	2.28	0.455
Endrin aldehyde	7421-93-4		U	2.28	0.455
alpha Chlordane	5103-71-9		U	2.28	0.455
gamma Chlordane	5103-74-2		U	2.28	0.455
Toxaphene	8001-35-2		U	45.5	23.0

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-m-xylene	68.3	39	130	
Decachlorobiphenyl	114	33	143	

U Not detected at or above adjusted sample detection limit

Sample Number: L0510264-02
Client ID: 41-BG2-S-1012-05
Matrix: Soil
Workgroup Number: WG198689
Collect Date: 10/12/2005 13:45
Sample Tag: CF02

Prep Method: 3550B
Analytical Method: 8081A
Analyst: ECL
Dilution: 1
Units: ug/kg
Percent Solid: 71.1

Instrument: HP15
Prep Date: 10/14/2005 08:30
Cal Date: 10/03/2005 18:47
Run Date: 10/19/2005 12:29
File ID: 15G3482.R

Analyte	CAS. Number	Result	Qual	RL	MDL
4,4'-DDT	50-29-3	34.0		2.28	0.455

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-m-xylene	78.6	39	130	
Decachlorobiphenyl	144	33	143	*

* Surrogate or spike compound out of range

Sample Number: L0510264-02
Client ID: 41-BG2-S-1012-05
Matrix: Soil
Workgroup Number: WG198689
Collect Date: 10/12/2005 13:45
Sample Tag: C103

Prep Method: 3550B
Analytical Method: 8081A
Analyst: ECL
Dilution: 1
Units: ug/kg
Percent Solid: 71.1

Instrument: HP15
Prep Date: 10/14/2005 08:30
Cal Date: 10/03/2005 18:47
Run Date: 10/19/2005 18:05
File ID: 15G3489.F

Analyte	CAS. Number	Result	Qual	RL	MDL
alpha-BHC	319-84-6		U	2.28	0.455
beta-BHC	319-85-7		U	2.28	0.455
delta-BHC	319-86-8		U	2.28	0.455
gamma-BHC (Lindane)	58-89-9		U	2.28	0.455
Heptachlor	76-44-8		U	2.28	0.455
Aldrin	309-00-2		U	2.28	0.455
Heptachlor epoxide	1024-57-3		U	2.28	0.455
Endosulfan I	959-98-8		U	2.28	0.455
Dieldrin	60-57-1		U	2.28	0.455
4,4'-DDE	72-55-9	13.8		2.28	0.455
Endrin	72-20-8		U	2.28	0.455
Endosulfan II	33213-65-9		U	2.28	0.455
4,4'-DDD	72-54-8	4.48		2.28	0.455
Endosulfan sulfate	1031-07-8		U	2.28	0.455

Report Number: **L0510264**
Report Date : **October 24, 2005**

Sample Number: **L0510264-02**
Client ID: **41-BG2-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198689**
Collect Date: **10/12/2005 13:45**
Sample Tag: **C103**

Prep Method: **3550B**
Analytical Method: **8081A**
Analyst: **ECL**
Dilution: **1**
Units: **ug/kg**
Percent Solid: **71.1**

Instrument: **HP15**
Prep Date: **10/14/2005 08:30**
Cal Date: **10/03/2005 18:47**
Run Date: **10/19/2005 18:05**
File ID: **15G3489.F**

Analyte	CAS. Number	Result	Qual	RL	MDL
4,4'-DDT	50-29-3	29.1		2.28	0.455
Methoxychlor	72-43-5		U	2.28	0.455
Endrin ketone	53494-70-5		U	2.28	0.455
Endrin aldehyde	7421-93-4		U	2.28	0.455
alpha Chlordane	5103-71-9		U	2.28	0.455
gamma Chlordane	5103-74-2		U	2.28	0.455
Toxaphene	8001-35-2		U	45.5	23.0

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-m-xylene	74.5	39	130	
Decachlorobiphenyl	211	33	143	*

* Surrogate or spike compound out of range
U Not detected at or above adjusted sample detection limit

Sample Number: **L0510264-02**
Client ID: **41-BG2-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198689**
Collect Date: **10/12/2005 13:45**
Sample Tag: **C203**

Prep Method: **3550B**
Analytical Method: **8081A**
Analyst: **ECL**
Dilution: **1**
Units: **ug/kg**
Percent Solid: **71.1**

Instrument: **HP15**
Prep Date: **10/14/2005 08:30**
Cal Date: **10/03/2005 18:47**
Run Date: **10/19/2005 18:33**
File ID: **15G3489.R**

Analyte	CAS. Number	Result	Qual	RL	MDL
alpha-BHC	319-84-6		U	2.28	0.455
beta-BHC	319-85-7		U	2.28	0.455
delta-BHC	319-86-8		U	2.28	0.455
gamma-BHC (Lindane)	58-89-9		U	2.28	0.455
Heptachlor	76-44-8		U	2.28	0.455
Aldrin	309-00-2		U	2.28	0.455
Heptachlor epoxide	1024-57-3		U	2.28	0.455
Endosulfan I	959-98-8		U	2.28	0.455
Dieldrin	60-57-1		U	2.28	0.455
4,4'-DDE	72-55-9	16.0		2.28	0.455
Endrin	72-20-8		U	2.28	0.455
Endosulfan II	33213-65-9		U	2.28	0.455
4,4'-DDD	72-54-8	1.14	J	2.28	0.455
Endosulfan sulfate	1031-07-8		U	2.28	0.455
4,4'-DDT	50-29-3	34.2		2.28	0.455
Methoxychlor	72-43-5		U	2.28	0.455
Endrin ketone	53494-70-5		U	2.28	0.455
Endrin aldehyde	7421-93-4		U	2.28	0.455
alpha Chlordane	5103-71-9		U	2.28	0.455
gamma Chlordane	5103-74-2		U	2.28	0.455
Toxaphene	8001-35-2		U	45.5	23.0

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-m-xylene	85.4	39	130	
Decachlorobiphenyl	139	33	143	

J The analyte was positively identified, but the quantitation was below the RL
U Not detected at or above adjusted sample detection limit

Sample Number: L0510264-02
Client ID: 41-BG2-S-1012-05
Matrix: Soil
Workgroup Number: WG198674
Collect Date: 10/12/2005 13:45
Sample Tag: 01

Prep Method: 3550B
Analytical Method: 8082
Analyst: ECL
Dilution: 1
Units: ug/kg
Percent Solid: 71.1

Instrument: HP4
Prep Date: 10/14/2005 08:30
Cal Date: 10/14/2005 14:26
Run Date: 10/15/2005 00:13
File ID: 4GF26788

Analyte	CAS. Number	Result	Qual	RL	MDL
Aroclor-1016	12674-11-2		U	22.8	11.4
Aroclor-1221	11104-28-2		U	22.8	11.4
Aroclor-1232	11141-16-5		U	22.8	11.4
Aroclor-1242	53469-21-9		U	22.8	11.4
Aroclor-1248	12672-29-6		U	22.8	11.4
Aroclor-1254	11097-69-1		U	22.8	11.4
Aroclor-1260	11096-82-5		U	22.8	11.4

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-M-Xylene	85.9	29	133	
Decachlorobiphenyl	132	30	173	

U Not detected at or above adjusted sample detection limit

Sample Number: L0510264-02
Client ID: 41-BG2-S-1012-05
Matrix: Soil
Workgroup Number: WG198747
Collect Date: 10/12/2005 13:45
Sample Tag: 01

Prep Method: METHOD
Analytical Method: 8151A
Analyst: ECL
Dilution: 1
Units: ug/kg
Percent Solid: 71.1

Instrument: HP15
Prep Date: 10/14/2005 16:00
Cal Date: 09/20/2005 15:49
Run Date: 10/17/2005 10:35
File ID: 15G3463.F

Analyte	CAS. Number	Result	Qual	RL	MDL
2,4-D	94-75-7		U	56.3	28.2
2,4-DB	94-82-6		U	56.3	28.2
2,4,5-T	93-76-5		U	5.63	2.82
2,4,5-TP (Silvex)	93-72-1		U	4.22	2.11
Dalapon	75-99-0		U	141	70.4
Dicamba	1918-00-9		U	5.63	2.82
Dichloroprop	120-36-5		U	56.3	28.2
Dinoseb	88-85-7		U	28.2	14.1
MCPA	94-74-6		U	5630	2820
MCPP	93-65-2		U	5630	2820

Surrogate	% Recovery	Lower	Upper	Qual
2,4-Dichlorophenylacetic acid	43.6	25	110	

U Not detected at or above adjusted sample detection limit

Sample Number: L0510264-02
Client ID: 41-BG2-S-1012-05
Matrix: Soil
Workgroup Number: WG198906
Collect Date: 10/12/2005 13:45
Sample Tag: RE01

Prep Method: METHOD
Analytical Method: 8151A
Analyst: HAV
Dilution: 1
Units: ug/kg
Percent Solid: 71.1

Instrument: HP15
Prep Date: 10/18/2005 08:30
Cal Date: 09/20/2005 15:49
Run Date: 10/18/2005 20:01
File ID: 15G3476.R

Analyte	CAS. Number	Result	Qual	RL	MDL
2,4-D	94-75-7		U	55.8	27.9
2,4-DB	94-82-6		U	55.8	27.9
2,4,5-T	93-76-5		U	5.58	2.79
2,4,5-TP (Silvex)	93-72-1		U	4.18	2.09
Dalapon	75-99-0		U	139	69.7
Dicamba	1918-00-9		U	5.58	2.79

Sample Number: L0510264-02
Client ID: 41-BG2-S-1012-05
Matrix: Soil
Workgroup Number: WG198906
Collect Date: 10/12/2005 13:45
Sample Tag: RE01

Prep Method: METHOD
Analytical Method: 8151A
Analyst: HAV
Dilution: 1
Units: ug/kg
Percent Solid: 71.1

Instrument: HP15
Prep Date: 10/18/2005 08:30
Cal Date: 09/20/2005 15:49
Run Date: 10/18/2005 20:01
File ID: 15G3476.R

Analyte	CAS. Number	Result	Qual	RL	MDL
Dichloroprop	120-36-5		U	55.8	27.9
Dinoseb	88-85-7		U	27.9	13.9
MCPA	94-74-6		U	5580	2790
MCPP	93-65-2		U	5580	2790

Surrogate	% Recovery	Lower	Upper	Qual
2,4-Dichlorophenylacetic acid	51.1	25	110	

U Not detected at or above adjusted sample detection limit

Sample Number: L0510264-02
Client ID: 41-BG2-S-1012-05
Matrix: Soil
Workgroup Number: WG198807
Collect Date: 10/12/2005 13:45
Sample Tag: 01

Prep Method: 5030B
Analytical Method: 8260B
Analyst: CMS
Dilution: 1
Units: ug/kg
Percent Solid: 71.1

Instrument: HPMS11
Prep Date: 10/18/2005 00:03
Cal Date: 10/17/2005 13:39
Run Date: 10/18/2005 00:03
File ID: 11M29690

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1	142	J	150	7.51
Benzene	71-43-2		U	7.51	0.751
Bromodichloromethane	75-27-4		U	7.51	0.751
Bromoform	75-25-2		U	7.51	0.751
Bromomethane	74-83-9		U	15.0	1.50
2-Butanone	78-93-3	27.1	J	150	3.76
Carbon disulfide	75-15-0		U	7.51	0.751
Carbon tetrachloride	56-23-5		U	7.51	0.751
Chlorobenzene	108-90-7		U	7.51	0.751
Chlorodibromomethane	124-48-1		U	7.51	0.751
Chloroethane	75-00-3		U	15.0	1.50
Chloroform	67-66-3		U	7.51	0.751
Chloromethane	74-87-3		U	15.0	3.01
Cyclohexane	110-82-7		U	7.51	7.51
1,2-Dibromo-3-chloropropane	96-12-8		U	7.51	3.01
1,2-Dibromoethane	106-93-4		U	7.51	0.751
1,2-Dichlorobenzene	95-50-1		U	7.51	0.751
1,3-Dichlorobenzene	541-73-1		U	7.51	0.751
1,4-Dichlorobenzene	106-46-7		U	7.51	0.751
Dichlorodifluoromethane	75-71-8		U	15.0	1.50
1,1-Dichloroethane	75-34-3		U	7.51	1.50
1,2-Dichloroethane	107-06-2		U	7.51	0.751
1,1-Dichloroethene	75-35-4		U	7.51	0.751
cis-1,2-Dichloroethene	156-59-2		U	7.51	0.751
trans-1,2-Dichloroethene	156-60-5		U	7.51	0.751
1,2-Dichloropropane	78-87-5		U	7.51	0.751
cis-1,3-Dichloropropene	10061-01-5		U	7.51	0.751
trans-1,3-Dichloropropene	10061-02-6		U	7.51	0.751
Ethylbenzene	100-41-4		U	7.51	0.751
2-Hexanone	591-78-6		U	15.0	3.76
Isopropylbenzene	98-82-8		U	7.51	0.751
4-Methyl-2-pentanone	108-10-1		U	15.0	3.76

Report Number: **L0510264**
Report Date : **October 24, 2005**

Sample Number: **L0510264-02**
Client ID: **41-BG2-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198807**
Collect Date: **10/12/2005 13:45**
Sample Tag: **01**

Prep Method: **5030B**
Analytical Method: **8260B**
Analyst: **CMS**
Dilution: **1**
Units: **ug/kg**
Percent Solid: **71.1**

Instrument: **HPMS11**
Prep Date: **10/18/2005 00:03**
Cal Date: **10/17/2005 13:39**
Run Date: **10/18/2005 00:03**
File ID: **11M29690**

Analyte	CAS. Number	Result	Qual	RL	MDL
Methylene chloride	75-09-2		U	7.51	1.50
Styrene	100-42-5		U	7.51	0.751
1,1,2,2-Tetrachloroethane	79-34-5		U	7.51	0.751
Tetrachloroethene	127-18-4		U	7.51	0.751
Toluene	108-88-3		U	7.51	0.751
1,2,4-Trichlorobenzene	120-82-1		U	7.51	0.751
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1		U	15.0	1.50
1,1,1-Trichloroethane	71-55-6		U	7.51	0.751
1,1,2-Trichloroethane	79-00-5		U	7.51	0.751
Trichloroethene	79-01-6		U	7.51	0.751
Trichlorofluoromethane	75-69-4		U	15.0	1.50
Vinyl chloride	75-01-4		U	15.0	1.50
o-Xylene	95-47-6		U	7.51	0.751
m-,p-Xylene	136777-61-2		U	7.51	0.751
MTBE	1634-04-4		U	7.51	0.751

Surrogate	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	100	80	120	
1,2-Dichloroethane-d4	96.4	80	120	
Toluene-d8	110	81	117	
4-Bromofluorobenzene	112	74	121	

J The analyte was positively identified, but the quantitation was below the RL
U Not detected at or above adjusted sample detection limit

Sample Number: **L0510264-02**
Client ID: **41-BG2-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198740**
Collect Date: **10/12/2005 13:45**
Sample Tag: **DL01**

Prep Method: **3545**
Analytical Method: **8270C**
Analyst: **CLK**
Dilution: **2**
Units: **ug/kg**
Percent Solid: **71.1**

Instrument: **HPMS4**
Prep Date: **10/14/2005 08:30**
Cal Date: **10/13/2005 12:28**
Run Date: **10/14/2005 18:39**
File ID: **4M30421**

Analyte	CAS. Number	Result	Qual	RL	MDL
Phenol	108-95-2		U	446	223
Bis(2-Chloroethyl)ether	111-44-4		U	446	223
2-Chlorophenol	95-57-8		U	446	223
1,3-Dichlorobenzene	541-73-1		U	446	223
1,4-Dichlorobenzene	106-46-7		U	446	223
1,2-Dichlorobenzene	95-50-1		U	446	223
2-Methylphenol	95-48-7		U	446	223
3-,4-Methylphenol	106-44-5		U	446	223
bis(2-chloroisopropyl)ether	108-60-1		U	446	223
N-Nitrosodipropylamine	621-64-7		U	446	223
Hexachloroethane	67-72-1		U	446	223
Nitrobenzene	98-95-3		U	446	223
Isophorone	78-59-1		U	446	223
2-Nitrophenol	88-75-5		U	446	223
2,4-Dimethylphenol	105-67-9		U	446	223
Bis(2-Chloroethoxy)Methane	111-91-1		U	446	223
2,4-Dichlorophenol	120-83-2		U	446	223

Report Number: **L0510264**
Report Date : **October 24, 2005**

Sample Number: **L0510264-02**
Client ID: **41-BG2-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198740**
Collect Date: **10/12/2005 13:45**
Sample Tag: **DL01**

Prep Method: **3545**
Analytical Method: **8270C**
Analyst: **CLK**
Dilution: **2**
Units: **ug/kg**
Percent Solid: **71.1**

Instrument: **HPMS4**
Prep Date: **10/14/2005 08:30**
Cal Date: **10/13/2005 12:28**
Run Date: **10/14/2005 18:39**
File ID: **4M30421**

Analyte	CAS. Number	Result	Qual	RL	MDL
1,2,4-Trichlorobenzene	120-82-1		U	446	223
Naphthalene	91-20-3		U	446	223
4-Chloroaniline	106-47-8		U	446	223
Hexachlorobutadiene	87-68-3		U	446	223
4-Chloro-3-methylphenol	59-50-7		U	446	223
2-Methylnaphthalene	91-57-6		U	446	223
Hexachlorocyclopentadiene	77-47-4		U	446	223
2,4,6-Trichlorophenol	88-06-2		U	446	223
2,4,5-Trichlorophenol	95-95-4		U	446	223
2-Chloronaphthalene	91-58-7		U	446	223
2-Nitroaniline	88-74-4		U	2230	893
Dimethylphthalate	131-11-3		U	446	223
Acenaphthylene	208-96-8		U	446	223
2,6-Dinitrotoluene	606-20-2		U	446	223
3-Nitroaniline	99-09-2		U	2230	893
Acenaphthene	83-32-9		U	446	223
2,4-Dinitrophenol	51-28-5		U	2230	893
4-Nitrophenol	100-02-7		U	2230	893
Dibenzofuran	132-64-9		U	446	223
2,4-Dinitrotoluene	121-14-2		U	446	223
Diethylphthalate	84-66-2		U	446	223
4-Chlorophenyl-phenyl ether	7005-72-3		U	446	223
Fluorene	86-73-7		U	446	223
4-Nitroaniline	100-01-6		U	2230	893
4,6-Dinitro-2-methylphenol	534-52-1		U	2230	893
N-Nitrosodiphenylamine	86-30-6		U	446	223
4-Bromophenyl-phenylether	101-55-3		U	446	223
Hexachlorobenzene	118-74-1		U	446	223
Pentachlorophenol	87-86-5		U	2230	893
Phenanthrene	85-01-8		U	446	223
Anthracene	120-12-7		U	446	223
Di-N-Butylphthalate	84-74-2		U	446	223
Fluoranthene	206-44-0		U	446	223
Pyrene	129-00-0		U	446	223
Butylbenzylphthalate	85-68-7		U	446	223
3,3'-Dichlorobenzidine	91-94-1		U	893	446
Benzo(a)anthracene	56-55-3		U	446	223
Chrysene	218-01-9		U	446	223
bis(2-Ethylhexyl)phthalate	117-81-7		U	446	223
Di-n-octylphthalate	117-84-0		U	446	223
Benzo(b)fluoranthene	205-99-2		U	446	223
Benzo(k)fluoranthene	207-08-9		U	446	223
Benzo(a)pyrene	50-32-8		U	446	223
Indeno(1,2,3-cd)pyrene	193-39-5		U	446	223
Dibenzo(a,h)Anthracene	53-70-3		U	446	223
Benzo(g,h,i)Perylene	191-24-2		U	446	223
Carbazole	86-74-8		U	446	223

Report Number: **L0510264**
Report Date : **October 24, 2005**

Sample Number: **L0510264-02**
Client ID: **41-BG2-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198740**
Collect Date: **10/12/2005 13:45**
Sample Tag: **DL01**

Prep Method: **3545**
Analytical Method: **8270C**
Analyst: **CLK**
Dilution: **2**
Units: **ug/kg**
Percent Solid: **71.1**

Instrument: **HPMS4**
Prep Date: **10/14/2005 08:30**
Cal Date: **10/13/2005 12:28**
Run Date: **10/14/2005 18:39**
File ID: **4M30421**

Surrogate	% Recovery	Lower	Upper	Qual
2-Fluorophenol	78.4	25	121	
Phenol-d5	97.2	24	113	
Nitrobenzene-d5	94.6	23	120	
2-Fluorobiphenyl	94.0	30	115	
2,4,6-Tribromophenol	93.8	19	122	
p-Terphenyl-d14	90.7	18	137	

U Not detected at or above adjusted sample detection limit

Sample Number: **L0510264-02**
Client ID: **41-BG2-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198899**
Collect Date: **10/12/2005 13:45**
Sample Tag: **REDL1**

Prep Method: **3545**
Analytical Method: **8270C**
Analyst: **CLK**
Dilution: **10**
Units: **ug/kg**
Percent Solid: **71.1**

Instrument: **HPMS7**
Prep Date: **10/14/2005 13:45**
Cal Date: **10/18/2005 20:56**
Run Date: **10/19/2005 12:27**
File ID: **7M26972**

Analyte	CAS. Number	Result	Qual	RL	MDL
Naphthalene	91-20-3		U	70.3	35.2
Acenaphthylene	208-96-8	57.2	J	70.3	35.2
Acenaphthene	83-32-9		U	70.3	35.2
Fluorene	86-73-7		U	70.3	35.2
Phenanthrene	85-01-8	44.9	J	70.3	35.2
Anthracene	120-12-7		U	70.3	35.2
Fluoranthene	206-44-0	113		70.3	35.2
Pyrene	129-00-0	115		70.3	35.2
Benzo(a)anthracene	56-55-3		U	70.3	35.2
Chrysene	218-01-9		U	70.3	35.2
Benzo(b)fluoranthene	205-99-2	163		70.3	35.2
Benzo(k)fluoranthene	207-08-9	38.5	J	70.3	35.2
Benzo(a)pyrene	50-32-8	101		70.3	35.2
Indeno(1,2,3-cd)pyrene	193-39-5		U	70.3	35.2
Dibenzo(a,h)anthracene	53-70-3		U	70.3	35.2
Benzo(g,h,i)perylene	191-24-2		U	70.3	35.2
1-Methylnaphthalene	90-12-0		U	70.3	35.2
2-Methylnaphthalene	91-57-6		U	70.3	35.2

Surrogate	% Recovery	Lower	Upper	Qual
Nitrobenzene-d5	129	23	120	*
2-Fluorobiphenyl	136	30	115	*
p-Terphenyl-d14	67.9	18	137	

*** Surrogate or spike compound out of range**
J The analyte was positively identified, but the quantitation was below the RL
U Not detected at or above adjusted sample detection limit

Report Number: **L0510264**
Report Date : **October 24, 2005**

Sample Number: **L0510264-02**
Client ID: **41-BG2-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198649**
Collect Date: **10/12/2005 13:45**
Sample Tag: **DL01**

Prep Method: **3545**
Analytical Method: **8270C**
Analyst: **CLK**
Dilution: **10**
Units: **ug/kg**
Percent Solid: **71.1**

Instrument: **HPMS7**
Prep Date: **10/13/2005 13:08**
Cal Date: **10/05/2005 11:59**
Run Date: **10/14/2005 18:50**
File ID: **7M26895**

Analyte	CAS. Number	Result	Qual	RL	MDL
Naphthalene	91-20-3		U	68.8	34.4
Acenaphthylene	208-96-8	58.7	J	68.8	34.4
Acenaphthene	83-32-9		U	68.8	34.4
Fluorene	86-73-7		U	68.8	34.4
Phenanthrene	85-01-8	121		68.8	34.4
Anthracene	120-12-7		U	68.8	34.4
Fluoranthene	206-44-0	245		68.8	34.4
Pyrene	129-00-0	217		68.8	34.4
Benzo(a)anthracene	56-55-3	87.2		68.8	34.4
Chrysene	218-01-9	129		68.8	34.4
Benzo(b)fluoranthene	205-99-2	204		68.8	34.4
Benzo(k)fluoranthene	207-08-9	60.7	J	68.8	34.4
Benzo(a)pyrene	50-32-8	129		68.8	34.4
Indeno(1,2,3-cd)pyrene	193-39-5	101		68.8	34.4
Dibenzo(a,h)anthracene	53-70-3		U	68.8	34.4
Benzo(g,h,i)perylene	191-24-2	127		68.8	34.4
1-Methylnaphthalene	90-12-0		U	68.8	34.4
2-Methylnaphthalene	91-57-6		U	68.8	34.4

Surrogate	% Recovery	Lower	Upper	Qual
Nitrobenzene-d5	80.6	23	120	
2-Fluorobiphenyl	85.7	30	115	
p-Terphenyl-d14	65.5	18	137	

J The analyte was positively identified, but the quantitation was below the RL
U Not detected at or above adjusted sample detection limit

Sample Number: **L0510264-02**
Client ID: **41-BG2-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198771**
Collect Date: **10/12/2005 13:45**

Prep Method: **9045C**
Analytical Method: **9045C**
Analyst: **DR**
Dilution: **1**
Units: **UNITS**

Instrument: **ORION-710A**
Prep Date: **10/14/2005 15:20**
Cal Date:
Run Date: **10/14/2005 15:20**
File ID: **OR05101713412402**

Analyte	CAS. Number	Result	Qual	RL	MDL
Corrosivity pH		4.49			

Report Number: **L0510264**
Report Date : **October 24, 2005**

Sample Number: **L0510264-02**
Client ID: **41-BG2-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198707**
Collect Date: **10/12/2005 13:45**

Prep Method: **D2216-90**
Analytical Method: **D2216-90**
Analyst: **TMM**
Dilution: **1**
Units: **weight %**

Instrument: **OVEN**
Prep Date: **10/14/2005 16:00**
Cal Date:
Run Date: **10/14/2005 16:00**
File ID:

Analyte	CAS. Number	Result	Qual	RL	MDL
Percent Solids	10-02-6	71.1		1.00	1.00

Sample Number: **L0510264-02**
Client ID: **41-BG2-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198635**
Collect Date: **10/12/2005 13:45**
Sample Tag: **01**

Prep Method: **3550B**
Analytical Method: **8015MOD**
Analyst: **HV**
Dilution: **1**
Units: **ug/kg**
Percent Solid: **71.1**

Instrument: **HP14**
Prep Date: **10/13/2005 13:15**
Cal Date: **10/07/2005 13:13**
Run Date: **10/13/2005 22:54**
File ID: **14G6195**

Analyte	CAS. Number	Result	Qual	RL	MDL
TRPH-Florida PRO		63800		13900	6950

Surrogate	% Recovery	Lower	Upper	Qual
o-Terphenyl	112	43	136	

Sample Number: **L0510264-03**
Client ID: **41-BF2-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198673**
Collect Date: **10/12/2005 15:25**
Sample Tag: **01**

Prep Method: **3050B**
Analytical Method: **6010B**
Analyst: **SLP**
Dilution: **1**
Units: **mg/kg**
Percent Solid: **91.3**

Instrument: **IRIS-ICP**
Prep Date: **10/14/2005 06:30**
Cal Date: **10/14/2005 09:31**
Run Date: **10/14/2005 14:46**
File ID: **IR.101405.144600**

Analyte	CAS. Number	Result	Qual	RL	MDL
Aluminum, Total	7429-90-5	2680		21.9	11.0
Silver, Total	7440-22-4		U	2.19	0.274
Arsenic, Total	7440-38-2		U	1.10	0.548
Barium, Total	7440-39-3	1.35		0.548	0.110
Beryllium, Total	7440-41-7	0.0214	J	0.548	0.0131
Calcium, Total	7440-70-2	23.0		11.0	5.48
Cadmium, Total	7440-43-9	0.0630	J	0.548	0.0548
Cobalt, Total	7440-48-4	0.226	J	1.10	0.131
Chromium, Total	7440-47-3	2.15		1.10	0.131
Copper, Total	7440-50-8		U	1.10	0.548
Iron, Total	7439-89-6	288		2.19	1.10
Potassium, Total	7440-09-7		U	54.8	27.4
Magnesium, Total	7439-95-4	21.3	J	27.4	13.1
Manganese, Total	7439-96-5	2.50		0.548	0.110
Sodium, Total	7440-23-5		U	27.4	5.48
Nickel, Total	7440-02-0	0.736	J	2.19	0.548
Lead, Total	7439-92-1	1.02	J	5.48	0.548
Antimony, Total	7440-36-0		U	11.0	0.548
Selenium, Total	7782-49-2		U	5.48	0.548
Zinc, Total	7440-66-6		U	1.10	0.548

J The analyte was positively identified, but the quantitation was below the RL

Sample Number: L0510264-03
Client ID: 41-BF2-S-1012-05
Matrix: Soil
Workgroup Number: WG198673
Collect Date: 10/12/2005 15:25
Sample Tag: 01

Prep Method: 3050B
Analytical Method: 6010B
Analyst: SLP
Dilution: 1
Units: mg/kg
Percent Solid: 91.3

Instrument: IRIS-ICP
Prep Date: 10/14/2005 06:30
Cal Date: 10/14/2005 09:31
Run Date: 10/14/2005 14:46
File ID: IR.101405.144600

Analyte	CAS. Number	Result	Qual	RL	MDL

U Not detected at or above adjusted sample detection limit

Sample Number: L0510264-03
Client ID: 41-BF2-S-1012-05
Matrix: Soil
Workgroup Number: WG198673
Collect Date: 10/12/2005 15:25
Sample Tag: 02

Prep Method: 3050B
Analytical Method: 6010B
Analyst: SLP
Dilution: 1
Units: mg/kg
Percent Solid: 91.3

Instrument: IRIS-ICP
Prep Date: 10/14/2005 06:30
Cal Date: 10/17/2005 10:21
Run Date: 10/17/2005 15:21
File ID: IR.101705.152100

Analyte	CAS. Number	Result	Qual	RL	MDL
Vanadium, Total	7440-62-2	2.03		0.548	0.274

Sample Number: L0510264-03
Client ID: 41-BF2-S-1012-05
Matrix: Soil
Workgroup Number: WG198754
Collect Date: 10/12/2005 15:25
Sample Tag: 01

Prep Method: METHOD
Analytical Method: 7471A
Analyst: CRC
Dilution: 1
Units: mg/kg
Percent Solid: 91.3

Instrument: HYDRA
Prep Date: 10/14/2005 12:30
Cal Date: 10/17/2005 11:42
Run Date: 10/17/2005 12:03
File ID: HY.101705.120317

Analyte	CAS. Number	Result	Qual	RL	MDL
Mercury, Total	7439-97-6		U	0.274	0.0110

U Not detected at or above adjusted sample detection limit

Sample Number: L0510264-03
Client ID: 41-BF2-S-1012-05
Matrix: Soil
Workgroup Number: WG198689
Collect Date: 10/12/2005 15:25
Sample Tag: 01

Prep Method: 3550B
Analytical Method: 8081A
Analyst: ECL
Dilution: 1
Units: ug/kg
Percent Solid: 91.3

Instrument: HP9
Prep Date: 10/14/2005 08:30
Cal Date: 10/13/2005 21:39
Run Date: 10/14/2005 18:23
File ID: 9G32677.F

Analyte	CAS. Number	Result	Qual	RL	MDL
alpha-BHC	319-84-6		U	1.77	0.355
beta-BHC	319-85-7		U	1.77	0.355
delta-BHC	319-86-8		U	1.77	0.355
gamma-BHC (Lindane)	58-89-9		U	1.77	0.355
Heptachlor	76-44-8		U	1.77	0.355
Aldrin	309-00-2		U	1.77	0.355
Heptachlor epoxide	1024-57-3		U	1.77	0.355
Endosulfan I	959-98-8		U	1.77	0.355

Report Number: **L0510264**
Report Date : **October 24, 2005**

Sample Number: **L0510264-03**
Client ID: **41-BF2-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198689**
Collect Date: **10/12/2005 15:25**
Sample Tag: **01**

Prep Method: **3550B**
Analytical Method: **8081A**
Analyst: **ECL**
Dilution: **1**
Units: **ug/kg**
Percent Solid: **91.3**

Instrument: **HP9**
Prep Date: **10/14/2005 08:30**
Cal Date: **10/13/2005 21:39**
Run Date: **10/14/2005 18:23**
File ID: **9G32677.F**

Analyte	CAS. Number	Result	Qual	RL	MDL
Dieldrin	60-57-1		U	1.77	0.355
4,4'-DDE	72-55-9		U	1.77	0.355
Endrin	72-20-8		U	1.77	0.355
Endosulfan II	33213-65-9		U	1.77	0.355
4,4'-DDD	72-54-8		U	1.77	0.355
Endosulfan sulfate	1031-07-8		U	1.77	0.355
4,4'-DDT	50-29-3		U	1.77	0.355
Methoxychlor	72-43-5		U	1.77	0.355
Endrin ketone	53494-70-5		U	1.77	0.355
Endrin aldehyde	7421-93-4		U	1.77	0.355
alpha Chlordane	5103-71-9		U	1.77	0.355
gamma Chlordane	5103-74-2		U	1.77	0.355
Toxaphene	8001-35-2		U	35.5	17.9

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-m-xylene	63.4	39	130	
Decachlorobiphenyl	68.4	33	143	

U Not detected at or above adjusted sample detection limit

Sample Number: **L0510264-03**
Client ID: **41-BF2-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198674**
Collect Date: **10/12/2005 15:25**
Sample Tag: **01**

Prep Method: **3550B**
Analytical Method: **8082**
Analyst: **ECL**
Dilution: **1**
Units: **ug/kg**
Percent Solid: **91.3**

Instrument: **HP4**
Prep Date: **10/14/2005 08:30**
Cal Date: **10/14/2005 14:26**
Run Date: **10/15/2005 00:32**
File ID: **4GF26789**

Analyte	CAS. Number	Result	Qual	RL	MDL
Aroclor-1016	12674-11-2		U	17.7	8.86
Aroclor-1221	11104-28-2		U	17.7	8.86
Aroclor-1232	11141-16-5		U	17.7	8.86
Aroclor-1242	53469-21-9		U	17.7	8.86
Aroclor-1248	12672-29-6		U	17.7	8.86
Aroclor-1254	11097-69-1		U	17.7	8.86
Aroclor-1260	11096-82-5		U	17.7	8.86

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-M-Xylene	83.7	29	133	
Decachlorobiphenyl	114	30	173	

U Not detected at or above adjusted sample detection limit

Sample Number: L0510264-03
Client ID: 41-BF2-S-1012-05
Matrix: Soil
Workgroup Number: WG198747
Collect Date: 10/12/2005 15:25
Sample Tag: 01

Prep Method: METHOD
Analytical Method: 8151A
Analyst: ECL
Dilution: 1
Units: ug/kg
Percent Solid: 91.3

Instrument: HP15
Prep Date: 10/14/2005 16:00
Cal Date: 09/20/2005 15:49
Run Date: 10/17/2005 11:01
File ID: 15G3464.F

Analyte	CAS. Number	Result	Qual	RL	MDL
2,4-D	94-75-7		U	43.8	21.9
2,4-DB	94-82-6		U	43.8	21.9
2,4,5-T	93-76-5		U	4.38	2.19
2,4,5-TP (Silvex)	93-72-1		U	3.29	1.64
Dalapon	75-99-0		U	110	54.8
Dicamba	1918-00-9		U	4.38	2.19
Dichloroprop	120-36-5		U	43.8	21.9
Dinoseb	88-85-7		U	21.9	11.0
MCPA	94-74-6		U	4380	2190
MCPP	93-65-2		U	4380	2190

Surrogate	% Recovery	Lower	Upper	Qual
2,4-Dichlorophenylacetic acid	38.5	25	110	

U Not detected at or above adjusted sample detection limit

Sample Number: L0510264-03
Client ID: 41-BF2-S-1012-05
Matrix: Soil
Workgroup Number: WG198906
Collect Date: 10/12/2005 15:25
Sample Tag: RE01

Prep Method: METHOD
Analytical Method: 8151A
Analyst: HAV
Dilution: 1
Units: ug/kg
Percent Solid: 91.3

Instrument: HP15
Prep Date: 10/18/2005 08:30
Cal Date: 09/20/2005 15:49
Run Date: 10/18/2005 20:27
File ID: 15G3477.R

Analyte	CAS. Number	Result	Qual	RL	MDL
2,4-D	94-75-7		U	43.7	21.9
2,4-DB	94-82-6		U	43.7	21.9
2,4,5-T	93-76-5		U	4.37	2.19
2,4,5-TP (Silvex)	93-72-1		U	3.28	1.64
Dalapon	75-99-0		U	109	54.6
Dicamba	1918-00-9		U	4.37	2.19
Dichloroprop	120-36-5		U	43.7	21.9
Dinoseb	88-85-7		U	21.9	10.9
MCPA	94-74-6		U	4370	2190
MCPP	93-65-2		U	4370	2190

Surrogate	% Recovery	Lower	Upper	Qual
2,4-Dichlorophenylacetic acid	29.1	25	110	

U Not detected at or above adjusted sample detection limit

Sample Number: L0510264-03
Client ID: 41-BF2-S-1012-05
Matrix: Soil
Workgroup Number: WG198807
Collect Date: 10/12/2005 15:25
Sample Tag: 01

Prep Method: 5030B
Analytical Method: 8260B
Analyst: CMS
Dilution: 1
Units: ug/kg
Percent Solid: 91.3

Instrument: HPMS11
Prep Date: 10/18/2005 00:35
Cal Date: 10/17/2005 13:39
Run Date: 10/18/2005 00:35
File ID: 11M29691

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1	24.6	J	177	8.84
Benzene	71-43-2		U	8.84	0.884
Bromodichloromethane	75-27-4		U	8.84	0.884
Bromoform	75-25-2		U	8.84	0.884

Report Number: **L0510264**
Report Date : **October 24, 2005**

Sample Number: **L0510264-03**
Client ID: **41-BF2-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198807**
Collect Date: **10/12/2005 15:25**
Sample Tag: **01**

Prep Method: **5030B**
Analytical Method: **8260B**
Analyst: **CMS**
Dilution: **1**
Units: **ug/kg**
Percent Solid: **91.3**

Instrument: **HPMS11**
Prep Date: **10/18/2005 00:35**
Cal Date: **10/17/2005 13:39**
Run Date: **10/18/2005 00:35**
File ID: **11M29691**

Analyte	CAS. Number	Result	Qual	RL	MDL
Bromomethane	74-83-9		U	17.7	1.77
2-Butanone	78-93-3	5.17	J	177	4.42
Carbon disulfide	75-15-0	3.47	J	8.84	0.884
Carbon tetrachloride	56-23-5		U	8.84	0.884
Chlorobenzene	108-90-7		U	8.84	0.884
Chlorodibromomethane	124-48-1		U	8.84	0.884
Chloroethane	75-00-3		U	17.7	1.77
Chloroform	67-66-3		U	8.84	0.884
Chloromethane	74-87-3		U	17.7	3.53
Cyclohexane	110-82-7		U	8.84	8.84
1,2-Dibromo-3-chloropropane	96-12-8		U	8.84	3.53
1,2-Dibromoethane	106-93-4		U	8.84	0.884
1,2-Dichlorobenzene	95-50-1		U	8.84	0.884
1,3-Dichlorobenzene	541-73-1		U	8.84	0.884
1,4-Dichlorobenzene	106-46-7		U	8.84	0.884
Dichlorodifluoromethane	75-71-8		U	17.7	1.77
1,1-Dichloroethane	75-34-3		U	8.84	1.77
1,2-Dichloroethane	107-06-2		U	8.84	0.884
1,1-Dichloroethene	75-35-4		U	8.84	0.884
cis-1,2-Dichloroethene	156-59-2		U	8.84	0.884
trans-1,2-Dichloroethene	156-60-5		U	8.84	0.884
1,2-Dichloropropane	78-87-5		U	8.84	0.884
cis-1,3-Dichloropropene	10061-01-5		U	8.84	0.884
trans-1,3-Dichloropropene	10061-02-6		U	8.84	0.884
Ethylbenzene	100-41-4		U	8.84	0.884
2-Hexanone	591-78-6		U	17.7	4.42
Isopropylbenzene	98-82-8		U	8.84	0.884
4-Methyl-2-pentanone	108-10-1		U	17.7	4.42
Methylene chloride	75-09-2		U	8.84	1.77
Styrene	100-42-5		U	8.84	0.884
1,1,2,2-Tetrachloroethane	79-34-5		U	8.84	0.884
Tetrachloroethene	127-18-4		U	8.84	0.884
Toluene	108-88-3		U	8.84	0.884
1,2,4-Trichlorobenzene	120-82-1		U	8.84	0.884
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1		U	17.7	1.77
1,1,1-Trichloroethane	71-55-6		U	8.84	0.884
1,1,2-Trichloroethane	79-00-5		U	8.84	0.884
Trichloroethene	79-01-6		U	8.84	0.884
Trichlorofluoromethane	75-69-4		U	17.7	1.77
Vinyl chloride	75-01-4		U	17.7	1.77
o-Xylene	95-47-6		U	8.84	0.884
m-,p-Xylene	136777-61-2		U	8.84	0.884
MTBE	1634-04-4		U	8.84	0.884

Report Number: **L0510264**
Report Date : **October 24, 2005**

Sample Number: **L0510264-03**
Client ID: **41-BF2-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198807**
Collect Date: **10/12/2005 15:25**
Sample Tag: **01**

Prep Method: **5030B**
Analytical Method: **8260B**
Analyst: **CMS**
Dilution: **1**
Units: **ug/kg**
Percent Solid: **91.3**

Instrument: **HPMS11**
Prep Date: **10/18/2005 00:35**
Cal Date: **10/17/2005 13:39**
Run Date: **10/18/2005 00:35**
File ID: **11M29691**

Surrogate	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	99.6	80	120	
1,2-Dichloroethane-d4	97.7	80	120	
Toluene-d8	105	81	117	
4-Bromofluorobenzene	103	74	121	

J The analyte was positively identified, but the quantitation was below the RL
U Not detected at or above adjusted sample detection limit

Sample Number: **L0510264-03**
Client ID: **41-BF2-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198740**
Collect Date: **10/12/2005 15:25**
Sample Tag: **01**

Prep Method: **3545**
Analytical Method: **8270C**
Analyst: **CLK**
Dilution: **1**
Units: **ug/kg**
Percent Solid: **91.3**

Instrument: **HPMS4**
Prep Date: **10/14/2005 08:30**
Cal Date: **10/13/2005 12:28**
Run Date: **10/14/2005 16:54**
File ID: **4M30418**

Analyte	CAS. Number	Result	Qual	RL	MDL
Phenol	108-95-2		U	175	87.3
Bis(2-Chloroethyl)ether	111-44-4		U	175	87.3
2-Chlorophenol	95-57-8		U	175	87.3
1,3-Dichlorobenzene	541-73-1		U	175	87.3
1,4-Dichlorobenzene	106-46-7		U	175	87.3
1,2-Dichlorobenzene	95-50-1		U	175	87.3
2-Methylphenol	95-48-7		U	175	87.3
3-,4-Methylphenol	106-44-5		U	175	87.3
bis(2-chloroisopropyl)ether	108-60-1		U	175	87.3
N-Nitrosodipropylamine	621-64-7		U	175	87.3
Hexachloroethane	67-72-1		U	175	87.3
Nitrobenzene	98-95-3		U	175	87.3
Isophorone	78-59-1		U	175	87.3
2-Nitrophenol	88-75-5		U	175	87.3
2,4-Dimethylphenol	105-67-9		U	175	87.3
Bis(2-Chloroethoxy)Methane	111-91-1		U	175	87.3
2,4-Dichlorophenol	120-83-2		U	175	87.3
1,2,4-Trichlorobenzene	120-82-1		U	175	87.3
Naphthalene	91-20-3		U	175	87.3
4-Chloroaniline	106-47-8		U	175	87.3
Hexachlorobutadiene	87-68-3		U	175	87.3
4-Chloro-3-methylphenol	59-50-7		U	175	87.3
2-Methylnaphthalene	91-57-6		U	175	87.3
Hexachlorocyclopentadiene	77-47-4		U	175	87.3
2,4,6-Trichlorophenol	88-06-2		U	175	87.3
2,4,5-Trichlorophenol	95-95-4		U	175	87.3
2-Chloronaphthalene	91-58-7		U	175	87.3
2-Nitroaniline	88-74-4		U	873	349
Dimethylphthalate	131-11-3		U	175	87.3
Acenaphthylene	208-96-8		U	175	87.3
2,6-Dinitrotoluene	606-20-2		U	175	87.3
3-Nitroaniline	99-09-2		U	873	349
Acenaphthene	83-32-9		U	175	87.3

Report Number: **L0510264**
Report Date : **October 24, 2005**

Sample Number: **L0510264-03**
Client ID: **41-BF2-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198740**
Collect Date: **10/12/2005 15:25**
Sample Tag: **01**

Prep Method: **3545**
Analytical Method: **8270C**
Analyst: **CLK**
Dilution: **1**
Units: **ug/kg**
Percent Solid: **91.3**

Instrument: **HPMS4**
Prep Date: **10/14/2005 08:30**
Cal Date: **10/13/2005 12:28**
Run Date: **10/14/2005 16:54**
File ID: **4M30418**

Analyte	CAS. Number	Result	Qual	RL	MDL
2,4-Dinitrophenol	51-28-5		U	873	349
4-Nitrophenol	100-02-7		U	873	349
Dibenzofuran	132-64-9		U	175	87.3
2,4-Dinitrotoluene	121-14-2		U	175	87.3
Diethylphthalate	84-66-2		U	175	87.3
4-Chlorophenyl-phenyl ether	7005-72-3		U	175	87.3
Fluorene	86-73-7		U	175	87.3
4-Nitroaniline	100-01-6		U	873	349
4,6-Dinitro-2-methylphenol	534-52-1		U	873	349
N-Nitrosodiphenylamine	86-30-6		U	175	87.3
4-Bromophenyl-phenylether	101-55-3		U	175	87.3
Hexachlorobenzene	118-74-1		U	175	87.3
Pentachlorophenol	87-86-5		U	873	349
Phenanthrene	85-01-8		U	175	87.3
Anthracene	120-12-7		U	175	87.3
Di-N-Butylphthalate	84-74-2		U	175	87.3
Fluoranthene	206-44-0		U	175	87.3
Pyrene	129-00-0		U	175	87.3
Butylbenzylphthalate	85-68-7		U	175	87.3
3,3'-Dichlorobenzidine	91-94-1		U	349	175
Benzo(a)anthracene	56-55-3		U	175	87.3
Chrysene	218-01-9		U	175	87.3
bis(2-Ethylhexyl)phthalate	117-81-7		U	175	87.3
Di-n-octylphthalate	117-84-0		U	175	87.3
Benzo(b)fluoranthene	205-99-2		U	175	87.3
Benzo(k)fluoranthene	207-08-9		U	175	87.3
Benzo(a)pyrene	50-32-8		U	175	87.3
Indeno(1,2,3-cd)pyrene	193-39-5		U	175	87.3
Dibenzo(a,h)Anthracene	53-70-3		U	175	87.3
Benzo(g,h,i)Perylene	191-24-2		U	175	87.3
Carbazole	86-74-8		U	175	87.3

Surrogate	% Recovery	Lower	Upper	Qual
2-Fluorophenol	64.3	25	121	
Phenol-d5	73.5	24	113	
Nitrobenzene-d5	69.3	23	120	
2-Fluorobiphenyl	66.0	30	115	
2,4,6-Tribromophenol	67.5	19	122	
p-Terphenyl-d14	96.5	18	137	

U Not detected at or above adjusted sample detection limit

Sample Number: L0510264-03
Client ID: 41-BF2-S-1012-05
Matrix: Soil
Workgroup Number: WG198899
Collect Date: 10/12/2005 15:25
Sample Tag: RE1

Prep Method: 3545
Analytical Method: 8270C
Analyst: CLK
Dilution: 1
Units: ug/kg
Percent Solid: 91.3

Instrument: HPMS7
Prep Date: 10/14/2005 13:45
Cal Date: 10/18/2005 20:56
Run Date: 10/19/2005 05:28
File ID: 7M26956

Analyte	CAS. Number	Result	Qual	RL	MDL
Naphthalene	91-20-3		U	5.44	2.72
Acenaphthylene	208-96-8		U	5.44	2.72
Acenaphthene	83-32-9		U	5.44	2.72
Fluorene	86-73-7		U	5.44	2.72
Phenanthrene	85-01-8		U	5.44	2.72
Anthracene	120-12-7		U	5.44	2.72
Fluoranthene	206-44-0		U	5.44	2.72
Pyrene	129-00-0		U	5.44	2.72
Benzo(a)anthracene	56-55-3		U	5.44	2.72
Chrysene	218-01-9		U	5.44	2.72
Benzo(b)fluoranthene	205-99-2		U	5.44	2.72
Benzo(k)fluoranthene	207-08-9		U	5.44	2.72
Benzo(a)pyrene	50-32-8		U	5.44	2.72
Indeno(1,2,3-cd)pyrene	193-39-5		U	5.44	2.72
Dibenzo(a,h)anthracene	53-70-3		U	5.44	2.72
Benzo(g,h,i)perylene	191-24-2		U	5.44	2.72
1-Methylnaphthalene	90-12-0	4.09	J	5.44	2.72
2-Methylnaphthalene	91-57-6	6.73		5.44	2.72

Surrogate	% Recovery	Lower	Upper	Qual
Nitrobenzene-d5	81.8	23	120	
2-Fluorobiphenyl	70.8	30	115	
p-Terphenyl-d14	89.7	18	137	

J The analyte was positively identified, but the quantitation was below the RL
U Not detected at or above adjusted sample detection limit

Sample Number: L0510264-03
Client ID: 41-BF2-S-1012-05
Matrix: Soil
Workgroup Number: WG198649
Collect Date: 10/12/2005 15:25
Sample Tag: 01

Prep Method: 3545
Analytical Method: 8270C
Analyst: CLK
Dilution: 1
Units: ug/kg
Percent Solid: 91.3

Instrument: HPMS7
Prep Date: 10/13/2005 13:08
Cal Date: 10/05/2005 11:59
Run Date: 10/14/2005 17:58
File ID: 7M26893

Analyte	CAS. Number	Result	Qual	RL	MDL
Naphthalene	91-20-3		U	5.34	2.67
Acenaphthylene	208-96-8		U	5.34	2.67
Acenaphthene	83-32-9		U	5.34	2.67
Fluorene	86-73-7		U	5.34	2.67
Phenanthrene	85-01-8		U	5.34	2.67
Anthracene	120-12-7		U	5.34	2.67
Fluoranthene	206-44-0		U	5.34	2.67
Pyrene	129-00-0		U	5.34	2.67
Benzo(a)anthracene	56-55-3		U	5.34	2.67
Chrysene	218-01-9		U	5.34	2.67
Benzo(b)fluoranthene	205-99-2		U	5.34	2.67
Benzo(k)fluoranthene	207-08-9		U	5.34	2.67
Benzo(a)pyrene	50-32-8		U	5.34	2.67
Indeno(1,2,3-cd)pyrene	193-39-5		U	5.34	2.67
Dibenzo(a,h)anthracene	53-70-3		U	5.34	2.67

Sample Number: L0510264-03
Client ID: 41-BF2-S-1012-05
Matrix: Soil
Workgroup Number: WG198649
Collect Date: 10/12/2005 15:25
Sample Tag: 01

Prep Method: 3545
Analytical Method: 8270C
Analyst: CLK
Dilution: 1
Units: ug/kg
Percent Solid: 91.3

Instrument: HPMS7
Prep Date: 10/13/2005 13:08
Cal Date: 10/05/2005 11:59
Run Date: 10/14/2005 17:58
File ID: 7M26893

Analyte	CAS. Number	Result	Qual	RL	MDL
Benzo(g,h,i)perylene	191-24-2		U	5.34	2.67
1-Methylnaphthalene	90-12-0		U	5.34	2.67
2-Methylnaphthalene	91-57-6		U	5.34	2.67

Surrogate	% Recovery	Lower	Upper	Qual
Nitrobenzene-d5	67.9	23	120	
2-Fluorobiphenyl	70.7	30	115	
p-Terphenyl-d14	83.5	18	137	

U Not detected at or above adjusted sample detection limit

Sample Number: L0510264-03
Client ID: 41-BF2-S-1012-05
Matrix: Soil
Workgroup Number: WG198771
Collect Date: 10/12/2005 15:25

Prep Method: 9045C
Analytical Method: 9045C
Analyst: DR
Dilution: 1
Units: UNITS

Instrument: ORION-710A
Prep Date: 10/14/2005 15:20
Cal Date:
Run Date: 10/14/2005 15:20
File ID: OR05101713412403

Analyte	CAS. Number	Result	Qual	RL	MDL
Corrosivity pH		4.27			

Sample Number: L0510264-03
Client ID: 41-BF2-S-1012-05
Matrix: Soil
Workgroup Number: WG198707
Collect Date: 10/12/2005 15:25

Prep Method: D2216-90
Analytical Method: D2216-90
Analyst: TMM
Dilution: 1
Units: weight %

Instrument: OVEN
Prep Date: 10/14/2005 16:00
Cal Date:
Run Date: 10/14/2005 16:00
File ID:

Analyte	CAS. Number	Result	Qual	RL	MDL
Percent Solids	10-02-6	91.3		1.00	1.00

Sample Number: L0510264-03
Client ID: 41-BF2-S-1012-05
Matrix: Soil
Workgroup Number: WG198635
Collect Date: 10/12/2005 15:25
Sample Tag: 01

Prep Method: 3550B
Analytical Method: 8015MOD
Analyst: HV
Dilution: 1
Units: ug/kg
Percent Solid: 91.3

Instrument: HP14
Prep Date: 10/13/2005 13:15
Cal Date: 10/07/2005 13:13
Run Date: 10/13/2005 23:28
File ID: 14G6196

Analyte	CAS. Number	Result	Qual	RL	MDL
TRPH-Florida PRO		9300	J	10800	5410

Report Number: **L0510264**
Report Date : **October 24, 2005**

Sample Number: **L0510264-03**
Client ID: **41-BF2-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198635**
Collect Date: **10/12/2005 15:25**
Sample Tag: **01**

Prep Method: **3550B**
Analytical Method: **8015MOD**
Analyst: **HV**
Dilution: **1**
Units: **ug/kg**
Percent Solid: **91.3**

Instrument: **HP14**
Prep Date: **10/13/2005 13:15**
Cal Date: **10/07/2005 13:13**
Run Date: **10/13/2005 23:28**
File ID: **14G6196**

Surrogate	% Recovery	Lower	Upper	Qual
o-Terphenyl	90.9	43	136	

J The analyte was positively identified, but the quantitation was below the RL

Sample Number: **L0510264-04**
Client ID: **41-TS2-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198673**
Collect Date: **10/12/2005 15:40**
Sample Tag: **01**

Prep Method: **3050B**
Analytical Method: **6010B**
Analyst: **SLP**
Dilution: **1**
Units: **mg/kg**
Percent Solid: **84.9**

Instrument: **IRIS-ICP**
Prep Date: **10/14/2005 06:30**
Cal Date: **10/17/2005 10:21**
Run Date: **10/17/2005 11:24**
File ID: **IR.101705.112400**

Analyte	CAS. Number	Result	Qual	RL	MDL
Aluminum, Total	7429-90-5	159		23.6	11.8
Silver, Total	7440-22-4		U	2.36	0.294
Arsenic, Total	7440-38-2		U	1.18	0.589
Barium, Total	7440-39-3	2.55		0.589	0.118
Beryllium, Total	7440-41-7		U	0.589	0.0141
Calcium, Total	7440-70-2	201		11.8	5.89
Cadmium, Total	7440-43-9		U	0.589	0.0589
Cobalt, Total	7440-48-4		U	1.18	0.141
Chromium, Total	7440-47-3	0.293	J	1.18	0.141
Copper, Total	7440-50-8		U	1.18	0.589
Iron, Total	7439-89-6	83.8		2.36	1.18
Potassium, Total	7440-09-7		U	58.9	29.4
Magnesium, Total	7439-95-4	31.7		29.4	14.1
Manganese, Total	7439-96-5	2.37		0.589	0.118
Sodium, Total	7440-23-5		U	29.4	5.89
Nickel, Total	7440-02-0		U	2.36	0.589
Lead, Total	7439-92-1	2.64	J	5.89	0.589
Antimony, Total	7440-36-0		U	11.8	0.589
Selenium, Total	7782-49-2		U	5.89	0.589
Vanadium, Total	7440-62-2	0.534	J	0.589	0.294
Zinc, Total	7440-66-6	1.62		1.18	0.589

J The analyte was positively identified, but the quantitation was below the RL
U Not detected at or above adjusted sample detection limit

Report Number: **L0510264**
Report Date : **October 24, 2005**

Sample Number: **L0510264-04**
Client ID: **41-TS2-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198754**
Collect Date: **10/12/2005 15:40**
Sample Tag: **01**

Prep Method: **METHOD**
Analytical Method: **7471A**
Analyst: **CRC**
Dilution: **1**
Units: **mg/kg**
Percent Solid: **84.9**

Instrument: **HYDRA**
Prep Date: **10/14/2005 12:30**
Cal Date: **10/17/2005 11:42**
Run Date: **10/17/2005 12:04**
File ID: **HY.101705.120457**

Analyte	CAS. Number	Result	Qual	RL	MDL
Mercury, Total	7439-97-6		U	0.285	0.0114

U Not detected at or above adjusted sample detection limit

Sample Number: **L0510264-04**
Client ID: **41-TS2-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198689**
Collect Date: **10/12/2005 15:40**
Sample Tag: **01**

Prep Method: **3550B**
Analytical Method: **8081A**
Analyst: **ECL**
Dilution: **1**
Units: **ug/kg**
Percent Solid: **84.9**

Instrument: **HP9**
Prep Date: **10/14/2005 08:30**
Cal Date: **10/13/2005 21:39**
Run Date: **10/14/2005 18:52**
File ID: **9G32678.F**

Analyte	CAS. Number	Result	Qual	RL	MDL
alpha-BHC	319-84-6		U	1.93	0.386
beta-BHC	319-85-7		U	1.93	0.386
delta-BHC	319-86-8		U	1.93	0.386
gamma-BHC (Lindane)	58-89-9		U	1.93	0.386
Heptachlor	76-44-8		U	1.93	0.386
Aldrin	309-00-2		U	1.93	0.386
Heptachlor epoxide	1024-57-3		U	1.93	0.386
Endosulfan I	959-98-8		U	1.93	0.386
Dieldrin	60-57-1		U	1.93	0.386
4,4'-DDE	72-55-9		U	1.93	0.386
Endrin	72-20-8		U	1.93	0.386
Endosulfan II	33213-65-9		U	1.93	0.386
4,4'-DDD	72-54-8		U	1.93	0.386
Endosulfan sulfate	1031-07-8		U	1.93	0.386
4,4'-DDT	50-29-3		U	1.93	0.386
Methoxychlor	72-43-5		U	1.93	0.386
Endrin ketone	53494-70-5		U	1.93	0.386
Endrin aldehyde	7421-93-4		U	1.93	0.386
alpha Chlordane	5103-71-9		U	1.93	0.386
gamma Chlordane	5103-74-2		U	1.93	0.386
Toxaphene	8001-35-2		U	38.6	19.5

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-m-xylene	64.2	39	130	
Decachlorobiphenyl	70.0	33	143	

U Not detected at or above adjusted sample detection limit

Sample Number: L0510264-04
Client ID: 41-TS2-S-1012-05
Matrix: Soil
Workgroup Number: WG198674
Collect Date: 10/12/2005 15:40
Sample Tag: 01

Prep Method: 3550B
Analytical Method: 8082
Analyst: ECL
Dilution: 1
Units: ug/kg
Percent Solid: 84.9

Instrument: HP4
Prep Date: 10/14/2005 08:30
Cal Date: 10/14/2005 14:26
Run Date: 10/15/2005 00:51
File ID: 4GF26790

Analyte	CAS. Number	Result	Qual	RL	MDL
Aroclor-1016	12674-11-2		U	19.3	9.65
Aroclor-1221	11104-28-2		U	19.3	9.65
Aroclor-1232	11141-16-5		U	19.3	9.65
Aroclor-1242	53469-21-9		U	19.3	9.65
Aroclor-1248	12672-29-6		U	19.3	9.65
Aroclor-1254	11097-69-1		U	19.3	9.65
Aroclor-1260	11096-82-5		U	19.3	9.65

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-M-Xylene	84.4	29	133	
Decachlorobiphenyl	120	30	173	

U Not detected at or above adjusted sample detection limit

Sample Number: L0510264-04
Client ID: 41-TS2-S-1012-05
Matrix: Soil
Workgroup Number: WG198747
Collect Date: 10/12/2005 15:40
Sample Tag: 01

Prep Method: METHOD
Analytical Method: 8151A
Analyst: ECL
Dilution: 1
Units: ug/kg
Percent Solid: 84.9

Instrument: HP15
Prep Date: 10/14/2005 16:00
Cal Date: 09/20/2005 15:49
Run Date: 10/17/2005 11:28
File ID: 15G3465.F

Analyte	CAS. Number	Result	Qual	RL	MDL
2,4-D	94-75-7		U	46.9	23.5
2,4-DB	94-82-6		U	46.9	23.5
2,4,5-T	93-76-5		U	4.69	2.35
2,4,5-TP (Silvex)	93-72-1		U	3.52	1.76
Dalapon	75-99-0		U	117	58.6
Dicamba	1918-00-9		U	4.69	2.35
Dichloroprop	120-36-5		U	46.9	23.5
Dinoseb	88-85-7		U	23.5	11.7
MCPA	94-74-6		U	4690	2350
MCPP	93-65-2		U	4690	2350

Surrogate	% Recovery	Lower	Upper	Qual
2,4-Dichlorophenylacetic acid	36.3	25	110	

U Not detected at or above adjusted sample detection limit

Sample Number: L0510264-04
Client ID: 41-TS2-S-1012-05
Matrix: Soil
Workgroup Number: WG198906
Collect Date: 10/12/2005 15:40
Sample Tag: RE01

Prep Method: METHOD
Analytical Method: 8151A
Analyst: HAV
Dilution: 1
Units: ug/kg
Percent Solid: 84.9

Instrument: HP15
Prep Date: 10/18/2005 08:30
Cal Date: 09/20/2005 15:49
Run Date: 10/18/2005 20:54
File ID: 15G3478.R

Analyte	CAS. Number	Result	Qual	RL	MDL
2,4-D	94-75-7		U	46.5	23.2
2,4-DB	94-82-6		U	46.5	23.2
2,4,5-T	93-76-5		U	4.65	2.32
2,4,5-TP (Silvex)	93-72-1		U	3.48	1.74
Dalapon	75-99-0		U	116	58.1
Dicamba	1918-00-9		U	4.65	2.32

Sample Number: L0510264-04
Client ID: 41-TS2-S-1012-05
Matrix: Soil
Workgroup Number: WG198906
Collect Date: 10/12/2005 15:40
Sample Tag: RE01

Prep Method: METHOD
Analytical Method: 8151A
Analyst: HAV
Dilution: 1
Units: ug/kg
Percent Solid: 84.9

Instrument: HP15
Prep Date: 10/18/2005 08:30
Cal Date: 09/20/2005 15:49
Run Date: 10/18/2005 20:54
File ID: 15G3478.R

Analyte	CAS. Number	Result	Qual	RL	MDL
Dichloroprop	120-36-5		U	46.5	23.2
Dinoseb	88-85-7		U	23.2	11.6
MCPA	94-74-6		U	4650	2320
MCPP	93-65-2		U	4650	2320

Surrogate	% Recovery	Lower	Upper	Qual
2,4-Dichlorophenylacetic acid	72.9	25	110	

U Not detected at or above adjusted sample detection limit

Sample Number: L0510264-04
Client ID: 41-TS2-S-1012-05
Matrix: Soil
Workgroup Number: WG198807
Collect Date: 10/12/2005 15:40
Sample Tag: 01

Prep Method: 5030B
Analytical Method: 8260B
Analyst: CMS
Dilution: 1
Units: ug/kg
Percent Solid: 84.9

Instrument: HPMS11
Prep Date: 10/18/2005 01:08
Cal Date: 10/17/2005 13:39
Run Date: 10/18/2005 01:08
File ID: 11M29692

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	167	8.36
Benzene	71-43-2		U	8.36	0.836
Bromodichloromethane	75-27-4		U	8.36	0.836
Bromoform	75-25-2		U	8.36	0.836
Bromomethane	74-83-9		U	16.7	1.67
2-Butanone	78-93-3		U	167	4.18
Carbon disulfide	75-15-0		U	8.36	0.836
Carbon tetrachloride	56-23-5		U	8.36	0.836
Chlorobenzene	108-90-7		U	8.36	0.836
Chlorodibromomethane	124-48-1		U	8.36	0.836
Chloroethane	75-00-3		U	16.7	1.67
Chloroform	67-66-3		U	8.36	0.836
Chloromethane	74-87-3		U	16.7	3.35
Cyclohexane	110-82-7		U	8.36	8.36
1,2-Dibromo-3-chloropropane	96-12-8		U	8.36	3.35
1,2-Dibromoethane	106-93-4		U	8.36	0.836
1,2-Dichlorobenzene	95-50-1		U	8.36	0.836
1,3-Dichlorobenzene	541-73-1		U	8.36	0.836
1,4-Dichlorobenzene	106-46-7		U	8.36	0.836
Dichlorodifluoromethane	75-71-8		U	16.7	1.67
1,1-Dichloroethane	75-34-3		U	8.36	1.67
1,2-Dichloroethane	107-06-2		U	8.36	0.836
1,1-Dichloroethene	75-35-4		U	8.36	0.836
cis-1,2-Dichloroethene	156-59-2		U	8.36	0.836
trans-1,2-Dichloroethene	156-60-5		U	8.36	0.836
1,2-Dichloropropane	78-87-5		U	8.36	0.836
cis-1,3-Dichloropropene	10061-01-5		U	8.36	0.836
trans-1,3-Dichloropropene	10061-02-6		U	8.36	0.836
Ethylbenzene	100-41-4		U	8.36	0.836
2-Hexanone	591-78-6		U	16.7	4.18
Isopropylbenzene	98-82-8		U	8.36	0.836
4-Methyl-2-pentanone	108-10-1		U	16.7	4.18

Sample Number: L0510264-04
Client ID: 41-TS2-S-1012-05
Matrix: Soil
Workgroup Number: WG198807
Collect Date: 10/12/2005 15:40
Sample Tag: 01

Prep Method: 5030B
Analytical Method: 8260B
Analyst: CMS
Dilution: 1
Units: ug/kg
Percent Solid: 84.9

Instrument: HPMS11
Prep Date: 10/18/2005 01:08
Cal Date: 10/17/2005 13:39
Run Date: 10/18/2005 01:08
File ID: 11M29692

Analyte	CAS. Number	Result	Qual	RL	MDL
Methylene chloride	75-09-2		U	8.36	1.67
Styrene	100-42-5		U	8.36	0.836
1,1,2,2-Tetrachloroethane	79-34-5		U	8.36	0.836
Tetrachloroethene	127-18-4		U	8.36	0.836
Toluene	108-88-3		U	8.36	0.836
1,2,4-Trichlorobenzene	120-82-1		U	8.36	0.836
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1		U	16.7	1.67
1,1,1-Trichloroethane	71-55-6		U	8.36	0.836
1,1,2-Trichloroethane	79-00-5		U	8.36	0.836
Trichloroethene	79-01-6		U	8.36	0.836
Trichlorofluoromethane	75-69-4		U	16.7	1.67
Vinyl chloride	75-01-4		U	16.7	1.67
o-Xylene	95-47-6		U	8.36	0.836
m-,p-Xylene	136777-61-2		U	8.36	0.836
MTBE	1634-04-4		U	8.36	0.836

Surrogate	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	108	80	120	
1,2-Dichloroethane-d4	100	80	120	
Toluene-d8	129	81	117	*
4-Bromofluorobenzene	132	74	121	*

* Surrogate or spike compound out of range
U Not detected at or above adjusted sample detection limit

Sample Number: L0510264-04
Client ID: 41-TS2-S-1012-05
Matrix: Soil
Workgroup Number: WG198872
Collect Date: 10/12/2005 15:40
Sample Tag: A1

Prep Method: 5030B
Analytical Method: 8260B
Analyst: CMS
Dilution: 1
Units: ug/kg
Percent Solid: 84.9

Instrument: HPMS11
Prep Date: 10/18/2005 15:59
Cal Date: 10/17/2005 13:39
Run Date: 10/18/2005 15:59
File ID: 11M29714

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1	21.7	J	186	9.29
Benzene	71-43-2		U	9.29	0.929
Bromodichloromethane	75-27-4		U	9.29	0.929
Bromoform	75-25-2		U	9.29	0.929
Bromomethane	74-83-9		U	18.6	1.86
2-Butanone	78-93-3		U	186	4.64
Carbon disulfide	75-15-0		U	9.29	0.929
Carbon tetrachloride	56-23-5		U	9.29	0.929
Chlorobenzene	108-90-7		U	9.29	0.929
Chlorodibromomethane	124-48-1		U	9.29	0.929
Chloroethane	75-00-3		U	18.6	1.86
Chloroform	67-66-3		U	9.29	0.929
Chloromethane	74-87-3		U	18.6	3.72
Cyclohexane	110-82-7		U	9.29	9.29
1,2-Dibromo-3-chloropropane	96-12-8		U	9.29	3.72
1,2-Dibromoethane	106-93-4		U	9.29	0.929
1,2-Dichlorobenzene	95-50-1		U	9.29	0.929

Report Number: **L0510264**
Report Date : **October 24, 2005**

Sample Number: **L0510264-04**
Client ID: **41-TS2-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198872**
Collect Date: **10/12/2005 15:40**
Sample Tag: **A1**

Prep Method: **5030B**
Analytical Method: **8260B**
Analyst: **CMS**
Dilution: **1**
Units: **ug/kg**
Percent Solid: **84.9**

Instrument: **HPMS11**
Prep Date: **10/18/2005 15:59**
Cal Date: **10/17/2005 13:39**
Run Date: **10/18/2005 15:59**
File ID: **11M29714**

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3-Dichlorobenzene	541-73-1		U	9.29	0.929
1,4-Dichlorobenzene	106-46-7		U	9.29	0.929
Dichlorodifluoromethane	75-71-8		U	18.6	1.86
1,1-Dichloroethane	75-34-3		U	9.29	1.86
1,2-Dichloroethane	107-06-2		U	9.29	0.929
1,1-Dichloroethene	75-35-4		U	9.29	0.929
cis-1,2-Dichloroethene	156-59-2		U	9.29	0.929
trans-1,2-Dichloroethene	156-60-5		U	9.29	0.929
1,2-Dichloropropane	78-87-5		U	9.29	0.929
cis-1,3-Dichloropropene	10061-01-5		U	9.29	0.929
trans-1,3-Dichloropropene	10061-02-6		U	9.29	0.929
Ethylbenzene	100-41-4		U	9.29	0.929
2-Hexanone	591-78-6	6.68	J	18.6	4.64
Isopropylbenzene	98-82-8		U	9.29	0.929
4-Methyl-2-pentanone	108-10-1		U	18.6	4.64
Methylene chloride	75-09-2		U	9.29	1.86
Styrene	100-42-5		U	9.29	0.929
1,1,2,2-Tetrachloroethane	79-34-5		U	9.29	0.929
Tetrachloroethene	127-18-4		U	9.29	0.929
Toluene	108-88-3		U	9.29	0.929
1,2,4-Trichlorobenzene	120-82-1		U	9.29	0.929
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1		U	18.6	1.86
1,1,1-Trichloroethane	71-55-6		U	9.29	0.929
1,1,2-Trichloroethane	79-00-5		U	9.29	0.929
Trichloroethene	79-01-6		U	9.29	0.929
Trichlorofluoromethane	75-69-4		U	18.6	1.86
Vinyl chloride	75-01-4		U	18.6	1.86
o-Xylene	95-47-6		U	9.29	0.929
m-,p-Xylene	136777-61-2		U	9.29	0.929
MTBE	1634-04-4		U	9.29	0.929

Surrogate	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	102	80	120	
1,2-Dichloroethane-d4	106	80	120	
Toluene-d8	131	81	117	*
4-Bromofluorobenzene	125	74	121	*

* Surrogate or spike compound out of range
J The analyte was positively identified, but the quantitation was below the RL
U Not detected at or above adjusted sample detection limit

Report Number: **L0510264**
Report Date : **October 24, 2005**

Sample Number: **L0510264-04**
Client ID: **41-TS2-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198740**
Collect Date: **10/12/2005 15:40**
Sample Tag: **01**

Prep Method: **3545**
Analytical Method: **8270C**
Analyst: **CLK**
Dilution: **1**
Units: **ug/kg**
Percent Solid: **84.9**

Instrument: **HPMS4**
Prep Date: **10/14/2005 08:30**
Cal Date: **10/13/2005 12:28**
Run Date: **10/14/2005 17:29**
File ID: **4M30419**

Analyte	CAS. Number	Result	Qual	RL	MDL
Phenol	108-95-2		U	186	92.8
Bis(2-Chloroethyl)ether	111-44-4		U	186	92.8
2-Chlorophenol	95-57-8		U	186	92.8
1,3-Dichlorobenzene	541-73-1		U	186	92.8
1,4-Dichlorobenzene	106-46-7		U	186	92.8
1,2-Dichlorobenzene	95-50-1		U	186	92.8
2-Methylphenol	95-48-7		U	186	92.8
3-,4-Methylphenol	106-44-5		U	186	92.8
bis(2-chloroisopropyl)ether	108-60-1		U	186	92.8
N-Nitrosodipropylamine	621-64-7		U	186	92.8
Hexachloroethane	67-72-1		U	186	92.8
Nitrobenzene	98-95-3		U	186	92.8
Isophorone	78-59-1		U	186	92.8
2-Nitrophenol	88-75-5		U	186	92.8
2,4-Dimethylphenol	105-67-9		U	186	92.8
Bis(2-Chloroethoxy)Methane	111-91-1		U	186	92.8
2,4-Dichlorophenol	120-83-2		U	186	92.8
1,2,4-Trichlorobenzene	120-82-1		U	186	92.8
Naphthalene	91-20-3		U	186	92.8
4-Chloroaniline	106-47-8		U	186	92.8
Hexachlorobutadiene	87-68-3		U	186	92.8
4-Chloro-3-methylphenol	59-50-7		U	186	92.8
2-Methylnaphthalene	91-57-6		U	186	92.8
Hexachlorocyclopentadiene	77-47-4		U	186	92.8
2,4,6-Trichlorophenol	88-06-2		U	186	92.8
2,4,5-Trichlorophenol	95-95-4		U	186	92.8
2-Chloronaphthalene	91-58-7		U	186	92.8
2-Nitroaniline	88-74-4		U	928	371
Dimethylphthalate	131-11-3		U	186	92.8
Acenaphthylene	208-96-8		U	186	92.8
2,6-Dinitrotoluene	606-20-2		U	186	92.8
3-Nitroaniline	99-09-2		U	928	371
Acenaphthene	83-32-9		U	186	92.8
2,4-Dinitrophenol	51-28-5		U	928	371
4-Nitrophenol	100-02-7		U	928	371
Dibenzofuran	132-64-9		U	186	92.8
2,4-Dinitrotoluene	121-14-2		U	186	92.8
Diethylphthalate	84-66-2		U	186	92.8
4-Chlorophenyl-phenyl ether	7005-72-3		U	186	92.8
Fluorene	86-73-7		U	186	92.8
4-Nitroaniline	100-01-6		U	928	371
4,6-Dinitro-2-methylphenol	534-52-1		U	928	371
N-Nitrosodiphenylamine	86-30-6		U	186	92.8
4-Bromophenyl-phenylether	101-55-3		U	186	92.8
Hexachlorobenzene	118-74-1		U	186	92.8
Pentachlorophenol	87-86-5		U	928	371
Phenanthrene	85-01-8		U	186	92.8
Anthracene	120-12-7		U	186	92.8

Sample Number: L0510264-04
Client ID: 41-TS2-S-1012-05
Matrix: Soil
Workgroup Number: WG198740
Collect Date: 10/12/2005 15:40
Sample Tag: 01

Prep Method: 3545
Analytical Method: 8270C
Analyst: CLK
Dilution: 1
Units: ug/kg
Percent Solid: 84.9

Instrument: HPMS4
Prep Date: 10/14/2005 08:30
Cal Date: 10/13/2005 12:28
Run Date: 10/14/2005 17:29
File ID: 4M30419

Analyte	CAS. Number	Result	Qual	RL	MDL
Di-N-Butylphthalate	84-74-2		U	186	92.8
Fluoranthene	206-44-0		U	186	92.8
Pyrene	129-00-0		U	186	92.8
Butylbenzylphthalate	85-68-7		U	186	92.8
3,3'-Dichlorobenzidine	91-94-1		U	371	186
Benzo(a)anthracene	56-55-3		U	186	92.8
Chrysene	218-01-9		U	186	92.8
bis(2-Ethylhexyl)phthalate	117-81-7		U	186	92.8
Di-n-octylphthalate	117-84-0		U	186	92.8
Benzo(b)fluoranthene	205-99-2		U	186	92.8
Benzo(k)fluoranthene	207-08-9		U	186	92.8
Benzo(a)pyrene	50-32-8		U	186	92.8
Indeno(1,2,3-cd)pyrene	193-39-5		U	186	92.8
Dibenzo(a,h)Anthracene	53-70-3		U	186	92.8
Benzo(g,h,i)Perylene	191-24-2		U	186	92.8
Carbazole	86-74-8		U	186	92.8

Surrogate	% Recovery	Lower	Upper	Qual
2-Fluorophenol	61.8	25	121	
Phenol-d5	78.3	24	113	
Nitrobenzene-d5	69.2	23	120	
2-Fluorobiphenyl	72.5	30	115	
2,4,6-Tribromophenol	83.4	19	122	
p-Terphenyl-d14	80.4	18	137	

U Not detected at or above adjusted sample detection limit

Sample Number: L0510264-04
Client ID: 41-TS2-S-1012-05
Matrix: Soil
Workgroup Number: WG198899
Collect Date: 10/12/2005 15:40
Sample Tag: RE1

Prep Method: 3545
Analytical Method: 8270C
Analyst: CLK
Dilution: 1
Units: ug/kg
Percent Solid: 84.9

Instrument: HPMS7
Prep Date: 10/14/2005 13:45
Cal Date: 10/18/2005 20:56
Run Date: 10/19/2005 11:35
File ID: 7M26970

Analyte	CAS. Number	Result	Qual	RL	MDL
Naphthalene	91-20-3	2.92	J	5.73	2.87
Acenaphthylene	208-96-8		U	5.73	2.87
Acenaphthene	83-32-9		U	5.73	2.87
Fluorene	86-73-7		U	5.73	2.87
Phenanthrene	85-01-8	7.03		5.73	2.87
Anthracene	120-12-7	5.43	J	5.73	2.87
Fluoranthene	206-44-0	4.34	J	5.73	2.87
Pyrene	129-00-0		U	5.73	2.87
Benzo(a)anthracene	56-55-3		U	5.73	2.87
Chrysene	218-01-9		U	5.73	2.87
Benzo(b)fluoranthene	205-99-2		U	5.73	2.87
Benzo(k)fluoranthene	207-08-9		U	5.73	2.87
Benzo(a)pyrene	50-32-8		U	5.73	2.87
Indeno(1,2,3-cd)pyrene	193-39-5		U	5.73	2.87
Dibenzo(a,h)anthracene	53-70-3		U	5.73	2.87

Sample Number: L0510264-04
Client ID: 41-TS2-S-1012-05
Matrix: Soil
Workgroup Number: WG198899
Collect Date: 10/12/2005 15:40
Sample Tag: RE1

Prep Method: 3545
Analytical Method: 8270C
Analyst: CLK
Dilution: 1
Units: ug/kg
Percent Solid: 84.9

Instrument: HPMS7
Prep Date: 10/14/2005 13:45
Cal Date: 10/18/2005 20:56
Run Date: 10/19/2005 11:35
File ID: 7M26970

Analyte	CAS. Number	Result	Qual	RL	MDL
Benzo(g,h,i)perylene	191-24-2		U	5.73	2.87
1-Methylnaphthalene	90-12-0		U	5.73	2.87
2-Methylnaphthalene	91-57-6		U	5.73	2.87

Surrogate	% Recovery	Lower	Upper	Qual
Nitrobenzene-d5	82.0	23	120	
2-Fluorobiphenyl	83.0	30	115	
p-Terphenyl-d14	72.0	18	137	

J The analyte was positively identified, but the quantitation was below the RL
U Not detected at or above adjusted sample detection limit

Sample Number: L0510264-04
Client ID: 41-TS2-S-1012-05
Matrix: Soil
Workgroup Number: WG198649
Collect Date: 10/12/2005 15:40
Sample Tag: 01

Prep Method: 3545
Analytical Method: 8270C
Analyst: CLK
Dilution: 1
Units: ug/kg
Percent Solid: 84.9

Instrument: HPMS7
Prep Date: 10/13/2005 13:08
Cal Date: 10/05/2005 11:59
Run Date: 10/14/2005 19:17
File ID: 7M26896

Analyte	CAS. Number	Result	Qual	RL	MDL
Naphthalene	91-20-3	4.88	J	5.85	2.93
Acenaphthylene	208-96-8		U	5.85	2.93
Acenaphthene	83-32-9		U	5.85	2.93
Fluorene	86-73-7		U	5.85	2.93
Phenanthrene	85-01-8	6.52		5.85	2.93
Anthracene	120-12-7		U	5.85	2.93
Fluoranthene	206-44-0		U	5.85	2.93
Pyrene	129-00-0		U	5.85	2.93
Benzo(a)anthracene	56-55-3		U	5.85	2.93
Chrysene	218-01-9		U	5.85	2.93
Benzo(b)fluoranthene	205-99-2		U	5.85	2.93
Benzo(k)fluoranthene	207-08-9		U	5.85	2.93
Benzo(a)pyrene	50-32-8		U	5.85	2.93
Indeno(1,2,3-cd)pyrene	193-39-5		U	5.85	2.93
Dibenzo(a,h)anthracene	53-70-3		U	5.85	2.93
Benzo(g,h,i)perylene	191-24-2		U	5.85	2.93
1-Methylnaphthalene	90-12-0		U	5.85	2.93
2-Methylnaphthalene	91-57-6		U	5.85	2.93

Surrogate	% Recovery	Lower	Upper	Qual
Nitrobenzene-d5	99.8	23	120	
2-Fluorobiphenyl	109	30	115	
p-Terphenyl-d14	57.9	18	137	

J The analyte was positively identified, but the quantitation was below the RL
U Not detected at or above adjusted sample detection limit

Report Number: **L0510264**
Report Date : **October 24, 2005**

Sample Number: **L0510264-04**
Client ID: **41-TS2-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198771**
Collect Date: **10/12/2005 15:40**

Prep Method: **9045C**
Analytical Method: **9045C**
Analyst: **DR**
Dilution: **1**
Units: **UNITS**

Instrument: **ORION-710A**
Prep Date: **10/14/2005 15:20**
Cal Date:
Run Date: **10/14/2005 15:20**
File ID: **OR05101713412404**

Analyte	CAS. Number	Result	Qual	RL	MDL
Corrosivity pH		4.71			

Sample Number: **L0510264-04**
Client ID: **41-TS2-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198707**
Collect Date: **10/12/2005 15:40**

Prep Method: **D2216-90**
Analytical Method: **D2216-90**
Analyst: **TMM**
Dilution: **1**
Units: **weight %**

Instrument: **OVEN**
Prep Date: **10/14/2005 16:00**
Cal Date:
Run Date: **10/14/2005 16:00**
File ID:

Analyte	CAS. Number	Result	Qual	RL	MDL
Percent Solids	10-02-6	84.9		1.00	1.00

Sample Number: **L0510264-04**
Client ID: **41-TS2-S-1012-05**
Matrix: **Soil**
Workgroup Number: **WG198635**
Collect Date: **10/12/2005 15:40**
Sample Tag: **01**

Prep Method: **3550B**
Analytical Method: **8015MOD**
Analyst: **HV**
Dilution: **1**
Units: **ug/kg**
Percent Solid: **84.9**

Instrument: **HP14**
Prep Date: **10/13/2005 13:15**
Cal Date: **10/07/2005 13:13**
Run Date: **10/14/2005 00:01**
File ID: **14G6197**

Analyte	CAS. Number	Result	Qual	RL	MDL
TRPH-Florida PRO		47800		11400	5720

Surrogate	% Recovery	Lower	Upper	Qual
o-Terphenyl	107	43	136	

Sample Number: **L0510264-05**
Client ID: **41-TB4-W-1012-05**
Matrix: **Water**
Workgroup Number: **WG198627**
Collect Date: **10/12/2005 00:01**
Sample Tag: **01**

Prep Method: **5030B**
Analytical Method: **8260B**
Analyst: **CMS**
Dilution: **1**
Units: **ug/L**

Instrument: **HPMS8**
Prep Date: **10/14/2005 11:41**
Cal Date: **09/13/2005 13:35**
Run Date: **10/14/2005 11:41**
File ID: **8M323077**

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	5.00	0.125
Bromodichloromethane	75-27-4		U	5.00	0.250
Bromoform	75-25-2		U	5.00	0.500
Bromomethane	74-83-9		U	10.0	0.500
2-Butanone	78-93-3		U	10.0	2.50
Carbon disulfide	75-15-0		U	5.00	0.500
Carbon tetrachloride	56-23-5		U	5.00	0.250

Report Number: **L0510264**
Report Date : **October 24, 2005**

Sample Number: **L0510264-05**
Client ID: **41-TB4-W-1012-05**
Matrix: **Water**
Workgroup Number: **WG198627**
Collect Date: **10/12/2005 00:01**
Sample Tag: **01**

Prep Method: **5030B**
Analytical Method: **8260B**
Analyst: **CMS**
Dilution: **1**
Units: **ug/L**

Instrument: **HPMS8**
Prep Date: **10/14/2005 11:41**
Cal Date: **09/13/2005 13:35**
Run Date: **10/14/2005 11:41**
File ID: **8M323077**

Analyte	CAS. Number	Result	Qual	RL	MDL
Chlorobenzene	108-90-7		U	5.00	0.125
Chlorodibromomethane	124-48-1		U	5.00	0.250
Chloroethane	75-00-3		U	10.0	0.500
Chloroform	67-66-3		U	5.00	0.125
Chloromethane	74-87-3		U	10.0	0.250
Cyclohexane	110-82-7		U	5.00	0.500
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	5.00	0.250
1,2-Dichlorobenzene	95-50-1		U	5.00	0.125
1,3-Dichlorobenzene	541-73-1		U	5.00	0.250
1,4-Dichlorobenzene	106-46-7		U	5.00	0.125
Dichlorodifluoromethane	75-71-8		U	10.0	0.250
1,1-Dichloroethane	75-34-3		U	5.00	0.125
1,2-Dichloroethane	107-06-2		U	5.00	0.250
1,1-Dichloroethene	75-35-4		U	5.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	5.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	5.00	0.250
1,2-Dichloropropane	78-87-5		U	5.00	0.200
cis-1,3-Dichloropropene	10061-01-5		U	5.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	5.00	0.500
Ethylbenzene	100-41-4		U	5.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Isopropylbenzene	98-82-8		U	5.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2		U	5.00	0.250
Styrene	100-42-5		U	5.00	0.125
1,1,2,2-Tetrachloroethane	79-34-5		U	5.00	0.125
Tetrachloroethene	127-18-4		U	5.00	0.250
Toluene	108-88-3		U	5.00	0.250
1,2,4-Trichlorobenzene	120-82-1		U	5.00	0.200
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1		U	10.0	1.00
1,1,1-Trichloroethane	71-55-6		U	5.00	0.250
1,1,2-Trichloroethane	79-00-5		U	5.00	0.250
Trichloroethene	79-01-6		U	5.00	0.250
Trichlorofluoromethane	75-69-4		U	10.0	0.250
Vinyl chloride	75-01-4		U	10.0	0.250
o-Xylene	95-47-6		U	5.00	0.250
m-,p-Xylene	136777-61-2		U	5.00	0.500
MTBE	1634-04-4		U	5.00	5.00

Surrogate	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	104	86	118	
1,2-Dichloroethane-d4	112	80	120	
Toluene-d8	105	88	110	
4-Bromofluorobenzene	110	86	115	

U Not detected at or above adjusted sample detection limit

WORKGROUP SUMMARY BY METHOD

WORKGROUP SUMMARY BY METHOD

Analysis: Polynuclear Aromatics - Low Level
Extraction Method: 3545
Workgroup: WG198583

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0510264-01	41-BG1-S-1012-05		10/13/05 13:08			ASE	PAS
L0510264-02	41-BG2-S-1012-05		10/13/05 13:08			ASE	PAS
L0510264-03	41-BF2-S-1012-05		10/13/05 13:08			ASE	PAS
L0510264-04	41-TS2-S-1012-05		10/13/05 13:08			ASE	PAS

Analysis: TRPH-Florida PRO
Extraction Method: 3550B
Workgroup: WG198584

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0510264-01	41-BG1-S-1012-05		10/13/05 13:15			SONICATION	PAS
L0510264-02	41-BG2-S-1012-05		10/13/05 13:15			SONICATION	PAS
L0510264-03	41-BF2-S-1012-05		10/13/05 13:15			SONICATION	PAS
L0510264-04	41-TS2-S-1012-05		10/13/05 13:15			SONICATION	PAS

Analysis: Pesticides
Extraction Method: 3550B
Workgroup: WG198620

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0510264-01	41-BG1-S-1012-05		10/14/05 08:30			SONICATION	PAS
L0510264-02	41-BG2-S-1012-05		10/14/05 08:30			SONICATION	PAS
L0510264-03	41-BF2-S-1012-05		10/14/05 08:30			SONICATION	PAS
L0510264-04	41-TS2-S-1012-05		10/14/05 08:30			SONICATION	PAS

Analysis: PCB
Extraction Method: 3550B
Workgroup: WG198621

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0510264-01	41-BG1-S-1012-05		10/14/05 08:30			SONICATION	PAS
L0510264-02	41-BG2-S-1012-05		10/14/05 08:30			SONICATION	PAS
L0510264-03	41-BF2-S-1012-05		10/14/05 08:30			SONICATION	PAS
L0510264-04	41-TS2-S-1012-05		10/14/05 08:30			SONICATION	PAS

WORKGROUP SUMMARY BY METHOD

Analysis: Special Request - SV
Extraction Method: 3545
Workgroup: WG198622

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0510264-01	41-BG1-S-1012-05		10/14/05 08:30			ASE	PAS
L0510264-02	41-BG2-S-1012-05		10/14/05 08:30			ASE	PAS
L0510264-03	41-BF2-S-1012-05		10/14/05 08:30			ASE	PAS
L0510264-04	41-TS2-S-1012-05		10/14/05 08:30			ASE	PAS

Analysis: Special List - 8260
Analytical Method: 8260B
Workgroup: WG198627

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0510264-05	41-TB4-W-1012-05			10/14/05 11:41	01	HPMS8	CMS

Analysis: Special List - 8260
Extraction Method: 5030B
Workgroup: WG198627

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0510264-05	41-TB4-W-1012-05				198627	HPMS8	CMS

Analysis: TRPH-Florida PRO
Analytical Method: 8015MOD
Workgroup: WG198635

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0510264-01	41-BG1-S-1012-05		10/13/05 13:15	10/13/05 22:20	01	HP14	HV
L0510264-02	41-BG2-S-1012-05		10/13/05 13:15	10/13/05 22:54	01	HP14	HV
L0510264-03	41-BF2-S-1012-05		10/13/05 13:15	10/13/05 23:28	01	HP14	HV
L0510264-04	41-TS2-S-1012-05		10/13/05 13:15	10/14/05 00:01	01	HP14	HV

WORKGROUP SUMMARY BY METHOD

Analysis: Polynuclear Aromatics - Low Level
Analytical Method: 8270C
Workgroup: WG198649

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0510264-01	41-BG1-S-1012-05		10/13/05 13:08	10/14/05 19:43	01	HPMS7	CLK
L0510264-02	41-BG2-S-1012-05		10/13/05 13:08	10/14/05 18:50	DL01	HPMS7	CLK
L0510264-03	41-BF2-S-1012-05		10/13/05 13:08	10/14/05 17:58	01	HPMS7	CLK
L0510264-04	41-TS2-S-1012-05		10/13/05 13:08	10/14/05 19:17	01	HPMS7	CLK

Analysis: Metals Analysis
Extraction Method: 3050B
Workgroup: WG198652

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0510264-01	41-BG1-S-1012-05		10/14/05 06:30			HOT BLOCK	REK
L0510264-02	41-BG2-S-1012-05		10/14/05 06:30			HOT BLOCK	REK
L0510264-03	41-BF2-S-1012-05		10/14/05 06:30			HOT BLOCK	REK
L0510264-04	41-TS2-S-1012-05		10/14/05 06:30			HOT BLOCK	REK

Analysis: Metals Analysis
Analytical Method: 6010B
Workgroup: WG198673

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0510264-01	41-BG1-S-1012-05		10/14/05 06:30	10/17/05 11:12	01	IRIS-ICP	SLP
L0510264-02	41-BG2-S-1012-05		10/14/05 06:30	10/17/05 11:18	01	IRIS-ICP	SLP
L0510264-03	41-BF2-S-1012-05		10/14/05 06:30	10/14/05 14:46	01	IRIS-ICP	SLP
L0510264-03	41-BF2-S-1012-05		10/14/05 06:30	10/17/05 15:21	02	IRIS-ICP	SLP
L0510264-04	41-TS2-S-1012-05		10/14/05 06:30	10/17/05 11:24	01	IRIS-ICP	SLP

Analysis: PCB
Analytical Method: 8082
Workgroup: WG198674

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0510264-01	41-BG1-S-1012-05		10/14/05 08:30	10/14/05 23:54	01	HP4	ECL
L0510264-02	41-BG2-S-1012-05		10/14/05 08:30	10/15/05 00:13	01	HP4	ECL
L0510264-03	41-BF2-S-1012-05		10/14/05 08:30	10/15/05 00:32	01	HP4	ECL
L0510264-04	41-TS2-S-1012-05		10/14/05 08:30	10/15/05 00:51	01	HP4	ECL

WORKGROUP SUMMARY BY METHOD

Analysis: Mercury, Total
Extraction Method: METHOD
Workgroup: WG198680

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0510264-01	41-BG1-S-1012-05		10/14/05 12:30			HOT BLOCK	REK
L0510264-02	41-BG2-S-1012-05		10/14/05 12:30			HOT BLOCK	REK
L0510264-03	41-BF2-S-1012-05		10/14/05 12:30			HOT BLOCK	REK
L0510264-04	41-TS2-S-1012-05		10/14/05 12:30			HOT BLOCK	REK

Analysis: Polynuclear Aromatics - Low Level
Extraction Method: 3545
Workgroup: WG198681

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0510264-01	41-BG1-S-1012-05		10/14/05 13:45		198681	ASE	PAS
L0510264-02	41-BG2-S-1012-05		10/14/05 13:45		198681	ASE	PAS
L0510264-03	41-BF2-S-1012-05		10/14/05 13:45		198681	ASE	PAS
L0510264-04	41-TS2-S-1012-05		10/14/05 13:45		198681	ASE	PAS

Analysis: Pesticides
Analytical Method: 8081A
Workgroup: WG198689

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0510264-01	41-BG1-S-1012-05		10/14/05 08:30	10/19/05 12:56	CFDL1	HP15	ECL
L0510264-01	41-BG1-S-1012-05		10/14/05 08:30	10/19/05 19:01	CFDL2	HP15	ECL
L0510264-01	41-BG1-S-1012-05		10/14/05 08:30	10/19/05 12:29	DL01	HP15	ECL
L0510264-01	41-BG1-S-1012-05		10/14/05 08:30	10/19/05 18:33	DL02	HP15	ECL
L0510264-02	41-BG2-S-1012-05		10/14/05 08:30	10/19/05 18:05	C103	HP15	ECL
L0510264-02	41-BG2-S-1012-05		10/14/05 08:30	10/19/05 18:33	C203	HP15	ECL
L0510264-02	41-BG2-S-1012-05		10/14/05 08:30	10/19/05 12:29	CF02	HP15	ECL
L0510264-01	41-BG1-S-1012-05		10/14/05 08:30	10/14/05 17:27	01	HP9	ECL
L0510264-01	41-BG1-S-1012-05		10/14/05 08:30	10/14/05 17:55	CF01	HP9	ECL
L0510264-02	41-BG2-S-1012-05		10/14/05 08:30	10/14/05 17:55	01	HP9	ECL
L0510264-02	41-BG2-S-1012-05		10/14/05 08:30	10/14/05 18:23	CF01	HP9	ECL
L0510264-03	41-BF2-S-1012-05		10/14/05 08:30	10/14/05 18:23	01	HP9	ECL
L0510264-04	41-TS2-S-1012-05		10/14/05 08:30	10/14/05 18:52	01	HP9	ECL

WORKGROUP SUMMARY BY METHOD

Analysis: Herbicides
Extraction Method: METHOD
Workgroup: WG198702

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0510264-01	41-BG1-S-1012-05		10/14/05 16:00			SEP-FUNNEL	PAS
L0510264-02	41-BG2-S-1012-05		10/14/05 16:00			SEP-FUNNEL	PAS
L0510264-03	41-BF2-S-1012-05		10/14/05 16:00			SEP-FUNNEL	PAS
L0510264-04	41-TS2-S-1012-05		10/14/05 16:00			SEP-FUNNEL	PAS

Analysis: Percent Solids
Analytical Method: D2216-90
Workgroup: WG198707

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0510264-01	41-BG1-S-1012-05			10/14/05 16:00		OVEN	TMM
L0510264-02	41-BG2-S-1012-05			10/14/05 16:00		OVEN	TMM
L0510264-03	41-BF2-S-1012-05			10/14/05 16:00		OVEN	TMM
L0510264-04	41-TS2-S-1012-05			10/14/05 16:00		OVEN	TMM

Analysis: Special Request - SV
Analytical Method: 8270C
Workgroup: WG198740

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0510264-01	41-BG1-S-1012-05		10/14/05 08:30	10/14/05 18:04	01	HPMS4	CLK
L0510264-02	41-BG2-S-1012-05		10/14/05 08:30	10/14/05 18:39	DL01	HPMS4	CLK
L0510264-03	41-BF2-S-1012-05		10/14/05 08:30	10/14/05 16:54	01	HPMS4	CLK
L0510264-04	41-TS2-S-1012-05		10/14/05 08:30	10/14/05 17:29	01	HPMS4	CLK

Analysis: Herbicides
Analytical Method: 8151A
Workgroup: WG198747

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0510264-01	41-BG1-S-1012-05		10/14/05 16:00	10/17/05 10:08	01	HP15	ECL
L0510264-02	41-BG2-S-1012-05		10/14/05 16:00	10/17/05 10:35	01	HP15	ECL
L0510264-03	41-BF2-S-1012-05		10/14/05 16:00	10/17/05 11:01	01	HP15	ECL
L0510264-04	41-TS2-S-1012-05		10/14/05 16:00	10/17/05 11:28	01	HP15	ECL

WORKGROUP SUMMARY BY METHOD

Analysis: Mercury, Total
Analytical Method: 7471A
Workgroup: WG198754

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0510264-01	41-BG1-S-1012-05		10/14/05 12:30	10/17/05 11:57	01	HYDRA	CRC
L0510264-02	41-BG2-S-1012-05		10/14/05 12:30	10/17/05 12:01	01	HYDRA	CRC
L0510264-03	41-BF2-S-1012-05		10/14/05 12:30	10/17/05 12:03	01	HYDRA	CRC
L0510264-04	41-TS2-S-1012-05		10/14/05 12:30	10/17/05 12:04	01	HYDRA	CRC

Analysis: Corrosivity pH
Analytical Method: 9045C
Workgroup: WG198771

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0510264-01	41-BG1-S-1012-05			10/14/05 15:20		ORION-710A	DR
L0510264-02	41-BG2-S-1012-05			10/14/05 15:20		ORION-710A	DR
L0510264-03	41-BF2-S-1012-05			10/14/05 15:20		ORION-710A	DR
L0510264-04	41-TS2-S-1012-05			10/14/05 15:20		ORION-710A	DR

Analysis: special list-8260
Analytical Method: 8260B
Workgroup: WG198807

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0510264-01	41-BG1-S-1012-05			10/17/05 23:31	01	HPMS11	CMS
L0510264-02	41-BG2-S-1012-05			10/18/05 00:03	01	HPMS11	CMS
L0510264-03	41-BF2-S-1012-05			10/18/05 00:35	01	HPMS11	CMS
L0510264-04	41-TS2-S-1012-05			10/18/05 01:08	01	HPMS11	CMS

Analysis: special list-8260
Extraction Method: 5030B
Workgroup: WG198807

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0510264-01	41-BG1-S-1012-05				198807	HPMS11	CMS
L0510264-02	41-BG2-S-1012-05				198807	HPMS11	CMS
L0510264-03	41-BF2-S-1012-05				198807	HPMS11	CMS
L0510264-04	41-TS2-S-1012-05				198807	HPMS11	CMS

WORKGROUP SUMMARY BY METHOD

Analysis: Herbicides
Extraction Method: METHOD
Workgroup: WG198828

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0510264-01	41-BG1-S-1012-05		10/18/05 08:30		198828	SEP-FUNNEL	PAS
L0510264-02	41-BG2-S-1012-05		10/18/05 08:30		198828	SEP-FUNNEL	PAS
L0510264-03	41-BF2-S-1012-05		10/18/05 08:30		198828	SEP-FUNNEL	PAS
L0510264-04	41-TS2-S-1012-05		10/18/05 08:30		198828	SEP-FUNNEL	PAS

Analysis: special list-8260
Analytical Method: 8260B
Workgroup: WG198872

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0510264-04	41-TS2-S-1012-05			10/18/05 15:59	A1	HPMS11	CMS

Analysis: special list-8260
Extraction Method: 5030B
Workgroup: WG198872

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0510264-04	41-TS2-S-1012-05				198872	HPMS11	CMS

Analysis: Polynuclear Aromatics - Low Level
Analytical Method: 8270C
Workgroup: WG198899

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0510264-01	41-BG1-S-1012-05		10/14/05 13:45	10/19/05 12:01	REDL1	HPMS7	CLK
L0510264-02	41-BG2-S-1012-05		10/14/05 13:45	10/19/05 12:27	REDL1	HPMS7	CLK
L0510264-03	41-BF2-S-1012-05		10/14/05 13:45	10/19/05 05:28	RE1	HPMS7	CLK
L0510264-04	41-TS2-S-1012-05		10/14/05 13:45	10/19/05 11:35	RE1	HPMS7	CLK

WORKGROUP SUMMARY BY METHOD

Analysis: Herbicides
Analytical Method: 8151A
Workgroup: WG198906

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0510264-01	41-BG1-S-1012-05		10/18/05 08:30	10/18/05 19:34	RE01	HP15	HAV
L0510264-02	41-BG2-S-1012-05		10/18/05 08:30	10/18/05 20:01	RE01	HP15	HAV
L0510264-03	41-BF2-S-1012-05		10/18/05 08:30	10/18/05 20:27	RE01	HP15	HAV
L0510264-04	41-TS2-S-1012-05		10/18/05 08:30	10/18/05 20:54	RE01	HP15	HAV

1.2 Attachments

AJF - AMANDA J. FICKIESEN
ALB - ANNIE L. BOCK
ALT - ANN L. THAYER
BRG - BRENDA R. GREGORY
CAF - CHERYL A. FLOWERS
CAK - CHERYL A. KOELSCH
CEB - CHAD E. BARNES
CLC - CHRYS L. CRAWFORD
CLK - CARL L. KING
CLS - CARA L. STRICKLER
CLW - CHARISSA L. WINTERS
CM - CHARLIE MARTIN
CMS - CRYSTAL M. STEPHENS
CPD - CHAD P. DAVIS
CRC - CARLA R. COCHRAN
CSA - LUCINDA S. ARNOLD
CSH - CHRIS S. HILL
DAS - DALLAS A. SULLIVAN
DD - DIANE M. DENNIS
DDE - DEBRA D. ELLIOTT
DEL - DON E. LIGHTFRITZ
DEV - DAVID E. VANDENBERG
DGB - DOUGLAS G. BUTCHER
DIH - DEANNA I. HESSON
DLB - DAVID L. BUMGARNER
DLP - DOROTHY L. PAYNE
DLR - DIANNA L. RAUCH
DOV - DENISE O. VANDENBERG
DR - DEANNA ROBERTS
DRB - DOUG R. BARNETT
DSM - DAVID S. MOSSOR
DST - DENNIS S. TEPE
ECL - ERIC C. LAWSON
ED - EMILY E. DECKER
HAV - HEMA VILASAGAR
JAL - JOHN A. LENT
JKT - JANE K. THOMPSON
JLS - JANICE L. SCHIMMEL
JWR - JOHN W. RICHARDS
JWS - JACK W. SHEAVES
JYH - JI Y. HU
KCZ - KEVIN C. ZUMBRO
KEB - KATHRYN E. BARNES
KHR - KIM H. RHODES
KRA - KATHY R. ALBERTSON
LKN - LINDA K. NEDEFF
LSB - LESLIE S. BUCINA
MAH - MICALYN A. HARRIS
MDA - MIKE D. ALBERTSON
MDC - MICHAEL D. COCHRAN
MES - MARY E. SCHILLING
MKZ - MARILYN K. ZUMBRO
MLR - MARY L. ROCHOTTE
MLS - MICHAEL L. SCHIMMEL
MMB - MAREN M. BEERY
MSW - MATT S. WILSON
NJB - NATALIE J. BOOTH
OGT - OKEY G. TUCKER
PAS - PATRICK A. STREET
PJM - PAUL J. MILLER
RB - ROBERT BUCHANAN
RDC - REBECCA D. CUTLIP
REK - ROBERT E. KYER
RWC - RODNEY W. CAMPBELL
SCM - SUSAN C. MOELLENDICK
SLM - STEPHANIE L. MOSSBURG
SLP - SHERI L. PFALZGRAF
SMH - SHAUNA M. HYDE
TMB - TIFFANY M. BAILEY
TMM - TAMMY M. MORRIS
VC - VICKI COLLIER
VKL - VICKY K. LAUER
WFM - WALTER F. MARTIN

KEMRON Environmental Services, Inc.
List of Valid Qualifiers
October 24, 2005

These are KEMRON's standard report qualifiers:

B	Present in the method blank
C	Confirmed by GC/MS
CG	Confluent growth
D	The analyte was quantified as a secondary dilution factor
DL	Surrogate or spike was diluted out
E	Estimated concentration due to sample matrix interference
FL	Free liquid
I	Semi-quantitative result, out of instrument calibration range
J	Present below normal reporting limit
L	Sample reporting limits elevated due to matrix interference
N	Tentatively Identified Compound (TIC)
NA	Not applicable
ND	Not detected at or above the reporting limit (RL)
NF	Not found
NFL	No free liquid
NI	Non-ignitable
NS	Not spiked
P	Concentration >40% difference between the two GC columns
QNS	Quantity not sufficient to perform analysis
RA	Reanalysis confirms reported results
RE	Reanalysis confirms sample matrix interference
S	Analyzed by method of standard addition
SMI	Sample matrix interference on surrogate
SP	Reported results are for spike compounds only
TNTC	Too numerous to count
U	Analyzed for but not detected
W	Post-digestion spike for furnace AA out out of control limits
X	Exceeds regulatory limit
Z	Can not be resolved from isomer.***
+	Correlation coefficient for the MSA is less than 0.995
<	Less than
>	Greater than
*	Surrogate or spike compound out of range

*****Special Notes for Organic Analytes**

1. Acrolein and acrylonitrile by method 624 are semi-quantitative screens only.
2. 1,2-Diphenylhydrazine is unstable and is reported as azobenzene.
3. N-nitrosodiphenylamine cannot be separated from diphenylamine.
4. 3-Methyphenol and 4-Methylphenol are unresolvable compounds.
5. m-Xylene and p-Xylene are unresolvable compounds.
6. The reporting limits for Appendix II/IX compounds by method 8270 are based on EPA estimated PQLs referenced in 40 CFR Part 264, Appendix IX. They are not always achievable for every compound and are matrix dependent.

AFCEE Qualifiers

These are KEMRON's AFCEE Report Qualifiers

J	The analyte was positively identified, the quantitiation is an estimation.
U	The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL
F	The anlyte was positively identified by the associated numerical value is below the RL
R	The data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria
B	The analyte was found in an associated blank, as well as in the sample
M	The matrix effect was present
S	To be applied to all field screening data
T	Tentatively identified compound (using GC/MS)

CH2MHILL Constructors, Inc.
115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No: (770) 604-9182
Fax No: (770) 604-9282

CHAIN-OF-CUSTODY RECORD

COC NUMBER
334939-004 Page 1 of 1

PROJECT NAME:	PROJECT NUMBER:	LAB NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 1 (Name and Company)	RECIPIENT 1 (Address, Tel No. , and Fax No.):
S-3 Viking Plane Crash NAS Jacksonville, FL	334939	Kemron Environmental Services Cheryl	Kama White / Bethany Garvey CH2M Hill Constructors, Inc.	115 Perimeter Center Place, N.E. Suite 700 Atlanta, GA 30346 (770)604-9182 Ext.561 FAX:604-9282
PROJECT PHASE/SITE/TASK:	CTO OR DO NUMBER:	LAB PO NUMBER:	FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 2 (Name and Company)	RECIPIENT 2 (Address, Tel No. , and Fax No.):
Backfill/Top Soil/Background Soil Sampling	0041		Greg Wilfley CH2M Hill Constructors, Inc.	115 Perimeter Center Place, N.E. Suite 700 Atlanta, GA 30346 (770)604-9182 Ext.561 FAX:604-9282
PROJECT CONTACT:	PROJECT TEL NO AND FAX NO:	LAB TEL NO AND FAX NO:	FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 3 (Name and Company)	RECIPIENT 3 (Address, Tel No. , and Fax No.):
Greg Wilfley	Ph:770-604-9182 Fax: 770-604-9282	Ph: 740-373-4071 Fax: 740-373-4835		

ANALYSES REQUIRED (Include Method Numbers)

ITEM	SAMPLE IDENTIFIER	SAMPLE DESCRIPTION/LOCATION	MATRIX (see codes on back)	DATE COLLECTED	TIME COLLECTED	DATA PKG LEVEL (see codes on back)	TAT (calendar days)	TCL Volatiles by 5035/8260B (GRAB)	TCL Semi-volatiles(8270C),TRPH (FL-PRO),PAHs by Low Level 8270C, Pesticides by 8081A, PCBs by 8082, Herbicides by 8151A.	TAL Metals by 6010A/7471A, pH by 9045B			SAMPLE TYPE (see codes on back)	COMMENTS/ SCREENING READINGS	LAB ID
1	41-BG1-S-1012-05	Characterization of Background material #1	S	10/12/05	1325	III/C	4 Day	4	1	1			Grab / Composite		
2	41-BG2-S-1012-05	Characterization of Background material #2	S	10/12/05	1345	III/C	4 Day	4	1	1			Grab / Composite		
3	41-BF2-S-1012-05	Characterization of backfill material source #2	S	10/12/05	1525	III/C	4 Day	4	1	1			Grab / Composite		
4	41-TS2-S-1012-05	Characterization of top soil material Source #2	S	10/12/05	1540	III/C	4 Day	4	1	1			Grab / Composite		
5	41-TB4-W-1012-05	Trip Blank #4	W	10/12/05	NA	III/C	4 Day	2					Grab	Prepared by Lab	
6	41-TEMP-W-1012-05	Temperature Blank	W	10/12/05	NA	III/C	4 Day				1		Grab	Prepared by Lab	
7															
8															
9															
10															

SAMPLER(S) AND COMPANY: (please print)	COURIER AND SHIPPING NUMBER:
R. Dumaop / D. Waske CH2M HILL / AGVIQ / DNT	Federal Express Tracking Number: 791753912120.

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
R.Dumaop	10/12/2005	18:00	Federal Express Tracking Number: 791753912120.	10/12/2005	18:00
Printed Name and Signature:			Printed Name and Signature: Brenda Gregory / Brenda Gregory	10/13/05	1050
Printed Name and Signature:			Printed Name and Signature:		

Distribution: [ ] Original - Laboratory (To be returned with Analytical Report); [ ] Copy 1 - Project File; [ ] Copy 2 - PMO

Form CCI001, Rev 01/00

Clc sealed
sip intact
cooler temp 0 bra

KEMRON Environmental Services
Internal Chain of Custody Report

Login: L0510264
Account: 2821
Project: 2821.004
Samples: 5
Due Date: 17-OCT-2005

Samplenum	Container ID	Products
L0510264-01	160444	COR-PH HG FE PB MG MN BA BE CD CA CR CO CU NI

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			13-OCT-2005 12:57	BRG	
2	PREP	L1	DIG	13-OCT-2005 13:12	REK	CLS
3	STORE	DIG	W1	14-OCT-2005 14:38	BRG	REK
4	ANALYZ	W1	WET	14-OCT-2005 15:40	DR	BRG
5	STORE	WET	A1	17-OCT-2005 09:34	BRG	TMM

Samplenum	Container ID	Products
L0510264-01	160445	8081 8082 8151 827-PAHL 827-SPE FLA-PRO

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			13-OCT-2005 12:57	BRG	
2	PREP	W1	EXT	13-OCT-2005 13:06	CEB	CLS
3	STORE	EXT	W1	13-OCT-2005 13:47	CLS	CEB
4	PREP	W1	EXT	14-OCT-2005 07:11	CEB	BRG
5	STORE	EXT	W1	14-OCT-2005 09:43	BRG	CEB
6	PREP	W1	EXT	14-OCT-2005 13:33	CEB	BRG
7	STORE	EXT	W1	14-OCT-2005 14:26	BRG	CEB
8	PREP	W1	EXT	14-OCT-2005 15:46	CEB	BRG
9	STORE	EXT	A1	14-OCT-2005 16:17	BRG	CEB
10	PREP	A1	EXT	18-OCT-2005 06:44	CEB	BRG
11	STORE	EXT	A1	18-OCT-2005 08:50	CLS	CEB

Samplenum	Container ID	Products
L0510264-01	160446	826-SPE G-40-T2

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			13-OCT-2005 12:57	BRG	
2	ANALYZ	F1	VOAY	13-OCT-2005 15:43	JLS	CLS

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			13-OCT-2005 12:57	BRG	
2	ANALYZ	F1	VOAY	13-OCT-2005 15:43	JLS	CLS

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			13-OCT-2005 12:57	BRG	
2	ANALYZ	F1	VOAY	13-OCT-2005 15:43	JLS	CLS

KEMRON Environmental Services
Internal Chain of Custody Report

Login: L0510264
Account: 2821
Project: 2821.004
Samples: 5
Due Date: 17-OCT-2005

Samplenum	Container ID	Products
L0510264-02	160447	COR-PH HG FE PB MG MN BA BE CD CA CR CO CU NI

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			13-OCT-2005 12:57	BRG	
2	PREP	L1	DIG	13-OCT-2005 13:12	REK	CLS
3	STORE	DIG	W1	14-OCT-2005 14:38	BRG	REK
4	ANALYZ	W1	WET	14-OCT-2005 15:40	DR	BRG
5	STORE	WET	A1	17-OCT-2005 09:34	BRG	TMM

Samplenum	Container ID	Products
L0510264-02	160448	8081 8082 8151 827-PAHL 827-SPE FLA-PRO

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			13-OCT-2005 12:57	BRG	
2	PREP	W1	EXT	13-OCT-2005 13:06	CEB	CLS
3	STORE	EXT	W1	13-OCT-2005 13:47	CLS	CEB
4	PREP	W1	EXT	14-OCT-2005 07:11	CEB	BRG
5	STORE	EXT	W1	14-OCT-2005 09:43	BRG	CEB
6	PREP	W1	EXT	14-OCT-2005 13:33	CEB	BRG
7	STORE	EXT	W1	14-OCT-2005 14:26	BRG	CEB
8	PREP	W1	EXT	14-OCT-2005 15:46	CEB	BRG
9	STORE	EXT	A1	14-OCT-2005 16:17	BRG	CEB
10	PREP	A1	EXT	18-OCT-2005 06:44	CEB	BRG
11	STORE	EXT	A1	18-OCT-2005 08:50	CLS	CEB

Samplenum	Container ID	Products
L0510264-02	160449	826-SPE G-40-T2

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			13-OCT-2005 12:57	BRG	
2	ANALYZ	F1	VOAY	13-OCT-2005 15:43	JLS	CLS

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			13-OCT-2005 12:57	BRG	
2	ANALYZ	F1	VOAY	13-OCT-2005 15:43	JLS	CLS

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			13-OCT-2005 12:57	BRG	
2	ANALYZ	F1	VOAY	13-OCT-2005 15:43	JLS	CLS

KEMRON Environmental Services
Internal Chain of Custody Report
Login: L0510264
Account: 2821
Project: 2821.004
Samples: 5
Due Date: 17-OCT-2005

Samplenum	Container ID	Products
L0510264-03	160450	COR-PH HG FE PB MG MN BA BE CD CA CR CO CU NI

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			13-OCT-2005 12:57	BRG	
2	PREP	L1	DIG	13-OCT-2005 13:12	REK	CLS
3	STORE	DIG	W1	14-OCT-2005 14:38	BRG	REK
4	ANALYZ	W1	WET	14-OCT-2005 15:40	DR	BRG
5	STORE	WET	A1	17-OCT-2005 09:34	BRG	TMM

Samplenum	Container ID	Products
L0510264-03	160451	8081 8082 8151 827-PAHL 827-SPE FLA-PRO

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			13-OCT-2005 12:57	BRG	
2	PREP	W1	EXT	13-OCT-2005 13:07	CEB	CLS
3	STORE	EXT	W1	13-OCT-2005 13:47	CLS	CEB
4	PREP	W1	EXT	14-OCT-2005 07:11	CEB	BRG
5	STORE	EXT	W1	14-OCT-2005 09:43	BRG	CEB
6	PREP	W1	EXT	14-OCT-2005 13:33	CEB	BRG
7	STORE	EXT	W1	14-OCT-2005 14:26	BRG	CEB
8	PREP	W1	EXT	14-OCT-2005 15:46	CEB	BRG
9	STORE	EXT	A1	14-OCT-2005 16:17	BRG	CEB
10	PREP	A1	EXT	18-OCT-2005 06:44	CEB	BRG
11	STORE	EXT	A1	18-OCT-2005 08:50	CLS	CEB

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			13-OCT-2005 12:57	BRG	
2	STORE	W1	A1	13-OCT-2005 13:51	BRG	BRG

KEMRON Environmental Services
Internal Chain of Custody Report

Login: L0510264
Account: 2821
Project: 2821.004
Samples: 5
Due Date: 17-OCT-2005

Samplenum	Container ID	Products
L0510264-03	160452	826-SPE G-40-T2

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			13-OCT-2005 12:57	BRG	
2	ANALYZ	F1	VOAY	13-OCT-2005 15:43	JLS	CLS

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			13-OCT-2005 12:57	BRG	
2	ANALYZ	F1	VOAY	13-OCT-2005 15:43	JLS	CLS

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			13-OCT-2005 12:57	BRG	
2	ANALYZ	F1	VOAY	13-OCT-2005 15:43	JLS	CLS

Samplenum	Container ID	Products
L0510264-04	160453	FE PB MG MN BA BE CD CA CR CO CU NI K SE AG NA

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			13-OCT-2005 12:57	BRG	
2	PREP	L1	DIG	13-OCT-2005 13:12	REK	CLS
3	STORE	DIG	W1	14-OCT-2005 14:38	BRG	REK
4	ANALYZ	W1	WET	14-OCT-2005 15:40	DR	BRG
5	STORE	WET	A1	17-OCT-2005 09:34	BRG	TMM

KEMRON Environmental Services
Internal Chain of Custody Report
Login: L0510264
Account: 2821
Project: 2821.004
Samples: 5
Due Date: 17-OCT-2005

Samplenum	Container ID	Products
L0510264-04	160454	8081 8082 8151 827-PAHL 827-SPE FLA-PRO

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			13-OCT-2005 12:57	BRG	
2	PREP	W1	EXT	13-OCT-2005 13:08	CEB	CLS
3	STORE	EXT	W1	13-OCT-2005 13:47	CLS	CEB
4	PREP	W1	EXT	14-OCT-2005 07:11	CEB	BRG
5	STORE	EXT	W1	14-OCT-2005 09:43	BRG	CEB
6	PREP	W1	EXT	14-OCT-2005 13:34	CEB	BRG
7	STORE	EXT	W1	14-OCT-2005 14:26	BRG	CEB
8	PREP	W1	EXT	14-OCT-2005 15:46	CEB	BRG
9	STORE	EXT	A1	14-OCT-2005 16:17	BRG	CEB
10	PREP	A1	EXT	18-OCT-2005 06:44	CEB	BRG
11	STORE	EXT	A1	18-OCT-2005 08:50	CLS	CEB

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			13-OCT-2005 12:57	BRG	
2	STORE	W1	A1	13-OCT-2005 13:51	BRG	BRG

Samplenum	Container ID	Products
L0510264-04	160455	826-SPE G-40-T2

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			13-OCT-2005 12:57	BRG	
2	ANALYZ	F1	VOAY	13-OCT-2005 15:43	JLS	CLS

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			13-OCT-2005 12:57	BRG	
2	ANALYZ	F1	VOAY	13-OCT-2005 15:43	JLS	CLS

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			13-OCT-2005 12:57	BRG	
2	ANALYZ	F1	VOAY	13-OCT-2005 15:43	JLS	CLS

KEMRON Environmental Services
Internal Chain of Custody Report

Login: L0510264
Account: 2821
Project: 2821.004
Samples: 5
Due Date: 17-OCT-2005

Samplenum	Container ID	Products
L0510264-05	160456	826-SPE

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			13-OCT-2005 12:57	BRG	
2	ANALYZ	V1	ORG4	13-OCT-2005 14:20	JLS	CLS

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			13-OCT-2005 12:57	BRG	
2	ANALYZ	V1	ORG4	13-OCT-2005 14:20	JLS	CLS

SAMPLE RECEIPT FORM ~~B754~~ B738 1050 P807

Date: 10-13-05 Client: DOWCH2

156 STARLITE DRIVE
MARIETTA, OH
45750
(740) 373-4071

Shipped By: ( ) Fed-Ex ( ) UPS ( )DHL ( ) KEMRON ( ) Client ( ) Other

Opened By: BLG

Logged By: BLG Login # L05 10264

IR Temp Gun: ( ) D (✓) F

COOLER INFORMATION

Number	Cooler ID	Temp °C	Airbill#	COC#	Other
1	421	0	791753912120		
2					
3					
4					
5					
6					

Were all coolers sealed?	Y	N	N/A
Were custody seals used on all coolers?	Y	N	N/A
Were custody seals intact?	Y	N	N/A
Was visible ice present?	Y	N	N/A
Were all coolers in the temperature range of 2-6C? (>6C*)	Y	N	N/A
Were the samples frozen?*	Y	N	N/A
Were COC papers provided?	Y	N	N/A
Were all sample containers intact?*	Y	N	N/A
Were all sample labels intact?	Y	N	N/A
Were all sample labels legible?*	Y	N	N/A
Did all sample labels match the COC?*	Y	N	N/A
Was the label information complete?*	Y	N	N/A
Were the correct containers used?*	Y	N	N/A
Were the correct preservatives added to water samples?*	Y	N	N/A
Was the pH tested on preserved water samples?	Y	N	N/A
Were pH ranges acceptable?*	Y	N	N/A
Was sufficient amount of sample provided?*	Y	N	N/A
Were bubbles present in VOA samples?*	Y	N	N/A
Were COC's signed and dated?	Y	N	N/A
Did samples arrive before hold time expired?*	Y	N	N/A
Are discrepancy forms attached?	Y	N	N/A

**Requires a discrepancy form*

Comments:

CRF #1
Revised 8/22/03

2.0 Full Sample Data Package

2.1 Volatiles Data

2.1.1 Volatiles GCMS Data (8260)

2.1.1.1 QC Summary

KEMRON ENVIRONMENTAL SERVICES
GC/MS VOLATILE ORGANICS

KEMRON Login No.: L0510264

METHOD

Preparation: SW-846 5030B, 5035

Analysis: SW-846 8260B

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Samples collected via 5035 preserved by freezing. Sample preparation preceeded normally.

CALIBRATION

Initial Calibration: For all compounds which yielded a %RSD greater than 15%, linear or higher order equations were applied or if the mean %RSD for all analytes was less than 15% the average response factors were used. All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibration and Tune: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Matrix Spike: The MS/MSD results were not associated with this sample delivery group (SDG).

SAMPLES

Internal Standards: 1,4-Dichlorobenzene-d4 and chlorobenzene-d5 were below the lower control limits in the analysis of sample 04; 1,4-dichlorobenzene-d4 was below the lower control limit in the re-analysis of sample 04. All other acceptance criteria were met.

Surrogates: 4-Bromofluorobenzene and toluene-d8 exceeded the upper control limit in the analysis of sample 04 and the re-analysis of sample 04. All other acceptance criteria were met.

Samples: All acceptance criteria were met.

Manual Integration Reason Codes

KEMRON laboratory management has identified four general cases with valid reasons supporting the use of manual integration techniques.

Reason #1: Data System Fails to Select Correct Peak

In some cases the chromatography system selects and integrates the ”wrong peak”. In this case the analyst must correct the selection and force the system to integrate the proper peak. Other times the system may miss the peak completely.

Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak.

This phenomena is common at low concentrations where the signal:noise ratio is low. A single compound (peak) is incorrectly split into multiple peaks or integrated as a main peak with one or more rider peaks resulting in low area counts for the target compound.

Reason #3: Improperly Integrated Isomers and/or coeluting compounds.

This system often fails to distinguish coeluting compounds and or isomers. The integration areas and concentrations are wrong, and they must be corrected by manual integration. Prime examples are benzo(k)fluoranthene and benzo(b)fluoranthene which are often unresolved and integrated improperly when both are present at low concentrations in standards or samples.

Reason #4: System Establishes Incorrect Baseline

There are numerous situations in chromatography where the system establishes the baseline incorrectly. Some baseline errors will be obvious to the analyst and should be corrected via manual procedures.

Reason #5: Miscellaneous

Other situations involving integration errors may require in-depth review and technical judgment. These cases should be brought to the attention of the laboratory management. If the form of manual integration is not clearly covered by these four cases, then review and approval by the Laboratory Director or the QA/QC Supervisor will be required.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: CMS

Approved: 20-OCT-05

KEMRON Environmental Services
Data Checklist

Date: 13-SEP-2005
Analyst: CMS
Analyst: NA
Method: 8260B/624
Instrument: HPMS8
Curve Workgroup: NA
Analytical Workgroups: WG196546

Runlog ID number:	6779
System Performance Check	X
BFB	X
Initial Calibration	X
Average RF	X
Linear Reg or Higher Order Curve	X
Second Source standard % Difference	X
Continuing Calibration /Check Standards	NA
Project/Client Specific Requirements	NA
Special Standards	NA
Blanks	NA
TCL's	NA
Surrogates	NA
LCS (Laboratory Control Sample)	NA
Recoveries	NA
Surrogates	NA
MS/MSD/Duplicates	NA
Samples	NA
TCL Hits	NA
Spectra of TCL Hits	NA
Surrogates	NA
Internal Standards Criteria	NA
Calculations & Correct Factors	NA
Dilutions Run	NA
Reruns	NA
Manual Integrations	X
Excel Spreadsheets	X
Case Narrative	NA
Narrative Summary	NA
Results Reporting/Data Qualifiers	NA
Client Data Package Assembly	NA
Check for Completeness	X
Primary Reviewer	CMS
Secondary Reviewer	MDA
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Check the resonableness of the results	X

Primary Reviewer: 13-SEP-2005

Secondary Reviewer: 14-SEP-2005

Generated: SEP-14-2005 10:26:29

KEMRON Environmental Services
Data Checklist

Date: 14-OCT-2005
Analyst: CMS
Analyst: NA
Method: 8260B/624
Instrument: HPMS8
Curve Workgroup: NA
Analytical Workgroups: WG198627

Runlog ID number:	7234
System Performance Check	X
BFB	X
Initial Calibration	X
Average RF	X
Linear Reg or Higher Order Curve	X
Second Source standard % Difference	X
Continuing Calibration /Check Standards	X
Project/Client Specific Requirements	X
Special Standards	NA
Blanks	X
TCL's	X
Surrogates	X
LCS (Laboratory Control Sample)	X
Recoveries	X
Surrogates	X
MS/MSD/Duplicates	NA
Samples	X
TCL Hits	X
Spectra of TCL Hits	X
Surrogates	X
Internal Standards Criteria	X
Calculations & Correct Factors	X
Dilutions Run	X
Reruns	NA
Manual Integrations	NA
Excel Spreadsheets	X
Case Narrative	X
Narrative Summary	NA
Results Reporting/Data Qualifiers	X
Client Data Package Assembly	X
Check for Completeness	X
Primary Reviewer	CMS
Secondary Reviewer	MDA
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Check the resonableness of the results	X

Primary Reviewer: 14-OCT-2005

Secondary Reviewer: 17-OCT-2005

Generated: OCT-17-2005 10:38:22

KEMRON Environmental Services
Data Checklist

Date: 17-OCT-2005
Analyst: CMS
Analyst: NA
Method: 8260B
Instrument: HPMS11
Curve Workgroup: NA
Analytical Workgroups: WG198725;WG198807

Runlog ID number:	7257
System Performance Check	X
BFB	X
Initial Calibration	X
Average RF	X
Linear Reg or Higher Order Curve	X
Second Source standard % Difference	X
Continuing Calibration /Check Standards	X
Project/Client Specific Requirements	X
Special Standards	NA
Blanks	X
TCL's	X
Surrogates	X
LCS (Laboratory Control Sample)	X
Recoveries	X
Surrogates	X
MS/MSD/Duplicates	X
Samples	X
TCL Hits	X
Spectra of TCL Hits	X
Surrogates	X
Internal Standards Criteria	X
Calculations & Correct Factors	X
Dilutions Run	NA
Reruns	X
Manual Integrations	X
Excel Spreadsheets	X
Case Narrative	X
Narrative Summary	NA
Results Reporting/Data Qualifiers	X
Client Data Package Assembly	X
Check for Completeness	X
Primary Reviewer	CMS
Secondary Reviewer	MDA
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Check the resonableness of the results	X

Primary Reviewer: 17-OCT-2005

Secondary Reviewer: 18-OCT-2005

Generated: OCT-18-2005 13:33:15

KEMRON Environmental Services
Data Checklist

Date: 18-OCT-2005
Analyst: CMS
Analyst: NA
Method: 8260B
Instrument: HPMS11
Curve Workgroup: NA
Analytical Workgroups: WG198872

Runlog ID number:	7277
System Performance Check	X
BFB	X
Initial Calibration	X
Average RF	X
Linear Reg or Higher Order Curve	X
Second Source standard % Difference	X
Continuing Calibration /Check Standards	X
Project/Client Specific Requirements	X
Special Standards	NA
Blanks	X
TCL's	X
Surrogates	X
LCS (Laboratory Control Sample)	X
Recoveries	X
Surrogates	X
MS/MSD/Duplicates	NA
Samples	X
TCL Hits	X
Spectra of TCL Hits	X
Surrogates	X
Internal Standards Criteria	X
Calculations & Correct Factors	X
Dilutions Run	X
Reruns	X
Manual Integrations	X
Excel Spreadsheets	X
Case Narrative	X
Narrative Summary	NA
Results Reporting/Data Qualifiers	X
Client Data Package Assembly	X
Check for Completeness	X
Primary Reviewer	CMS
Secondary Reviewer	MDA
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Check the resonableness of the results	X

Primary Reviewer: 18-OCT-2005

Secondary Reviewer: 19-OCT-2005

Generated: OCT-19-2005 12:09:22

8260B Example Calculations

1). Calculate relative response factor (RRF) for each target and surrogate in initial calibration (ICAL):

$$RRF = \frac{(A_s)(C_{is})}{(A_{is})(C_s)} \qquad Example: RRF = \frac{(25000)(25)}{(10000)(50)} = 1.25$$

where:

A_s **= peak area of the analyte or surrogate**
A_{is} **= peak area of the internal standard**
C_s **= concentration of the analyte or surrogate (**$\mu g/L$**)**
C_{is} **= concentration of the internal standard (**$\mu g/L$**)**

2). Calculate mean RRF ($\overline{RRF}$**) for each target and surrogate:**

$$\overline{RRF} = \frac{\sum_{1}^{n} RRF}{n}$$

$$where: \overline{RRF} = 1.25$$

3). Calculate concentration (C_x**) of target or surrogate from internal standard calibration: (**$\mu g/L$**,** $\mu g/Kg$**)**

$$C_x = \frac{(A_s)(C_{is})(D)}{(A_{is})(\overline{RRF})(V_f)} \qquad C_x = \frac{(25,000)(250)(1)}{(20,000)(1.25)(10)} = 25$$

where:

A_s **= peak area of the analyte or surrogate**
C_{is} **= concentration of the internal standard (ng)**
D **= dilution factor for the sample (**$\frac{1}{10} = 10$**)**
A_{is} **= peak area of the internal standard**
$\overline{RRF}$ **= average RRF for the analyte or surrogate**
V_f **= purge volume of water sample (mL); for soils enter sample weight (g)**

4). Correction of soils results to dry weight (C_d**): (**$\mu g/kg$**):**

$$C_d = \frac{(C_x)(100)}{\%solids} \qquad C_d = \frac{(25)(100)}{50} = 50$$

where:

C_x **= uncorrected wet weight concentration (**$\mu g/Kg$**)**
$\%solids$ **= percent solids content of the sample**

VOA Preservation and Extraction Log

Analyst: GJ Date Preserved: 10/13/05 Method: 8260

Client	Sample #	Fraction ID	Date Collected	Time Collected	Time Preserved	Tare Wt. (g)	Total Wt. (g)	Sample Wt. (g)	Water Vol. (mL)	Methanol Vol. (mL)	Comments	Team Notified
CH2MHILL	L0510260-10	A	10/10/05	1115	NA	31.847	37.83	5.98	NA	NA	6. Field preserved w/ H_2O	NA
↓	↓ 11	↓	↓	1155	↓	31.412	37.30	5.89	↓	↓	↓	↓
OEPA	L0510124-06	NA	10/5/05	NA	NA	NA	NA	4.87	5	NA	NA	↓
CH2MHILL	L0510264-01	A	10/13/05	1325	↓	30.786	34.58	3.79	NA	NA	6. Field preserved w/ H_2O	↓
↓	↓ 02	↓	↓	1345	↓	30.682	34.15	4.68	↓	↓	↓	↓
↓	↓ 03	↓	↓	1525	↓	31.617	34.72	3.10	↓	↓	↓	↓
↓	↓ 04	↓	↓	1540	↓	31.739	35.26	3.52	↓	↓	↓	↓

GJ 10/13/05

Comments:
1 = improperly sealed cap
2 = improperly sealed plunger
3 = preserved out of hold (past 48 hours from time of collection)
4 = effervesced
5 = no NaHSO4 (sodium bisulfate)
6 = frozen / no NaHSO4 added

Reviewed by: CW 10/14/05

VOA Preservation and Extraction Log

Analyst: CMS Date Preserved: 10/17/05 Method: 8260B

Client	Sample #	Fraction ID	Date Collected	Time Collected	Time Preserved	Tare Wt. (g)	Total Wt. (g)	Sample Wt. (g)	Water Vol. (mL)	Methanol Vol. (mL)	Comments	Team Notified
Versar-CO-454	L0510204-01	A	10/10/05	0910	1730	NA	NA	5.13	5	NA		
CH2M HILL	L0510255-01	B	10/12/05	1255	NA	30.023	32.98	2.96	NA	NA	6, Field pres. in H_2O	
	L0510264-01	B	10/12/05	1325	NA	30.660	34.23	3.57			6,	
	L0510325-01	A	10/14/05	1655	NA	30.587	34.62	4.03			6,	
	-02			1705		31.072	35.45	4.38			6	
	-03			1715		30.032	33.98	3.95				
	-04			1725		30.458	34.67	4.21				
	-05			1735		30.607	34.79	4.18				
	-06			1745		30.059	34.80	4.74				
URS-246	L0510271-02		10/12/05	0840		32.52	37.23	4.71				
	-09			1125		32.46	37.33	4.87				
	-10MS					32.27	36.94	4.67				
	-11MSD					32.70	37.49	4.79				
	-20			1410		32.51	36.96	4.45				

10/20/05

Comments:
1 = improperly sealed cap
2 = improperly sealed plunger
3 = preserved out of hold (past 48 hours from time of collection)
4 = effervesced
5 = no NaHSO4 (sodium bisulfate)
6 = frozen / no NaHSO4 added

Reviewed by: _____

VOA Preservation and Extraction Log

Analyst: CWS Date Preserved: 10/18/05 Method: 8260B

Client	Sample #	Fraction ID	Date Collected	Time Collected	Time Preserved	Tare Wt. (g)	Total Wt. (g)	Sample Wt. (g)	Water Vol. (mL)	Methanol Vol. (mL)	Comments	Team Notified
CH2MHILL	L0510345-01	A	10/17/05	1311	NA	30.581	34.97	4.39	NA	NA	6, Field pres. in H_2O	
	-02			1300		31.066	35.37	4.30				
	-03			1307		30.010	34.63	4.62				
	-04			1303		30.255	34.25	4.00				
	-05			1234		30.660	34.60	3.94				
	-06			1237		30.692	34.88	4.19				
	-07			1243		30.784	34.90	4.12				
	10/18/05 CWS -09			B19 ~~1247~~ 10/18/05 CWS		30.878	36.81	5.93				
	-08			1247		30.731	34.00	3.27				
	L0510260-07	B	10/12/05	1010		31.573	37.32	5.74			6	
	L0510264-04	B	10/12/05	1540		31.804	34.97	3.17				
URS-246	L0510152-01	B	10/6/05	0805	before 1700	NA	NA	5.03	5	NA		
	L0510262-01	B	10/12/05	1410				5.00				
	-02			1430				5.01				
	-03			1430				5.01				
OEPA-781	L0510329-01	A	10/5/05	1440				4.95				
Toltest-817	L0510312-01	A	10/13/05	1046				5.05				
	-02			1056				4.99				
BRKAFB016	L0510318-01	NA	10/4/05	—	—	—	—	1.08	—	TV=10		

@10/20/05

TV = Total Volume

Comments:
1 = improperly sealed cap
2 = improperly sealed plunger
3 = preserved out of hold (past 48 hours from time of collection)
4 = effervesced
5 = no NaHSO4 (sodium bisulfate)
6 = frozen / no NaHSO4 added

Reviewed by: _____

KEMRON Environmental Services

Instrument Run Log

Instrument: HPMS8 Dataset: 091305
Analyst1: CMS Analyst2: NA
Method: 8260B SOP: MSV01 Rev: 6
Method: 624 SOP: MSV10 Rev: 6
Method: 5030B SOP: PAT01 Rev: 8

Internal Standard: SV14627 Surrogate Standard: SV14628
CCV: SV14649 LCS: SV14644 MS/MSD: NA

Column 1 ID: RTX502.2 Column 2 ID: NA

Workgroups: WG196546

Seq.	File ID	Sample Information	pH	Mat	Dil	Reference	Date/Time
1	8M322481	WG196546-01 BFB 50ng STD 8260	NA	1	1	SV14612	09/13/05 07:28
2	8M322482	WG196546-02 50ug/L STD 8260	NA	1	1	SV14638	09/13/05 08:00
3	8M322483	SYSTEM BLANK	NA	1	1		09/13/05 08:43
4	8M322484	WG196546-06 5ug/L STD 8260	NA	1	1	SV14649	09/13/05 09:19
5	8M322485	WG196546-05 2ug/L STD 8260	NA	1	1	SV14649	09/13/05 09:49
6	8M322486	WG196546-04 1ug/L STD 8260	NA	1	1	SV14649	09/13/05 10:19
7	8M322487	WG196546-03 0.40ug/L STD 8260	NA	1	1	SV14649	09/13/05 10:52
8	8M322488	WG196546-02 0.30ug/L STD 8260	NA	1	1	SV14649	09/13/05 11:22
9	8M322489	WG196546-07 20ug/L STD 8260	NA	1	1	SV14649	09/13/05 11:54
10	8M322490	WG196546-08 50ug/L STD 8260	NA	1	1	SV14649	09/13/05 12:24
11	8M322491	WG196546-09 100ug/L STD 8260	NA	1	1	SV14649	09/13/05 12:54
12	8M322492	WG196546-10 200ug/L STD 8260	NA	1	1	SV14649	09/13/05 13:35
13	8M322493	SYSTEM BLANK	NA	1	1		09/13/05 14:05
14	8M322494	SYSTEM BLANK	NA	1	1		09/13/05 14:35
15	8M322495	SYSTEM BLANK	NA	1	1		09/13/05 15:05
16	8M322496	SYSTEM BLANK	NA	1	1		09/13/05 15:35
17	8M322497	WG196546-11 20ug/L ALT SOURCE STD 8	NA	1	1	SV14644	09/13/05 16:05
18	8M322498	SYSTEM BLANK	NA	1	1		09/13/05 16:34
19	8M322499	SYSTEM BLANK	NA	1	1		09/13/05 17:04
20	8M322500	SYSTEM BLANK	NA	1	1		09/13/05 17:34

Comments

Seq.	Rerun	Dil.	Reason	Analytes
2			DNR/Rerun curve	

Approved: September 14, 2005

Page: 1 of 1

KEMRON Environmental Services

Instrument Run Log

Instrument: HPMS8 Dataset: 101405
Analyst1: CMS Analyst2: NA
Method: 8260B SOP: MSV01 Rev: 6
Method: 624 SOP: MSV10 Rev: 6
Method: 5030B SOP: PAT01 Rev: 8

Internal Standard: SV14730 Surrogate Standard: SV14813
CCV: SV14833 LCS: SV14829 MS/MSD: NA

Column 1 ID: RTX502.2 Column 2 ID: NA

Workgroups: WG198627

Comments:

Seq.	File ID	Sample Information	pH	Mat	Dil	Reference	Date/Time
1	8M323069	WG198626-01 BFB 50ng STD 8260	NA	1	1	SV14739	10/14/05 07:25
2	8M323070	WG198626-02 50ug/L STD 8260	NA	1	1	SV14833	10/14/05 07:59
3	8M323071	WG198627-01 VBLK1014 BLANK 8260	NA	1	1		10/14/05 08:29
4	8M323072	WG198627-01 VBLK1014 BLANK 8260	NA	1	1		10/14/05 08:59
5	8M323073	WG198627-02 20ug/L LCS STD 8260	NA	1	1	SV14829	10/14/05 09:29
6	8M323074	WG198627-03 20ug/L LCSDUP STD 8260	NA	1	1	SV14829	10/14/05 10:12
7	8M323075	L0510255-02 A 826-SPE1	<2	1	1		10/14/05 10:42
8	8M323076	L0510260-05 A 826-SPE	<2	1	1		10/14/05 11:12
9	8M323077	L0510264-05 A 826-SPE	<2	1	1		10/14/05 11:41
10	8M323078	L0510149-04 B 50X 826-SPE1 D1	<2	1	50		10/14/05 12:11
11	8M323079	L0510191-10 B 200X 826-SPE D1	<2	1	200		10/14/05 12:41
12	8M323080	L0510191-11 B 500X 826-SPE D1	<2	1	500		10/14/05 13:11
13	8M323081	L0510216-07 A 826-SPE	<2	1	1		10/14/05 13:42
14	8M323082	L0510216-08 A 826-SPE	<2	1	1		10/14/05 14:11
15	8M323083	L0510216-09 A 826-SPE	<2	1	1		10/14/05 14:41
16	8M323084	L0510216-10 A 826-SPE	<2	1	1		10/14/05 15:11
17	8M323085	L0510216-11 A 826-SPE	<2	1	1		10/14/05 15:41
18	8M323086	L0510216-06 A 100X 826-SPE	<2	1	100		10/14/05 16:10
19	8M323087	L0510216-12 A 826-SPE	<2	1	1		10/14/05 16:40
20	8M323088	L0510214-01 A 826-SPE	<2	1	1		10/14/05 17:10
21	8M323089	L0510215-06 A 826-SPE1	<2	1	1		10/14/05 17:40
22	8M323090	L0510215-07 A 826-SPE1	<2	1	1		10/14/05 18:09
23	8M323091	L0510215-10 A 826-SPE1	<2	1	1		10/14/05 18:39
24	8M323092	L0510215-11 A 826-SPE1	<2	1	1		10/14/05 19:09
25	8M323093	SYSTEM BLANK	NA	1	1		10/14/05 19:39
26	8M323094	WG198627-04 624 BLANK	NA	1	1		10/14/05 20:09
27	8M323095	L0510281-03 A 624	=7	2	1		10/14/05 20:38

Comments

Seq.	Rerun	Dil.	Reason	Analytes
3	X		Carry-over contamination	

Approved: October 17, 2005

KEMRON Environmental Services

Instrument Run Log

Instrument: HPMS8 Dataset: 101405
Analyst1: CMS Analyst2: NA
Method: 8260B SOP: MSV01 Rev: 6
Method: 624 SOP: MSV10 Rev: 6
Method: 5030B SOP: PAT01 Rev: 8

Internal Standard: SV14730 Surrogate Standard: SV14813
CCV: SV14833 LCS: SV14829 MS/MSD: NA

Column 1 ID: RTX502.2 Column 2 ID: NA

Workgroups: WG198627

Comments

Seq.	Rerun	Dil.	Reason	Analytes
	DNR			

Approved: October 17, 2005

KEMRON Environmental Services

Instrument Run Log

Instrument: HPMS11 Dataset: 101705
Analyst1: CMS Analyst2: NA
Method: 8260B SOP: MSV01 Rev: 6
Method: 5030B SOP: PAT01 Rev: 8
Method: 5035 SOP: PAT02 Rev: 7

Internal Standard: SV14724 Surrogate Standard: SV14740
CCV: SV14841 LCS: SV14829 MS/MSD: SV14829

Column 1 ID: RTX502.2 Column 2 ID: NA

Workgroups: WG198725;WG198807

Comments:

Seq.	File ID	Sample Information	pH	Mat	Dil	Reference	Date/Time
1	11M29656	WG198725-01 BFB 50ng STD 8260	NA	7	1	SV14739	10/17/05 05:19
2	11M29657	WG198725-02 50ug/Kg SOIL STD 8260	NA	7	1	SV14833	10/17/05 05:52
3	11M29658	WG198725-01 BFB 50ng STD 8260	NA	7	1	SV14739	10/17/05 06:34
4	11M29659	WG198725-01 BFB 50ng STD 8260	NA	7	1	SV14739	10/17/05 07:05
5	11M29660	WG198725-02 50ug/Kg SOIL STD 8260	NA	7	1	SV14841	10/17/05 07:38
6	11M29661	5ug/Kg 2CVE STD 8260	NA	7	1	SV14841	10/17/05 08:21
7	11M29662	WG198725-02 0.5ug/Kg SOIL STD 8260	NA	7	1	SV14841	10/17/05 09:21
8	11M29663	WG198725-03 1ug/Kg SOIL STD 8260	NA	7	1	SV14841	10/17/05 09:54
9	11M29664	WG198725-04 2ug/Kg SOIL STD 8260	NA	7	1	SV14841	10/17/05 10:26
10	11M29665	WG198725-05 5ug/Kg SOIL STD 8260	NA	7	1	SV14841	10/17/05 10:59
11	11M29666	WG198725-06 10ug/Kg SOIL STD 8260	NA	7	1	SV14841	10/17/05 11:31
12	11M29667	WG198725-07 20ug/Kg SOIL STD 8260	NA	7	1	SV14841	10/17/05 12:03
13	11M29668	WG198725-08 50ug/Kg SOIL STD 8260	NA	7	1	SV14841	10/17/05 12:35
14	11M29669	WG198725-09 100ug/Kg SOIL STD 8260	NA	7	1	SV14841	10/17/05 13:07
15	11M29670	WG198725-10 200ug/Kg SOIL STD 8260	NA	7	1	SV14841	10/17/05 13:39
16	11M29671	SYSTEM BLANK	NA	7	1		10/17/05 14:12
17	11M29672	SYSTEM BLANK	NA	7	1		10/17/05 14:44
18	11M29673	WG198725-11 20ug/Kg ALT SOURCE STD	NA	7	1	SV14829	10/17/05 15:16
19	11M29674	WG198806-01 BFB 50ng STD 8260	NA	7	1	SV14739	10/17/05 15:50
20	11M29675	WG198806-01 BFB 50ng STD 8260	NA	7	1	SV14739	10/17/05 16:21
21	11M29676	WG198806-01 BFB 50ng STD 8260	NA	7	1	SV14739	10/17/05 16:35
22	11M29677	WG198806-02 50ug/Kg SOIL STD 8260	NA	7	1	SV14841	10/17/05 17:04
23	11M29678	WG198807-01 VBLK1017 BLANK 8260	NA	7	1		10/17/05 17:36
24	11M29679	WG198807-01 VBLK1017 BLANK 8260	NA	7	1		10/17/05 18:08
25	11M29680	WG198807-02 20ug/Kg LCS STD 8260	NA	7	1	SV14829	10/17/05 18:41
26	11M29681	L0510255-01 B 1.69X 826-SPE1 A1	NA	7	1		10/17/05 19:13
27	11M29682	L0510204-01 0.97X 826-SPE 5.13g	NA	7	1		10/17/05 19:45
28	11M29683	L0510325-01 A 1.24X 826-SPE1	NA	7	1		10/17/05 20:18
29	11M29684	L0510325-02 A 1.14X 826-SPE1	NA	7	1		10/17/05 20:50
30	11M29685	L0510325-03 A 1.27X 826-SPE1	NA	7	1		10/17/05 21:22
31	11M29686	L0510325-04 A 1.19X 826-SPE1	NA	7	1		10/17/05 21:54
32	11M29687	L0510325-05 A 1.20X 826-SPE1	NA	7	1		10/17/05 22:27

Approved: October 18, 2005

KEMRON Environmental Services

Instrument Run Log

Instrument: HPMS11 Dataset: 101705
Analyst1: CMS Analyst2: NA
Method: 8260B SOP: MSV01 Rev: 6
Method: 5030B SOP: PAT01 Rev: 8
Method: 5035 SOP: PAT02 Rev: 7

Internal Standard: SV14724 Surrogate Standard: SV14740
CCV: SV14841 LCS: SV14829 MS/MSD: SV14829

Column 1 ID: RTX502.2 Column 2 ID: NA

Workgroups: WG198725;WG198807

Seq.	File ID	Sample Information	pH	Mat	Dil	Reference	Date/Time
33	11M29688	L0510325-06 A 1.05X 826-SPE1	NA	7	1		10/17/05 22:59
34	11M29689	L0510264-01 B 1.40X 826-SPE	NA	7	1		10/17/05 23:31
35	11M29690	L0510264-02 A 1.07X 826-SPE	NA	7	1		10/18/05 00:03
36	11M29691	L0510264-03 A 1.61X 826-SPE	NA	7	1		10/18/05 00:35
37	11M29692	L0510264-04 A 1.42X 826-SPE	NA	7	1		10/18/05 01:08
38	11M29693	L0510271-02 A 1.06X 826-SPE	NA	7	1		10/18/05 01:40
39	11M29694	L0510271-20 A 1.12X 826-SPE	NA	7	1		10/18/05 02:12
40	11M29695	WG198807-03 L0510271-09 A 1.02X 826-S	NA	7	1		10/18/05 02:44
41	11M29696	WG198807-04 L0510271-10 MS A 1.07X 82	NA	7	1		10/18/05 03:17
42	11M29697	WG198807-05 L0510271-11 MSD A 1.04X	NA	7	1		10/18/05 03:49
43	11M29698	SYSTEM BLANK	NA	7	1		10/18/05 04:21
44	11M29699	SYSTEM BLANK	NA	7	1		10/18/05 04:53

Comments

Seq.	Rerun	Dil.	Reason	Analytes
2				
	DNR- REUN CURVE			
3	X			
	Tune failed/DNR			
19	X			
	Tune failed/DNR			
20	X			
	Tune failed/DNR			
23	X		Carry-over contamination	
	DNR			
37	X		Internal standard and surrogate standard failure	

Approved: October 18, 2005

KEMRON Environmental Services

Instrument Run Log

Instrument: HPMS11 Dataset: 101805
Analyst1: CMS Analyst2: NA
Method: 8260B SOP: MSV01 Rev: 6
Method: 5030B SOP: PAT01 Rev: 8
Method: 5035 SOP: PAT02 Rev: 7

Internal Standard: SV14724 Surrogate Standard: SV14740
CCV: SV14841 LCS: SV14829 MS/MSD: NA

Column 1 ID: RTX502.2 Column 2 ID: NA

Workgroups: WG198872

Comments:

Seq.	File ID	Sample Information	pH	Mat	Dil	Reference	Date/Time
1	11M29701	SYSTEM BLANK	NA	7	1		10/18/05 09:37
2	11M29702	SYSTEM BLANK	NA	7	1		10/18/05 10:08
3	11M29703	STD CHK	NA	7	1		10/18/05 10:38
4	11M29704	BLANK	NA	7	1		10/18/05 11:08
5	11M29705	WG198871-01 BFB 50ng STD 8260	NA	7	1	SV14739	10/18/05 11:40
6	11M29706	WG198871-01 BFB 50ng STD 8260	NA	7	1	SV14739	10/18/05 12:08
7	11M29707	WG198871-01 BFB 50ng STD 8260	NA	7	1	SV14739	10/18/05 12:20
8	11M29708	WG198871-02 50UG/kG soil std 8260	NA	7	1	SV14841	10/18/05 12:53
9	11M29709	WG198872-01 VBLK1018 BLANK 8260	NA	7	1		10/18/05 13:29
10	11M29710	WG198872-01 VBLK1018 BLANK 8260	NA	7	1		10/18/05 13:59
11	11M29711	WG198872-02 20ug/Kg LCS STD 8260	NA	7	1	SV14829	10/18/05 14:29
12	11M29712	WG198872-03 20ug/Kg LCSDUP STD 826	NA	7	1	SV14829	10/18/05 14:59
13	11M29713	SYSTEM BLANK	NA	7	1		10/18/05 15:29
14	11M29714	L0510264-04 B 1.58X 826-SPE A1	NA	7	1		10/18/05 15:59
15	11M29715	L0510260-07 B 0.87X 826-SPE	NA	7	1		10/18/05 16:29
16	11M29716	L0510152-01 0.99X 826-SPE 5.03g	NA	7	1		10/18/05 16:59
17	11M29717	L0510262-01 1.00X 826-SPE 5.00g	NA	7	1		10/18/05 17:29
18	11M29718	L0510262-02 1.00X 826-SPE 5.01g	NA	7	1		10/18/05 17:59
19	11M29719	L0510262-03 1.00X 826-SPE 5.01g	NA	7	1		10/18/05 18:29
20	11M29720	L0510345-01 A 1.14X 826-SPE1	NA	7	1		10/18/05 19:00
21	11M29721	L0510345-02 A 1.16X 826-SPE1	NA	7	1		10/18/05 19:31
22	11M29722	L0510345-03 A 1.08X 826-SPE1	NA	7	1		10/18/05 20:01
23	11M29723	L0510345-04 A 1.25X 826-SPE1	NA	7	1		10/18/05 20:32
24	11M29724	L0510345-05 A 1.27X 826-SPE1	NA	7	1		10/18/05 21:02
25	11M29725	L0510345-06 A 1.19X 826-SPE1	NA	7	1		10/18/05 21:33
26	11M29726	L0510345-07 A 1.21X 826-SPE1	NA	7	1		10/18/05 22:03
27	11M29727	L0510345-08 A 1.53X 826-SPE1	NA	7	1		10/18/05 22:33
28	11M29728	L0510345-09 A 0.84X 826-SPE1	NA	7	1		10/18/05 23:03
29	11M29729	L0510329-01 0.99X 8260 5.05g	NA	7	1		10/18/05 23:33
30	11M29730	SYSTEM BLANK	NA	7	1		10/19/05 00:04
31	11M29731	SYSTEM BLANK	NA	7	1		10/19/05 00:34
32	11M29732	SYSTEM BLANK	NA	7	1		10/19/05 01:04

Approved: October 19, 2005

KEMRON Environmental Services

Instrument Run Log

Instrument: HPMS11 Dataset: 101805
Analyst1: CMS Analyst2: NA
Method: 8260B SOP: MSV01 Rev: 6
Method: 5030B SOP: PAT01 Rev: 8
Method: 5035 SOP: PAT02 Rev: 7

Internal Standard: SV14724 Surrogate Standard: SV14740
CCV: SV14841 LCS: SV14829 MS/MSD: NA

Column 1 ID: RTX502.2 Column 2 ID: NA

Workgroups: WG198872

Seq.	File ID	Sample Information	pH	Mat	Dil	Reference	Date/Time
33	11M29733	SYSTEM BLANK	NA	7	1		10/19/05 01:34
34	11M29734	L0509565-06 A 826-REF-BLK	NA	7	1		10/19/05 02:04
35	11M29735	L0509565-07 A 826-REF-BLK	NA	7	1		10/19/05 02:34
36	11M29736	L0509565-08 A 826-REF-BLK	NA	7	1		10/19/05 03:04

Comments

Seq.	Rerun	Dil.	Reason	Analytes
5	X		Tune failed/DNR	
6	X		Tune failed/DNR	
9	X		Carry-over contamination DNR	
28	X		Internal standard and surrogate standard failure	

Approved: October 19, 2005

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

Analytical Method: 8260B AAB#: WG198627

Login Number: L0510264

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
41-TB4-W-1012-05	10/12/05	10/13/05	10/14/05	14	2.49	10/14/05	14	2.49	

* EXT = SEE PROJECT QAPP REQUIREMENTS

*ANAL = SEE PROJECT QAPP REQUIREMENTS

KEMRON FORMS - Modified 11/05/2004
Version 1.5 PDF File ID: 339282
Report generated 10/20/2005 08:49

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

Analytical Method: 8260B AAB#: WG198807

Login Number: L0510264

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
41-BG1-S-1012-05	10/12/05	10/13/05	10/17/05	14	5.42	10/17/05	14	5.42	
41-BG2-S-1012-05	10/12/05	10/13/05	10/18/05	14	5.43	10/18/05	14	5.43	
41-BF2-S-1012-05	10/12/05	10/13/05	10/18/05	14	5.38	10/18/05	14	5.38	
41-TS2-S-1012-05	10/12/05	10/13/05	10/18/05	14	5.39	10/18/05	14	5.39	

* EXT = SEE PROJECT QAPP REQUIREMENTS
*ANAL = SEE PROJECT QAPP REQUIREMENTS

KEMRON FORMS - Modified 11/05/2004
Version 1.5 PDF File ID: 339282
Report generated 10/20/2005 08:49

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

Analytical Method: 8260B AAB#: WG198872

Login Number: L0510264

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
41-TS2-S-1012-05	10/12/05	10/13/05	10/18/05	14	6.01	10/18/05	14	6.01	

* EXT = SEE PROJECT QAPP REQUIREMENTS

*ANAL = SEE PROJECT QAPP REQUIREMENTS

KEMRON FORMS - Modified 11/05/2004
Version 1.5 PDF File ID: 339282
Report generated 10/20/2005 08:49

KEMRON Environmental Services

SURROGATE STANDARDS

Login Number: L0510264
Instrument Id: HPMS8
Workgroup (AAB#): WG198627

Method: 8260
CAL ID: HPMS8-13-SEP-05
Matrix: WATER

Sample Number	Dilution	Tag	1	2	3	4
L0510264-05	1.00	01	112	104	110	105
WG198627-01	1.00	01	114	105	110	105
WG198627-02	1.00	01	115	105	108	103
WG198627-03	1.00	01	112	106	108	104
WG198627-04	1.00	01	116	106	109	105

Surrogates	Surrogate Limits		
1 - 1,2-Dichloroethane-d4	80	-	120
2 - Dibromofluoromethane	86	-	118
3 - 4-Bromofluorobenzene	86	-	115
4 - Toluene-d8	88	-	110

Underline = Result out of surrogate limits

DL = surrogate diluted out
ND = surrogate not detected

KEMRON FORMS - Modified 05/17/2005
Version 1.5 PDF File ID: 339288
Report generated 10/20/2005 08:50

KEMRON Environmental Services

SURROGATE STANDARDS

Login Number: L0510264
Instrument Id: HPMS11
Workgroup (AAB#): WG198807

Method: 8260
CAL ID: HPMS11-17-OCT-05
Matrix: SOLID

Sample Number	Dilution	Tag	1	2	3	4
L0510264-01	1.00	01	100	103	114	113
L0510264-02	1.00	01	96.4	100	112	110
L0510264-03	1.00	01	97.7	99.6	103	105
L0510264-04	1.00	01	100	108	132	129
WG198807-01	1.00	01	101	101	101	104
WG198807-02	1.00	01	99.2	100	101	102

Surrogates	Surrogate Limits		
1 - 1,2-Dichloroethane-d4	80	-	120
2 - Dibromofluoromethane	80	-	120
3 - 4-Bromofluorobenzene	74	-	121
4 - Toluene-d8	81	-	117

Underline = Result out of surrogate limits

DL = surrogate diluted out
ND = surrogate not detected

KEMRON FORMS - Modified 05/17/2005
Version 1.5 PDF File ID: 339288
Report generated 10/20/2005 08:50

KEMRON Environmental Services

SURROGATE STANDARDS

Login Number: L0510264
Instrument Id: HPMS11
Workgroup (AAB#): WG198872

Method: 8260
CAL ID: HPMS11-17-OCT-05
Matrix: SOLID

Sample Number	Dilution	Tag	1	2	3	4
L0510264-04	1.00	A1	106	102	125	131
WG198872-01	1.00	01	103	99.4	98.3	106
WG198872-02	1.00	01	108	101	99.1	106
WG198872-03	1.00	01	104	99.6	100	106

Surrogates	Surrogate Limits		
1 - 1,2-Dichloroethane-d4	80	-	120
2 - Dibromofluoromethane	80	-	120
3 - 4-Bromofluorobenzene	74	-	121
4 - Toluene-d8	81	-	117

Underline = Result out of surrogate limits

DL = surrogate diluted out
ND = surrogate not detected

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KEMRON Environmental Services

METHOD BLANK SUMMARY

Login Number: L0510264
Work Group: WG198627
Blank File ID: 8M323072
Blank Sample ID: WG198627-01
Date Analyzed: 10/14/05
Instrument ID: HPMS8
Time Analyzed: 08:59
Method: 8260B
Analyst: CMS

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG198627-02	8M323073	10/14/05 09:29	01
LCS2	WG198627-03	8M323074	10/14/05 10:12	01
41-TB4-W-1012-05	L0510264-05	8M323077	10/14/05 11:41	01
BLANK2	WG198627-04	8M323094	10/14/05 20:09	01

KEMRON FORMS - Modified 05/18/2005
Version 1.5 PDF File ID: 338003
Report generated 10/20/2005 08:49

KEMRON Environmental Services

METHOD BLANK SUMMARY

Login Number: L0510264
Blank File ID: 11M29679
Date Analyzed: 10/17/05
Time Analyzed: 18:08
Analyst: CMS

Work Group: WG198807
Blank Sample ID: WG198807-01
Instrument ID: HPMS11
Method: 8260B

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG198807-02	11M29680	10/17/05 18:41	01
41-BG1-S-1012-05	L0510264-01	11M29689	10/17/05 23:31	01
41-BG2-S-1012-05	L0510264-02	11M29690	10/18/05 00:03	01
41-BF2-S-1012-05	L0510264-03	11M29691	10/18/05 00:35	01
41-TS2-S-1012-05	L0510264-04	11M29692	10/18/05 01:08	01

KEMRON FORMS - Modified 05/18/2005
Version 1.5 PDF File ID: 338003
Report generated 10/20/2005 08:49

KEMRON Environmental Services

METHOD BLANK SUMMARY

Login Number: L0510264
Blank File ID: 11M29710
Date Analyzed: 10/18/05
Time Analyzed: 13:59
Analyst: CMS

Work Group: WG198872
Blank Sample ID: WG198872-01
Instrument ID: HPMS11
Method: 8260B

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG198872-02	11M29711	10/18/05 14:29	01
LCS2	WG198872-03	11M29712	10/18/05 14:59	01
41-TS2-S-1012-05	L0510264-04	11M29714	10/18/05 15:59	A1

KEMRON FORMS - Modified 05/18/2005
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Report generated 10/20/2005 08:49

KEMRON Environmental Services

METHOD BLANK REPORT

Login Number: L0510264 Run Date: 10/14/2005 Sample ID: WG198627-01
Instrument ID: HPMS8 Run Time: 08:59 Prep Method: 5030B
File ID: 8M323072 Analyst: CMS Method: 8260B
Workgroup (AAB#): WG198627 Matrix: Water Units: ug/L
Contract #: Cal ID: HPMS8-13-SEP-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Acetone	2.50	10.0	2.50	1	U
Benzene	0.125	5.00	0.125	1	U
Bromodichloromethane	0.250	5.00	0.250	1	U
Bromoform	0.500	5.00	0.500	1	U
Bromomethane	0.500	10.0	0.500	1	U
2-Butanone	2.50	10.0	2.50	1	U
Carbon disulfide	0.500	5.00	0.500	1	U
Carbon tetrachloride	0.250	5.00	0.250	1	U
Chlorobenzene	0.125	5.00	0.125	1	U
Chlorodibromomethane	0.250	5.00	0.250	1	U
Chloroethane	0.500	10.0	0.500	1	U
Chloroform	0.125	5.00	0.125	1	U
Chloromethane	0.250	10.0	0.250	1	U
Cyclohexane	0.500	5.00	0.500	1	U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1	U
1,2-Dibromoethane	0.250	5.00	0.250	1	U
1,2-Dichlorobenzene	0.125	5.00	0.125	1	U
1,3-Dichlorobenzene	0.250	5.00	0.250	1	U
1,4-Dichlorobenzene	0.125	5.00	0.125	1	U
Dichlorodifluoromethane	0.250	10.0	0.250	1	U
1,1-Dichloroethane	0.125	5.00	0.125	1	U
1,2-Dichloroethane	0.250	5.00	0.250	1	U
1,1-Dichloroethene	0.500	5.00	0.500	1	U
cis-1,2-Dichloroethene	0.250	5.00	0.250	1	U
trans-1,2-Dichloroethene	0.250	5.00	0.250	1	U
1,2-Dichloropropane	0.200	5.00	0.200	1	U
cis-1,3-Dichloropropene	0.250	5.00	0.250	1	U
trans-1,3-Dichloropropene	0.500	5.00	0.500	1	U
Ethylbenzene	0.250	5.00	0.250	1	U
2-Hexanone	2.50	10.0	2.50	1	U
Isopropylbenzene	0.250	5.00	0.250	1	U
4-Methyl-2-pentanone	2.50	10.0	2.50	1	U
Methylene chloride	0.250	5.00	0.250	1	U
Styrene	0.125	5.00	0.125	1	U
1,1,2,2-Tetrachloroethane	0.125	5.00	0.125	1	U
Tetrachloroethene	0.250	5.00	0.250	1	U
Toluene	0.250	5.00	0.250	1	U
1,2,4-Trichlorobenzene	0.200	5.00	0.200	1	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.00	10.0	1.00	1	U
1,1,1-Trichloroethane	0.250	5.00	0.250	1	U
1,1,2-Trichloroethane	0.250	5.00	0.250	1	U
Trichloroethene	0.250	5.00	0.250	1	U

KEMRON FORMS - Modified 05/17/2005
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KEMRON Environmental Services

METHOD BLANK REPORT

Login Number: L0510264 Run Date: 10/14/2005 Sample ID: WG198627-01
Instrument ID: HPMS8 Run Time: 08:59 Prep Method: 5030B
File ID: 8M323072 Analyst: CMS Method: 8260B
Workgroup (AAB#): WG198627 Matrix: Water Units: ug/L
Contract #: Cal ID: HPMS8-13-SEP-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Trichlorofluoromethane	0.250	10.0	0.250	1	U
Vinyl chloride	0.250	10.0	0.250	1	U
o-Xylene	0.250	5.00	0.250	1	U
m-,p-Xylene	0.500	5.00	0.500	1	U
MTBE	5.00	5.00	5.00	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
Dibromofluoromethane	105	86 - 118	PASS
1,2-Dichloroethane-d4	114	80 - 120	PASS
Toluene-d8	105	88 - 110	PASS
4-Bromofluorobenzene	110	86 - 115	PASS

MDL Method Detection Limit
RL Reporting/quantitation Limit
* Analyte concentration > RL
ND Analyte Not detected at or above reporting limit

KEMRON FORMS - Modified 05/17/2005
Version 1.5 PDF File ID: 338004
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KEMRON Environmental Services

METHOD BLANK REPORT

Login Number: L0510264 Run Date: 10/17/2005 Sample ID: WG198807-01
Instrument ID: HPMS11 Run Time: 18:08 Prep Method: 5030B
File ID: 11M29679 Analyst: CMS Method: 8260B
Workgroup (AAB#): WG198807 Matrix: Soil Units: ug/kg
Contract #: Cal ID: HPMS11-17-OCT-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Acetone	5.00	100	5.00	1	U
Benzene	0.500	5.00	0.500	1	U
Bromodichloromethane	0.500	5.00	0.500	1	U
Bromoform	0.500	5.00	0.500	1	U
Bromomethane	1.00	10.0	1.00	1	U
2-Butanone	2.50	100	2.50	1	U
Carbon disulfide	0.500	5.00	0.500	1	U
Carbon tetrachloride	0.500	5.00	0.500	1	U
Chlorobenzene	0.500	5.00	0.500	1	U
Chlorodibromomethane	0.500	5.00	0.500	1	U
Chloroethane	1.00	10.0	1.00	1	U
Chloroform	0.500	5.00	0.500	1	U
Chloromethane	2.00	10.0	2.00	1	U
Cyclohexane	5.00	5.00	5.00	1	U
1,2-Dibromo-3-chloropropane	2.00	5.00	2.00	1	U
1,2-Dibromoethane	0.500	5.00	0.500	1	U
1,2-Dichlorobenzene	0.500	5.00	0.500	1	U
1,3-Dichlorobenzene	0.500	5.00	0.500	1	U
1,4-Dichlorobenzene	0.500	5.00	0.500	1	U
Dichlorodifluoromethane	1.00	10.0	1.00	1	U
1,1-Dichloroethane	1.00	5.00	1.00	1	U
1,2-Dichloroethane	0.500	5.00	0.500	1	U
1,1-Dichloroethene	0.500	5.00	0.500	1	U
cis-1,2-Dichloroethene	0.500	5.00	0.500	1	U
trans-1,2-Dichloroethene	0.500	5.00	0.500	1	U
1,2-Dichloropropane	0.500	5.00	0.500	1	U
cis-1,3-Dichloropropene	0.500	5.00	0.500	1	U
trans-1,3-Dichloropropene	0.500	5.00	0.500	1	U
Ethylbenzene	0.500	5.00	0.500	1	U
2-Hexanone	2.50	10.0	6.92	1	J
Isopropylbenzene	0.500	5.00	0.500	1	U
4-Methyl-2-pentanone	2.50	10.0	2.50	1	U
Methylene chloride	1.00	5.00	1.00	1	U
Styrene	0.500	5.00	0.500	1	U
1,1,2,2-Tetrachloroethane	0.500	5.00	0.500	1	U
Tetrachloroethene	0.500	5.00	0.500	1	U
Toluene	0.500	5.00	0.500	1	U
1,2,4-Trichlorobenzene	0.500	5.00	0.500	1	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.00	10.0	1.00	1	U
1,1,1-Trichloroethane	0.500	5.00	0.500	1	U
1,1,2-Trichloroethane	0.500	5.00	0.500	1	U
Trichloroethene	0.500	5.00	0.500	1	U

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KEMRON Environmental Services

METHOD BLANK REPORT

Login Number: L0510264 Run Date: 10/17/2005 Sample ID: WG198807-01
Instrument ID: HPMS11 Run Time: 18:08 Prep Method: 5030B
File ID: 11M29679 Analyst: CMS Method: 8260B
Workgroup (AAB#): WG198807 Matrix: Soil Units: ug/kg
Contract #: Cal ID: HPMS11-17-OCT-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Trichlorofluoromethane	1.00	10.0	1.00	1	U
Vinyl chloride	1.00	10.0	1.00	1	U
o-Xylene	0.500	5.00	0.500	1	U
m-,p-Xylene	0.500	5.00	0.500	1	U
MTBE	0.500	5.00	0.500	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
Dibromofluoromethane	101	80 - 120	PASS
1,2-Dichloroethane-d4	101	80 - 120	PASS
Toluene-d8	104	81 - 117	PASS
4-Bromofluorobenzene	101	74 - 121	PASS

MDL Method Detection Limit
RL Reporting/quantitation Limit
* Analyte concentration > RL
ND Analyte Not detected at or above reporting limit

KEMRON FORMS - Modified 05/17/2005
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KEMRON Environmental Services

METHOD BLANK REPORT

Login Number: L0510264 Run Date: 10/18/2005 Sample ID: WG198872-01
Instrument ID: HPMS11 Run Time: 13:59 Prep Method: 5030B
File ID: 11M29710 Analyst: CMS Method: 8260B
Workgroup (AAB#): WG198872 Matrix: Soil Units: ug/kg
Contract #: Cal ID: HPMS11-17-OCT-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Acetone	5.00	100	5.00	1	U
Benzene	0.500	5.00	0.500	1	U
Bromodichloromethane	0.500	5.00	0.500	1	U
Bromoform	0.500	5.00	0.500	1	U
Bromomethane	1.00	10.0	1.00	1	U
2-Butanone	2.50	100	2.50	1	U
Carbon disulfide	0.500	5.00	0.500	1	U
Carbon tetrachloride	0.500	5.00	0.500	1	U
Chlorobenzene	0.500	5.00	0.500	1	U
Chlorodibromomethane	0.500	5.00	0.500	1	U
Chloroethane	1.00	10.0	1.00	1	U
Chloroform	0.500	5.00	0.500	1	U
Chloromethane	2.00	10.0	2.00	1	U
Cyclohexane	5.00	5.00	5.00	1	U
1,2-Dibromo-3-chloropropane	2.00	5.00	2.00	1	U
1,2-Dibromoethane	0.500	5.00	0.500	1	U
1,2-Dichlorobenzene	0.500	5.00	0.500	1	U
1,3-Dichlorobenzene	0.500	5.00	0.500	1	U
1,4-Dichlorobenzene	0.500	5.00	0.500	1	U
Dichlorodifluoromethane	1.00	10.0	1.00	1	U
1,1-Dichloroethane	1.00	5.00	1.00	1	U
1,2-Dichloroethane	0.500	5.00	0.500	1	U
1,1-Dichloroethene	0.500	5.00	0.500	1	U
cis-1,2-Dichloroethene	0.500	5.00	0.500	1	U
trans-1,2-Dichloroethene	0.500	5.00	0.500	1	U
1,2-Dichloropropane	0.500	5.00	0.500	1	U
cis-1,3-Dichloropropene	0.500	5.00	0.500	1	U
trans-1,3-Dichloropropene	0.500	5.00	0.500	1	U
Ethylbenzene	0.500	5.00	0.500	1	U
2-Hexanone	2.50	10.0	2.50	1	U
Isopropylbenzene	0.500	5.00	0.500	1	U
4-Methyl-2-pentanone	2.50	10.0	2.50	1	U
Methylene chloride	1.00	5.00	1.00	1	U
Styrene	0.500	5.00	0.500	1	U
1,1,2,2-Tetrachloroethane	0.500	5.00	0.500	1	U
Tetrachloroethene	0.500	5.00	0.500	1	U
Toluene	0.500	5.00	0.500	1	U
1,2,4-Trichlorobenzene	0.500	5.00	0.500	1	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.00	10.0	1.00	1	U
1,1,1-Trichloroethane	0.500	5.00	0.500	1	U
1,1,2-Trichloroethane	0.500	5.00	0.500	1	U
Trichloroethene	0.500	5.00	0.500	1	U

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KEMRON Environmental Services

METHOD BLANK REPORT

Login Number: L0510264 Run Date: 10/18/2005 Sample ID: WG198872-01
Instrument ID: HPMS11 Run Time: 13:59 Prep Method: 5030B
File ID: 11M29710 Analyst: CMS Method: 8260B
Workgroup (AAB#): WG198872 Matrix: Soil Units: ug/kg
Contract #: Cal ID: HPMS11-17-OCT-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Trichlorofluoromethane	1.00	10.0	1.00	1	U
Vinyl chloride	1.00	10.0	1.00	1	U
o-Xylene	0.500	5.00	0.500	1	U
m-,p-Xylene	0.500	5.00	0.500	1	U
MTBE	0.500	5.00	0.500	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
Dibromofluoromethane	99.4	80 - 120	PASS
1,2-Dichloroethane-d4	103	80 - 120	PASS
Toluene-d8	106	81 - 117	PASS
4-Bromofluorobenzene	98.3	74 - 121	PASS

MDL Method Detection Limit
RL Reporting/quantitation Limit
* Analyte concentration > RL
ND Analyte Not detected at or above reporting limit

KEMRON FORMS - Modified 05/17/2005
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KEMRON Environmental Services

LABORATORY CONTROL SAMPLES

Login Number: L0510264 Analyst: CMS Prep Method: 5030B
Instrument ID: HPMS8 Matrix: Water Method: 8260B
Workgroup (AAB#): WG198627 Units: ug/L
Sample ID: WG198627-02 LCS File ID: 8M323073 Run Date: 10/14/2005 09:29
Sample ID: WG198627-03 LCS2 File ID: 8M323074 Run Date: 10/14/2005 10:12

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Acetone	20.0	24.4	122	20.0	24.4	122	0.0289	40 - 142	20	
Benzene	20.0	22.5	113	20.0	23.5	117	4.18	80 - 121	20	
Bromodichloromethane	20.0	22.7	113	20.0	23.0	115	1.24	80 - 131	20	
Bromoform	20.0	19.6	98.2	20.0	18.6	92.8	5.69	70 - 130	20	
Bromomethane	20.0	15.0	74.8	20.0	16.5	82.3	9.57	30 - 145	20	
2-Butanone	20.0	22.4	112	20.0	22.5	112	0.572	30 - 150	20	
Carbon disulfide	20.0	20.5	102	20.0	22.4	112	9.13	58 - 138	20	
Carbon tetrachloride	20.0	21.7	109	20.0	23.1	116	6.35	65 - 140	20	
Chlorobenzene	20.0	21.5	108	20.0	22.2	111	3.11	80 - 120	20	
Chlorodibromomethane	20.0	20.3	101	20.0	20.1	101	0.723	60 - 135	20	
Chloroethane	20.0	19.4	97.2	20.0	21.6	108	10.5	60 - 135	20	
Chloroform	20.0	22.3	111	20.0	23.3	116	4.48	80 - 125	20	
Chloromethane	20.0	17.4	87.1	20.0	18.9	94.4	7.98	40 - 125	20	
Cyclohexane	20.0	22.2	111	20.0	24.5	123	10.1	80 - 130	20	
1,2-Dibromo-3-chloropropane	20.0	21.3	106	20.0	20.6	103	2.95	50 - 130	20	
1,2-Dibromoethane	20.0	22.4	112	20.0	21.9	109	2.41	80 - 125	20	
1,2-Dichlorobenzene	20.0	21.7	108	20.0	22.0	110	1.61	80 - 125	20	
1,3-Dichlorobenzene	20.0	21.0	105	20.0	21.8	109	4.15	80 - 120	20	
1,4-Dichlorobenzene	20.0	20.6	103	20.0	21.0	105	2.24	80 - 120	20	
Dichlorodifluoromethane	20.0	15.7	78.4	20.0	18.0	89.8	13.5	50 - 133	20	
1,1-Dichloroethane	20.0	22.0	110	20.0	23.5	117	6.78	80 - 125	20	
1,2-Dichloroethane	20.0	23.7	118	20.0	23.8	119	0.760	80 - 129	20	
1,1-Dichloroethene	20.0	20.8	104	20.0	23.1	115	10.3	80 - 132	20	
cis-1,2-Dichloroethene	20.0	21.4	107	20.0	24.9	125	15.2	70 - 125	20	
trans-1,2-Dichloroethene	20.0	22.0	110	20.0	23.3	116	5.65	80 - 127	20	
1,2-Dichloropropane	20.0	22.1	111	20.0	22.9	114	3.25	80 - 120	20	
cis-1,3-Dichloropropene	20.0	20.0	99.9	20.0	20.1	100	0.409	70 - 130	20	
trans-1,3-Dichloropropene	20.0	22.3	111	20.0	21.6	108	2.98	80 - 130	20	
Ethylbenzene	20.0	22.8	114	20.0	23.7	119	4.07	80 - 122	20	
2-Hexanone	20.0	23.8	119	20.0	22.7	114	4.64	55 - 130	20	
Isopropylbenzene	20.0	18.2	91.0	20.0	18.9	94.6	3.89	80 - 122	20	
4-Methyl-2-pentanone	20.0	22.7	113	20.0	21.5	108	5.28	64 - 140	20	
Methylene chloride	20.0	20.9	104	20.0	21.8	109	4.56	80 - 123	20	
Styrene	20.0	19.3	96.4	20.0	20.1	100	4.08	80 - 123	20	
1,1,2,2-Tetrachloroethane	20.0	23.2	116	20.0	23.1	116	0.134	79 - 125	20	
Tetrachloroethene	20.0	19.8	99.2	20.0	21.0	105	5.43	80 - 124	20	
Toluene	20.0	21.5	107	20.0	22.4	112	4.30	80 - 124	20	
1,2,4-Trichlorobenzene	20.0	20.1	100	20.0	20.4	102	1.90	65 - 135	20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	20.0	18.1	90.6	20.0	20.1	101	10.6	80 - 130	20	
1,1,1-Trichloroethane	20.0	21.3	106	20.0	22.7	113	6.52	80 - 134	20	
1,1,2-Trichloroethane	20.0	22.4	112	20.0	21.8	109	2.59	80 - 125	20	
Trichloroethene	20.0	20.6	103	20.0	22.2	111	7.31	80 - 122	20	

KEMRON FORMS - Modified 01/03/2005
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KEMRON Environmental Services

LABORATORY CONTROL SAMPLES

Login Number: L0510264 Analyst: CMS Prep Method: 5030B
Instrument ID: HPMS8 Matrix: Water Method: 8260B
Workgroup (AAB#): WG198627 Units: ug/L
Sample ID: WG198627-02 LCS File ID: 8M323073 Run Date: 10/14/2005 09:29
Sample ID: WG198627-03 LCS2 File ID: 8M323074 Run Date: 10/14/2005 10:12

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Trichlorofluoromethane	20.0	18.8	93.9	20.0	20.6	103	9.34	62 - 151	20	
Vinyl chloride	20.0	19.5	97.7	20.0	20.3	101	3.77	65 - 140	20	
o-Xylene	20.0	22.0	110	20.0	23.2	116	5.03	80 - 122	20	
m-,p-Xylene	40.0	39.3	98.1	40.0	40.6	101	3.28	80 - 122	20	
MTBE	20.0	22.5	113	20.0	22.9	114	1.53	65 - 125	20	

Surogates	LCS	LCS2	Surrogate Limits	Qualifier
	% Recovery	% Recovery		
Dibromofluoromethane	105	106	86 - 118	PASS
1,2-Dichloroethane-d4	115	112	80 - 120	PASS
Toluene-d8	103	104	88 - 110	PASS
4-Bromofluorobenzene	108	108	86 - 115	PASS

* FAILS %REC LIMIT

FAILS RPD LIMIT

KEMRON FORMS - Modified 01/03/2005
Version 1.5 PDF File ID: 338671
Report generated 10/20/2005 08:49

KEMRON Environmental Services

LABORATORY CONTROL SAMPLE

Login Number: L0510264 Run Date: 10/17/2005 Sample ID: WG198807-02
Instrument ID: HPMS11 Run Time: 18:41 Prep Method: 5030B
File ID: 11M29680 Analyst: CMS Method: 8260B
Workgroup (AAB#): WG198807 Matrix: Soil Units: ug/kg
Contract #: Cal ID: HPMS11-17-OCT-05

Analytes	Expected	Found	% Rec	LCS Limits	Q
Acetone	20.0	19.9	99.4	20 - 160	
Benzene	20.0	22.2	111	70 - 139	
Bromodichloromethane	20.0	21.6	108	72 - 137	
Bromoform	20.0	18.7	93.3	49 - 136	
Bromomethane	20.0	21.3	107	37 - 143	
2-Butanone	20.0	17.4	86.8	37 - 172	
Carbon disulfide	20.0	19.7	98.3	39 - 139	
Carbon tetrachloride	20.0	21.5	107	59 - 136	
Chlorobenzene	20.0	21.6	108	70 - 130	
Chlorodibromomethane	20.0	21.5	107	59 - 136	
Chloroethane	20.0	22.4	112	52 - 135	
Chloroform	20.0	21.5	108	74 - 129	
Chloromethane	20.0	18.2	90.9	30 - 131	
Cyclohexane	20.0	22.3	112	70 - 130	
1,2-Dibromo-3-chloropropane	20.0	21.0	105	40 - 135	
1,2-Dibromoethane	20.0	21.6	108	69 - 130	
1,2-Dichlorobenzene	20.0	21.4	107	70 - 130	
1,3-Dichlorobenzene	20.0	21.1	106	70 - 130	
1,4-Dichlorobenzene	20.0	21.5	108	70 - 130	
Dichlorodifluoromethane	20.0	19.5	97.6	25 - 130	
1,1-Dichloroethane	20.0	21.7	109	75 - 125	
1,2-Dichloroethane	20.0	21.6	108	63 - 133	
1,1-Dichloroethene	20.0	22.1	110	65 - 135	
cis-1,2-Dichloroethene	20.0	22.4	112	65 - 135	
trans-1,2-Dichloroethene	20.0	21.7	109	65 - 139	
1,2-Dichloropropane	20.0	21.3	107	70 - 130	
cis-1,3-Dichloropropene	20.0	22.0	110	70 - 142	
trans-1,3-Dichloropropene	20.0	21.5	108	56 - 135	
Ethylbenzene	20.0	22.4	112	70 - 130	
2-Hexanone	20.0	19.3	96.7	45 - 145	
Isopropylbenzene	20.0	21.6	108	68 - 129	
4-Methyl-2-pentanone	20.0	18.3	91.3	47 - 146	
Methylene chloride	20.0	21.6	108	74 - 128	
Styrene	20.0	22.5	113	74 - 130	
1,1,2,2-Tetrachloroethane	20.0	20.7	103	55 - 130	
Tetrachloroethene	20.0	21.8	109	72 - 130	
Toluene	20.0	22.2	111	77 - 126	
1,2,4-Trichlorobenzene	20.0	22.1	110	65 - 130	
1,1,2-Trichloro-1,2,2-Trifluoroethane	20.0	20.1	101	70 - 130	
1,1,1-Trichloroethane	20.0	22.3	111	70 - 135	
1,1,2-Trichloroethane	20.0	21.2	106	60 - 125	

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KEMRON Environmental Services

LABORATORY CONTROL SAMPLE

Login Number: L0510264 Run Date: 10/17/2005 Sample ID: WG198807-02
Instrument ID: HPMS11 Run Time: 18:41 Prep Method: 5030B
File ID: 11M29680 Analyst: CMS Method: 8260B
Workgroup (AAB#): WG198807 Matrix: Soil Units: ug/kg
Contract #: Cal ID: HPMS11-17-OCT-05

Analytes	Expected	Found	% Rec	LCS Limits	Q
Trichloroethene	20.0	21.6	108	72 - 126	
Trichlorofluoromethane	20.0	21.6	108	48 - 154	
Vinyl chloride	20.0	17.2	85.8	25 - 130	
o-Xylene	20.0	22.8	114	70 - 130	
m-,p-Xylene	40.0	46.6	116	70 - 130	
MTBE	20.0	20.7	104	54 - 151	

Surrogates	% Recovery	Surrogate Limits	Qualifier
Dibromofluoromethane	100	80 - 120	PASS
1,2-Dichloroethane-d4	99.2	80 - 120	PASS
Toluene-d8	102	81 - 117	PASS
4-Bromofluorobenzene	101	74 - 121	PASS

* FAILS %REC LIMIT

KEMRON FORMS - Modified 09/09/2005
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Report generated 10/18/2005 12:53

KEMRON Environmental Services

LABORATORY CONTROL SAMPLES

Login Number: L0510264 Analyst: CMS Prep Method: 5030B
Instrument ID: HPMS11 Matrix: Soil Method: 8260B
Workgroup (AAB#): WG198872 Units: ug/kg
Sample ID: WG198872-02 LCS File ID: 11M29711 Run Date: 10/18/2005 14:29
Sample ID: WG198872-03 LCS2 File ID: 11M29712 Run Date: 10/18/2005 14:59

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Acetone	20.0	22.0	110	20.0	20.6	103	6.86	20 - 160	30	
Benzene	20.0	21.6	108	20.0	21.4	107	0.828	70 - 139	30	
Bromodichloromethane	20.0	22.7	113	20.0	21.7	109	4.40	72 - 137	30	
Bromoform	20.0	19.3	96.5	20.0	19.3	96.7	0.128	49 - 136	30	
Bromomethane	20.0	25.3	127	20.0	24.6	123	2.90	37 - 143	30	
2-Butanone	20.0	19.1	95.7	20.0	21.4	107	11.1	37 - 172	30	
Carbon disulfide	20.0	18.1	90.3	20.0	17.6	88.0	2.56	39 - 139	30	
Carbon tetrachloride	20.0	16.4	82.2	20.0	16.7	83.3	1.32	59 - 136	30	
Chlorobenzene	20.0	21.0	105	20.0	21.3	106	1.39	70 - 130	30	
Chlorodibromomethane	20.0	22.3	112	20.0	21.7	109	2.80	59 - 136	30	
Chloroethane	20.0	20.5	102	20.0	20.1	100	1.96	52 - 135	30	
Chloroform	20.0	21.8	109	20.0	21.8	109	0.214	74 - 129	30	
Chloromethane	20.0	16.6	82.8	20.0	17.3	86.7	4.55	30 - 131	30	
Cyclohexane	20.0	20.1	100	20.0	21.7	108	7.70	70 - 130	30	
1,2-Dibromo-3-chloropropane	20.0	23.2	116	20.0	22.8	114	1.75	40 - 135	30	
1,2-Dibromoethane	20.0	22.0	110	20.0	21.9	110	0.627	69 - 130	30	
1,2-Dichlorobenzene	20.0	20.9	105	20.0	21.4	107	2.45	70 - 130	30	
1,3-Dichlorobenzene	20.0	20.8	104	20.0	20.9	104	0.226	70 - 130	30	
1,4-Dichlorobenzene	20.0	21.4	107	20.0	21.0	105	1.72	70 - 130	30	
Dichlorodifluoromethane	20.0	16.2	81.2	20.0	16.4	82.0	0.976	25 - 130	30	
1,1-Dichloroethane	20.0	21.6	108	20.0	21.4	107	1.06	75 - 125	30	
1,2-Dichloroethane	20.0	23.1	115	20.0	22.4	112	2.94	63 - 133	30	
1,1-Dichloroethene	20.0	19.9	99.7	20.0	20.4	102	2.43	65 - 135	30	
cis-1,2-Dichloroethene	20.0	22.1	110	20.0	21.9	109	0.903	65 - 135	30	
trans-1,2-Dichloroethene	20.0	19.7	98.6	20.0	20.7	104	4.94	65 - 139	30	
1,2-Dichloropropane	20.0	21.7	109	20.0	21.3	106	2.16	70 - 130	30	
cis-1,3-Dichloropropene	20.0	22.9	115	20.0	22.3	112	2.75	70 - 142	30	
trans-1,3-Dichloropropene	20.0	22.8	114	20.0	22.1	111	3.18	56 - 135	30	
Ethylbenzene	20.0	22.2	111	20.0	21.9	109	1.22	70 - 130	30	
2-Hexanone	20.0	23.3	116	20.0	25.8	129	10.4	45 - 145	30	
Isopropylbenzene	20.0	21.2	106	20.0	20.9	105	1.00	68 - 129	30	
4-Methyl-2-pentanone	20.0	22.0	110	20.0	21.0	105	4.88	47 - 146	30	
Methylene chloride	20.0	20.6	103	20.0	20.6	103	0.120	74 - 128	30	
Styrene	20.0	22.5	112	20.0	22.0	110	2.20	74 - 130	30	
1,1,2,2-Tetrachloroethane	20.0	21.3	106	20.0	20.5	102	3.84	55 - 130	30	
Tetrachloroethene	20.0	22.0	110	20.0	21.8	109	1.03	72 - 130	30	
Toluene	20.0	22.0	110	20.0	22.0	110	0.160	77 - 126	30	
1,2,4-Trichlorobenzene	20.0	21.4	107	20.0	22.2	111	3.96	65 - 130	30	
1,1,2-Trichloro-1,2,2-Trifluoroethane	20.0	16.7	83.6	20.0	18.9	94.7	12.5	70 - 130	30	
1,1,1-Trichloroethane	20.0	21.8	109	20.0	22.0	110	0.936	70 - 135	30	
1,1,2-Trichloroethane	20.0	22.0	110	20.0	21.6	108	2.04	60 - 125	30	
Trichloroethene	20.0	21.5	108	20.0	21.7	109	1.01	72 - 126	30	

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KEMRON Environmental Services

LABORATORY CONTROL SAMPLES

Login Number: L0510264 Analyst: CMS Prep Method: 5030B
Instrument ID: HPMS11 Matrix: Soil Method: 8260B
Workgroup (AAB#): WG198872 Units: ug/kg
Sample ID: WG198872-02 LCS File ID: 11M29711 Run Date: 10/18/2005 14:29
Sample ID: WG198872-03 LCS2 File ID: 11M29712 Run Date: 10/18/2005 14:59

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Trichlorofluoromethane	20.0	20.2	101	20.0	20.3	101	0.0945	48 - 154	30	
Vinyl chloride	20.0	16.2	81.2	20.0	16.9	84.4	3.80	25 - 130	30	
o-Xylene	20.0	22.2	111	20.0	22.0	110	0.869	70 - 130	30	
m-,p-Xylene	40.0	45.4	113	40.0	46.2	116	1.78	70 - 130	30	
MTBE	20.0	20.2	101	20.0	20.3	102	0.789	54 - 151	30	

Surogates	LCS	LCS2	Surrogate Limits	Qualifier
	% Recovery	% Recovery		
Dibromofluoromethane	101	99.6	80 - 120	PASS
1,2-Dichloroethane-d4	108	104	80 - 120	PASS
Toluene-d8	106	106	81 - 117	PASS
4-Bromofluorobenzene	99.1	100	74 - 121	PASS

* FAILS %REC LIMIT

FAILS RPD LIMIT

KEMRON FORMS - Modified 01/03/2005
Version 1.5 PDF File ID: 338671
Report generated 10/20/2005 08:49

KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK

BFB

Login Number: L0510264
Instrument: HPMS8
Analyst: CMS
Workgroup: WG196546

Tune ID: WG196546-01
Run Date: 09/13/2005
Run Time: 07:28
File ID: 8M322481
Cal ID: HPMS8-13-SEP-05

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
50.0	95.0	15.0	40.0	21.3	24538	PASS
75.0	95.0	30.0	60.0	46.9	54152	PASS
95.0	95.0	100	100	100	115405	PASS
96.0	95.0	5.00	9.00	6.66	7688	PASS
173	174	0	2.00	0.454	374	PASS
174	95.0	50.0	100	71.4	82426	PASS
175	174	5.00	9.00	7.15	5897	PASS
176	174	95.0	101	99.6	82101	PASS
177	176	5.00	9.00	6.38	5239	PASS

This check relates to the following samples, MS, MSD:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG196546-11	SSCV	01	09/13/2005 16:05	
WG196546-10	STD	01	09/13/2005 13:35	
WG196546-09	STD	01	09/13/2005 12:54	
WG196546-08	CCV	01	09/13/2005 12:24	
WG196546-07	STD	01	09/13/2005 11:54	
WG196546-02	STD	01	09/13/2005 11:22	
WG196546-03	STD	01	09/13/2005 10:52	
WG196546-04	STD	01	09/13/2005 10:19	
WG196546-05	STD	01	09/13/2005 09:49	
WG196546-06	STD	01	09/13/2005 09:19	

* Sample past 12 hour tune limit

KEMRON FORMS - Modified 10/10/2005
Version 1.3 PDF File ID: 339285
Report generated 10/20/2005 08:49

KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK

BFB

Login Number: L0510264
Instrument: HPMS11
Analyst: CMS
Workgroup: WG198725

Tune ID: WG198725-01
Run Date: 10/17/2005
Run Time: 07:05
File ID: 11M29659
Cal ID: HPMS11-17-OCT-05

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
50.0	95.0	15.0	40.0	25.3	16845	PASS
75.0	95.0	30.0	60.0	47.7	31765	PASS
95.0	95.0	100	100	100	66549	PASS
96.0	95.0	5.00	9.00	6.58	4378	PASS
173	174	0	2.00	0.226	121	PASS
174	95.0	50.0	100	80.5	53605	PASS
175	174	5.00	9.00	6.63	3554	PASS
176	174	95.0	101	99.5	53354	PASS
177	176	5.00	9.00	6.84	3647	PASS

This check relates to the following samples, MS, MSD:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG198725-11	SSCV-S	01	10/17/2005 15:16	
WG198725-10	STD-S	01	10/17/2005 13:39	
WG198725-09	STD-S	01	10/17/2005 13:07	
WG198725-08	CCV-S	01	10/17/2005 12:35	
WG198725-07	STD-S	01	10/17/2005 12:03	
WG198725-06	STD-S	01	10/17/2005 11:31	
WG198725-05	STD-S	01	10/17/2005 10:59	
WG198725-04	STD-S	01	10/17/2005 10:26	
WG198725-03	STD-S	01	10/17/2005 09:54	
WG198725-02	STD-S	01	10/17/2005 09:21	

* Sample past 12 hour tune limit

KEMRON FORMS - Modified 10/10/2005
Version 1.3 PDF File ID: 339285
Report generated 10/20/2005 08:49

KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK

BFB

Login Number: L0510264
Instrument: HPMS8
Analyst: CMS
Workgroup: WG198626

Tune ID: WG198626-01
Run Date: 10/14/2005
Run Time: 07:25
File ID: 8M323069
Cal ID: HPMS8 -13-SEP-05

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
50.0	95.0	15.0	40.0	24.3	23320	PASS
75.0	95.0	30.0	60.0	50.9	48802	PASS
95.0	95.0	100	100	100	95842	PASS
96.0	95.0	5.00	9.00	6.63	6353	PASS
173	174	0	2.00	0.686	449	PASS
174	95.0	50.0	100	68.3	65490	PASS
175	174	5.00	9.00	7.24	4739	PASS
176	174	95.0	101	97.2	63677	PASS
177	176	5.00	9.00	6.70	4266	PASS

This check relates to the following samples, MS, MSD:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG198627-01	BLANK	01	10/14/2005 08:59	
WG198627-02	LCS	01	10/14/2005 09:29	
WG198627-03	LCS2	01	10/14/2005 10:12	
L0510264-05	41-TB4-W-1012-05	01	10/14/2005 11:41	
WG198627-04	BLANK2	01	10/14/2005 20:09	*

* Sample past 12 hour tune limit

KEMRON FORMS - Modified 10/10/2005
Version 1.3 PDF File ID: 339286
Report generated 10/20/2005 08:50

KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK

BFB

Login Number: L0510264
Instrument: HPMS11
Analyst: CMS
Workgroup: WG198806

Tune ID: WG198806-01
Run Date: 10/17/2005
Run Time: 16:35
File ID: 11M29676
Cal ID: HPMS11 -17-OCT-05

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
50.0	95.0	15.0	40.0	27.6	12288	PASS
75.0	95.0	30.0	60.0	51.3	22840	PASS
95.0	95.0	100	100	100	44514	PASS
96.0	95.0	5.00	9.00	7.22	3214	PASS
173	174	0	2.00	0	0	PASS
174	95.0	50.0	100	80.2	35704	PASS
175	174	5.00	9.00	7.64	2729	PASS
176	174	95.0	101	101	36053	PASS
177	176	5.00	9.00	5.69	2050	PASS

This check relates to the following samples, MS, MSD:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG198807-01	BLANK	01	10/17/2005 18:08	
WG198807-02	LCS	01	10/17/2005 18:41	
L0510264-01	41-BG1-S-1012-05	01	10/17/2005 23:31	
L0510264-02	41-BG2-S-1012-05	01	10/18/2005 00:03	
L0510264-03	41-BF2-S-1012-05	01	10/18/2005 00:35	
L0510264-04	41-TS2-S-1012-05	01	10/18/2005 01:08	

* Sample past 12 hour tune limit

KEMRON FORMS - Modified 10/10/2005
Version 1.3 PDF File ID: 339286
Report generated 10/20/2005 08:50

KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK

BFB

Login Number: L0510264
Instrument: HPMS11
Analyst: CMS
Workgroup: WG198871

Tune ID: WG198871-01
Run Date: 10/18/2005
Run Time: 12:20
File ID: 11M29707
Cal ID: HPMS11 -17-OCT-05

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
50.0	95.0	15.0	40.0	24.6	16720	PASS
75.0	95.0	30.0	60.0	49.3	33466	PASS
95.0	95.0	100	100	100	67885	PASS
96.0	95.0	5.00	9.00	7.46	5063	PASS
173	174	0	2.00	0	0	PASS
174	95.0	50.0	100	79.1	53688	PASS
175	174	5.00	9.00	7.49	4020	PASS
176	174	95.0	101	99.1	53186	PASS
177	176	5.00	9.00	6.83	3630	PASS

This check relates to the following samples, MS, MSD:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG198872-01	BLANK	01	10/18/2005 13:59	
WG198872-02	LCS	01	10/18/2005 14:29	
WG198872-03	LCS2	01	10/18/2005 14:59	
L0510264-04	41-TS2-S-1012-05	A1	10/18/2005 15:59	

* Sample past 12 hour tune limit

KEMRON FORMS - Modified 10/10/2005
Version 1.3 PDF File ID: 339286
Report generated 10/20/2005 08:50

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264
Analytical Method: 8260B
ICAL Workgroup: WG198725

Instrument ID: HPMS11
Initial Calibration Date: 17-OCT-05

Analyte		AVG RF	% RSD	R2	QUAD
1,1-Dichloroethene	CCC	0.3242	11.8		
1,2-Dichloropropane	CCC	0.3906	7.59		
Chloroform	CCC	0.6397	8.68		
Ethylbenzene	CCC	0.6828	7.37		
Toluene	CCC	1.778	6.57		
Vinyl Chloride	CCC	0.4088	13.7		
1,1,2,2-Tetrachloroethane	SPCC	0.9277	8.00		
1,1-Dichloroethane	SPCC	0.7549	10.8		
Bromoform	SPCC	0.2743	16.4	0.999	
Chlorobenzene	SPCC	1.243	7.19		
Chloromethane	SPCC	0.5769	8.68		
1,1,1-Trichloroethane		0.5739	11.7		
1,1,2-Trichloro-1,2,2-Trifluoroethane		0.3893	8.69		
1,1,2-Trichloroethane		0.3440	6.14		
1,2,4-Trichlorobenzene		1.233	7.40		
1,2-Dibromo-3-Chloropropane		0.1908	14.3		
1,2-Dibromoethane		0.3836	7.56		
1,2-Dichlorobenzene		1.779	6.18		
1,2-Dichloroethane		0.6013	7.46		
1,3-Dichlorobenzene		1.895	7.30		
1,4-Dichlorobenzene		1.923	6.36		
2-Butanone		0.2073	8.95		
2-Hexanone		0.3282	7.01		
4-Methyl-2-Pentanone		0.1466	15.0		1.00
Acetone		0.1699	11.9		
Benzene		1.355	7.65		
Bromodichloromethane		0.4447	10.8		
Bromomethane		0.2160	16.8		1.00
Carbon Disulfide		1.134	11.4		
Carbon Tetrachloride		0.4982	16.1		1.00
Chloroethane		0.2991	12.3		
Cyclohexane		0.7437	12.3		
Dibromochloromethane		0.4044	14.0		
Dichlorodifluoromethane		0.5488	9.51		
Isopropylbenzene		2.017	11.7		
Methyl Tert Butyl Ether		0.9148	10.0		
Methylene Chloride		0.3581	6.46		
Styrene		1.300	11.9		
Tetrachloroethene		0.3917	7.63		
Trichloroethene		0.3771	8.09		
Trichlorofluoromethane		0.6989	13.1		
cis-1,2-Dichloroethene		0.3572	9.03		
cis-1,3-Dichloropropene		0.5294	12.1		
m-,p-Xylene		0.8048	10.9		
o-Xylene		1.577	10.2		

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INITIAL CALIBRATION

Login Number: L0510264

Analytical Method: 8260B

ICAL Workgroup: WG198725

Instrument ID: HPMS11

Initial Calibration Date: 17-OCT-05

Analyte		AVG RF	% RSD	R2	QUAD
trans-1,2-Dichloroethene		0.3492	10.9		
trans-1,3-Dichloropropene		0.6335	13.4		

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INITIAL CALIBRATION

Login Number: L0510264 Instrument ID: HPMS8

Analytical Method: 8260B Initial Calibration Date: 13-SEP-05

ICAL Workgroup: WG196546

Analyte		AVG RF	% RSD	R2	QUAD
1,1-Dichloroethene	CCC	0.3117	11.3		
1,2-Dichloropropane	CCC	0.1847	9.57		
Chloroform	CCC	0.3614	9.52		
Ethylbenzene	CCC	0.3785	11.4		
Toluene	CCC	1.078	9.45		
Vinyl Chloride	CCC	0.1436	16.2		1.00
1,1,2,2-Tetrachloroethane	SPCC	0.3196	13.0		
1,1-Dichloroethane	SPCC	0.3586	12.1		
Bromoform	SPCC	0.1142	17.0		1.00
Chlorobenzene	SPCC	0.7157	9.99		
Chloromethane	SPCC	0.2021	9.38		
1,1,1-Trichloroethane		0.3498	8.88		
1,1,2-Trichloro-1,2,2-Trifluoroethane		0.2218	4.15		
1,1,2-Trichloroethane		0.1702	5.16		
1,2,4-Trichlorobenzene		0.6202	11.5		
1,2-Dibromo-3-Chloropropane		0.05505	15.4	0.999	
1,2-Dibromoethane		0.1591	10.5		
1,2-Dichlorobenzene		0.9330	9.32		
1,2-Dichloroethane		0.2678	6.03		
1,3-Dichlorobenzene		1.061	11.1		
1,4-Dichlorobenzene		1.119	6.47		
2-Butanone		0.04098	8.15		
2-Hexanone		0.08618	11.8		
4-Methyl-2-Pentanone		0.03754	9.53		
Acetone		0.03153	8.76		
Benzene		0.7228	12.7		
Bromodichloromethane		0.2469	12.0		
Bromomethane		0.1438	5.73		
Carbon Disulfide		0.5460	5.00		
Carbon Tetrachloride		0.3123	10.5		
Chloroethane		0.1470	1.83		
Cyclohexane		0.3266	13.2		
Dibromochloromethane		0.2009	16.2		1.00
Dichlorodifluoromethane		0.3101	3.73		
Isopropylbenzene		1.135	16.4		1.00
Methyl Tert Butyl Ether		0.3627	9.65		
Methylene Chloride		0.1901	2.85		
Styrene		0.7573	15.7		1.00
Tetrachloroethene		0.2140	8.85		
Trichloroethene		0.2007	6.39		
Trichlorofluoromethane		0.4047	3.66		
cis-1,2-Dichloroethene		0.3099	11.8		
cis-1,3-Dichloropropene		0.2691	17.9		1.00
m-,p-Xylene		0.4560	17.6		1.00
o-Xylene		0.4512	14.6		

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INITIAL CALIBRATION

Login Number: L0510264

Analytical Method: 8260B

ICAL Workgroup: WG196546

Instrument ID: HPMS8

Initial Calibration Date: 13-SEP-05

Analyte		AVG RF	% RSD	R2	QUAD
trans-1,2-Dichloroethene		0.2978	8.79		
trans-1,3-Dichloropropene		0.3350	12.0		

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KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 **Instrument ID:** HPMS11

Analytical Method: 8260B **Initial Calibration Date:** 17-OCT-05

Analyte	WG198725-02			WG198725-03		
	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	NA	NA	NA	1.00	3947	0.2876
1,2-Dichloropropane	NA	NA	NA	1.00	5281	0.3848
Chloroform	NA	NA	NA	1.00	8169	0.5952
Ethylbenzene	NA	NA	NA	1.00	7057	0.6544
Toluene	NA	NA	NA	1.00	18793	1.743
Vinyl Chloride	NA	NA	NA	1.00	6448	0.4698
1,1,2,2-Tetrachloroethane	NA	NA	NA	1.00	5739	1.013
1,1-Dichloroethane	NA	NA	NA	1.00	9058	0.6600
Bromoform	NA	NA	NA	NA	NA	NA
Chlorobenzene	NA	NA	NA	1.00	14780	1.371
Chloromethane	NA	NA	NA	1.00	8902	0.6486
1,1,1-Trichloroethane	NA	NA	NA	1.00	6862	0.5000
1,1,2-Trichloro-1,2,2-Trifluoroethane	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	NA	NA	NA	1.00	3482	0.3229
1,2,4-Trichlorobenzene	NA	NA	NA	1.00	7008	1.237
1,2-Dibromo-3-Chloropropane	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	NA	NA	NA	1.00	3699	0.3430
1,2-Dichlorobenzene	NA	NA	NA	1.00	9873	1.743
1,2-Dichloroethane	NA	NA	NA	1.00	7484	0.5453
1,3-Dichlorobenzene	NA	NA	NA	1.00	10789	1.905
1,4-Dichlorobenzene	NA	NA	NA	1.00	10996	1.941
2-Butanone	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	NA	NA	NA	NA	NA	NA
Acetone	NA	NA	NA	NA	NA	NA
Benzene	NA	NA	NA	1.00	17412	1.269
Bromodichloromethane	NA	NA	NA	1.00	5716	0.4165
Bromomethane	NA	NA	NA	NA	NA	NA
Carbon Disulfide	NA	NA	NA	1.00	18038	1.314
Carbon Tetrachloride	NA	NA	NA	NA	NA	NA
Chloroethane	NA	NA	NA	NA	NA	NA
Cyclohexane	NA	NA	NA	1.00	10238	0.7459
Dibromochloromethane	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	NA	NA	NA	1.00	6928	0.5048
Isopropylbenzene	NA	NA	NA	1.00	17778	1.649
Methyl Tert Butyl Ether	NA	NA	NA	1.00	12931	0.9422
Methylene Chloride	NA	NA	NA	1.00	4892	0.3564
Styrene	NA	NA	NA	1.00	11849	1.099
Tetrachloroethene	NA	NA	NA	1.00	4012	0.3721
Trichloroethene	NA	NA	NA	1.00	4864	0.3544
Trichlorofluoromethane	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	NA	NA	NA	1.00	4404	0.3209

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INITIAL CALIBRATION

Login Number: L0510264 **Instrument ID:** HPMS11

Analytical Method: 8260B **Initial Calibration Date:** 17-OCT-05

Analyte	WG198725-04			WG198725-05		
	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	2.00	8477	0.3223	5.00	17159	0.2589
1,2-Dichloropropane	2.00	10564	0.4016	5.00	22277	0.3361
Chloroform	2.00	16765	0.6374	5.00	36519	0.5510
Ethylbenzene	2.00	14710	0.7184	5.00	30073	0.5825
Toluene	2.00	36698	1.792	5.00	81844	1.585
Vinyl Chloride	2.00	12443	0.4731	5.00	24075	0.3632
1,1,2,2-Tetrachloroethane	2.00	11203	1.023	5.00	23373	0.8211
1,1-Dichloroethane	2.00	20802	0.7909	5.00	41650	0.6284
Bromoform	NA	NA	NA	5.00	10307	0.1996
Chlorobenzene	2.00	25990	1.269	5.00	55862	1.082
Chloromethane	2.00	17117	0.6508	5.00	34627	0.5224
1,1,1-Trichloroethane	2.00	13922	0.5293	5.00	31723	0.4786
1,1,2-Trichloro-1,2,2-Trifluoroethane	2.00	9918	0.3771	5.00	22449	0.3387
1,1,2-Trichloroethane	2.00	7147	0.3490	5.00	16283	0.3154
1,2,4-Trichlorobenzene	2.00	13686	1.250	5.00	30511	1.072
1,2-Dibromo-3-Chloropropane	NA	NA	NA	5.00	4191	0.1472
1,2-Dibromoethane	2.00	7834	0.3826	5.00	17976	0.3482
1,2-Dichlorobenzene	2.00	19872	1.814	5.00	45369	1.594
1,2-Dichloroethane	2.00	16456	0.6256	5.00	35997	0.5431
1,3-Dichlorobenzene	2.00	21946	2.004	5.00	46248	1.625
1,4-Dichlorobenzene	2.00	21169	1.933	5.00	48772	1.713
2-Butanone	NA	NA	NA	5.00	11994	0.1810
2-Hexanone	NA	NA	NA	5.00	15811	0.3062
4-Methyl-2-Pentanone	NA	NA	NA	5.00	7433	0.1121
Acetone	NA	NA	NA	5.00	12930	0.1951
Benzene	2.00	36584	1.391	5.00	77753	1.173
Bromodichloromethane	2.00	10587	0.4025	5.00	25093	0.3786
Bromomethane	2.00	5145	0.1956	5.00	11005	0.1660
Carbon Disulfide	2.00	27901	1.061	5.00	61805	0.9325
Carbon Tetrachloride	2.00	11296	0.4295	5.00	24617	0.3714
Chloroethane	2.00	7574	0.2880	5.00	15814	0.2386
Cyclohexane	2.00	17359	0.6600	5.00	40670	0.6136
Dibromochloromethane	2.00	6997	0.3417	5.00	16747	0.3244
Dichlorodifluoromethane	2.00	14952	0.5685	5.00	29909	0.4513
Isopropylbenzene	2.00	41707	2.037	5.00	88478	1.714
Methyl Tert Butyl Ether	2.00	22124	0.8411	5.00	53941	0.8138
Methylene Chloride	2.00	9625	0.3659	5.00	21627	0.3263
Styrene	2.00	25570	1.249	5.00	56521	1.095
Tetrachloroethene	2.00	8479	0.4141	5.00	17382	0.3367
Trichloroethene	2.00	10094	0.3838	5.00	21404	0.3229
Trichlorofluoromethane	2.00	16004	0.6085	5.00	36836	0.5558
cis-1,2-Dichloroethene	2.00	9280	0.3528	5.00	20476	0.3089

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INITIAL CALIBRATION

Login Number: L0510264 **Instrument ID:** HPMS11

Analytical Method: 8260B **Initial Calibration Date:** 17-OCT-05

Analyte	WG198725-06			WG198725-07		
	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	10.0	44080	0.3440	20.0	78548	0.3057
1,2-Dichloropropane	10.0	50460	0.3938	20.0	92282	0.3591
Chloroform	10.0	85917	0.6705	20.0	151149	0.5883
Ethylbenzene	10.0	70145	0.7166	20.0	133779	0.6510
Toluene	10.0	185906	1.899	20.0	335554	1.633
Vinyl Chloride	10.0	55383	0.4322	20.0	100364	0.3906
1,1,2,2-Tetrachloroethane	10.0	49513	0.9579	20.0	93046	0.8321
1,1-Dichloroethane	10.0	100817	0.7868	20.0	178793	0.6958
Bromoform	10.0	27053	0.2764	20.0	50370	0.2451
Chlorobenzene	10.0	125484	1.282	20.0	237768	1.157
Chloromethane	10.0	75170	0.5866	20.0	137736	0.5360
1,1,1-Trichloroethane	10.0	77923	0.6081	20.0	142927	0.5563
1,1,2-Trichloro-1,2,2-Trifluoroethane	10.0	50835	0.3967	20.0	91965	0.3579
1,1,2-Trichloroethane	10.0	35985	0.3676	20.0	65933	0.3208
1,2,4-Trichlorobenzene	10.0	64569	1.249	20.0	125575	1.123
1,2-Dibromo-3-Chloropropane	10.0	10122	0.1958	20.0	18831	0.1684
1,2-Dibromoethane	10.0	39687	0.4054	20.0	74568	0.3629
1,2-Dichlorobenzene	10.0	97074	1.878	20.0	185332	1.657
1,2-Dichloroethane	10.0	77733	0.6066	20.0	144280	0.5615
1,3-Dichlorobenzene	10.0	101077	1.955	20.0	196467	1.757
1,4-Dichlorobenzene	10.0	105329	2.038	20.0	198363	1.774
2-Butanone	10.0	26133	0.2039	20.0	49440	0.1924
2-Hexanone	10.0	32854	0.3356	20.0	61469	0.2991
4-Methyl-2-Pentanone	10.0	17406	0.1358	20.0	35320	0.1375
Acetone	10.0	24942	0.1947	20.0	38045	0.1481
Benzene	10.0	182625	1.425	20.0	327269	1.274
Bromodichloromethane	10.0	58853	0.4593	20.0	105942	0.4123
Bromomethane	10.0	26462	0.2065	20.0	48304	0.1880
Carbon Disulfide	10.0	145158	1.133	20.0	259432	1.010
Carbon Tetrachloride	10.0	65234	0.5091	20.0	119611	0.4655
Chloroethane	10.0	39526	0.3085	20.0	68456	0.2664
Cyclohexane	10.0	94557	0.7379	20.0	175026	0.6812
Dibromochloromethane	10.0	42440	0.4336	20.0	76940	0.3744
Dichlorodifluoromethane	10.0	76034	0.5934	20.0	138463	0.5389
Isopropylbenzene	10.0	211150	2.157	20.0	393259	1.914
Methyl Tert Butyl Ether	10.0	113559	0.8862	20.0	205529	0.7999
Methylene Chloride	10.0	47124	0.3678	20.0	81951	0.3189
Styrene	10.0	134870	1.378	20.0	251278	1.223
Tetrachloroethene	10.0	39923	0.4079	20.0	75419	0.3670
Trichloroethene	10.0	49823	0.3888	20.0	92137	0.3586
Trichlorofluoromethane	10.0	92451	0.7215	20.0	172427	0.6711
cis-1,2-Dichloroethene	10.0	47151	0.3680	20.0	87251	0.3396

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KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 **Instrument ID:** HPMS11

Analytical Method: 8260B **Initial Calibration Date:** 17-OCT-05

Analyte	WG198725-08			WG198725-09		
	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	50.0	242935	0.3675	100	499651	0.3433
1,2-Dichloropropane	50.0	274557	0.4154	100	610860	0.4197
Chloroform	50.0	458956	0.6944	100	999487	0.6866
Ethylbenzene	50.0	393622	0.7331	100	828051	0.7102
Toluene	50.0	1015913	1.892	100	2155051	1.848
Vinyl Chloride	50.0	273247	0.4134	100	464375	0.3190
1,1,2,2-Tetrachloroethane	50.0	266817	0.9224	100	612033	0.9460
1,1-Dichloroethane	50.0	539824	0.8167	100	1191047	0.8182
Bromoform	50.0	159181	0.2965	100	371150	0.3183
Chlorobenzene	50.0	697972	1.300	100	1472329	1.263
Chloromethane	50.0	383427	0.5801	100	778722	0.5350
1,1,1-Trichloroethane	50.0	432071	0.6537	100	904321	0.6213
1,1,2-Trichloro-1,2,2-Trifluoroethane	50.0	284856	0.4310	100	579433	0.3981
1,1,2-Trichloroethane	50.0	195094	0.3633	100	421569	0.3616
1,2,4-Trichlorobenzene	50.0	374860	1.296	100	869317	1.344
1,2-Dibromo-3-Chloropropane	50.0	59616	0.2061	100	138223	0.2136
1,2-Dibromoethane	50.0	218840	0.4076	100	487935	0.4185
1,2-Dichlorobenzene	50.0	552071	1.909	100	1202467	1.859
1,2-Dichloroethane	50.0	423783	0.6412	100	951485	0.6537
1,3-Dichlorobenzene	50.0	590142	2.040	100	1272487	1.967
1,4-Dichlorobenzene	50.0	595093	2.057	100	1298206	2.007
2-Butanone	50.0	141302	0.2138	100	335062	0.2302
2-Hexanone	50.0	173162	0.3225	100	412775	0.3540
4-Methyl-2-Pentanone	50.0	107128	0.1621	100	247221	0.1698
Acetone	50.0	104235	0.1577	100	242361	0.1665
Benzene	50.0	971269	1.470	100	2071353	1.423
Bromodichloromethane	50.0	325877	0.4930	100	723992	0.4974
Bromomethane	50.0	163125	0.2468	100	358278	0.2461
Carbon Disulfide	50.0	837946	1.268	100	1681359	1.155
Carbon Tetrachloride	50.0	381181	0.5767	100	800880	0.5502
Chloroethane	50.0	218692	0.3309	100	466964	0.3208
Cyclohexane	50.0	581311	0.8795	100	1140464	0.7835
Dibromochloromethane	50.0	237256	0.4419	100	536390	0.4601
Dichlorodifluoromethane	50.0	409437	0.6195	100	812616	0.5583
Isopropylbenzene	50.0	1216998	2.267	100	2561034	2.197
Methyl Tert Butyl Ether	50.0	663403	1.004	100	1472120	1.011
Methylene Chloride	50.0	251288	0.3802	100	544097	0.3738
Styrene	50.0	785227	1.462	100	1701957	1.460
Tetrachloroethene	50.0	227739	0.4241	100	470762	0.4038
Trichloroethene	50.0	278972	0.4221	100	572770	0.3935
Trichlorofluoromethane	50.0	524189	0.7931	100	1095123	0.7523
cis-1,2-Dichloroethene	50.0	262971	0.3979	100	559597	0.3844

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INITIAL CALIBRATION

Login Number: L0510264 **Instrument ID:** HPMS11

Analytical Method: 8260B **Initial Calibration Date:** 17-OCT-05

Analyte	WG198725-10		
	CONC	RESP	RF
1,1-Dichloroethene	200	1179525	0.3640
1,2-Dichloropropane	200	1343080	0.4144
Chloroform	200	2248684	0.6939
Ethylbenzene	200	1778792	0.6959
Toluene	200	4691099	1.835
Vinyl Chloride	NA	NA	NA
1,1,2,2-Tetrachloroethane	200	1265444	0.9064
1,1-Dichloroethane	200	2730763	0.8426
Bromoform	200	792153	0.3099
Chlorobenzene	200	3126475	1.223
Chloromethane	200	1800426	0.5555
1,1,1-Trichloroethane	200	2086477	0.6438
1,1,2-Trichloro-1,2,2-Trifluoroethane	200	1378773	0.4254
1,1,2-Trichloroethane	200	898820	0.3516
1,2,4-Trichlorobenzene	200	1803168	1.292
1,2-Dibromo-3-Chloropropane	200	298105	0.2135
1,2-Dibromoethane	200	1023801	0.4005
1,2-Dichlorobenzene	200	2487364	1.782
1,2-Dichloroethane	200	2051962	0.6332
1,3-Dichlorobenzene	200	2668016	1.911
1,4-Dichlorobenzene	200	2679537	1.919
2-Butanone	200	720918	0.2225
2-Hexanone	200	899375	0.3519
4-Methyl-2-Pentanone	200	526716	0.1625
Acetone	200	510085	0.1574
Benzene	200	4598288	1.419
Bromodichloromethane	200	1613587	0.4979
Bromomethane	200	852620	0.2631
Carbon Disulfide	200	3898146	1.203
Carbon Tetrachloride	200	1896943	0.5853
Chloroethane	200	1102829	0.3403
Cyclohexane	200	2747954	0.8479
Dibromochloromethane	200	1162694	0.4549
Dichlorodifluoromethane	200	1800865	0.5557
Isopropylbenzene	200	5635437	2.205
Methyl Tert Butyl Ether	200	3306162	1.020
Methylene Chloride	200	1217126	0.3756
Styrene	200	3669388	1.436
Tetrachloroethene	200	1042982	0.4080
Trichloroethene	200	1273055	0.3928
Trichlorofluoromethane	200	2560041	0.7899
cis-1,2-Dichloroethene	200	1248989	0.3854

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INITIAL CALIBRATION

Login Number: L0510264 Instrument ID: HPMS11

Analytical Method: 8260B Initial Calibration Date: 17-OCT-05

Analyte	WG198725-02			WG198725-03		
	CONC	RESP	RF	CONC	RESP	RF
cis-1,3-Dichloropropene	NA	NA	NA	1.00	6382	0.4650
m-,p-Xylene	1.00	7140	0.6253	2.00	16274	0.7546
o-Xylene	NA	NA	NA	1.00	14380	1.334
trans-1,2-Dichloroethene	NA	NA	NA	1.00	3969	0.2892
trans-1,3-Dichloropropene	NA	NA	NA	1.00	5594	0.5188

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INITIAL CALIBRATION

Login Number: L0510264 Instrument ID: HPMS11

Analytical Method: 8260B Initial Calibration Date: 17-OCT-05

Analyte	WG198725-04			WG198725-05		
	CONC	RESP	RF	CONC	RESP	RF
cis-1,3-Dichloropropene	2.00	12719	0.4836	5.00	29665	0.4476
m-,p-Xylene	4.00	34338	0.8385	10.0	76911	0.7448
o-Xylene	2.00	33178	1.620	5.00	70394	1.363
trans-1,2-Dichloroethene	2.00	9959	0.3786	5.00	19634	0.2962
trans-1,3-Dichloropropene	2.00	12160	0.5939	5.00	27359	0.5299

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INITIAL CALIBRATION

Login Number: L0510264 Instrument ID: HPMS11

Analytical Method: 8260B Initial Calibration Date: 17-OCT-05

Analyte	WG198725-06			WG198725-07		
	CONC	RESP	RF	CONC	RESP	RF
cis-1,3-Dichloropropene	10.0	70454	0.5498	20.0	127128	0.4948
m-,p-Xylene	20.0	172832	0.8828	40.0	319067	0.7763
o-Xylene	10.0	161231	1.647	20.0	305860	1.488
trans-1,2-Dichloroethene	10.0	46801	0.3652	20.0	86274	0.3358
trans-1,3-Dichloropropene	10.0	66922	0.6837	20.0	122313	0.5952

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INITIAL CALIBRATION

Login Number: L0510264 Instrument ID: HPMS11

Analytical Method: 8260B Initial Calibration Date: 17-OCT-05

Analyte	WG198725-08			WG198725-09		
	CONC	RESP	RF	CONC	RESP	RF
cis-1,3-Dichloropropene	50.0	390776	0.5912	100	877103	0.6026
m-,p-Xylene	100	964403	0.8981	200	2025540	0.8687
o-Xylene	50.0	927831	1.728	100	2010221	1.724
trans-1,2-Dichloroethene	50.0	252630	0.3822	100	530556	0.3645
trans-1,3-Dichloropropene	50.0	373104	0.6949	100	841617	0.7219

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INITIAL CALIBRATION

Login Number: L0510264 Instrument ID: HPMS11

Analytical Method: 8260B Initial Calibration Date: 17-OCT-05

Analyte	WG198725-10		
	CONC	RESP	RF
cis-1,3-Dichloropropene	200	1946728	0.6007
m-,p-Xylene	400	4367005	0.8542
o-Xylene	200	4369530	1.710
trans-1,2-Dichloroethene	200	1237369	0.3818
trans-1,3-Dichloropropene	200	1865429	0.7298

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KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 **Instrument ID:** HPMS8

Analytical Method: 8260B **Initial Calibration Date:** 13-SEP-05

Analyte	WG196546-02			WG196546-03		
	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	NA	NA	NA	0.400	2248	0.1470
Chloroform	0.300	3696	0.3347	0.400	4406	0.2881
Ethylbenzene	NA	NA	NA	NA	NA	NA
Toluene	NA	NA	NA	NA	NA	NA
Vinyl Chloride	NA	NA	NA	0.400	1922	0.1257
1,1,2,2-Tetrachloroethane	NA	NA	NA	0.400	1312	0.2218
1,1-Dichloroethane	NA	NA	NA	0.400	4025	0.2632
Bromoform	NA	NA	NA	NA	NA	NA
Chlorobenzene	NA	NA	NA	0.400	7341	0.6638
Chloromethane	NA	NA	NA	0.400	3291	0.2152
1,1,1-Trichloroethane	NA	NA	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-Trifluoroethane	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	NA	NA	NA	0.400	1741	0.1574
1,2,4-Trichlorobenzene	NA	NA	NA	0.400	2852	0.4821
1,2-Dibromo-3-Chloropropane	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	NA	NA	NA	0.400	1426	0.1289
1,2-Dichlorobenzene	0.300	3504	0.8121	0.400	4891	0.8268
1,2-Dichloroethane	NA	NA	NA	0.400	3720	0.2433
1,3-Dichlorobenzene	NA	NA	NA	0.400	4816	0.8142
1,4-Dichlorobenzene	0.300	4849	1.124	0.400	5936	1.004
2-Butanone	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	NA	NA	NA	NA	NA	NA
Acetone	NA	NA	NA	NA	NA	NA
Benzene	NA	NA	NA	0.400	8034	0.5254
Bromodichloromethane	NA	NA	NA	0.400	2813	0.1840
Bromomethane	NA	NA	NA	NA	NA	NA
Carbon Disulfide	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	NA	NA	NA	NA	NA	NA
Chloroethane	NA	NA	NA	NA	NA	NA
Cyclohexane	NA	NA	NA	NA	NA	NA
Dibromochloromethane	NA	NA	NA	0.400	1609	0.1455
Dichlorodifluoromethane	NA	NA	NA	NA	NA	NA
Isopropylbenzene	NA	NA	NA	NA	NA	NA
Methyl Tert Butyl Ether	NA	NA	NA	NA	NA	NA
Methylene Chloride	NA	NA	NA	0.400	2769	0.1811
Styrene	NA	NA	NA	NA	NA	NA
Tetrachloroethene	NA	NA	NA	NA	NA	NA
Trichloroethene	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA

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INITIAL CALIBRATION

Login Number: L0510264 **Instrument ID:** HPMS8

Analytical Method: 8260B **Initial Calibration Date:** 13-SEP-05

Analyte	WG196546-04			WG196546-05		
	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	1.00	9649	0.2451	2.00	22626	0.2837
1,2-Dichloropropane	1.00	7091	0.1801	2.00	14207	0.1782
Chloroform	1.00	13688	0.3476	2.00	29193	0.3661
Ethylbenzene	1.00	9773	0.3405	2.00	21693	0.3735
Toluene	1.00	25566	0.8909	2.00	60286	1.038
Vinyl Chloride	1.00	7237	0.1838	2.00	12854	0.1612
1,1,2,2-Tetrachloroethane	1.00	4970	0.3183	2.00	10259	0.3209
1,1-Dichloroethane	1.00	13171	0.3345	2.00	28134	0.3528
Bromoform	1.00	2425	0.08450	2.00	5268	0.09070
Chlorobenzene	1.00	20807	0.7250	2.00	43637	0.7513
Chloromethane	1.00	8824	0.2241	2.00	17725	0.2223
1,1,1-Trichloroethane	1.00	11570	0.2938	2.00	26004	0.3261
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.00	8092	0.2055	2.00	17672	0.2216
1,1,2-Trichloroethane	1.00	4674	0.1629	2.00	9925	0.1709
1,2,4-Trichlorobenzene	1.00	8814	0.5645	2.00	19357	0.6054
1,2-Dibromo-3-Chloropropane	NA	NA	NA	2.00	1236	0.03870
1,2-Dibromoethane	1.00	4102	0.1429	2.00	8794	0.1514
1,2-Dichlorobenzene	1.00	13289	0.8511	2.00	29797	0.9320
1,2-Dichloroethane	1.00	10488	0.2664	2.00	20826	0.2612
1,3-Dichlorobenzene	1.00	15478	0.9913	2.00	33866	1.059
1,4-Dichlorobenzene	1.00	16821	1.077	2.00	36354	1.137
2-Butanone	NA	NA	NA	2.00	2839	0.03560
2-Hexanone	NA	NA	NA	2.00	4151	0.07150
4-Methyl-2-Pentanone	NA	NA	NA	NA	NA	NA
Acetone	NA	NA	NA	2.00	2629	0.03300
Benzene	1.00	26216	0.6658	2.00	58225	0.7302
Bromodichloromethane	1.00	9303	0.2363	2.00	18569	0.2329
Bromomethane	1.00	5326	0.1353	2.00	11042	0.1385
Carbon Disulfide	1.00	19662	0.4994	2.00	41007	0.5143
Carbon Tetrachloride	1.00	9933	0.2523	2.00	22785	0.2857
Chloroethane	1.00	5698	0.1447	2.00	11415	0.1432
Cyclohexane	1.00	9847	0.2501	2.00	22692	0.2846
Dibromochloromethane	1.00	4720	0.1645	2.00	10632	0.1831
Dichlorodifluoromethane	1.00	12411	0.3152	2.00	24234	0.3039
Isopropylbenzene	1.00	22771	0.7935	2.00	57025	0.9818
Methyl Tert Butyl Ether	1.00	12238	0.3108	2.00	25604	0.3211
Methylene Chloride	1.00	7587	0.1927	2.00	14890	0.1867
Styrene	1.00	16016	0.5581	2.00	37326	0.6427
Tetrachloroethene	1.00	5229	0.1822	2.00	11750	0.2023
Trichloroethene	1.00	6999	0.1778	2.00	15371	0.1928
Trichlorofluoromethane	1.00	15113	0.3838	2.00	31364	0.3933
cis-1,2-Dichloroethene	1.00	10262	0.2606	2.00	21599	0.2709

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INITIAL CALIBRATION

Login Number: L0510264 **Instrument ID:** HPMS8

Analytical Method: 8260B **Initial Calibration Date:** 13-SEP-05

Analyte	WG196546-06			WG196546-07		
	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	5.00	64225	0.3157	20.0	260785	0.3398
1,2-Dichloropropane	5.00	39977	0.1965	20.0	155037	0.2020
Chloroform	5.00	78348	0.3851	20.0	306339	0.3992
Ethylbenzene	5.00	61946	0.4130	20.0	245186	0.4294
Toluene	5.00	169395	1.130	20.0	678704	1.189
Vinyl Chloride	5.00	30535	0.1501	20.0	119370	0.1555
1,1,2,2-Tetrachloroethane	5.00	29423	0.3544	20.0	111252	0.3450
1,1-Dichloroethane	5.00	77026	0.3786	20.0	303149	0.3950
Bromoform	5.00	16761	0.1118	20.0	73621	0.1289
Chlorobenzene	5.00	117650	0.7844	20.0	452739	0.7928
Chloromethane	5.00	41484	0.2039	20.0	158730	0.2068
1,1,1-Trichloroethane	5.00	73247	0.3600	20.0	292959	0.3817
1,1,2-Trichloro-1,2,2-Trifluoroethane	5.00	45652	0.2244	20.0	180179	0.2348
1,1,2-Trichloroethane	5.00	26437	0.1763	20.0	103369	0.1810
1,2,4-Trichlorobenzene	5.00	56932	0.6858	20.0	218395	0.6772
1,2-Dibromo-3-Chloropropane	5.00	4552	0.05480	20.0	18067	0.05600
1,2-Dibromoethane	5.00	24594	0.1640	20.0	98637	0.1727
1,2-Dichlorobenzene	5.00	85769	1.033	20.0	329308	1.021
1,2-Dichloroethane	5.00	56779	0.2791	20.0	223801	0.2916
1,3-Dichlorobenzene	5.00	95518	1.151	20.0	376362	1.167
1,4-Dichlorobenzene	5.00	101019	1.217	20.0	388366	1.204
2-Butanone	5.00	8069	0.03970	20.0	30797	0.04010
2-Hexanone	5.00	11492	0.07660	20.0	50498	0.08840
4-Methyl-2-Pentanone	5.00	6427	0.03160	20.0	29299	0.03820
Acetone	5.00	7100	0.03490	20.0	24486	0.03190
Benzene	5.00	159699	0.7850	20.0	615507	0.8020
Bromodichloromethane	5.00	51776	0.2545	20.0	208268	0.2714
Bromomethane	5.00	29846	0.1467	20.0	106604	0.1389
Carbon Disulfide	5.00	113600	0.5584	20.0	431980	0.5629
Carbon Tetrachloride	5.00	65677	0.3228	20.0	264854	0.3451
Chloroethane	5.00	29670	0.1458	20.0	115261	0.1502
Cyclohexane	5.00	67265	0.3306	20.0	275990	0.3596
Dibromochloromethane	5.00	31598	0.2107	20.0	129914	0.2275
Dichlorodifluoromethane	5.00	64754	0.3183	20.0	251052	0.3271
Isopropylbenzene	5.00	176199	1.175	20.0	739590	1.295
Methyl Tert Butyl Ether	5.00	72565	0.3567	20.0	294325	0.3835
Methylene Chloride	5.00	39925	0.1962	20.0	149925	0.1954
Styrene	5.00	116235	0.7750	20.0	498083	0.8723
Tetrachloroethene	5.00	33635	0.2243	20.0	134359	0.2353
Trichloroethene	5.00	41522	0.2041	20.0	163890	0.2136
Trichlorofluoromethane	5.00	83720	0.4115	20.0	328537	0.4281
cis-1,2-Dichloroethene	5.00	60255	0.2962	20.0	274343	0.3575

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INITIAL CALIBRATION

Login Number: L0510264 **Instrument ID:** HPMS8

Analytical Method: 8260B **Initial Calibration Date:** 13-SEP-05

Analyte	WG196546-08			WG196546-09		
	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	50.0	687353	0.3361	100	1445594	0.3349
1,2-Dichloropropane	50.0	403443	0.1973	100	839755	0.1945
Chloroform	50.0	796330	0.3894	100	1645775	0.3813
Ethylbenzene	50.0	628057	0.4084	100	1213586	0.3771
Toluene	50.0	1775422	1.155	100	3607639	1.121
Vinyl Chloride	50.0	273949	0.1340	100	537335	0.1245
1,1,2,2-Tetrachloroethane	50.0	288414	0.3364	100	610276	0.3407
1,1-Dichloroethane	50.0	799633	0.3910	100	1655320	0.3835
Bromoform	50.0	197878	0.1287	100	426662	0.1326
Chlorobenzene	50.0	1142647	0.7430	100	2218696	0.6895
Chloromethane	50.0	388998	0.1902	100	787074	0.1823
1,1,1-Trichloroethane	50.0	764736	0.3739	100	1591371	0.3687
1,1,2-Trichloro-1,2,2-Trifluoroethane	50.0	465578	0.2277	100	960203	0.2224
1,1,2-Trichloroethane	50.0	272616	0.1773	100	563263	0.1750
1,2,4-Trichlorobenzene	50.0	584263	0.6815	100	1188355	0.6634
1,2-Dibromo-3-Chloropropane	50.0	50171	0.05850	100	111612	0.06230
1,2-Dibromoethane	50.0	265115	0.1724	100	568186	0.1766
1,2-Dichlorobenzene	50.0	869786	1.015	100	1772153	0.9893
1,2-Dichloroethane	50.0	571283	0.2794	100	1172667	0.2717
1,3-Dichlorobenzene	50.0	989215	1.154	100	1993540	1.113
1,4-Dichlorobenzene	50.0	996671	1.163	100	2001490	1.117
2-Butanone	50.0	88285	0.04320	100	195431	0.04530
2-Hexanone	50.0	143029	0.09300	100	317216	0.09860
4-Methyl-2-Pentanone	50.0	80489	0.03940	100	177017	0.04100
Acetone	50.0	56534	0.02760	100	142432	0.03300
Benzene	50.0	1614888	0.7897	100	3320788	0.7693
Bromodichloromethane	50.0	556240	0.2720	100	1162260	0.2693
Bromomethane	50.0	283192	0.1385	100	653074	0.1513
Carbon Disulfide	50.0	1158222	0.5664	100	2432963	0.5636
Carbon Tetrachloride	50.0	690208	0.3375	100	1427627	0.3307
Chloroethane	50.0	305765	0.1495	100	644106	0.1492
Cyclohexane	50.0	736972	0.3604	100	1545053	0.3579
Dibromochloromethane	50.0	349839	0.2275	100	747619	0.2323
Dichlorodifluoromethane	50.0	636483	0.3112	100	1306483	0.3027
Isopropylbenzene	50.0	1982677	1.289	100	4056177	1.261
Methyl Tert Butyl Ether	50.0	804030	0.3932	100	1727351	0.4002
Methylene Chloride	50.0	394728	0.1930	100	825190	0.1912
Styrene	50.0	1336389	0.8690	100	2694391	0.8373
Tetrachloroethene	50.0	353063	0.2296	100	715234	0.2223
Trichloroethene	50.0	433262	0.2119	100	902121	0.2090
Trichlorofluoromethane	50.0	846217	0.4138	100	1753676	0.4063
cis-1,2-Dichloroethene	50.0	631240	0.3087	100	1491467	0.3455

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INITIAL CALIBRATION

Login Number: L0510264 **Instrument ID:** HPMS8

Analytical Method: 8260B **Initial Calibration Date:** 13-SEP-05

Analyte	WG196546-10		
	CONC	RESP	RF
1,1-Dichloroethene	200	2988519	0.3269
1,2-Dichloropropane	200	1661852	0.1818
Chloroform	200	3302410	0.3612
Ethylbenzene	200	2113489	0.3075
Toluene	200	7027319	1.022
Vinyl Chloride	200	1042270	0.1140
1,1,2,2-Tetrachloroethane	200	1184884	0.3192
1,1-Dichloroethane	200	3387281	0.3705
Bromoform	200	838299	0.1220
Chlorobenzene	200	3956546	0.5756
Chloromethane	200	1574545	0.1722
1,1,1-Trichloroethane	200	3149634	0.3445
1,1,2-Trichloro-1,2,2-Trifluoroethane	200	1976332	0.2162
1,1,2-Trichloroethane	200	1103279	0.1605
1,2,4-Trichlorobenzene	200	2234246	0.6018
1,2-Dibromo-3-Chloropropane	200	222793	0.06000
1,2-Dibromoethane	200	1127244	0.1640
1,2-Dichlorobenzene	200	3402941	0.9166
1,2-Dichloroethane	200	2281822	0.2496
1,3-Dichlorobenzene	200	3856528	1.039
1,4-Dichlorobenzene	200	3826276	1.031
2-Butanone	200	384234	0.04200
2-Hexanone	200	611436	0.08900
4-Methyl-2-Pentanone	200	342502	0.03750
Acetone	200	263567	0.02880
Benzene	200	6536401	0.7149
Bromodichloromethane	200	2330162	0.2548
Bromomethane	200	1440615	0.1576
Carbon Disulfide	200	5095753	0.5573
Carbon Tetrachloride	200	2855621	0.3123
Chloroethane	200	1336965	0.1462
Cyclohexane	200	3136721	0.3431
Dibromochloromethane	200	1486504	0.2163
Dichlorodifluoromethane	200	2670984	0.2921
Isopropylbenzene	200	7911609	1.151
Methyl Tert Butyl Ether	200	3416862	0.3737
Methylene Chloride	200	1687508	0.1846
Styrene	200	5134814	0.7470
Tetrachloroethene	200	1390774	0.2023
Trichloroethene	200	1787566	0.1955
Trichlorofluoromethane	200	3621850	0.3961
cis-1,2-Dichloroethene	200	3016071	0.3299

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INITIAL CALIBRATION

Login Number: L0510264 Instrument ID: HPMS8

Analytical Method: 8260B Initial Calibration Date: 13-SEP-05

Analyte	WG196546-02			WG196546-03		
	CONC	RESP	RF	CONC	RESP	RF
cis-1,3-Dichloropropene	NA	NA	NA	0.400	2744	0.1794
m-,p-Xylene	NA	NA	NA	0.800	6692	0.3025
o-Xylene	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	NA	NA	NA	NA	NA	NA

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KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 Instrument ID: HPMS8

Analytical Method: 8260B Initial Calibration Date: 13-SEP-05

Analyte	WG196546-04			WG196546-05		
	CONC	RESP	RF	CONC	RESP	RF
cis-1,3-Dichloropropene	1.00	9147	0.2323	2.00	18904	0.2371
m-,p-Xylene	2.00	24166	0.4210	4.00	55160	0.4749
o-Xylene	1.00	9706	0.3382	2.00	22933	0.3948
trans-1,2-Dichloroethene	1.00	9664	0.2454	2.00	22610	0.2835
trans-1,3-Dichloropropene	1.00	7820	0.2725	2.00	16791	0.2891

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 Instrument ID: HPMS8

Analytical Method: 8260B Initial Calibration Date: 13-SEP-05

Analyte	WG196546-06			WG196546-07		
	CONC	RESP	RF	CONC	RESP	RF
cis-1,3-Dichloropropene	5.00	57168	0.2810	20.0	236506	0.3082
m-,p-Xylene	10.0	156876	0.5230	40.0	618051	0.5412
o-Xylene	5.00	70062	0.4671	20.0	295724	0.5179
trans-1,2-Dichloroethene	5.00	62529	0.3074	20.0	245244	0.3196
trans-1,3-Dichloropropene	5.00	50644	0.3377	20.0	212776	0.3726

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 Instrument ID: HPMS8

Analytical Method: 8260B Initial Calibration Date: 13-SEP-05

Analyte	WG196546-08			WG196546-09		
	CONC	RESP	RF	CONC	RESP	RF
cis-1,3-Dichloropropene	50.0	641211	0.3135	100	1341728	0.3108
m-,p-Xylene	100	1586446	0.5158	200	3070275	0.4771
o-Xylene	50.0	784556	0.5102	100	1584851	0.4925
trans-1,2-Dichloroethene	50.0	649667	0.3177	100	1347248	0.3121
trans-1,3-Dichloropropene	50.0	567605	0.3691	100	1183528	0.3678

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KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 Instrument ID: HPMS8

Analytical Method: 8260B Initial Calibration Date: 13-SEP-05

Analyte	WG196546-10		
	CONC	RESP	RF
cis-1,3-Dichloropropene	200	2658864	0.2908
m-,p-Xylene	400	5399853	0.3928
o-Xylene	200	3008300	0.4377
trans-1,2-Dichloroethene	200	2733477	0.2990
trans-1,3-Dichloropropene	200	2309063	0.3359

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KEMRON Environmental Services

ALTERNATE SOURCE CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/17/2005 Sample ID: WG198725-11
Instrument ID: HPMS11 Run Time: 15:16 Method: 8260B
File ID: 11M29673 Analyst: CMS
ICal Workgroup: WG198725 Cal ID: HPMS11 - 17-OCT-05

Analyte		Expected	Found	RF	%D	UNITS	Q
Chloroform	CCC	20	22.0	0.703	9.9	ug/kg	
1,1-Dichloroethene	CCC	20	22.0	0.357	10	ug/kg	
1,2-Dichloropropane	CCC	20	21.7	0.424	8.5	ug/kg	
Ethylbenzene	CCC	20	22.7	0.776	13.6	ug/kg	
Toluene	CCC	20	22.0	1.95	9.9	ug/kg	
Vinyl Chloride	CCC	20	17.2	0.352	13.8	ug/kg	
Bromoform	SPCC	20	18.8	0.262	6.2	ug/kg	
Chlorobenzene	SPCC	20	21.5	1.34	7.6	ug/kg	
Chloromethane	SPCC	20	17.9	0.516	10.7	ug/kg	
1,1-Dichloroethane	SPCC	20	22.0	0.832	10.2	ug/kg	
1,1,2,2-Tetrachloroethane	SPCC	20	20.2	0.935	.8	ug/kg	
Acetone		20	20.1	0.171	.5	ug/kg	
Benzene		20	22.3	1.51	11.4	ug/kg	
Bromodichloromethane		20	21.9	0.487	9.6	ug/kg	
Bromomethane		20	20.2	0.225	1	ug/kg	
2-Butanone		20	17.0	0.176	14.9	ug/kg	
Carbon Disulfide		20	20.5	1.16	2.7	ug/kg	
Carbon Tetrachloride		20	21.7	0.568	8.6	ug/kg	
Dibromochloromethane		20	21.6	0.436	7.9	ug/kg	
Chloroethane		20	22.5	0.336	12.4	ug/kg	
Cyclohexane		20	22.7	0.845	13.7	ug/kg	
1,2-Dibromo-3-Chloropropane		20	20.1	0.192	.5	ug/kg	
1,2-Dibromoethane		20	21.6	0.414	8	ug/kg	
1,2-Dichlorobenzene		20	21.6	1.92	8	ug/kg	
1,3-Dichlorobenzene		20	21.7	2.06	8.6	ug/kg	
1,4-Dichlorobenzene		20	21.7	2.09	8.7	ug/kg	
Dichlorodifluoromethane		20	19.0	0.521	5.1	ug/kg	
1,2-Dichloroethane		20	21.6	0.649	7.9	ug/kg	
cis-1,2-Dichloroethene		20	22.1	0.395	10.5	ug/kg	
trans-1,2-Dichloroethene		20	21.8	0.381	9.1	ug/kg	
cis-1,3-Dichloropropene		20	22.4	0.593	12	ug/kg	
trans-1,3-Dichloropropene		20	22.1	0.700	10.5	ug/kg	
2-Hexanone		20	24.0	0.394	20	ug/kg	
Isopropylbenzene		20	21.7	2.18	8.3	ug/kg	
4-Methyl-2-Pentanone		20	19.1	0.144	4.6	ug/kg	
Methylene Chloride		20	21.8	0.390	8.9	ug/kg	
Styrene		20	22.6	1.47	13.1	ug/kg	
Tetrachloroethene		20	22.0	0.431	10	ug/kg	
1,2,4-Trichlorobenzene		20	21.5	1.33	7.6	ug/kg	
1,1,2-Trichloro-1,2,2-Trifluoroethane		20	21.1	0.411	5.6	ug/kg	
1,1,1-Trichloroethane		20	23.2	0.665	15.9	ug/kg	
1,1,2-Trichloroethane		20	21.2	0.365	5.9	ug/kg	

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KEMRON Environmental Services

ALTERNATE SOURCE CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/17/2005 Sample ID: WG198725-11
Instrument ID: HPMS11 Run Time: 15:16 Method: 8260B
File ID: 11M29673 Analyst: CMS
ICal Workgroup: WG198725 Cal ID: HPMS11 - 17-OCT-05

Analyte		Expected	Found	RF	%D	UNITS	Q
Trichloroethene		20	21.9	0.413	9.5	ug/kg	
Trichlorofluoromethane		20	21.8	0.758	8.8	ug/kg	
o-Xylene		20	22.5	1.78	12.7	ug/kg	
m-,p-Xylene		40	46.3	0.932	15.8	ug/kg	
Methyl Tert Butyl Ether		20	22.2	1.02	11	ug/kg	

* Exceeds %D Limit

CCC Calibration Check Compounds
SPCC System Performance Check Compounds

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KEMRON Environmental Services

ALTERNATE SOURCE CALIBRATION REPORT

Login Number: L0510264 Run Date: 09/13/2005 Sample ID: WG196546-11
Instrument ID: HPMS8 Run Time: 16:05 Method: 8260B
File ID: 8M322497 Analyst: CMS
ICal Workgroup: WG196546 Cal ID: HPMS8 - 13-SEP-05

Analyte		Expected	Found	RF	%D	UNITS	Q
Chloroform	CCC	20	22.4	0.405	12.1	ug/L	
1,1-Dichloroethene	CCC	20	22.4	0.350	12.1	ug/L	
1,2-Dichloropropane	CCC	20	22.8	0.211	14.2	ug/L	
Ethylbenzene	CCC	20	23.6	0.447	18.1	ug/L	
Toluene	CCC	20	22.8	1.23	13.8	ug/L	
Vinyl Chloride	CCC	20	23.1	0.160	15.6	ug/L	
Bromoform	SPCC	20	18.6	0.122	7.2	ug/L	
Chlorobenzene	SPCC	20	22.3	0.798	11.5	ug/L	
Chloromethane	SPCC	20	19.3	0.199	3.3	ug/L	
1,1-Dichloroethane	SPCC	20	22.3	0.400	11.5	ug/L	
1,1,2,2-Tetrachloroethane	SPCC	20	22.4	0.358	12	ug/L	
Acetone		20	16.7	0.0263	16.7	ug/L	
Benzene		20	23.4	0.845	16.9	ug/L	
Bromodichloromethane		20	23.4	0.289	16.9	ug/L	
Bromomethane		20	22.2	0.160	10.9	ug/L	
2-Butanone		20	17.5	0.0359	12.3	ug/L	
Carbon Disulfide		20	21.1	0.577	5.7	ug/L	
Carbon Tetrachloride		20	22.3	0.348	11.5	ug/L	
Dibromochloromethane		20	20.0	0.233	.2	ug/L	
Chloroethane		20	21.6	0.159	8.2	ug/L	
Cyclohexane		20	NA	0	NA	ug/L	
1,2-Dibromo-3-Chloropropane		20	20.4	0.0601	2.2	ug/L	
1,2-Dibromoethane		20	22.7	0.181	13.7	ug/L	
1,2-Dichlorobenzene		20	22.9	1.07	14.3	ug/L	
1,3-Dichlorobenzene		20	22.6	1.20	13	ug/L	
1,4-Dichlorobenzene		20	21.8	1.22	9.2	ug/L	
Dichlorodifluoromethane		20	20.0	0.309	.2	ug/L	
1,2-Dichloroethane		20	22.0	0.295	10	ug/L	
cis-1,2-Dichloroethene		20	21.0	0.326	5	ug/L	
trans-1,2-Dichloroethene		20	21.9	0.326	9.4	ug/L	
cis-1,3-Dichloropropene		20	20.5	0.324	2.4	ug/L	
trans-1,3-Dichloropropene		20	20.9	0.349	4.3	ug/L	
2-Hexanone		20	19.1	0.0823	4.5	ug/L	
Isopropylbenzene		20	19.0	1.24	5.2	ug/L	
4-Methyl-2-Pentanone		20	18.9	0.0354	5.5	ug/L	
Methylene Chloride		20	21.5	0.204	7.4	ug/L	
Styrene		20	20.2	0.893	1.2	ug/L	
Tetrachloroethene		20	22.8	0.244	13.9	ug/L	
1,2,4-Trichlorobenzene		20	23.8	0.738	19.1	ug/L	
1,1,2-Trichloro-1,2,2-Trifluoroethane		20	NA	0	NA	ug/L	
1,1,1-Trichloroethane		20	22.4	0.392	12.2	ug/L	
1,1,2-Trichloroethane		20	22.5	0.191	12.4	ug/L	

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ALTERNATE SOURCE CALIBRATION REPORT

Login Number: L0510264 Run Date: 09/13/2005 Sample ID: WG196546-11
Instrument ID: HPMS8 Run Time: 16:05 Method: 8260B
File ID: 8M322497 Analyst: CMS
ICal Workgroup: WG196546 Cal ID: HPMS8 - 13-SEP-05

Analyte		Expected	Found	RF	%D	UNITS	Q
Trichloroethene		20	22.8	0.229	13.9	ug/L	
Trichlorofluoromethane		20	20.9	0.423	4.5	ug/L	
o-Xylene		20	23.9	0.539	19.4	ug/L	
m-,p-Xylene		40	41.3	0.556	3.3	ug/L	
Methyl Tert Butyl Ether		20	21.9	0.397	9.3	ug/L	

* Exceeds %D Limit

CCC Calibration Check Compounds
SPCC System Performance Check Compounds

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KEMRON Environmental Services

CONTINUING CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/14/2005 Sample ID: WG198626-02
Instrument ID: HPMS8 Run Time: 07:59 Method: 8260B
File ID: 8M323070 Analyst: CMS
Workgroup (AAB#): WG198627 Cal ID: HPMS8 - 13-SEP-05

Analyte		Expected	Found	RF	%D	UNITS	Q
Chloroform	CCC	50	54.4	0.393	8.8	ug/L	
1,1-Dichloroethene	CCC	50	46.2	0.288	7.7	ug/L	
1,2-Dichloropropane	CCC	50	55.7	0.206	11.5	ug/L	
Ethylbenzene	CCC	50	57.0	0.431	14	ug/L	
Toluene	CCC	50	53.8	1.16	7.7	ug/L	
Vinyl Chloride	CCC	50	59.2	0.156	18.3	ug/L	
Bromoform	SPCC	50	54.0	0.144	8.1	ug/L	
Chlorobenzene	SPCC	50	55.3	0.791	10.5	ug/L	
Chloromethane	SPCC	50	52.3	0.215	4.5	ug/L	
1,1-Dichloroethane	SPCC	50	51.9	0.373	3.9	ug/L	
1,1,2,2-Tetrachloroethane	SPCC	50	60.0	0.383	19.9	ug/L	
Acetone		50	62.6	0.0395	25.3	ug/L	
Benzene		50	52.2	0.754	4.3	ug/L	
Bromodichloromethane		50	58.2	0.287	16.4	ug/L	
Bromomethane		50	39.8	0.115	20.3	ug/L	
2-Butanone		50	62.2	0.0510	24.4	ug/L	
Carbon Disulfide		50	61.0	0.667	22.1	ug/L	
Carbon Tetrachloride		50	52.4	0.327	4.8	ug/L	
Dibromochloromethane		50	51.8	0.243	3.6	ug/L	
Chloroethane		50	54.1	0.159	8.3	ug/L	
Cyclohexane		50	61.2	0.400	22.4	ug/L	
1,2-Dibromo-3-Chloropropane		50	57.6	0.0691	15.2	ug/L	
1,2-Dibromoethane		50	56.6	0.180	13.2	ug/L	
1,2-Dichlorobenzene		50	57.5	1.07	15	ug/L	
1,3-Dichlorobenzene		50	57.2	1.21	14.5	ug/L	
1,4-Dichlorobenzene		50	54.6	1.22	9.3	ug/L	
Dichlorodifluoromethane		50	53.5	0.332	7	ug/L	
1,2-Dichloroethane		50	55.9	0.299	11.7	ug/L	
cis-1,2-Dichloroethene		50	56.2	0.348	12.4	ug/L	
trans-1,2-Dichloroethene		50	49.6	0.296	.7	ug/L	
cis-1,3-Dichloropropene		50	52.1	0.330	4.2	ug/L	
trans-1,3-Dichloropropene		50	59.6	0.399	19.2	ug/L	
2-Hexanone		50	64.9	0.112	29.8	ug/L	
Isopropylbenzene		50	52.3	1.36	4.6	ug/L	
4-Methyl-2-Pentanone		50	60.4	0.0453	20.7	ug/L	
Methylene Chloride		50	46.2	0.176	7.7	ug/L	
Styrene		50	52.5	0.915	4.9	ug/L	
Tetrachloroethene		50	51.4	0.220	2.7	ug/L	
1,2,4-Trichlorobenzene		50	54.5	0.676	8.9	ug/L	
1,1,2-Trichloro-1,2,2-Trifluoroethane		50	53.3	0.236	6.5	ug/L	
1,1,1-Trichloroethane		50	51.0	0.357	2	ug/L	
1,1,2-Trichloroethane		50	55.7	0.190	11.5	ug/L	

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KEMRON Environmental Services

CONTINUING CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/14/2005 Sample ID: WG198626-02
Instrument ID: HPMS8 Run Time: 07:59 Method: 8260B
File ID: 8M323070 Analyst: CMS
Workgroup (AAB#): WG198627 Cal ID: HPMS8 - 13-SEP-05

Analyte		Expected	Found	RF	%D	UNITS	Q
Trichloroethene		50	51.1	0.205	2.1	ug/L	
Trichlorofluoromethane		50	55.0	0.445	9.9	ug/L	
o-Xylene		50	58.9	0.531	17.8	ug/L	
m-,p-Xylene		100	105	0.542	5.2	ug/L	
Methyl Tert Butyl Ether		50	58.8	0.426	17.6	ug/L	

* Exceeds %D Limit

CCC Calibration Check Compounds
SPCC System Performance Check Compounds

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KEMRON Environmental Services

CONTINUING CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/17/2005 Sample ID: WG198806-02
Instrument ID: HPMS11 Run Time: 17:04 Method: 8260B
File ID: 11M29677 Analyst: CMS
Workgroup (AAB#): WG198807 Cal ID: HPMS11 - 17-OCT-05

Analyte		Expected	Found	RF	%D	UNITS	Q
Chloroform	CCC	50	54.4	0.696	8.8	ug/kg	
1,1-Dichloroethene	CCC	50	58.0	0.376	15.9	ug/kg	
1,2-Dichloropropane	CCC	50	54.5	0.426	9.1	ug/kg	
Ethylbenzene	CCC	50	55.4	0.757	10.9	ug/kg	
Toluene	CCC	50	54.6	1.94	9.1	ug/kg	
Vinyl Chloride	CCC	50	46.1	0.377	7.8	ug/kg	
Bromoform	SPCC	50	51.9	0.314	3.9	ug/kg	
Chlorobenzene	SPCC	50	54.1	1.35	8.2	ug/kg	
Chloromethane	SPCC	50	47.4	0.548	5.1	ug/kg	
1,1-Dichloroethane	SPCC	50	56.2	0.849	12.4	ug/kg	
1,1,2,2-Tetrachloroethane	SPCC	50	55.5	1.03	10.9	ug/kg	
Acetone		50	57.5	0.195	14.9	ug/kg	
Benzene		50	55.2	1.50	10.4	ug/kg	
Bromodichloromethane		50	55.5	0.494	11.1	ug/kg	
Bromomethane		50	54.9	0.262	9.9	ug/kg	
2-Butanone		50	62.7	0.260	25.3	ug/kg	
Carbon Disulfide		50	54.1	1.23	8.2	ug/kg	
Carbon Tetrachloride		50	53.0	0.576	5.9	ug/kg	
Dibromochloromethane		50	56.5	0.457	13.1	ug/kg	
Chloroethane		50	59.4	0.355	18.7	ug/kg	
Cyclohexane		50	58.6	0.871	17.1	ug/kg	
1,2-Dibromo-3-Chloropropane		50	61.4	0.234	22.8	ug/kg	
1,2-Dibromoethane		50	56.3	0.432	12.7	ug/kg	
1,2-Dichlorobenzene		50	53.6	1.91	7.2	ug/kg	
1,3-Dichlorobenzene		50	53.9	2.04	7.8	ug/kg	
1,4-Dichlorobenzene		50	54.2	2.08	8.3	ug/kg	
Dichlorodifluoromethane		50	58.8	0.645	17.5	ug/kg	
1,2-Dichloroethane		50	54.8	0.659	9.6	ug/kg	
cis-1,2-Dichloroethene		50	55.2	0.394	10.4	ug/kg	
trans-1,2-Dichloroethene		50	55.9	0.391	11.9	ug/kg	
cis-1,3-Dichloropropene		50	57.4	0.608	14.8	ug/kg	
trans-1,3-Dichloropropene		50	58.8	0.745	17.5	ug/kg	
2-Hexanone		50	69.7	0.458	39.4	ug/kg	
Isopropylbenzene		50	56.8	2.29	13.5	ug/kg	
4-Methyl-2-Pentanone		50	58.6	0.196	17.1	ug/kg	
Methylene Chloride		50	54.6	0.391	9.2	ug/kg	
Styrene		50	57.7	1.50	15.4	ug/kg	
Tetrachloroethene		50	56.1	0.439	12.1	ug/kg	
1,2,4-Trichlorobenzene		50	55.1	1.36	10.3	ug/kg	
1,1,2-Trichloro-1,2,2-Trifluoroethane		50	57.7	0.449	15.4	ug/kg	
1,1,1-Trichloroethane		50	56.9	0.653	13.8	ug/kg	
1,1,2-Trichloroethane		50	54.9	0.378	9.8	ug/kg	

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KEMRON Environmental Services

CONTINUING CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/17/2005 Sample ID: WG198806-02
Instrument ID: HPMS11 Run Time: 17:04 Method: 8260B
File ID: 11M29677 Analyst: CMS
Workgroup (AAB#): WG198807 Cal ID: HPMS11 - 17-OCT-05

Analyte		Expected	Found	RF	%D	UNITS	Q
Trichloroethene		50	54.7	0.413	9.4	ug/kg	
Trichlorofluoromethane		50	59.7	0.832	19.5	ug/kg	
o-Xylene		50	56.1	1.77	12.3	ug/kg	
m-,p-Xylene		100	115	0.925	15	ug/kg	
Methyl Tert Butyl Ether		50	56.4	1.03	12.9	ug/kg	

* Exceeds %D Limit

CCC Calibration Check Compounds
SPCC System Performance Check Compounds

KEMRON FORMS - Modified 03/21/2005
Version 1.3 PDF File ID: 339287
Report generated 10/20/2005 08:50

KEMRON Environmental Services

CONTINUING CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/18/2005 Sample ID: WG198871-02
Instrument ID: HPMS11 Run Time: 12:53 Method: 8260B
File ID: 11M29708 Analyst: CMS
Workgroup (AAB#): WG198872 Cal ID: HPMS11 - 17-OCT-05

Analyte		Expected	Found	RF	%D	UNITS	Q
Chloroform	CCC	50	55.1	0.704	10.1	ug/kg	
1,1-Dichloroethene	CCC	50	53.8	0.349	7.7	ug/kg	
1,2-Dichloropropane	CCC	50	53.6	0.419	7.1	ug/kg	
Ethylbenzene	CCC	50	53.3	0.727	6.5	ug/kg	
Toluene	CCC	50	54.0	1.92	8	ug/kg	
Vinyl Chloride	CCC	50	43.7	0.358	12.5	ug/kg	
Bromoform	SPCC	50	50.3	0.303	.5	ug/kg	
Chlorobenzene	SPCC	50	52.3	1.30	4.7	ug/kg	
Chloromethane	SPCC	50	42.8	0.494	14.5	ug/kg	
1,1-Dichloroethane	SPCC	50	54.6	0.825	9.2	ug/kg	
1,1,2,2-Tetrachloroethane	SPCC	50	50.3	0.934	.7	ug/kg	
Acetone		50	51.2	0.174	2.4	ug/kg	
Benzene		50	53.8	1.46	7.6	ug/kg	
Bromodichloromethane		50	54.7	0.486	9.3	ug/kg	
Bromomethane		50	63.2	0.304	26.4	ug/kg	
2-Butanone		50	51.9	0.215	3.7	ug/kg	
Carbon Disulfide		50	49.9	1.13	.1	ug/kg	
Carbon Tetrachloride		50	42.5	0.459	14.9	ug/kg	
Dibromochloromethane		50	54.4	0.440	8.7	ug/kg	
Chloroethane		50	54.4	0.325	8.8	ug/kg	
Cyclohexane		50	53.2	0.791	6.4	ug/kg	
1,2-Dibromo-3-Chloropropane		50	53.0	0.202	6	ug/kg	
1,2-Dibromoethane		50	54.2	0.416	8.4	ug/kg	
1,2-Dichlorobenzene		50	52.5	1.87	5	ug/kg	
1,3-Dichlorobenzene		50	52.3	1.98	4.6	ug/kg	
1,4-Dichlorobenzene		50	53.3	2.05	6.6	ug/kg	
Dichlorodifluoromethane		50	50.7	0.556	1.3	ug/kg	
1,2-Dichloroethane		50	53.6	0.644	7.2	ug/kg	
cis-1,2-Dichloroethene		50	54.9	0.392	9.8	ug/kg	
trans-1,2-Dichloroethene		50	53.0	0.370	6	ug/kg	
cis-1,3-Dichloropropene		50	57.0	0.604	14	ug/kg	
trans-1,3-Dichloropropene		50	57.9	0.733	15.8	ug/kg	
2-Hexanone		50	53.9	0.354	7.8	ug/kg	
Isopropylbenzene		50	54.9	2.21	9.8	ug/kg	
4-Methyl-2-Pentanone		50	50.9	0.169	1.8	ug/kg	
Methylene Chloride		50	52.8	0.378	5.5	ug/kg	
Styrene		50	55.6	1.45	11.2	ug/kg	
Tetrachloroethene		50	54.0	0.423	7.9	ug/kg	
1,2,4-Trichlorobenzene		50	52.9	1.30	5.7	ug/kg	
1,1,2-Trichloro-1,2,2-Trifluoroethane		50	51.5	0.401	2.9	ug/kg	
1,1,1-Trichloroethane		50	54.9	0.630	9.8	ug/kg	
1,1,2-Trichloroethane		50	52.3	0.360	4.7	ug/kg	

KEMRON FORMS - Modified 03/21/2005
Version 1.3 PDF File ID: 339287
Report generated 10/20/2005 08:50

KEMRON Environmental Services

CONTINUING CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/18/2005 Sample ID: WG198871-02
Instrument ID: HPMS11 Run Time: 12:53 Method: 8260B
File ID: 11M29708 Analyst: CMS
Workgroup (AAB#): WG198872 Cal ID: HPMS11 - 17-OCT-05

Analyte		Expected	Found	RF	%D	UNITS	Q
Trichloroethene		50	55.0	0.415	10	ug/kg	
Trichlorofluoromethane		50	55.4	0.772	10.9	ug/kg	
o-Xylene		50	54.7	1.73	9.5	ug/kg	
m-,p-Xylene		100	113	0.908	12.8	ug/kg	
Methyl Tert Butyl Ether		50	51.8	0.947	3.6	ug/kg	

* Exceeds %D Limit

CCC Calibration Check Compounds
SPCC System Performance Check Compounds

KEMRON FORMS - Modified 03/21/2005
Version 1.3 PDF File ID: 339287
Report generated 10/20/2005 08:50

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD AREA SUMMARY
(COMPARED TO CCV)

Login Number: L0510264
Instrument ID: HPMS8
Workgroup (AAB#): WG198627

CCV Number: WG198626-02
CAL ID: HPMS8-13-SEP-05
Matrix: WATER

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3
WG198626-02	NA	NA	427377	757374	990631
Upper Limit	NA	NA	854754	1514748	1981262
Lower Limit	NA	NA	213689	378687	495316
L0510264-05	1.00	01	325472	634844	863740
WG198627-01	1.00	01	340458	659464	895194
WG198627-02	1.00	01	398852	712949	933346
WG198627-03	1.00	01	398996	728468	956856

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Chlorobenzene-d5
IS-3 - Fluorobenzene

Underline = Response outside limits

KEMRON FORMS - Modified 06/28/2004
Version 1.3 PDF File ID: 338794
Report generated 10/20/2005 08:50

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD AREA SUMMARY
(COMPARED TO CCV)

Login Number: L0510264
Instrument ID: HPMS11
Workgroup (AAB#): WG198807

CCV Number: WG198806-02
CAL ID: HPMS11-17-OCT-05
Matrix: SOLID

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3
WG198806-02	NA	NA	344775	637524	815511
Upper Limit	NA	NA	689550	1275048	1631022
Lower Limit	NA	NA	172388	318762	407756
L0510264-01	1.00	01	190383	455389	642580
L0510264-02	1.00	01	211756	473331	649486
L0510264-03	1.00	01	254674	488743	631720
L0510264-04	1.00	01	89710	306508	526775
WG198807-01	1.00	01	314409	589947	754843
WG198807-02	1.00	01	314009	581988	735370

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Chlorobenzene-d5
IS-3 - Fluorobenzene

Underline = Response outside limits

KEMRON FORMS - Modified 06/28/2004
Version 1.3 PDF File ID: 338794
Report generated 10/20/2005 08:50

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD AREA SUMMARY
(COMPARED TO CCV)

Login Number: L0510264
Instrument ID: HPMS11
Workgroup (AAB#): WG198872

CCV Number: WG198871-02
CAL ID: HPMS11-17-OCT-05
Matrix: SOLID

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3
WG198871-02	NA	NA	326633	608080	775383
Upper Limit	NA	NA	653266	1216160	1550766
Lower Limit	NA	NA	163317	304040	387692
L0510264-04	1.00	A1	107169	334724	564897
WG198872-01	1.00	01	284771	532037	680004
WG198872-02	1.00	01	286834	533808	661142
WG198872-03	1.00	01	293341	542298	679892

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Chlorobenzene-d5
IS-3 - Fluorobenzene

Underline = Response outside limits

KEMRON FORMS - Modified 06/28/2004
Version 1.3 PDF File ID: 338794
Report generated 10/20/2005 08:50

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD RETENTION TIME SUMMARY
(COMPARED TO CCV)

Login Number: L0510264
Instrument ID: HPMS8
Workgroup (AAB#): WG198627

CCV Number: WG198626-02
CAL ID: HPMS8-13-SEP-05
Matrix: WATER

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3
WG198626-02	NA	NA	18.3	15.27	11.39
Upper Limit	NA	NA	18.8	15.77	11.89
Lower Limit	NA	NA	17.8	14.77	10.89
L0510264-05	1.00	01	18.3	15.27	11.39
WG198627-01	1.00	01	18.3	15.27	11.39
WG198627-02	1.00	01	18.3	15.28	11.4
WG198627-03	1.00	01	18.3	15.27	11.39

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Chlorobenzene-d5
IS-3 - Fluorobenzene

Underline = Response outside limits

KEMRON FORMS - Modified 09/14/2004
Version 1.3 PDF File ID: 339289
Report generated 10/20/2005 08:50

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD RETENTION TIME SUMMARY
(COMPARED TO CCV)

Login Number: L0510264
Instrument ID: HPMS11
Workgroup (AAB#): WG198807

CCV Number: WG198806-02
CAL ID: HPMS11-17-OCT-05
Matrix: SOLID

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3
WG198806-02	NA	NA	17	14.19	10.55
Upper Limit	NA	NA	17.5	14.69	11.05
Lower Limit	NA	NA	16.5	13.69	10.05
L0510264-01	1.00	01	17.003	14.193	10.555
L0510264-02	1.00	01	17.003	14.193	10.555
L0510264-03	1.00	01	17.003	14.192	10.554
L0510264-04	1.00	01	16.997	14.193	10.555
WG198807-01	1.00	01	17.003	14.193	10.555
WG198807-02	1.00	01	17.003	14.192	10.554

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Chlorobenzene-d5
IS-3 - Fluorobenzene

Underline = Response outside limits

KEMRON FORMS - Modified 09/14/2004
Version 1.3 PDF File ID: 339289
Report generated 10/20/2005 08:50

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD RETENTION TIME SUMMARY
(COMPARED TO CCV)

Login Number: L0510264
Instrument ID: HPMS11
Workgroup (AAB#): WG198872

CCV Number: WG198871-02
CAL ID: HPMS11-17-OCT-05
Matrix: SOLID

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3
WG198871-02	NA	NA	17	14.19	10.56
Upper Limit	NA	NA	17.5	14.69	11.06
Lower Limit	NA	NA	16.5	13.69	10.06
L0510264-04	1.00	A1	17.003	14.193	10.555
WG198872-01	1.00	01	17.003	14.193	10.555
WG198872-02	1.00	01	17.003	14.192	10.554
WG198872-03	1.00	01	17.003	14.193	10.555

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Chlorobenzene-d5
IS-3 - Fluorobenzene

Underline = Response outside limits

KEMRON FORMS - Modified 09/14/2004
Version 1.3 PDF File ID: 339289
Report generated 10/20/2005 08:50

2.1.1.2 Sample Data

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\101705\11M29689.D Vial: 34
Acq On : 17 Oct 2005 23:31 Operator: CMS
Sample : L0510264-01 B 1.40X 826-SPE Inst : HPMS11
Misc : 7,1 (3.57g) Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 23:53:21 2005 Quant Results File: 8260BSL.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:43:13 2005
Response via : Initial Calibration
DataAcq Meth : 8260BSL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	10.555	96	642580	50.0000 ug/Kg	0.000
46) Chlorobenzene-d5	14.193	117	455389	50.0000 ug/Kg	0.000
66) 1,4-Dichlorobenzene-d4	17.003	152	190383	50.0000 ug/Kg	0.000

System Monitoring Compounds

29) Dibromofluoromethane	9.569	111	226670	51.5558502 ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.11%		
34) 1,2-Dichloroethane-d4	10.177	65	295300	50.2441163 ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.49%		
47) Toluene-d8	12.416	98	730219	56.3385406 ug/Kg	0.00
Spiked Amount 50.000	Range 81 - 117		Recovery = 112.68%		
68) p-Bromofluorobenzene	15.586	95	238724	56.9604171 ug/Kg	0.00
Spiked Amount 50.000	Range 74 - 121		Recovery = 113.92%		

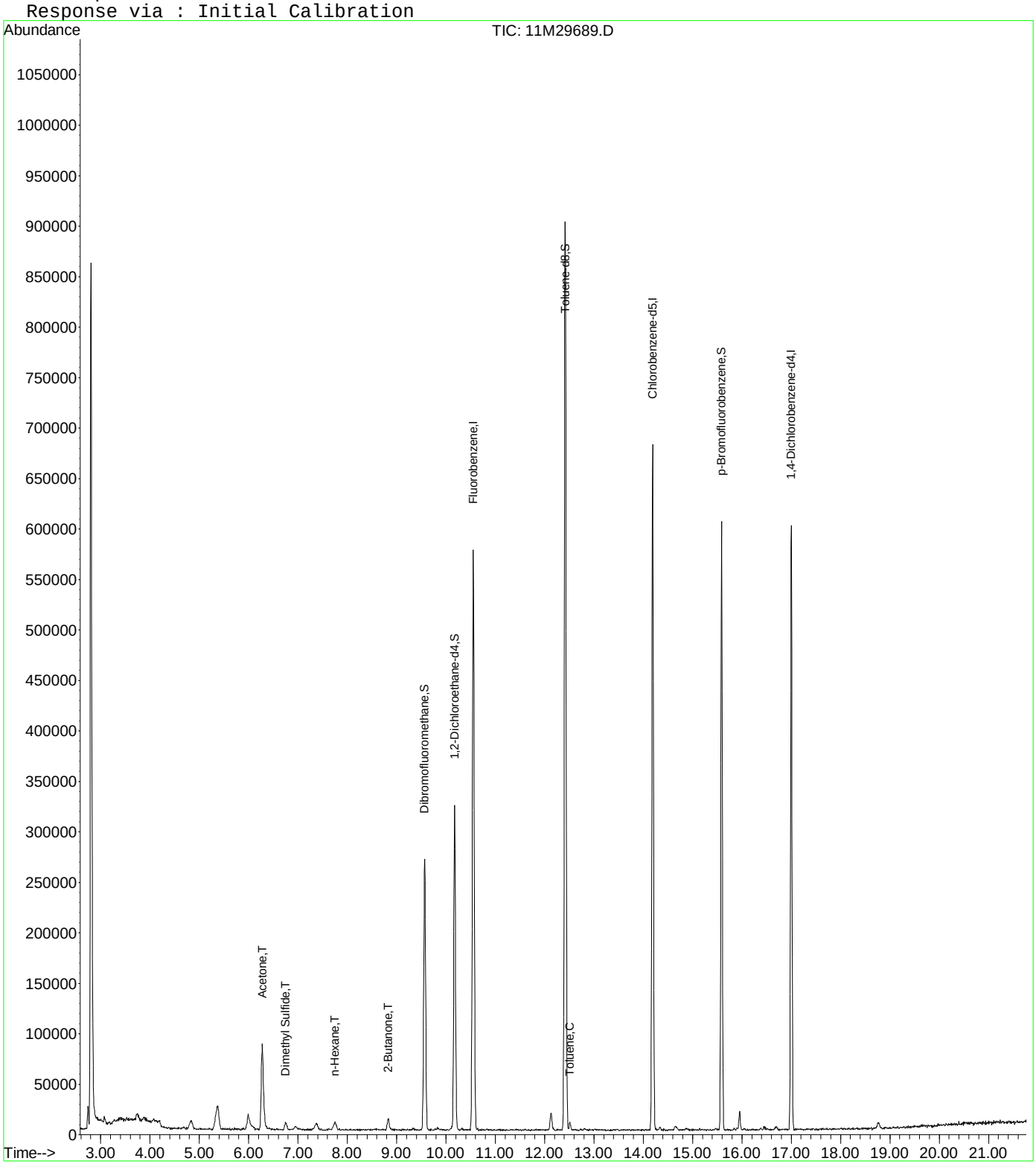
Target Compounds					Qvalue
11) Acetone	6.28	43	179378	82.2682 ug/Kg	91
13) Dimethyl Sulfide	6.75	62	5509	0.9358 ug/Kg	79
21) n-Hexane	7.76	57	5725	0.6601 ug/Kg#	72
24) 2-Butanone	8.83	43	21594	8.1058 ug/Kg#	78
48) Toluene	12.51	91	8586	0.5301 ug/Kg	98

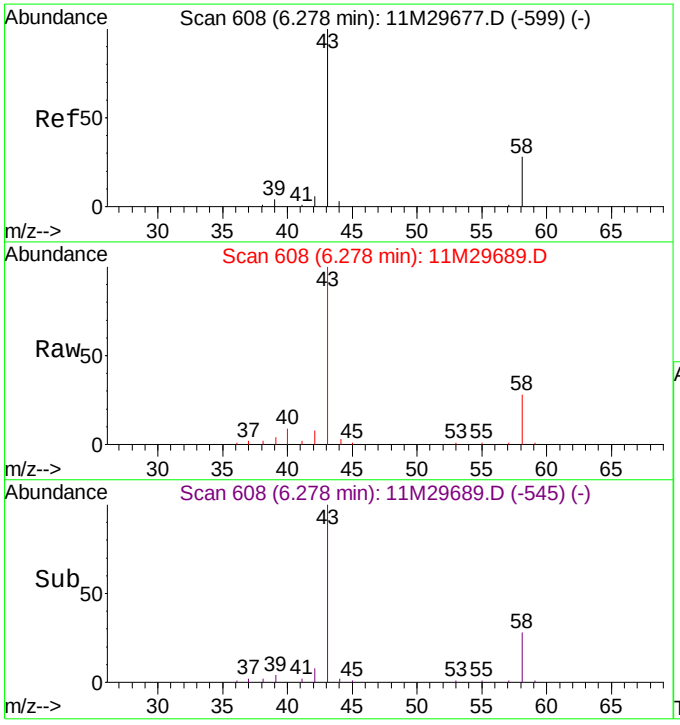
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\101705\11M29689.D Vial: 34
Acq On : 17 Oct 2005 23:31 Operator: CMS
Sample : L0510264-01 B 1.40X 826-SPE Inst : HPMS11
Misc : 7,1 (3.57g) Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 12:44 2005 Quant Results File: 8260BSL.RES

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:43:13 2005
Response via : Initial Calibration

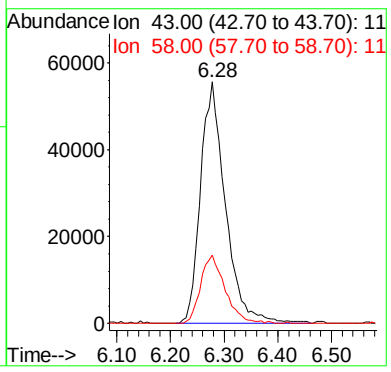


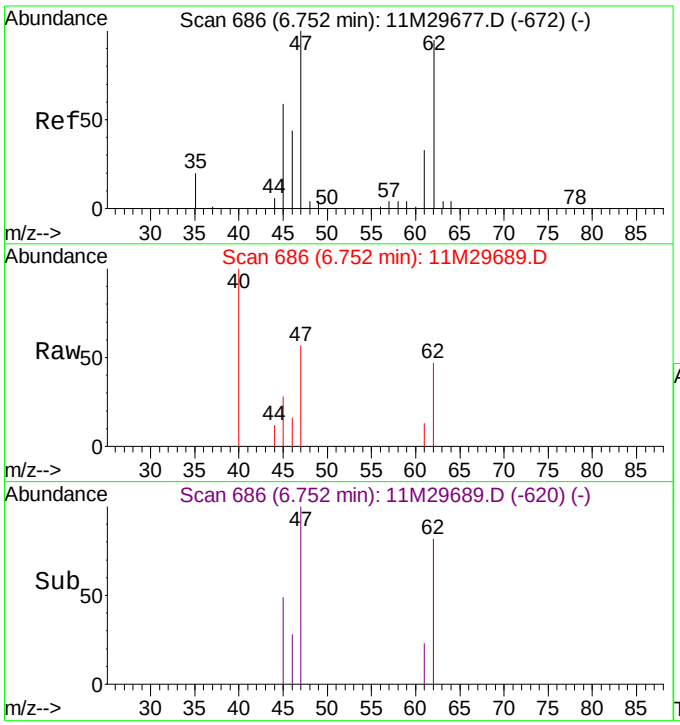


#11
Acetone
Concen: 82.2682 ug/Kg
RT: 6.28 min Scan# 608
Delta R.T. -0.02 min
Lab File: 11M29689.D
Acq: 17 Oct 2005 23:31

Tgt Ion: 43 Resp: 179378

Ion	Ratio	Lower	Upper
43	100		
58	27.6	19.5	45.5

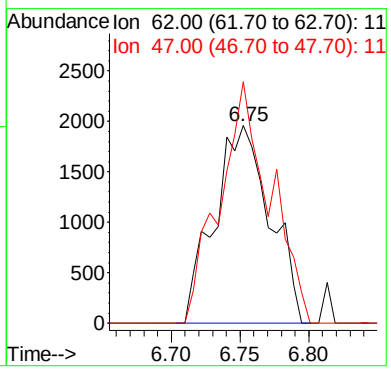


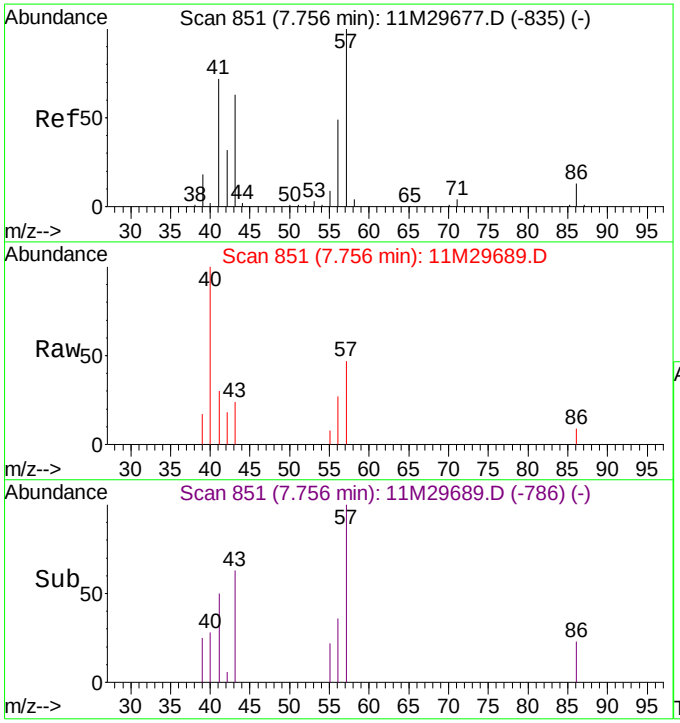


#13
Dimethyl Sulfide
Concen: 0.9358 ug/Kg
RT: 6.75 min Scan# 686
Delta R.T. -0.00 min
Lab File: 11M29689.D
Acq: 17 Oct 2005 23:31

Tgt Ion: 62 Resp: 5509

Ion	Ratio	Lower	Upper
62	100		
47	110.7	54.4	126.8

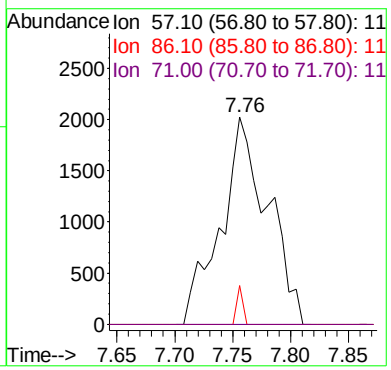


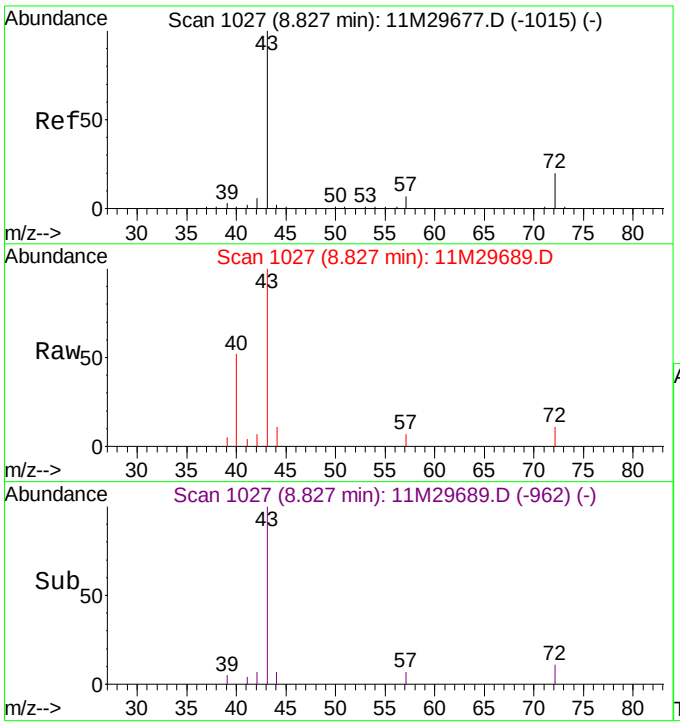


#21
n-Hexane
Concen: 0.6601 ug/Kg
RT: 7.76 min Scan# 851
Delta R.T. -0.01 min
Lab File: 11M29689.D
Acq: 17 Oct 2005 23:31

Tgt Ion: 57 Resp: 5725

Ion	Ratio	Lower	Upper
57	100		
86	2.4	9.4	22.0#
71	0.0	2.1	4.9#

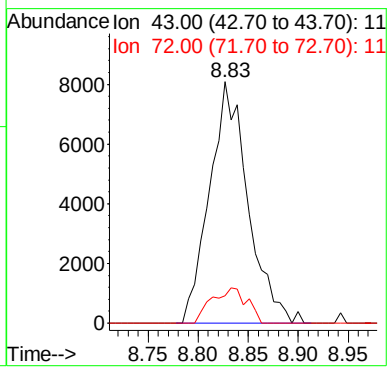


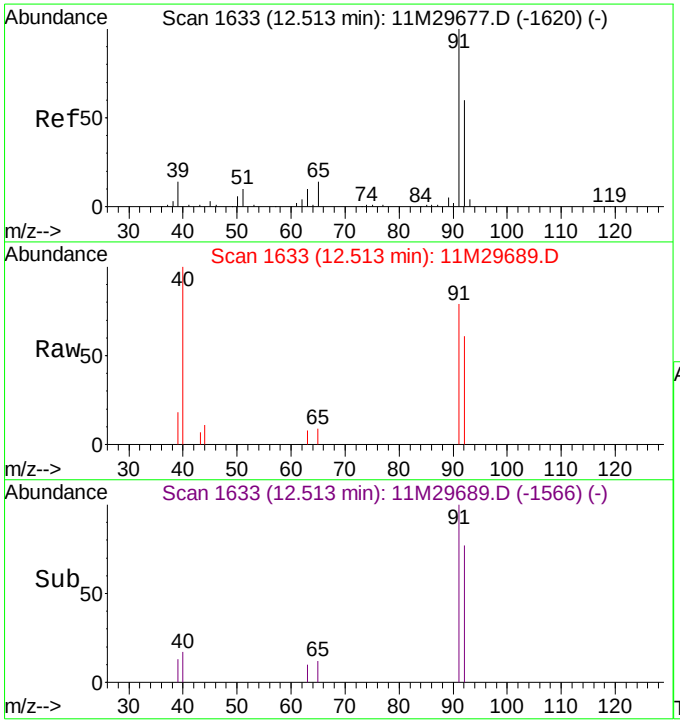


#24
2-Butanone
Concen: 8.1058 ug/Kg
RT: 8.83 min Scan# 1027
Delta R.T. -0.01 min
Lab File: 11M29689.D
Acq: 17 Oct 2005 23:31

Tgt Ion: 43 Resp: 21594

Ion	Ratio	Lower	Upper
43	100		
72	13.3	14.5	33.7#

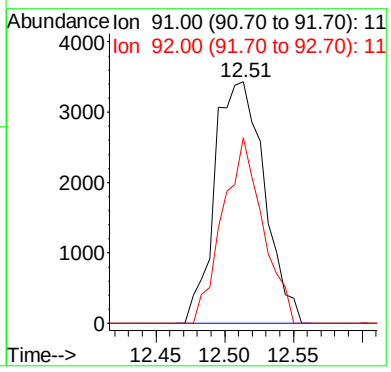




#48
Toluene
Concen: 0.5301 ug/Kg
RT: 12.51 min Scan# 1633
Delta R.T. 0.01 min
Lab File: 11M29689.D
Acq: 17 Oct 2005 23:31

Tgt Ion: 91 Resp: 8586

Ion	Ratio	Lower	Upper
91	100		
92	62.3	36.5	85.3



Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\101705\11M29690.D Vial: 35
Acq On : 18 Oct 2005 00:03 Operator: CMS
Sample : L0510264-02 A 1.07X 826-SPE Inst : HPMS11
Misc : 7,1 (4.68g) Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 00:25:35 2005 Quant Results File: 8260BSL.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:43:13 2005
Response via : Initial Calibration
DataAcq Meth : 8260BSL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	10.555	96	649486	50.0000 ug/Kg	0.000
46) Chlorobenzene-d5	14.193	117	473331	50.0000 ug/Kg	0.000
66) 1,4-Dichlorobenzene-d4	17.003	152	211756	50.0000 ug/Kg	0.000

System Monitoring Compounds

29) Dibromofluoromethane	9.569	111	222204	50.0026696 ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.01%		
34) 1,2-Dichloroethane-d4	10.171	65	286226	48.1823809 ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.36%		
47) Toluene-d8	12.416	98	739240	54.8725963 ug/Kg	0.00
Spiked Amount 50.000	Range 81 - 117		Recovery = 109.75%		
68) p-Bromofluorobenzene	15.586	95	261523	56.1021375 ug/Kg	0.00
Spiked Amount 50.000	Range 74 - 121		Recovery = 112.20%		

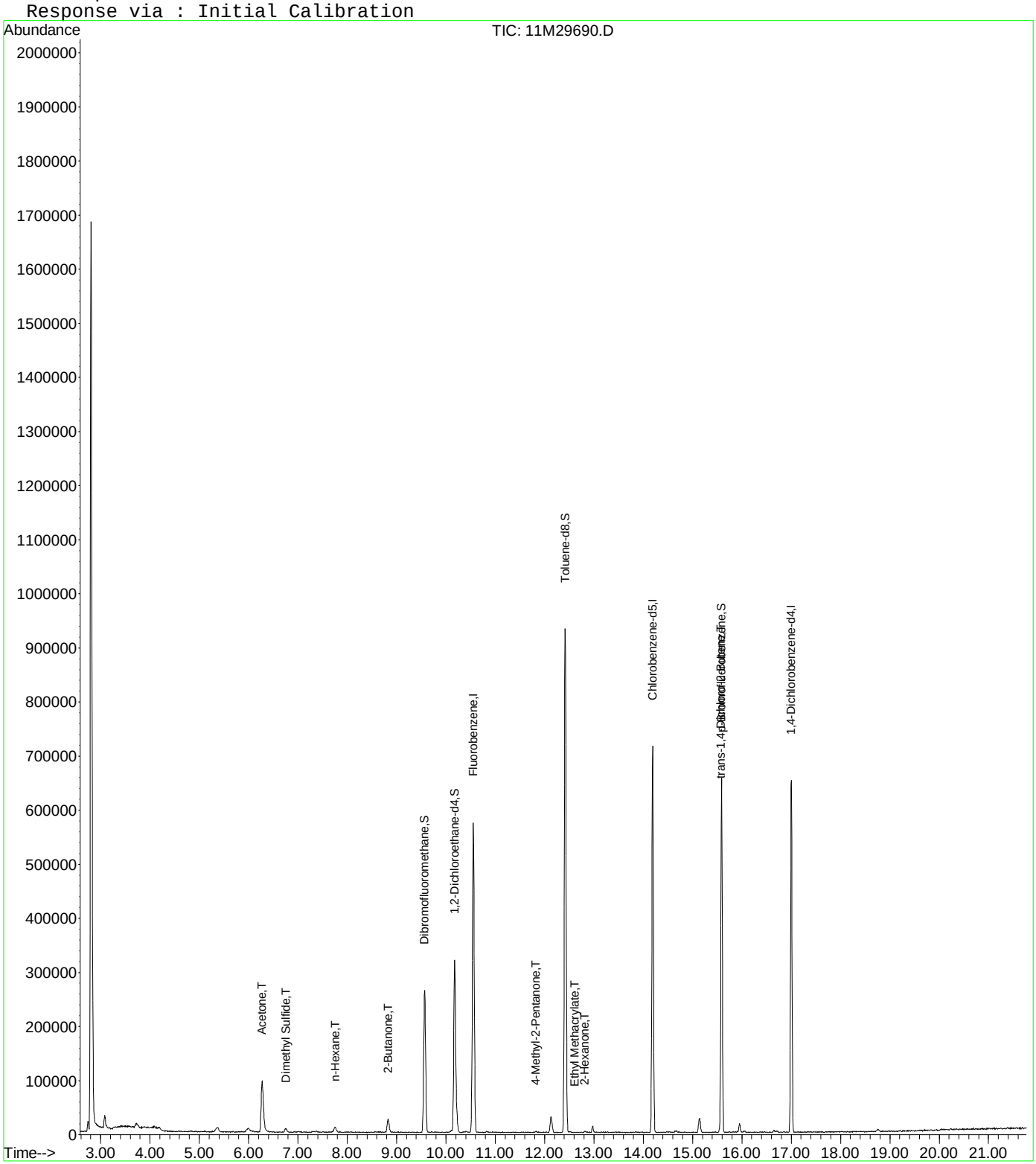
Target Compounds					Qvalue
11) Acetone	6.27	43	208875	94.7778 ug/Kg	91
13) Dimethyl Sulfide	6.76	62	5437	0.9137 ug/Kg	90
21) n-Hexane	7.76	57	7756	0.8848 ug/Kg#	75
24) 2-Butanone	8.83	43	48580	18.0418 ug/Kg	87
43) 4-Methyl-2-Pentanone	11.83	58	849	3.4029 ug/Kg#	40
49) Ethyl Methacrylate	12.60	69	146	2.0151 ug/Kg#	58
52) 2-Hexanone	12.82	43	1962	0.6314 ug/Kg#	63
70) trans-1,4-Dichloro-2-Buten	15.57	53	110	2.7981 ug/Kg#	1

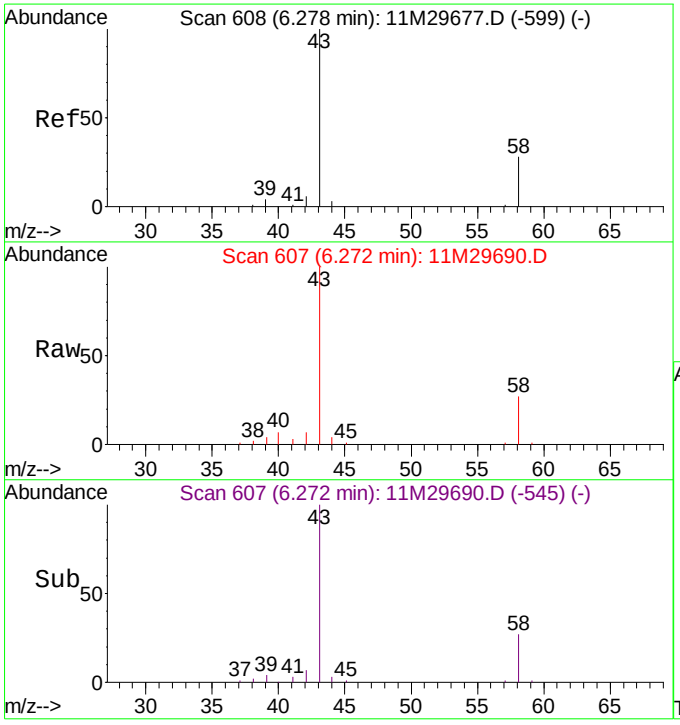
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\101705\11M29690.D Vial: 35
Acq On : 18 Oct 2005 00:03 Operator: CMS
Sample : L0510264-02 A 1.07X 826-SPE Inst : HPMS11
Misc : 7,1 (4.68g) Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 0:25 2005 Quant Results File: 8260BSL.RES

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:43:13 2005
Response via : Initial Calibration

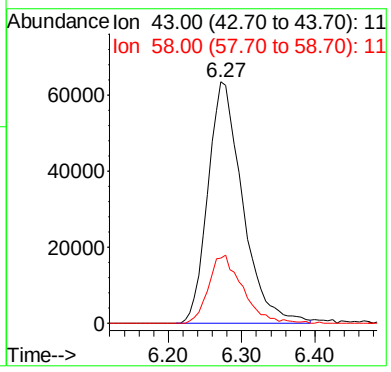


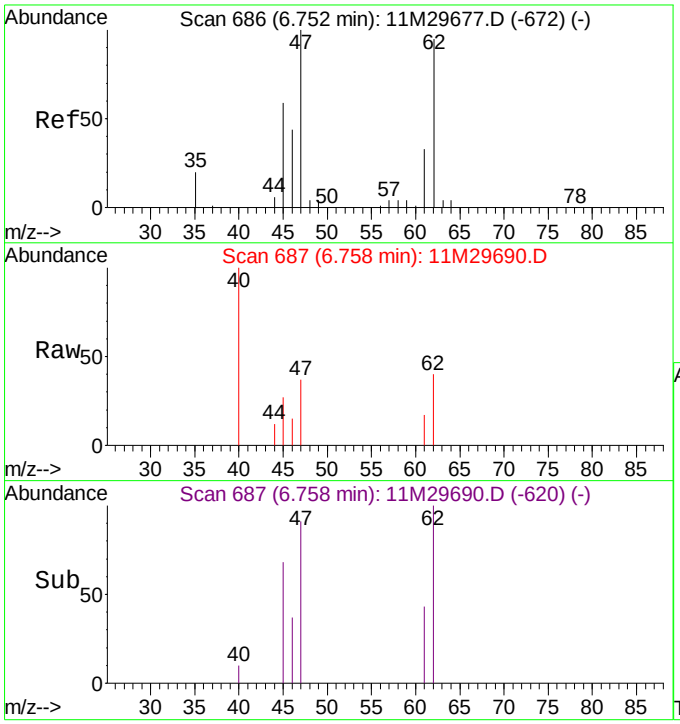


#11
Acetone
Concen: 94.7778 ug/Kg
RT: 6.27 min Scan# 607
Delta R.T. -0.02 min
Lab File: 11M29690.D
Acq: 18 Oct 2005 00:03

Tgt Ion: 43 Resp: 208875

Ion	Ratio	Lower	Upper
43	100		
58	27.7	19.5	45.5

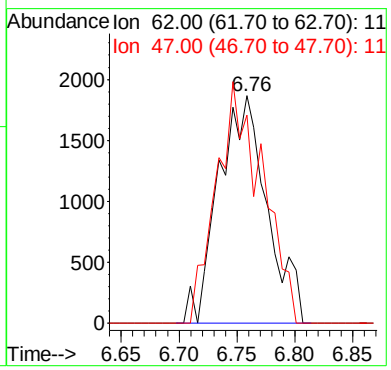


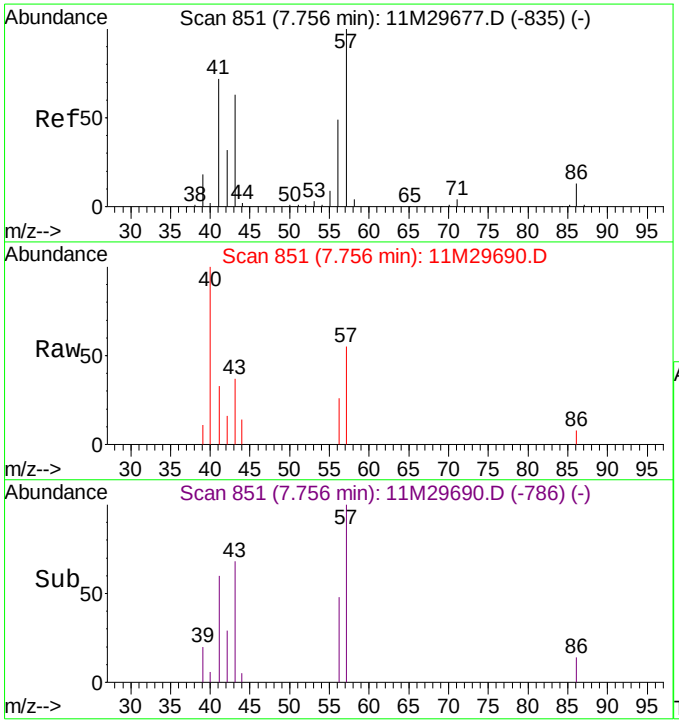


#13
Dimethyl Sulfide
Concen: 0.9137 ug/Kg
RT: 6.76 min Scan# 687
Delta R.T. 0.01 min
Lab File: 11M29690.D
Acq: 18 Oct 2005 00:03

Tgt Ion: 62 Resp: 5437

Ion	Ratio	Lower	Upper
62	100		
47	100.5	54.4	126.8

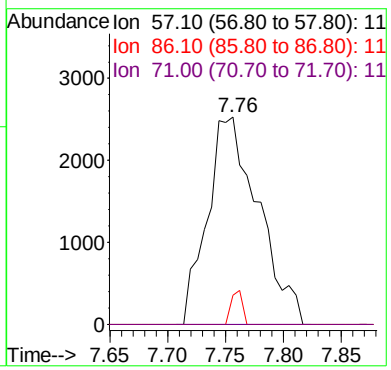


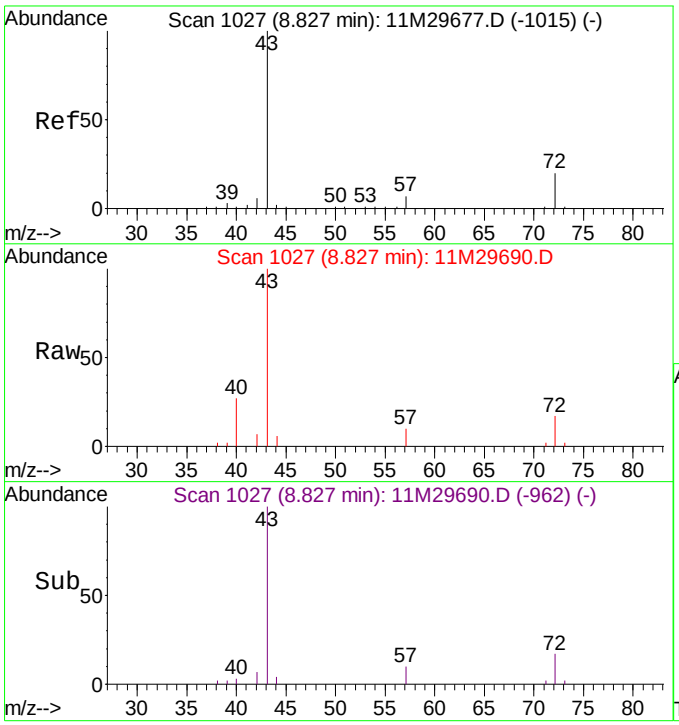


#21
n-Hexane
Concen: 0.8848 ug/Kg
RT: 7.76 min Scan# 851
Delta R.T. -0.01 min
Lab File: 11M29690.D
Acq: 18 Oct 2005 00:03

Tgt Ion: 57 Resp: 7756

Ion	Ratio	Lower	Upper
57	100		
86	3.6	9.4	22.0#
71	0.0	2.1	4.9#

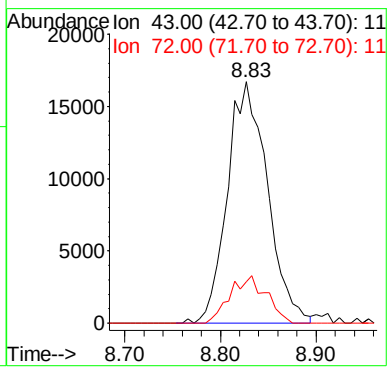


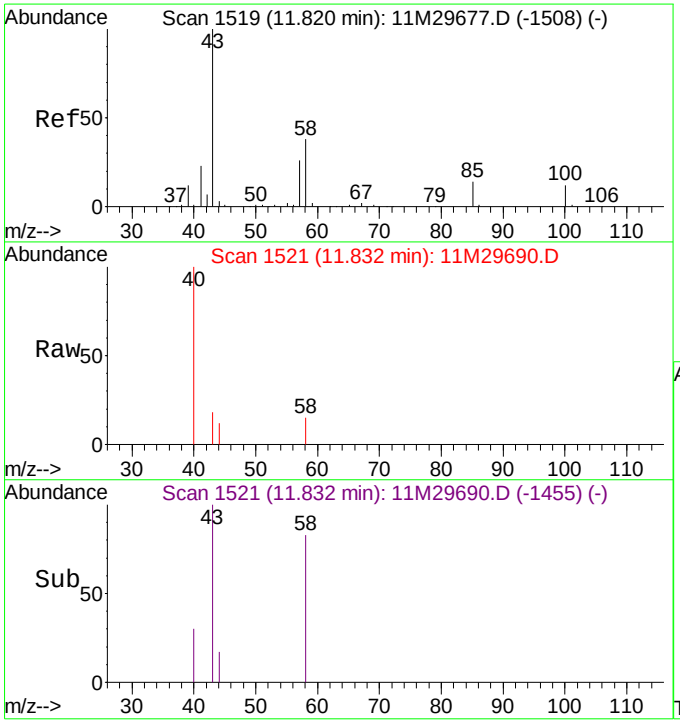


#24
2-Butanone
Concen: 18.0418 ug/Kg
RT: 8.83 min Scan# 1027
Delta R.T. -0.01 min
Lab File: 11M29690.D
Acq: 18 Oct 2005 00:03

Tgt Ion: 43 Resp: 48580

Ion	Ratio	Lower	Upper
43	100		
72	17.8	14.5	33.7

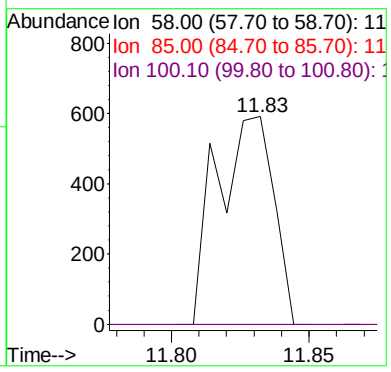


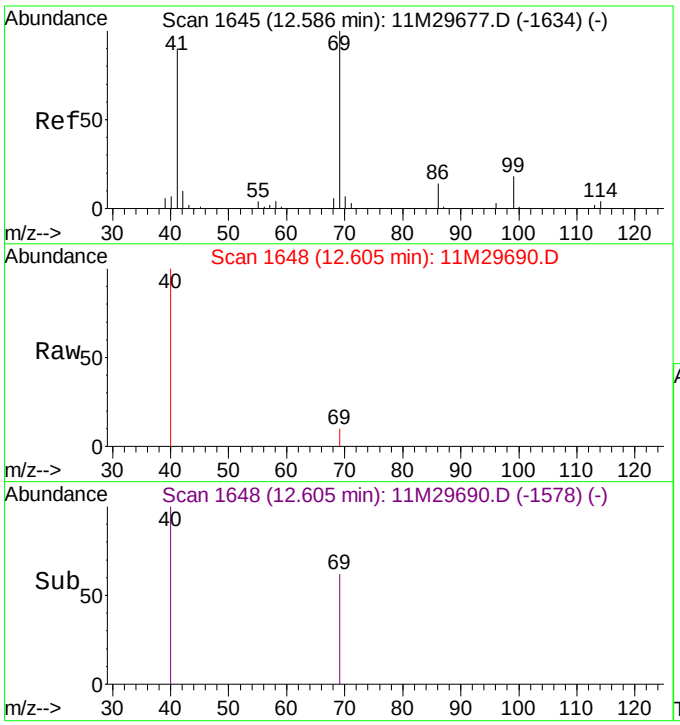


#43
4-Methyl-2-Pentanone
Concen: 3.4029 ug/Kg
RT: 11.83 min Scan# 1521
Delta R.T. 0.00 min
Lab File: 11M29690.D
Acq: 18 Oct 2005 00:03

Tgt Ion: 58 Resp: 849

Ion	Ratio	Lower	Upper
58	100		
85	0.0	23.6	55.0#
100	0.0	16.7	39.1#

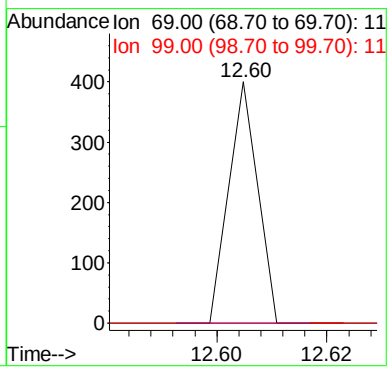


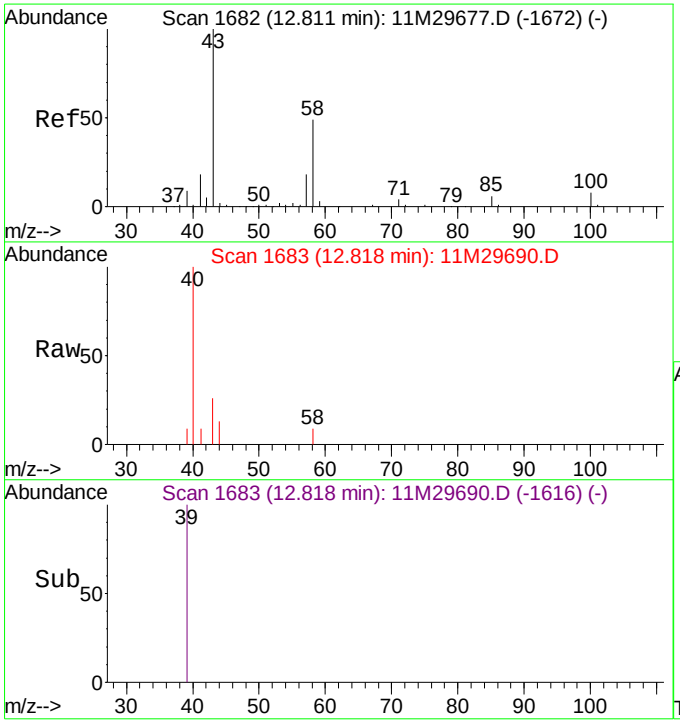


#49
Ethyl Methacrylate
Concen: 2.0151 ug/Kg
RT: 12.60 min Scan# 1648
Delta R.T. 0.02 min
Lab File: 11M29690.D
Acq: 18 Oct 2005 00:03

Tgt Ion: 69 Resp: 146

Ion	Ratio	Lower	Upper
69	100		
99	0.0	11.3	26.3#

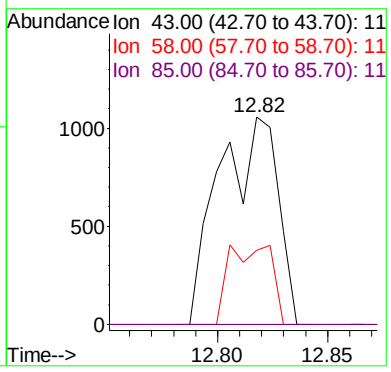


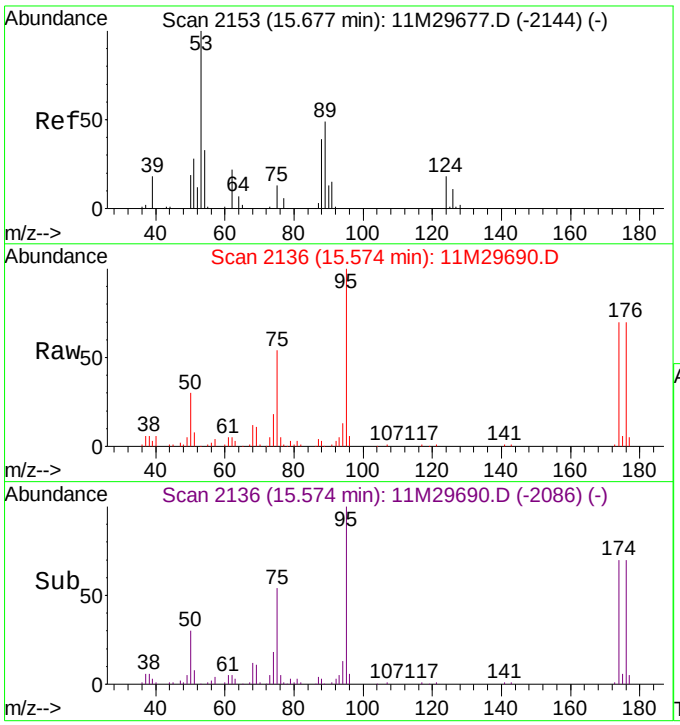


#52
2-Hexanone
Concen: 0.6314 ug/Kg
RT: 12.82 min Scan# 1683
Delta R.T. 0.01 min
Lab File: 11M29690.D
Acq: 18 Oct 2005 00:03

Tgt Ion: 43 Resp: 1962

Ion	Ratio	Lower	Upper
43	100		
58	27.9	34.2	79.8#
85	0.0	4.7	10.9#

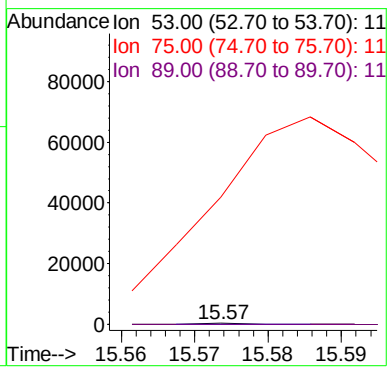




#70
trans-1,4-Dichloro-2-Butene
Concen: 2.7981 ug/Kg
RT: 15.57 min Scan# 2136
Delta R.T. -0.10 min
Lab File: 11M29690.D
Acq: 18 Oct 2005 00:03

Tgt Ion: 53 Resp: 110

Ion	Ratio	Lower	Upper
53	100		
75	124280.0	197.6	461.2#
89	0.0	40.3	93.9#



Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\101705\11M29691.D Vial: 36
Acq On : 18 Oct 2005 00:35 Operator: CMS
Sample : L0510264-03 A 1.61X 826-SPE Inst : HPMS11
Misc : 7,1 (3.10g) Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 00:57:44 2005 Quant Results File: 8260BSL.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:43:13 2005
Response via : Initial Calibration
DataAcq Meth : 8260BSL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	10.554	96	631720	50.0000 ug/Kg	0.000
46) Chlorobenzene-d5	14.192	117	488743	50.0000 ug/Kg	0.000
66) 1,4-Dichlorobenzene-d4	17.003	152	254674	50.0000 ug/Kg	0.000

System Monitoring Compounds					
29) Dibromofluoromethane	9.569	111	215173	49.7822201 ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.56%		
34) 1,2-Dichloroethane-d4	10.177	65	282219	48.8439290 ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.69%		
47) Toluene-d8	12.416	98	727521	52.2997946 ug/Kg	0.00
Spiked Amount 50.000	Range 81 - 117		Recovery = 104.60%		
68) p-Bromofluorobenzene	15.586	95	288388	51.4396280 ug/Kg	0.00
Spiked Amount 50.000	Range 74 - 121		Recovery = 102.88%		

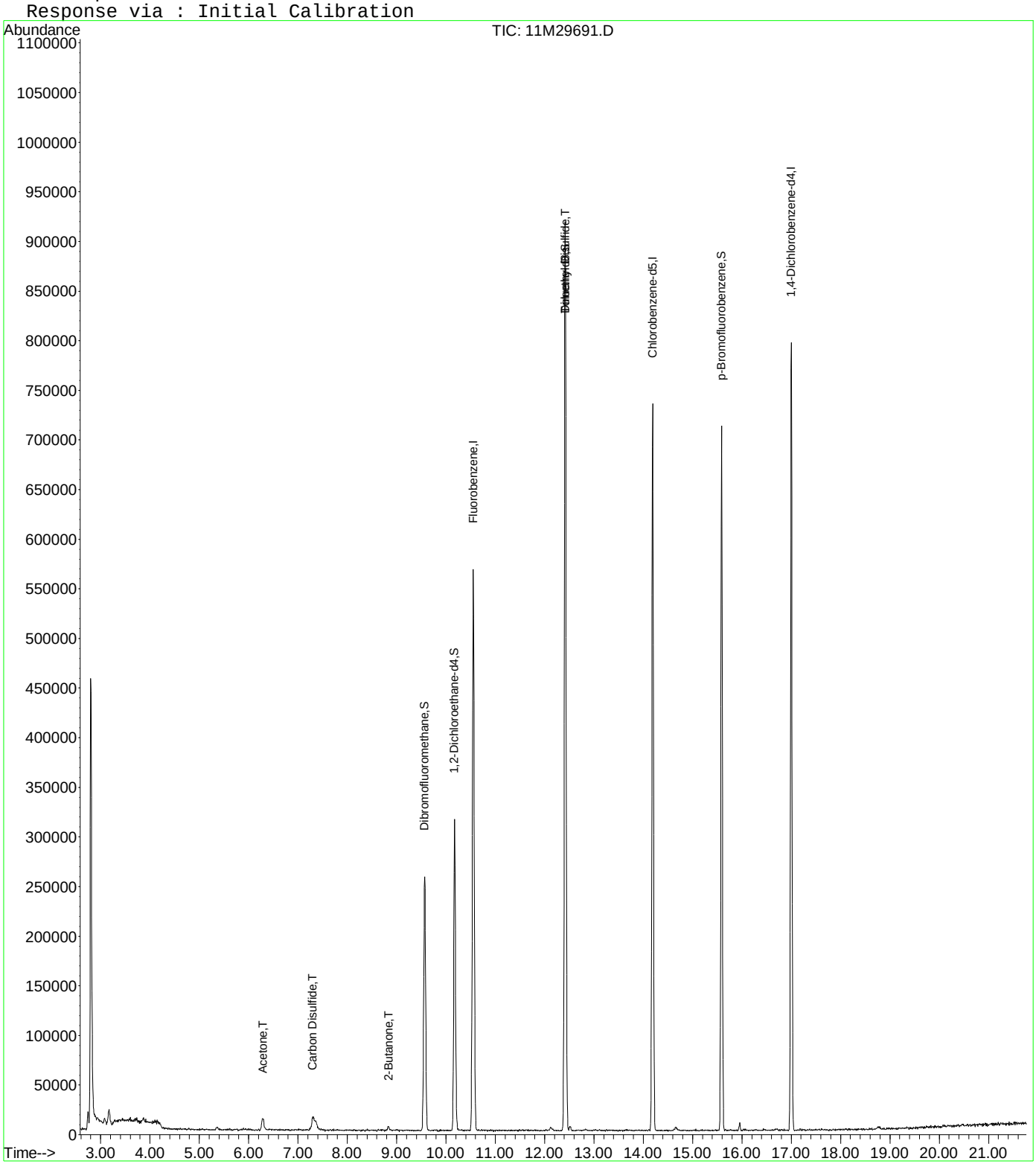
Target Compounds					Qvalue
11) Acetone	6.30	43	29799	13.9017 ug/Kg	90
17) Carbon Disulfide	7.29	76	28171	1.9654 ug/Kg	97
24) 2-Butanone	8.84	43	7668	2.9279 ug/Kg#	74
45) Dimethyl Disulfide	12.42	79	117	3.4073 ug/Kg#	1

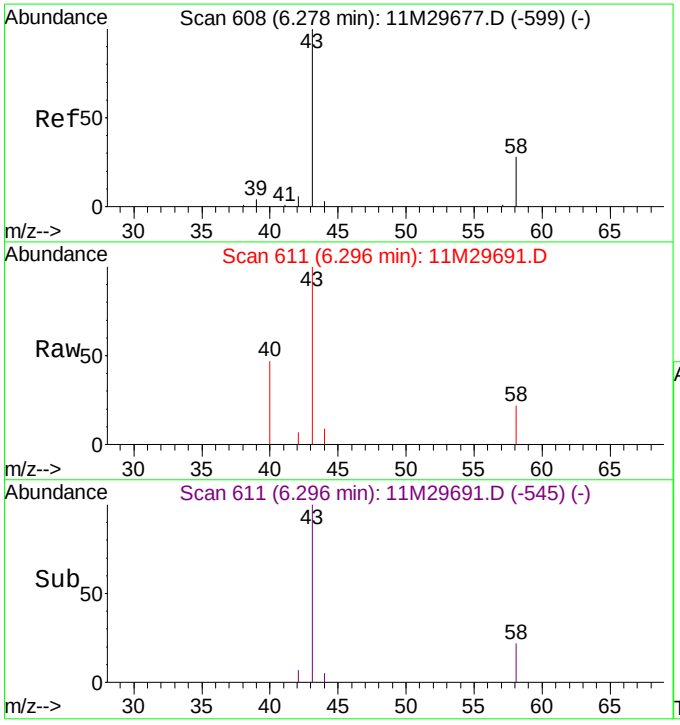
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\101705\11M29691.D Vial: 36
Acq On : 18 Oct 2005 00:35 Operator: CMS
Sample : L0510264-03 A 1.61X 826-SPE Inst : HPMS11
Misc : 7,1 (3.10g) Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 0:57 2005 Quant Results File: 8260BSL.RES

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:43:13 2005
Response via : Initial Calibration

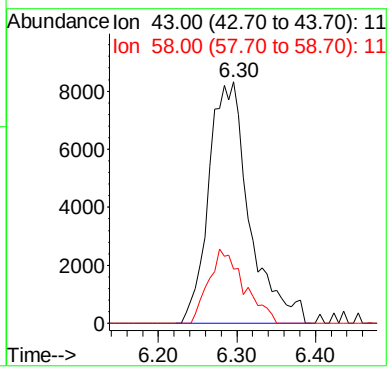


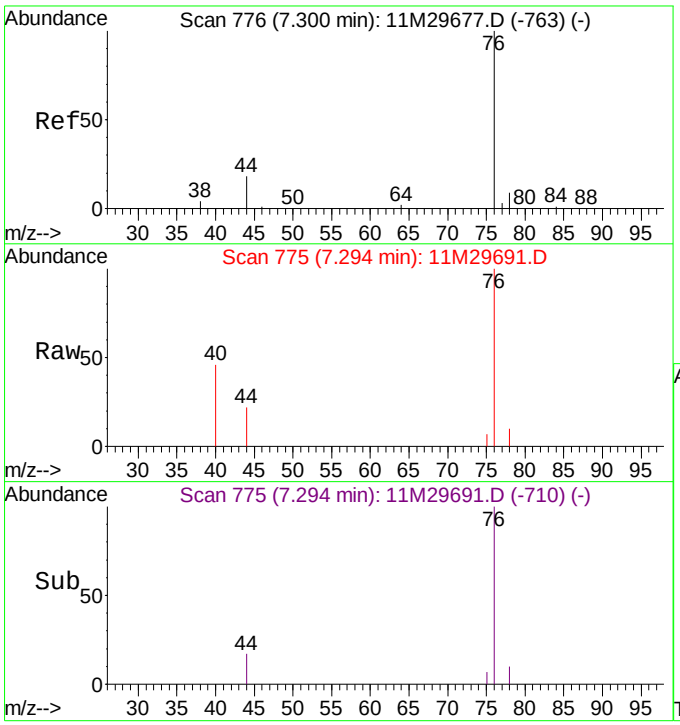


#11
Acetone
Concen: 13.9017 ug/Kg
RT: 6.30 min Scan# 611
Delta R.T. -0.00 min
Lab File: 11M29691.D
Acq: 18 Oct 2005 00:35

Tgt Ion: 43 Resp: 29799

Ion	Ratio	Lower	Upper
43	100		
58	26.8	19.5	45.5

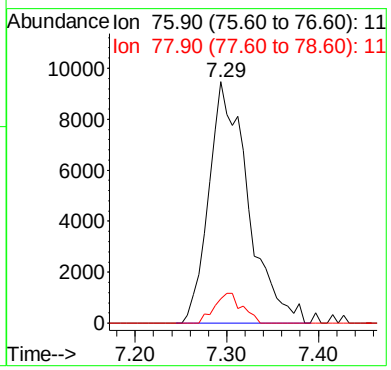


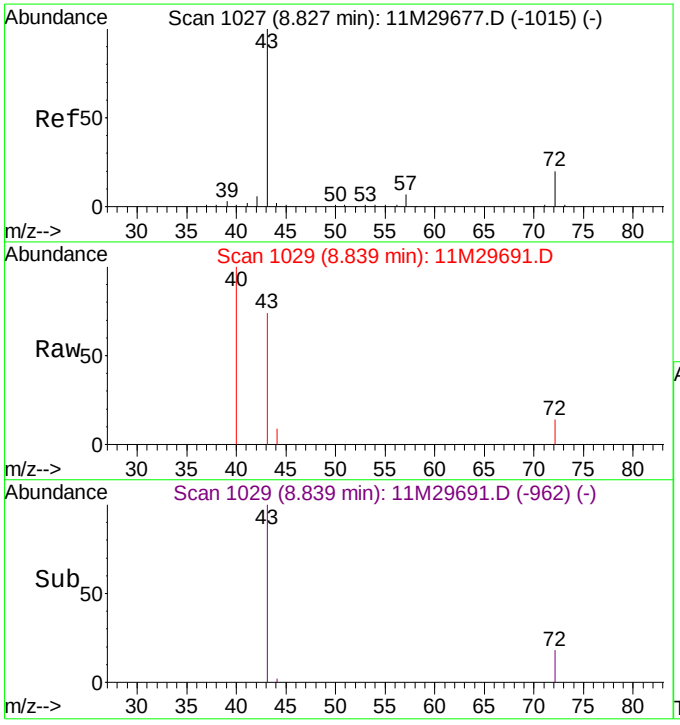


#17
Carbon Disulfide
Concen: 1.9654 ug/Kg
RT: 7.29 min Scan# 775
Delta R.T. -0.01 min
Lab File: 11M29691.D
Acq: 18 Oct 2005 00:35

Tgt Ion: 76 Resp: 28171

Ion	Ratio	Lower	Upper
76	100		
78	8.6	5.9	13.9

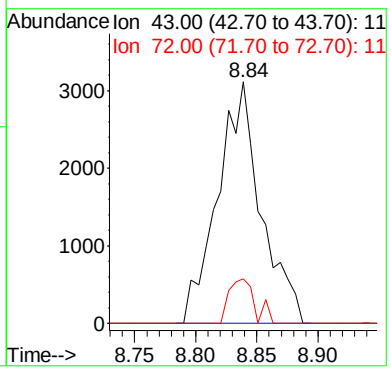


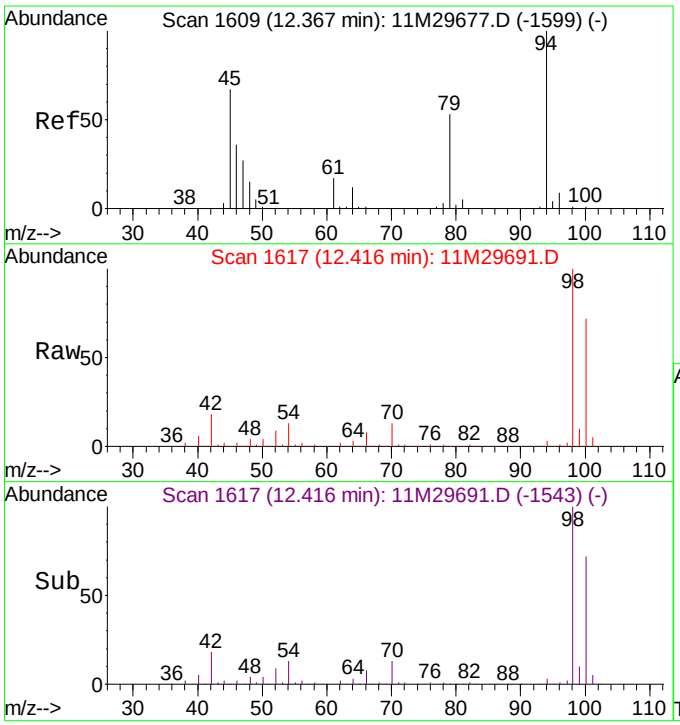


#24
2-Butanone
Concen: 2.9279 ug/Kg
RT: 8.84 min Scan# 1029
Delta R.T. 0.01 min
Lab File: 11M29691.D
Acq: 18 Oct 2005 00:35

Tgt Ion: 43 Resp: 7668

Ion	Ratio	Lower	Upper
43	100		
72	11.0	14.5	33.7#

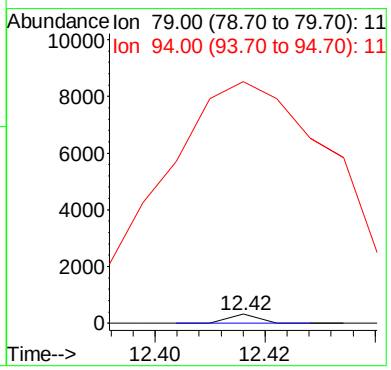




#45
Dimethyl Disulfide
Concen: 3.4073 ug/Kg
RT: 12.42 min Scan# 1617
Delta R.T. 0.05 min
Lab File: 11M29691.D
Acq: 18 Oct 2005 00:35

Tgt Ion: 79 Resp: 117

Ion	Ratio	Lower	Upper
79	100		
94	17251.3	122.8	286.4#



Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\101705\11M29692.D Vial: 37
Acq On : 18 Oct 2005 1:08 Operator: CMS
Sample : L0510264-04 A 1.42X 826-SPE Inst : HPMS11
Misc : 7,1 (3.52g) Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 01:29:52 2005 Quant Results File: 8260BSL.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:43:13 2005
Response via : Initial Calibration
DataAcq Meth : 8260BSL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	10.555	96	526775	50.0000 ug/Kg	0.000
46) Chlorobenzene-d5	14.193	117	306508	50.0000 ug/Kg	0.000
66) 1,4-Dichlorobenzene-d4	16.997	152	89710	50.0000 ug/Kg	0.000

System Monitoring Compounds					
29) Dibromofluoromethane	9.563	111	194104	53.8543070 ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 107.71%		
34) 1,2-Dichloroethane-d4	10.171	65	241548	50.1334116 ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.27%		
47) Toluene-d8	12.416	98	562524	64.4813679 ug/Kg	0.00
Spiked Amount 50.000	Range 81 - 117		Recovery = 128.96%#		
68) p-Bromofluorobenzene	15.586	95	130508	66.0847911 ug/Kg	0.00
Spiked Amount 50.000	Range 74 - 121		Recovery = 132.17%#		

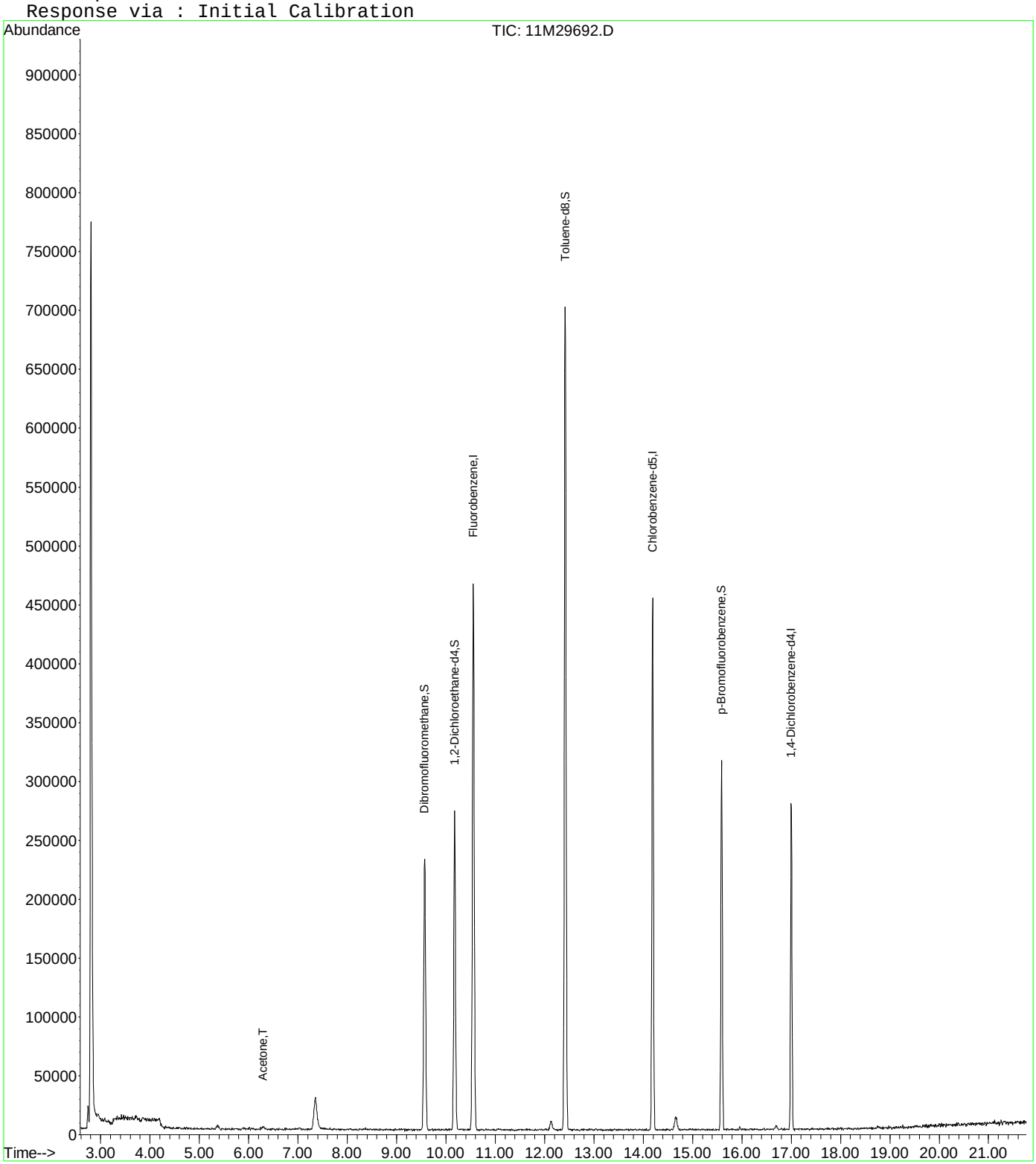
Target Compounds					Qvalue
11) Acetone	6.29	43	2547	1.4249 ug/Kg	97

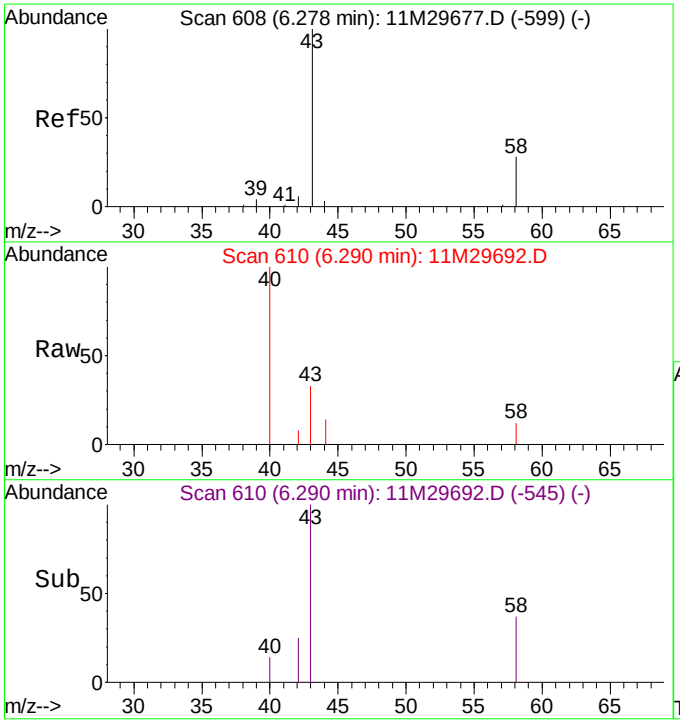
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\101705\11M29692.D Vial: 37
Acq On : 18 Oct 2005 1:08 Operator: CMS
Sample : L0510264-04 A 1.42X 826-SPE Inst : HPMS11
Misc : 7,1 (3.52g) Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 1:29 2005 Quant Results File: 8260BSL.RES

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:43:13 2005
Response via : Initial Calibration

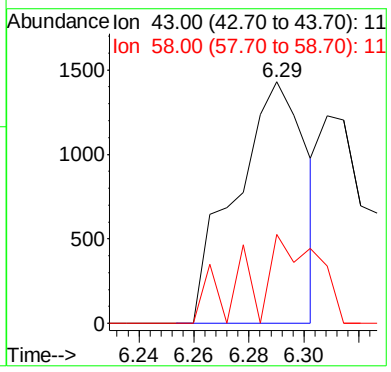




#11
Acetone
Concen: 1.4249 ug/Kg
RT: 6.29 min Scan# 610
Delta R.T. -0.01 min
Lab File: 11M29692.D
Acq: 18 Oct 2005 1:08

Tgt Ion: 43 Resp: 2547

Ion	Ratio	Lower	Upper
43	100		
58	30.6	19.5	45.5



Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\101805\11M29714.D Vial: 14
Acq On : 18 Oct 2005 15:59 Operator: CMS
Sample : L0510264-04 B 1.58X 826-SPE Inst : HPMS11
Misc : 7,1 (3.17g) Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 16:21:30 2005 Quant Results File: 8260BSL.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:43:13 2005
Response via : Initial Calibration
DataAcq Meth : 8260BSL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	10.555	96	564897	50.0000 ug/Kg	0.000
46) Chlorobenzene-d5	14.193	117	334724	50.0000 ug/Kg	0.000
66) 1,4-Dichlorobenzene-d4	17.003	152	107169	50.0000 ug/Kg	0.000

System Monitoring Compounds					
29) Dibromofluoromethane	9.569	111	197048	50.9816486 ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.96%		
34) 1,2-Dichloroethane-d4	10.177	65	274711	53.1686644 ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 106.34%		
47) Toluene-d8	12.422	98	624024	65.5012277 ug/Kg	0.01
Spiked Amount 50.000	Range 81 - 117		Recovery = 131.00%#		
68) p-Bromofluorobenzene	15.586	95	147836	62.6637338 ug/Kg	0.00
Spiked Amount 50.000	Range 74 - 121		Recovery = 125.33%#		

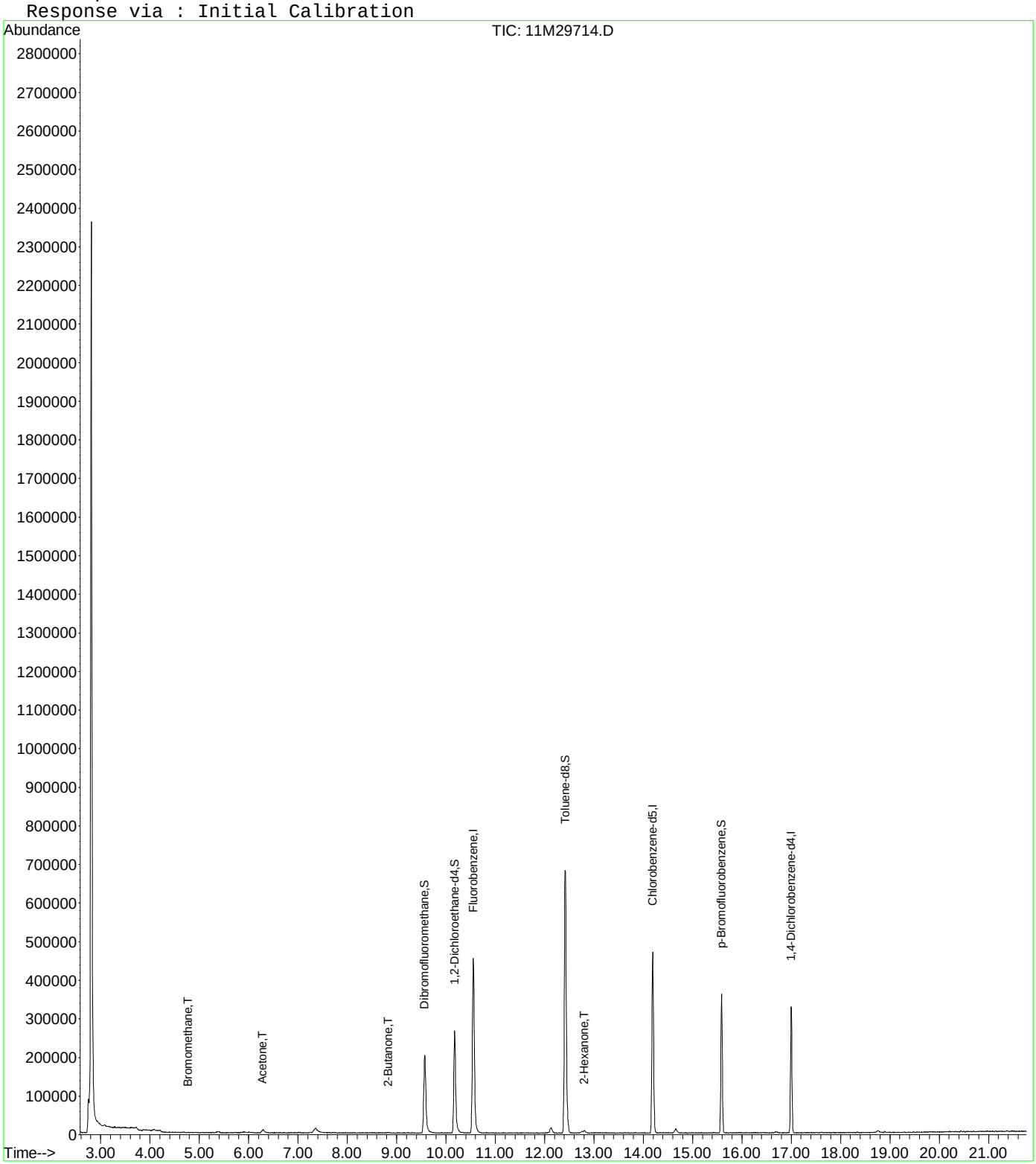
Target Compounds					Qvalue
5) Bromomethane	4.78	94	123	1.5743 ug/Kg	75
11) Acetone	6.28	43	22419	11.6960 ug/Kg	93
24) 2-Butanone	8.83	43	2019	0.8621 ug/Kg#	51
52) 2-Hexanone	12.81	43	7906	3.5980 ug/Kg#	79

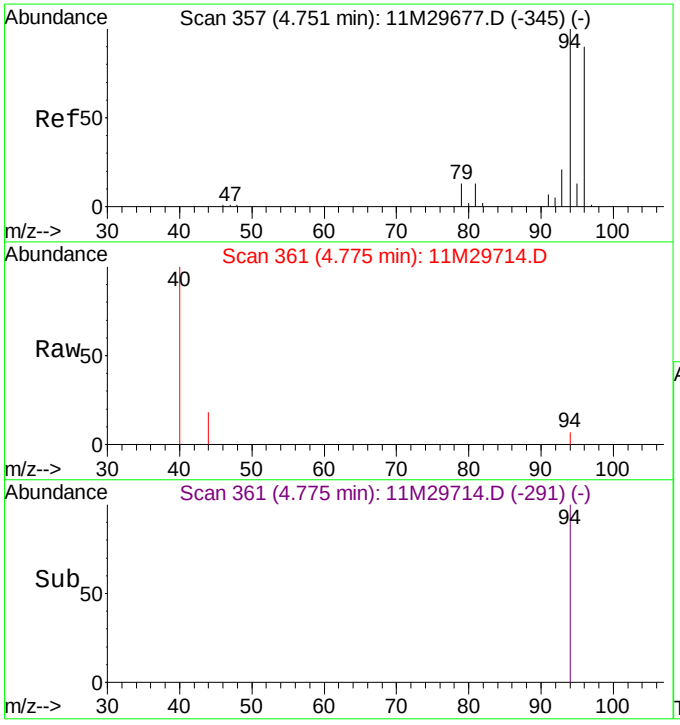
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\101805\11M29714.D Vial: 14
Acq On : 18 Oct 2005 15:59 Operator: CMS
Sample : L0510264-04 B 1.58X 826-SPE Inst : HPMS11
Misc : 7,1 (3.17g) Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 16:21 2005 Quant Results File: 8260BSL.RES

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:43:13 2005
Response via : Initial Calibration

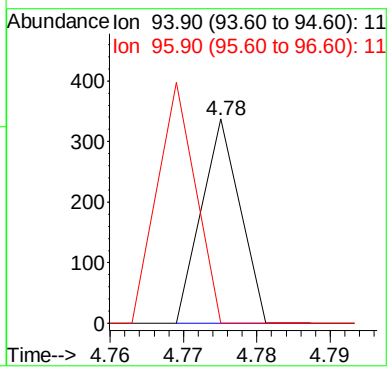


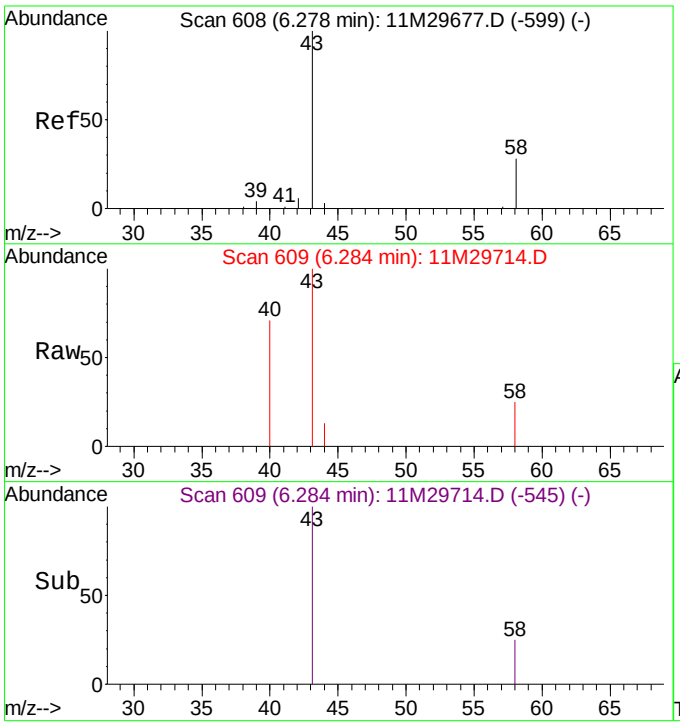


#5
Bromomethane
Concen: 1.5743 ug/Kg
RT: 4.78 min Scan# 361
Delta R.T. 0.02 min
Lab File: 11M29714.D
Acq: 18 Oct 2005 15:59

Tgt Ion: 94 Resp: 123

Ion	Ratio	Lower	Upper
94	100		
96	117.9	56.1	130.9

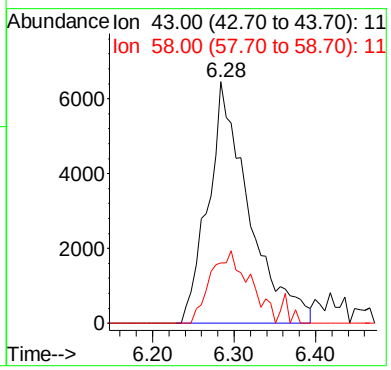


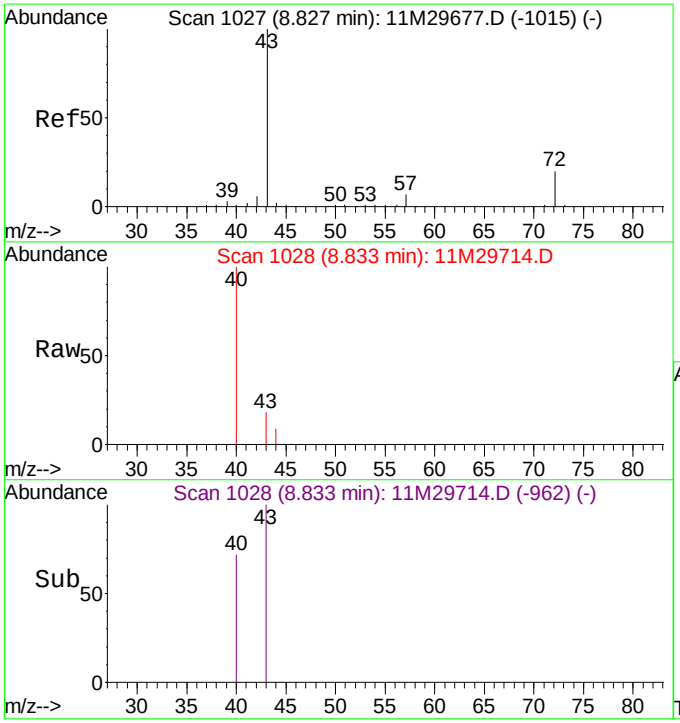


#11
Acetone
Concen: 11.6960 ug/Kg
RT: 6.28 min Scan# 609
Delta R.T. -0.01 min
Lab File: 11M29714.D
Acq: 18 Oct 2005 15:59

Tgt Ion: 43 Resp: 22419

Ion	Ratio	Lower	Upper
43	100		
58	28.6	19.5	45.5

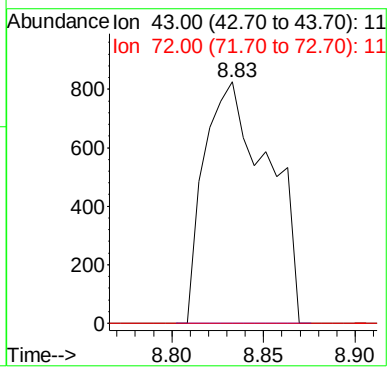


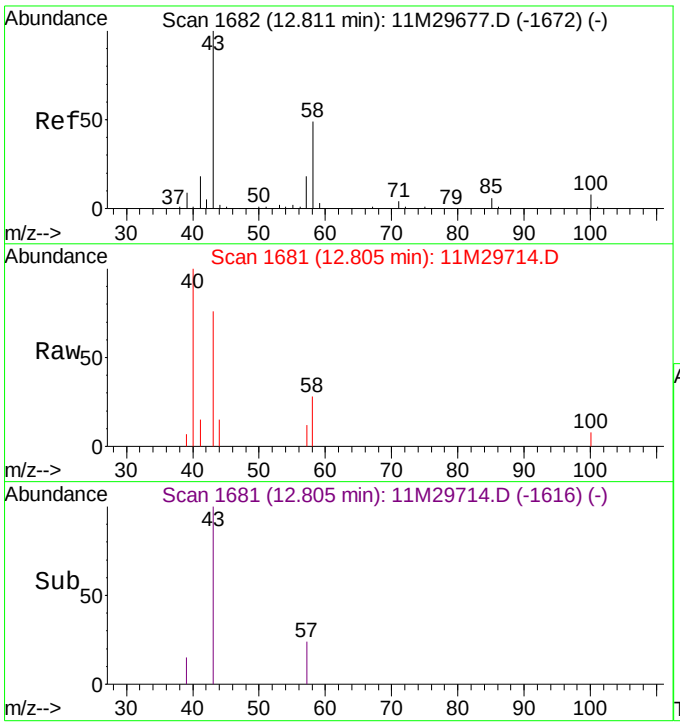


#24
2-Butanone
Concen: 0.8621 ug/Kg
RT: 8.83 min Scan# 1028
Delta R.T. -0.00 min
Lab File: 11M29714.D
Acq: 18 Oct 2005 15:59

Tgt Ion: 43 Resp: 2019

Ion	Ratio	Lower	Upper
43	100		
72	0.0	14.5	33.7#

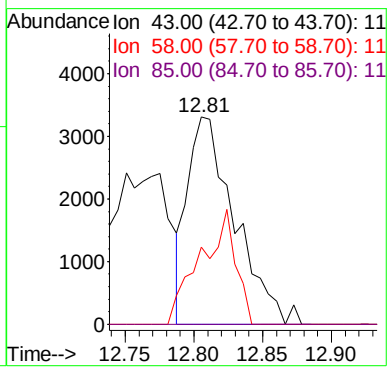




#52
2-Hexanone
Concen: 3.5980 ug/Kg
RT: 12.81 min Scan# 1681
Delta R.T. -0.01 min
Lab File: 11M29714.D
Acq: 18 Oct 2005 15:59

Tgt Ion: 43 Resp: 7906

Ion	Ratio	Lower	Upper
43	100		
58	41.5	34.2	79.8
85	0.0	4.7	10.9#



Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\data\101405\8M323077.D Vial: 9
Acq On : 14 Oct 2005 11:41 Operator: CMS
Sample : L0510264-05 A 826-SPE Inst : HPMS8
Misc : 1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 12:04:09 2005 Quant Results File: 8260BWT.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Initial Calibration
DataAcq Meth : 8260BWT

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	11.39	96	863740	25.00 ug/L	0.00
44) Chlorobenzene-d5	15.27	117	634844	25.00 ug/L	0.00
64) 1,4-Dichlorobenzene-d4	18.30	152	325472	25.00 ug/L	0.00

System Monitoring Compounds

28) Dibromofluoromethane	10.35	111	183853	25.9527 ug/L	0.00
Spiked Amount 25.000	Range 86 - 118		Recovery = 103.80%		
33) 1,2-Dichloroethane-d4	10.99	65	209989	27.9061 ug/L	0.00
Spiked Amount 25.000	Range 80 - 120		Recovery = 111.64%		
45) Toluene-d8	13.38	98	642908	26.1446 ug/L	0.00
Spiked Amount 25.000	Range 88 - 110		Recovery = 104.56%		
66) p-Bromofluorobenzene	16.77	95	251556	27.5502 ug/L	0.00
Spiked Amount 25.000	Range 86 - 115		Recovery = 110.20%		

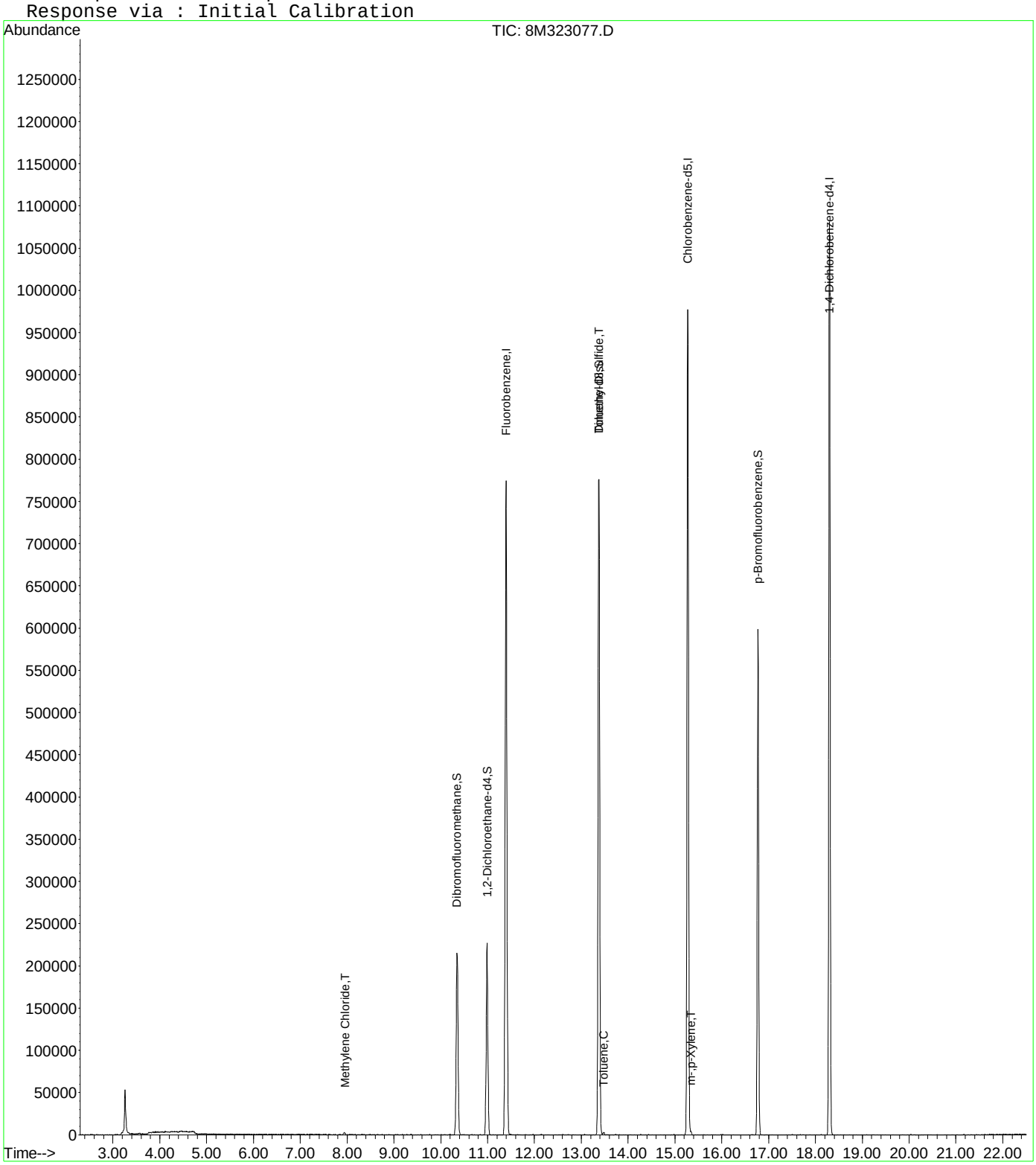
Target Compounds					Qvalue
15) Methylene Chloride	7.96	84	1281	0.1950 ug/L	75
43) Dimethyl Disulfide	13.38	94	19331	1.7624 ug/L #	27
46) Toluene	13.47	91	3332	0.1217 ug/L	91
59) m-,p-Xylene	15.34	106	1119	0.5951 ug/L #	1

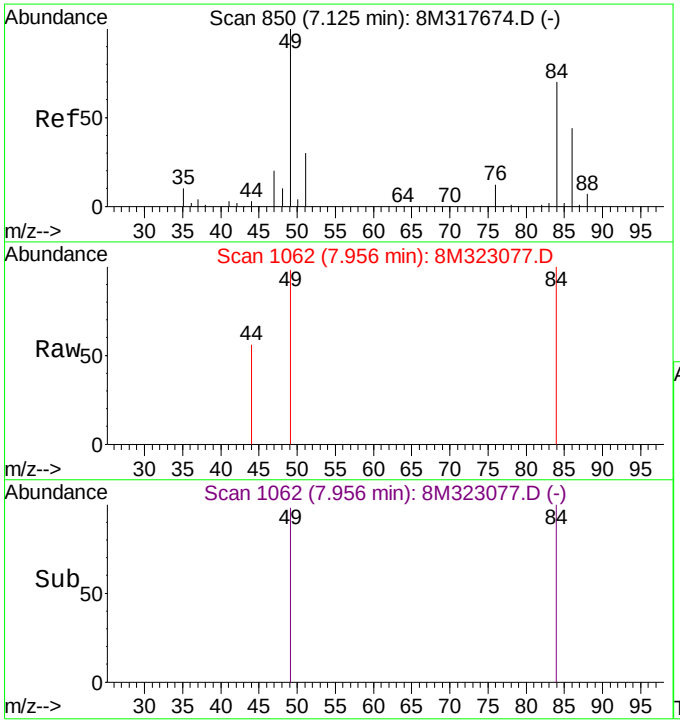
(#) = qualifier out of range (m) = manual integration
8M323077.D 8260BWT.M Fri Oct 14 12:04:10 2005 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\data\101405\8M323077.D Vial: 9
Acq On : 14 Oct 2005 11:41 Operator: CMS
Sample : L0510264-05 A 826-SPE Inst : HPMS8
Misc : 1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 12:04 2005 Quant Results File: 8260BWT.RES

Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Initial Calibration

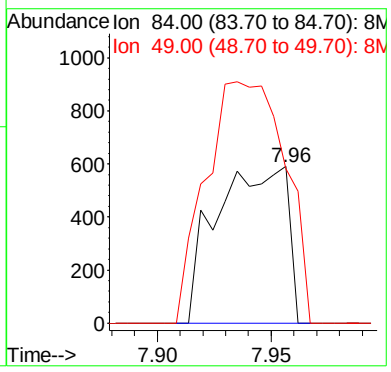


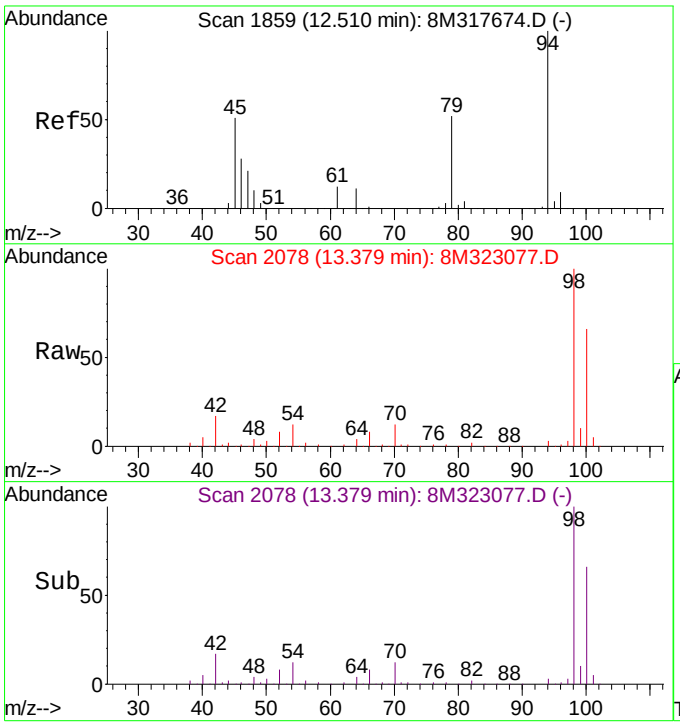


#15
Methylene Chloride
Concen: 0.20 ug/L
RT: 7.96 min Scan# 1062
Delta R.T. 0.01 min
Lab File: 8M323077.D
Acq: 14 Oct 2005 11:41

Tgt Ion: 84 Resp: 1281

Ion	Ratio	Lower	Upper
84	100		
49	171.5	84.5	197.3

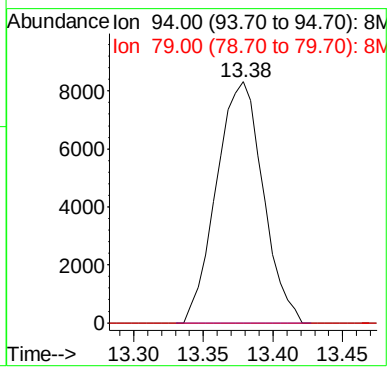


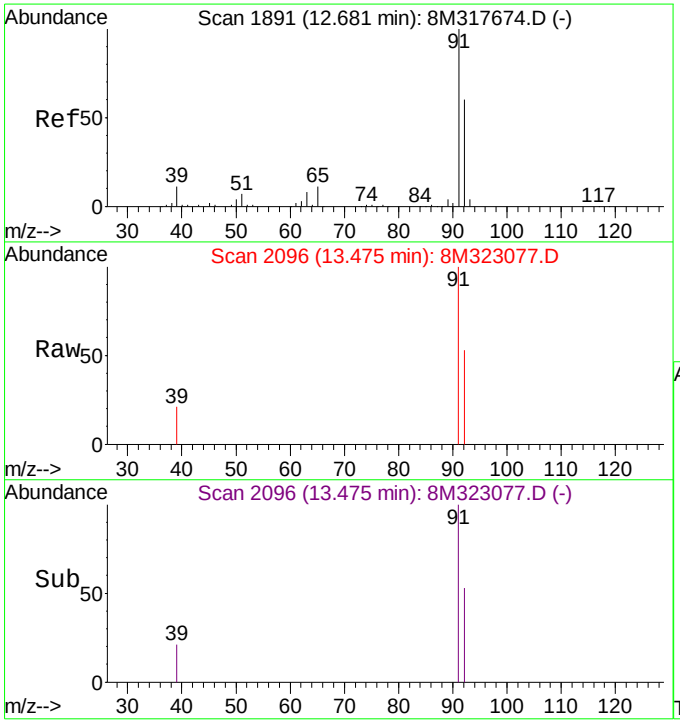


#43
Dimethyl Disulfide
Concen: 1.76 ug/L
RT: 13.38 min Scan# 2078
Delta R.T. 0.06 min
Lab File: 8M323077.D
Acq: 14 Oct 2005 11:41

Tgt Ion: 94 Resp: 19331

Ion	Ratio	Lower	Upper
94	100		
79	0.0	30.7	71.5#

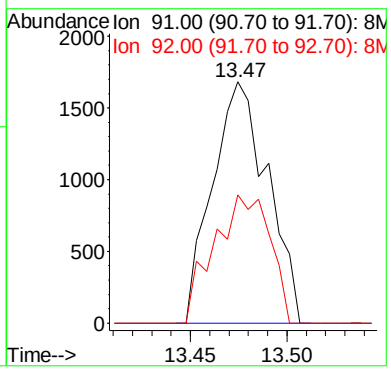


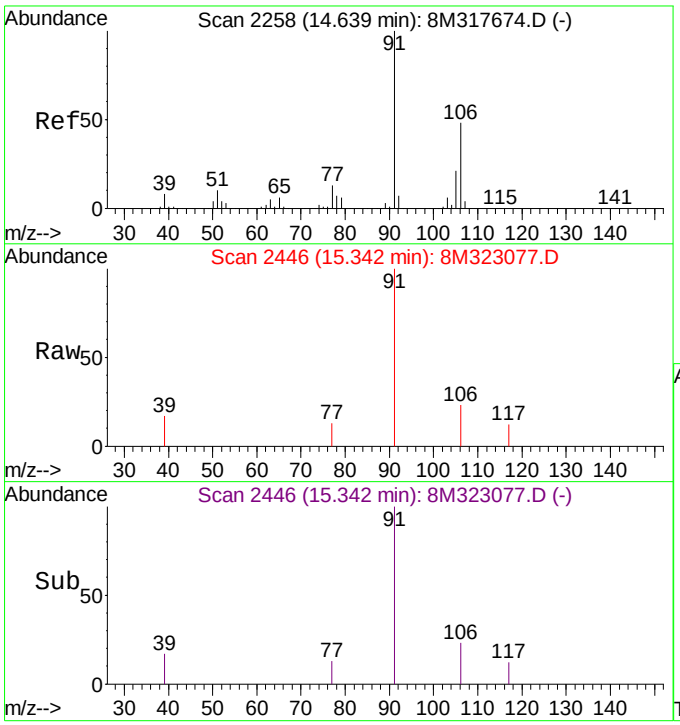


#46
Toluene
Concen: 0.12 ug/L
RT: 13.47 min Scan# 2096
Delta R.T. -0.00 min
Lab File: 8M323077.D
Acq: 14 Oct 2005 11:41

Tgt Ion: 91 Resp: 3332

Ion	Ratio	Lower	Upper
91	100		
92	53.9	36.2	84.6

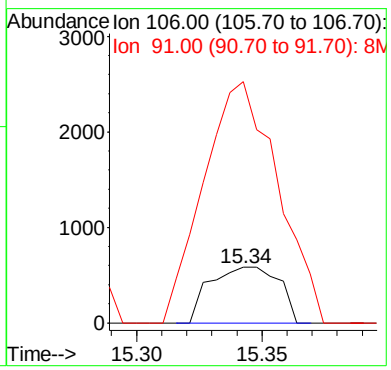




#59
m-,p-Xylene
Concen: 0.60 ug/L
RT: 15.34 min Scan# 2446
Delta R.T. -0.09 min
Lab File: 8M323077.D
Acq: 14 Oct 2005 11:41

Tgt Ion:106 Resp: 1119

Ion	Ratio	Lower	Upper
106	100		
91	465.1	121.7	283.9#



2.1.1.3 Standards Data

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\091305\8M322484.D Vial: 4
Acq On : 13 Sep 2005 9:19 Operator: CMS
Sample : WG196546-06 5ug/L STD 8260 Inst : HPMS8
Misc : 1,1 SV14649 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 08:36:56 2005 Quant Results File: 8260BWT.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Initial Calibration
DataAcq Meth : 8260WT

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	11.39	96	1017204	25.00 ug/L	0.00
44) Chlorobenzene-d5	15.27	117	749897	25.00 ug/L	0.00
64) 1,4-Dichlorobenzene-d4	18.30	152	415061	25.00 ug/L	0.00

System Monitoring Compounds					
28) Dibromofluoromethane	10.35	111	18904	2.2659 ug/L	0.00
Spiked Amount 25.000	Range 86 - 118		Recovery =	9.08%#	
33) 1,2-Dichloroethane-d4	10.99	65	20625	2.3274 ug/L	0.00
Spiked Amount 25.000	Range 80 - 120		Recovery =	9.32%#	
45) Toluene-d8	13.38	98	65122	2.2419 ug/L	0.00
Spiked Amount 25.000	Range 88 - 110		Recovery =	8.96%#	
66) p-Bromofluorobenzene	16.78	95	25683	2.2057 ug/L	0.00
Spiked Amount 25.000	Range 86 - 115		Recovery =	8.84%#	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.64	85	64754	5.1324 ug/L	95
3) Chloromethane	4.17	50	41484	4.9487 ug/L	96
4) Vinyl Chloride	4.42	62	30535	4.7438 ug/L	100
5) Bromomethane	5.38	94	29846	5.1006 ug/L	97
6) Chloroethane	5.55	64	29670	4.9613 ug/L	97
7) Trichlorofluoromethane	6.07	101	83720	5.0842 ug/L	98
8) Isoprene	6.64	67	36041	4.7128 ug/L	93
9) Acrolein	6.83	56	3310	9.9612 ug/L	88
10) 1,1,2-Trichloro-1,2,2-Trif	6.85	101	45652m	5.0586 ug/L	
11) Acetone	6.93	43	7100	5.5325 ug/L	84
12) 1,1-Dichloroethene	7.17	61	64225	5.0634 ug/L	94
13) Dimethyl Sulfide	7.43	62	39864	4.9371 ug/L	94
14) Iodomethane	7.68	142	37163	4.5224 ug/L	97
15) Methylene Chloride	7.95	84	39925	5.1615 ug/L	92
16) Carbon Disulfide	8.01	76	113600	5.1132 ug/L	99
17) Acrylonitrile	8.12	53	7559	4.5810 ug/L	98
18) Methyl Tert Butyl Ether	8.15	73	72565	4.9166 ug/L	99
19) trans-1,2-Dichloroethene	8.40	61	62529	5.1603 ug/L	95
20) n-Hexane	8.48	57	50248	5.1436 ug/L	96
21) Vinyl Acetate	8.98	43	55418	4.6425 ug/L	98
22) 1,1-Dichloroethane	9.01	63	77026	5.2785 ug/L	99
23) 2-Butanone	9.56	43	8069	4.8396 ug/L #	74
24) 2,2-Dichloropropane	9.79	77	64760	5.0266 ug/L	98
25) cis-1,2-Dichloroethene	9.85	61	60255	4.7788 ug/L	99
26) Chloroform	10.06	83	78348	5.3279 ug/L	99
27) Bromochloromethane	10.30	130	23490	5.3506 ug/L	96
29) 1,1,1-Trichloroethane	10.60	97	73247	5.1459 ug/L	97
30) Cyclohexane	10.65	56	67265	5.0616 ug/L	98
31) 1,1-Dichloropropene	10.80	75	55912	5.1294 ug/L	98
32) Carbon Tetrachloride	10.95	117	65677	5.1676 ug/L	98
34) 1,2-Dichloroethane	11.10	62	56779	5.2116 ug/L	90
35) Benzene	11.16	78	159699	5.4303 ug/L	98
36) Trichloroethene	11.90	130	41522	5.0860 ug/L	99
37) 1,2-Dichloropropane	12.12	63	39977	5.3204 ug/L	95
38) Bromodichloromethane	12.42	83	51776	5.1543 ug/L	99
39) Dibromomethane	12.50	93	19204	5.3421 ug/L	85
40) 2-Chloroethyl Vinyl Ether	12.69	63	14060	5.4062 ug/L	98
41) 4-Methyl-2-Pentanone	12.72	58	6427	4.2100 ug/L #	81
42) cis-1,3-Dichloropropene	13.04	75	57168	4.8486 ug/L	99
43) Dimethyl Disulfide	13.32	94	52028	4.0277 ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\091305\8M322484.D Vial: 4
Acq On : 13 Sep 2005 9:19 Operator: CMS
Sample : WG196546-06 5ug/L STD 8260 Inst : HPMS8
Misc : 1,1 SV14649 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 08:36:56 2005 Quant Results File: 8260BWT.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Initial Calibration
DataAcq Meth : 8260WT

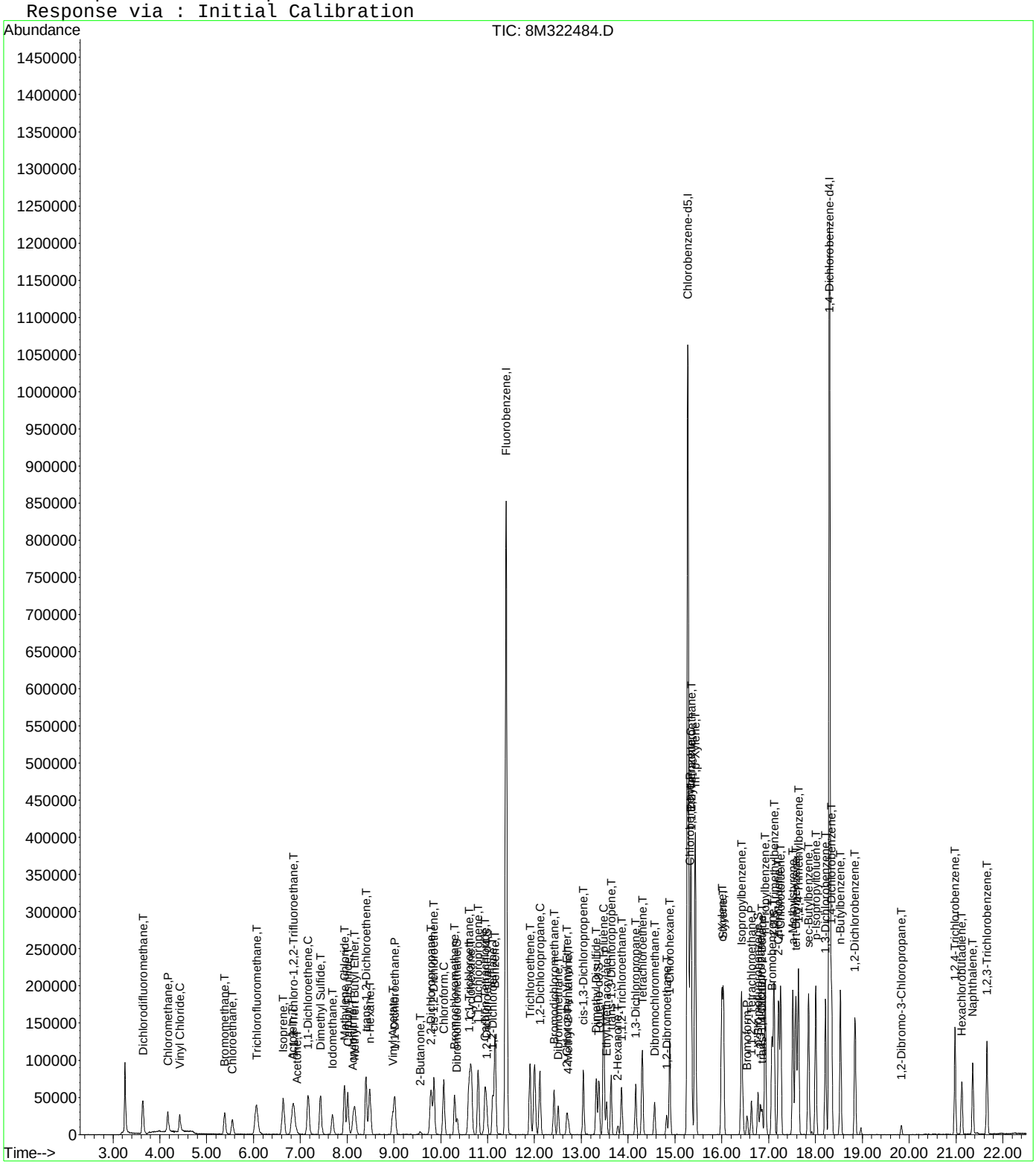
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Toluene	13.48	91	169395	5.2395	ug/L		100
47)	Ethyl Methacrylate	13.54	69	27887	4.5976	ug/L		98
48)	trans-1,3-Dichloropropene	13.64	75	50644	5.0405	ug/L		98
49)	1,1,2-Trichloroethane	13.86	97	26437	5.1796	ug/L		98
50)	2-Hexanone	13.78	43	11492	4.4457	ug/L	#	94
51)	1,3-Dichloropropane	14.16	76	46382	5.2224	ug/L		93
52)	Tetrachloroethene	14.30	164	33635	5.2389	ug/L		91
53)	Dibromochloromethane	14.56	129	31598	4.9692	ug/L		98
54)	1,2-Dibromoethane	14.82	107	24594	5.1528	ug/L		98
55)	1-Chlorohexane	14.89	91	50210	4.9808	ug/L		88
56)	Chlorobenzene	15.32	112	117650	5.4803	ug/L		87
57)	1,1,1,2-Tetrachloroethane	15.35	131	41125	5.6605	ug/L		97
58)	Ethylbenzene	15.35	106	61946	5.4562	ug/L		99
59)	m-,p-Xylene	15.43	106	156876	9.8863	ug/L		100
60)	o-Xylene	16.00	106	70062	5.1767	ug/L		98
61)	Styrene	16.04	104	116235	4.8720	ug/L		95
62)	Bromoform	16.54	173	16761	5.0181	ug/L		99
63)	Isopropylbenzene	16.43	105	176199	4.9529	ug/L		97
65)	1,1,2,2-Tetrachloroethane	16.63	83	29423	5.5454	ug/L		98
67)	1,2,3-Trichloropropane	16.83	110	9080	5.4041	ug/L	#	1
68)	trans-1,4-Dichloro-2-Buten	16.86	53	10459	4.9501	ug/L	#	1
69)	n-Propylbenzene	16.93	91	225114	5.2495	ug/L		98
70)	Bromobenzene	17.08	156	45509	5.4800	ug/L	#	49
71)	1,3,5-Trimethylbenzene	17.11	105	161228	4.9879	ug/L		96
72)	2-Chlorotoluene	17.22	91	154648	5.5022	ug/L		99
73)	4-Chlorotoluene	17.25	91	142308	4.9628	ug/L		100
74)	a-Methylstyrene	17.52	118	80730	4.3966	ug/L		97
75)	tert-Butylbenzene	17.58	134	32700	5.3446	ug/L		62
76)	1,2,4-Trimethylbenzene	17.64	105	173929	5.2816	ug/L		98
77)	sec-Butylbenzene	17.85	105	188698	5.1963	ug/L		98
78)	p-Isopropyltoluene	18.01	119	157688	4.9116	ug/L		99
79)	1,3-Dichlorobenzene	18.21	146	95518	5.4225	ug/L		94
80)	1,4-Dichlorobenzene	18.34	146	101019	5.4362	ug/L		86
81)	n-Butylbenzene	18.53	91	146489	5.1845	ug/L		98
82)	1,2-Dichlorobenzene	18.85	146	85769	5.5371	ug/L		96
83)	1,2-Dibromo-3-Chloropropan	19.84	75	4552	5.1096	ug/L		86
84)	1,2,4-Trichlorobenzene	20.98	180	56932	5.5288	ug/L		99
85)	Hexachlorobutadiene	21.13	225	19272	5.0218	ug/L		91
86)	Naphthalene	21.36	128	98948	5.2783	ug/L		99
87)	1,2,3-Trichlorobenzene	21.66	180	48517	5.4771	ug/L		95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\091305\8M322484.D Vial: 4
Acq On : 13 Sep 2005 9:19 Operator: CMS
Sample : WG196546-06 5ug/L STD 8260 Inst : HPMS8
Misc : 1,1 SV14649 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 8:37 2005 Quant Results File: 8260BWT.RES

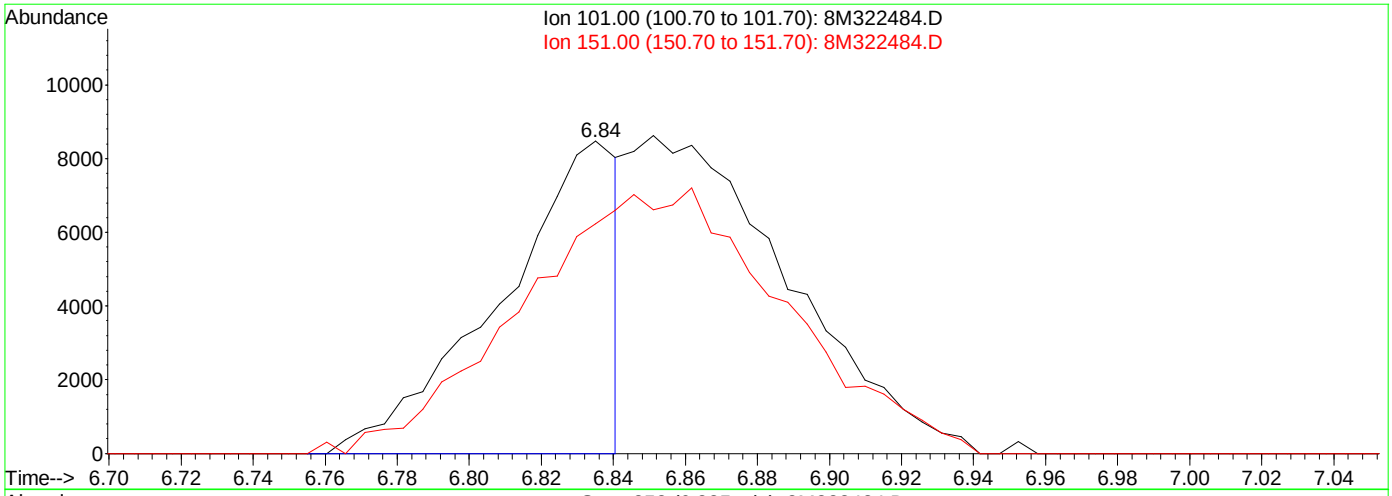
Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Initial Calibration

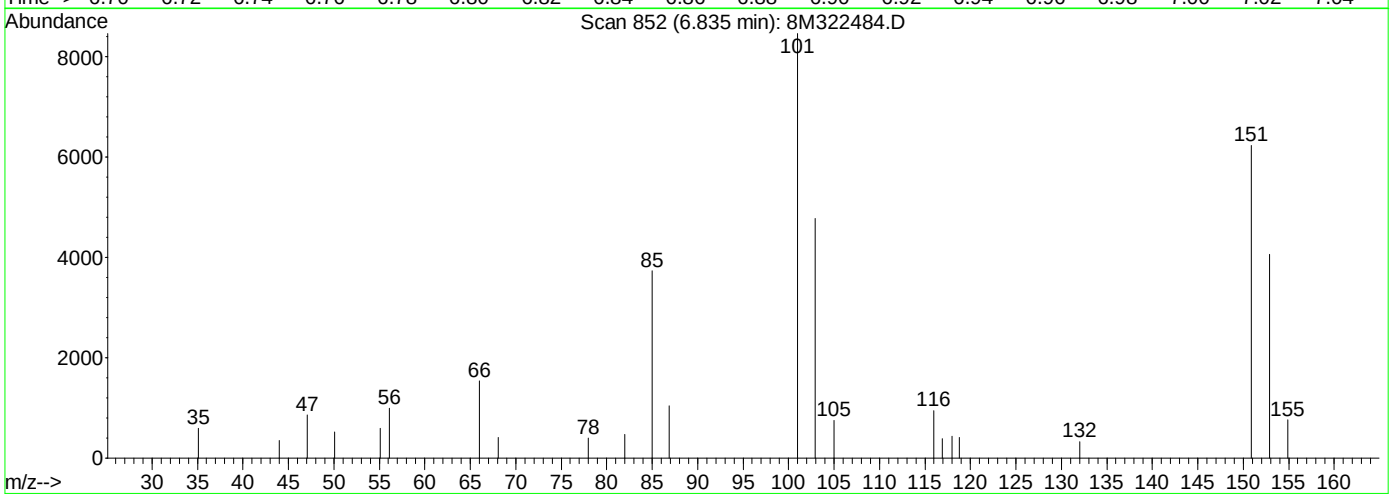


Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\091305\8M322484.D Vial: 4
Acq On : 13 Sep 2005 9:19 Operator: CMS
Sample : WG196546-06 5ug/L STD 8260 Inst : HPMS8
Misc : 1,1 SV14649 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 8:36 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Single Level Calibration





TIC: 8M322484.D

(10) 1,1,2-Trichloro-1,2,2-Trifluoroethane (T)

6.84min 2.14ug/L

response 19288

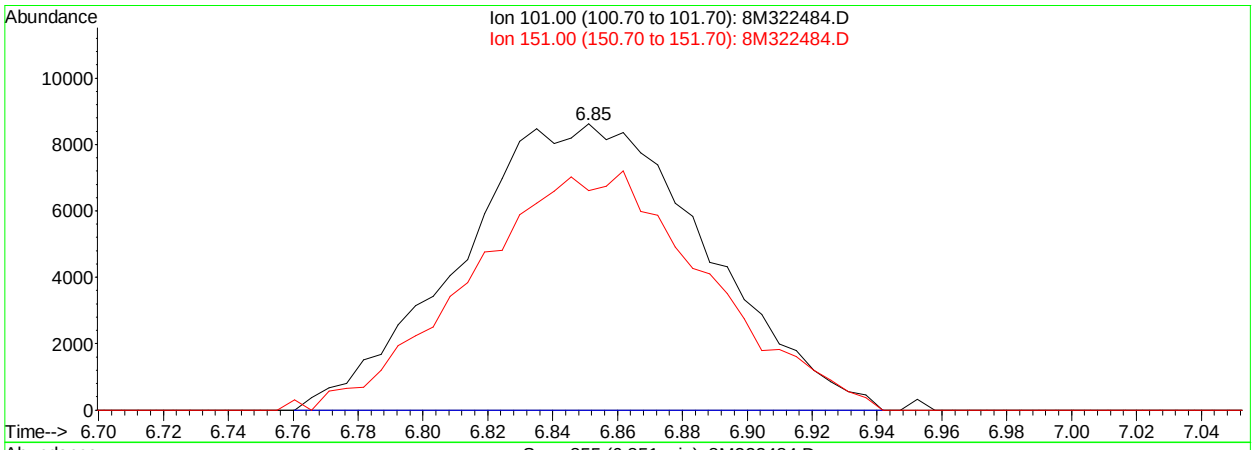
Ion	Exp%	Act%
101.00	100	100
151.00	82.80	187.37#
0.00	0.00	0.00
0.00	0.00	0.00

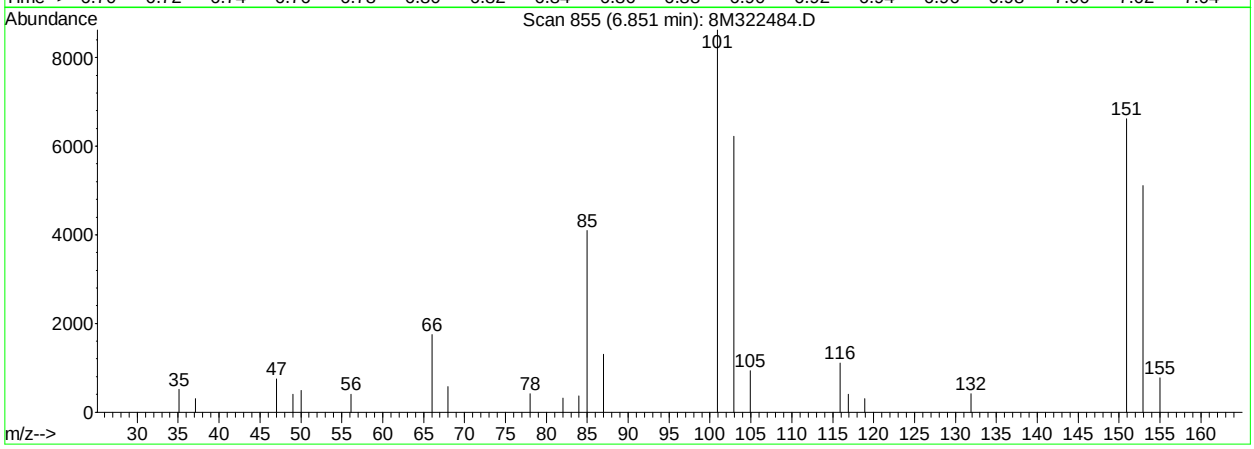
8M322484.D 8260BWT.M Wed Sep 14 08:37:07 2005

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\091305\8M322484.D Vial: 4
Acq On : 13 Sep 2005 9:19 Operator: CMS
Sample : WG196546-06 5ug/L STD 8260 Inst : HPMS8
Misc : 1,1 SV14649 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 8:37 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Single Level Calibration





TIC: 8M322484.D

(10) 1,1,2-Trichloro-1,2,2-Trifluoroethane (T)

6.85min 5.06ug/L m

response 45652

Ion	Exp%	Act%
101.00	100	100
151.00	82.80	79.16
0.00	0.00	0.00
0.00	0.00	0.00

8M322484.D 8260BWT.M Wed Sep 14 08:37:12 2005

Approved: September 14, 2005	Supervisor: September 14, 2005
Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak	
Crystal Stevens	

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\091305\8M322485.D Vial: 5
Acq On : 13 Sep 2005 9:49 Operator: CMS
Sample : WG196546-05 2ug/L STD 8260 Inst : HPMS8
Misc : 1,1 SV14649 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 08:40:02 2005 Quant Results File: 8260BWT.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Initial Calibration
DataAcq Meth : 8260WT

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	11.39	96	996742	25.00 ug/L	0.00
44) Chlorobenzene-d5	15.27	117	726005	25.00 ug/L	0.00
64) 1,4-Dichlorobenzene-d4	18.30	152	399642	25.00 ug/L	0.00

System Monitoring Compounds					
28) Dibromofluoromethane	10.35	111	8395	1.0269 ug/L	0.00
Spiked Amount 25.000	Range 86 - 118		Recovery =	4.12%#	
33) 1,2-Dichloroethane-d4	10.98	65	9306	1.0717 ug/L	0.00
Spiked Amount 25.000	Range 80 - 120		Recovery =	4.28%#	
45) Toluene-d8	13.38	98	28602	1.0171 ug/L	0.00
Spiked Amount 25.000	Range 88 - 110		Recovery =	4.08%#	
66) p-Bromofluorobenzene	16.77	95	10661	0.9509 ug/L	0.00
Spiked Amount 25.000	Range 86 - 115		Recovery =	3.80%#	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.63	85	24234	1.9602 ug/L	99
3) Chloromethane	4.17	50	17725	2.1579 ug/L	92
4) Vinyl Chloride	4.42	62	12854	1.5919 ug/L	98
5) Bromomethane	5.39	94	11042	1.9258 ug/L	93
6) Chloroethane	5.55	64	11415	1.9479 ug/L	95
7) Trichlorofluoromethane	6.07	101	31364	1.9438 ug/L #	94
8) Isoprene	6.63	67	11842	1.5803 ug/L	87
10) 1,1,2-Trichloro-1,2,2-Trif	6.85	101	17672	1.9984 ug/L	77
11) Acetone	6.93	43	2629	2.0906 ug/L #	45
12) 1,1-Dichloroethene	7.17	61	22626	1.8204 ug/L	94
13) Dimethyl Sulfide	7.42	62	14331	1.8113 ug/L	96
14) Iodomethane	7.68	142	13380	1.6617 ug/L	89
15) Methylene Chloride	7.95	84	14890	1.9645 ug/L	90
16) Carbon Disulfide	8.02	76	41007	1.8836 ug/L	97
17) Acrylonitrile	8.11	53	2868	1.7738 ug/L	72
18) Methyl Tert Butyl Ether	8.15	73	25604	1.7704 ug/L #	80
19) trans-1,2-Dichloroethene	8.39	61	22610	1.9042 ug/L	91
20) n-Hexane	8.49	57	16630	1.7373 ug/L	99
21) Vinyl Acetate	8.97	43	18118	1.5489 ug/L	95
22) 1,1-Dichloroethane	9.01	63	28134	1.9676 ug/L	98
23) 2-Butanone	9.56	43	2839	1.7377 ug/L #	54
24) 2,2-Dichloropropane	9.79	77	22991	1.8212 ug/L	100
25) cis-1,2-Dichloroethene	9.85	61	21599	1.7482 ug/L	100
26) Chloroform	10.06	83	29193	2.0260 ug/L	97
27) Bromochloromethane	10.29	130	8621	2.0040 ug/L	95
29) 1,1,1-Trichloroethane	10.60	97	26004	1.8644 ug/L	92
30) Cyclohexane	10.65	56	22692	1.7426 ug/L	96
31) 1,1-Dichloropropene	10.79	75	19866	1.8599 ug/L	99
32) Carbon Tetrachloride	10.94	117	22785	1.8296 ug/L	97
34) 1,2-Dichloroethane	11.11	62	20826	1.9508 ug/L	97
35) Benzene	11.16	78	58225	2.0205 ug/L	99
36) Trichloroethene	11.91	130	15371	1.9214 ug/L	94
37) 1,2-Dichloropropane	12.11	63	14207	1.9296 ug/L	90
38) Bromodichloromethane	12.42	83	18569	1.8865 ug/L	99
39) Dibromomethane	12.51	93	6784	1.9259 ug/L	87
40) 2-Chloroethyl Vinyl Ether	12.69	63	4479	2.8939 ug/L	95
42) cis-1,3-Dichloropropene	13.05	75	18904	2.0163 ug/L	98
46) Toluene	13.47	91	60286	1.9260 ug/L	97
47) Ethyl Methacrylate	13.54	69	8675	1.4773 ug/L	99
48) trans-1,3-Dichloropropene	13.63	75	16791	1.7262 ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\091305\8M322485.D Vial: 5
Acq On : 13 Sep 2005 9:49 Operator: CMS
Sample : WG196546-05 2ug/L STD 8260 Inst : HPMS8
Misc : 1,1 SV14649 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 08:40:02 2005 Quant Results File: 8260BWT.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Initial Calibration
DataAcq Meth : 8260WT

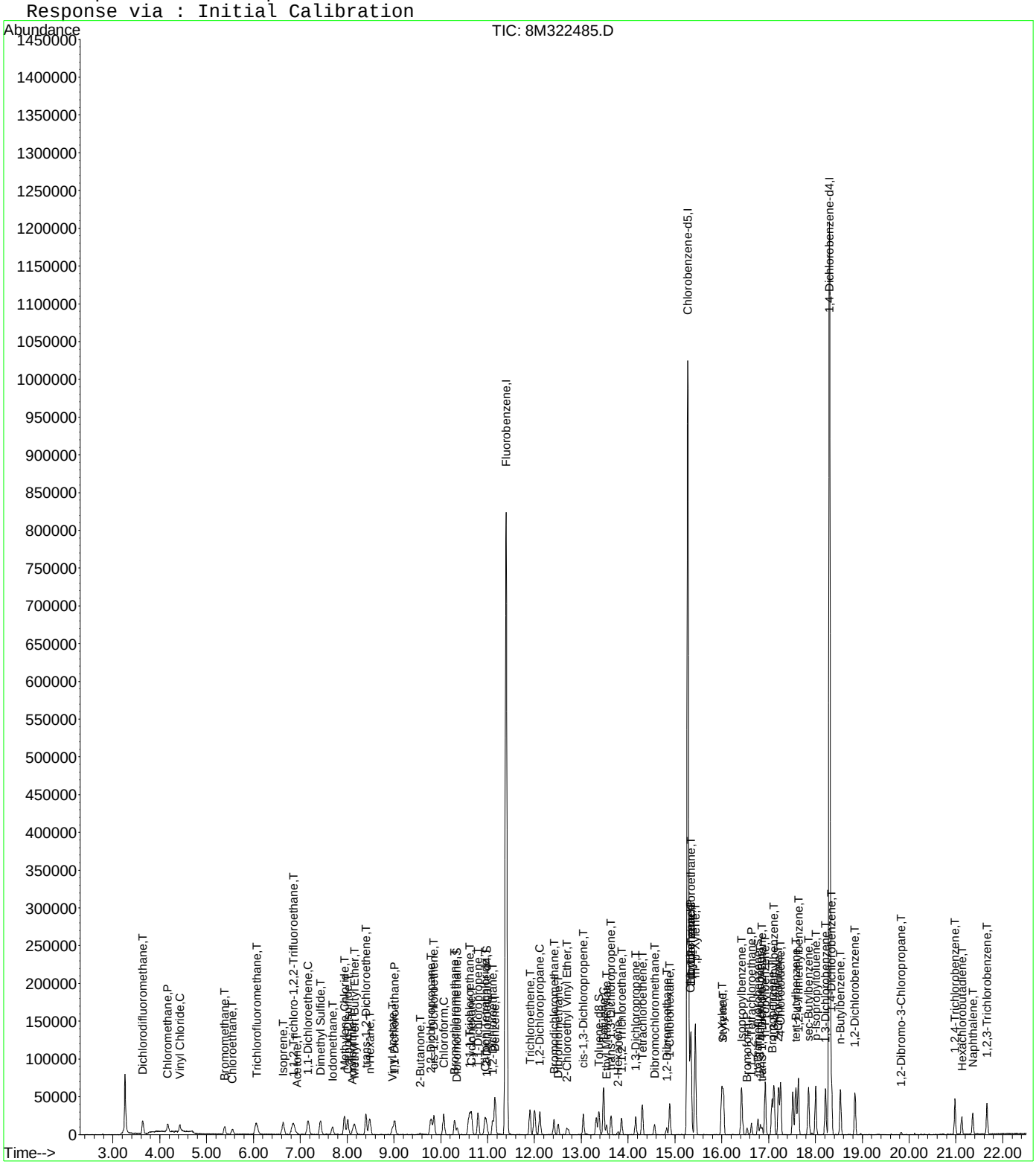
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
49)	1,1,2-Trichloroethane	13.86	97	9925	2.0085	ug/L		97
50)	2-Hexanone	13.79	43	4151	1.6587	ug/L	#	87
51)	1,3-Dichloropropane	14.16	76	16717	1.9442	ug/L		91
52)	Tetrachloroethene	14.30	164	11750	1.8904	ug/L		88
53)	Dibromochloromethane	14.56	129	10632	2.1460	ug/L		93
54)	1,2-Dibromoethane	14.82	107	8794	1.9031	ug/L		97
55)	1-Chlorohexane	14.89	91	16135	2.0908	ug/L		85
56)	Chlorobenzene	15.33	112	43637	2.0996	ug/L		93
57)	1,1,1,2-Tetrachloroethane	15.35	131	14484	2.0592	ug/L		96
58)	Ethylbenzene	15.34	106	21693	1.9736	ug/L		96
59)	m-,p-Xylene	15.43	106	55160	3.9043	ug/L		100
60)	o-Xylene	16.00	106	22933	1.7502	ug/L		93
61)	Styrene	16.03	104	37326	2.0744	ug/L		93
62)	Bromoform	16.54	173	5268	2.3320	ug/L		98
63)	Isopropylbenzene	16.42	105	57025	2.0887	ug/L		98
65)	1,1,2,2-Tetrachloroethane	16.63	83	10259	2.0081	ug/L	#	95
67)	1,2,3-Trichloropropane	16.82	110	2871	1.7746	ug/L	#	1
68)	trans-1,4-Dichloro-2-Buten	16.86	53	3067	1.5076	ug/L	#	1
69)	n-Propylbenzene	16.93	91	73908	1.7900	ug/L		99
70)	Bromobenzene	17.08	156	16179	2.0234	ug/L		55
71)	1,3,5-Trimethylbenzene	17.11	105	52187	1.9362	ug/L		95
72)	2-Chlorotoluene	17.22	91	49447	1.8271	ug/L		98
73)	4-Chlorotoluene	17.25	91	53628	1.9424	ug/L		92
75)	tert-Butylbenzene	17.58	134	11077	1.8803	ug/L		74
76)	1,2,4-Trimethylbenzene	17.63	105	59882	1.8886	ug/L		95
77)	sec-Butylbenzene	17.86	105	61449	1.7574	ug/L		98
78)	p-Isopropyltoluene	18.01	119	51108	1.9452	ug/L		96
79)	1,3-Dichlorobenzene	18.21	146	33866	1.9967	ug/L		96
80)	1,4-Dichlorobenzene	18.34	146	36354	2.0318	ug/L		90
81)	n-Butylbenzene	18.53	91	47083	1.7306	ug/L		97
82)	1,2-Dichlorobenzene	18.84	146	29797	1.9979	ug/L		94
83)	1,2-Dibromo-3-Chloropropan	19.83	75	1236	1.8608	ug/L		91
84)	1,2,4-Trichlorobenzene	20.98	180	19357	1.9523	ug/L		99
85)	Hexachlorobutadiene	21.12	225	6696	1.8579	ug/L		93
86)	Naphthalene	21.36	128	31074	1.7216	ug/L		100
87)	1,2,3-Trichlorobenzene	21.66	180	17259	2.0235	ug/L		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\091305\8M322485.D Vial: 5
Acq On : 13 Sep 2005 9:49 Operator: CMS
Sample : WG196546-05 2ug/L STD 8260 Inst : HPMS8
Misc : 1,1 SV14649 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 8:40 2005 Quant Results File: 8260BWT.RES

Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\091305\8M322486.D Vial: 6
Acq On : 13 Sep 2005 10:19 Operator: CMS
Sample : WG196546-04 1ug/L STD 8260 Inst : HPMS8
Misc : 1,1 SV14649 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 08:27:32 2005 Quant Results File: 8260BWT.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Initial Calibration
DataAcq Meth : 8260WT

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	11.39	96	984362	25.00 ug/L	0.00
44) Chlorobenzene-d5	15.27	117	717444	25.00 ug/L	0.00
64) 1,4-Dichlorobenzene-d4	18.30	152	390342	25.00 ug/L	0.00

System Monitoring Compounds					
28) Dibromofluoromethane	0.00	111	0d	0.0000 ug/L	
Spiked Amount 25.000	Range 86 - 118		Recovery	= 0.00%#	
33) 1,2-Dichloroethane-d4	0.00	65	0d	0.0000 ug/L	
Spiked Amount 25.000	Range 80 - 120		Recovery	= 0.00%#	
45) Toluene-d8	0.00	98	0d	0.0000 ug/L	
Spiked Amount 25.000	Range 88 - 110		Recovery	= 0.00%#	
66) p-Bromofluorobenzene	0.00	95	0d	0.0000 ug/L	
Spiked Amount 25.000	Range 86 - 115		Recovery	= 0.00%#	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.64	85	12411	1.0165 ug/L #	82
3) Chloromethane	4.17	50	8824	1.0878 ug/L	87
4) Vinyl Chloride	4.43	62	7237	0.5749 ug/L	98
5) Bromomethane	5.38	94	5326	0.9406 ug/L	96
6) Chloroethane	5.56	64	5698	0.9846 ug/L #	71
7) Trichlorofluoromethane	6.05	101	15113	0.9484 ug/L #	91
10) 1,1,2-Trichloro-1,2,2-Trif	6.86	101	8092m	0.9266 ug/L	
12) 1,1-Dichloroethene	7.17	61	9649	0.7861 ug/L	89
13) Dimethyl Sulfide	7.43	62	6376	0.8160 ug/L	97
14) Iodomethane	7.68	142	6383	0.8027 ug/L	97
15) Methylene Chloride	7.94	84	7587	1.0136 ug/L	88
16) Carbon Disulfide	8.01	76	19662	0.9145 ug/L	99
18) Methyl Tert Butyl Ether	8.15	73	12238	0.8569 ug/L #	68
19) trans-1,2-Dichloroethene	8.41	61	9664	0.8241 ug/L	93
20) n-Hexane	8.49	57	7390m	0.7817 ug/L	
22) 1,1-Dichloroethane	9.02	63	13171	0.9327 ug/L	97
24) 2,2-Dichloropropane	9.79	77	9434	0.7567 ug/L	99
25) cis-1,2-Dichloroethene	9.85	61	10262	0.8410 ug/L	96
26) Chloroform	10.07	83	13688	0.9619 ug/L	99
27) Bromochloromethane	10.29	130	4269	1.0048 ug/L	92
29) 1,1,1-Trichloroethane	10.59	97	11570	0.8400 ug/L	93
30) Cyclohexane	10.65	56	9847	0.7657 ug/L	98
31) 1,1-Dichloropropene	10.79	75	8069	0.7649 ug/L	92
32) Carbon Tetrachloride	10.96	117	9933	0.8076 ug/L	99
34) 1,2-Dichloroethane	11.11	62	10488	0.9948 ug/L	84
35) Benzene	11.16	78	26216	0.9212 ug/L	96
36) Trichloroethene	11.91	130	6999	0.8859 ug/L	97
37) 1,2-Dichloropropane	12.11	63	7091	0.9752 ug/L	94
38) Bromodichloromethane	12.42	83	9303	0.9570 ug/L	92
39) Dibromomethane	12.50	93	3230	0.9285 ug/L	87
42) cis-1,3-Dichloropropene	13.05	75	9147	1.2820 ug/L	93
46) Toluene	13.48	91	25566	0.8265 ug/L	99
48) trans-1,3-Dichloropropene	13.64	75	7820	0.8135 ug/L	94
49) 1,1,2-Trichloroethane	13.86	97	4674	0.9572 ug/L	95
51) 1,3-Dichloropropane	14.16	76	8064	0.9490 ug/L	96
52) Tetrachloroethene	14.31	164	5229	0.8513 ug/L	91
53) Dibromochloromethane	14.56	129	4720	1.3194 ug/L	90
54) 1,2-Dibromoethane	14.83	107	4102	0.8983 ug/L	95
55) 1-Chlorohexane	14.89	91	6274	1.2215 ug/L	73
56) Chlorobenzene	15.32	112	20807	1.0131 ug/L	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\091305\8M322486.D Vial: 6
Acq On : 13 Sep 2005 10:19 Operator: CMS
Sample : WG196546-04 1ug/L STD 8260 Inst : HPMS8
Misc : 1,1 SV14649 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 08:27:32 2005 Quant Results File: 8260BWT.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Initial Calibration
DataAcq Meth : 8260WT

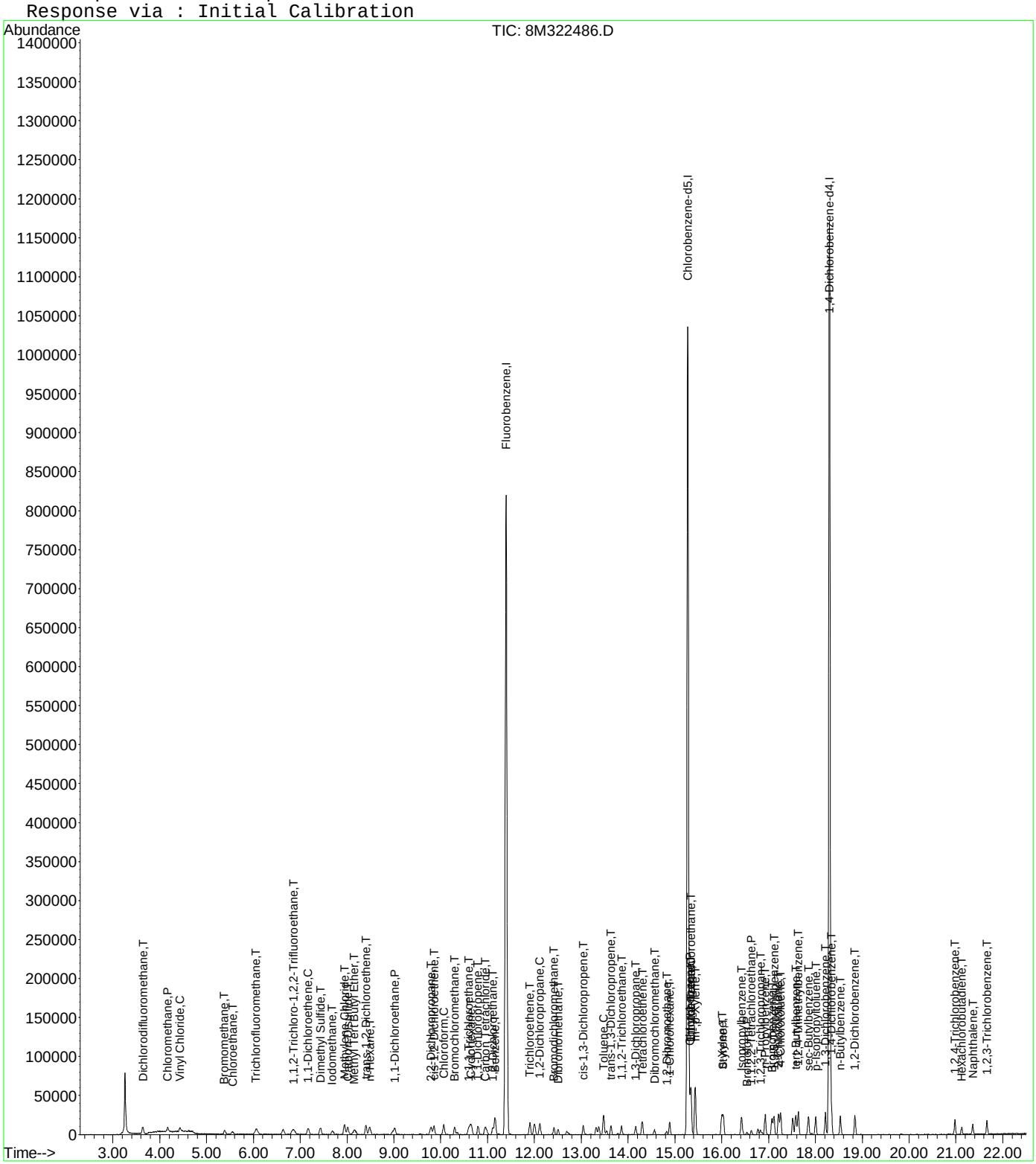
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
57)	1,1,1,2-Tetrachloroethane	15.35	131	6666	0.9590	ug/L		100
58)	Ethylbenzene	15.35	106	9773	0.8997	ug/L		95
59)	m-,p-Xylene	15.43	106	24166	2.0164	ug/L		97
60)	o-Xylene	16.01	106	9706	0.7496	ug/L		94
61)	Styrene	16.04	104	16016	1.2916	ug/L		95
62)	Bromoform	16.54	173	2425	1.6438	ug/L		97
63)	Isopropylbenzene	16.43	105	22771	1.2341	ug/L		96
65)	1,1,2,2-Tetrachloroethane	16.63	83	4970	0.9960	ug/L	#	90
67)	1,2,3-Trichloropropane	16.83	110	1328	0.8404	ug/L	#	1
69)	n-Propylbenzene	16.93	91	29269	0.7258	ug/L		98
70)	Bromobenzene	17.07	156	7521	0.9630	ug/L		53
71)	1,3,5-Trimethylbenzene	17.12	105	19988	0.9992	ug/L		99
72)	2-Chlorotoluene	17.21	91	22060	0.8346	ug/L		93
73)	4-Chlorotoluene	17.26	91	23370	0.8666	ug/L		93
75)	tert-Butylbenzene	17.57	134	4206	0.7310	ug/L		88
76)	1,2,4-Trimethylbenzene	17.63	105	24307	0.7849	ug/L		98
77)	sec-Butylbenzene	17.86	105	25272	0.7400	ug/L		95
78)	p-Isopropyltoluene	18.01	119	19995	1.0447	ug/L		96
79)	1,3-Dichlorobenzene	18.21	146	15478	0.9343	ug/L		93
80)	1,4-Dichlorobenzene	18.35	146	16821	0.9625	ug/L		98
81)	n-Butylbenzene	18.53	91	19737	0.7428	ug/L		96
82)	1,2-Dichlorobenzene	18.84	146	13289	0.9122	ug/L		94
84)	1,2,4-Trichlorobenzene	20.98	180	8814	0.9101	ug/L		96
85)	Hexachlorobutadiene	21.13	225	2832	0.8454	ug/L		93
86)	Naphthalene	21.36	128	12919	0.7328	ug/L		98
87)	1,2,3-Trichlorobenzene	21.67	180	7874	0.9452	ug/L		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\091305\8M322486.D Vial: 6
Acq On : 13 Sep 2005 10:19 Operator: CMS
Sample : WG196546-04 1ug/L STD 8260 Inst : HPMS8
Misc : 1,1 SV14649 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 8:29 2005 Quant Results File: 8260BWT.RES

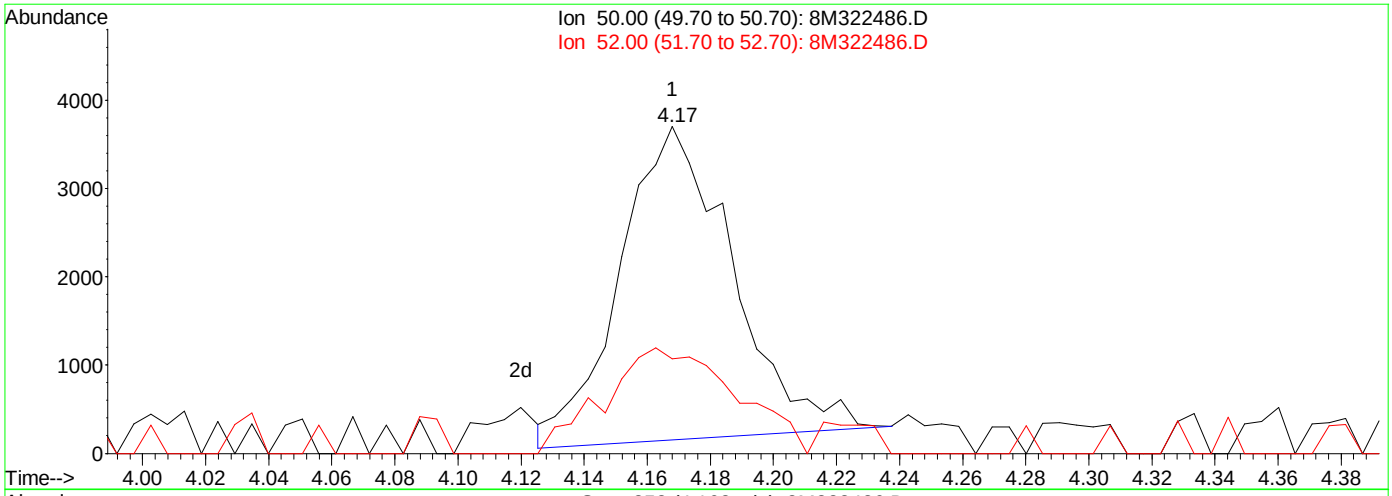
Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Initial Calibration

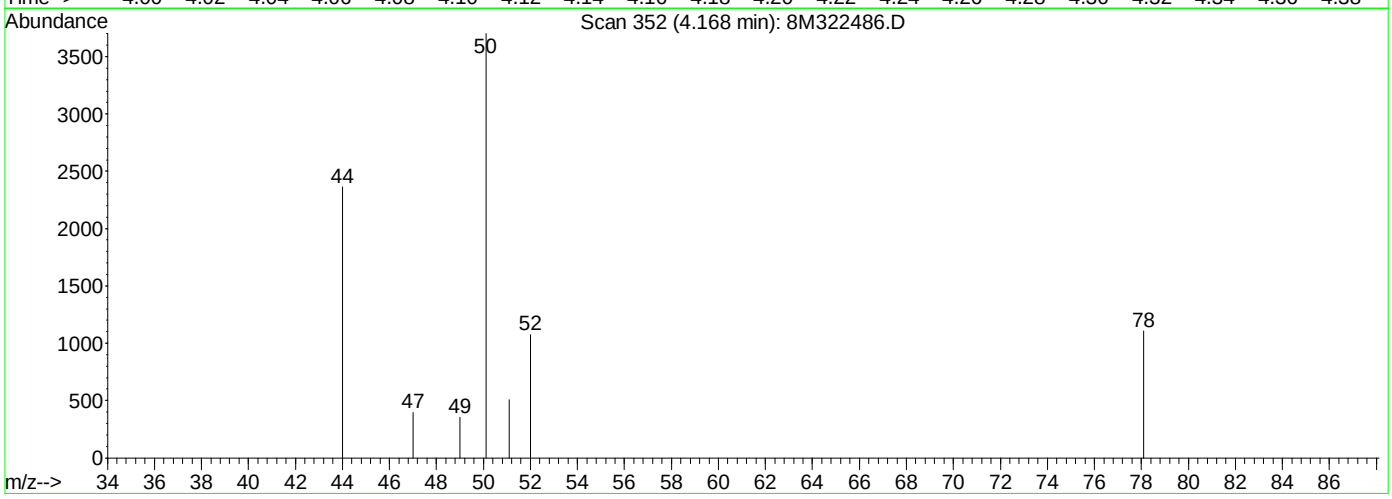


Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\091305\8M322486.D Vial: 6
Acq On : 13 Sep 2005 10:19 Operator: CMS
Sample : WG196546-04 1ug/L STD 8260 Inst : HPMS8
Misc : 1,1 SV14649 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 8:28 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Multiple Level Calibration





TIC: 8M322486.D

(3) Chloromethane (P)

4.17min 1.09ug/L

response 8824

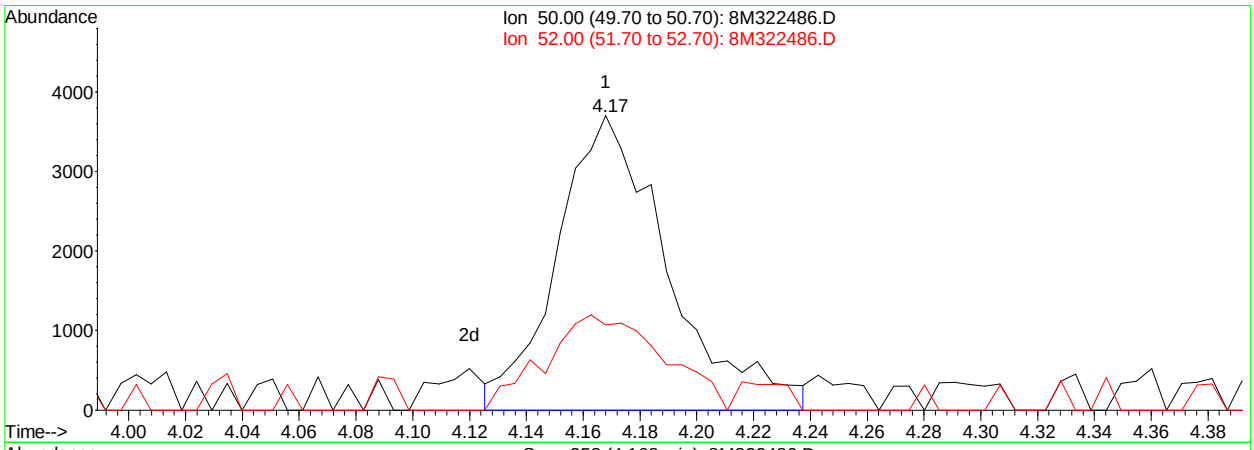
Ion	Exp%	Act%
50.00	100	100
52.00	32.10	39.11
0.00	0.00	0.00
0.00	0.00	0.00

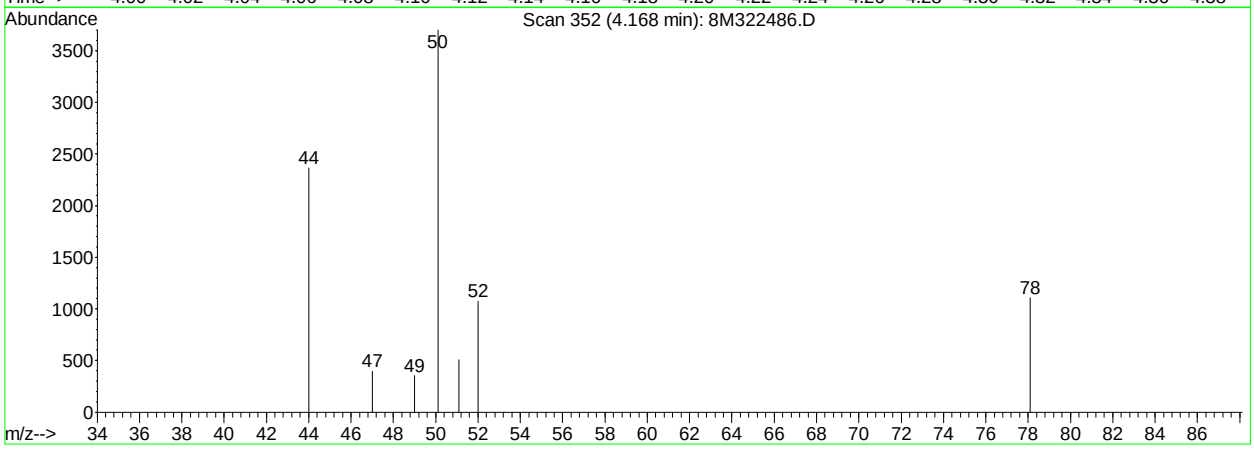
8M322486.D 8260BWT.M Wed Sep 14 08:28:48 2005

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\091305\8M322486.D Vial: 6
Acq On : 13 Sep 2005 10:19 Operator: CMS
Sample : WG196546-04 1ug/L STD 8260 Inst : HPMS8
Misc : 1,1 SV14649 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 8:28 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Multiple Level Calibration





TIC: 8M322486.D

(3) Chloromethane (P)

4.17min 1.09ug/L

response 8824

Ion	Exp%	Act%
50.00	100	100
52.00	32.10	39.11
0.00	0.00	0.00
0.00	0.00	0.00

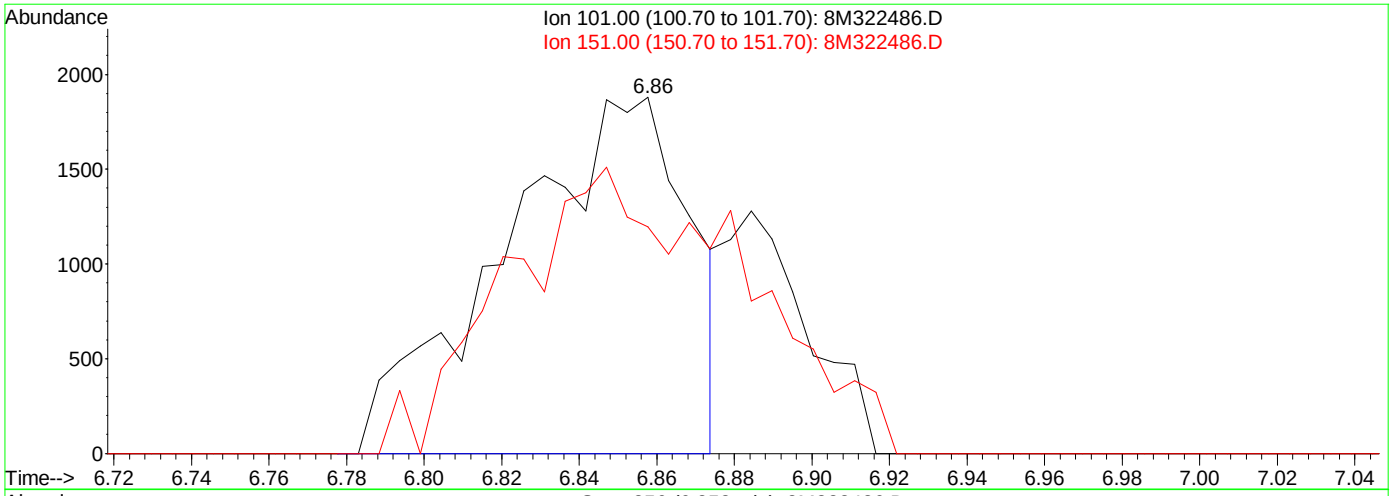
8M322486.D 8260BWT.M Wed Sep 14 08:28:55 2005

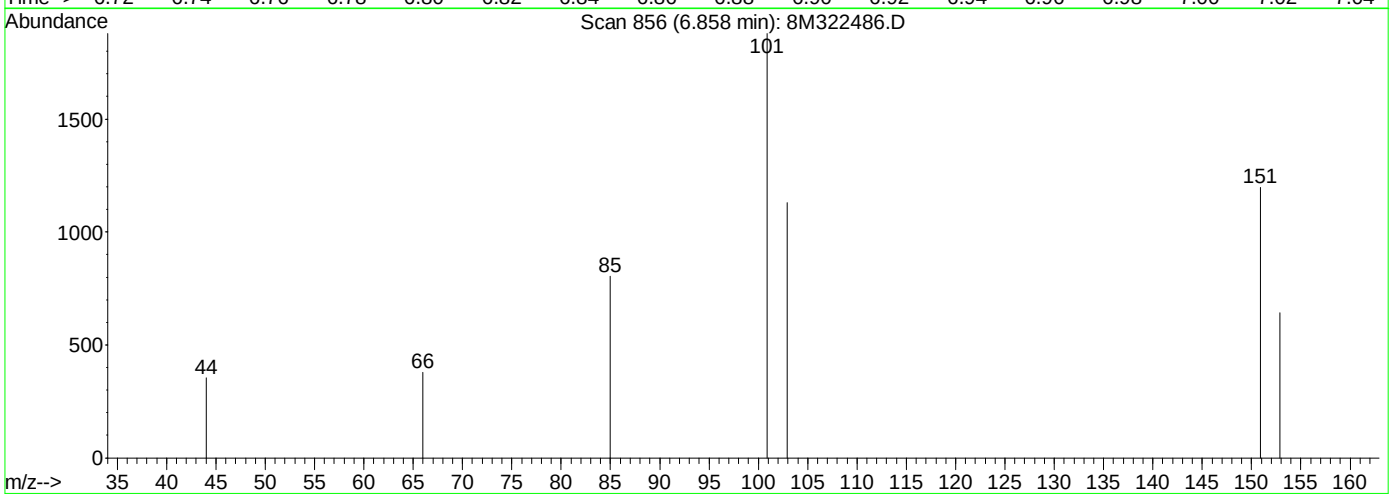
Approved: September 14, 2005	Supervisor: September 14, 2005
Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak	
Crystal Stevens	

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\091305\8M322486.D Vial: 6
Acq On : 13 Sep 2005 10:19 Operator: CMS
Sample : WG196546-04 1ug/L STD 8260 Inst : HPMS8
Misc : 1,1 SV14649 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 8:28 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Single Level Calibration





TIC: 8M322486.D

(10) 1,1,2-Trichloro-1,2,2-Trifluoroethane (T)

6.86min 0.71ug/L

response 6215

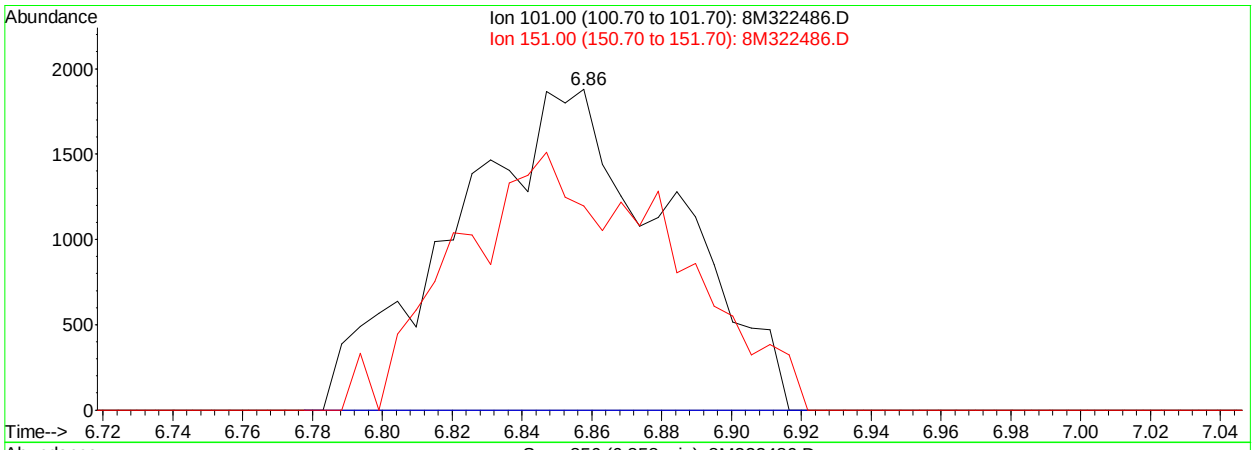
Ion	Exp%	Act%
101.00	100	100
151.00	82.80	65.65
0.00	0.00	0.00
0.00	0.00	0.00

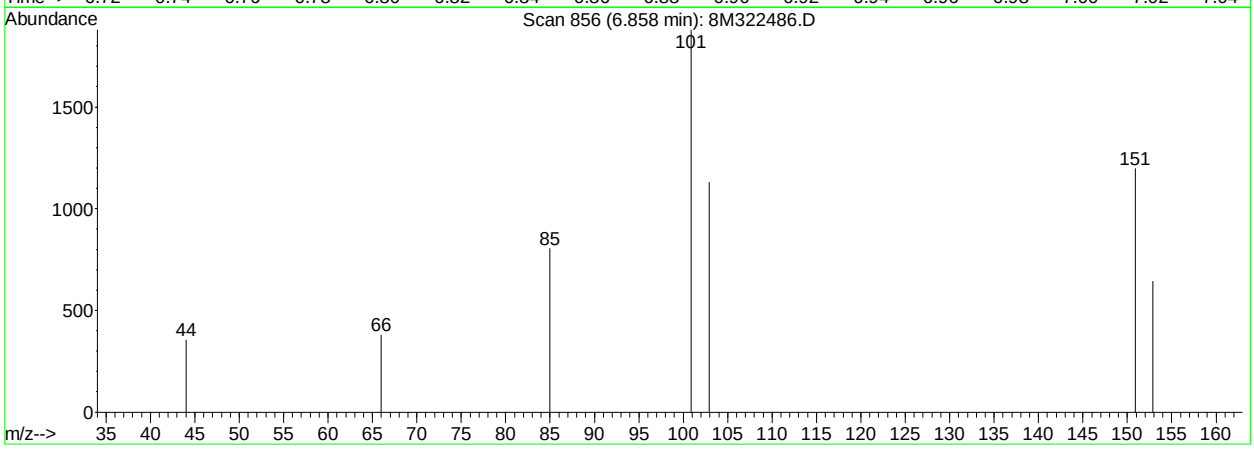
8M322486.D 8260BWT.M Wed Sep 14 08:29:01 2005

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\091305\8M322486.D Vial: 6
Acq On : 13 Sep 2005 10:19 Operator: CMS
Sample : WG196546-04 1ug/L STD 8260 Inst : HPMS8
Misc : 1,1 SV14649 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 8:29 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Single Level Calibration





TIC: 8M322486.D

(10) 1,1,2-Trichloro-1,2,2-Trifluoroethane (T)

6.86min 0.93ug/L m

response 8092

Ion	Exp%	Act%
101.00	100	100
151.00	82.80	50.42
0.00	0.00	0.00
0.00	0.00	0.00

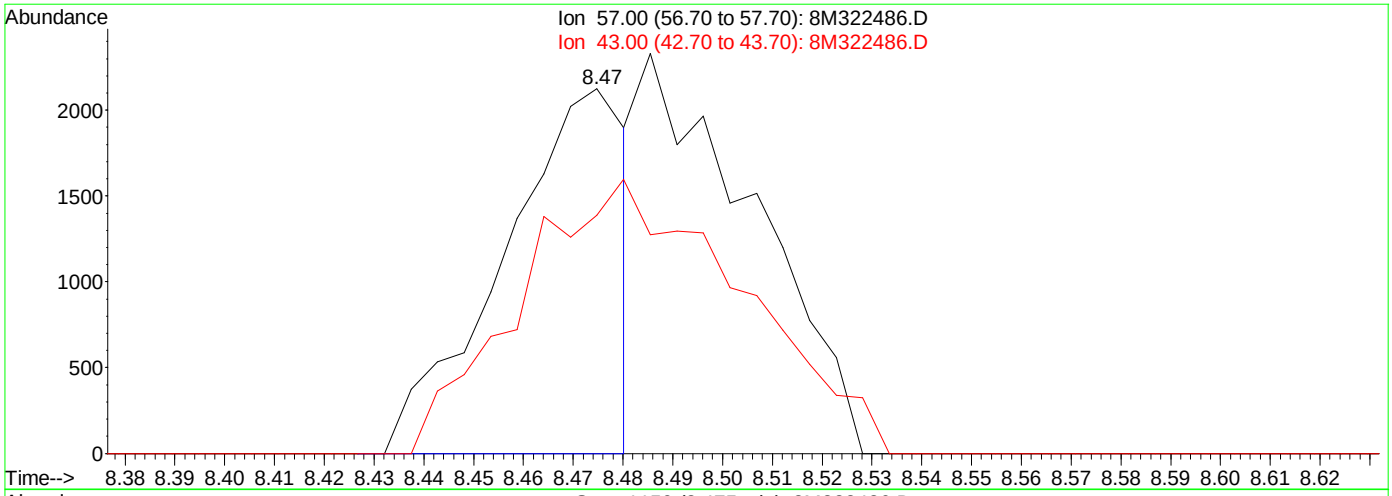
8M322486.D 8260BWT.M Wed Sep 14 08:29:05 2005

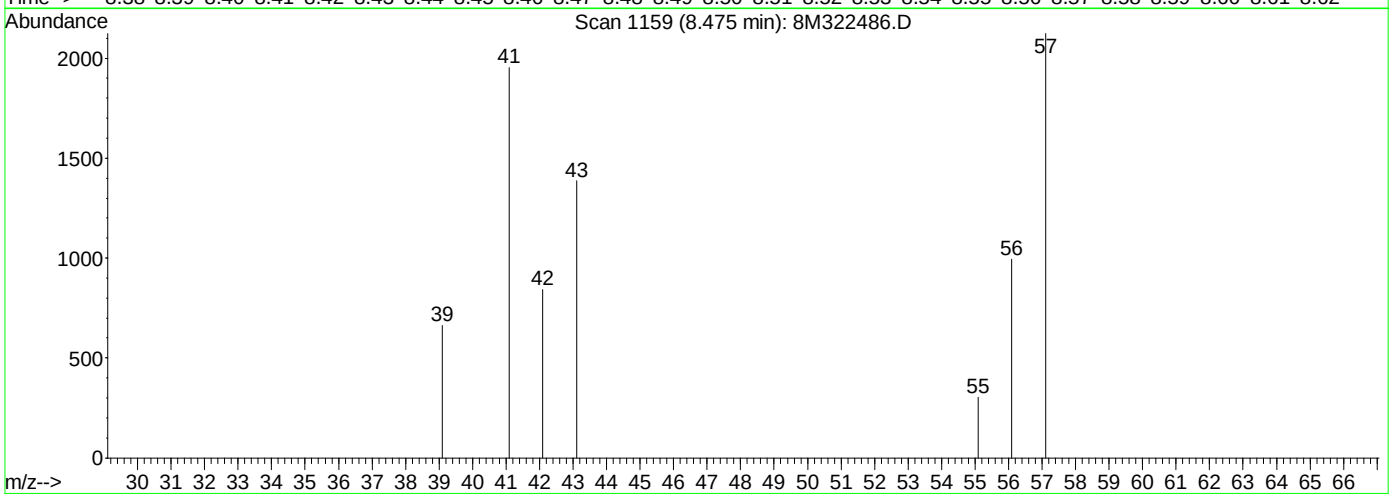
Approved: September 14, 2005	Supervisor: September 14, 2005
Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak	
Crystal Stevens	

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\091305\8M322486.D Vial: 6
Acq On : 13 Sep 2005 10:19 Operator: CMS
Sample : WG196546-04 1ug/L STD 8260 Inst : HPMS8
Misc : 1,1 SV14649 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 8:29 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Single Level Calibration





TIC: 8M322486.D

(20) n-Hexane (T)

8.47min 0.39ug/L

response 3676

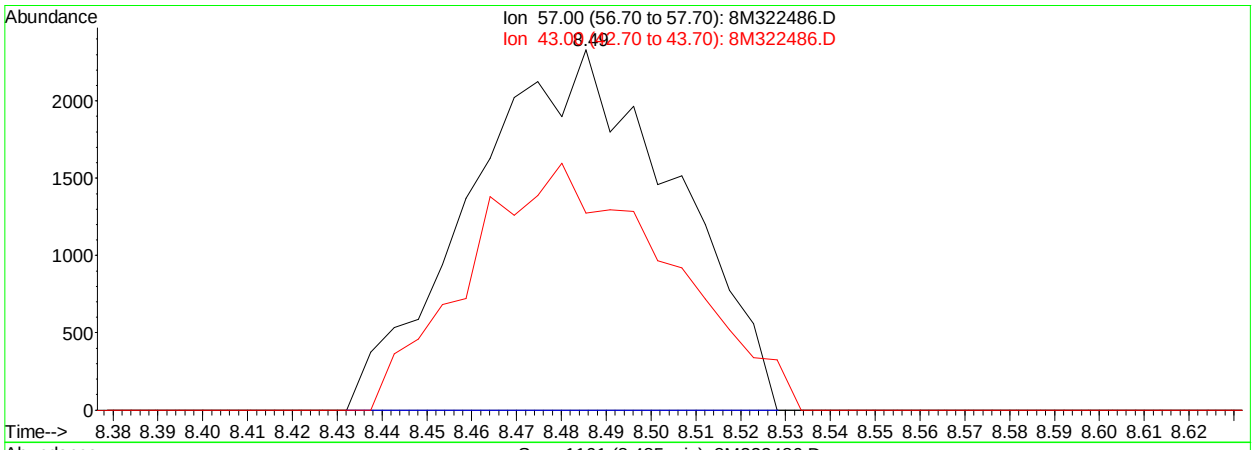
Ion	Exp%	Act%
57.00	100	100
43.00	69.20	134.96#
0.00	0.00	0.00
0.00	0.00	0.00

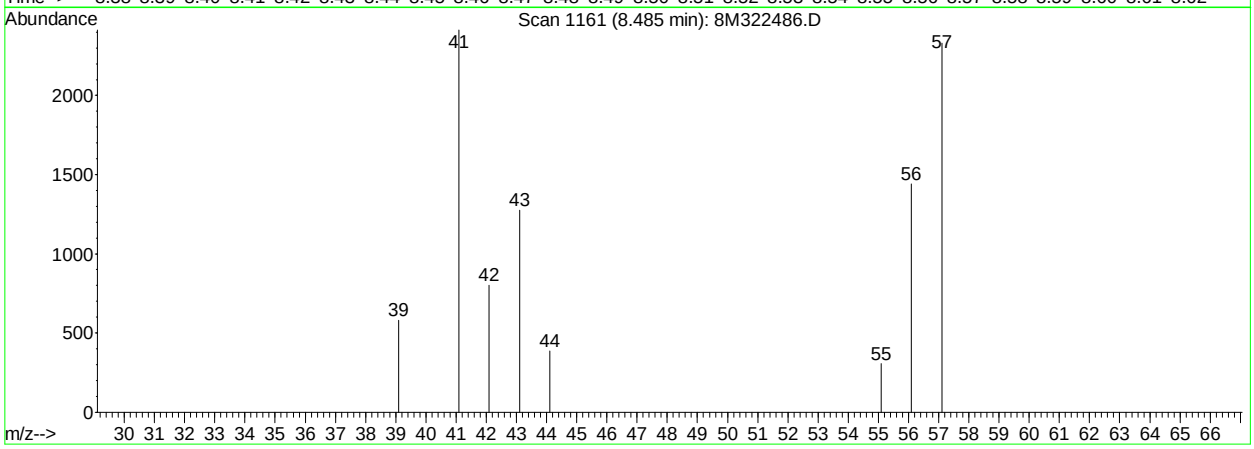
8M322486.D 8260BWT.M Wed Sep 14 08:29:12 2005

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\091305\8M322486.D Vial: 6
Acq On : 13 Sep 2005 10:19 Operator: CMS
Sample : WG196546-04 1ug/L STD 8260 Inst : HPMS8
Misc : 1,1 SV14649 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 8:29 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Single Level Calibration





TIC: 8M322486.D

(20) n-Hexane (T)

8.49min 0.78ug/L m

response 7390

Ion	Exp%	Act%
57.00	100	100
43.00	69.20	67.13
0.00	0.00	0.00
0.00	0.00	0.00

8M322486.D 8260BWT.M Wed Sep 14 08:29:17 2005

Approved: September 14, 2005	Supervisor: September 14, 2005
Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak	
Crystal Stevens	

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\091305\8M322487.D Vial: 7
Acq On : 13 Sep 2005 10:52 Operator: CMS
Sample : WG196546-03 0.40ug/L STD 8260 Inst : HPMS8
Misc : 1,1 SV14649 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 08:25:06 2005 Quant Results File: 8260BWT.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Initial Calibration
DataAcq Meth : 8260WT

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	11.40	96	955751	25.00 ug/L	0.00
44) Chlorobenzene-d5	15.28	117	691242	25.00 ug/L	0.00
64) 1,4-Dichlorobenzene-d4	18.30	152	369705	25.00 ug/L	0.00

System Monitoring Compounds					
28) Dibromofluoromethane	0.00	111	0	0.0000 ug/L	
Spiked Amount 25.000	Range 86 - 118		Recovery	= 0.00%#	
33) 1,2-Dichloroethane-d4	0.00	65	0	0.0000 ug/L	
Spiked Amount 25.000	Range 80 - 120		Recovery	= 0.00%#	
45) Toluene-d8	0.00	98	0	0.0000 ug/L	
Spiked Amount 25.000	Range 88 - 110		Recovery	= 0.00%#	
66) p-Bromofluorobenzene	0.00	95	0	0.0000 ug/L	
Spiked Amount 25.000	Range 86 - 115		Recovery	= 0.00%#	

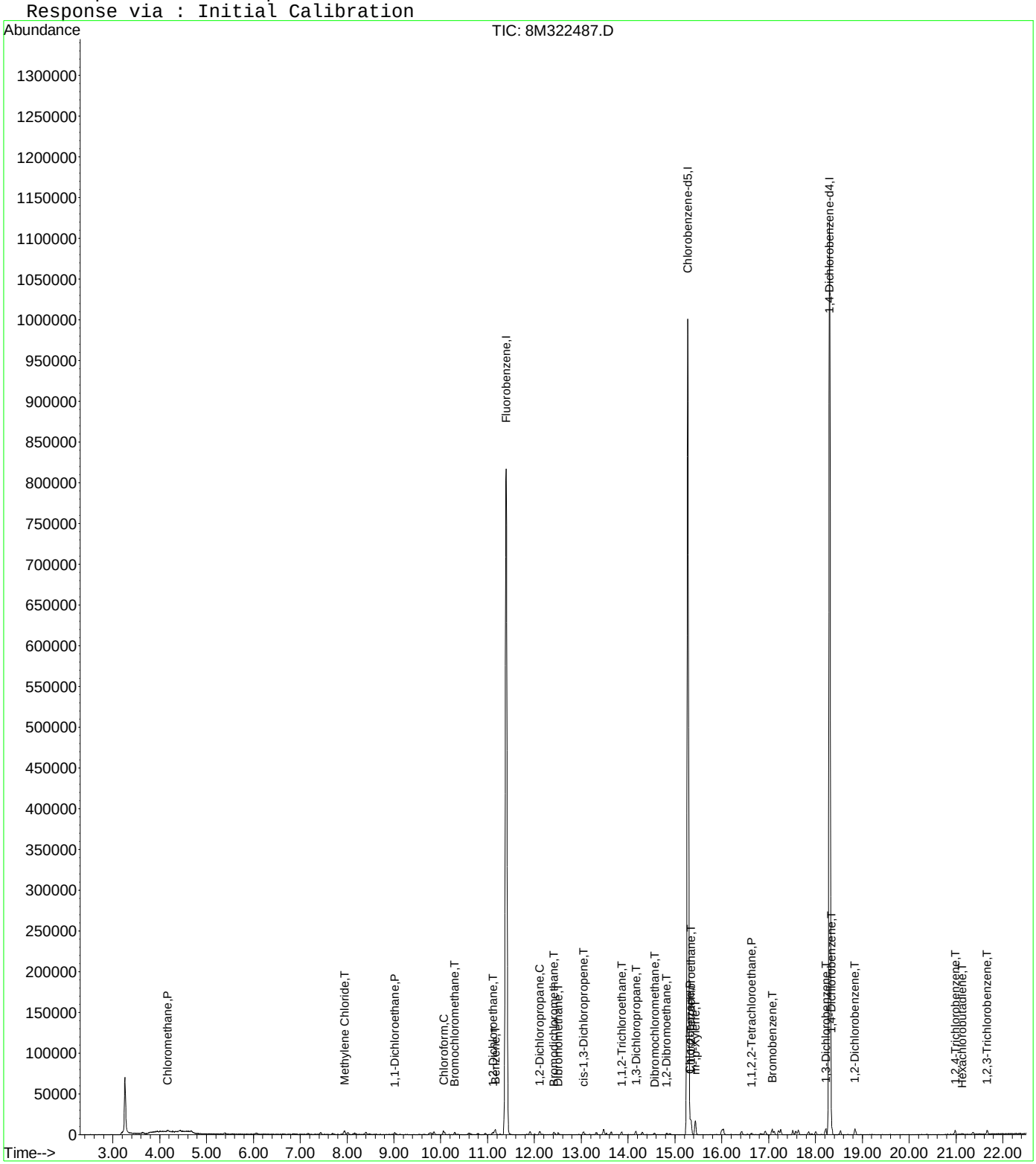
Target Compounds					Qvalue
3) Chloromethane	4.16	50	3291	0.4178 ug/L #	65
4) Vinyl Chloride	4.43	62	1922	Below Cal #	44
15) Methylene Chloride	7.94	84	2769	0.3810 ug/L	83
22) 1,1-Dichloroethane	9.02	63	4025	0.2936 ug/L #	50
26) Chloroform	10.06	83	4406	0.3189 ug/L	95
27) Bromochloromethane	10.30	130	1279	0.3101 ug/L	80
34) 1,2-Dichloroethane	11.11	62	3720	0.3634 ug/L #	83
35) Benzene	11.17	78	8034	0.2907 ug/L	95
37) 1,2-Dichloropropane	12.12	63	2248	0.3184 ug/L	90
38) Bromodichloromethane	12.42	83	2813	0.2980 ug/L #	88
39) Dibromomethane	12.51	93	1103	0.3266 ug/L #	72
42) cis-1,3-Dichloropropene	13.05	75	2744	0.7950 ug/L #	51
49) 1,1,2-Trichloroethane	13.86	97	1741	0.3700 ug/L	75
51) 1,3-Dichloropropane	14.17	76	2919	0.3566 ug/L	98
53) Dibromochloromethane	14.57	129	1609	0.8840 ug/L	94
54) 1,2-Dibromoethane	14.83	107	1426	0.3241 ug/L	91
56) Chlorobenzene	15.33	112	7341	0.3710 ug/L	94
57) 1,1,1,2-Tetrachloroethane	15.35	131	2067	0.3086 ug/L	96
59) m-,p-Xylene	15.44	106	6692	0.9474 ug/L	98
65) 1,1,2,2-Tetrachloroethane	16.63	83	1312	0.2776 ug/L #	84
70) Bromobenzene	17.07	156	2108	0.2850 ug/L #	51
79) 1,3-Dichlorobenzene	18.21	146	4816	0.3069 ug/L	98
80) 1,4-Dichlorobenzene	18.34	146	5936	0.3586 ug/L #	1
82) 1,2-Dichlorobenzene	18.84	146	4891	0.3545 ug/L	97
84) 1,2,4-Trichlorobenzene	20.98	180	2852	0.3109 ug/L	98
85) Hexachlorobutadiene	21.13	225	816	0.3075 ug/L #	27
87) 1,2,3-Trichlorobenzene	21.66	180	2817	0.3570 ug/L	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\091305\8M322487.D Vial: 7
Acq On : 13 Sep 2005 10:52 Operator: CMS
Sample : WG196546-03 0.40ug/L STD 8260 Inst : HPMS8
Misc : 1,1 SV14649 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 8:27 2005 Quant Results File: 8260BWT.RES

Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\091305\8M322488.D Vial: 8
Acq On : 13 Sep 2005 11:22 Operator: CMS
Sample : WG196546-02 0.30ug/L STD 8260 Inst : HPMS8
Misc : 1,1 SV14649 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 08:23:39 2005 Quant Results File: 8260BWT.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Initial Calibration
DataAcq Meth : 8260WT

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	11.39	96	920254	25.00 ug/L	0.00
44) Chlorobenzene-d5	15.27	117	666869	25.00 ug/L	0.00
64) 1,4-Dichlorobenzene-d4	18.30	152	359552	25.00 ug/L	0.00

System Monitoring Compounds

28) Dibromofluoromethane	0.00	111	0	0.0000 ug/L	
Spiked Amount 25.000	Range 86 - 118		Recovery	=	0.00%#
33) 1,2-Dichloroethane-d4	0.00	65	0	0.0000 ug/L	
Spiked Amount 25.000	Range 80 - 120		Recovery	=	0.00%#
45) Toluene-d8	0.00	98	0	0.0000 ug/L	
Spiked Amount 25.000	Range 88 - 110		Recovery	=	0.00%#
66) p-Bromofluorobenzene	0.00	95	0	0.0000 ug/L	
Spiked Amount 25.000	Range 86 - 115		Recovery	=	0.00%#

Target Compounds

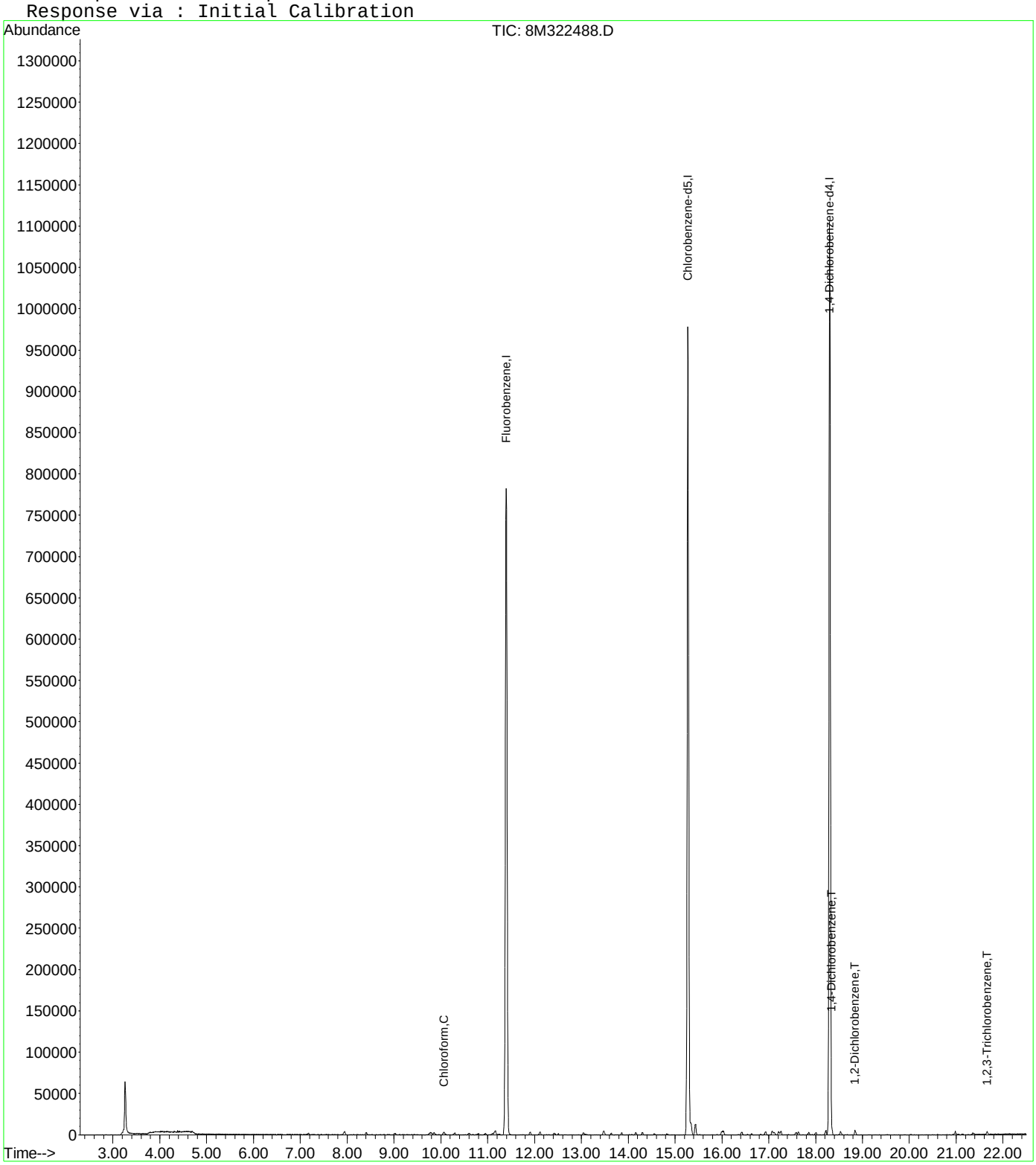
					Qvalue
26) Chloroform	10.06	83	3696	0.2778 ug/L	100
80) 1,4-Dichlorobenzene	18.34	146	4849	0.3012 ug/L #	1
82) 1,2-Dichlorobenzene	18.84	146	3504	0.2611 ug/L	98
87) 1,2,3-Trichlorobenzene	21.66	180	1932	0.2518 ug/L #	82

(#) = qualifier out of range (m) = manual integration
8M322488.D 8260BWT.M Wed Sep 14 08:24:50 2005 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\091305\8M322488.D Vial: 8
Acq On : 13 Sep 2005 11:22 Operator: CMS
Sample : WG196546-02 0.30ug/L STD 8260 Inst : HPMS8
Misc : 1,1 SV14649 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 8:24 2005 Quant Results File: 8260BWT.RES

Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\data\091305\8M322489.D Vial: 9
Acq On : 13 Sep 2005 11:54 Operator: CMS
Sample : WG196546-07 20ug/L STD 8260 Inst : HPMS8
Misc : 1,1 SV14649 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 13 12:17:07 2005 Quant Results File: 8260WT.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260WT.M (RTE Integrator)
Title : Method 8260B Water Analysis 08/08/2005 - HPMS 8
Last Update : Wed Aug 31 09:16:23 2005
Response via : Initial Calibration
DataAcq Meth : 8260WT

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	11.39	96	959292	25.00 ug/L	0.00
44) Chlorobenzene-d5	15.27	117	713786	25.00 ug/L	0.00
64) 1,4-Dichlorobenzene-d4	18.30	152	403115	25.00 ug/L	0.00
System Monitoring Compounds					
28) Dibromofluoromethane	10.35	111	81494	11.8454 ug/L	0.00
Spiked Amount 25.000	Range 86 - 118		Recovery = 47.40%#		
33) 1,2-Dichloroethane-d4	10.99	65	88863	12.6972 ug/L	0.00
Spiked Amount 25.000	Range 80 - 120		Recovery = 50.80%#		
45) Toluene-d8	13.37	98	292169	10.9432 ug/L	0.00
Spiked Amount 25.000	Range 88 - 110		Recovery = 43.76%#		
66) p-Bromofluorobenzene	16.77	95	115275	9.3862 ug/L	0.00
Spiked Amount 25.000	Range 86 - 115		Recovery = 37.56%#		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.64	85	251052	26.1196 ug/L	96
3) Chloromethane	4.17	50	158730	30.8409 ug/L	98
4) Vinyl Chloride	4.42	62	119370	35.6884 ug/L	99
5) Bromomethane	5.38	94	106604	20.4319 ug/L	100
6) Chloroethane	5.55	64	115261	21.1226 ug/L	97
7) Trichlorofluoromethane	6.06	101	328537	26.1312 ug/L	99
8) Isoprene	6.64	67	148569	19.1383 ug/L	90
9) Acrolein	6.83	56	11142	36.6649 ug/L	98
10) 1,1,2-Trichloro-1,2,2-Trif	6.85	101	180179	23.5007 ug/L	96
11) Acetone	6.93	43	24486	27.3764 ug/L	88
12) 1,1-Dichloroethene	7.17	61	260785	23.3755 ug/L	91
13) Dimethyl Sulfide	7.43	62	160054	19.1411 ug/L	92
14) Iodomethane	7.69	142	168244	22.0003 ug/L	92
15) Methylene Chloride	7.94	84	149925	19.7592 ug/L	90
16) Carbon Disulfide	8.02	76	431980	20.3280 ug/L	100
17) Acrylonitrile	8.11	53	31598	21.5179 ug/L	95
18) Methyl Tert Butyl Ether	8.15	73	294325	20.3754 ug/L	99
19) trans-1,2-Dichloroethene	8.40	61	245244	22.8527 ug/L	93
20) n-Hexane	8.48	57	199121	20.8378 ug/L	98
21) Vinyl Acetate	8.97	43	237198	28.5408 ug/L	99
22) 1,1-Dichloroethane	9.02	63	303149	22.3514 ug/L	99
23) 2-Butanone	9.55	43	30797	21.6745 ug/L	94
24) 2,2-Dichloropropane	9.79	77	265066	23.6184 ug/L	100
25) cis-1,2-Dichloroethene	9.86	61	274343	23.8808 ug/L	91
26) Chloroform	10.06	83	306339	24.1891 ug/L	100
27) Bromochloromethane	10.30	130	90210	22.4868 ug/L	95
29) 1,1,1-Trichloroethane	10.60	97	292959	24.9635 ug/L	94
30) Cyclohexane	10.65	56	275990	21.6257 ug/L	97
31) 1,1-Dichloropropene	10.80	75	228355	22.8033 ug/L	97
32) Carbon Tetrachloride	10.95	117	264854	26.3812 ug/L	99
34) 1,2-Dichloroethane	11.11	62	223801	25.7271 ug/L	91
35) Benzene	11.16	78	615507	20.5660 ug/L	97
36) Trichloroethene	11.91	130	163890	20.8943 ug/L	97
37) 1,2-Dichloropropane	12.11	63	155037	21.1984 ug/L	93
38) Bromodichloromethane	12.42	83	208268	23.6119 ug/L	100
39) Dibromomethane	12.50	93	75168	23.0494 ug/L	84
40) 2-Chloroethyl Vinyl Ether	12.69	63	61122	20.3265 ug/L	100
41) 4-Methyl-2-Pentanone	12.72	58	29299	20.5902 ug/L	99
42) cis-1,3-Dichloropropene	13.04	75	236506	21.7815 ug/L	99
43) Dimethyl Disulfide	13.32	94	246895	21.1136 ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\data\091305\8M322489.D Vial: 9
Acq On : 13 Sep 2005 11:54 Operator: CMS
Sample : WG196546-07 20ug/L STD 8260 Inst : HPMS8
Misc : 1,1 SV14649 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 13 12:17:07 2005 Quant Results File: 8260WT.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260WT.M (RTE Integrator)
Title : Method 8260B Water Analysis 08/08/2005 - HPMS 8
Last Update : Wed Aug 31 09:16:23 2005
Response via : Initial Calibration
DataAcq Meth : 8260WT

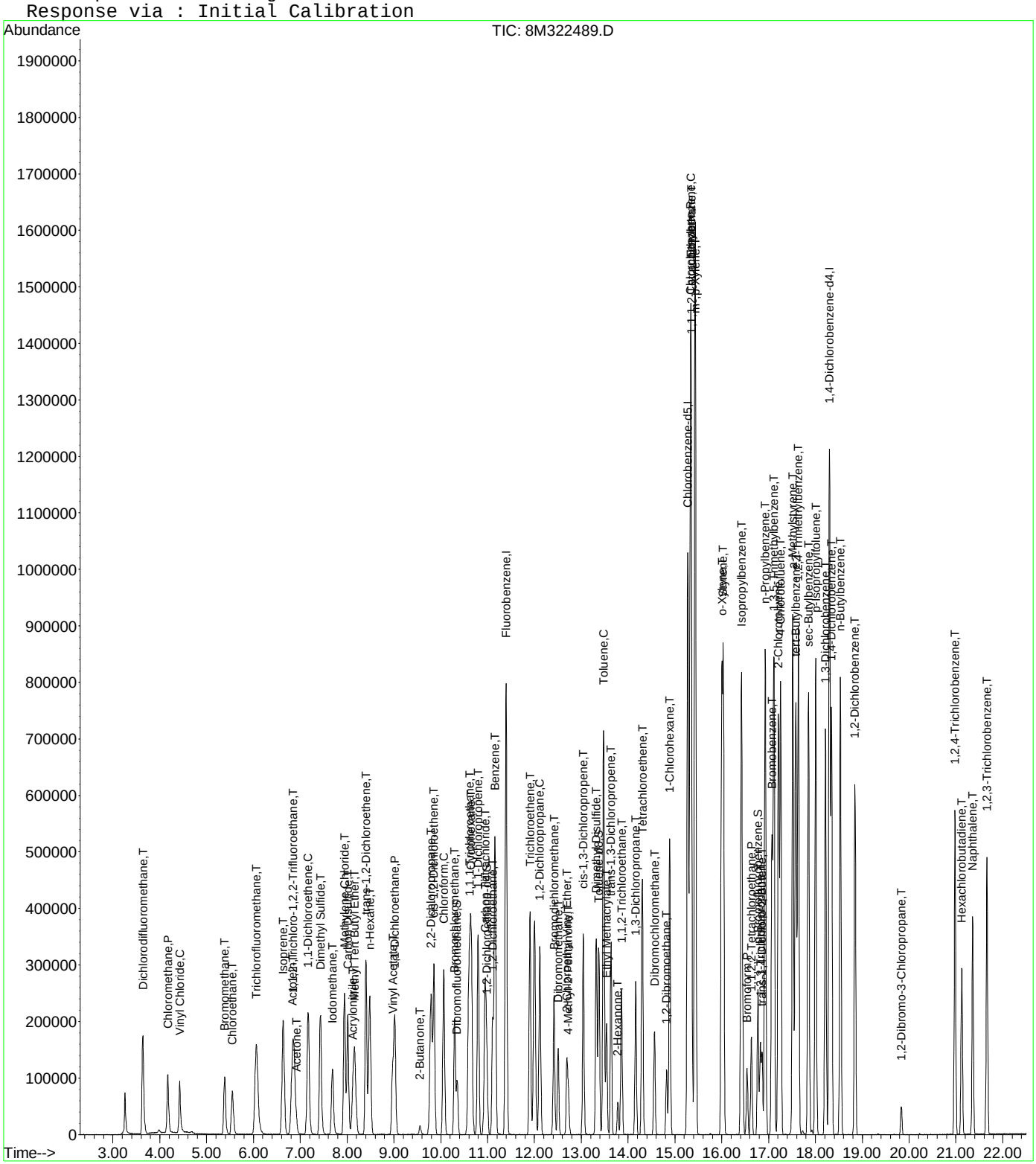
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Toluene	13.47	91	678704	21.5322	ug/L		99
47)	Ethyl Methacrylate	13.54	69	123979	20.4939	ug/L		99
48)	trans-1,3-Dichloropropene	13.63	75	212776	23.4627	ug/L		97
49)	1,1,2-Trichloroethane	13.86	97	103369	21.2461	ug/L		100
50)	2-Hexanone	13.78	43	50498	20.8981	ug/L	#	98
51)	1,3-Dichloropropane	14.16	76	182854	21.0976	ug/L		93
52)	Tetrachloroethene	14.31	164	134359	21.7454	ug/L		90
53)	Dibromochloromethane	14.56	129	129914	24.1086	ug/L		99
54)	1,2-Dibromoethane	14.82	107	98637	20.6573	ug/L		100
55)	1-Chlorohexane	14.89	91	211167	21.3653	ug/L		87
56)	Chlorobenzene	15.33	112	452739	22.0941	ug/L		93
57)	1,1,1,2-Tetrachloroethane	15.35	131	160167	25.5992	ug/L		99
58)	Ethylbenzene	15.34	106	245186	21.7746	ug/L		99
59)	m-,p-Xylene	15.43	106	618051	43.3651	ug/L		96
60)	o-Xylene	16.00	106	295724	21.4537	ug/L		97
61)	Styrene	16.03	104	498083	22.0557	ug/L		93
62)	Bromoform	16.54	173	73621	21.6090	ug/L		99
63)	Isopropylbenzene	16.42	105	739590	21.5578	ug/L		99
65)	1,1,2,2-Tetrachloroethane	16.63	83	111252	20.8838	ug/L		100
67)	1,2,3-Trichloropropane	16.83	110	34890	21.0414	ug/L	#	1
68)	trans-1,4-Dichloro-2-Buten	16.86	53	42044	22.2844	ug/L	#	1
69)	n-Propylbenzene	16.93	91	937545	20.3716	ug/L		99
70)	Bromobenzene	17.07	156	177689	20.2203	ug/L	#	46
71)	1,3,5-Trimethylbenzene	17.11	105	662955	20.6095	ug/L		96
72)	2-Chlorotoluene	17.21	91	581630	20.3959	ug/L		99
73)	4-Chlorotoluene	17.25	91	617513	21.6987	ug/L		93
74)	a-Methylstyrene	17.51	118	369602	21.2488	ug/L		97
75)	tert-Butylbenzene	17.58	134	131837	19.5628	ug/L		64
76)	1,2,4-Trimethylbenzene	17.64	105	710756	21.0819	ug/L		96
77)	sec-Butylbenzene	17.85	105	782024	19.1781	ug/L		99
78)	p-Isopropyltoluene	18.01	119	666842	19.9132	ug/L		98
79)	1,3-Dichlorobenzene	18.21	146	376362	20.0047	ug/L		95
80)	1,4-Dichlorobenzene	18.34	146	388366	20.6249	ug/L		94
81)	n-Butylbenzene	18.53	91	615998	19.4142	ug/L		98
82)	1,2-Dichlorobenzene	18.84	146	329308	19.8979	ug/L		95
83)	1,2-Dibromo-3-Chloropropan	19.83	75	18067	20.0736	ug/L		90
84)	1,2,4-Trichlorobenzene	20.98	180	218395	18.6494	ug/L		99
85)	Hexachlorobutadiene	21.12	225	76476	16.2686	ug/L		92
86)	Naphthalene	21.36	128	387595	19.4983	ug/L		100
87)	1,2,3-Trichlorobenzene	21.66	180	186734	18.8581	ug/L		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\data\091305\8M322489.D Vial: 9
Acq On : 13 Sep 2005 11:54 Operator: CMS
Sample : WG196546-07 20ug/L STD 8260 Inst : HPMS8
Misc : 1,1 SV14649 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 13 12:17 2005 Quant Results File: 8260WT.RES

Method : C:\MSDCHEM\1\METHODS\8260WT.M (RTE Integrator)
Title : Method 8260B Water Analysis 08/08/2005 - HPMS 8
Last Update : Wed Aug 31 09:16:23 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\091305\8M322490.D Vial: 10
Acq On : 13 Sep 2005 12:24 Operator: CMS
Sample : WG196546-08 50ug/L STD 8260 Inst : HPMS8
Misc : 1,1 SV14649 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 08:37:46 2005 Quant Results File: 8260BWT.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Initial Calibration
DataAcq Meth : 8260WT

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	11.39	96	1022512	25.00 ug/L	0.00
44) Chlorobenzene-d5	15.27	117	768929	25.00 ug/L	0.00
64) 1,4-Dichlorobenzene-d4	18.30	152	428656	25.00 ug/L	0.00
System Monitoring Compounds					
28) Dibromofluoromethane	10.35	111	216935	25.8676 ug/L	0.00
Spiked Amount 25.000	Range 86 - 118		Recovery = 103.48%		
33) 1,2-Dichloroethane-d4	10.99	65	228243	25.6221 ug/L	0.00
Spiked Amount 25.000	Range 80 - 120		Recovery = 102.48%		
45) Toluene-d8	13.37	98	769620	25.8398 ug/L	0.00
Spiked Amount 25.000	Range 88 - 110		Recovery = 103.36%		
66) p-Bromofluorobenzene	16.77	95	316980	26.3588 ug/L	0.00
Spiked Amount 25.000	Range 86 - 115		Recovery = 105.44%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.63	85	636483	50.1859 ug/L	97
3) Chloromethane	4.17	50	388998	46.1637 ug/L	98
4) Vinyl Chloride	4.42	62	273949	50.4468 ug/L	100
5) Bromomethane	5.38	94	283192	48.1454 ug/L	100
6) Chloroethane	5.55	64	305765	50.8631 ug/L	98
7) Trichlorofluoromethane	6.07	101	846217	51.1224 ug/L	99
8) Isoprene	6.63	67	413222	53.7536 ug/L	90
9) Acrolein	6.82	56	32351	96.8524 ug/L	94
10) 1,1,2-Trichloro-1,2,2-Trif	6.85	101	465578	51.3216 ug/L	95
11) Acetone	6.93	43	56534	43.8240 ug/L	97
12) 1,1-Dichloroethene	7.17	61	687353	53.9089 ug/L	93
13) Dimethyl Sulfide	7.43	62	438004	53.9642 ug/L	94
14) Iodomethane	7.69	142	465000	56.2931 ug/L	93
15) Methylene Chloride	7.94	84	394728	50.7659 ug/L	92
16) Carbon Disulfide	8.02	76	1158222	51.8615 ug/L	100
17) Acrylonitrile	8.11	53	87249	52.6016 ug/L	97
18) Methyl Tert Butyl Ether	8.15	73	804030	54.1943 ug/L	99
19) trans-1,2-Dichloroethene	8.40	61	649667	53.3365 ug/L	93
20) n-Hexane	8.48	57	533715	54.3498 ug/L	98
21) Vinyl Acetate	8.97	43	653450	54.4568 ug/L	99
22) 1,1-Dichloroethane	9.01	63	799633	54.5132 ug/L	99
23) 2-Butanone	9.56	43	88285	52.6760 ug/L	95
24) 2,2-Dichloropropane	9.79	77	709180	54.7596 ug/L	99
25) cis-1,2-Dichloroethene	9.86	61	631240	49.8036 ug/L	98
26) Chloroform	10.06	83	796330	53.8721 ug/L	100
27) Bromochloromethane	10.30	130	232743	52.7391 ug/L	95
29) 1,1,1-Trichloroethane	10.60	97	764736	53.4469 ug/L	96
30) Cyclohexane	10.65	56	736972	55.1680 ug/L	98
31) 1,1-Dichloropropene	10.80	75	600015	54.7596 ug/L	98
32) Carbon Tetrachloride	10.95	117	690208	54.0252 ug/L	99
34) 1,2-Dichloroethane	11.11	62	571283	52.1642 ug/L	93
35) Benzene	11.16	78	1614888	54.6268 ug/L	98
36) Trichloroethene	11.91	130	433262	52.7944 ug/L	97
37) 1,2-Dichloropropane	12.11	63	403443	53.4140 ug/L	93
38) Bromodichloromethane	12.42	83	556240	55.0857 ug/L	100
39) Dibromomethane	12.50	93	193878	53.6522 ug/L	86
40) 2-Chloroethyl Vinyl Ether	12.69	63	173638	48.5507 ug/L	100
41) 4-Methyl-2-Pentanone	12.72	58	80489	52.4511 ug/L	99
42) cis-1,3-Dichloropropene	13.04	75	641211	49.5007 ug/L	99
43) Dimethyl Disulfide	13.32	94	693855	53.4347 ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\091305\8M322490.D Vial: 10
Acq On : 13 Sep 2005 12:24 Operator: CMS
Sample : WG196546-08 50ug/L STD 8260 Inst : HPMS8
Misc : 1,1 SV14649 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 08:37:46 2005 Quant Results File: 8260BWT.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Initial Calibration
DataAcq Meth : 8260WT

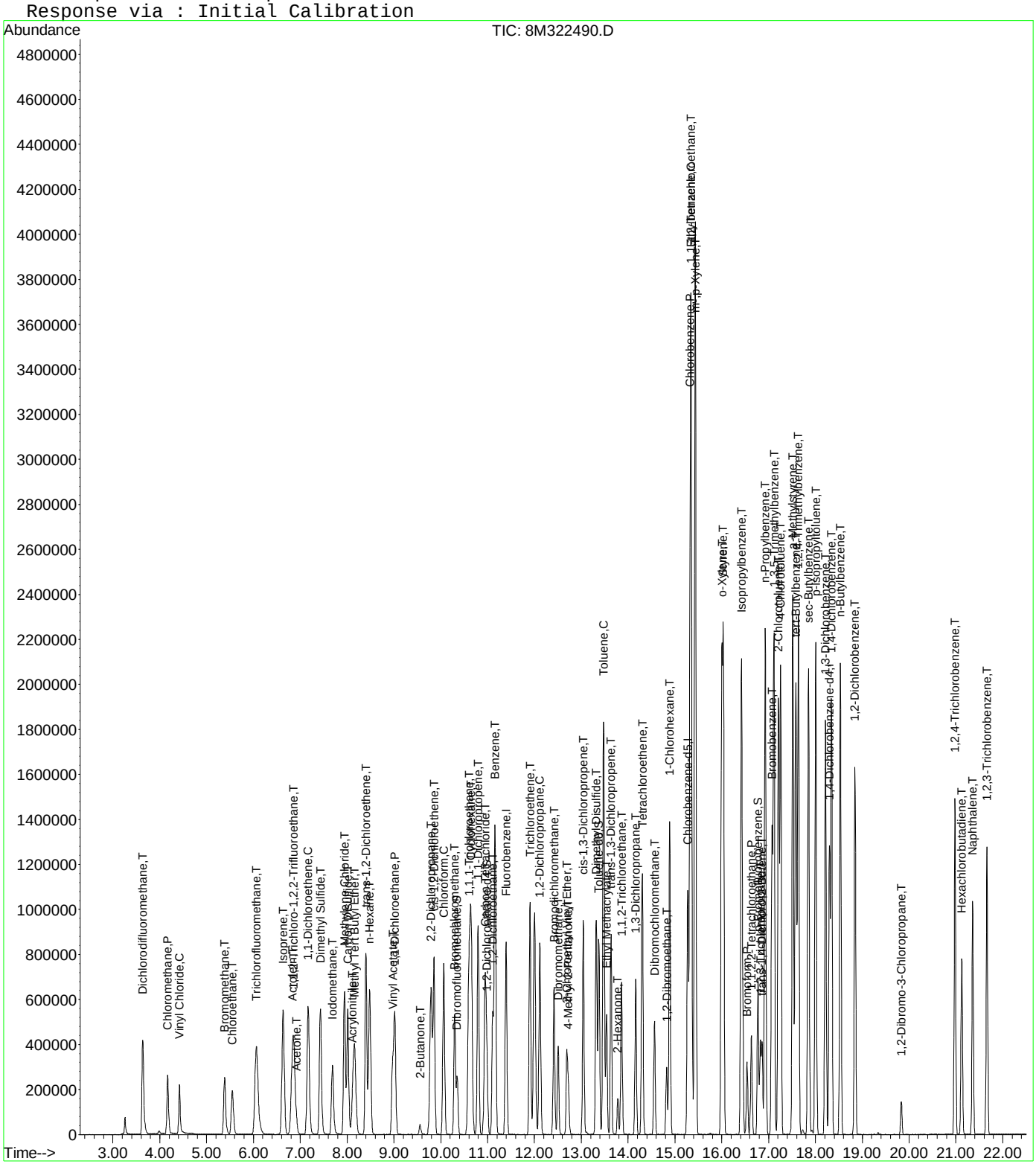
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46)	Toluene	13.47	91	1775422	53.5556 ug/L		99
47)	Ethyl Methacrylate	13.54	69	343463	55.2232 ug/L		98
48)	trans-1,3-Dichloropropene	13.63	75	567605	55.0948 ug/L		97
49)	1,1,2-Trichloroethane	13.86	97	272616	52.0891 ug/L		99
50)	2-Hexanone	13.78	43	143029	53.9615 ug/L	#	99
51)	1,3-Dichloropropane	14.16	76	479946	52.7024 ug/L		94
52)	Tetrachloroethene	14.30	164	353063	53.6313 ug/L		91
53)	Dibromochloromethane	14.56	129	349839	48.4864 ug/L		98
54)	1,2-Dibromoethane	14.82	107	265115	54.1706 ug/L		99
55)	1-Chlorohexane	14.89	91	568305	49.4023 ug/L		87
56)	Chlorobenzene	15.32	112	1142647	51.9089 ug/L		93
57)	1,1,1,2-Tetrachloroethane	15.35	131	406426	54.5560 ug/L		99
58)	Ethylbenzene	15.34	106	628057	53.9501 ug/L		98
59)	m-,p-Xylene	15.43	106	1586446	99.6616 ug/L		96
60)	o-Xylene	16.00	106	784556	56.5335 ug/L		96
61)	Styrene	16.04	104	1336389	49.7171 ug/L		95
62)	Bromoform	16.54	173	197878	48.1189 ug/L		98
63)	Isopropylbenzene	16.42	105	1982677	49.5471 ug/L		97
65)	1,1,2,2-Tetrachloroethane	16.63	83	288414	52.6334 ug/L		99
67)	1,2,3-Trichloropropane	16.83	110	91184	52.5482 ug/L	#	1
68)	trans-1,4-Dichloro-2-Buten	16.86	53	116615	53.4415 ug/L	#	1
69)	n-Propylbenzene	16.93	91	2476004	55.9078 ug/L		99
70)	Bromobenzene	17.07	156	463172	54.0039 ug/L	#	46
71)	1,3,5-Trimethylbenzene	17.11	105	1752625	50.1573 ug/L		96
72)	2-Chlorotoluene	17.21	91	1518683	52.3191 ug/L		97
73)	4-Chlorotoluene	17.25	91	1626210	54.9131 ug/L		93
74)	a-Methylstyrene	17.51	118	1011849	53.3586 ug/L		97
75)	tert-Butylbenzene	17.58	134	349872	55.3711 ug/L		63
76)	1,2,4-Trimethylbenzene	17.64	105	1843330	54.1999 ug/L		96
77)	sec-Butylbenzene	17.85	105	2089624	55.7181 ug/L		98
78)	p-Isopropyltoluene	18.01	119	1769844	50.1540 ug/L		98
79)	1,3-Dichlorobenzene	18.21	146	989215	54.3760 ug/L		95
80)	1,4-Dichlorobenzene	18.34	146	996671	51.9332 ug/L		94
81)	n-Butylbenzene	18.53	91	1623862	55.6482 ug/L		98
82)	1,2-Dichlorobenzene	18.84	146	869786	54.3710 ug/L		95
83)	1,2-Dibromo-3-Chloropropan	19.84	75	50171	48.8746 ug/L		84
84)	1,2,4-Trichlorobenzene	20.98	180	584263	54.9395 ug/L		99
85)	Hexachlorobutadiene	21.12	225	201526	50.3581 ug/L		89
86)	Naphthalene	21.36	128	1063556	54.9347 ug/L		100
87)	1,2,3-Trichlorobenzene	21.67	180	495945	54.2117 ug/L		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\091305\8M322490.D Vial: 10
Acq On : 13 Sep 2005 12:24 Operator: CMS
Sample : WG196546-08 50ug/L STD 8260 Inst : HPMS8
Misc : 1,1 SV14649 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 8:37 2005 Quant Results File: 8260BWT.RES

Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\091305\8M322491.D Vial: 11
Acq On : 13 Sep 2005 12:54 Operator: CMS
Sample : WG196546-09 100ug/L STD 8260 Inst : HPMS8
Misc : 1,1 SV14649 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 08:37:50 2005 Quant Results File: 8260BWT.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Initial Calibration
DataAcq Meth : 8260WT

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	11.39	96	1079134	25.00 ug/L	0.00
44) Chlorobenzene-d5	15.28	117	804480	25.00 ug/L	0.00
64) 1,4-Dichlorobenzene-d4	18.30	152	447827	25.00 ug/L	0.00
System Monitoring Compounds					
28) Dibromofluoromethane	10.35	111	447952	50.6117 ug/L	0.00
Spiked Amount 25.000	Range 86 - 118		Recovery = 202.44%#		
33) 1,2-Dichloroethane-d4	10.98	65	468709	49.8556 ug/L	0.00
Spiked Amount 25.000	Range 80 - 120		Recovery = 199.44%#		
45) Toluene-d8	13.38	98	1592218	51.0960 ug/L	0.00
Spiked Amount 25.000	Range 88 - 110		Recovery = 204.40%#		
66) p-Bromofluorobenzene	16.78	95	660052	52.5377 ug/L	0.00
Spiked Amount 25.000	Range 86 - 115		Recovery = 210.16%#		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.64	85	1306483	97.6095 ug/L	97
3) Chloromethane	4.16	50	787074	88.5037 ug/L	99
4) Vinyl Chloride	4.42	62	537335	98.6794 ug/L	100
5) Bromomethane	5.38	94	653074	105.2032 ug/L	99
6) Chloroethane	5.54	64	644106	101.5232 ug/L	97
7) Trichlorofluoromethane	6.06	101	1753676	100.3857 ug/L	100
8) Isoprene	6.63	67	881530	108.6562 ug/L	90
9) Acrolein	6.82	56	72625	206.0165 ug/L	97
10) 1,1,2-Trichloro-1,2,2-Trif	6.85	101	960203	100.2915 ug/L	96
11) Acetone	6.92	43	142432	104.6171 ug/L	88
12) 1,1-Dichloroethene	7.16	61	1445594	107.4285 ug/L	93
13) Dimethyl Sulfide	7.43	62	929667	108.5295 ug/L	94
14) Iodomethane	7.69	142	987583	113.2841 ug/L	94
15) Methylene Chloride	7.94	84	825190	100.5590 ug/L	92
16) Carbon Disulfide	8.01	76	2432963	103.2244 ug/L	100
17) Acrylonitrile	8.11	53	192527	109.9823 ug/L	97
18) Methyl Tert Butyl Ether	8.16	73	1727351	110.3202 ug/L	99
19) trans-1,2-Dichloroethene	8.40	61	1347248	104.8032 ug/L	94
20) n-Hexane	8.48	57	1116581	107.7387 ug/L	98
21) Vinyl Acetate	8.97	43	1373024	108.4204 ug/L	99
22) 1,1-Dichloroethane	9.02	63	1655320	106.9266 ug/L	99
23) 2-Butanone	9.55	43	195431	110.4874 ug/L	98
24) 2,2-Dichloropropane	9.79	77	1482278	108.4493 ug/L	99
25) cis-1,2-Dichloroethene	9.85	61	1491467	111.4996 ug/L	92
26) Chloroform	10.06	83	1645775	105.4955 ug/L	100
27) Bromochloromethane	10.30	130	483454	103.8017 ug/L	96
29) 1,1,1-Trichloroethane	10.60	97	1591371	105.3842 ug/L	97
30) Cyclohexane	10.64	56	1545053	109.5905 ug/L	97
31) 1,1-Dichloropropene	10.79	75	1234831	106.7822 ug/L	98
32) Carbon Tetrachloride	10.95	117	1427627	105.8825 ug/L	99
34) 1,2-Dichloroethane	11.11	62	1172667	101.4586 ug/L	92
35) Benzene	11.16	78	3320788	106.4383 ug/L	98
36) Trichloroethene	11.90	130	902121	104.1587 ug/L	96
37) 1,2-Dichloropropane	12.12	63	839755	105.3461 ug/L	95
38) Bromodichloromethane	12.42	83	1162260	109.0619 ug/L	100
39) Dibromomethane	12.51	93	403977	105.9275 ug/L	86
40) 2-Chloroethyl Vinyl Ether	12.69	63	378057	101.4854 ug/L	100
41) 4-Methyl-2-Pentanone	12.72	58	177017	109.3014 ug/L	99
42) cis-1,3-Dichloropropene	13.04	75	1341728	100.6141 ug/L	99
43) Dimethyl Disulfide	13.32	94	1488001	108.5803 ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\091305\8M322491.D Vial: 11
Acq On : 13 Sep 2005 12:54 Operator: CMS
Sample : WG196546-09 100ug/L STD 8260 Inst : HPMS8
Misc : 1,1 SV14649 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 08:37:50 2005 Quant Results File: 8260BWT.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Initial Calibration
DataAcq Meth : 8260WT

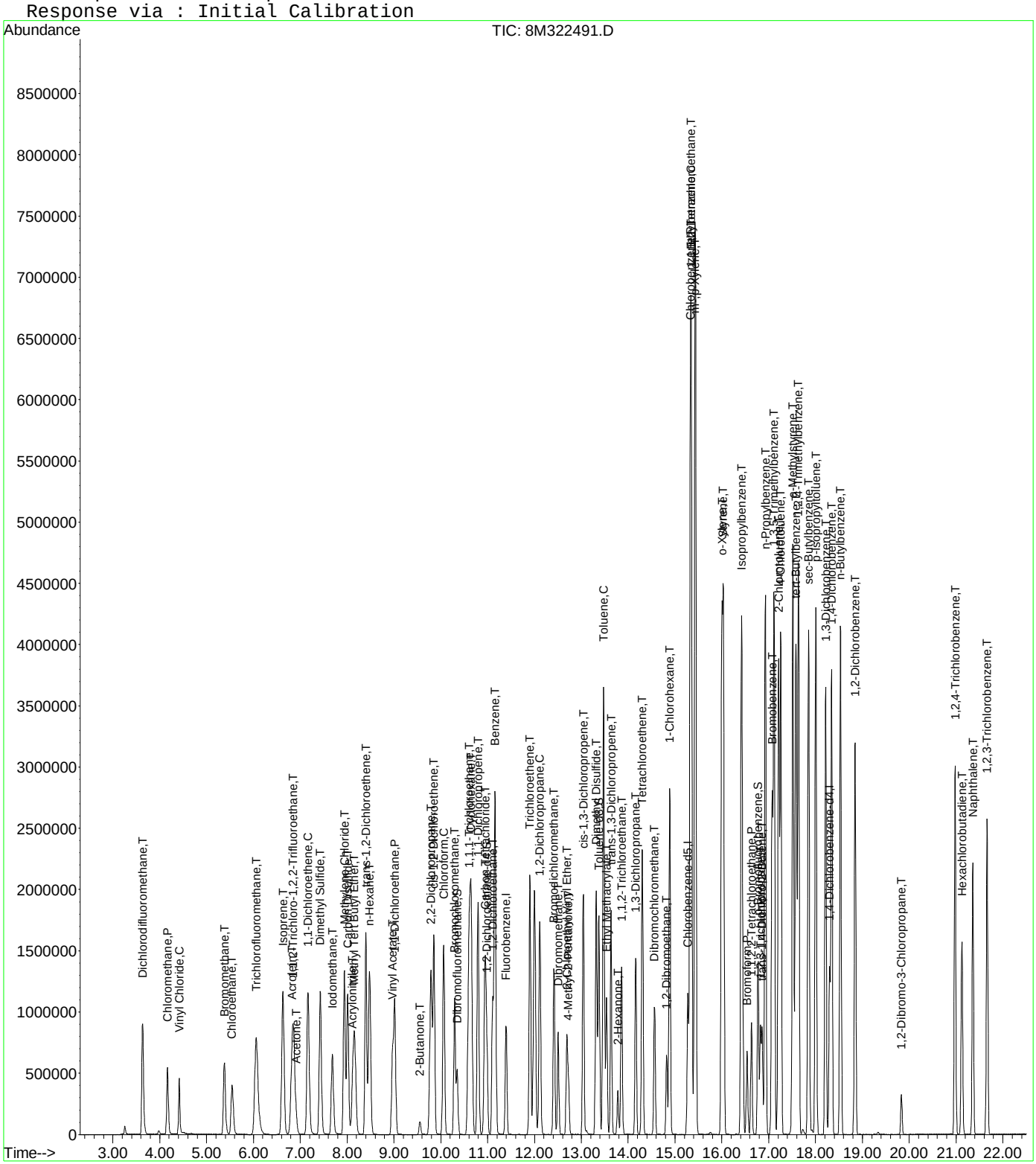
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Toluene	13.48	91	3607639	104.0153	ug/L		100
47)	Ethyl Methacrylate	13.54	69	737697	113.3680	ug/L		98
48)	trans-1,3-Dichloropropene	13.64	75	1183528	109.8029	ug/L		97
49)	1,1,2-Trichloroethane	13.86	97	563263	102.8674	ug/L		100
50)	2-Hexanone	13.78	43	317216	114.3894	ug/L	#	99
51)	1,3-Dichloropropane	14.16	76	1000981	105.0593	ug/L		93
52)	Tetrachloroethene	14.30	164	715234	103.8449	ug/L		90
53)	Dibromochloromethane	14.57	129	747619	101.4025	ug/L		99
54)	1,2-Dibromoethane	14.82	107	568186	110.9662	ug/L		99
55)	1-Chlorohexane	14.89	91	1187821	100.5063	ug/L		88
56)	Chlorobenzene	15.32	112	2218696	96.3382	ug/L		93
57)	1,1,1,2-Tetrachloroethane	15.35	131	792728	101.7082	ug/L		99
58)	Ethylbenzene	15.35	106	1213586	99.6403	ug/L		98
59)	m-,p-Xylene	15.43	106	3070275	200.2262	ug/L		98
60)	o-Xylene	16.00	106	1584851	109.1545	ug/L		97
61)	Styrene	16.03	104	2694391	100.3327	ug/L		94
62)	Bromoform	16.54	173	426662	101.6664	ug/L		99
63)	Isopropylbenzene	16.42	105	4056177	100.4366	ug/L		97
65)	1,1,2,2-Tetrachloroethane	16.63	83	610276	106.6032	ug/L		100
67)	1,2,3-Trichloropropane	16.83	110	195537	107.8616	ug/L	#	1
68)	trans-1,4-Dichloro-2-Buten	16.86	53	250353	109.8186	ug/L	#	1
69)	n-Propylbenzene	16.93	91	5010370	108.2903	ug/L		99
70)	Bromobenzene	17.07	156	941056	105.0261	ug/L	#	46
71)	1,3,5-Trimethylbenzene	17.11	105	3541702	99.8673	ug/L		96
72)	2-Chlorotoluene	17.21	91	3167033	104.4346	ug/L		98
73)	4-Chlorotoluene	17.26	91	3179606	102.7713	ug/L		97
74)	a-Methylstyrene	17.52	118	2062511	104.1079	ug/L		97
75)	tert-Butylbenzene	17.58	134	694203	105.1620	ug/L		65
76)	1,2,4-Trimethylbenzene	17.63	105	3736486	105.1617	ug/L		97
77)	sec-Butylbenzene	17.85	105	4265174	108.8588	ug/L		98
78)	p-Isopropyltoluene	18.01	119	3601773	99.8690	ug/L		98
79)	1,3-Dichlorobenzene	18.22	146	1993540	104.8914	ug/L		96
80)	1,4-Dichlorobenzene	18.34	146	2001490	99.8265	ug/L		96
81)	n-Butylbenzene	18.53	91	3313654	108.6945	ug/L		98
82)	1,2-Dichlorobenzene	18.85	146	1772153	106.0363	ug/L		96
83)	1,2-Dibromo-3-Chloropropan	19.83	75	111612	103.4130	ug/L		84
84)	1,2,4-Trichlorobenzene	20.98	180	1188355	106.9599	ug/L		99
85)	Hexachlorobutadiene	21.12	225	415251	99.6208	ug/L		90
86)	Naphthalene	21.36	128	2292084	113.3224	ug/L		100
87)	1,2,3-Trichlorobenzene	21.66	180	1024391	107.1824	ug/L		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\091305\8M322491.D Vial: 11
Acq On : 13 Sep 2005 12:54 Operator: CMS
Sample : WG196546-09 100ug/L STD 8260 Inst : HPMS8
Misc : 1,1 SV14649 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 8:37 2005 Quant Results File: 8260BWT.RES

Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\091305\8M322492.D Vial: 12
Acq On : 13 Sep 2005 13:35 Operator: CMS
Sample : WG196546-10 200ug/L STD 8260 Inst : HPMS8
Misc : 1,1 SV14649 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 08:37:55 2005 Quant Results File: 8260BWT.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Initial Calibration
DataAcq Meth : 8260WT

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	11.39	96	1142916	25.00 ug/L	0.00
44) Chlorobenzene-d5	15.28	117	859197	25.00 ug/L	0.00
64) 1,4-Dichlorobenzene-d4	18.30	152	464056	25.00 ug/L	0.00
System Monitoring Compounds					
28) Dibromofluoromethane	10.35	111	922393	98.4004 ug/L	0.00
Spiked Amount 25.000	Range 86 - 118		Recovery = 393.60%#		
33) 1,2-Dichloroethane-d4	10.99	65	908139	91.2061 ug/L	0.00
Spiked Amount 25.000	Range 80 - 120		Recovery = 364.84%#		
45) Toluene-d8	13.38	98	3241175	97.3889 ug/L	0.00
Spiked Amount 25.000	Range 88 - 110		Recovery = 389.56%#		
66) p-Bromofluorobenzene	16.77	95	1357098	104.2423 ug/L	0.00
Spiked Amount 25.000	Range 86 - 115		Recovery = 416.96%#		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.63	85	2670984	188.4172 ug/L	98
3) Chloromethane	4.16	50	1574545	167.1715 ug/L	100
4) Vinyl Chloride	4.41	62	1042270	200.3420 ug/L	100
5) Bromomethane	5.37	94	1440615	219.1167 ug/L	100
6) Chloroethane	5.54	64	1336965	198.9707 ug/L	97
7) Trichlorofluoromethane	6.06	101	3621850	195.7555 ug/L	100
8) Isoprene	6.63	67	1848518	215.1305 ug/L	90
9) Acrolein	6.82	56	166725	446.5577 ug/L	95
10) 1,1,2-Trichloro-1,2,2-Trif	6.85	101	1976332	194.9045 ug/L	94
11) Acetone	6.93	43	263567	182.7877 ug/L	97
12) 1,1-Dichloroethene	7.16	61	2988519	209.6961 ug/L	94
13) Dimethyl Sulfide	7.43	62	1951296	215.0824 ug/L	94
14) Iodomethane	7.69	142	2064134	223.5600 ug/L	97
15) Methylene Chloride	7.94	84	1687508	194.1663 ug/L	91
16) Carbon Disulfide	8.01	76	5095753	204.1344 ug/L	100
17) Acrylonitrile	8.11	53	381835	205.9529 ug/L	96
18) Methyl Tert Butyl Ether	8.15	73	3416862	206.0455 ug/L	98
19) trans-1,2-Dichloroethene	8.40	61	2733477	200.7722 ug/L	94
20) n-Hexane	8.48	57	2361619	215.1554 ug/L	97
21) Vinyl Acetate	8.96	43	2870729	214.0357 ug/L	99
22) 1,1-Dichloroethane	9.01	63	3387281	206.5932 ug/L	99
23) 2-Butanone	9.56	43	384234	205.1049 ug/L	99
24) 2,2-Dichloropropane	9.79	77	3060004	211.3879 ug/L	99
25) cis-1,2-Dichloroethene	9.85	61	3016071	212.8934 ug/L	92
26) Chloroform	10.06	83	3302410	199.8737 ug/L	100
27) Bromochloromethane	10.30	130	952671	193.1316 ug/L	95
29) 1,1,1-Trichloroethane	10.60	97	3149634	196.9361 ug/L	97
30) Cyclohexane	10.65	56	3136721	210.0712 ug/L	96
31) 1,1-Dichloropropene	10.80	75	2462982	201.1008 ug/L	99
32) Carbon Tetrachloride	10.95	117	2855621	199.9729 ug/L	99
34) 1,2-Dichloroethane	11.10	62	2281822	186.4047 ug/L	98
35) Benzene	11.16	78	6536401	197.8137 ug/L	98
36) Trichloroethene	11.91	130	1787566	194.8739 ug/L	96
37) 1,2-Dichloropropane	12.11	63	1661852	196.8427 ug/L	96
38) Bromodichloromethane	12.42	83	2330162	206.4511 ug/L	100
39) Dibromomethane	12.50	93	793954	196.5661 ug/L	86
40) 2-Chloroethyl Vinyl Ether	12.69	63	746927	199.6974 ug/L	100
41) 4-Methyl-2-Pentanone	12.72	58	342502	199.6802 ug/L	98
42) cis-1,3-Dichloropropene	13.04	75	2658864	199.8685 ug/L	100
43) Dimethyl Disulfide	13.32	94	2980132	205.3263 ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\091305\8M322492.D Vial: 12
Acq On : 13 Sep 2005 13:35 Operator: CMS
Sample : WG196546-10 200ug/L STD 8260 Inst : HPMS8
Misc : 1,1 SV14649 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 08:37:55 2005 Quant Results File: 8260BWT.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Initial Calibration
DataAcq Meth : 8260WT

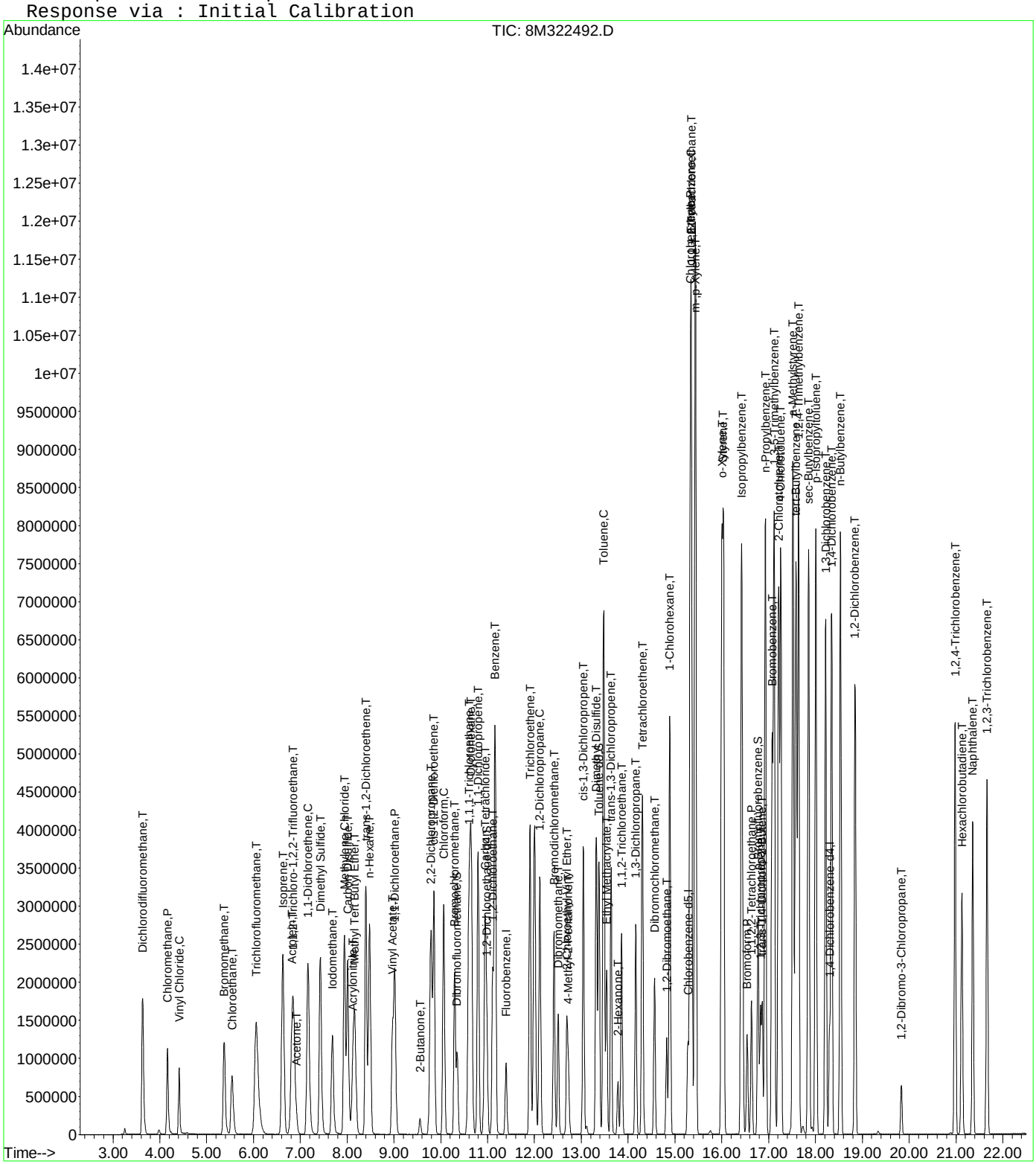
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46)	Toluene	13.48	91	7027319	189.7082 ug/L		100
47)	Ethyl Methacrylate	13.54	69	1431668	206.0048 ug/L		98
48)	trans-1,3-Dichloropropene	13.63	75	2309063	200.5828 ug/L		98
49)	1,1,2-Trichloroethane	13.86	97	1103279	188.6576 ug/L		99
50)	2-Hexanone	13.78	43	611436	206.4450 ug/L	#	100
51)	1,3-Dichloropropane	14.16	76	1947295	191.3652 ug/L		93
52)	Tetrachloroethene	14.30	164	1390774	189.0671 ug/L		89
53)	Dibromochloromethane	14.56	129	1486504	199.7214 ug/L		100
54)	1,2-Dibromoethane	14.82	107	1127244	206.1296 ug/L		100
55)	1-Chlorohexane	14.89	91	2406629	199.9039 ug/L		88
56)	Chlorobenzene	15.33	112	3956546	160.8568 ug/L		93
57)	1,1,1,2-Tetrachloroethane	15.35	131	1400898	168.2910 ug/L		99
58)	Ethylbenzene	15.35	106	2113489	162.4752 ug/L		98
59)	m-,p-Xylene	15.43	106	5399853	399.9412 ug/L		98
60)	o-Xylene	16.00	106	3008300	193.9978 ug/L		96
61)	Styrene	16.04	104	5134814	199.9199 ug/L		95
62)	Bromoform	16.54	173	838299	199.6656 ug/L		99
63)	Isopropylbenzene	16.42	105	7911609	199.9062 ug/L		97
65)	1,1,2,2-Tetrachloroethane	16.63	83	1184884	199.7375 ug/L		99
67)	1,2,3-Trichloropropane	16.83	110	373013	198.5646 ug/L	#	1
68)	trans-1,4-Dichloro-2-Buten	16.86	53	503062	212.9533 ug/L	#	1
69)	n-Propylbenzene	16.93	91	9615185	200.5474 ug/L		100
70)	Bromobenzene	17.08	156	1829204	197.0079 ug/L	#	48
71)	1,3,5-Trimethylbenzene	17.11	105	6869317	200.0261 ug/L		96
72)	2-Chlorotoluene	17.22	91	6255715	199.0713 ug/L		98
73)	4-Chlorotoluene	17.26	91	5995372	187.0055 ug/L		98
74)	a-Methylstyrene	17.52	118	4007933	195.2305 ug/L		95
75)	tert-Butylbenzene	17.58	134	1356547	198.3111 ug/L		87
76)	1,2,4-Trimethylbenzene	17.64	105	7126592	193.5601 ug/L		97
77)	sec-Butylbenzene	17.86	105	8367122	206.0832 ug/L		98
78)	p-Isopropyltoluene	18.01	119	7088099	200.0249 ug/L		97
79)	1,3-Dichlorobenzene	18.22	146	3856528	195.8174 ug/L		95
80)	1,4-Dichlorobenzene	18.35	146	3826276	184.1655 ug/L		95
81)	n-Butylbenzene	18.53	91	6525187	206.5539 ug/L		98
82)	1,2-Dichlorobenzene	18.84	146	3402941	196.4933 ug/L		95
83)	1,2-Dibromo-3-Chloropropan	19.84	75	222793	198.6659 ug/L		82
84)	1,2,4-Trichlorobenzene	20.98	180	2234246	194.0644 ug/L		98
85)	Hexachlorobutadiene	21.13	225	857942	200.0701 ug/L		90
86)	Naphthalene	21.36	128	4420047	210.8880 ug/L		99
87)	1,2,3-Trichlorobenzene	21.67	180	1930236	194.8983 ug/L		99

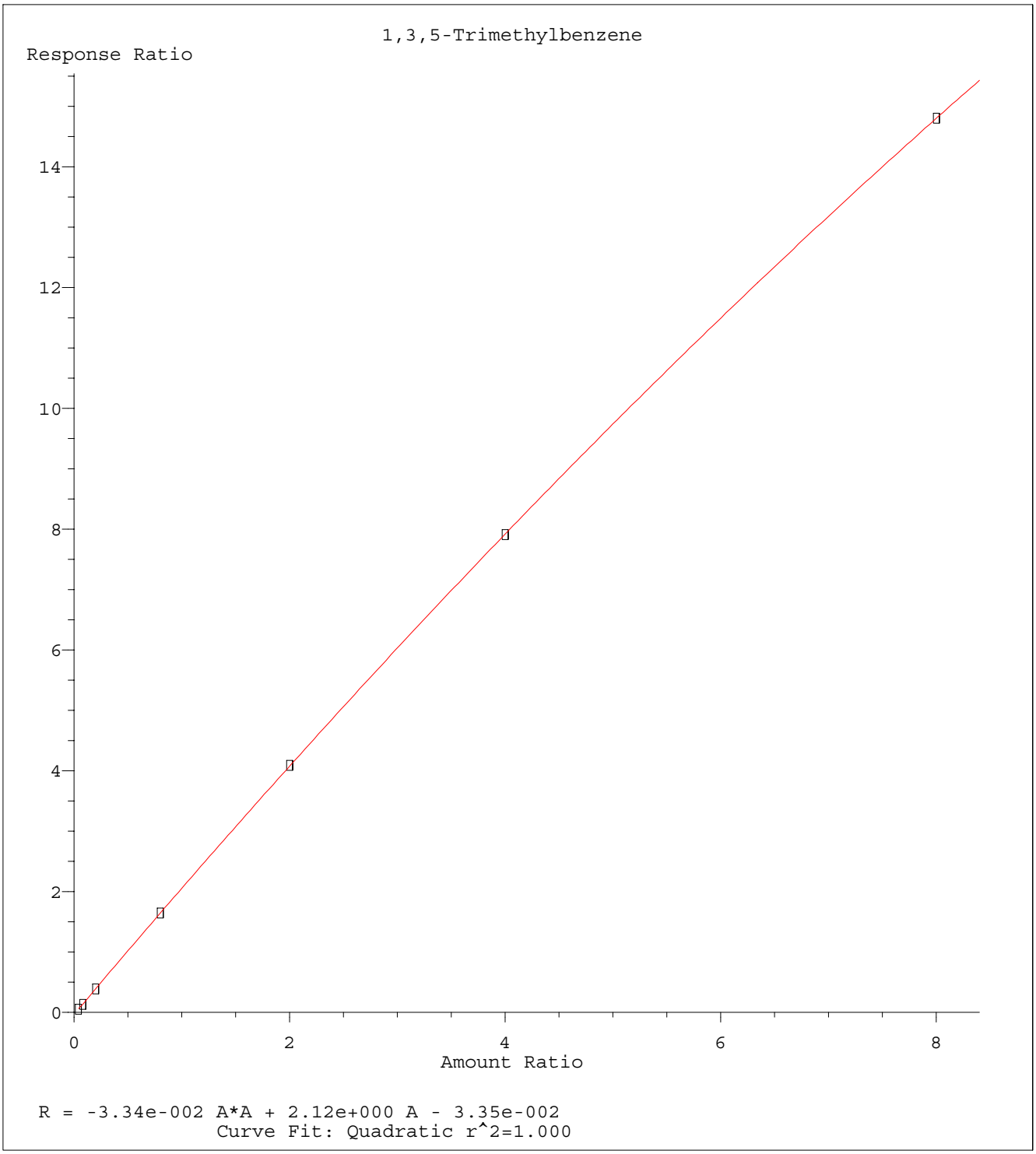
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

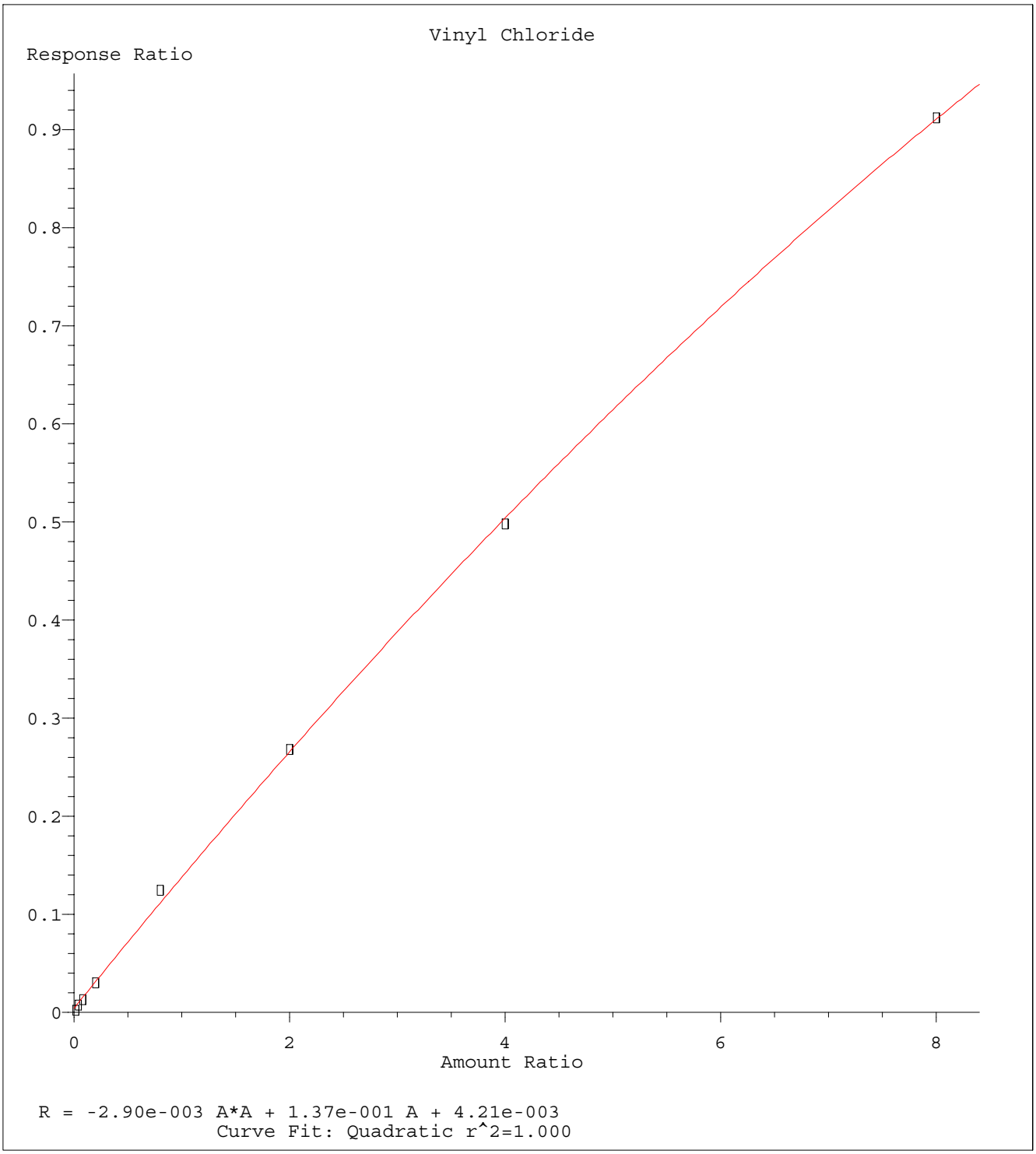
Data File : C:\MSDCHEM\1\DATA\091305\8M322492.D Vial: 12
Acq On : 13 Sep 2005 13:35 Operator: CMS
Sample : WG196546-10 200ug/L STD 8260 Inst : HPMS8
Misc : 1,1 SV14649 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 8:37 2005 Quant Results File: 8260BWT.RES

Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Initial Calibration

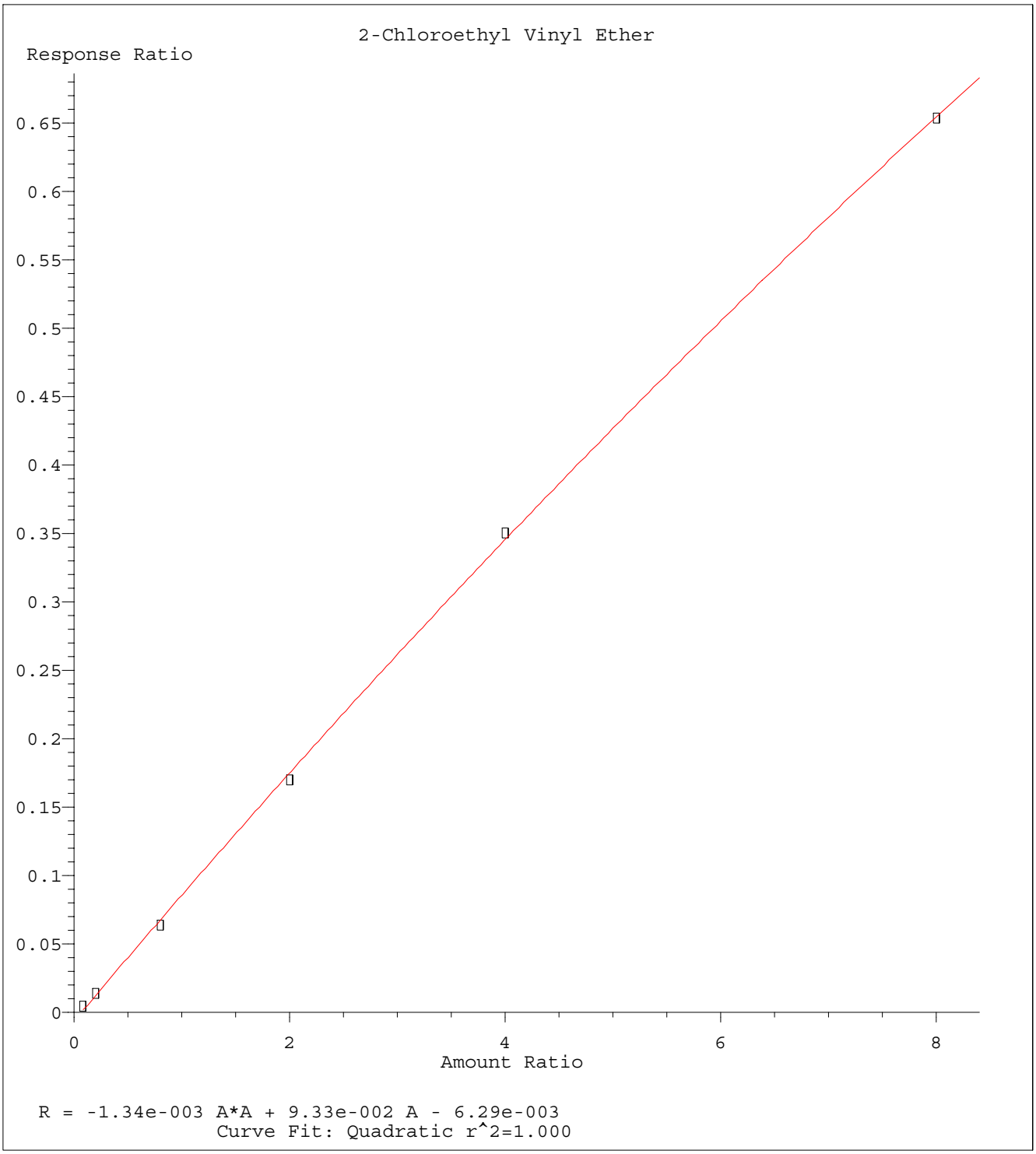




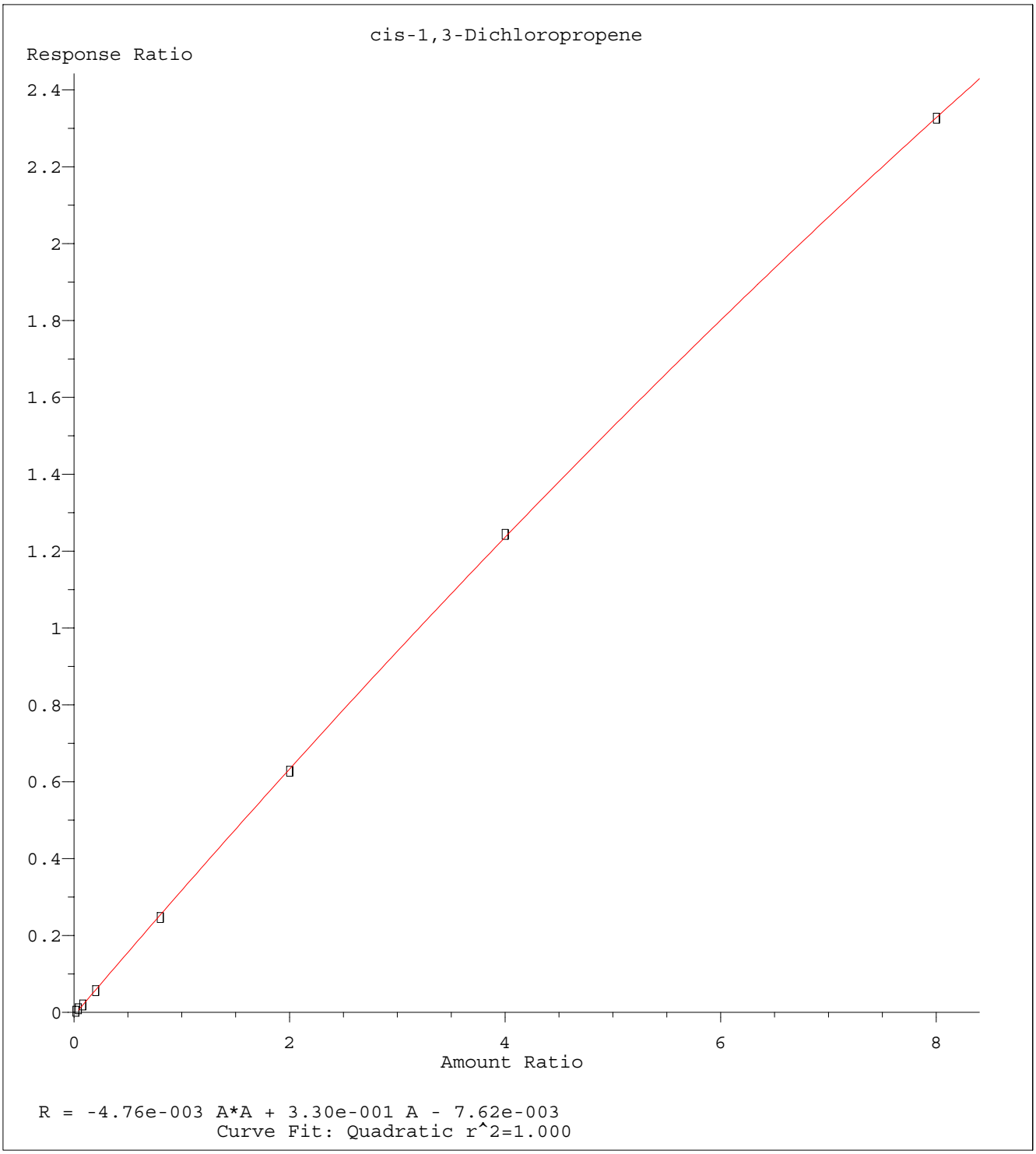
Method Name: C:\MSDCHEM\1\METHODS\8260BWT.M
Calibration Table Last Updated: Wed Sep 14 08:01:28 2005



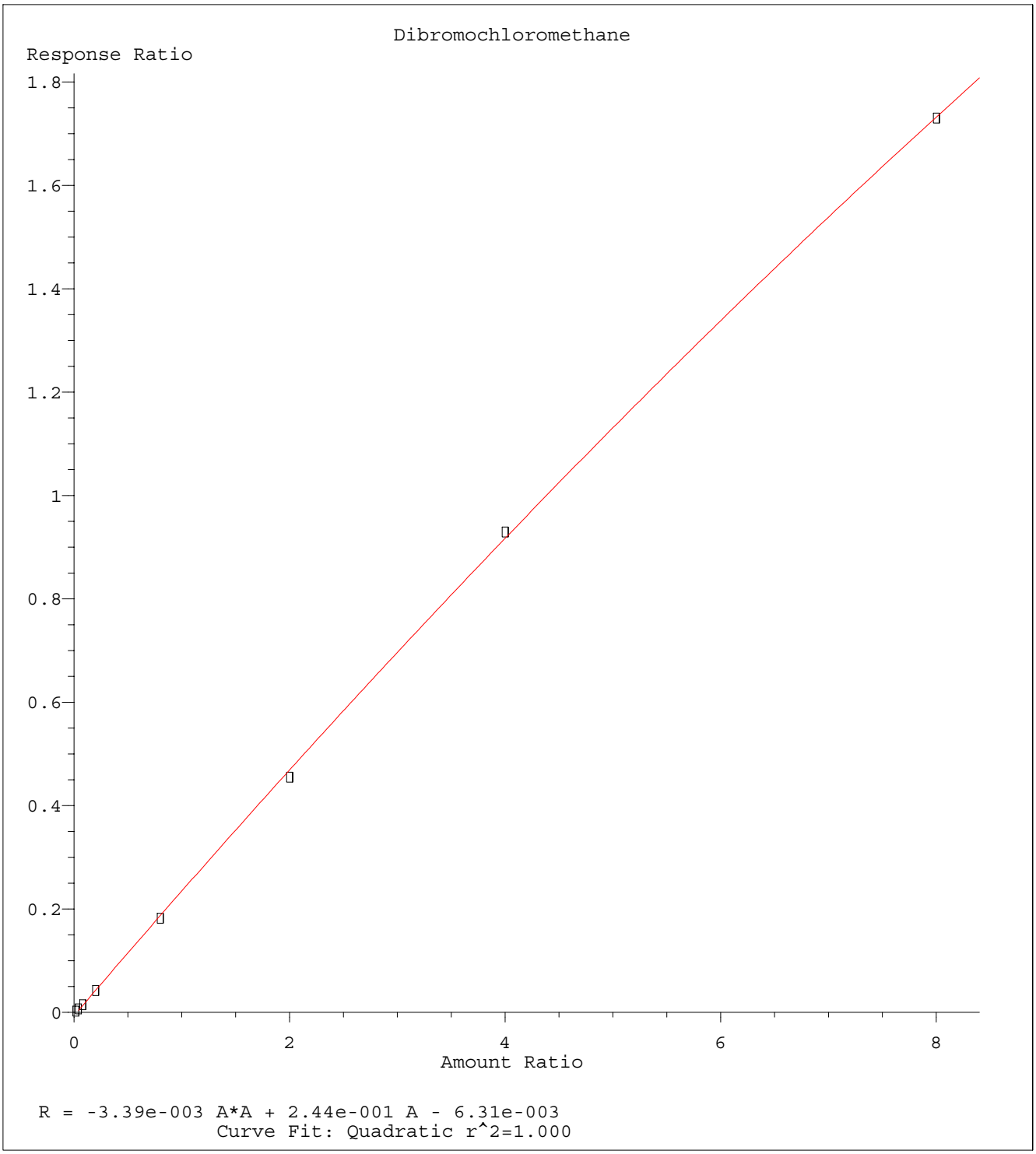
Method Name: C:\MSDCHEM\1\METHODS\8260BWT.M
Calibration Table Last Updated: Wed Sep 14 08:01:28 2005



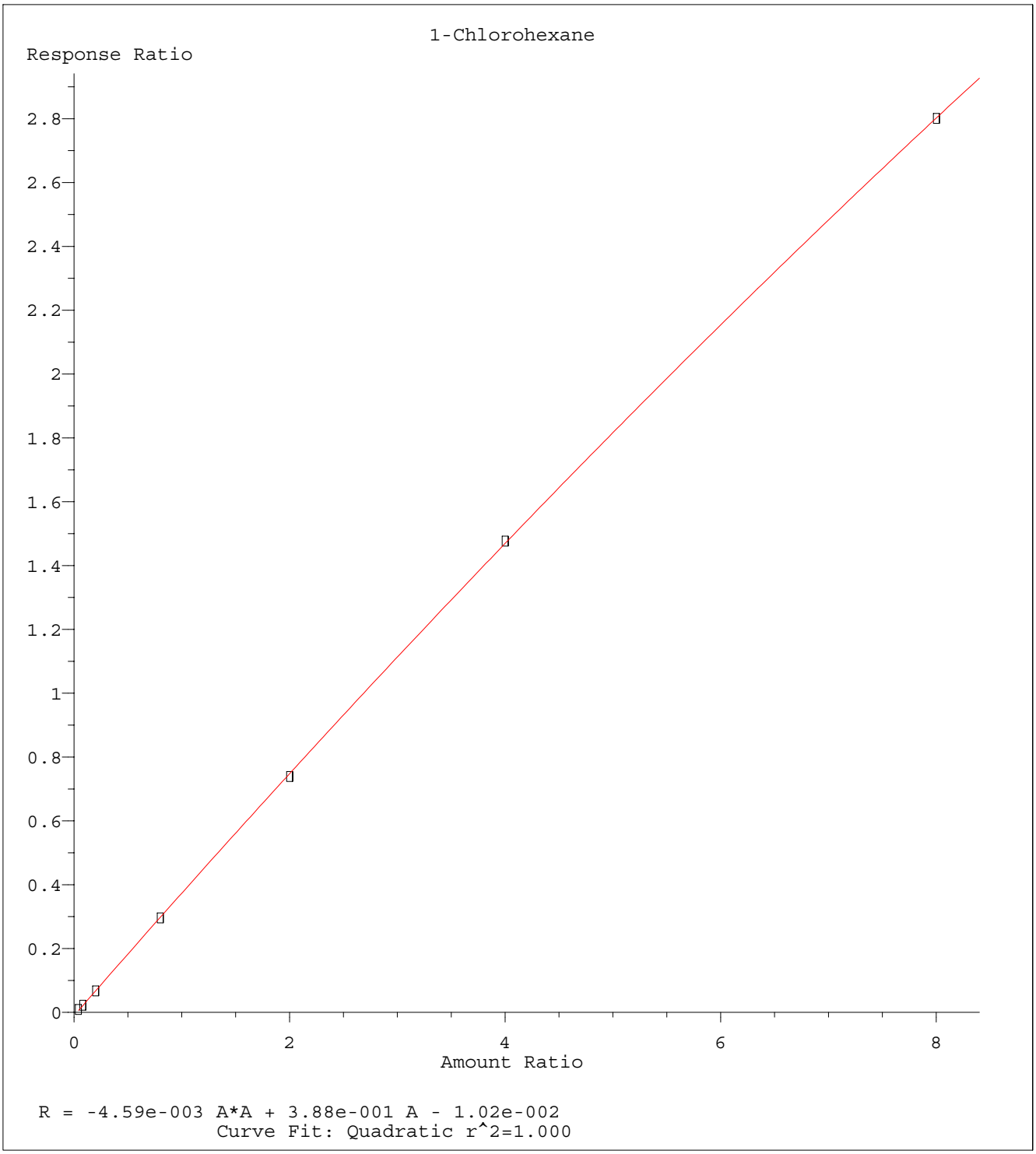
Method Name: C:\MSDCHEM\1\METHODS\8260BWT.M
Calibration Table Last Updated: Wed Sep 14 08:01:28 2005



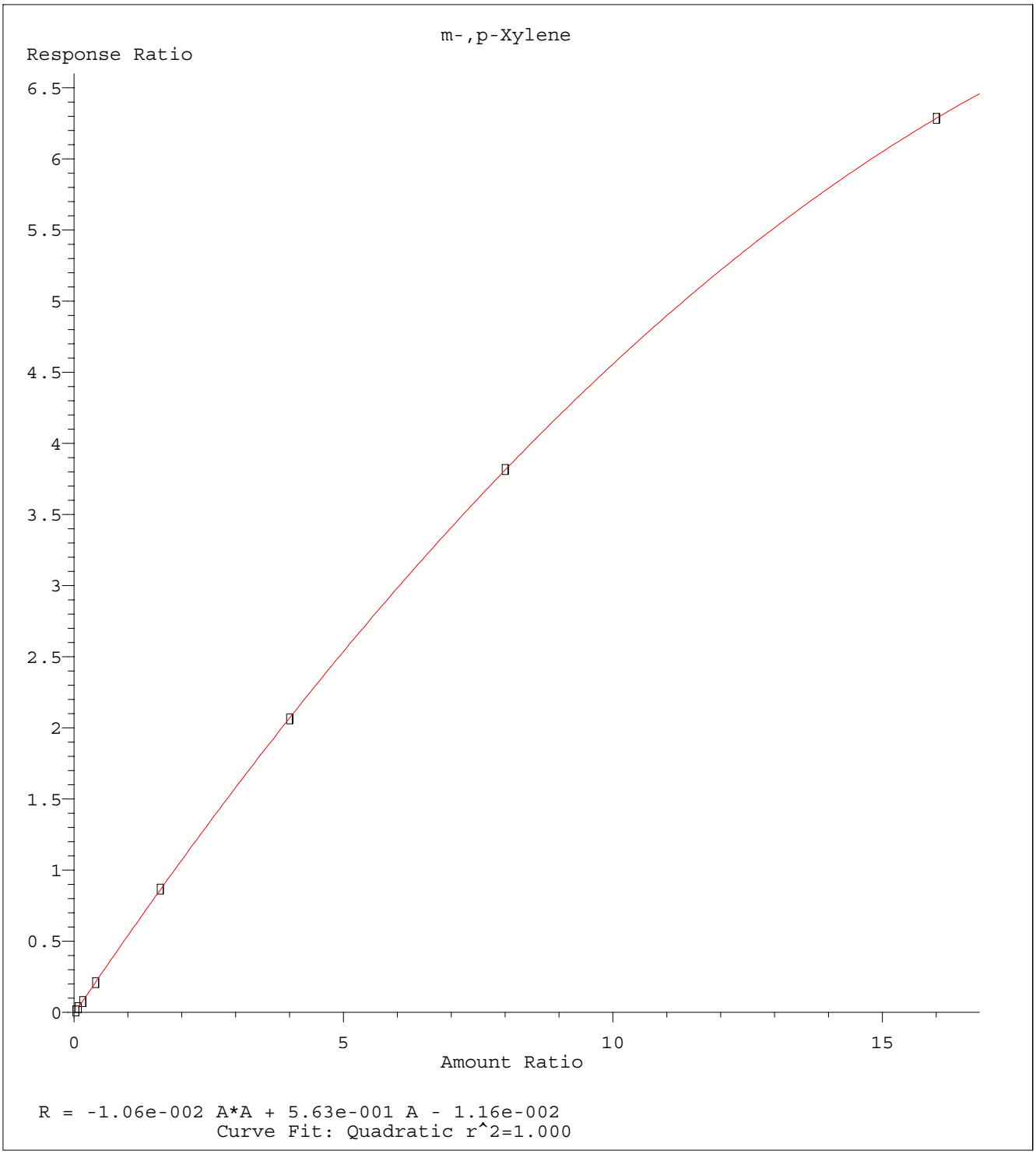
Method Name: C:\MSDCHEM\1\METHODS\8260BWT.M
Calibration Table Last Updated: Wed Sep 14 08:01:28 2005



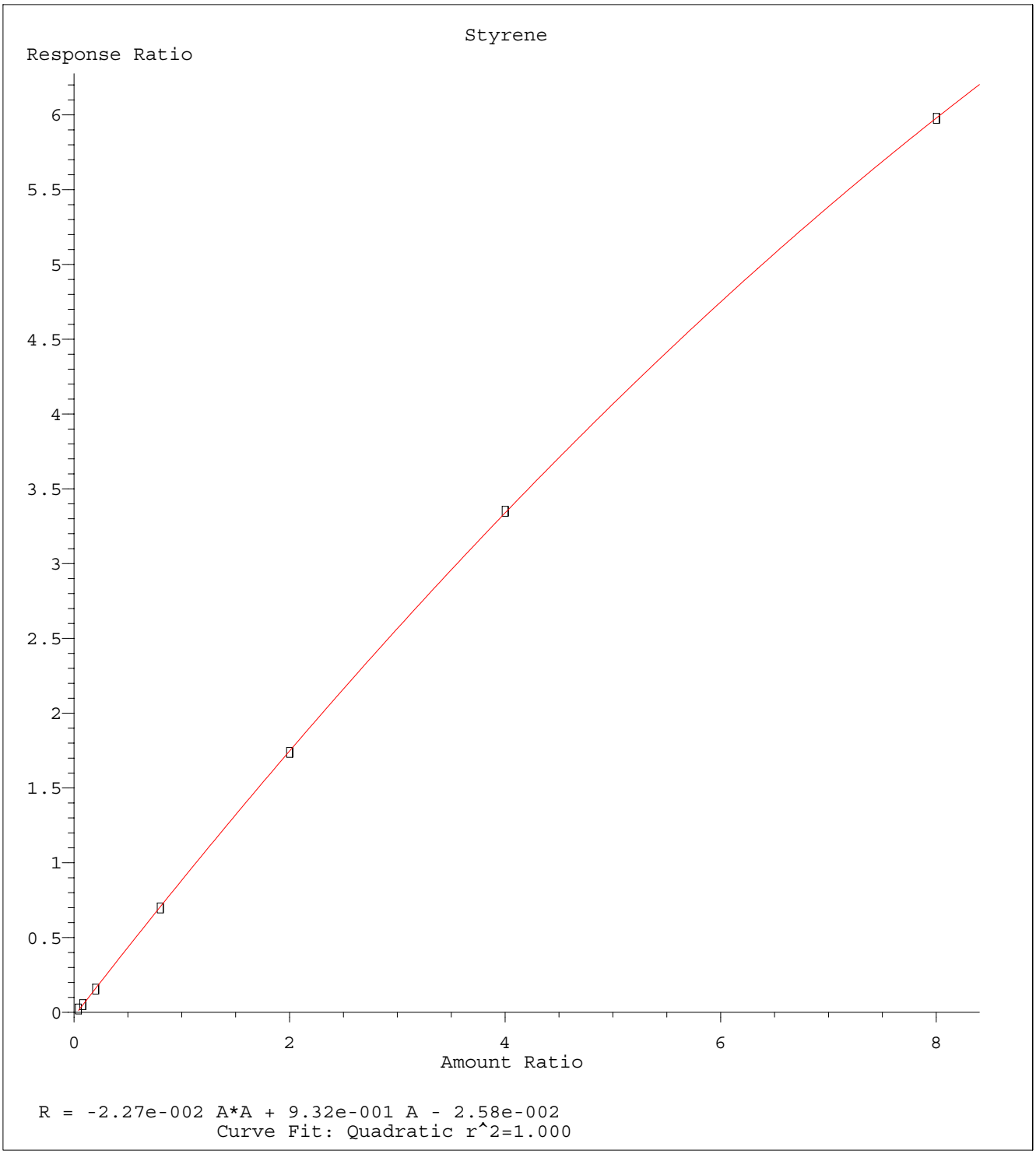
Method Name: C:\MSDCHEM\1\METHODS\8260BWT.M
Calibration Table Last Updated: Wed Sep 14 08:01:28 2005



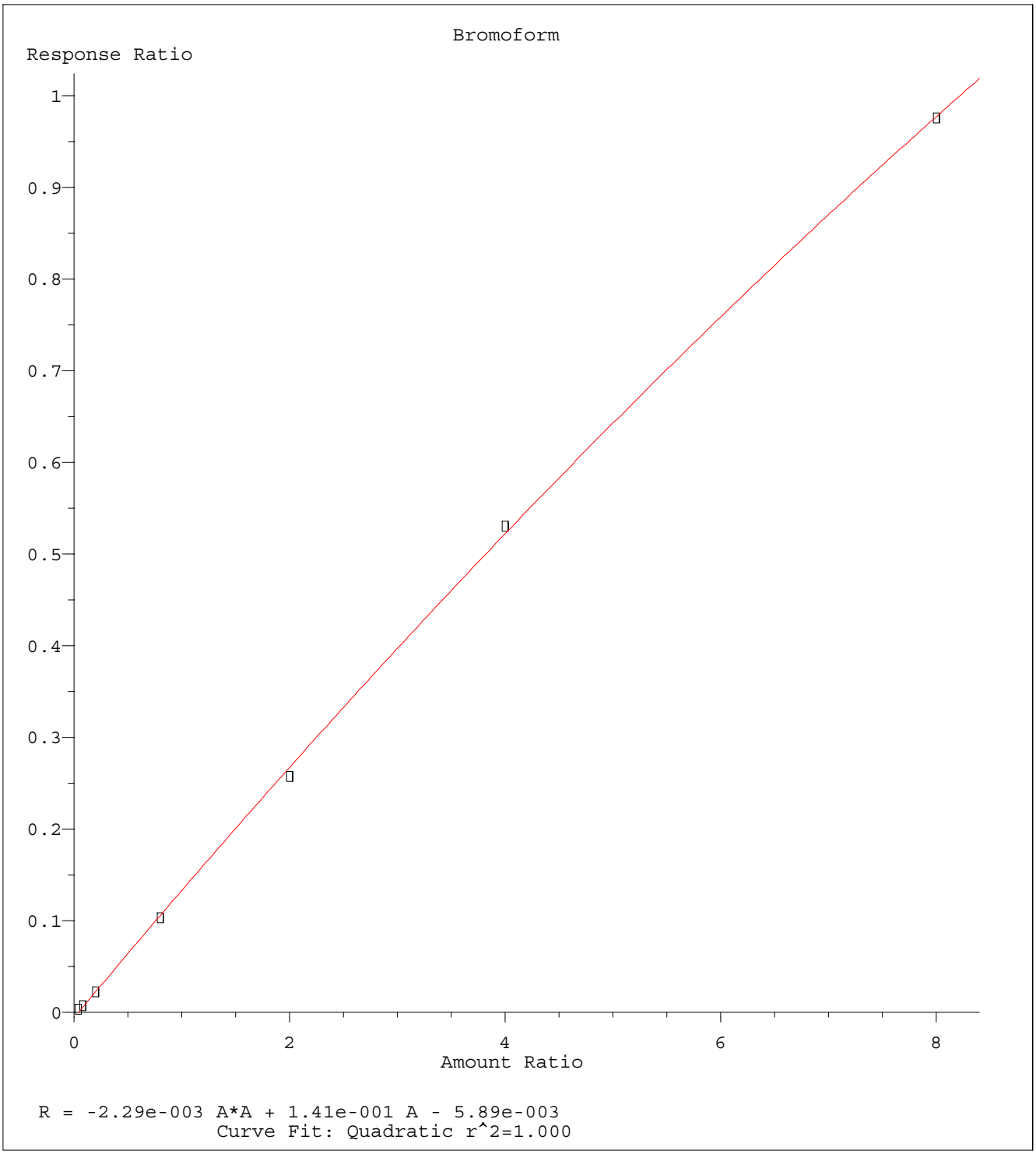
Method Name: C:\MSDCHEM\1\METHODS\8260BWT.M
Calibration Table Last Updated: Wed Sep 14 08:01:28 2005



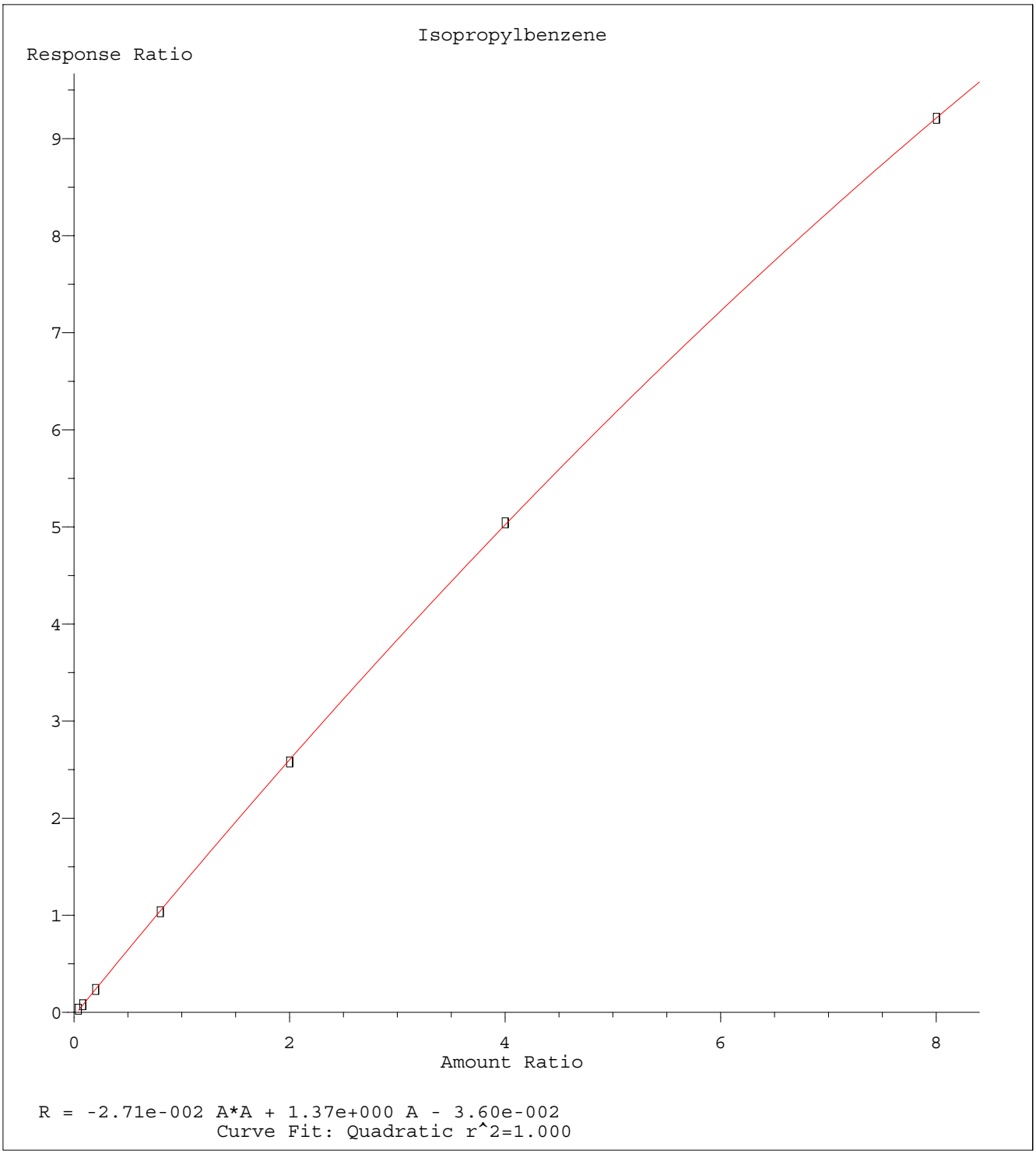
Method Name: C:\MSDCHEM\1\METHODS\8260BWT.M
Calibration Table Last Updated: Wed Sep 14 08:01:28 2005



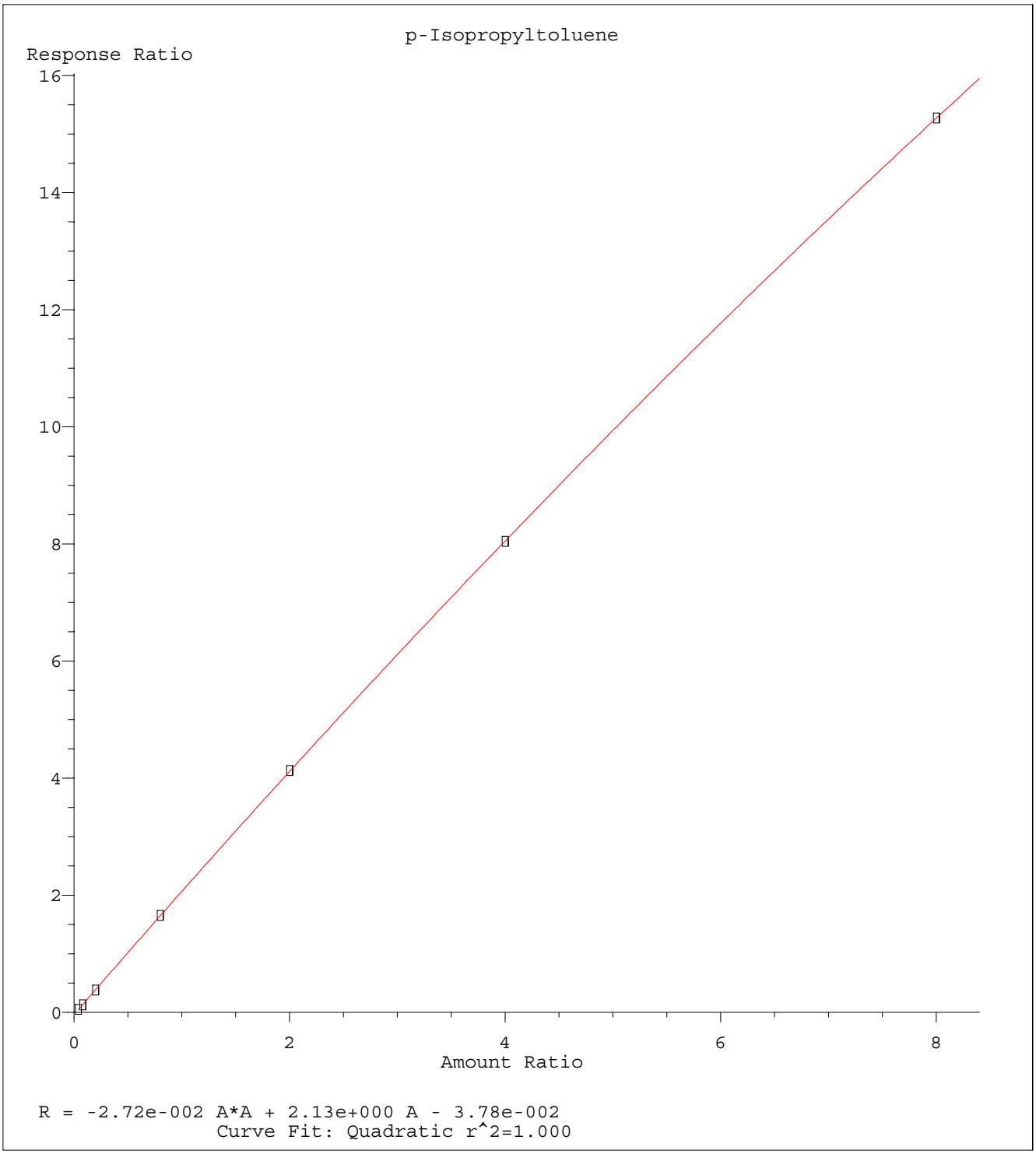
Method Name: C:\MSDCHEM\1\METHODS\8260BWT.M
Calibration Table Last Updated: Wed Sep 14 08:01:28 2005



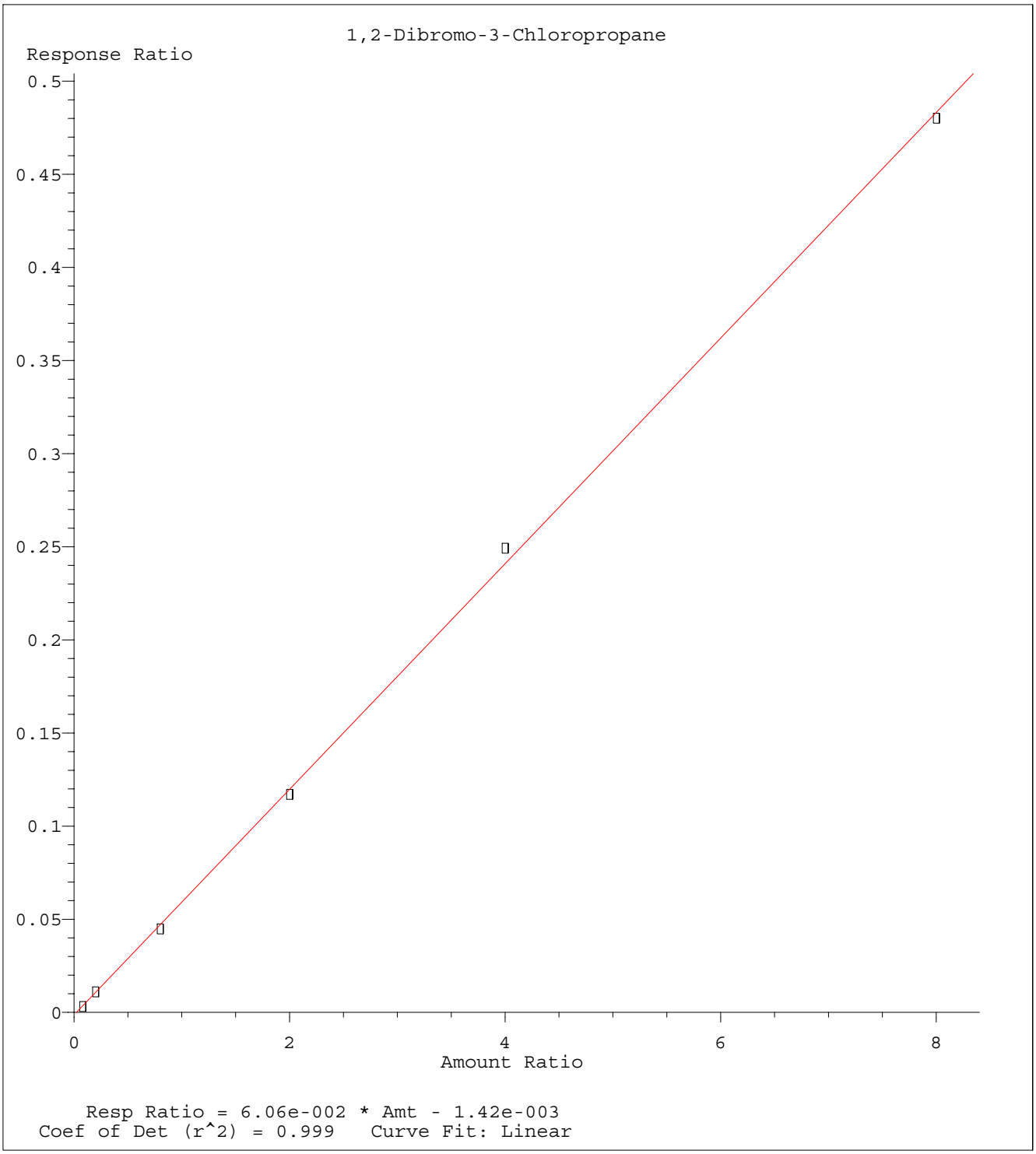
Method Name: C:\MSDCHEM\1\METHODS\8260BWT.M
Calibration Table Last Updated: Wed Sep 14 08:01:28 2005



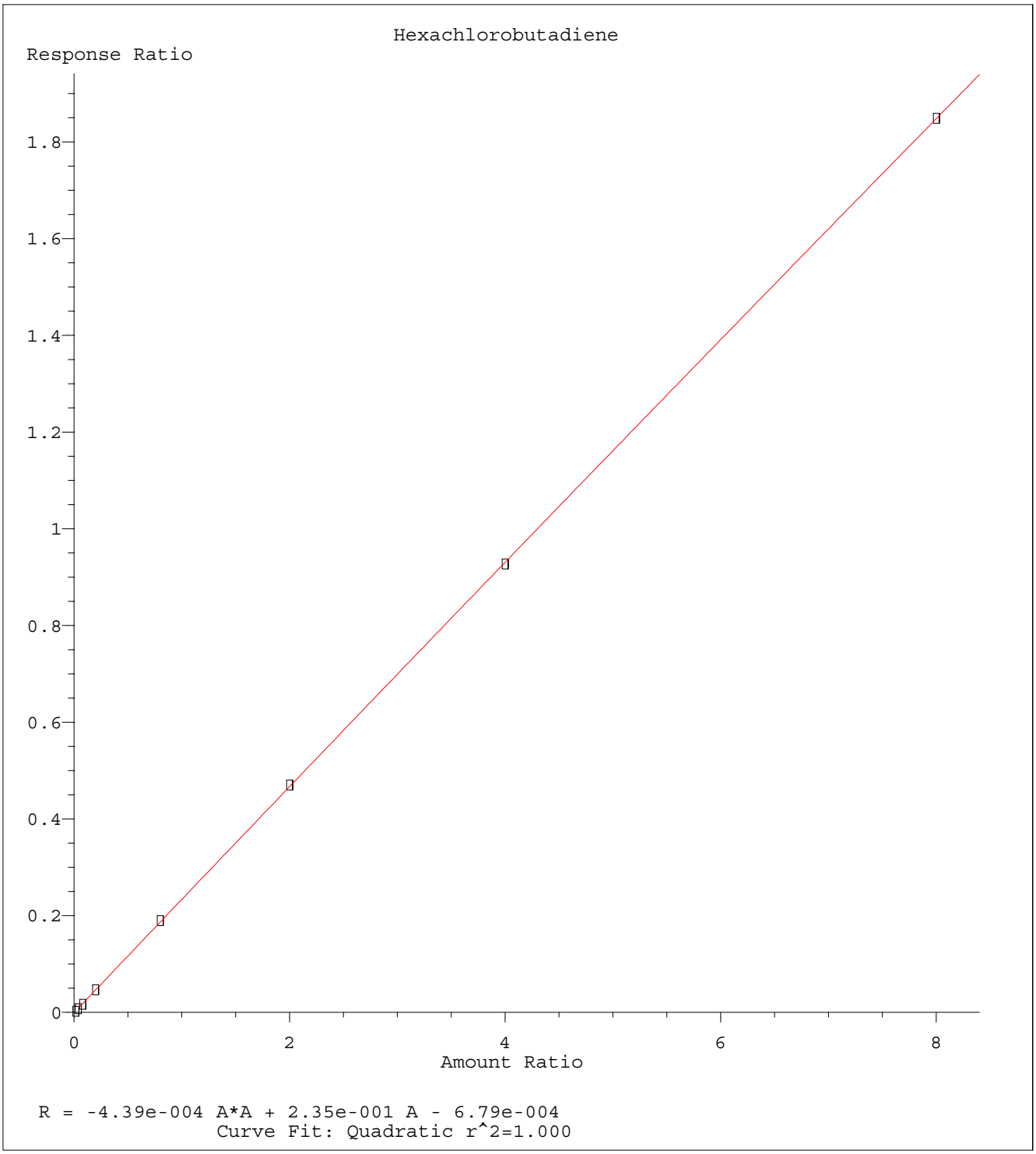
Method Name: C:\MSDCHEM\1\METHODS\8260BWT.M
Calibration Table Last Updated: Wed Sep 14 08:01:28 2005



Method Name: C:\MSDCHEM\1\METHODS\8260BWT.M
Calibration Table Last Updated: Wed Sep 14 08:01:28 2005



Method Name: C:\MSDCHEM\1\METHODS\8260BWT.M
Calibration Table Last Updated: Wed Sep 14 08:01:28 2005



Method Name: C:\MSDCHEM\1\METHODS\8260BWT.M
Calibration Table Last Updated: Wed Sep 14 08:01:28 2005

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\091305\8M322497.D Vial: 17
Acq On : 13 Sep 2005 16:05 Operator: CMS
Sample : WG196546-11 20ug/L ALT SOURCE STD 8260 Inst : HPMS8
Misc : 1,1 SV14644 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 08:37:59 2005 Quant Results File: 8260BWT.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Initial Calibration
DataAcq Meth : 8260WT

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	11.39	96	1047444	25.00 ug/L	0.00
44) Chlorobenzene-d5	15.27	117	778848	25.00 ug/L	0.00
64) 1,4-Dichlorobenzene-d4	18.30	152	431536	25.00 ug/L	0.00

System Monitoring Compounds					
28) Dibromofluoromethane	10.35	111	210791	24.5367 ug/L	0.00
Spiked Amount 25.000	Range 86 - 118		Recovery = 98.16%		
33) 1,2-Dichloroethane-d4	10.99	65	215227	23.5859 ug/L	0.00
Spiked Amount 25.000	Range 80 - 120		Recovery = 94.36%		
45) Toluene-d8	13.38	98	761506	25.2418 ug/L	0.00
Spiked Amount 25.000	Range 88 - 110		Recovery = 100.96%		
66) p-Bromofluorobenzene	16.77	95	321510	26.5571 ug/L	0.00
Spiked Amount 25.000	Range 86 - 115		Recovery = 106.24%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.64	85	259238	19.9541 ug/L	97
3) Chloromethane	4.17	50	166896	19.3347 ug/L	97
4) Vinyl Chloride	4.42	62	134109	23.1255 ug/L	100
5) Bromomethane	5.38	94	133635	22.1785 ug/L	99
6) Chloroethane	5.55	64	133209	21.6315 ug/L	97
7) Trichlorofluoromethane	6.07	101	354237	20.8911 ug/L	99
11) Acetone	6.93	43	22028	16.6692 ug/L	93
12) 1,1-Dichloroethene	7.17	61	292866	22.4226 ug/L	94
14) Iodomethane	7.69	142	196148	23.1805 ug/L	96
15) Methylene Chloride	7.94	84	171153	21.4880 ug/L	93
16) Carbon Disulfide	8.01	76	483650	21.1409 ug/L	99
17) Acrylonitrile	8.15	53	2753	1.6202 ug/L #	13
18) Methyl Tert Butyl Ether	8.15	73	332316	21.8661 ug/L	98
19) trans-1,2-Dichloroethene	8.40	61	273032	21.8819 ug/L	95
20) n-Hexane	8.48	57	163095	16.2131 ug/L	96
21) Vinyl Acetate	8.96	43	193905	15.7749 ug/L	99
22) 1,1-Dichloroethane	9.01	63	335042	22.2971 ug/L	100
23) 2-Butanone	9.56	43	30108	17.5366 ug/L	96
24) 2,2-Dichloropropane	9.79	77	297168	22.3998 ug/L	99
25) cis-1,2-Dichloroethene	9.85	61	272752	21.0074 ug/L	97
26) Chloroform	10.06	83	339635	22.4295 ug/L	99
27) Bromochloromethane	10.30	130	103366	22.8650 ug/L	96
29) 1,1,1-Trichloroethane	10.60	97	328788	22.4318 ug/L	97
31) 1,1-Dichloropropene	10.80	75	260712	23.2272 ug/L	98
32) Carbon Tetrachloride	10.95	117	291918	22.3056 ug/L	99
34) 1,2-Dichloroethane	11.10	62	246863	22.0047 ug/L	97
35) Benzene	11.16	78	708264	23.3882 ug/L	98
36) Trichloroethene	11.91	130	191548	22.7852 ug/L	96
37) 1,2-Dichloropropane	12.11	63	176737	22.8422 ug/L	96
38) Bromodichloromethane	12.42	83	241898	23.3855 ug/L	99
39) Dibromomethane	12.51	93	85745	23.1636 ug/L	87
40) 2-Chloroethyl Vinyl Ether	12.69	63	65889	18.7463 ug/L	100
41) 4-Methyl-2-Pentanone	12.73	58	29705	18.8967 ug/L	100
42) cis-1,3-Dichloropropene	13.04	75	271695	20.4708 ug/L	99
43) Dimethyl Disulfide	13.38	94	22472	1.6894 ug/L #	27
46) Toluene	13.48	91	764056	22.7542 ug/L	99
47) Ethyl Methacrylate	13.50	69	4724	0.7499 ug/L #	58
48) trans-1,3-Dichloropropene	13.63	75	217616	20.8540 ug/L	98
49) 1,1,2-Trichloroethane	13.86	97	119142	22.4747 ug/L	99
50) 2-Hexanone	13.78	43	51255	19.0910 ug/L #	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\091305\8M322497.D Vial: 17
Acq On : 13 Sep 2005 16:05 Operator: CMS
Sample : WG196546-11 20ug/L ALT SOURCE STD 8260 Inst : HPMS8
Misc : 1,1 SV14644 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 08:37:59 2005 Quant Results File: 8260BWT.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Initial Calibration
DataAcq Meth : 8260WT

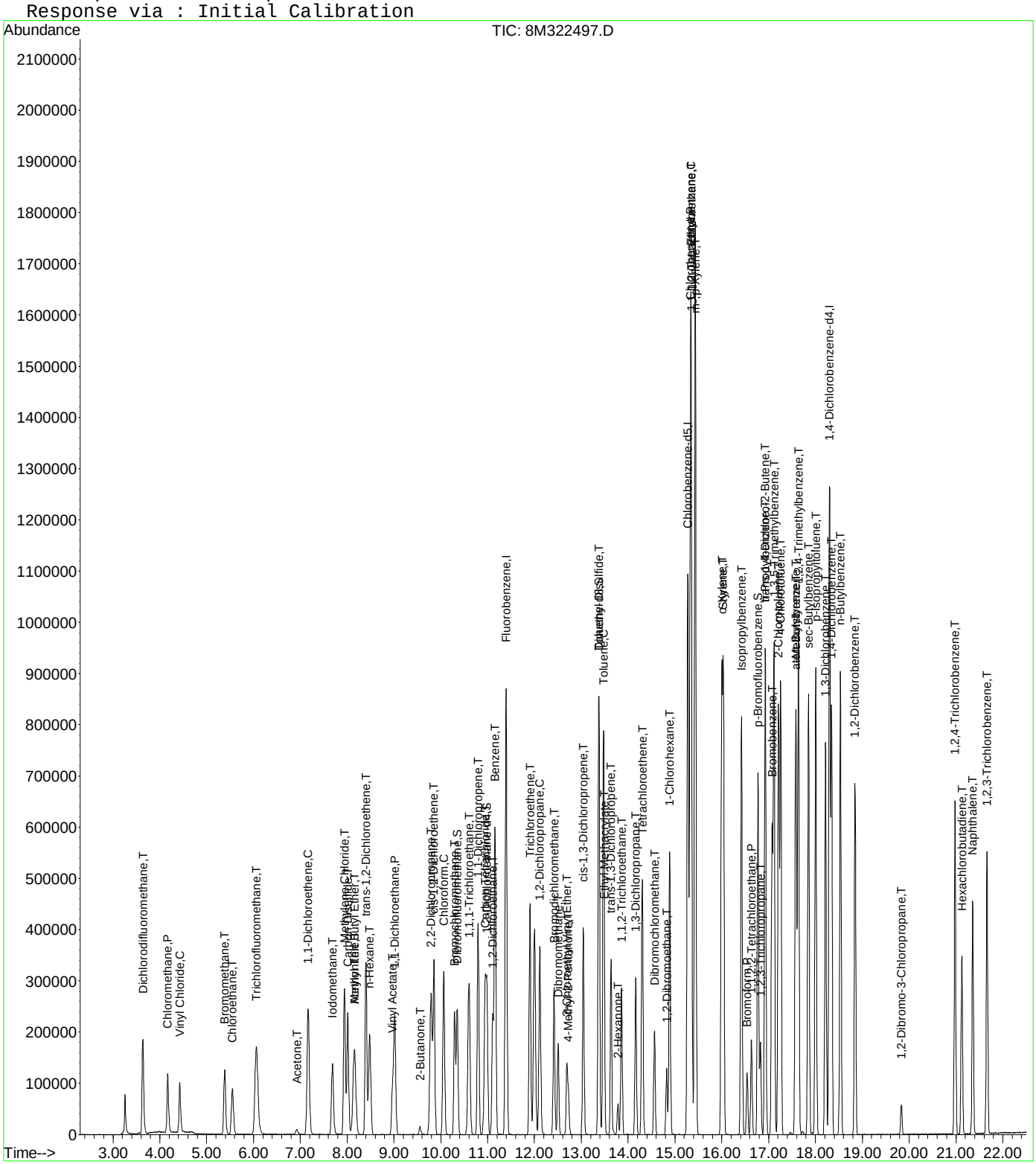
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
51)	1,3-Dichloropropane	14.16	76	210149	22.7824 ug/L	94
52)	Tetrachloroethene	14.30	164	151838	22.7709 ug/L	92
53)	Dibromochloromethane	14.56	129	145335	19.9534 ug/L	99
54)	1,2-Dibromoethane	14.82	107	112731	22.7408 ug/L	100
55)	1-Chlorohexane	14.88	91	230367	19.8905 ug/L	91
56)	Chlorobenzene	15.33	112	497281	22.3031 ug/L	93
57)	1,1,1,2-Tetrachloroethane	15.35	131	178241	23.6212 ug/L	98
58)	Ethylbenzene	15.34	106	278619	23.6286 ug/L	97
59)	m-,p-Xylene	15.43	106	692547	41.3128 ug/L	98
60)	o-Xylene	16.00	106	335778	23.8873 ug/L	100
61)	Styrene	16.04	104	556295	20.2492 ug/L	95
62)	Bromoform	16.54	173	76078	18.5659 ug/L	99
63)	Isopropylbenzene	16.42	105	770663	18.9568 ug/L	98
65)	1,1,2,2-Tetrachloroethane	16.63	83	123524	22.3918 ug/L	100
67)	1,2,3-Trichloropropane	16.83	110	38846	22.2371 ug/L #	1
68)	trans-1,4-Dichloro-2-Buten	16.93	53	5134	2.3371 ug/L #	1
69)	n-Propylbenzene	16.93	91	1035760	23.2312 ug/L	100
70)	Bromobenzene	17.07	156	204231	23.6536 ug/L #	49
71)	1,3,5-Trimethylbenzene	17.11	105	742031	20.9325 ug/L	97
72)	2-Chlorotoluene	17.21	91	708886	24.2584 ug/L	99
73)	4-Chlorotoluene	17.26	91	628824	21.0921 ug/L	99
74)	a-Methylstyrene	17.59	118	9453	0.4952 ug/L #	1
75)	tert-Butylbenzene	17.58	134	145483	22.8706 ug/L	83
76)	1,2,4-Trimethylbenzene	17.64	105	779834	22.7766 ug/L	98
77)	sec-Butylbenzene	17.85	105	871737	23.0890 ug/L	98
78)	p-Isopropyltoluene	18.01	119	727863	20.4394 ug/L	98
79)	1,3-Dichlorobenzene	18.21	146	413754	22.5918 ug/L	96
80)	1,4-Dichlorobenzene	18.34	146	422059	21.8453 ug/L	93
81)	n-Butylbenzene	18.53	91	688715	23.4441 ug/L	98
82)	1,2-Dichlorobenzene	18.84	146	368284	22.8681 ug/L	96
83)	1,2-Dibromo-3-Chloropropan	19.84	75	20759	20.4321 ug/L	88
84)	1,2,4-Trichlorobenzene	20.98	180	254915	23.8102 ug/L	99
85)	Hexachlorobutadiene	21.13	225	88517	21.9654 ug/L	90
86)	Naphthalene	21.36	128	463247	23.7679 ug/L	100
87)	1,2,3-Trichlorobenzene	21.66	180	220239	23.9136 ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\091305\8M322497.D Vial: 17
Acq On : 13 Sep 2005 16:05 Operator: CMS
Sample : WG196546-11 20ug/L ALT SOURCE STD 8260 Inst : HPMS8
Misc : 1,1 SV14644 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 8:38 2005 Quant Results File: 8260BWT.RES

Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\091305\8M322497.D Vial: 17
Acq On : 13 Sep 2005 16:05 Operator: CMS
Sample : WG196546-11 20ug/L ALT SOURCE STD 8260 Inst : HPMS8
Misc : 1,1 SV14644 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	109	0.00
2	T	Dichlorodifluoromethane	0.310	0.309	0.3	103	0.00
3	P	Chloromethane	0.206	0.199	3.4	105	0.00
4	C	Vinyl Chloride	0.144	0.160	-11.1	112	0.00
5	T	Bromomethane	0.144	0.159	-10.4	125	0.00
6	T	Chloroethane	0.147	0.159	-8.2	116	0.00
7	T	Trichlorofluoromethane	0.405	0.423	-4.4	108	0.00
8	T	Isoprene	0.188	0.000	100.0#	0#	-6.63#
9	T	Acrolein	0.008	0.000	100.0#	0#	-6.82#
10	T	1,1,2-Trichloro-1,2,2-Trifl	0.222	0.000	100.0#	0#	-6.85#
11	T	Acetone	0.032	0.026	18.8	90	0.00
12	C	1,1-Dichloroethene	0.312	0.350	-12.2	112	0.00
13	T	Dimethyl Sulfide	0.198	0.000	100.0#	0#	-7.43#
14	T	Iodomethane	0.202	0.234	-15.8	117	0.00
15	T	Methylene Chloride	0.190	0.204	-7.4	114	0.00
16	T	Carbon Disulfide	0.546	0.577	-5.7	112	0.00
17	T	Acrylonitrile	0.041	0.003	92.7#	9#	0.03
18	T	Methyl Tert Butyl Ether	0.363	0.397	-9.4	113	0.00
19	T	trans-1,2-Dichloroethene	0.298	0.326	-9.4	111	0.00
20	T	n-Hexane	0.240	0.195	18.7	82	0.00
21	T	Vinyl Acetate	0.293	0.231	21.2	82	0.00
22	P	1,1-Dichloroethane	0.359	0.400	-11.4	111	0.00
23	T	2-Butanone	0.041	0.036	12.2	98	0.00
24	T	2,2-Dichloropropane	0.317	0.355	-12.0	112	0.00
25	T	cis-1,2-Dichloroethene	0.310	0.325	-4.8	99	0.00
26	C	Chloroform	0.361	0.405	-12.2	111	0.00
27	T	Bromochloromethane	0.108	0.123	-13.9	115	0.00
28	S	Dibromofluoromethane	0.205	0.503	-145.4#	259#	0.00
29	T	1,1,1-Trichloroethane	0.350	0.392	-12.0	112	0.00
30	T	Cyclohexane	0.327	0.000	100.0#	0#	-10.65#
31	T	1,1-Dichloropropene	0.268	0.311	-16.0	114	0.00
32	T	Carbon Tetrachloride	0.312	0.348	-11.5	110	0.00
33	S	1,2-Dichloroethane-d4	0.218	0.514	-135.8#	242#	0.00
34	T	1,2-Dichloroethane	0.268	0.295	-10.1	110	0.00
35	T	Benzene	0.723	0.845	-16.9	115	0.00
36	T	Trichloroethene	0.201	0.229	-13.9	117	0.00
37	C	1,2-Dichloropropane	0.185	0.211	-14.1	114	0.00
38	T	Bromodichloromethane	0.247	0.289	-17.0	116	0.00
39	T	Dibromomethane	0.088	0.102	-15.9	114	0.00
40	T	2-Chloroethyl Vinyl Ether	0.077	0.079	-2.6	108	0.00
41	T	4-Methyl-2-Pentanone	0.038	0.035	7.9	101	0.00
42	T	cis-1,3-Dichloropropene	0.269	0.324	-20.4	115	0.00
43	T	Dimethyl Disulfide	0.317	0.027	91.5#	9#	0.06
44	I	Chlorobenzene-d5	1.000	1.000	0.0	109	0.00
45	S	Toluene-d8	0.968	2.444	-152.5#	261#	0.00
46	C	Toluene	1.078	1.226	-13.7	113	0.00
47	T	Ethyl Methacrylate	0.202	0.008	96.0#	4#	-0.04
48	T	trans-1,3-Dichloropropene	0.335	0.349	-4.2	102	0.00
49	T	1,1,2-Trichloroethane	0.170	0.191	-12.4	115	0.00
50	T	2-Hexanone	0.086	0.082	4.7	101	0.00
51	T	1,3-Dichloropropane	0.296	0.337	-13.9	115	0.00
52	T	Tetrachloroethene	0.214	0.244	-14.0	113	0.00
53	T	Dibromochloromethane	0.201	0.233	-15.9	112	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\091305\8M322497.D Vial: 17
Acq On : 13 Sep 2005 16:05 Operator: CMS
Sample : WG196546-11 20ug/L ALT SOURCE STD 8260 Inst : HPMS8
Misc : 1,1 SV14644 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
54	T	1,2-Dibromoethane	0.159	0.181	-13.8	114	0.00
55	T	1-Chlorohexane	0.327	0.370	-13.1	109	0.00
56	P	Chlorobenzene	0.716	0.798	-11.5	110	0.00
57	T	1,1,1,2-Tetrachloroethane	0.242	0.286	-18.2	111	0.00
58	C	Ethylbenzene	0.378	0.447	-18.3	114	0.00
59	T	m-,p-Xylene	0.456	0.556	-21.9	112	0.00
60	T	o-Xylene	0.451	0.539	-19.5	114	0.00
61	T	Styrene	0.757	0.893	-18.0	112	0.00
62	P	Bromoform	0.114	0.122	-7.0	103	0.00
63	T	Isopropylbenzene	1.135	1.237	-9.0	104	0.00
64	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.00
65	P	1,1,2,2-Tetrachloroethane	0.320	0.358	-11.9	111	0.00
66	S	p-Bromofluorobenzene	0.701	1.863	-165.8#	279#	0.00
67	T	1,2,3-Trichloropropane	0.101	0.113	-11.9	111	0.00
68	T	trans-1,4-Dichloro-2-Butene	0.127	0.015	88.2#	12#	0.07
69	T	n-Propylbenzene	2.583	3.000	-16.1	110	0.00
70	T	Bromobenzene	0.500	0.592	-18.4	115	0.00
71	T	1,3,5-Trimethylbenzene	1.826	2.149	-17.7	112	0.00
72	T	2-Chlorotoluene	1.693	2.053	-21.3	122	0.00
73	T	4-Chlorotoluene	1.727	1.821	-5.4	102	0.00
74	T	a-Methylstyrene	1.106	0.027	97.6#	3#	0.07
75	T	tert-Butylbenzene	0.369	0.421	-14.1	110	0.00
76	T	1,2,4-Trimethylbenzene	1.984	2.259	-13.9	110	0.00
77	T	sec-Butylbenzene	2.187	2.525	-15.5	111	0.00
78	T	p-Isopropyltoluene	1.833	2.108	-15.0	109	0.00
79	T	1,3-Dichlorobenzene	1.061	1.198	-12.9	110	0.00
80	T	1,4-Dichlorobenzene	1.119	1.223	-9.3	109	0.00
81	T	n-Butylbenzene	1.702	1.995	-17.2	112	0.00
82	T	1,2-Dichlorobenzene	0.933	1.067	-14.4	112	0.00
83	T	1,2-Dibromo-3-Chloropropane	0.055	0.060	-9.1	115	0.00
84	T	1,2,4-Trichlorobenzene	0.620	0.738	-19.0	117	0.00
85	T	Hexachlorobutadiene	0.212	0.256	-20.8	116	0.00
86	T	Naphthalene	1.129	1.342	-18.9	120	0.00
87	T	1,2,3-Trichlorobenzene	0.534	0.638	-19.5	118	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\091305\8M322497.D Vial: 17
Acq On : 13 Sep 2005 16:05 Operator: CMS
Sample : WG196546-11 20ug/L ALT SOURCE STD 8260 Inst : HPMS8
Misc : 1,1 SV14644 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	25.000	25.000	0.0	109	0.00
2	T	Dichlorodifluoromethane	20.000	19.954	0.2	103	0.00
3	P	Chloromethane	20.000	19.335	3.3	105	0.00
4	C	Vinyl Chloride	20.000	23.125	-15.6	112	0.00
5	T	Bromomethane	20.000	22.178	-10.9	125	0.00
6	T	Chloroethane	20.000	21.631	-8.2	116	0.00
7	T	Trichlorofluoromethane	20.000	20.891	-4.5	108	0.00
8	T	Isoprene	20.000	0.000	100.0#	0	-6.63#
9	T	Acrolein	40.000	0.000	100.0#	0	-6.82#
10	T	1,1,2-Trichloro-1,2,2-Trifl	20.000	0.000	100.0#	0	-6.85#
11	T	Acetone	20.000	16.669	16.7	90	0.00
12	C	1,1-Dichloroethene	20.000	22.423	-12.1	112	0.00
13	T	Dimethyl Sulfide	20.000	0.000	100.0#	0	-7.43#
14	T	Iodomethane	20.000	23.181	-15.9	117	0.00
15	T	Methylene Chloride	20.000	21.488	-7.4	114	0.00
16	T	Carbon Disulfide	20.000	21.141	-5.7	112	0.00
17	T	Acrylonitrile	20.000	1.620	91.9#	9	0.03
18	T	Methyl Tert Butyl Ether	20.000	21.866	-9.3	113	0.00
19	T	trans-1,2-Dichloroethene	20.000	21.882	-9.4	111	0.00
20	T	n-Hexane	20.000	16.213	18.9	82	0.00
21	T	Vinyl Acetate	20.000	15.775	21.1	82	0.00
22	P	1,1-Dichloroethane	20.000	22.297	-11.5	111	0.00
23	T	2-Butanone	20.000	17.537	12.3	98	0.00
24	T	2,2-Dichloropropane	20.000	22.400	-12.0	112	0.00
25	T	cis-1,2-Dichloroethene	20.000	21.007	-5.0	99	0.00
26	C	Chloroform	20.000	22.430	-12.1	111	0.00
27	T	Bromochloromethane	20.000	22.865	-14.3	115	0.00
28	S	Dibromofluoromethane	10.000	24.537	-145.4#	259	0.00
29	T	1,1,1-Trichloroethane	20.000	22.432	-12.2	112	0.00
30	T	Cyclohexane	20.000	0.000	100.0#	0	-10.65#
31	T	1,1-Dichloropropene	20.000	23.227	-16.1	114	0.00
32	T	Carbon Tetrachloride	20.000	22.306	-11.5	110	0.00
33	S	1,2-Dichloroethane-d4	10.000	23.586	-135.9#	242	0.00
34	T	1,2-Dichloroethane	20.000	22.005	-10.0	110	0.00
35	T	Benzene	20.000	23.388	-16.9	115	0.00
36	T	Trichloroethene	20.000	22.785	-13.9	117	0.00
37	C	1,2-Dichloropropane	20.000	22.842	-14.2	114	0.00
38	T	Bromodichloromethane	20.000	23.386	-16.9	116	0.00
39	T	Dibromomethane	20.000	23.164	-15.8	114	0.00
40	T	2-Chloroethyl Vinyl Ether	20.000	18.746	6.3	108	0.00
41	T	4-Methyl-2-Pentanone	20.000	18.897	5.5	101	0.00
42	T	cis-1,3-Dichloropropene	20.000	20.471	-2.4	115	0.00
43	T	Dimethyl Disulfide	20.000	1.689	91.6#	9	0.06
44	I	Chlorobenzene-d5	25.000	25.000	0.0	109	0.00
45	S	Toluene-d8	10.000	25.242	-152.4#	261	0.00
46	C	Toluene	20.000	22.754	-13.8	113	0.00
47	T	Ethyl Methacrylate	20.000	0.750	96.3#	4	-0.04
48	T	trans-1,3-Dichloropropene	20.000	20.854	-4.3	102	0.00
49	T	1,1,2-Trichloroethane	20.000	22.475	-12.4	115	0.00
50	T	2-Hexanone	20.000	19.091	4.5	101	0.00
51	T	1,3-Dichloropropane	20.000	22.782	-13.9	115	0.00
52	T	Tetrachloroethene	20.000	22.771	-13.9	113	0.00
53	T	Dibromochloromethane	20.000	19.953	0.2	112	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\091305\8M322497.D Vial: 17
Acq On : 13 Sep 2005 16:05 Operator: CMS
Sample : WG196546-11 20ug/L ALT SOURCE STD 8260 Inst : HPMS8
Misc : 1,1 SV14644 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
54	T	1,2-Dibromoethane	20.000	22.741	-13.7	114	0.00
55	T	1-Chlorohexane	20.000	19.890	0.5	109	0.00
56	P	Chlorobenzene	20.000	22.303	-11.5	110	0.00
57	T	1,1,1,2-Tetrachloroethane	20.000	23.621	-18.1	111	0.00
58	C	Ethylbenzene	20.000	23.629	-18.1	114	0.00
59	T	m-,p-Xylene	40.000	41.313	-3.3	112	0.00
60	T	o-Xylene	20.000	23.887	-19.4	114	0.00
61	T	Styrene	20.000	20.249	-1.2	112	0.00
62	P	Bromoform	20.000	18.566	7.2	103	0.00
63	T	Isopropylbenzene	20.000	18.957	5.2	104	0.00
64	I	1,4-Dichlorobenzene-d4	25.000	25.000	0.0	107	0.00
65	P	1,1,2,2-Tetrachloroethane	20.000	22.392	-12.0	111	0.00
66	S	p-Bromofluorobenzene	10.000	26.557	-165.6#	279	0.00
67	T	1,2,3-Trichloropropane	20.000	22.237	-11.2	111	0.00
68	T	trans-1,4-Dichloro-2-Butene	20.000	2.337	88.3#	12	0.07
69	T	n-Propylbenzene	20.000	23.231	-16.2	110	0.00
70	T	Bromobenzene	20.000	23.654	-18.3	115	0.00
71	T	1,3,5-Trimethylbenzene	20.000	20.932	-4.7	112	0.00
72	T	2-Chlorotoluene	20.000	24.258	-21.3	122	0.00
73	T	4-Chlorotoluene	20.000	21.092	-5.5	102	0.00
74	T	a-Methylstyrene	20.000	0.495	97.5#	3	0.07
75	T	tert-Butylbenzene	20.000	22.871	-14.4	110	0.00
76	T	1,2,4-Trimethylbenzene	20.000	22.777	-13.9	110	0.00
77	T	sec-Butylbenzene	20.000	23.089	-15.4	111	0.00
78	T	p-Isopropyltoluene	20.000	20.439	-2.2	109	0.00
79	T	1,3-Dichlorobenzene	20.000	22.592	-13.0	110	0.00
80	T	1,4-Dichlorobenzene	20.000	21.845	-9.2	109	0.00
81	T	n-Butylbenzene	20.000	23.444	-17.2	112	0.00
82	T	1,2-Dichlorobenzene	20.000	22.868	-14.3	112	0.00
83	T	1,2-Dibromo-3-Chloropropane	20.000	20.432	-2.2	115	0.00
84	T	1,2,4-Trichlorobenzene	20.000	23.810	-19.0	117	0.00
85	T	Hexachlorobutadiene	20.000	21.965	-9.8	116	0.00
86	T	Naphthalene	20.000	23.768	-18.8	120	0.00
87	T	1,2,3-Trichlorobenzene	20.000	23.914	-19.6	118	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
8M322497.D 8260BWT.M Wed Sep 14 08:42:11 2005 Page 2

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101705\11M29662.D Vial: 7
Acq On : 17 Oct 2005 9:21 Operator: CMS
Sample : WG198725-02 0.5ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:23:57 2005 Quant Results File: 8260BSL.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Initial Calibration
DataAcq Meth : 8260SLST

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.554	96	736629	50.0000	ug/Kg	0.000
46) Chlorobenzene-d5	14.192	117	570943	50.0000	ug/Kg	0.000
66) 1,4-Dichlorobenzene-d4	17.003	152	297975	50.0000	ug/Kg	0.000

System Monitoring Compounds

29) Dibromofluoromethane	0.000	111	0	0.0000000	ug/Kg	
Spiked Amount 50.000	Range	80 - 120	Recovery	=	0.00%#	
34) 1,2-Dichloroethane-d4	0.000	65	0d	0.0000000	ug/Kg	
Spiked Amount 50.000	Range	80 - 120	Recovery	=	0.00%#	
47) Toluene-d8	0.000	98	0d	0.0000000	ug/Kg	
Spiked Amount 50.000	Range	81 - 117	Recovery	=	0.00%#	
68) p-Bromofluorobenzene	0.000	95	0d	0.0000000	ug/Kg	
Spiked Amount 50.000	Range	74 - 121	Recovery	=	0.00%#	

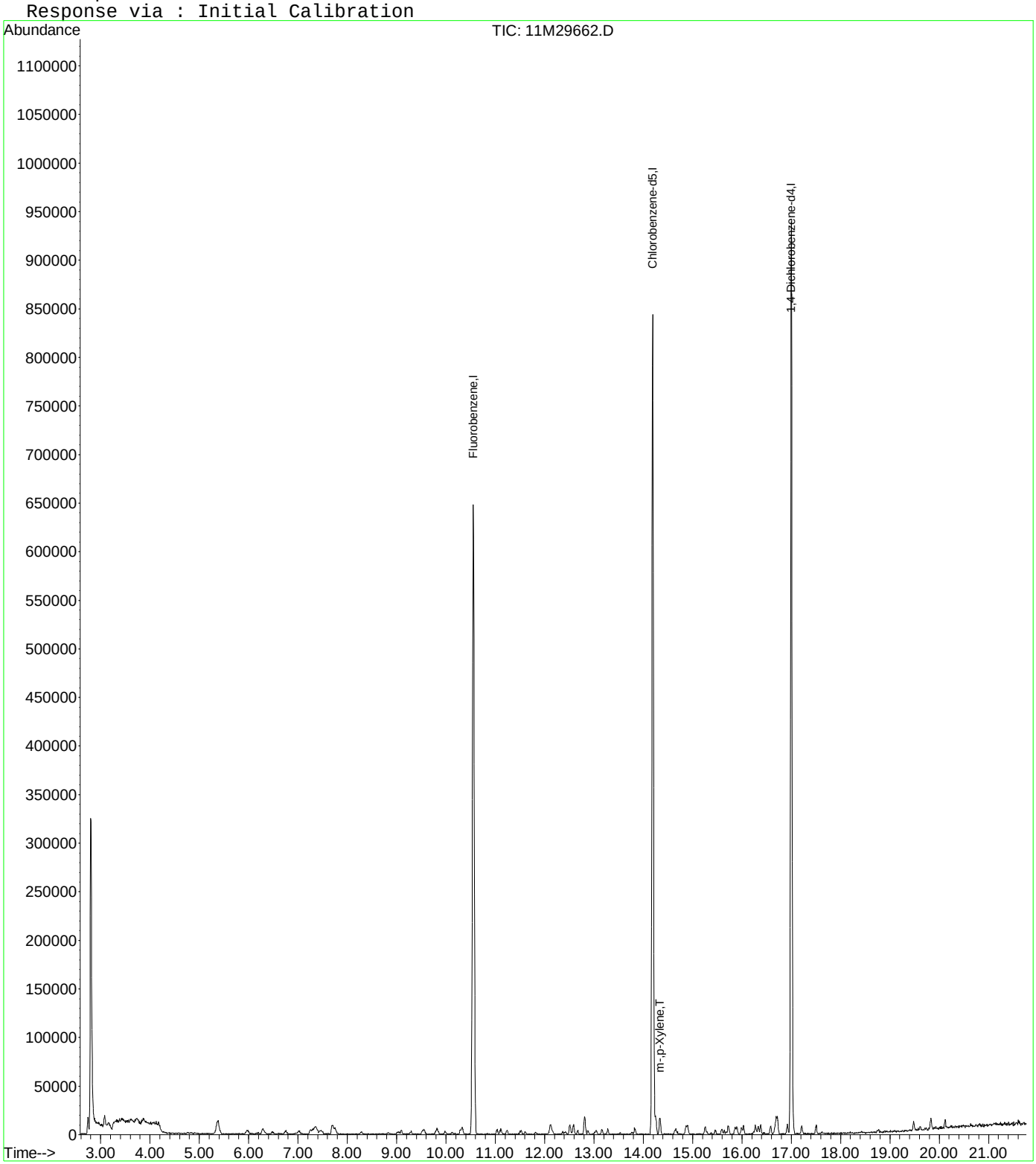
Target Compounds						Qvalue
61) m-,p-Xylene	14.33	106	7140	0.7769	ug/Kg	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101705\11M29662.D Vial: 7
Acq On : 17 Oct 2005 9:21 Operator: CMS
Sample : WG198725-02 0.5ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:24 2005 Quant Results File: 8260BSL.RES

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\101705\11M29663.D Vial: 8
Acq On : 17 Oct 2005 9:54 Operator: CMS
Sample : WG198725-03 1ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:25:01 2005 Quant Results File: 8260BSL.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Initial Calibration
DataAcq Meth : 8260SLST

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	10.555	96	686240	50.0000 ug/Kg	0.000
46) Chlorobenzene-d5	14.193	117	539156	50.0000 ug/Kg	0.000
66) 1,4-Dichlorobenzene-d4	17.003	152	283254	50.0000 ug/Kg	0.000

System Monitoring Compounds					
29) Dibromofluoromethane	9.563	111	3903	0.8312538 ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 1.66%#		
34) 1,2-Dichloroethane-d4	10.177	65	6174	0.9836477 ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 1.97%#		
47) Toluene-d8	12.416	98	14075	0.9172104 ug/Kg	0.00
Spiked Amount 50.000	Range 81 - 117		Recovery = 1.83%#		
68) p-Bromofluorobenzene	15.586	95	7457	1.1958958 ug/Kg	0.00
Spiked Amount 50.000	Range 74 - 121		Recovery = 2.39%#		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.14	85	6928	0.9199 ug/Kg	91
3) Chloromethane	3.63	50	8902	1.1224 ug/Kg	90
4) Vinyl Chloride	3.84	62	6448m	1.1494 ug/Kg	
12) 1,1-Dichloroethene	6.49	96	3947	0.8872 ug/Kg	83
13) Dimethyl Sulfide	6.75	62	5980	0.9512 ug/Kg	75
16) Methylene Chloride	7.26	84	4892	0.9953 ug/Kg	61
17) Carbon Disulfide	7.29	76	18038	1.1585 ug/Kg	93
19) Methyl Tert Butyl Ether	7.46	73	12931	1.0299 ug/Kg#	76
20) trans-1,2-Dichloroethene	7.70	96	3969	0.8281 ug/Kg	73
21) n-Hexane	7.77	57	9036	0.9756 ug/Kg#	87
23) 1,1-Dichloroethane	8.27	63	9058	0.8742 ug/Kg	96
26) cis-1,2-Dichloroethene	9.09	96	4404	0.8982 ug/Kg	80
27) Chloroform	9.29	83	8169	0.9305 ug/Kg	96
28) Bromochloromethane	9.51	130	2948	0.9730 ug/Kg	88
30) 1,1,1-Trichloroethane	9.80	97	6862	0.8712 ug/Kg	85
31) Cyclohexane	9.82	56	10238	1.0030 ug/Kg#	78
32) 1,1-Dichloropropene	9.99	75	6388	0.9373 ug/Kg	97
35) 1,2-Dichloroethane	10.29	62	7484	0.9069 ug/Kg#	91
36) Benzene	10.32	78	17412	0.9360 ug/Kg	98
37) Trichloroethene	11.03	130	4864	0.9398 ug/Kg	88
38) Methylcyclohexane	11.11	83	8143	1.0174 ug/Kg	77
39) 1,2-Dichloropropane	11.24	63	5281	0.9851 ug/Kg	78
40) Bromodichloromethane	11.52	83	5716	0.9366 ug/Kg#	92
41) Dibromomethane	11.61	93	2332	0.8726 ug/Kg#	76
44) cis-1,3-Dichloropropene	12.11	75	6382	0.8783 ug/Kg	97
48) Toluene	12.51	91	18793	0.9799 ug/Kg	95
50) trans-1,3-Dichloropropene	12.67	75	5594	0.8189 ug/Kg	97
51) 1,1,2-Trichloroethane	12.87	97	3482	0.9386 ug/Kg	71
53) 1,3-Dichloropropane	13.16	76	6539	0.9653 ug/Kg	82
54) Tetrachloroethene	13.29	164	4012	0.9499 ug/Kg	93
56) 1,2-Dibromoethane	13.77	107	3699	0.8943 ug/Kg	94
57) 1-Chlorohexane	13.83	91	6834	1.0933 ug/Kg	77
58) Chlorobenzene	14.24	112	14780	1.1024 ug/Kg	86
59) 1,1,1,2-Tetrachloroethane	14.27	131	3830	0.8898 ug/Kg	91
60) Ethylbenzene	14.25	106	7057	0.9585 ug/Kg	81
61) m-,p-Xylene	14.34	106	16274	1.8752 ug/Kg	87
62) o-Xylene	14.87	91	14380	0.8457 ug/Kg	84
63) Styrene	14.90	104	11849	0.8452 ug/Kg	95
64) Bromoform	15.37	173	2001	2.7156 ug/Kg#	66
65) Isopropylbenzene	15.25	105	17778	0.8173 ug/Kg	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\101705\11M29663.D Vial: 8
Acq On : 17 Oct 2005 9:54 Operator: CMS
Sample : WG198725-03 1ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:25:01 2005 Quant Results File: 8260BSL.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Initial Calibration
DataAcq Meth : 8260SLST

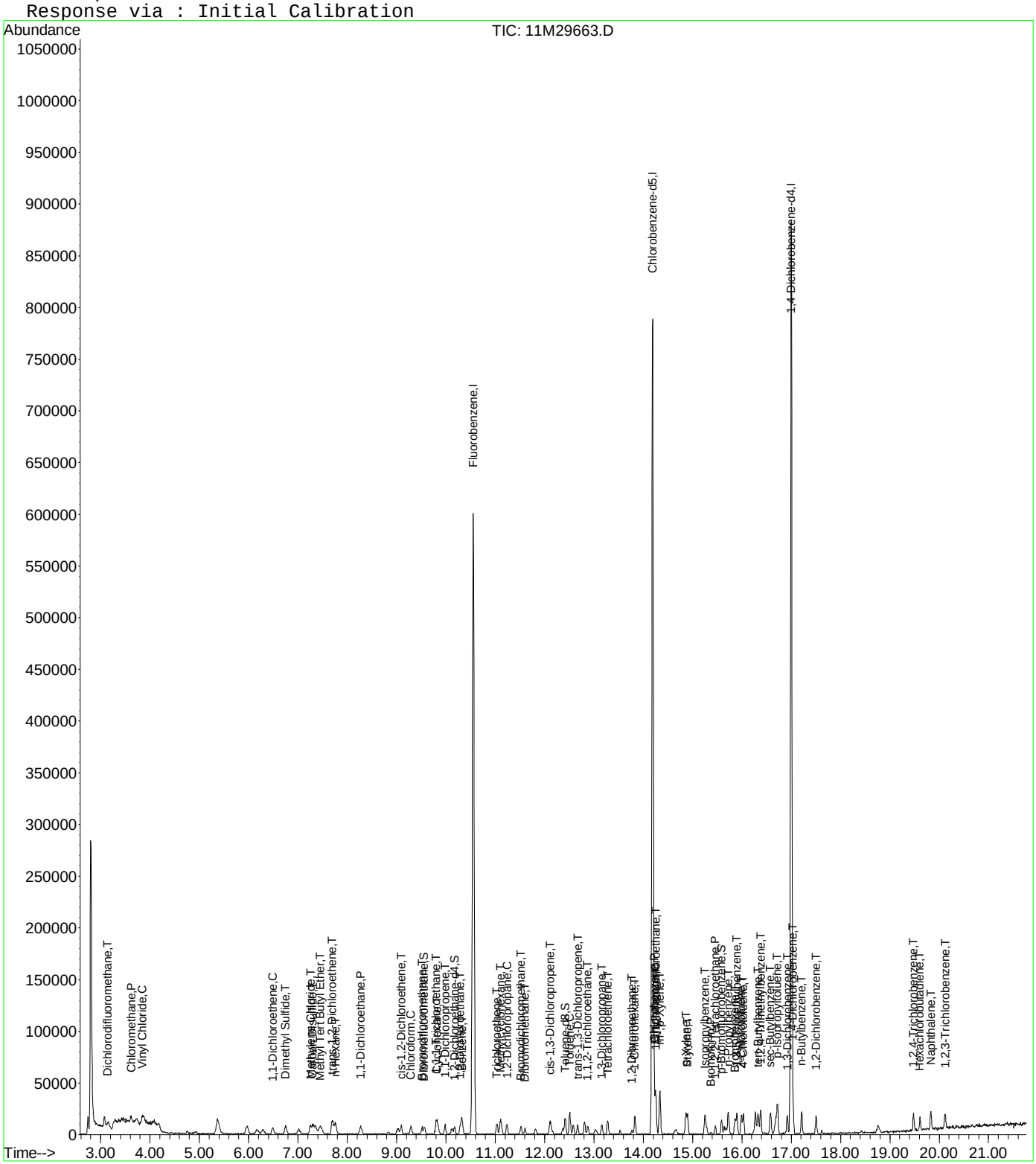
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
67)	1,1,2,2-Tetrachloroethane	15.46	83	5739	1.0920 ug/Kg	96
71)	n-Propylbenzene	15.72	91	23301	0.9137 ug/Kg	90
72)	Bromobenzene	15.86	156	5106	0.9661 ug/Kg	68
73)	1,3,5-Trimethylbenzene	15.90	105	16055	0.8808 ug/Kg	96
74)	2-Chlorotoluene	15.99	91	13717	0.8911 ug/Kg	87
75)	4-Chlorotoluene	16.04	91	14967m	0.9939 ug/Kg	
77)	tert-Butylbenzene	16.33	134	3604	0.9262 ug/Kg	83
78)	1,2,4-Trimethylbenzene	16.38	105	17798	0.9457 ug/Kg	95
79)	sec-Butylbenzene	16.58	105	22443	0.9209 ug/Kg	97
80)	p-Isopropyltoluene	16.72	119	19639	0.9701 ug/Kg	100
81)	1,3-Dichlorobenzene	16.92	146	10789	1.0048 ug/Kg	91
82)	1,4-Dichlorobenzene	17.04	146	10996	1.0095 ug/Kg	81
83)	n-Butylbenzene	17.22	91	16516	0.8946 ug/Kg	95
84)	1,2-Dichlorobenzene	17.50	146	9873	0.9794 ug/Kg	89
86)	1,2,4-Trichlorobenzene	19.49	180	7008	1.0035 ug/Kg	92
87)	Hexachlorobutadiene	19.61	225	3003	0.9388 ug/Kg	97
88)	Naphthalene	19.83	128	16674	0.9402 ug/Kg	99
89)	1,2,3-Trichlorobenzene	20.12	180	6612	1.0011 ug/Kg	86

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\101705\11M29663.D Vial: 8
Acq On : 17 Oct 2005 9:54 Operator: CMS
Sample : WG198725-03 1ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:27 2005 Quant Results File: 8260BSL.RES

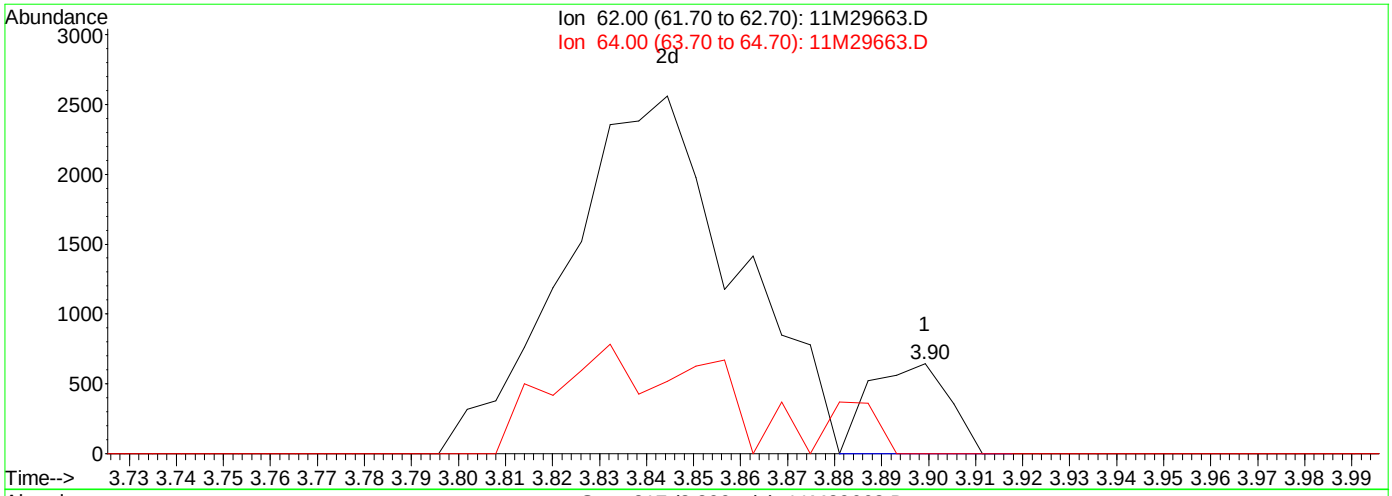
Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Initial Calibration

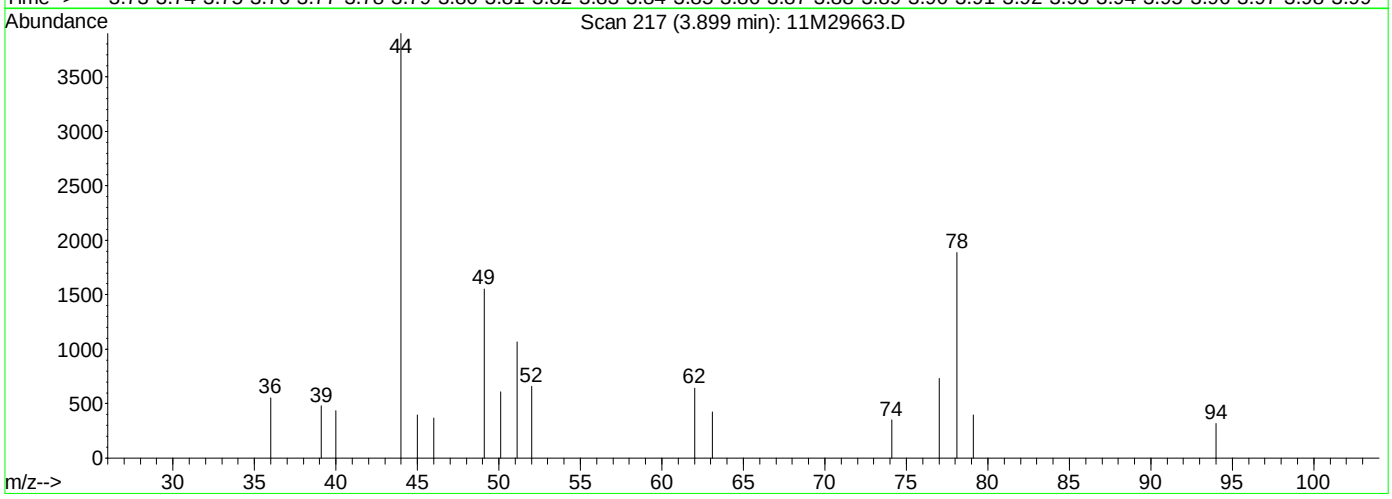


Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101705\11M29663.D Vial: 8
Acq On : 17 Oct 2005 9:54 Operator: CMS
Sample : WG198725-03 1ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:25 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Multiple Level Calibration





TIC: 11M29663.D

(4) Vinyl Chloride (C)

3.90min 0.14ug/Kg

response 759

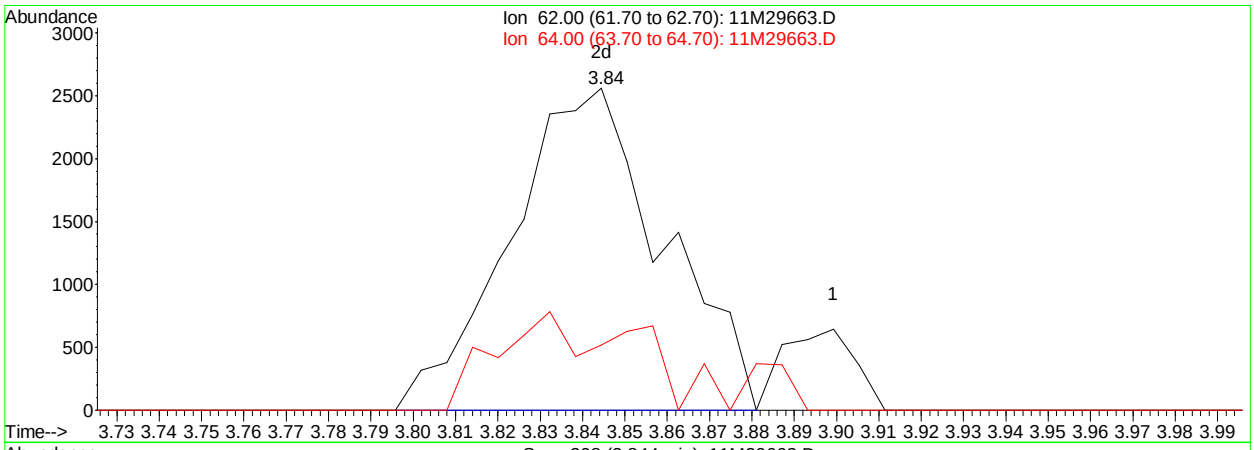
Ion	Exp%	Act%
62.00	100	100
64.00	30.90	35.18
0.00	0.00	0.00
0.00	0.00	0.00

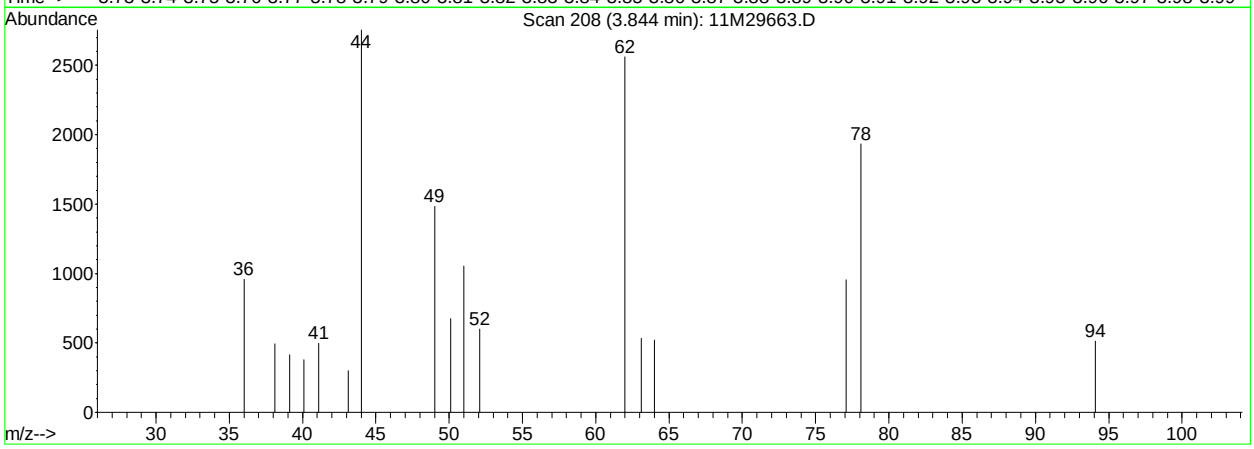
11M29663.D 8260BSL.M Mon Oct 17 18:25:20 2005

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101705\11M29663.D Vial: 8
Acq On : 17 Oct 2005 9:54 Operator: CMS
Sample : WG198725-03 1ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:25 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Multiple Level Calibration





TIC: 11M29663.D

(4) Vinyl Chloride (C)

3.84min 1.15ug/Kg m

response 6448

Ion	Exp%	Act%
62.00	100	100
64.00	30.90	4.14#
0.00	0.00	0.00
0.00	0.00	0.00

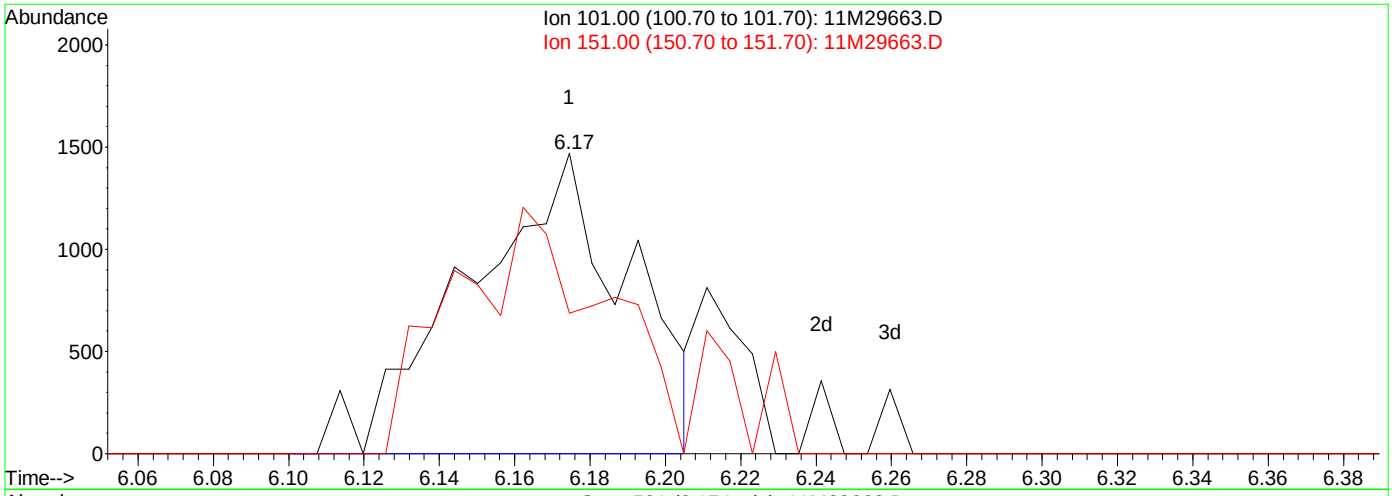
11M29663.D 8260BSL.M Mon Oct 17 18:25:24 2005

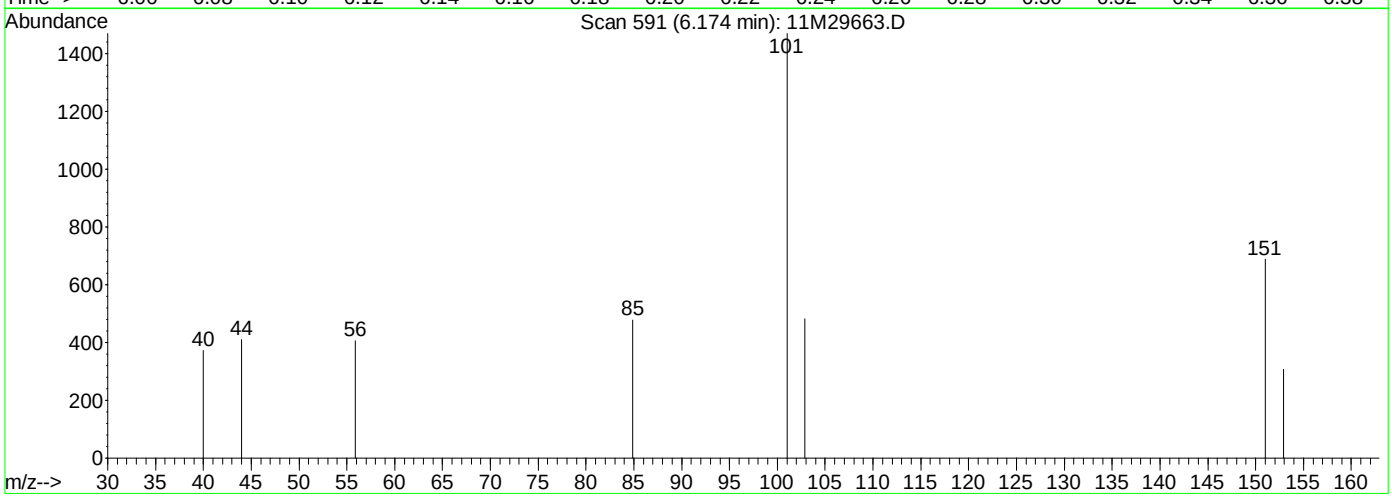
Approved: October 18, 2005	Supervisor: October 18, 2005
Reason #1: Data System Fails to Select Correct Peak	
Crystal Stevens	

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101705\11M29663.D Vial: 8
Acq On : 17 Oct 2005 9:54 Operator: CMS
Sample : WG198725-03 1ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:25 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Single Level Calibration





TIC: 11M29663.D

(10) 1,1,2-Trichloro-1,2,2-Trifluoroethane (T)

6.17min 0.82ug/Kg

response 4384

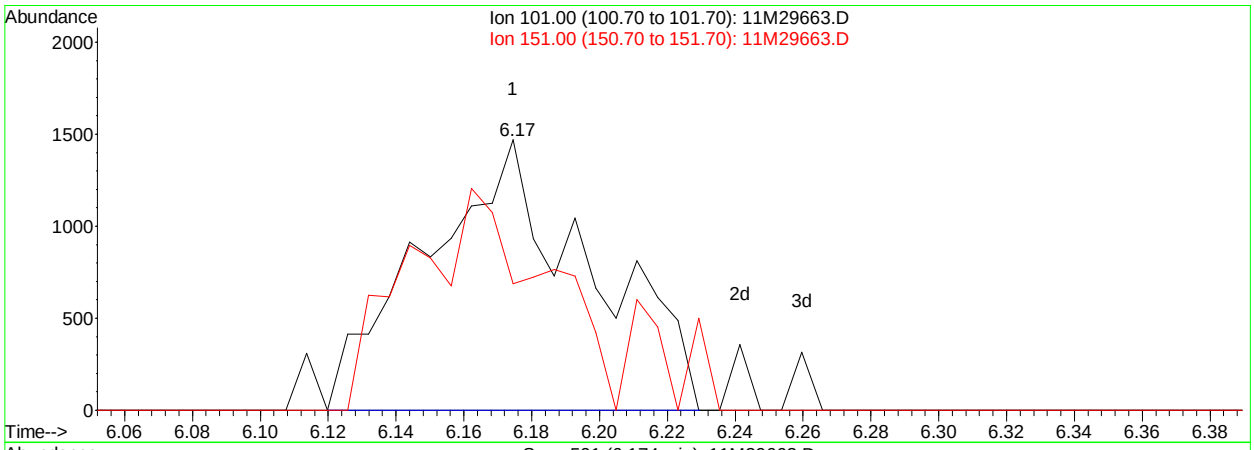
Ion	Exp%	Act%
101.00	100	100
151.00	66.60	77.01
0.00	0.00	0.00
0.00	0.00	0.00

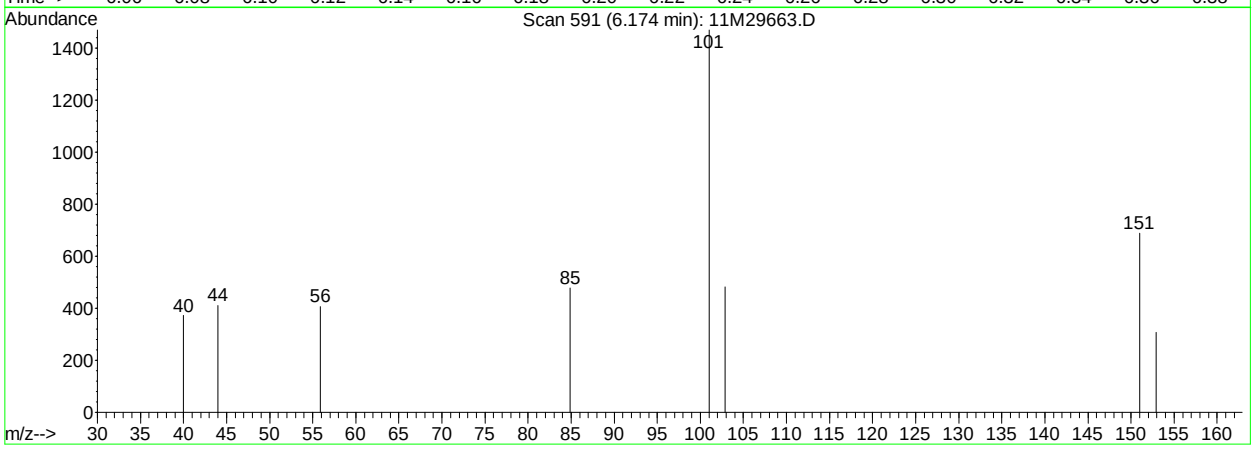
11M29663.D 8260BSL.M Mon Oct 17 18:25:31 2005

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101705\11M29663.D Vial: 8
Acq On : 17 Oct 2005 9:54 Operator: CMS
Sample : WG198725-03 1ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:25 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Single Level Calibration





TIC: 11M29663.D

(10) 1,1,2-Trichloro-1,2,2-Trifluoroethane (T)

6.17min 0.93ug/Kg m

response 4969

Ion	Exp%	Act%
101.00	100	100
151.00	66.60	67.94
0.00	0.00	0.00
0.00	0.00	0.00

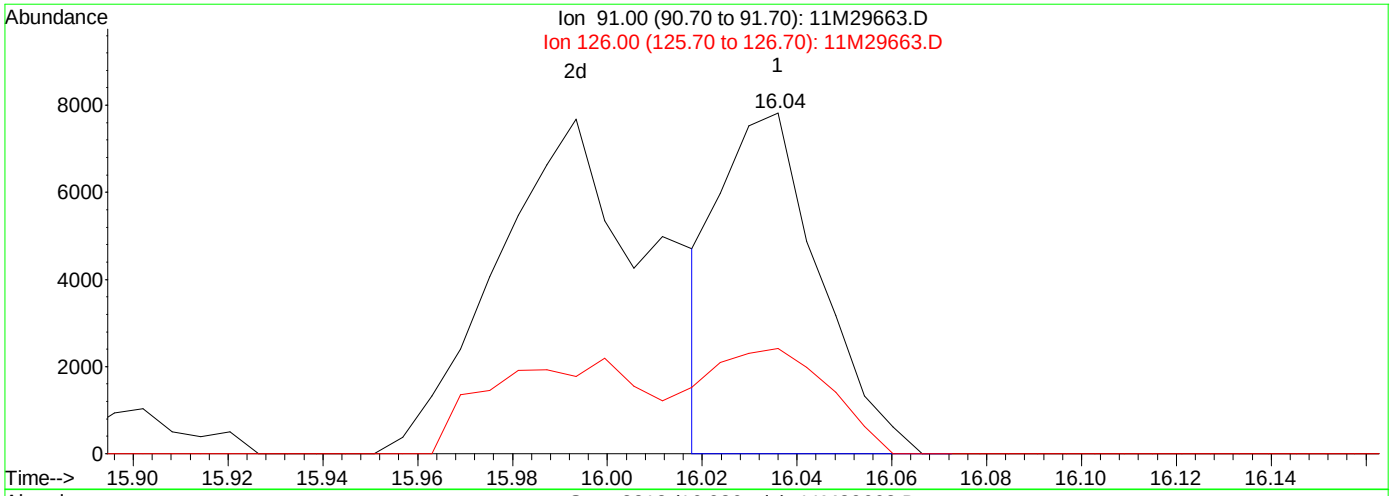
11M29663.D 8260BSL.M Mon Oct 17 18:25:36 2005

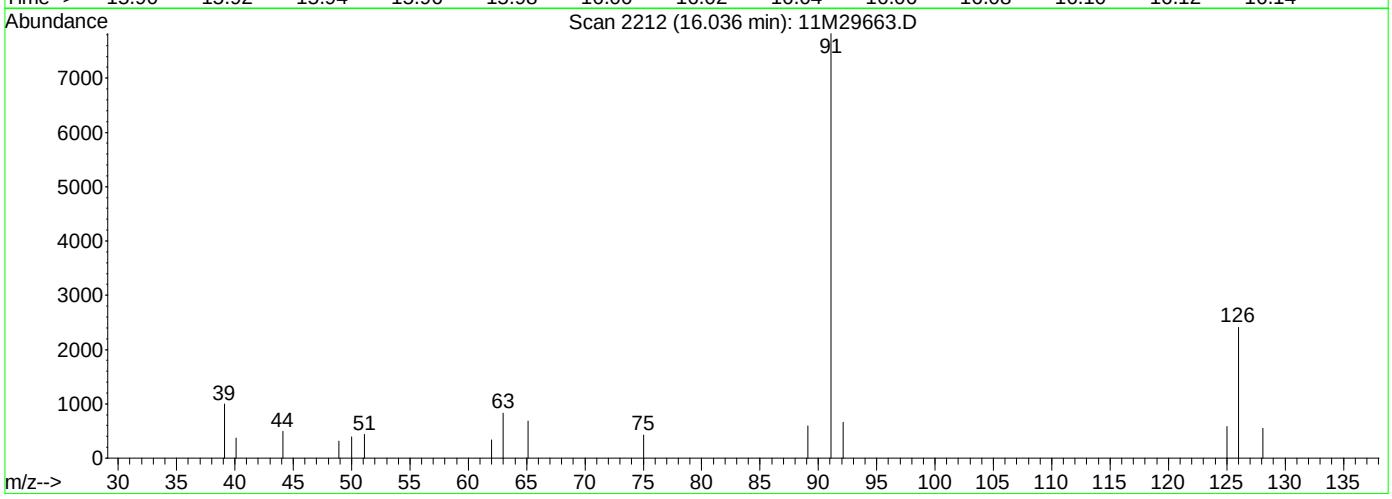
Approved: October 18, 2005	Supervisor: October 18, 2005
Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak	
Crystal Stevens	

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101705\11M29663.D Vial: 8
Acq On : 17 Oct 2005 9:54 Operator: CMS
Sample : WG198725-03 1ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:25 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Multiple Level Calibration





TIC: 11M29663.D

(75) 4-Chlorotoluene (T)

16.04min 0.76ug/Kg

response 11429

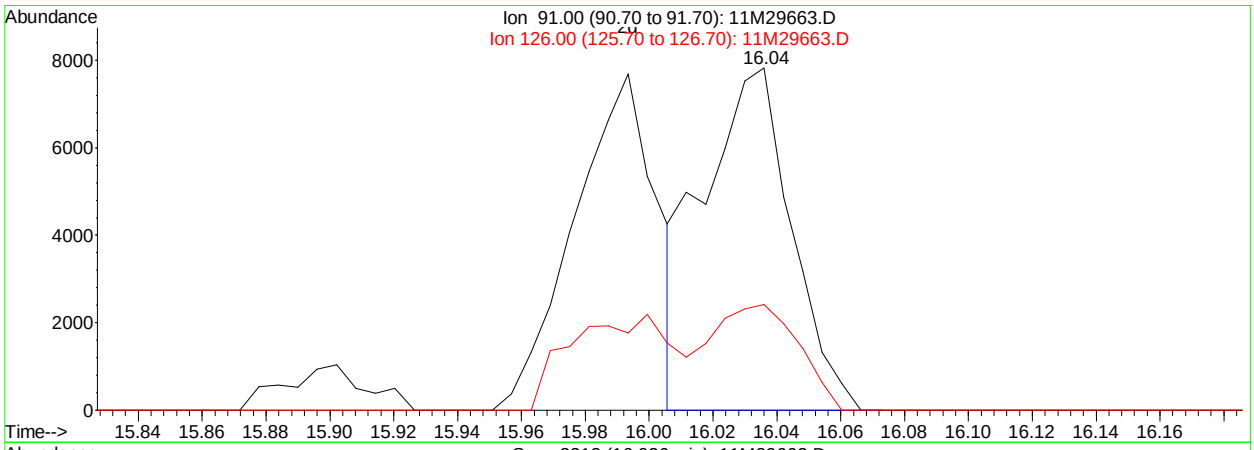
Ion	Exp%	Act%
91.00	100	100
126.00	29.50	39.53
0.00	0.00	0.00
0.00	0.00	0.00

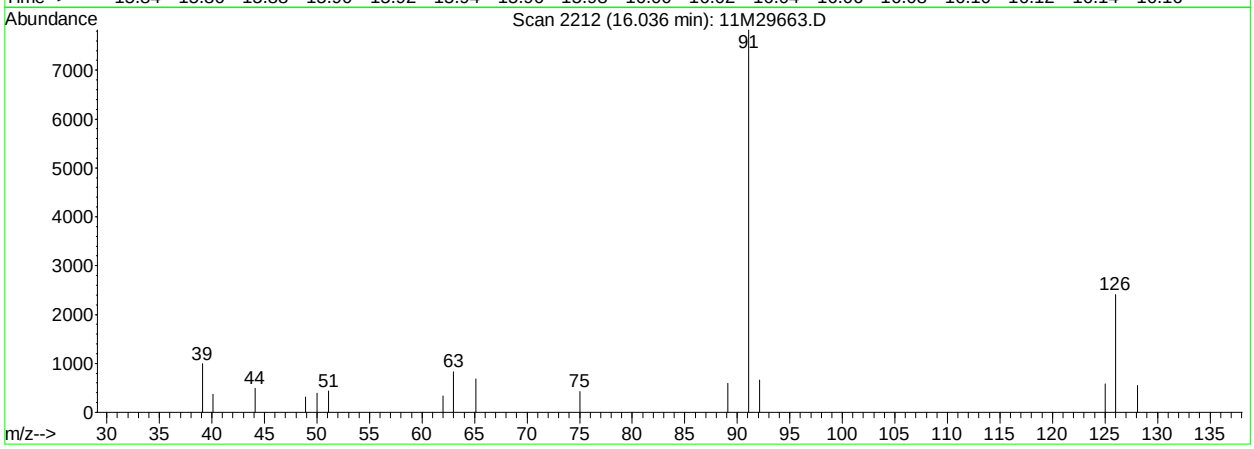
11M29663.D 8260BSL.M Mon Oct 17 18:25:45 2005

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101705\11M29663.D Vial: 8
Acq On : 17 Oct 2005 9:54 Operator: CMS
Sample : WG198725-03 1ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:27 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:43:13 2005
Response via : Multiple Level Calibration





TIC: 11M29663.D

(75) 4-Chlorotoluene (T)

16.04min 0.99ug/Kg m

response 14967

Ion	Exp%	Act%
91.00	100	100
126.00	29.50	30.19
0.00	0.00	0.00
0.00	0.00	0.00

11M29663.D 8260BSL.M Tue Oct 18 14:10:30 2005

Approved: October 18, 2005	Supervisor: October 18, 2005
Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak	
Crystal Stevens	

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\101705\11M29664.D Vial: 9
Acq On : 17 Oct 2005 10:26 Operator: CMS
Sample : WG198725-04 2ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:27:25 2005 Quant Results File: 8260BSL.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Initial Calibration
DataAcq Meth : 8260SLST

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	10.554	96	657562	50.0000 ug/Kg	0.000
46) Chlorobenzene-d5	14.192	117	511911	50.0000 ug/Kg	0.000
66) 1,4-Dichlorobenzene-d4	17.003	152	273814	50.0000 ug/Kg	0.000

System Monitoring Compounds					
29) Dibromofluoromethane	9.581	111	8411	1.8694852 ug/Kg	0.01
Spiked Amount 50.000	Range 80 - 120		Recovery = 3.74%#		
34) 1,2-Dichloroethane-d4	10.183	65	10728	1.7837378 ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 3.57%#		
47) Toluene-d8	12.410	98	27354	1.8774197 ug/Kg	0.00
Spiked Amount 50.000	Range 81 - 117		Recovery = 3.75%#		
68) p-Bromofluorobenzene	15.579	95	10690	1.7734841 ug/Kg	0.00
Spiked Amount 50.000	Range 74 - 121		Recovery = 3.55%#		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.14	85	14952	2.0718 ug/Kg	96
3) Chloromethane	3.61	50	17117	2.2523 ug/Kg	97
4) Vinyl Chloride	3.84	62	12443	2.3147 ug/Kg	86
5) Bromomethane	4.76	94	5145	3.1715 ug/Kg	99
6) Chloroethane	4.93	64	7574	1.9256 ug/Kg#	68
7) Trichlorofluoromethane	5.40	101	16004	1.7473 ug/Kg#	55
10) 1,1,2-Trichloro-1,2,2-Trif	6.17	101	9918m	1.9373 ug/Kg	
12) 1,1-Dichloroethene	6.48	96	8477	1.9885 ug/Kg	82
13) Dimethyl Sulfide	6.75	62	10599	1.7594 ug/Kg	80
15) Methyl acetate	7.02	43	11415	2.4765 ug/Kg#	44
16) Methylene Chloride	7.25	84	9625	2.0437 ug/Kg#	51
17) Carbon Disulfide	7.31	76	27901	1.8701 ug/Kg	96
19) Methyl Tert Butyl Ether	7.45	73	22124m	1.8389 ug/Kg	
20) trans-1,2-Dichloroethene	7.70	96	9959	2.1686 ug/Kg	93
21) n-Hexane	7.76	57	15370	1.7318 ug/Kg#	77
23) 1,1-Dichloroethane	8.29	63	20802	2.0952 ug/Kg#	91
25) 2,2-Dichloropropane	9.03	77	13372	1.7970 ug/Kg#	75
26) cis-1,2-Dichloroethene	9.09	96	9280	1.9753 ug/Kg	73
27) Chloroform	9.30	83	16765	1.9929 ug/Kg	98
28) Bromochloromethane	9.52	130	5489	1.8906 ug/Kg	92
30) 1,1,1-Trichloroethane	9.79	97	13922	1.8446 ug/Kg	81
31) Cyclohexane	9.83	56	17359	1.7749 ug/Kg#	80
32) 1,1-Dichloropropene	9.98	75	12426	1.9027 ug/Kg	91
33) Carbon Tetrachloride	10.13	117	11296	2.5577 ug/Kg#	57
35) 1,2-Dichloroethane	10.28	62	16456	2.0811 ug/Kg#	97
36) Benzene	10.32	78	36584	2.0524 ug/Kg	98
37) Trichloroethene	11.04	130	10094	2.0353 ug/Kg	87
38) Methylcyclohexane	11.11	83	14184	1.8495 ug/Kg	83
39) 1,2-Dichloropropane	11.23	63	10564	2.0564 ug/Kg	96
40) Bromodichloromethane	11.52	83	10587	1.8103 ug/Kg	98
41) Dibromomethane	11.60	93	5164	2.0165 ug/Kg	83
44) cis-1,3-Dichloropropene	12.11	75	12719	1.8268 ug/Kg	97
48) Toluene	12.51	91	36698	2.0154 ug/Kg	100
49) Ethyl Methacrylate	12.58	69	8062	3.4994 ug/Kg	96
50) trans-1,3-Dichloropropene	12.67	75	12160	1.8749 ug/Kg	94
51) 1,1,2-Trichloroethane	12.88	97	7147	2.0290 ug/Kg	99
53) 1,3-Dichloropropane	13.16	76	13261	2.0619 ug/Kg	79
54) Tetrachloroethene	13.29	164	8479	2.1143 ug/Kg	87
55) Dibromochloromethane	13.53	129	6997	1.6899 ug/Kg	90
56) 1,2-Dibromoethane	13.77	107	7834	1.9948 ug/Kg	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\101705\11M29664.D Vial: 9
Acq On : 17 Oct 2005 10:26 Operator: CMS
Sample : WG198725-04 2ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:27:25 2005 Quant Results File: 8260BSL.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Initial Calibration
DataAcq Meth : 8260SLST

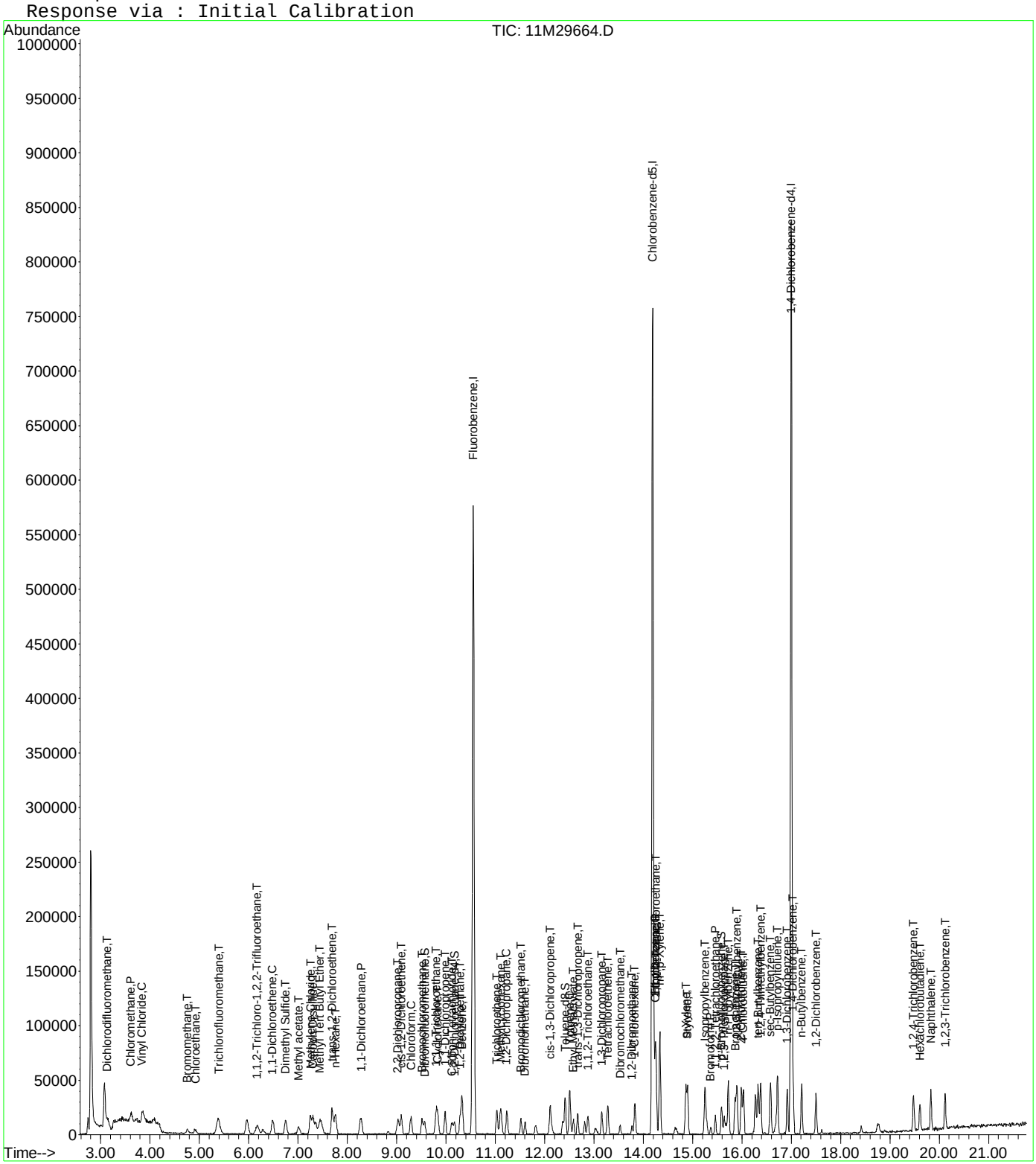
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
57)	1-Chlorohexane	13.83	91	10700	1.8029	ug/Kg	79
58)	Chlorobenzene	14.24	112	25990	2.0417	ug/Kg	94
59)	1,1,1,2-Tetrachloroethane	14.26	131	7676	1.8782	ug/Kg	99
60)	Ethylbenzene	14.25	106	14710	2.1044	ug/Kg	74
61)	m-,p-Xylene	14.34	106	34338	4.1673	ug/Kg	81
62)	o-Xylene	14.87	91	33178	2.0552	ug/Kg	94
63)	Styrene	14.90	104	25570	1.9210	ug/Kg	89
64)	Bromoform	15.37	173	4331	3.4691	ug/Kg	97
65)	Isopropylbenzene	15.25	105	41707	2.0194	ug/Kg	98
67)	1,1,2,2-Tetrachloroethane	15.46	83	11203	2.2051	ug/Kg	95
69)	1,2,3-Trichloropropane	15.64	110	3045	1.9005	ug/Kg#	46
71)	n-Propylbenzene	15.73	91	48223	1.9561	ug/Kg	90
72)	Bromobenzene	15.87	156	10245	2.0052	ug/Kg	65
73)	1,3,5-Trimethylbenzene	15.90	105	35232	1.9996	ug/Kg	99
74)	2-Chlorotoluene	15.99	91	28234	1.8974	ug/Kg	87
75)	4-Chlorotoluene	16.04	91	30706m	2.1093	ug/Kg	
77)	tert-Butylbenzene	16.32	134	7462	1.9839	ug/Kg#	53
78)	1,2,4-Trimethylbenzene	16.38	105	36420	2.0018	ug/Kg	97
79)	sec-Butylbenzene	16.58	105	46013	1.9532	ug/Kg	96
80)	p-Isopropyltoluene	16.73	119	39811	2.0343	ug/Kg	100
81)	1,3-Dichlorobenzene	16.92	146	21946	2.1143	ug/Kg	90
82)	1,4-Dichlorobenzene	17.04	146	21169	2.0105	ug/Kg	99
83)	n-Butylbenzene	17.22	91	34955	1.9587	ug/Kg	92
84)	1,2-Dichlorobenzene	17.51	146	19872	2.0393	ug/Kg	91
86)	1,2,4-Trichlorobenzene	19.49	180	13686	2.0273	ug/Kg	97
87)	Hexachlorobutadiene	19.62	225	6470	2.0924	ug/Kg	98
88)	Naphthalene	19.83	128	34123	1.9903	ug/Kg	98
89)	1,2,3-Trichlorobenzene	20.12	180	13024	2.0399	ug/Kg	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\101705\11M29664.D Vial: 9
Acq On : 17 Oct 2005 10:26 Operator: CMS
Sample : WG198725-04 2ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:28 2005 Quant Results File: 8260BSL.RES

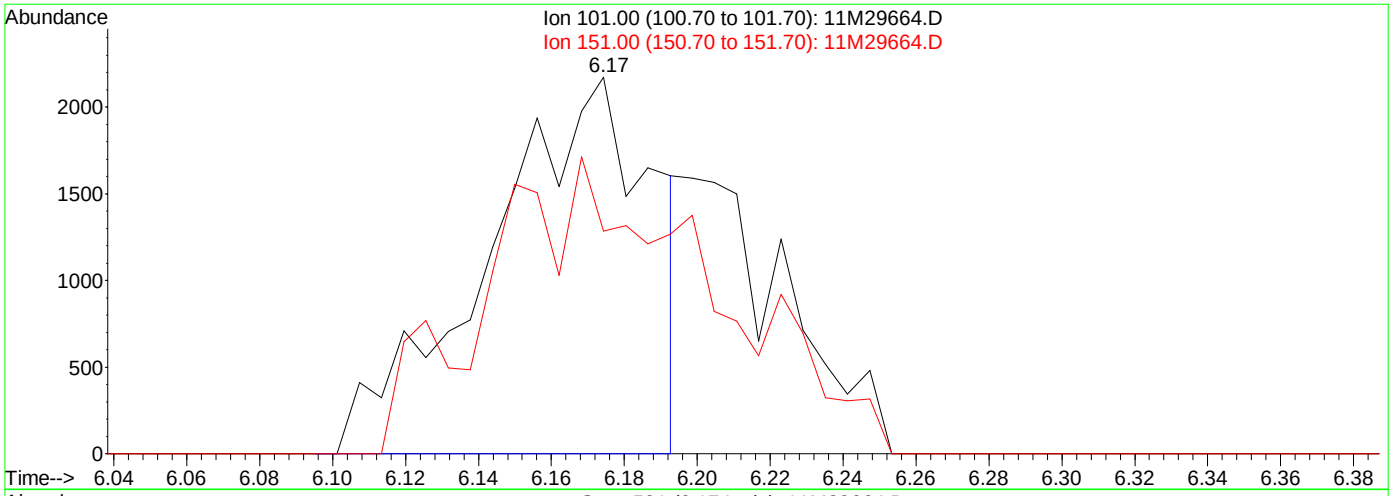
Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Initial Calibration

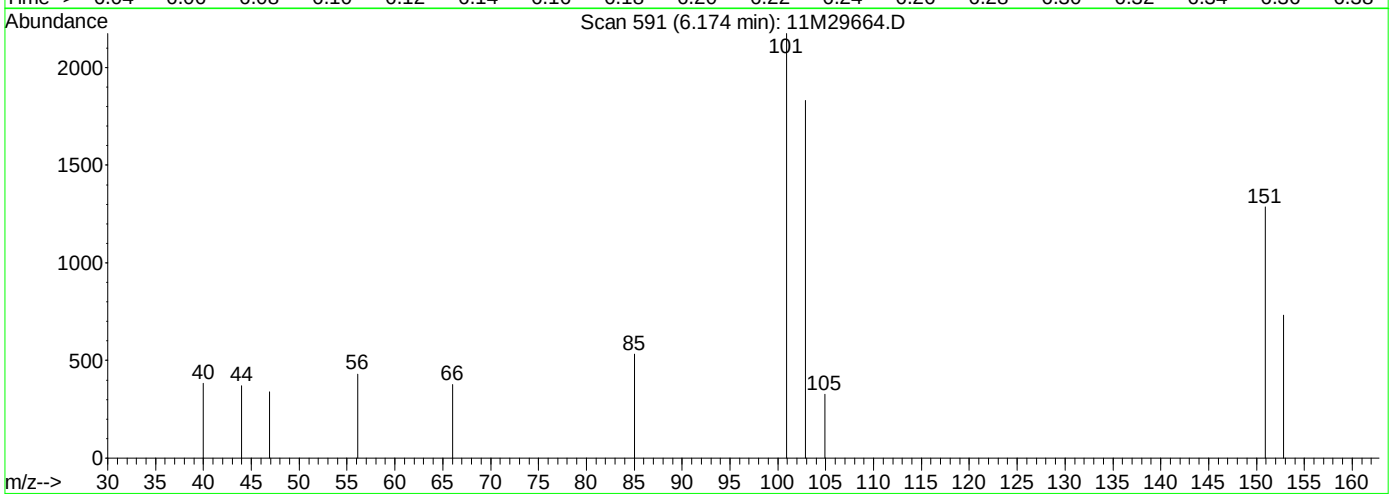


Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101705\11M29664.D Vial: 9
Acq On : 17 Oct 2005 10:26 Operator: CMS
Sample : WG198725-04 2ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:28 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Single Level Calibration





TIC: 11M29664.D

(10) 1,1,2-Trichloro-1,2,2-Trifluoroethane (T)

6.17min 1.32ug/Kg

response 6780

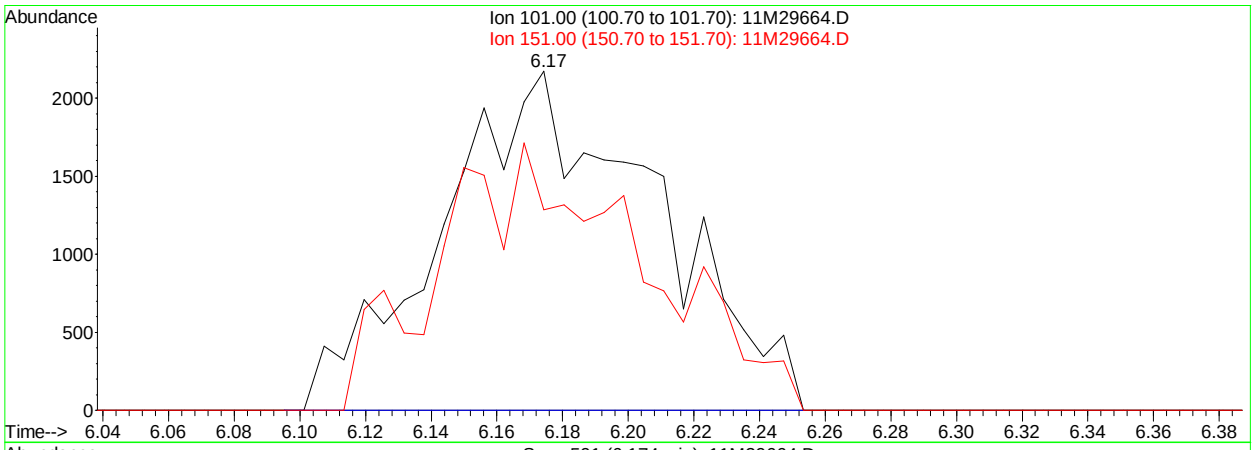
Ion	Exp%	Act%
101.00	100	100
151.00	66.60	17.29#
0.00	0.00	0.00
0.00	0.00	0.00

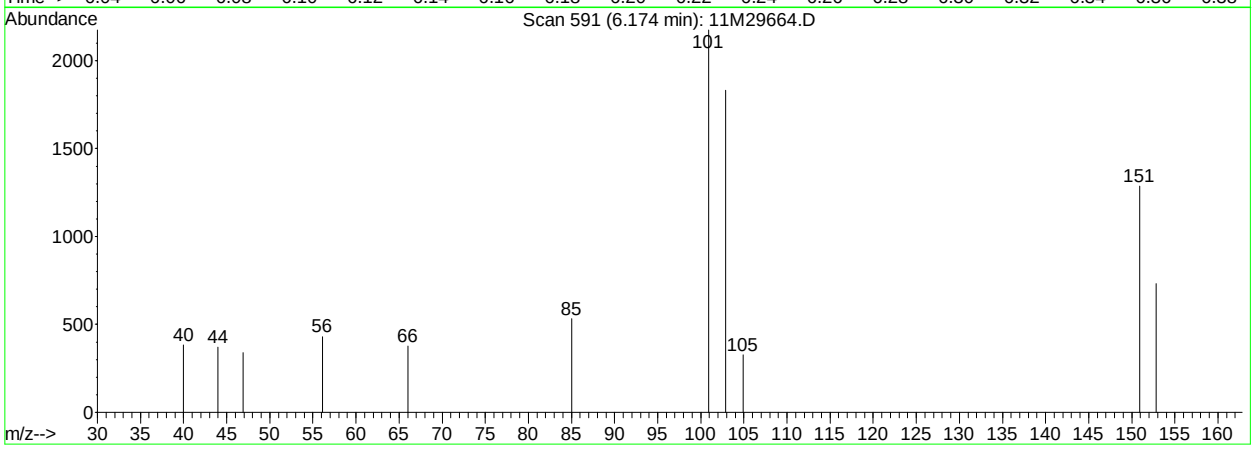
11M29664.D 8260BSL.M Mon Oct 17 18:28:18 2005

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101705\11M29664.D Vial: 9
Acq On : 17 Oct 2005 10:26 Operator: CMS
Sample : WG198725-04 2ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:28 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Single Level Calibration





TIC: 11M29664.D

(10) 1,1,2-Trichloro-1,2,2-Trifluoroethane (T)

6.17min 1.94ug/Kg m

response 9918

Ion	Exp%	Act%
101.00	100	100
151.00	66.60	11.82#
0.00	0.00	0.00
0.00	0.00	0.00

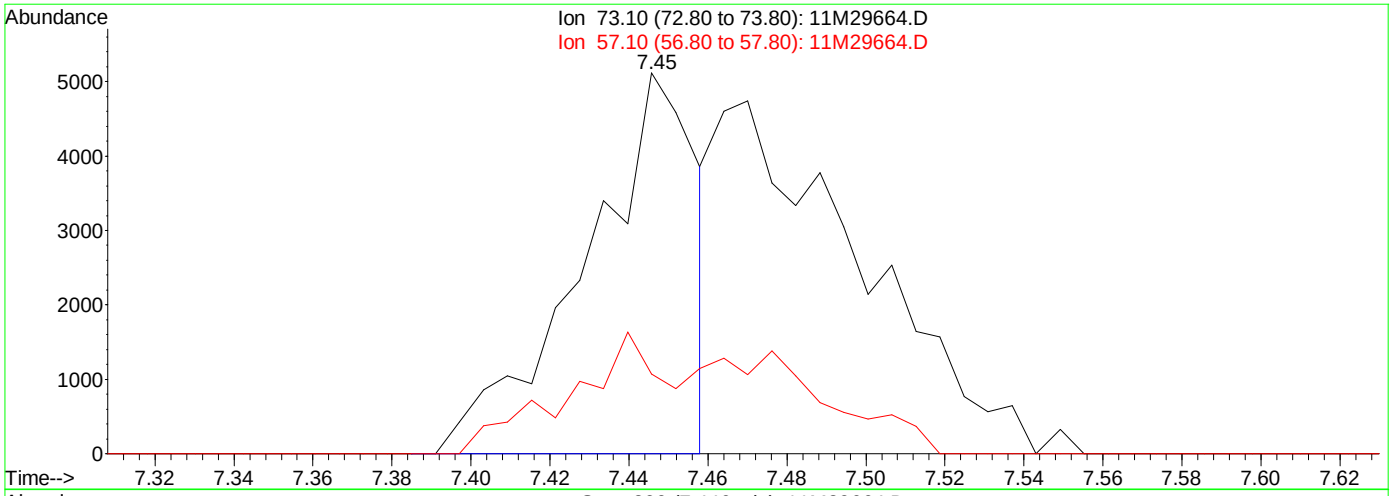
11M29664.D 8260BSL.M Mon Oct 17 18:28:22 2005

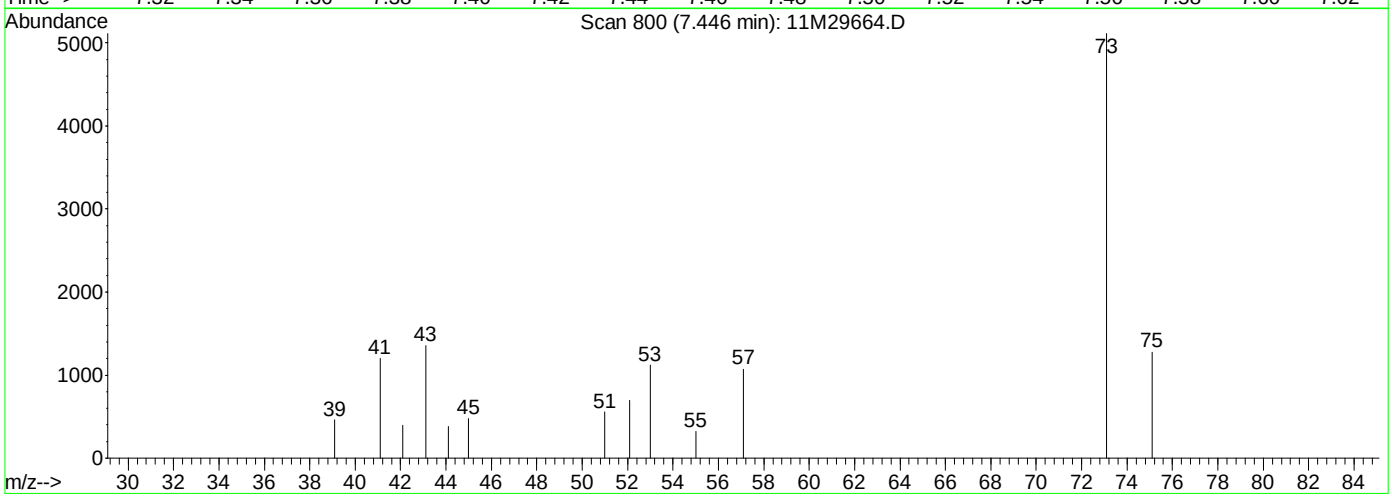
Approved: October 18, 2005	Supervisor: October 18, 2005
Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak	
Crystal Stevens	

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101705\11M29664.D Vial: 9
Acq On : 17 Oct 2005 10:26 Operator: CMS
Sample : WG198725-04 2ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:28 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Multiple Level Calibration





TIC: 11M29664.D

(19) Methyl Tert Butyl Ether (T)

7.45min 0.84ug/Kg

response 10078

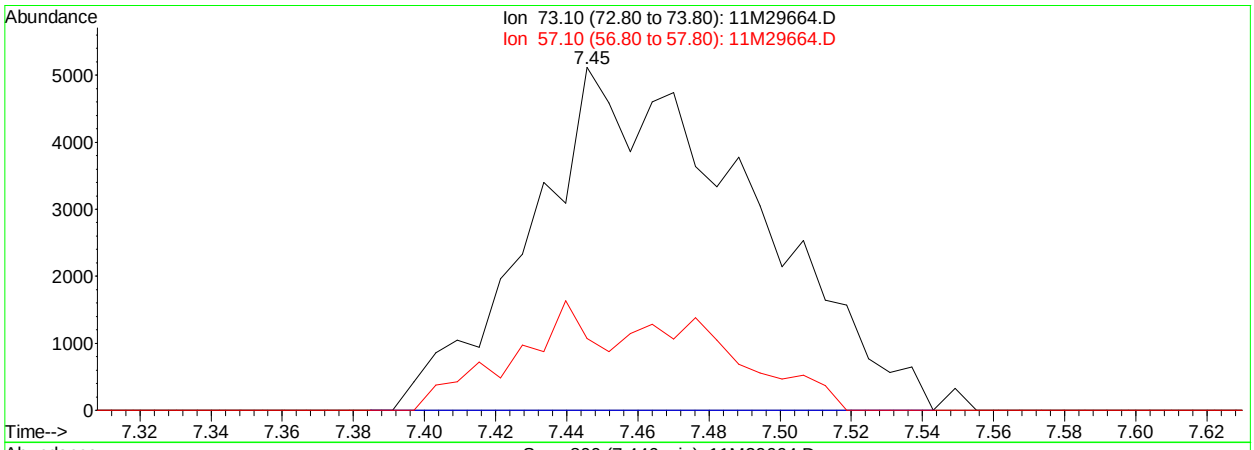
Ion	Exp%	Act%
73.10	100	100
57.10	24.80	26.92
0.00	0.00	0.00
0.00	0.00	0.00

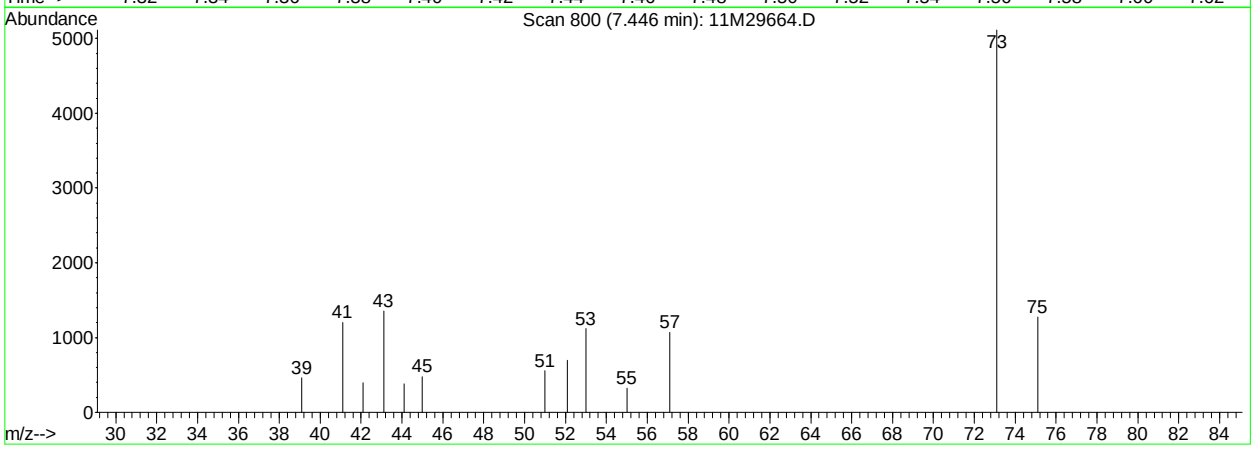
11M29664.D 8260BSL.M Mon Oct 17 18:28:34 2005

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101705\11M29664.D Vial: 9
Acq On : 17 Oct 2005 10:26 Operator: CMS
Sample : WG198725-04 2ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:28 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Multiple Level Calibration





TIC: 11M29664.D

(19) Methyl Tert Butyl Ether (T)

7.45min 1.84ug/Kg m

response 22124

Ion	Exp%	Act%
73.10	100	100
57.10	24.80	12.26#
0.00	0.00	0.00
0.00	0.00	0.00

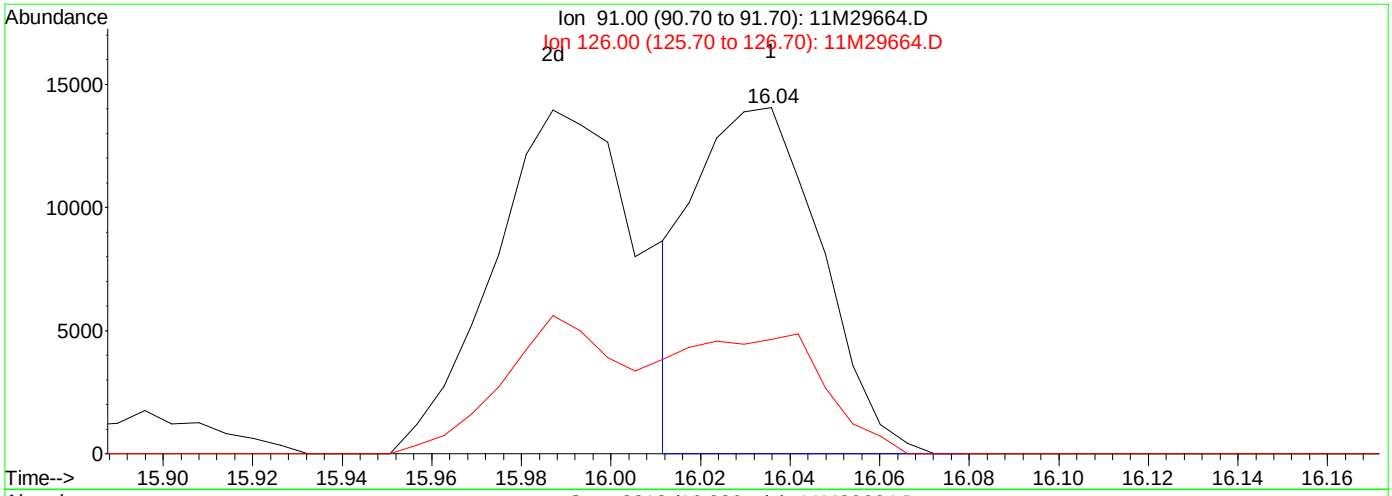
11M29664.D 8260BSL.M Mon Oct 17 18:28:38 2005

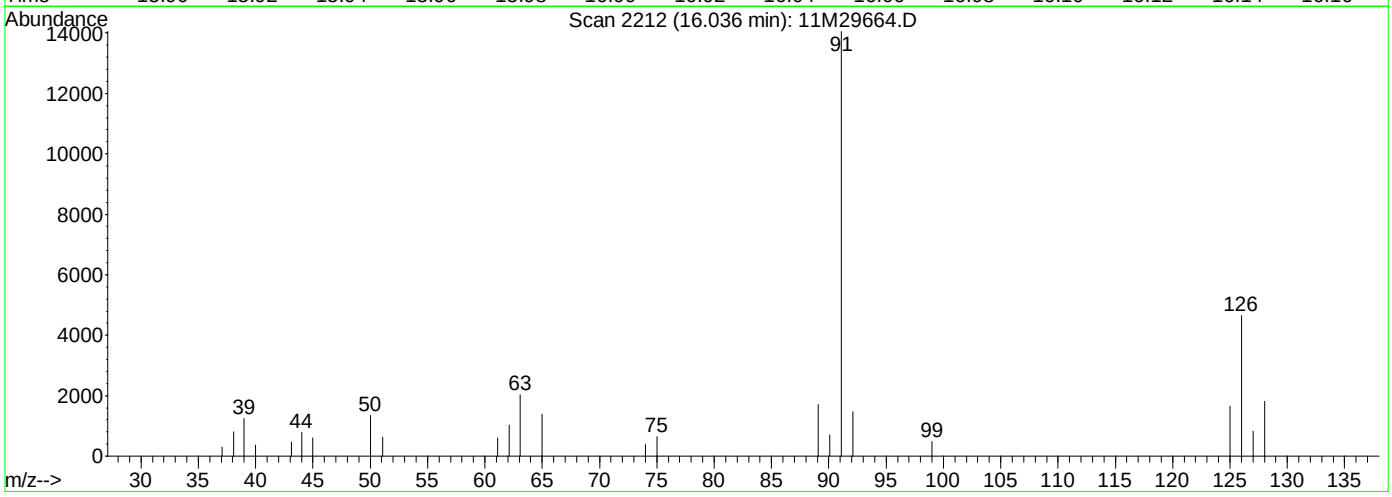
Approved: October 18, 2005	Supervisor: October 18, 2005
Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak	
Crystal Stevens	

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101705\11M29664.D Vial: 9
Acq On : 17 Oct 2005 10:26 Operator: CMS
Sample : WG198725-04 2ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:28 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Multiple Level Calibration





TIC: 11M29664.D

(75) 4-Chlorotoluene (T)

16.04min 1.89ug/Kg

response 27551

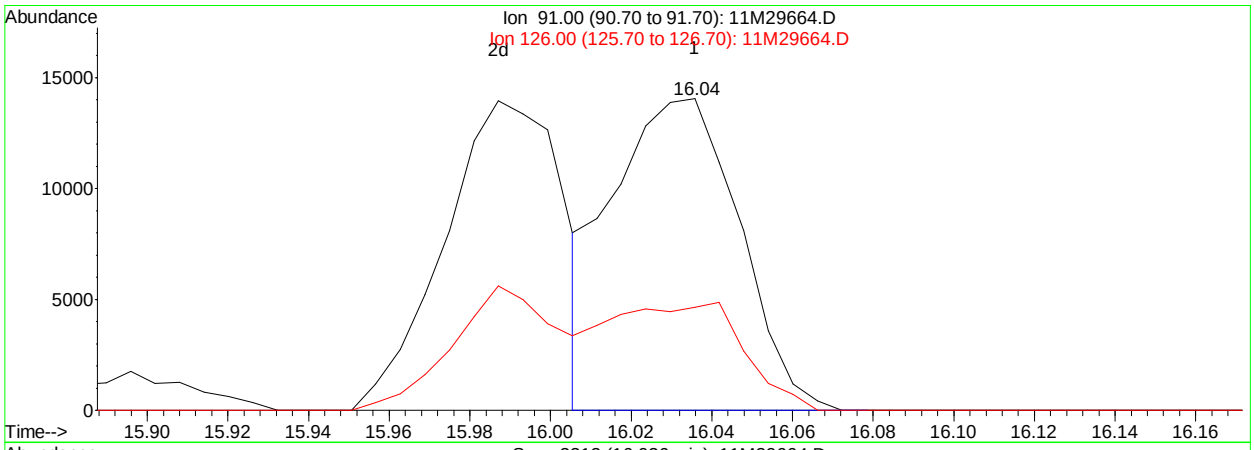
Ion	Exp%	Act%
91.00	100	100
126.00	29.50	36.33
0.00	0.00	0.00
0.00	0.00	0.00

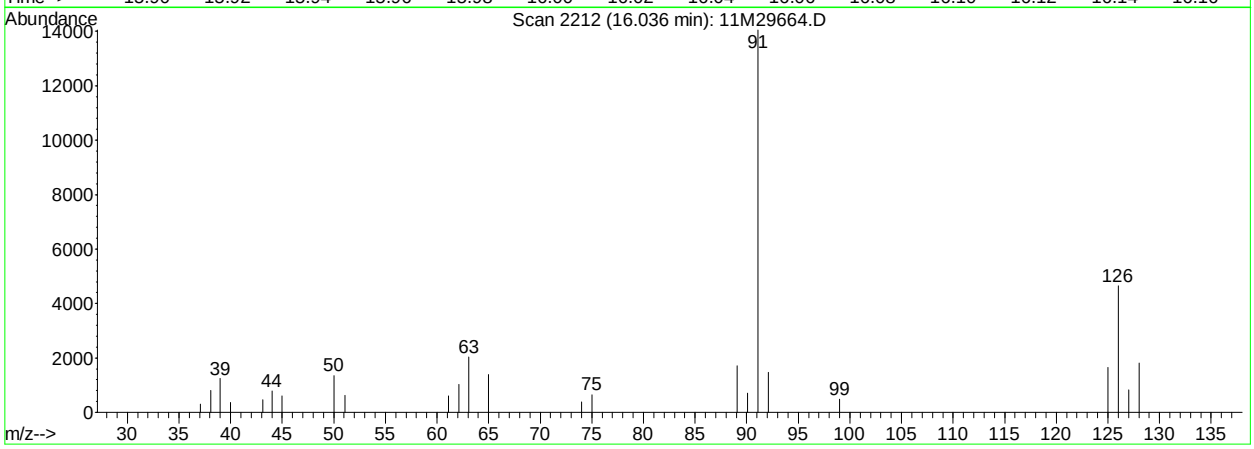
11M29664.D 8260BSL.M Mon Oct 17 18:28:51 2005

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101705\11M29664.D Vial: 9
Acq On : 17 Oct 2005 10:26 Operator: CMS
Sample : WG198725-04 2ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:28 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Multiple Level Calibration





TIC: 11M29664.D

(75) 4-Chlorotoluene (T)

16.04min 2.11ug/Kg m

response 30706

Ion	Exp%	Act%
91.00	100	100
126.00	29.50	32.60
0.00	0.00	0.00
0.00	0.00	0.00

11M29664.D 8260BSL.M Mon Oct 17 18:28:55 2005

Approved: October 18, 2005	Supervisor: October 18, 2005
Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak	
Crystal Stevens	

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\101705\11M29665.D Vial: 10
Acq On : 17 Oct 2005 10:59 Operator: CMS
Sample : WG198725-05 5ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:29:14 2005 Quant Results File: 8260BSL.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Initial Calibration
DataAcq Meth : 8260SLST

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	10.555	96	662798	50.0000 ug/Kg	0.000
46) Chlorobenzene-d5	14.193	117	516313	50.0000 ug/Kg	0.000
66) 1,4-Dichlorobenzene-d4	17.003	152	284664	50.0000 ug/Kg	0.000

System Monitoring Compounds					
29) Dibromofluoromethane	9.569	111	19597	4.3213507 ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 8.64%#		
34) 1,2-Dichloroethane-d4	10.178	65	26889	4.4354984 ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 8.87%#		
47) Toluene-d8	12.410	98	62390	4.2455790 ug/Kg	0.00
Spiked Amount 50.000	Range 81 - 117		Recovery = 8.49%#		
68) p-Bromofluorobenzene	15.586	95	26447	4.2203562 ug/Kg	0.00
Spiked Amount 50.000	Range 74 - 121		Recovery = 8.44%#		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.13	85	29909	4.1116 ug/Kg	97
3) Chloromethane	3.63	50	34627	4.5203 ug/Kg	98
4) Vinyl Chloride	3.84	62	24075	4.4431 ug/Kg	97
5) Bromomethane	4.75	94	11005	5.0114 ug/Kg	92
6) Chloroethane	4.92	64	15814	3.9888 ug/Kg	90
7) Trichlorofluoromethane	5.40	101	36836m	3.9900 ug/Kg	
9) Acrolein	6.16	56	3180m	15.3562 ug/Kg	
10) 1,1,2-Trichloro-1,2,2-Trif	6.18	101	22449	4.3504 ug/Kg	90
11) Acetone	6.30	43	12930	5.7492 ug/Kg	90
12) 1,1-Dichloroethene	6.48	96	17159	3.9933 ug/Kg	77
13) Dimethyl Sulfide	6.75	62	26392	4.3463 ug/Kg	75
14) Iodomethane	6.99	142	7577	6.3471 ug/Kg	86
15) Methyl acetate	7.01	43	21877	4.7087 ug/Kg#	44
16) Methylene Chloride	7.25	84	21627	4.5558 ug/Kg	62
17) Carbon Disulfide	7.30	76	61805	4.1098 ug/Kg	97
18) Acrylonitrile	7.44	53	8771	4.0010 ug/Kg	86
19) Methyl Tert Butyl Ether	7.47	73	53941	4.4481 ug/Kg	85
20) trans-1,2-Dichloroethene	7.70	96	19634	4.2416 ug/Kg	78
21) n-Hexane	7.76	57	35927	4.0161 ug/Kg	92
22) Vinyl Acetate	8.26	43	46668	4.1010 ug/Kg#	84
23) 1,1-Dichloroethane	8.29	63	41650	4.1619 ug/Kg	98
24) 2-Butanone	8.83	43	11994	4.3649 ug/Kg	81
25) 2,2-Dichloropropane	9.03	77	29483	3.9308 ug/Kg	93
26) cis-1,2-Dichloroethene	9.09	96	20476	4.3240 ug/Kg	82
27) Chloroform	9.29	83	36519	4.3069 ug/Kg	95
28) Bromochloromethane	9.51	130	13200	4.5106 ug/Kg	97
30) 1,1,1-Trichloroethane	9.79	97	31723	4.1700 ug/Kg	90
31) Cyclohexane	9.84	56	40670	4.1254 ug/Kg	77
32) 1,1-Dichloropropene	9.98	75	25810	3.9209 ug/Kg	93
33) Carbon Tetrachloride	10.12	117	24617	4.3949 ug/Kg	95
35) 1,2-Dichloroethane	10.29	62	35997	4.5163 ug/Kg	95
36) Benzene	10.32	78	77753	4.3276 ug/Kg	100
37) Trichloroethene	11.04	130	21404	4.2817 ug/Kg	90
38) Methylcyclohexane	11.11	83	30053	3.8877 ug/Kg	78
39) 1,2-Dichloropropane	11.24	63	22277	4.3022 ug/Kg	94
40) Bromodichloromethane	11.52	83	25093	4.2568 ug/Kg	97
41) Dibromomethane	11.61	93	12225	4.7361 ug/Kg	83
43) 4-Methyl-2-Pentanone	11.83	58	7433	6.1521 ug/Kg	97
44) cis-1,3-Dichloropropene	12.11	75	29665	4.2271 ug/Kg	93
45) Dimethyl Disulfide	12.37	79	10722	5.7775 ug/Kg	94

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\101705\11M29665.D Vial: 10
Acq On : 17 Oct 2005 10:59 Operator: CMS
Sample : WG198725-05 5ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:29:14 2005 Quant Results File: 8260BSL.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Initial Calibration
DataAcq Meth : 8260SLST

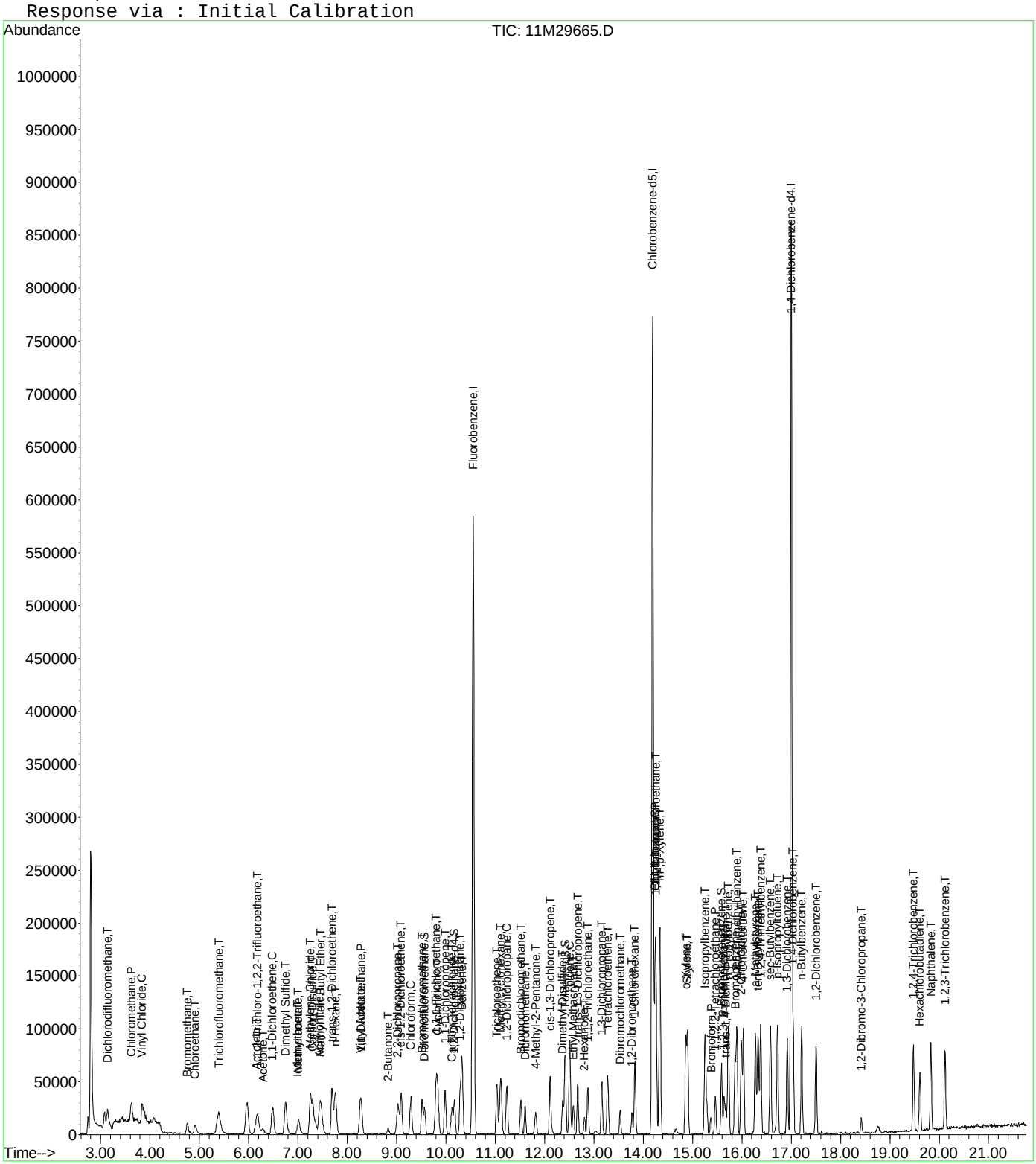
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
48)	Toluene	12.51	91	81844	4.4565	ug/Kg	97
49)	Ethyl Methacrylate	12.58	69	18337	5.3990	ug/Kg	99
50)	trans-1,3-Dichloropropene	12.67	75	27359	4.1823	ug/Kg	90
51)	1,1,2-Trichloroethane	12.88	97	16283	4.5833	ug/Kg	99
52)	2-Hexanone	12.81	43	15811	4.6649	ug/Kg#	85
53)	1,3-Dichloropropane	13.16	76	30238	4.6615	ug/Kg	76
54)	Tetrachloroethene	13.27	164	17382	4.2974	ug/Kg	90
55)	Dibromochloromethane	13.54	129	16747	4.0103	ug/Kg	99
56)	1,2-Dibromoethane	13.77	107	17976	4.5382	ug/Kg	99
57)	1-Chlorohexane	13.83	91	22919	3.8288	ug/Kg	68
58)	Chlorobenzene	14.24	112	55862	4.3510	ug/Kg	99
59)	1,1,1,2-Tetrachloroethane	14.26	131	16945	4.1109	ug/Kg	100
60)	Ethylbenzene	14.25	106	30073	4.2655	ug/Kg	80
61)	m-,p-Xylene	14.34	106	76911	9.2545	ug/Kg	79
62)	o-Xylene	14.86	91	70394	4.3233	ug/Kg	91
63)	Styrene	14.90	104	56521	4.2101	ug/Kg	93
64)	Bromoform	15.38	173	10307	5.2942	ug/Kg	98
65)	Isopropylbenzene	15.25	105	88478	4.2475	ug/Kg	100
67)	1,1,2,2-Tetrachloroethane	15.46	83	23373	4.4252	ug/Kg	98
69)	1,2,3-Trichloropropane	15.64	110	7475	4.4876	ug/Kg	63
70)	trans-1,4-Dichloro-2-Buten	15.67	53	9151	6.0890	ug/Kg	74
71)	n-Propylbenzene	15.73	91	107142	4.1804	ug/Kg	90
72)	Bromobenzene	15.87	156	24154	4.5474	ug/Kg	58
73)	1,3,5-Trimethylbenzene	15.90	105	77454	4.2283	ug/Kg	98
74)	2-Chlorotoluene	15.99	91	67766	4.3806	ug/Kg	87
75)	4-Chlorotoluene	16.03	91	65101	4.3015	ug/Kg	92
76)	a-Methylstyrene	16.28	118	37484	4.0409	ug/Kg	96
77)	tert-Butylbenzene	16.33	134	17026	4.3540	ug/Kg	89
78)	1,2,4-Trimethylbenzene	16.38	105	77389	4.0915	ug/Kg	96
79)	sec-Butylbenzene	16.58	105	99467	4.0613	ug/Kg	97
80)	p-Isopropyltoluene	16.72	119	82543	4.0571	ug/Kg	100
81)	1,3-Dichlorobenzene	16.92	146	46248	4.2857	ug/Kg	92
82)	1,4-Dichlorobenzene	17.04	146	48772	4.4554	ug/Kg	91
83)	n-Butylbenzene	17.21	91	77197	4.1608	ug/Kg	89
84)	1,2-Dichlorobenzene	17.50	146	45369	4.4784	ug/Kg	92
85)	1,2-Dibromo-3-Chloropropan	18.42	75	4191	3.8584	ug/Kg	70
86)	1,2,4-Trichlorobenzene	19.48	180	30511	4.3474	ug/Kg	97
87)	Hexachlorobutadiene	19.61	225	12422	3.8643	ug/Kg	88
88)	Naphthalene	19.83	128	79601	4.4660	ug/Kg	99
89)	1,2,3-Trichlorobenzene	20.12	180	30099	4.5345	ug/Kg	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\101705\11M29665.D Vial: 10
Acq On : 17 Oct 2005 10:59 Operator: CMS
Sample : WG198725-05 5ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:30 2005 Quant Results File: 8260BSL.RES

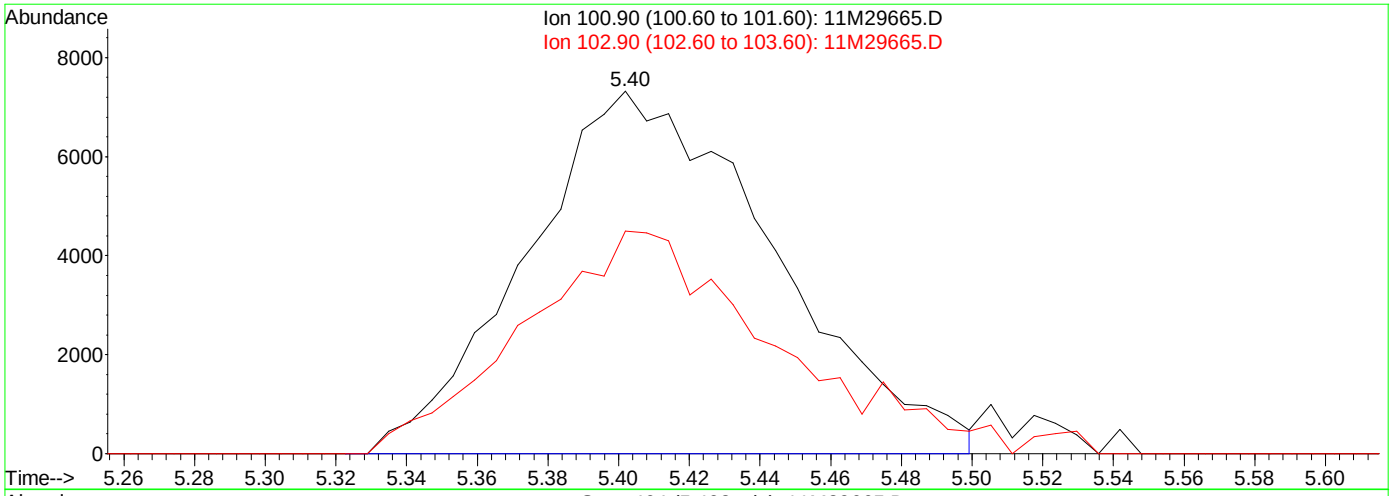
Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Initial Calibration

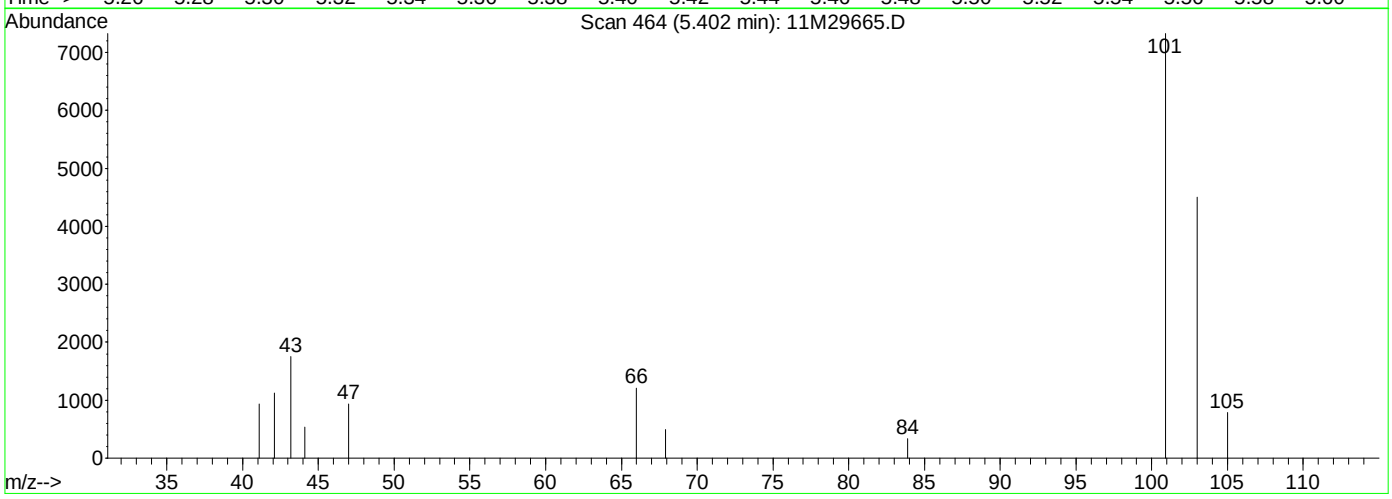


Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101705\11M29665.D Vial: 10
Acq On : 17 Oct 2005 10:59 Operator: CMS
Sample : WG198725-05 5ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:29 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Single Level Calibration





TIC: 11M29665.D

(7) Trichlorofluoromethane (T)

5.40min 3.87ug/Kg

response 35708

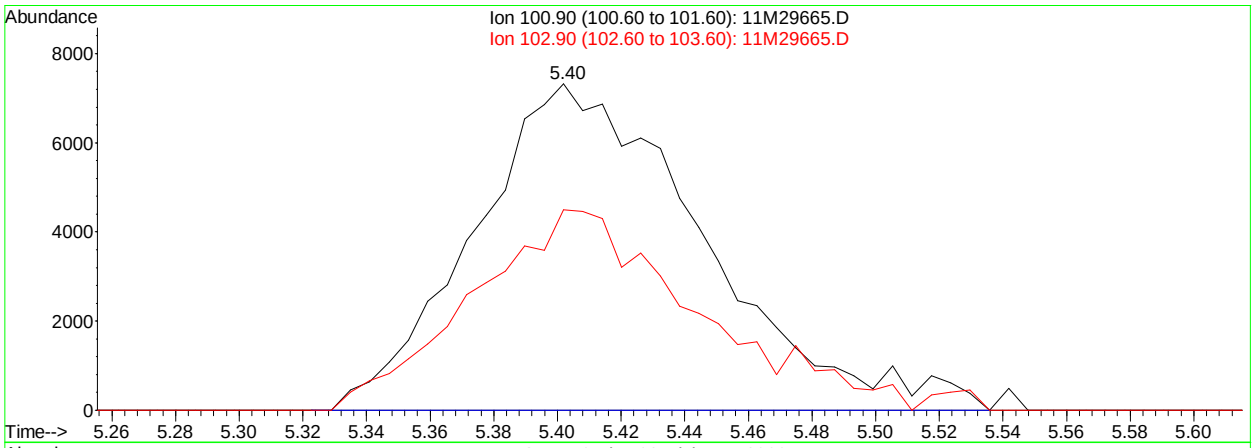
Ion	Exp%	Act%
100.90	100	100
102.90	63.70	61.64
0.00	0.00	0.00
0.00	0.00	0.00

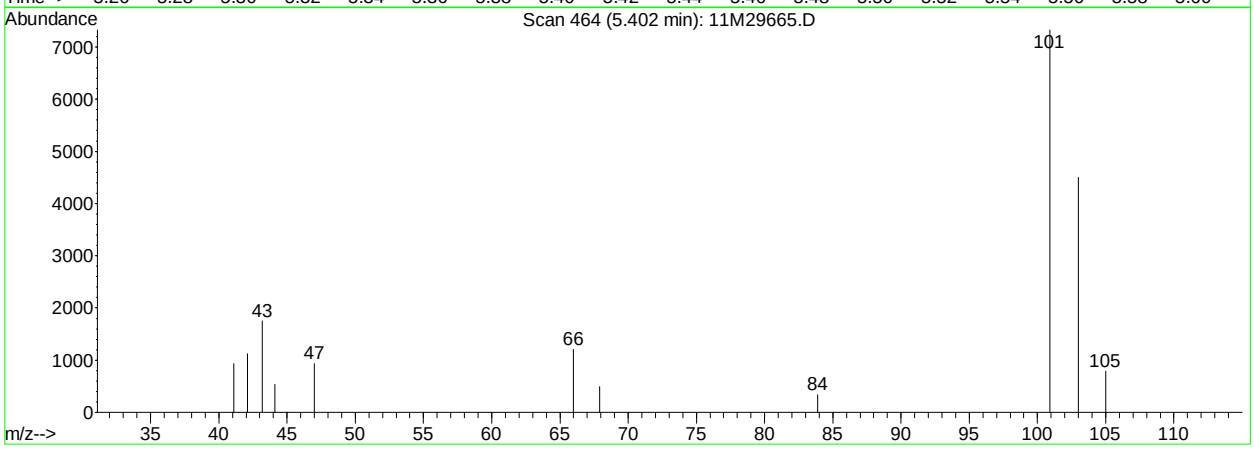
11M29665.D 8260BSL.M Mon Oct 17 18:29:47 2005

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101705\11M29665.D Vial: 10
Acq On : 17 Oct 2005 10:59 Operator: CMS
Sample : WG198725-05 5ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:29 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Single Level Calibration





TIC: 11M29665.D

(7) Trichlorofluoromethane (T)

5.40min 3.99ug/Kg m

response 36836

Ion	Exp%	Act%
100.90	100	100
102.90	63.70	59.76
0.00	0.00	0.00
0.00	0.00	0.00

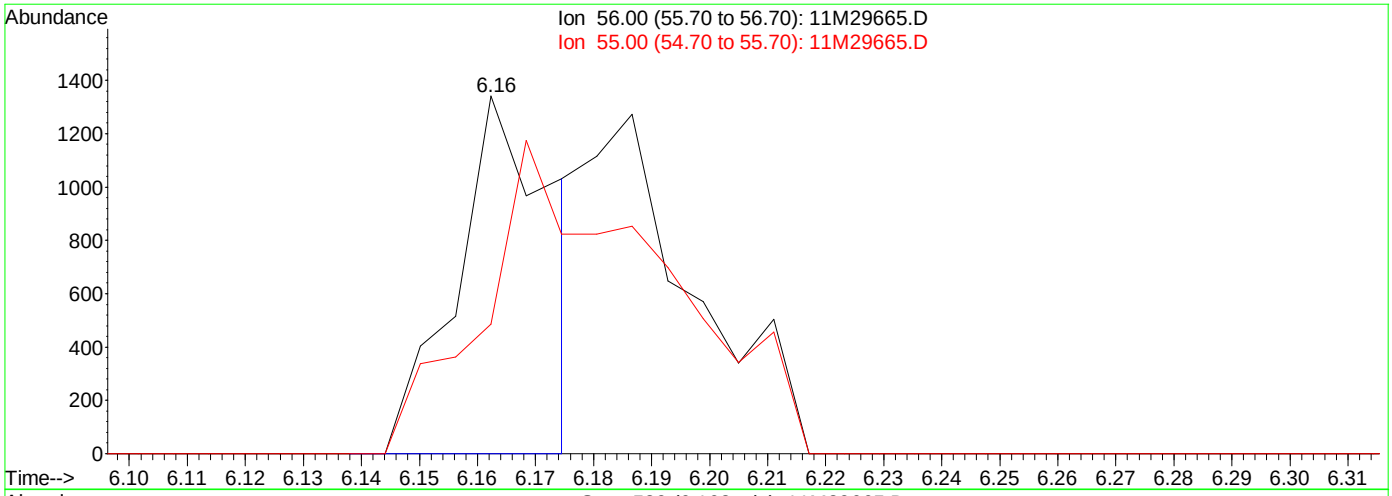
11M29665.D 8260BSL.M Mon Oct 17 18:29:51 2005

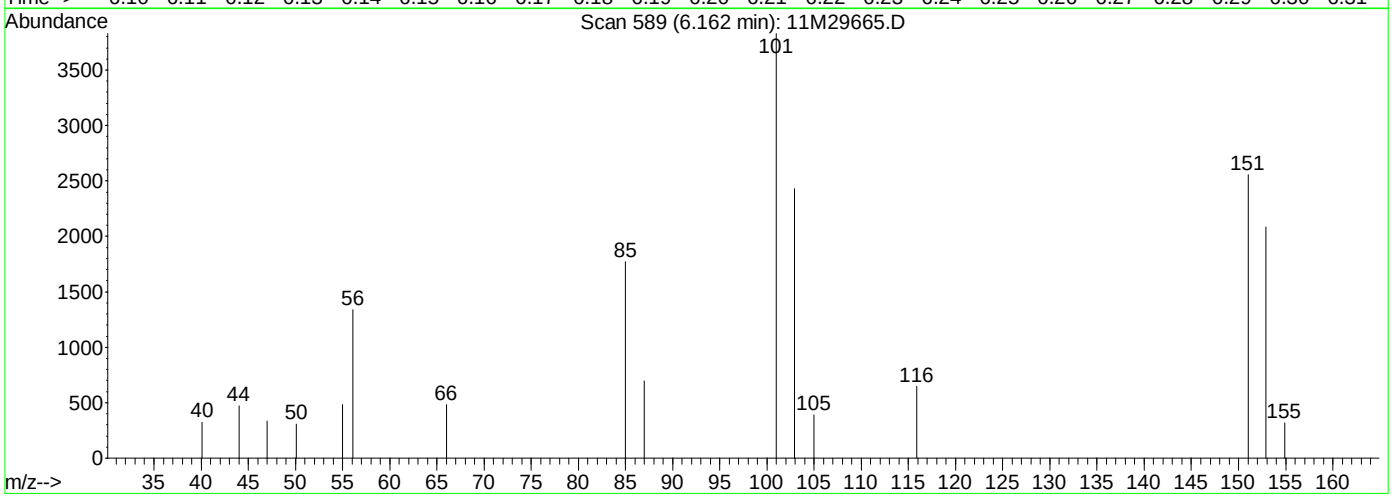
Approved: October 18, 2005	Supervisor: October 18, 2005
Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak	
Crystal Stevens	

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101705\11M29665.D Vial: 10
Acq On : 17 Oct 2005 10:59 Operator: CMS
Sample : WG198725-05 5ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:29 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Single Level Calibration





TIC: 11M29665.D

(9) Acrolein (T)

6.16min 12.10ug/Kg

response 1554

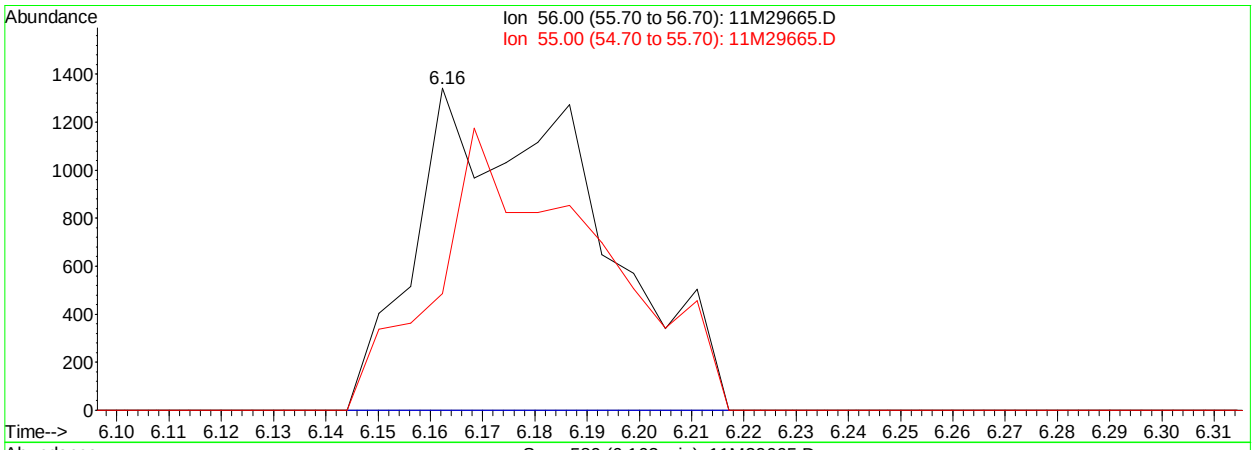
Ion	Exp%	Act%
56.00	100	100
55.00	66.90	161.33#
0.00	0.00	0.00
0.00	0.00	0.00

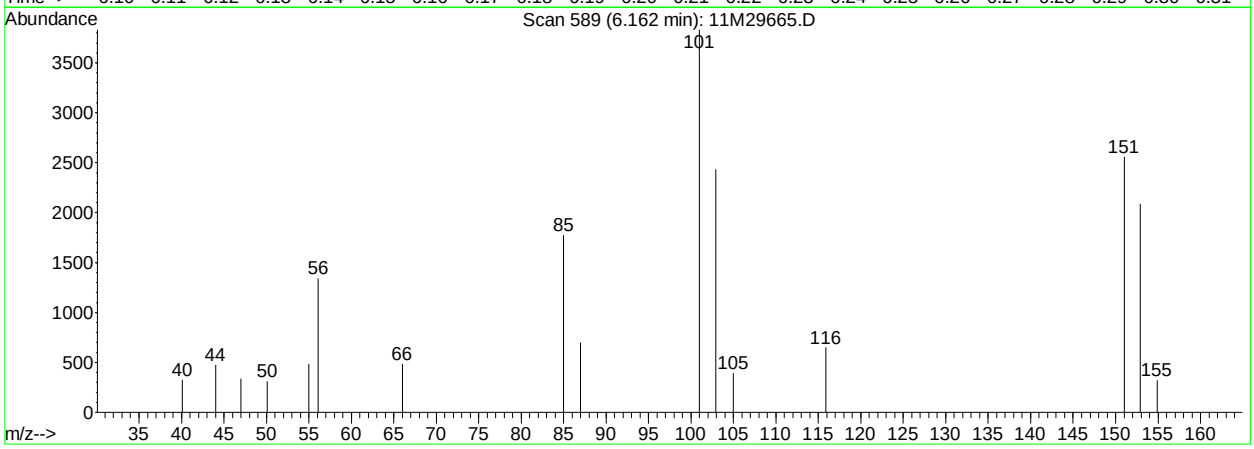
11M29665.D 8260BSL.M Mon Oct 17 18:29:58 2005

Quantitation Report (Qedit)

```
Data File : C:\MSDCHEM\1\DATA\101705\11M29665.D          Vial: 10
Acq On    : 17 Oct 2005  10:59                        Operator: CMS
Sample    : WG198725-05 5ug/Kg SOIL STD 8260          Inst    : HPMS11
Misc      : 7,1 SV14841                               Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:30 2005              Quant Results File: temp.res

Method       : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title        : Method 8260B Soil  Analysis 10/17/05  HPMS 11
Last Update  : Mon Oct 17 18:14:48 2005
Response via : Single Level Calibration
```





TIC: 11M29665.D

(9) Acrolein (T)

6.16min 15.36ug/Kg m

response 3180

Ion	Exp%	Act%
56.00	100	100
55.00	66.90	78.84
0.00	0.00	0.00
0.00	0.00	0.00

11M29665.D 8260BSL.M Mon Oct 17 18:30:01 2005

Approved: October 18, 2005	Supervisor: October 18, 2005
Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak	
Crystal Stevens	

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101705\11M29666.D Vial: 11
Acq On : 17 Oct 2005 11:31 Operator: CMS
Sample : WG198725-06 10ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:34:07 2005 Quant Results File: 8260BSL.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Initial Calibration
DataAcq Meth : 8260SLST

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	10.555	96	640681	50.0000 ug/Kg	0.000
46) Chlorobenzene-d5	14.193	117	489423	50.0000 ug/Kg	0.000
66) 1,4-Dichlorobenzene-d4	17.003	152	258455	50.0000 ug/Kg	0.000

System Monitoring Compounds					
29) Dibromofluoromethane	9.563	111	46839	10.6850580 ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 21.37%#		
34) 1,2-Dichloroethane-d4	10.171	65	61566	10.5062580 ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 21.01%#		
47) Toluene-d8	12.416	98	151682	10.8889166 ug/Kg	0.00
Spiked Amount 50.000	Range 81 - 117		Recovery = 21.78%#		
68) p-Bromofluorobenzene	15.586	95	58460	10.2749358 ug/Kg	0.00
Spiked Amount 50.000	Range 74 - 121		Recovery = 20.55%#		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.13	85	76034	10.8132 ug/Kg	97
3) Chloromethane	3.63	50	75170	10.1515 ug/Kg	99
4) Vinyl Chloride	3.83	62	55383	10.5740 ug/Kg	99
5) Bromomethane	4.75	94	26462	10.1667 ug/Kg	99
6) Chloroethane	4.91	64	39526	10.3140 ug/Kg	97
7) Trichlorofluoromethane	5.40	101	92451	10.3598 ug/Kg	99
8) Isoprene	5.96	67	58557	9.4809 ug/Kg	69
9) Acrolein	6.17	56	7008	23.5073 ug/Kg	95
10) 1,1,2-Trichloro-1,2,2-Trif	6.16	101	50835	10.1915 ug/Kg	68
11) Acetone	6.28	43	24942	11.4731 ug/Kg	87
12) 1,1-Dichloroethene	6.49	96	44080	10.6125 ug/Kg	76
13) Dimethyl Sulfide	6.75	62	58312	9.9346 ug/Kg	77
14) Iodomethane	7.00	142	22493	10.1706 ug/Kg	98
15) Methyl acetate	7.02	43	43449	9.6747 ug/Kg#	52
16) Methylene Chloride	7.25	84	47124	10.2695 ug/Kg	60
17) Carbon Disulfide	7.31	76	145158	9.9857 ug/Kg	99
18) Acrylonitrile	7.43	53	20016	9.4458 ug/Kg	97
19) Methyl Tert Butyl Ether	7.47	73	113559	9.6877 ug/Kg	94
20) trans-1,2-Dichloroethene	7.69	96	46801	10.4596 ug/Kg	77
21) n-Hexane	7.76	57	89797	10.3846 ug/Kg	93
22) Vinyl Acetate	8.26	43	104796	9.5269 ug/Kg	93
23) 1,1-Dichloroethane	8.29	63	100817	10.4221 ug/Kg	99
24) 2-Butanone	8.83	43	26133	9.8387 ug/Kg	89
25) 2,2-Dichloropropane	9.02	77	74497	10.2750 ug/Kg#	76
26) cis-1,2-Dichloroethene	9.09	96	47151	10.3007 ug/Kg	75
27) Chloroform	9.30	83	85917	10.4825 ug/Kg	99
28) Bromochloromethane	9.51	130	29275	10.3489 ug/Kg	96
30) 1,1,1-Trichloroethane	9.80	97	77923	10.5967 ug/Kg	89
31) Cyclohexane	9.83	56	94557	9.9226 ug/Kg	86
32) 1,1-Dichloropropene	9.98	75	65741	10.3317 ug/Kg	91
33) Carbon Tetrachloride	10.12	117	65234	10.3281 ug/Kg	97
35) 1,2-Dichloroethane	10.29	62	77733	10.0893 ug/Kg	89
36) Benzene	10.32	78	182625	10.5155 ug/Kg	99
37) Trichloroethene	11.04	130	49823	10.3107 ug/Kg	90
38) Methylcyclohexane	11.11	83	75463	10.0990 ug/Kg	80
39) 1,2-Dichloropropane	11.23	63	50460	10.0815 ug/Kg	98
40) Bromodichloromethane	11.52	83	58853	10.3286 ug/Kg#	98
41) Dibromomethane	11.60	93	26521	10.6292 ug/Kg	83
42) 2-Chloroethyl Vinyl Ether	11.79	63	2801	15.6759 ug/Kg#	66
43) 4-Methyl-2-Pentanone	11.81	58	17406	10.5926 ug/Kg	93

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101705\11M29666.D Vial: 11
Acq On : 17 Oct 2005 11:31 Operator: CMS
Sample : WG198725-06 10ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:34:07 2005 Quant Results File: 8260BSL.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Initial Calibration
DataAcq Meth : 8260SLST

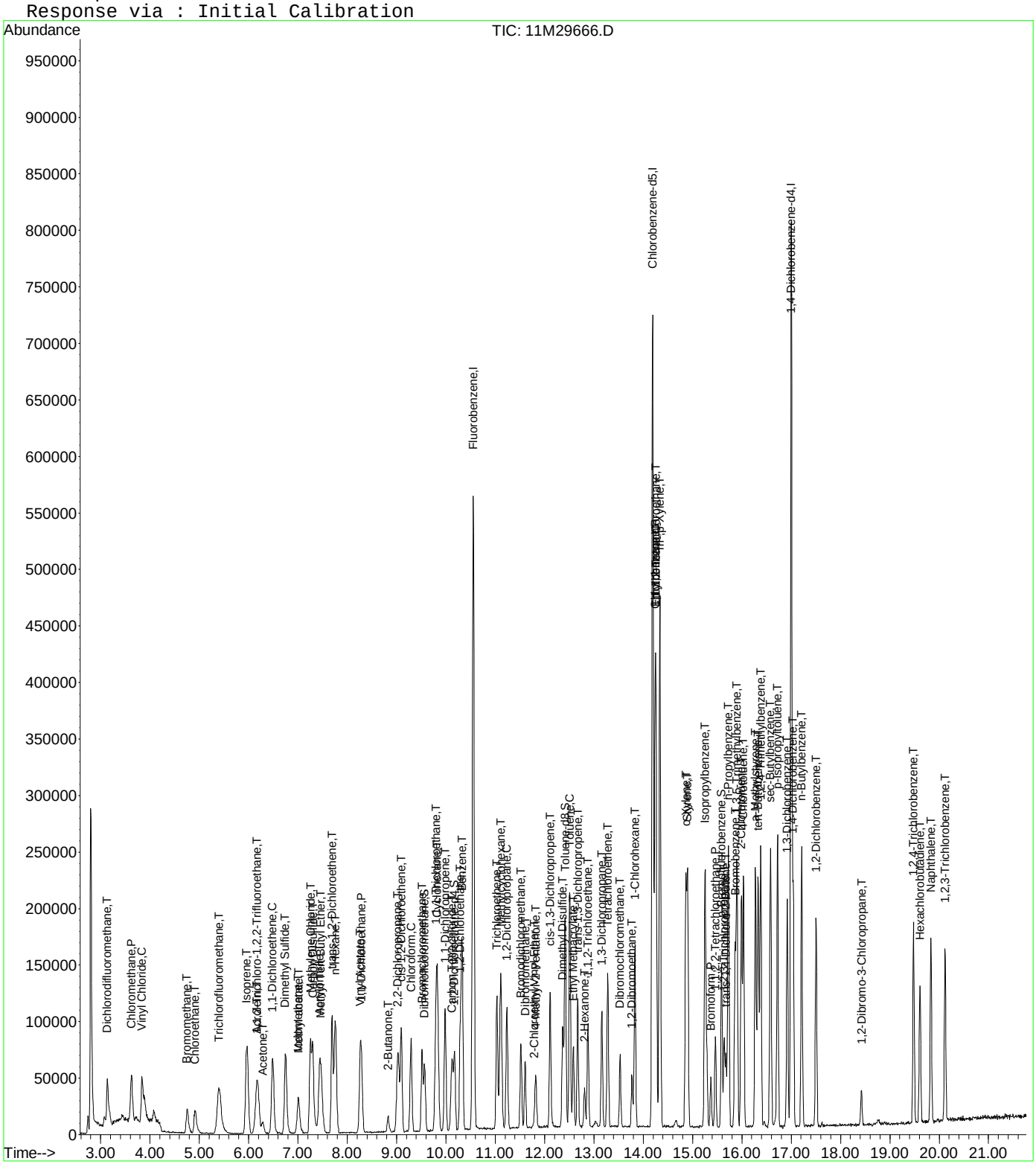
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
44) cis-1,3-Dichloropropene	12.11	75	70454	10.3860	ug/Kg	91
45) Dimethyl Disulfide	12.37	79	30929	10.5348	ug/Kg	90
48) Toluene	12.51	91	185906	10.6789	ug/Kg	98
49) Ethyl Methacrylate	12.59	69	41933	10.2174	ug/Kg	97
50) trans-1,3-Dichloropropene	12.67	75	66922	10.7923	ug/Kg	95
51) 1,1,2-Trichloroethane	12.88	97	35985	10.6855	ug/Kg	97
52) 2-Hexanone	12.81	43	32854	10.2258	ug/Kg#	84
53) 1,3-Dichloropropane	13.16	76	64162	10.4346	ug/Kg	78
54) Tetrachloroethene	13.28	164	39923	10.4125	ug/Kg	93
55) Dibromochloromethane	13.53	129	42440	10.7212	ug/Kg	99
56) 1,2-Dibromoethane	13.77	107	39687	10.5699	ug/Kg	100
57) 1-Chlorohexane	13.83	91	57153	10.0723	ug/Kg	71
58) Chlorobenzene	14.24	112	125484	10.3106	ug/Kg	99
59) 1,1,1,2-Tetrachloroethane	14.26	131	42344	10.8371	ug/Kg	99
60) Ethylbenzene	14.25	106	70145	10.4958	ug/Kg	80
61) m-,p-Xylene	14.34	106	172832	21.9391	ug/Kg	82
62) o-Xylene	14.86	91	161231	10.4462	ug/Kg	88
63) Styrene	14.90	104	134870	10.5982	ug/Kg	93
64) Bromoform	15.37	173	27053	10.8971	ug/Kg	99
65) Isopropylbenzene	15.26	105	211150	10.6936	ug/Kg	99
67) 1,1,2,2-Tetrachloroethane	15.46	83	49513	10.3249	ug/Kg	98
69) 1,2,3-Trichloropropane	15.64	110	15840	10.4738	ug/Kg	68
70) trans-1,4-Dichloro-2-Buten	15.68	53	20186	10.8707	ug/Kg	74
71) n-Propylbenzene	15.73	91	252641	10.8571	ug/Kg	92
72) Bromobenzene	15.87	156	51479	10.6747	ug/Kg	62
73) 1,3,5-Trimethylbenzene	15.90	105	175173	10.5326	ug/Kg	100
74) 2-Chlorotoluene	15.99	91	149165	10.6202	ug/Kg	87
75) 4-Chlorotoluene	16.03	91	142277	10.3542	ug/Kg	89
76) a-Methylstyrene	16.27	118	91825	9.8726	ug/Kg	99
77) tert-Butylbenzene	16.33	134	37250	10.4919	ug/Kg	82
78) 1,2,4-Trimethylbenzene	16.38	105	181427	10.5646	ug/Kg	96
79) sec-Butylbenzene	16.58	105	239502	10.7707	ug/Kg	98
80) p-Isopropyltoluene	16.72	119	194817	10.5466	ug/Kg	100
81) 1,3-Dichlorobenzene	16.92	146	101077	10.3165	ug/Kg	92
82) 1,4-Dichlorobenzene	17.04	146	105329	10.5977	ug/Kg	96
83) n-Butylbenzene	17.21	91	177308	10.5257	ug/Kg	89
84) 1,2-Dichlorobenzene	17.51	146	97074	10.5540	ug/Kg	91
85) 1,2-Dibromo-3-Chloropropan	18.43	75	10122	10.2637	ug/Kg	85
86) 1,2,4-Trichlorobenzene	19.48	180	64569	10.1332	ug/Kg	93
87) Hexachlorobutadiene	19.61	225	28288	9.6922	ug/Kg	87
88) Naphthalene	19.83	128	161286	9.9666	ug/Kg	99
89) 1,2,3-Trichlorobenzene	20.12	180	59380	9.8530	ug/Kg	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101705\11M29666.D Vial: 11
Acq On : 17 Oct 2005 11:31 Operator: CMS
Sample : WG198725-06 10ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:34 2005 Quant Results File: 8260BSL.RES

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101705\11M29667.D Vial: 12
Acq On : 17 Oct 2005 12:03 Operator: CMS
Sample : WG198725-07 20ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:34:19 2005 Quant Results File: 8260BSL.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Initial Calibration
DataAcq Meth : 8260SLST

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	10.555	96	642366	50.0000 ug/Kg	0.000
46) Chlorobenzene-d5	14.193	117	513766	50.0000 ug/Kg	0.000
66) 1,4-Dichlorobenzene-d4	17.003	152	279545	50.0000 ug/Kg	0.000

System Monitoring Compounds					
29) Dibromofluoromethane	9.563	111	89184	20.2915636 ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 40.58%#		
34) 1,2-Dichloroethane-d4	10.171	65	113322	19.2877094 ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 38.58%#		
47) Toluene-d8	12.416	98	290674	19.8781438 ug/Kg	0.00
Spiked Amount 50.000	Range 81 - 117		Recovery = 39.76%#		
68) p-Bromofluorobenzene	15.586	95	117331	19.0662941 ug/Kg	0.00
Spiked Amount 50.000	Range 74 - 121		Recovery = 38.13%#		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.14	85	138463	19.6399 ug/Kg	92
3) Chloromethane	3.62	50	137736	18.5521 ug/Kg	97
4) Vinyl Chloride	3.84	62	100364	19.1118 ug/Kg	98
5) Bromomethane	4.75	94	48304	17.1924 ug/Kg	95
6) Chloroethane	4.92	64	68456	17.8162 ug/Kg	98
7) Trichlorofluoromethane	5.41	101	172427	19.2710 ug/Kg	95
8) Isoprene	5.96	67	106541	17.2048 ug/Kg	69
9) Acrolein	6.18	56	13075	36.0065 ug/Kg	94
10) 1,1,2-Trichloro-1,2,2-Trif	6.17	101	91965	18.3890 ug/Kg	83
11) Acetone	6.28	43	38045	17.4544 ug/Kg	87
12) 1,1-Dichloroethene	6.48	96	78548	18.8613 ug/Kg	75
13) Dimethyl Sulfide	6.75	62	106606	18.1148 ug/Kg	78
14) Iodomethane	7.00	142	48017	16.5724 ug/Kg	94
15) Methyl acetate	7.02	43	74749	16.6005 ug/Kg#	55
16) Methylene Chloride	7.26	84	81951	17.8123 ug/Kg#	53
17) Carbon Disulfide	7.30	76	259432	17.8000 ug/Kg	97
18) Acrylonitrile	7.43	53	40388	19.0096 ug/Kg	98
19) Methyl Tert Butyl Ether	7.45	73	205529	17.4876 ug/Kg	94
20) trans-1,2-Dichloroethene	7.69	96	86274	19.2308 ug/Kg	82
21) n-Hexane	7.76	57	167158	19.2803 ug/Kg	94
22) Vinyl Acetate	8.25	43	197145	17.8752 ug/Kg	93
23) 1,1-Dichloroethane	8.29	63	178793	18.4344 ug/Kg	99
24) 2-Butanone	8.83	43	49440	18.5647 ug/Kg	87
25) 2,2-Dichloropropane	9.03	77	135525	18.6433 ug/Kg	96
26) cis-1,2-Dichloroethene	9.09	96	87251	19.0110 ug/Kg	60
27) Chloroform	9.29	83	151149	18.3928 ug/Kg	97
28) Bromochloromethane	9.51	130	53125	18.7308 ug/Kg	98
30) 1,1,1-Trichloroethane	9.80	97	142927	19.3856 ug/Kg	89
31) Cyclohexane	9.82	56	175026	18.3187 ug/Kg	86
32) 1,1-Dichloropropene	9.98	75	121296	19.0126 ug/Kg	93
33) Carbon Tetrachloride	10.12	117	119611	18.0249 ug/Kg	96
35) 1,2-Dichloroethane	10.29	62	144280	18.6776 ug/Kg	94
36) Benzene	10.32	78	327269	18.7947 ug/Kg	99
37) Trichloroethene	11.04	130	92137	19.0175 ug/Kg	90
38) Methylcyclohexane	11.11	83	142026	18.9570 ug/Kg	80
39) 1,2-Dichloropropane	11.24	63	92282	18.3888 ug/Kg	98
40) Bromodichloromethane	11.52	83	105942	18.5439 ug/Kg	98
41) Dibromomethane	11.61	93	46267	18.4945 ug/Kg#	83
42) 2-Chloroethyl Vinyl Ether	11.80	63	6424	21.4553 ug/Kg	87
43) 4-Methyl-2-Pentanone	11.82	58	35320	18.3759 ug/Kg	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101705\11M29667.D Vial: 12
Acq On : 17 Oct 2005 12:03 Operator: CMS
Sample : WG198725-07 20ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:34:19 2005 Quant Results File: 8260BSL.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Initial Calibration
DataAcq Meth : 8260SLST

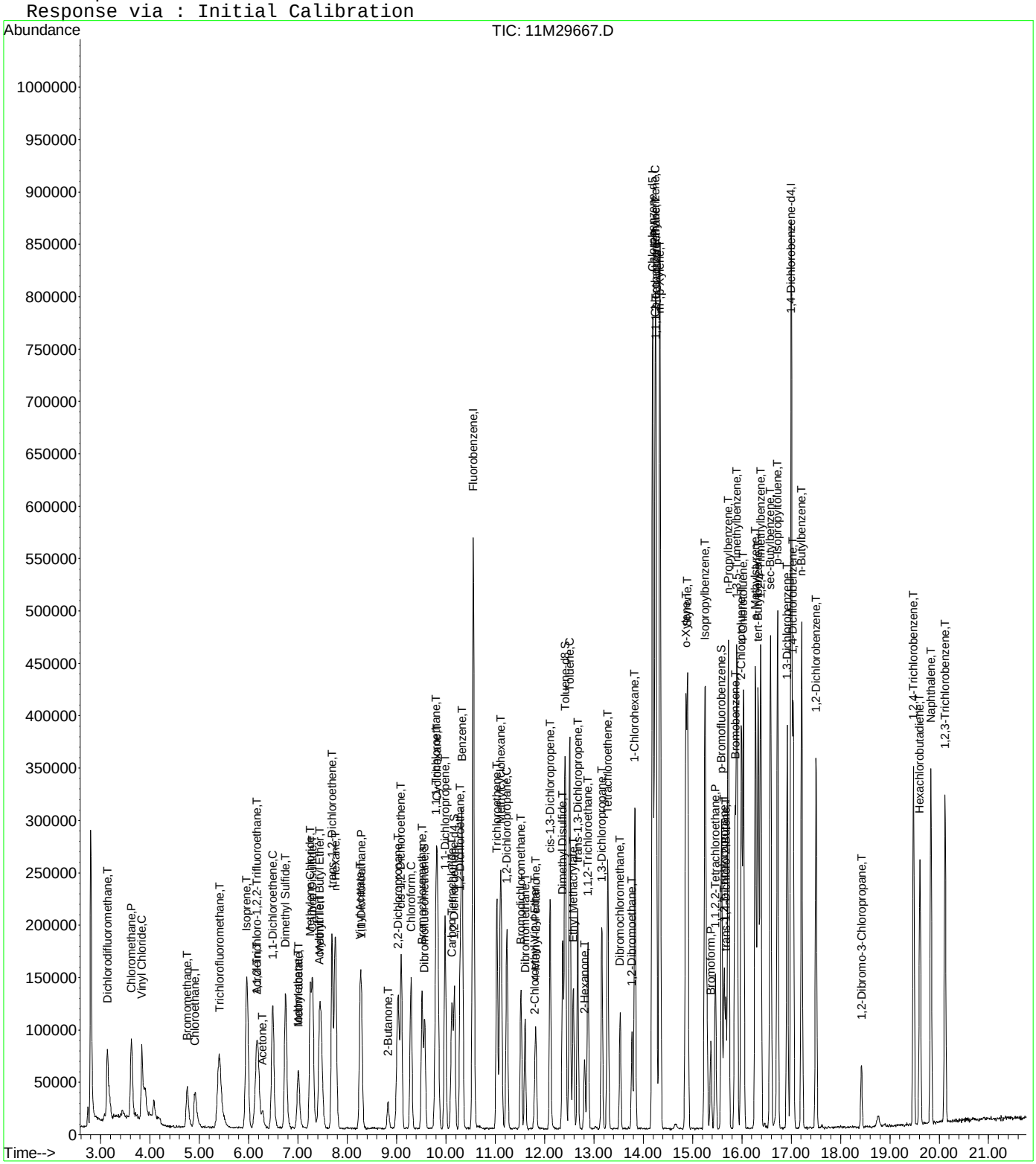
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
44) cis-1,3-Dichloropropene	12.11	75	127128	18.6915 ug/Kg	91
45) Dimethyl Disulfide	12.37	79	59388	17.0822 ug/Kg	99
48) Toluene	12.51	91	335554	18.3618 ug/Kg	100
49) Ethyl Methacrylate	12.58	69	82541	17.4130 ug/Kg	99
50) trans-1,3-Dichloropropene	12.67	75	122313	18.7905 ug/Kg	97
51) 1,1,2-Trichloroethane	12.88	97	65933	18.6507 ug/Kg	100
52) 2-Hexanone	12.81	43	61469	18.2257 ug/Kg	91
53) 1,3-Dichloropropane	13.16	76	117803	18.2505 ug/Kg	75
54) Tetrachloroethene	13.28	164	75419	18.7383 ug/Kg	92
55) Dibromochloromethane	13.54	129	76940	18.5157 ug/Kg	94
56) 1,2-Dibromoethane	13.77	107	74568	18.9188 ug/Kg	99
57) 1-Chlorohexane	13.83	91	111060	18.6452 ug/Kg	72
58) Chlorobenzene	14.24	112	237768	18.6110 ug/Kg	99
59) 1,1,1,2-Tetrachloroethane	14.27	131	78030	19.0240 ug/Kg	97
60) Ethylbenzene	14.25	106	133779	19.0688 ug/Kg	77
61) m-,p-Xylene	14.34	106	319067	38.5829 ug/Kg	83
62) o-Xylene	14.86	91	305860	18.8778 ug/Kg	90
63) Styrene	14.90	104	251278	18.8100 ug/Kg	92
64) Bromoform	15.37	173	50370	17.6825 ug/Kg	98
65) Isopropylbenzene	15.25	105	393259	18.9727 ug/Kg	99
67) 1,1,2,2-Tetrachloroethane	15.46	83	93046	17.9390 ug/Kg	98
69) 1,2,3-Trichloropropane	15.64	110	30653	18.7394 ug/Kg	63
70) trans-1,4-Dichloro-2-Buten	15.68	53	38452	17.0565 ug/Kg#	10
71) n-Propylbenzene	15.73	91	477489	18.9717 ug/Kg	91
72) Bromobenzene	15.87	156	99021	18.9839 ug/Kg	60
73) 1,3,5-Trimethylbenzene	15.90	105	339497	18.8728 ug/Kg	100
74) 2-Chlorotoluene	15.99	91	290579	19.1278 ug/Kg	91
75) 4-Chlorotoluene	16.03	91	270741	18.2166 ug/Kg	90
76) a-Methylstyrene	16.27	118	178776	17.2856 ug/Kg	97
77) tert-Butylbenzene	16.33	134	73870	19.2366 ug/Kg	86
78) 1,2,4-Trimethylbenzene	16.38	105	345636	18.6082 ug/Kg	98
79) sec-Butylbenzene	16.58	105	456806	18.9933 ug/Kg	96
80) p-Isopropyltoluene	16.72	119	374555	18.7471 ug/Kg	99
81) 1,3-Dichlorobenzene	16.92	146	196467	18.5398 ug/Kg	92
82) 1,4-Dichlorobenzene	17.04	146	198363	18.4527 ug/Kg	96
83) n-Butylbenzene	17.21	91	345718	18.9748 ug/Kg	91
84) 1,2-Dichlorobenzene	17.50	146	185332	18.6294 ug/Kg	90
85) 1,2-Dibromo-3-Chloropropan	18.43	75	18831	17.6541 ug/Kg	83
86) 1,2,4-Trichlorobenzene	19.49	180	125575	18.2204 ug/Kg	99
87) Hexachlorobutadiene	19.61	225	59345	18.7992 ug/Kg	91
88) Naphthalene	19.83	128	331673	18.9493 ug/Kg	99
89) 1,2,3-Trichlorobenzene	20.12	180	121872	18.6966 ug/Kg	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101705\11M29667.D Vial: 12
Acq On : 17 Oct 2005 12:03 Operator: CMS
Sample : WG198725-07 20ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:34 2005 Quant Results File: 8260BSL.RES

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101705\11M29668.D Vial: 13
Acq On : 17 Oct 2005 12:35 Operator: CMS
Sample : WG198725-08 50ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:34:26 2005 Quant Results File: 8260BSL.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Initial Calibration
DataAcq Meth : 8260SLST

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	10.555	96	660958	50.0000 ug/Kg	0.000
46) Chlorobenzene-d5	14.193	117	536940	50.0000 ug/Kg	0.000
66) 1,4-Dichlorobenzene-d4	17.003	152	289252	50.0000 ug/Kg	0.000

System Monitoring Compounds					
29) Dibromofluoromethane	9.569	111	253576	56.0719159 ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 112.14%		
34) 1,2-Dichloroethane-d4	10.171	65	326402	53.9918137 ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 107.98%		
47) Toluene-d8	12.416	98	832656	54.4847368 ug/Kg	0.00
Spiked Amount 50.000	Range 81 - 117		Recovery = 108.97%		
68) p-Bromofluorobenzene	15.586	95	339094	53.2536008 ug/Kg	0.00
Spiked Amount 50.000	Range 74 - 121		Recovery = 106.51%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.13	85	409437	56.4419 ug/Kg	92
3) Chloromethane	3.62	50	383427	50.1924 ug/Kg	97
4) Vinyl Chloride	3.83	62	273247	50.5693 ug/Kg	100
5) Bromomethane	4.74	94	163125	51.9393 ug/Kg	99
6) Chloroethane	4.91	64	218692	55.3153 ug/Kg	99
7) Trichlorofluoromethane	5.40	101	524189	56.9372 ug/Kg	100
8) Isoprene	5.96	67	357689	56.1366 ug/Kg	71
9) Acrolein	6.17	56	42287	93.9141 ug/Kg	88
10) 1,1,2-Trichloro-1,2,2-Trif	6.17	101	284856	55.3566 ug/Kg	63
11) Acetone	6.27	43	104235	46.4761 ug/Kg	91
12) 1,1-Dichloroethene	6.48	96	242935	56.6938 ug/Kg	73
13) Dimethyl Sulfide	6.75	62	348998	57.6345 ug/Kg	76
14) Iodomethane	7.00	142	196156	52.4270 ug/Kg	99
15) Methyl acetate	7.01	43	227012	48.9975 ug/Kg#	51
16) Methylene Chloride	7.25	84	251288	53.0819 ug/Kg	56
17) Carbon Disulfide	7.30	76	837946	55.8755 ug/Kg	98
18) Acrylonitrile	7.43	53	118371	54.1471 ug/Kg	99
19) Methyl Tert Butyl Ether	7.46	73	663403	54.8585 ug/Kg	94
20) trans-1,2-Dichloroethene	7.69	96	252630	54.7282 ug/Kg	77
21) n-Hexane	7.76	57	530582	59.4768 ug/Kg	93
22) Vinyl Acetate	8.26	43	596051	52.5239 ug/Kg	93
23) 1,1-Dichloroethane	8.29	63	539824	54.0929 ug/Kg	99
24) 2-Butanone	8.83	43	141302	51.5664 ug/Kg	89
25) 2,2-Dichloropropane	9.03	77	419322	56.0608 ug/Kg	97
26) cis-1,2-Dichloroethene	9.09	96	262971	55.6867 ug/Kg	77
27) Chloroform	9.30	83	458956	54.2779 ug/Kg	99
28) Bromochloromethane	9.51	130	158447	54.2938 ug/Kg	97
30) 1,1,1-Trichloroethane	9.79	97	432071	56.9546 ug/Kg	88
31) Cyclohexane	9.83	56	581311	59.1303 ug/Kg	85
32) 1,1-Dichloropropene	9.98	75	374621	57.0684 ug/Kg	94
33) Carbon Tetrachloride	10.12	117	381181	53.0222 ug/Kg	97
35) 1,2-Dichloroethane	10.29	62	423783	53.3172 ug/Kg	93
36) Benzene	10.32	78	971269	54.2100 ug/Kg	100
37) Trichloroethene	11.03	130	278972	55.9613 ug/Kg	89
38) Methylcyclohexane	11.11	83	462125	59.9473 ug/Kg	79
39) 1,2-Dichloropropane	11.24	63	274557	53.1713 ug/Kg	97
40) Bromodichloromethane	11.52	83	325877	55.4365 ug/Kg	98
41) Dibromomethane	11.60	93	138388	53.7623 ug/Kg	84
42) 2-Chloroethyl Vinyl Ether	11.78	63	21760	44.9905 ug/Kg	87
43) 4-Methyl-2-Pentanone	11.81	58	107128	48.8472 ug/Kg	94

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101705\11M29668.D Vial: 13
Acq On : 17 Oct 2005 12:35 Operator: CMS
Sample : WG198725-08 50ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:34:26 2005 Quant Results File: 8260BSL.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Initial Calibration
DataAcq Meth : 8260SLST

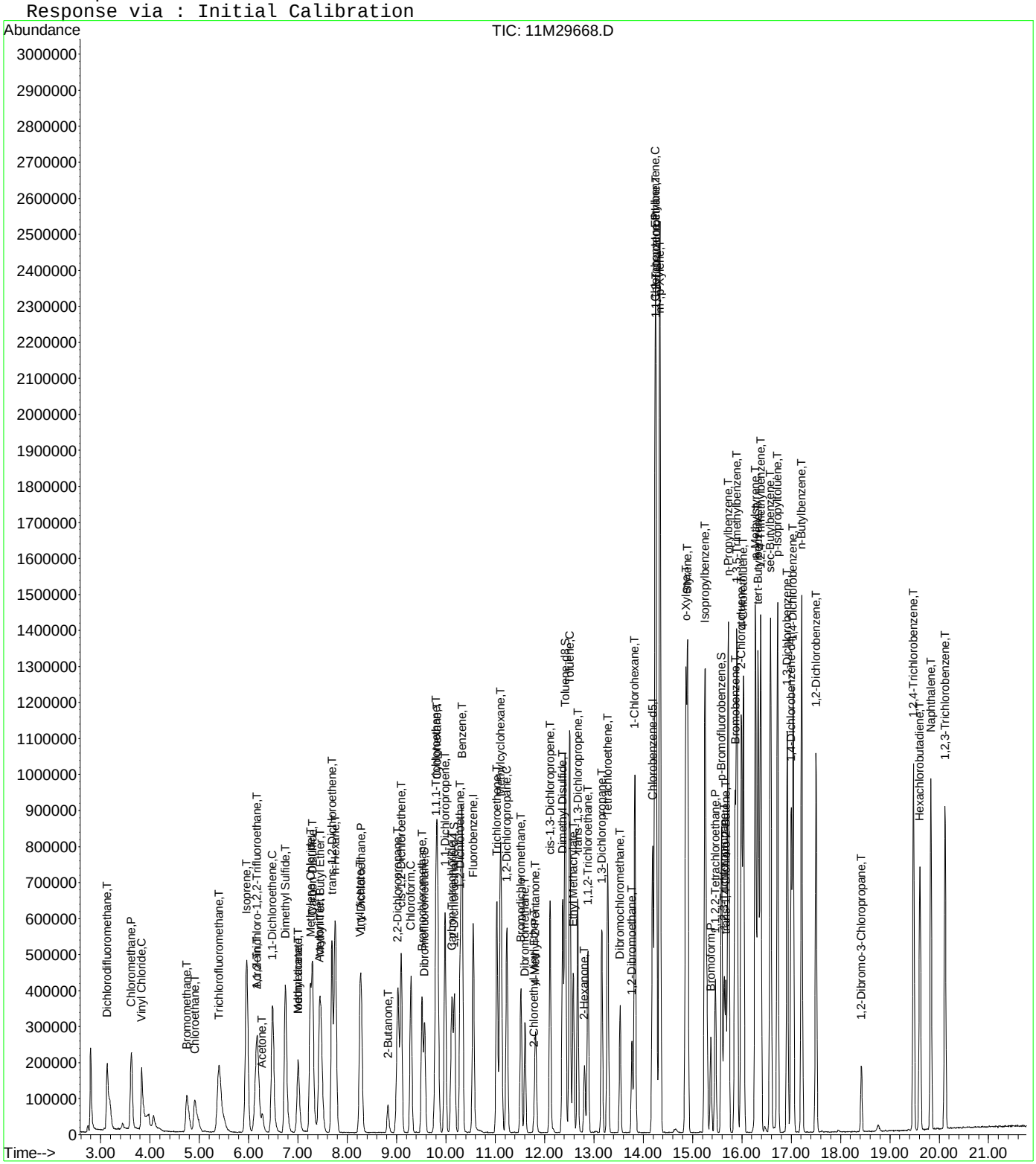
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
44)	cis-1,3-Dichloropropene	12.11	75	390776	55.8391 ug/Kg	92
45)	Dimethyl Disulfide	12.37	79	213368	51.2247 ug/Kg	93
48)	Toluene	12.51	91	1015913	53.1923 ug/Kg	98
49)	Ethyl Methacrylate	12.58	69	267013	49.6206 ug/Kg	99
50)	trans-1,3-Dichloropropene	12.67	75	373104	54.8448 ug/Kg	96
51)	1,1,2-Trichloroethane	12.87	97	195094	52.8051 ug/Kg	98
52)	2-Hexanone	12.81	43	173162	49.1270 ug/Kg	90
53)	1,3-Dichloropropane	13.16	76	348649	51.6829 ug/Kg	75
54)	Tetrachloroethene	13.28	164	227739	54.1410 ug/Kg	92
55)	Dibromochloromethane	13.53	129	237256	54.6317 ug/Kg	99
56)	1,2-Dibromoethane	13.77	107	218840	53.1261 ug/Kg	99
57)	1-Chlorohexane	13.83	91	360803	57.9589 ug/Kg	71
58)	Chlorobenzene	14.24	112	697972	52.2749 ug/Kg	100
59)	1,1,1,2-Tetrachloroethane	14.27	131	241110	56.2465 ug/Kg	98
60)	Ethylbenzene	14.25	106	393622	53.6852 ug/Kg	80
61)	m-,p-Xylene	14.34	106	964403	111.5865 ug/Kg	84
62)	o-Xylene	14.86	91	927831	54.7945 ug/Kg	89
63)	Styrene	14.90	104	785227	56.2432 ug/Kg	91
64)	Bromoform	15.37	173	159181	49.1649 ug/Kg	96
65)	Isopropylbenzene	15.25	105	1216998	56.1798 ug/Kg	99
67)	1,1,2,2-Tetrachloroethane	15.46	83	266817	49.7153 ug/Kg	97
69)	1,2,3-Trichloropropane	15.64	110	90279	53.3390 ug/Kg	69
70)	trans-1,4-Dichloro-2-Buten	15.68	53	138097	52.4210 ug/Kg	58
71)	n-Propylbenzene	15.73	91	1462382	56.1537 ug/Kg	91
72)	Bromobenzene	15.87	156	288493	53.4525 ug/Kg	65
73)	1,3,5-Trimethylbenzene	15.90	105	1042264	55.9956 ug/Kg	99
74)	2-Chlorotoluene	15.99	91	878825	55.9086 ug/Kg	90
75)	4-Chlorotoluene	16.03	91	823143	53.5260 ug/Kg	92
76)	a-Methylstyrene	16.27	118	592647	54.0422 ug/Kg	99
77)	tert-Butylbenzene	16.33	134	222472	55.9900 ug/Kg	71
78)	1,2,4-Trimethylbenzene	16.38	105	1067606	55.5485 ug/Kg	99
79)	sec-Butylbenzene	16.58	105	1409487	56.6375 ug/Kg	98
80)	p-Isopropyltoluene	16.72	119	1137101	55.0037 ug/Kg	99
81)	1,3-Dichlorobenzene	16.92	146	590142	53.8204 ug/Kg	93
82)	1,4-Dichlorobenzene	17.04	146	595093	53.5006 ug/Kg	92
83)	n-Butylbenzene	17.21	91	1061990	56.3314 ug/Kg	91
84)	1,2-Dichlorobenzene	17.50	146	552071	53.6312 ug/Kg	91
85)	1,2-Dibromo-3-Chloropropan	18.42	75	59616	54.0145 ug/Kg	93
86)	1,2,4-Trichlorobenzene	19.48	180	374860	52.5653 ug/Kg	97
87)	Hexachlorobutadiene	19.61	225	178342	54.5989 ug/Kg	93
88)	Naphthalene	19.83	128	955839	52.7768 ug/Kg	100
89)	1,2,3-Trichlorobenzene	20.12	180	351862	52.1684 ug/Kg	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101705\11M29668.D Vial: 13
Acq On : 17 Oct 2005 12:35 Operator: CMS
Sample : WG198725-08 50ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:34 2005 Quant Results File: 8260BSL.RES

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\101705\11M29669.D Vial: 14
Acq On : 17 Oct 2005 13:07 Operator: CMS
Sample : WG198725-09 100ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:34:35 2005 Quant Results File: 8260BSL.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Initial Calibration
DataAcq Meth : 8260SLST

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	10.555	96	727815	50.0000 ug/Kg	0.000
46) Chlorobenzene-d5	14.193	117	582949	50.0000 ug/Kg	0.000
66) 1,4-Dichlorobenzene-d4	17.003	152	323495	50.0000 ug/Kg	0.000

System Monitoring Compounds					
29) Dibromofluoromethane	9.563	111	540971	108.6335808 ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 217.27%#		
34) 1,2-Dichloroethane-d4	10.171	65	724386	108.8173174 ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 217.63%#		
47) Toluene-d8	12.416	98	1772580	106.8341953 ug/Kg	0.00
Spiked Amount 50.000	Range 81 - 117		Recovery = 213.67%#		
68) p-Bromofluorobenzene	15.586	95	726601	102.0313569 ug/Kg	0.00
Spiked Amount 50.000	Range 74 - 121		Recovery = 204.06%#		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.13	85	812616m	101.7309 ug/Kg	
3) Chloromethane	3.63	50	778722	92.5743 ug/Kg	97
4) Vinyl Chloride	3.83	62	464375	78.0465 ug/Kg	99
5) Bromomethane	4.74	94	358278	99.4733 ug/Kg	98
6) Chloroethane	4.90	64	466964m	107.2627 ug/Kg	
7) Trichlorofluoromethane	5.40	101	1095123	108.0250 ug/Kg	100
8) Isoprene	5.96	67	692558	98.7073 ug/Kg	68
9) Acrolein	6.17	56	107778	205.5589 ug/Kg	95
10) 1,1,2-Trichloro-1,2,2-Trif	6.17	101	579433	102.2587 ug/Kg	85
11) Acetone	6.28	43	242361	98.1368 ug/Kg	92
12) 1,1-Dichloroethene	6.48	96	499651	105.8924 ug/Kg	71
13) Dimethyl Sulfide	6.75	62	741503	111.2053 ug/Kg	75
14) Iodomethane	6.99	142	428504	99.5783 ug/Kg	98
15) Methyl acetate	7.00	43	528605	103.6117 ug/Kg#	55
16) Methylene Chloride	7.25	84	544097	104.3768 ug/Kg	55
17) Carbon Disulfide	7.29	76	1681359	101.8166 ug/Kg	98
18) Acrylonitrile	7.43	53	269484	111.9478 ug/Kg	99
19) Methyl Tert Butyl Ether	7.46	73	1472120	110.5510 ug/Kg	93
20) trans-1,2-Dichloroethene	7.69	96	530556	104.3784 ug/Kg	72
21) n-Hexane	7.76	57	1009875	102.8054 ug/Kg	93
22) Vinyl Acetate	8.26	43	1446539	115.7594 ug/Kg	93
23) 1,1-Dichloroethane	8.29	63	1191047	108.3851 ug/Kg	99
24) 2-Butanone	8.82	43	335062	111.0444 ug/Kg	87
25) 2,2-Dichloropropane	9.03	77	896112	108.7994 ug/Kg	96
26) cis-1,2-Dichloroethene	9.09	96	559597	107.6148 ug/Kg	74
27) Chloroform	9.29	83	999487	107.3451 ug/Kg	99
28) Bromochloromethane	9.51	130	345292	107.4497 ug/Kg	95
30) 1,1,1-Trichloroethane	9.79	97	904321	108.2554 ug/Kg	89
31) Cyclohexane	9.82	56	1140464	105.3503 ug/Kg	83
32) 1,1-Dichloropropene	9.98	75	779293	107.8095 ug/Kg	95
33) Carbon Tetrachloride	10.12	117	800880	98.4603 ug/Kg	98
35) 1,2-Dichloroethane	10.29	62	951485	108.7123 ug/Kg	95
36) Benzene	10.32	78	2071353	104.9896 ug/Kg	99
37) Trichloroethene	11.04	130	572770	104.3423 ug/Kg	91
38) Methylcyclohexane	11.11	83	872152	102.7437 ug/Kg	77
39) 1,2-Dichloropropane	11.24	63	610860	107.4333 ug/Kg	98
40) Bromodichloromethane	11.52	83	723992	111.8481 ug/Kg	98
41) Dibromomethane	11.60	93	307911	108.6319 ug/Kg	83
42) 2-Chloroethyl Vinyl Ether	11.79	63	58779	94.1106 ug/Kg	87
43) 4-Methyl-2-Pentanone	11.81	58	247221	101.2908 ug/Kg	93

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\101705\11M29669.D Vial: 14
Acq On : 17 Oct 2005 13:07 Operator: CMS
Sample : WG198725-09 100ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:34:35 2005 Quant Results File: 8260BSL.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Initial Calibration
DataAcq Meth : 8260SLST

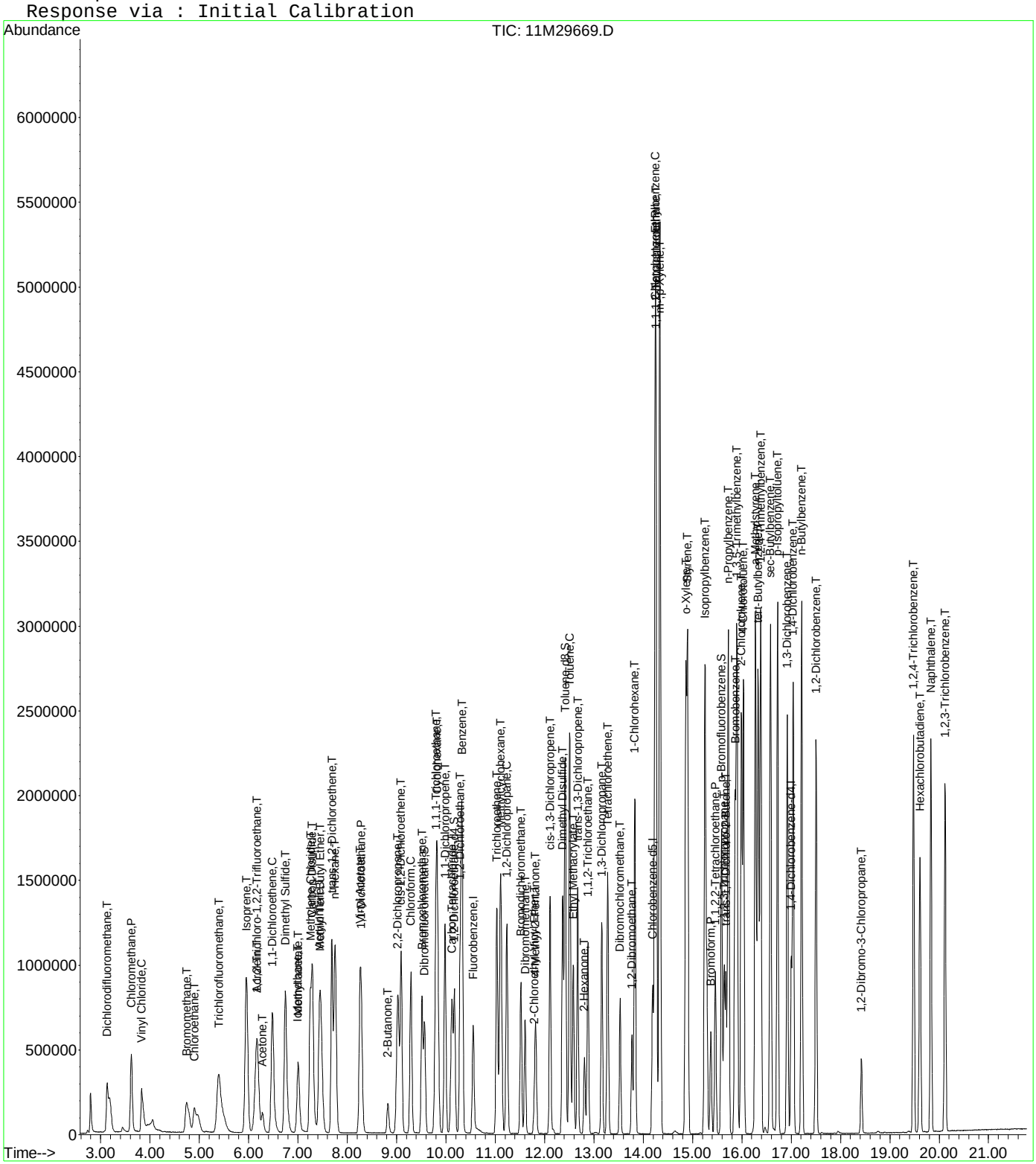
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
44) cis-1,3-Dichloropropene	12.11	75	877103	113.8188	ug/Kg	94
45) Dimethyl Disulfide	12.36	79	478806	100.8829	ug/Kg	92
48) Toluene	12.51	91	2155051	103.9309	ug/Kg	99
49) Ethyl Methacrylate	12.58	69	605334	101.0646	ug/Kg	100
50) trans-1,3-Dichloropropene	12.67	75	841617	113.9501	ug/Kg	97
51) 1,1,2-Trichloroethane	12.88	97	421569	105.0982	ug/Kg	100
52) 2-Hexanone	12.81	43	412775	107.8638	ug/Kg	91
53) 1,3-Dichloropropane	13.16	76	770893	105.2561	ug/Kg	76
54) Tetrachloroethene	13.28	164	470762	103.0827	ug/Kg	91
55) Dibromochloromethane	13.53	129	536390	113.7636	ug/Kg	96
56) 1,2-Dibromoethane	13.77	107	487935	109.1034	ug/Kg	99
57) 1-Chlorohexane	13.83	91	715918	105.9274	ug/Kg	70
58) Chlorobenzene	14.24	112	1472329	101.5677	ug/Kg	99
59) 1,1,1,2-Tetrachloroethane	14.27	131	516514	110.9833	ug/Kg	98
60) Ethylbenzene	14.25	106	828051	104.0226	ug/Kg	80
61) m-,p-Xylene	14.34	106	2025540	215.8684	ug/Kg	84
62) o-Xylene	14.86	91	2010221	109.3471	ug/Kg	90
63) Styrene	14.90	104	1701957	112.2842	ug/Kg	94
64) Bromoform	15.37	173	371150	103.1460	ug/Kg	99
65) Isopropylbenzene	15.25	105	2561034	108.8932	ug/Kg	100
67) 1,1,2,2-Tetrachloroethane	15.46	83	612033	101.9671	ug/Kg	99
69) 1,2,3-Trichloropropane	15.64	110	203456	107.4825	ug/Kg	75
70) trans-1,4-Dichloro-2-Buten	15.68	53	295806	97.8891	ug/Kg	66
71) n-Propylbenzene	15.73	91	3052364	104.8003	ug/Kg	91
72) Bromobenzene	15.86	156	624077	103.3902	ug/Kg	68
73) 1,3,5-Trimethylbenzene	15.90	105	2229903	107.1200	ug/Kg	100
74) 2-Chlorotoluene	15.99	91	1910821	108.6938	ug/Kg	91
75) 4-Chlorotoluene	16.03	91	1773824	103.1356	ug/Kg	91
76) a-Methylstyrene	16.27	118	1244457	100.9347	ug/Kg	99
77) tert-Butylbenzene	16.33	134	463395	104.2786	ug/Kg	82
78) 1,2,4-Trimethylbenzene	16.38	105	2302635	107.1260	ug/Kg	100
79) sec-Butylbenzene	16.58	105	2941182	105.6753	ug/Kg	98
80) p-Isopropyltoluene	16.72	119	2435706	105.3480	ug/Kg	100
81) 1,3-Dichlorobenzene	16.92	146	1272487	103.7653	ug/Kg	93
82) 1,4-Dichlorobenzene	17.04	146	1298206	104.3581	ug/Kg	94
83) n-Butylbenzene	17.21	91	2269978	107.6615	ug/Kg	91
84) 1,2-Dichlorobenzene	17.50	146	1202467	104.4492	ug/Kg	93
85) 1,2-Dibromo-3-Chloropropan	18.42	75	138223	111.9790	ug/Kg	94
86) 1,2,4-Trichlorobenzene	19.48	180	869317	108.9976	ug/Kg	96
87) Hexachlorobutadiene	19.61	225	399290	109.3018	ug/Kg	93
88) Naphthalene	19.83	128	2268256	111.9848	ug/Kg	99
89) 1,2,3-Trichlorobenzene	20.12	180	813140	107.7976	ug/Kg	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\101705\11M29669.D Vial: 14
Acq On : 17 Oct 2005 13:07 Operator: CMS
Sample : WG198725-09 100ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:34 2005 Quant Results File: 8260BSL.RES

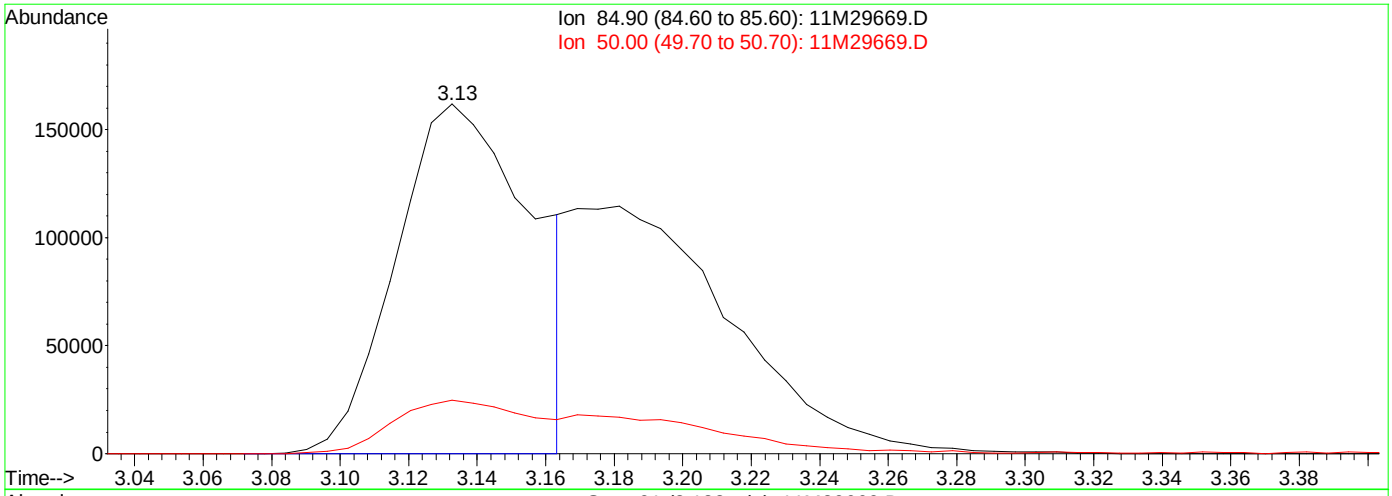
Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Initial Calibration

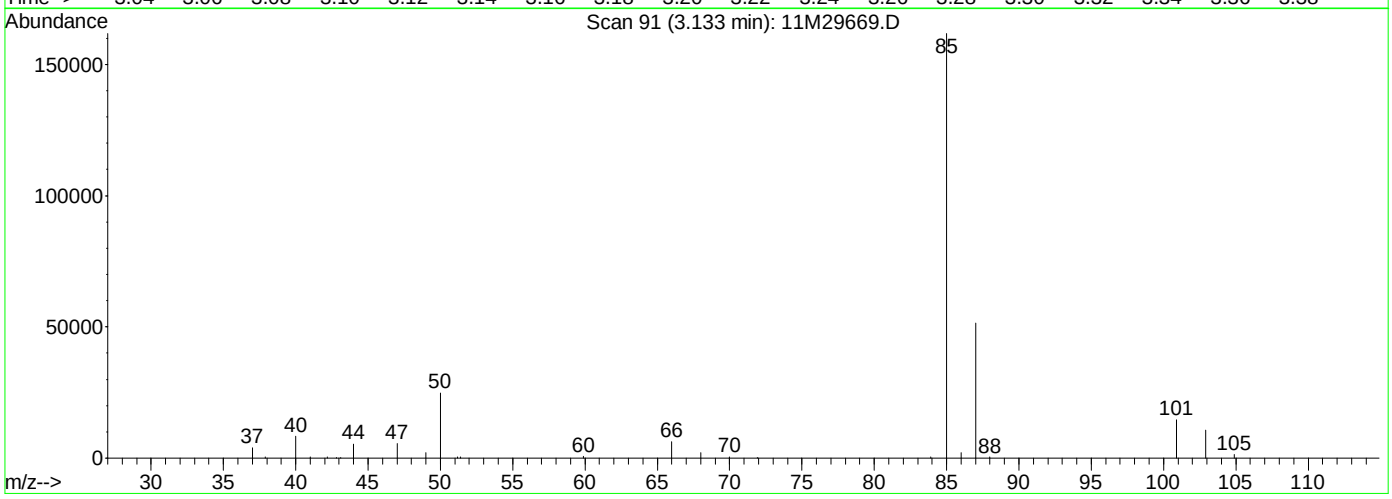


Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101705\11M29669.D Vial: 14
Acq On : 17 Oct 2005 13:07 Operator: CMS
Sample : WG198725-09 100ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:34 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Multiple Level Calibration





TIC: 11M29669.D

(2) Dichlorodifluoromethane (T)

3.13min 55.56ug/Kg

response 443829

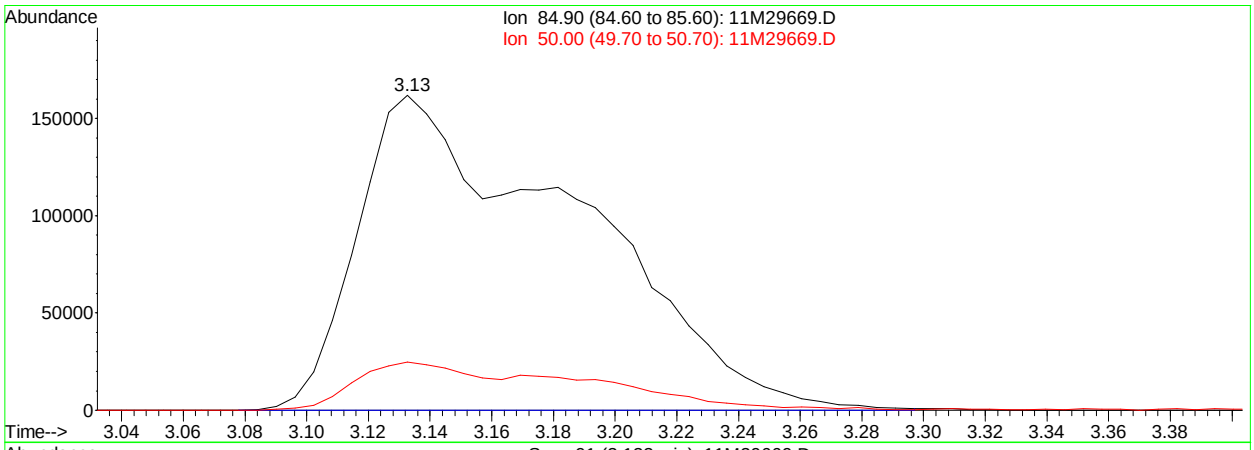
Ion	Exp%	Act%
84.90	100	100
50.00	12.40	15.55
0.00	0.00	0.00
0.00	0.00	0.00

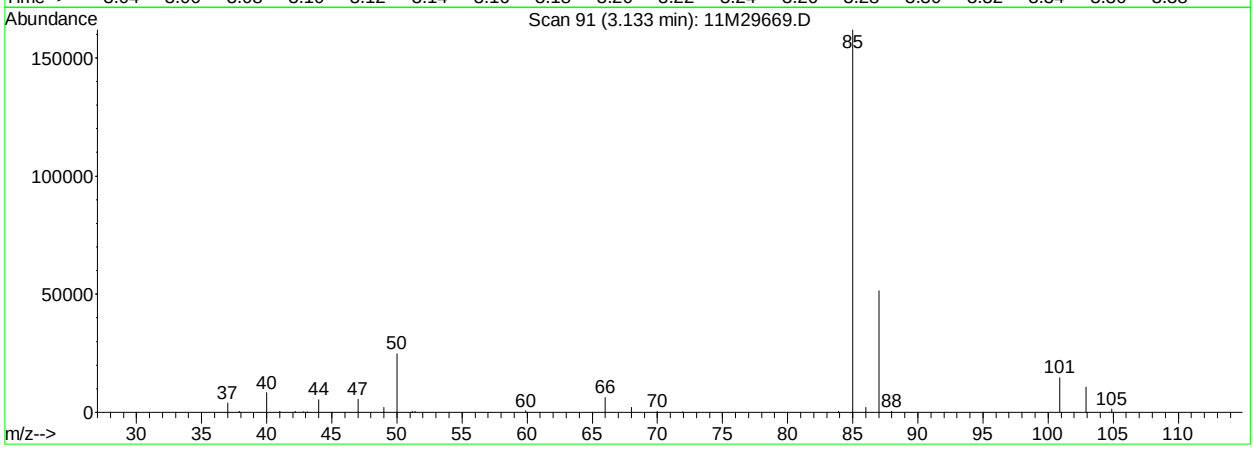
11M29669.D 8260BSL.M Mon Oct 17 18:34:47 2005

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101705\11M29669.D Vial: 14
Acq On : 17 Oct 2005 13:07 Operator: CMS
Sample : WG198725-09 100ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:34 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Multiple Level Calibration





TIC: 11M29669.D

(2) Dichlorodifluoromethane (T)

3.13min 101.73ug/Kg m

response 812616

Ion	Exp%	Act%
84.90	100	100
50.00	12.40	8.50
0.00	0.00	0.00
0.00	0.00	0.00

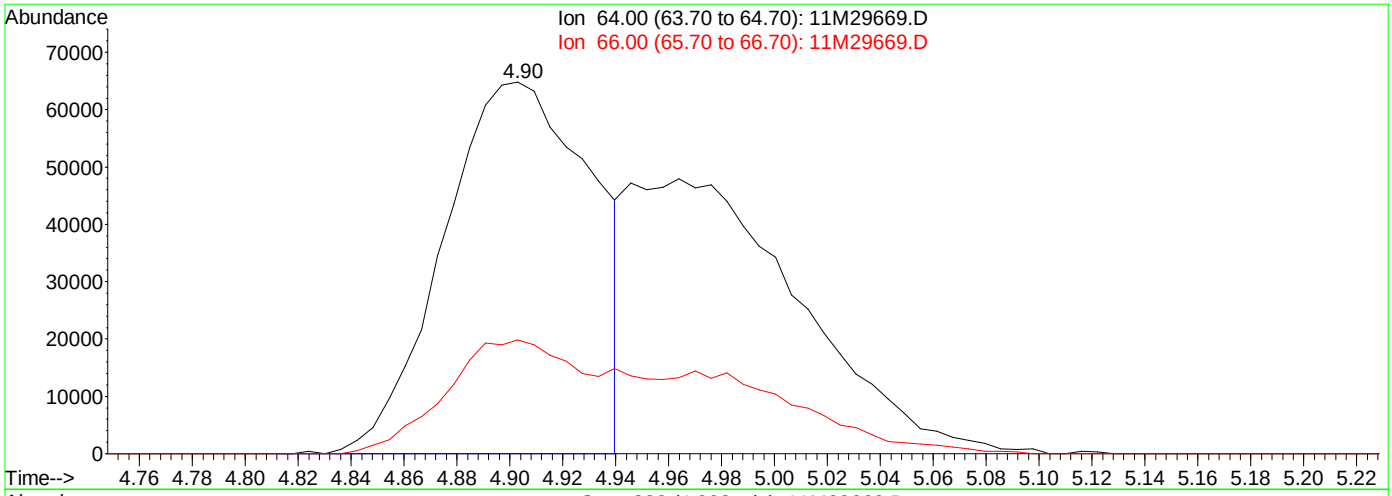
11M29669.D 8260BSL.M Mon Oct 17 18:34:51 2005

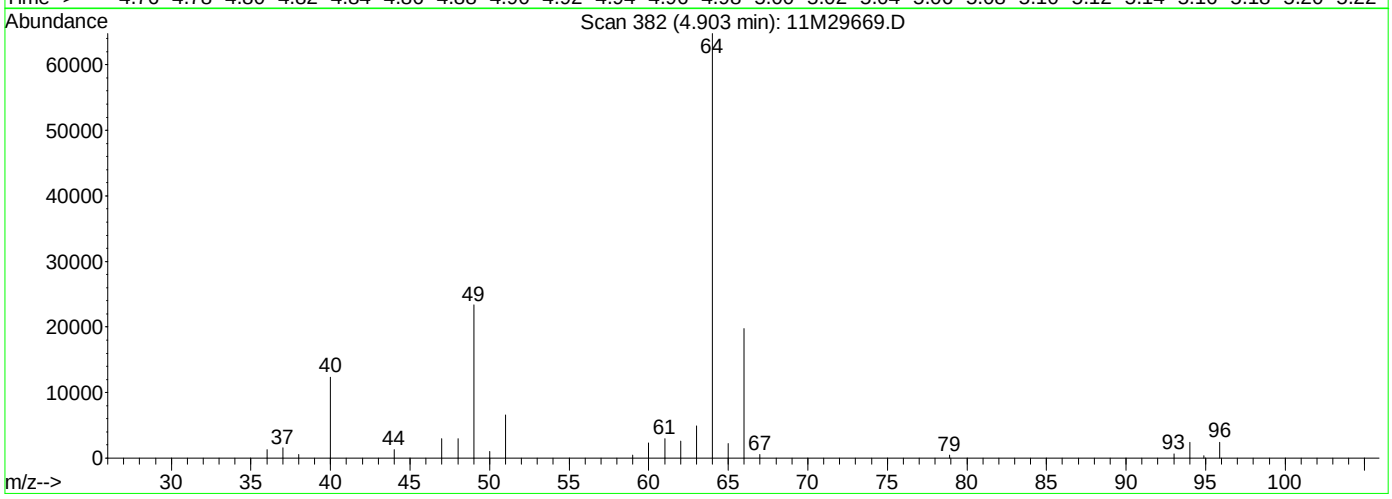
Approved: October 18, 2005	Supervisor: October 18, 2005
Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak	
Crystal Stevens	

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101705\11M29669.D Vial: 14
Acq On : 17 Oct 2005 13:07 Operator: CMS
Sample : WG198725-09 100ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:34 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Single Level Calibration





TIC: 11M29669.D

(6) Chloroethane (T)

4.90min 58.10ug/Kg

response 252955

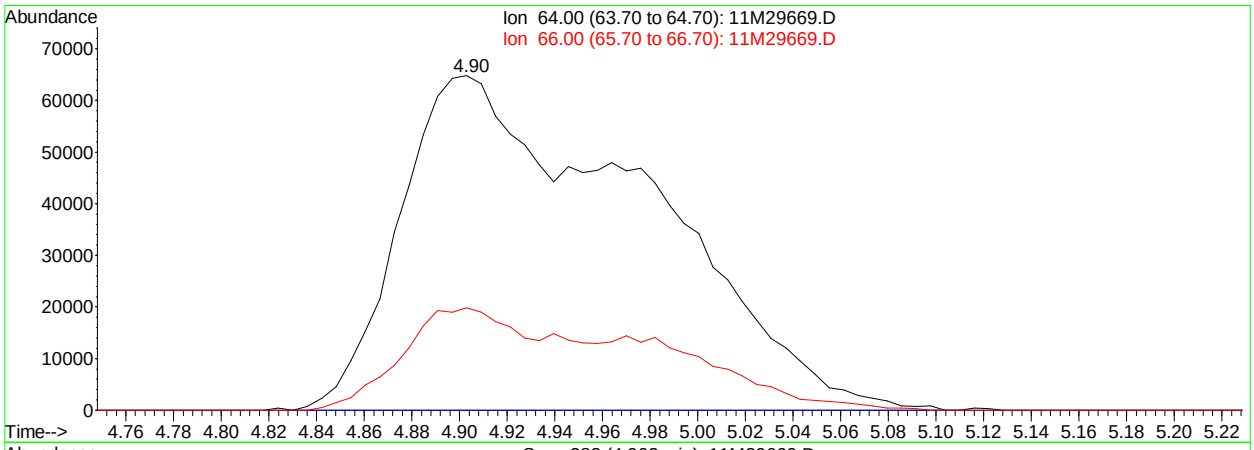
Ion	Exp%	Act%
64.00	100	100
66.00	30.80	27.52
0.00	0.00	0.00
0.00	0.00	0.00

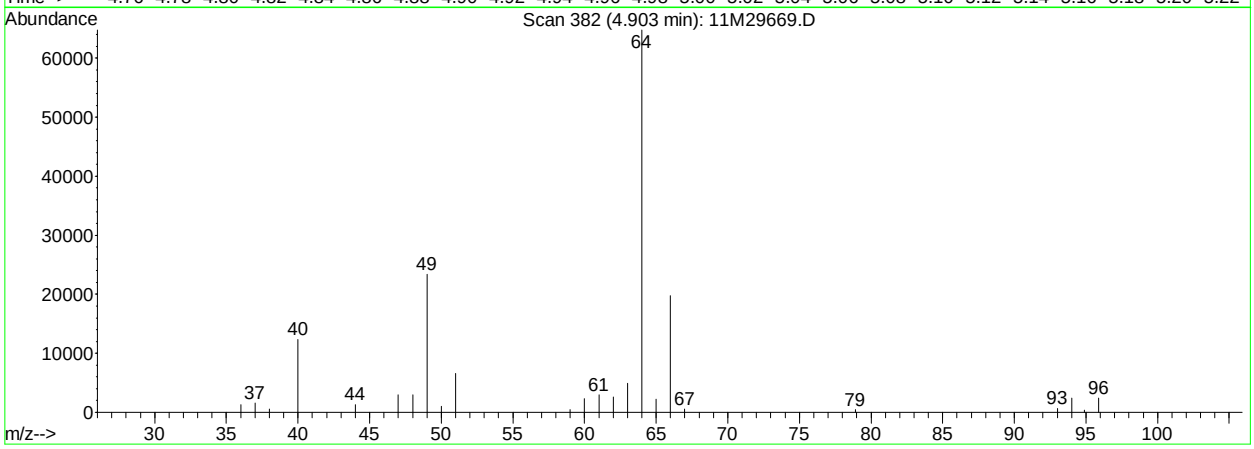
11M29669.D 8260BSL.M Mon Oct 17 18:34:56 2005

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101705\11M29669.D Vial: 14
Acq On : 17 Oct 2005 13:07 Operator: CMS
Sample : WG198725-09 100ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:34 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Single Level Calibration





TIC: 11M29669.D

(6) Chloroethane (T)

4.90min 107.26ug/Kg m

response 466964

Ion	Exp%	Act%
64.00	100	100
66.00	30.80	14.91#
0.00	0.00	0.00
0.00	0.00	0.00

11M29669.D 8260BSL.M Mon Oct 17 18:35:02 2005

Approved: October 18, 2005	Supervisor: October 18, 2005
Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak	

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\101705\11M29670.D Vial: 15
Acq On : 17 Oct 2005 13:39 Operator: CMS
Sample : WG198725-10 200ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:35:15 2005 Quant Results File: 8260BSL.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Initial Calibration
DataAcq Meth : 8260SLST

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	10.549	96	810202	50.0000 ug/Kg	0.000
46) Chlorobenzene-d5	14.193	117	639021	50.0000 ug/Kg	0.000
66) 1,4-Dichlorobenzene-d4	17.003	152	349036	50.0000 ug/Kg	0.000

System Monitoring Compounds					
29) Dibromofluoromethane	9.569	111	1196144	215.7750708 ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 431.55%#		
34) 1,2-Dichloroethane-d4	10.171	65	1562660	210.8726005 ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 421.75%#		
47) Toluene-d8	12.416	98	3834455	210.8256825 ug/Kg	0.00
Spiked Amount 50.000	Range 81 - 117		Recovery = 421.65%#		
68) p-Bromofluorobenzene	15.586	95	1547627	201.4194096 ug/Kg	0.00
Spiked Amount 50.000	Range 74 - 121		Recovery = 402.84%#		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.19	85	1800865m	202.5240 ug/Kg	
3) Chloromethane	3.63	50	1800426	192.2698 ug/Kg	96
5) Bromomethane	4.76	94	852620	200.0379 ug/Kg	99
6) Chloroethane	4.98	64	1102829m	227.5627 ug/Kg	
7) Trichlorofluoromethane	5.38	101	2560041	226.8486 ug/Kg	100
8) Isoprene	5.94	67	1689980	216.3727 ug/Kg	69
9) Acrolein	6.17	56	237993	398.9135 ug/Kg	91
10) 1,1,2-Trichloro-1,2,2-Trif	6.16	101	1378773	218.5836 ug/Kg	86
11) Acetone	6.29	43	510085	185.5407 ug/Kg	93
12) 1,1-Dichloroethene	6.47	96	1179525	224.5603 ug/Kg	71
13) Dimethyl Sulfide	6.74	62	1686319	227.1851 ug/Kg	77
14) Iodomethane	6.99	142	980354	199.9047 ug/Kg	99
15) Methyl acetate	7.01	43	1143178	201.2886 ug/Kg#	56
16) Methylene Chloride	7.25	84	1217126	209.7446 ug/Kg	56
17) Carbon Disulfide	7.29	76	3898146	212.0527 ug/Kg	98
18) Acrylonitrile	7.43	53	590778	220.4625 ug/Kg	100
19) Methyl Tert Butyl Ether	7.46	73	3306162	223.0340 ug/Kg	93
20) trans-1,2-Dichloroethene	7.68	96	1237369	218.6786 ug/Kg	72
21) n-Hexane	7.75	57	2482701	227.0390 ug/Kg	93
22) Vinyl Acetate	8.26	43	3130694	225.0581 ug/Kg	93
23) 1,1-Dichloroethane	8.29	63	2730763	223.2300 ug/Kg	99
24) 2-Butanone	8.83	43	720918	214.6273 ug/Kg	88
25) 2,2-Dichloropropane	9.03	77	2102354	229.2966 ug/Kg	96
26) cis-1,2-Dichloroethene	9.09	96	1248989	215.7660 ug/Kg	71
27) Chloroform	9.29	83	2248684	216.9507 ug/Kg	99
28) Bromochloromethane	9.52	130	749680	209.5668 ug/Kg	95
30) 1,1,1-Trichloroethane	9.79	97	2086477	224.3717 ug/Kg	89
31) Cyclohexane	9.82	56	2747954	228.0297 ug/Kg	83
32) 1,1-Dichloropropene	9.98	75	1808785	224.7869 ug/Kg	95
33) Carbon Tetrachloride	10.12	117	1896943	200.2050 ug/Kg	98
35) 1,2-Dichloroethane	10.29	62	2051962	210.6075 ug/Kg	94
36) Benzene	10.32	78	4598288	209.3709 ug/Kg	100
37) Trichloroethene	11.03	130	1273055	208.3315 ug/Kg	91
38) Methylcyclohexane	11.11	83	2071714	219.2404 ug/Kg#	76
39) 1,2-Dichloropropane	11.23	63	1343080	212.1909 ug/Kg	97
40) Bromodichloromethane	11.52	83	1613587	223.9314 ug/Kg	99
41) Dibromomethane	11.60	93	645401	204.5454 ug/Kg	83
42) 2-Chloroethyl Vinyl Ether	11.78	63	151960	203.7678 ug/Kg	87
43) 4-Methyl-2-Pentanone	11.82	58	526716	199.7441 ug/Kg	93
44) cis-1,3-Dichloropropene	12.11	75	1946728	226.9323 ug/Kg	94

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\101705\11M29670.D Vial: 15
Acq On : 17 Oct 2005 13:39 Operator: CMS
Sample : WG198725-10 200ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:35:15 2005 Quant Results File: 8260BSL.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Initial Calibration
DataAcq Meth : 8260SLST

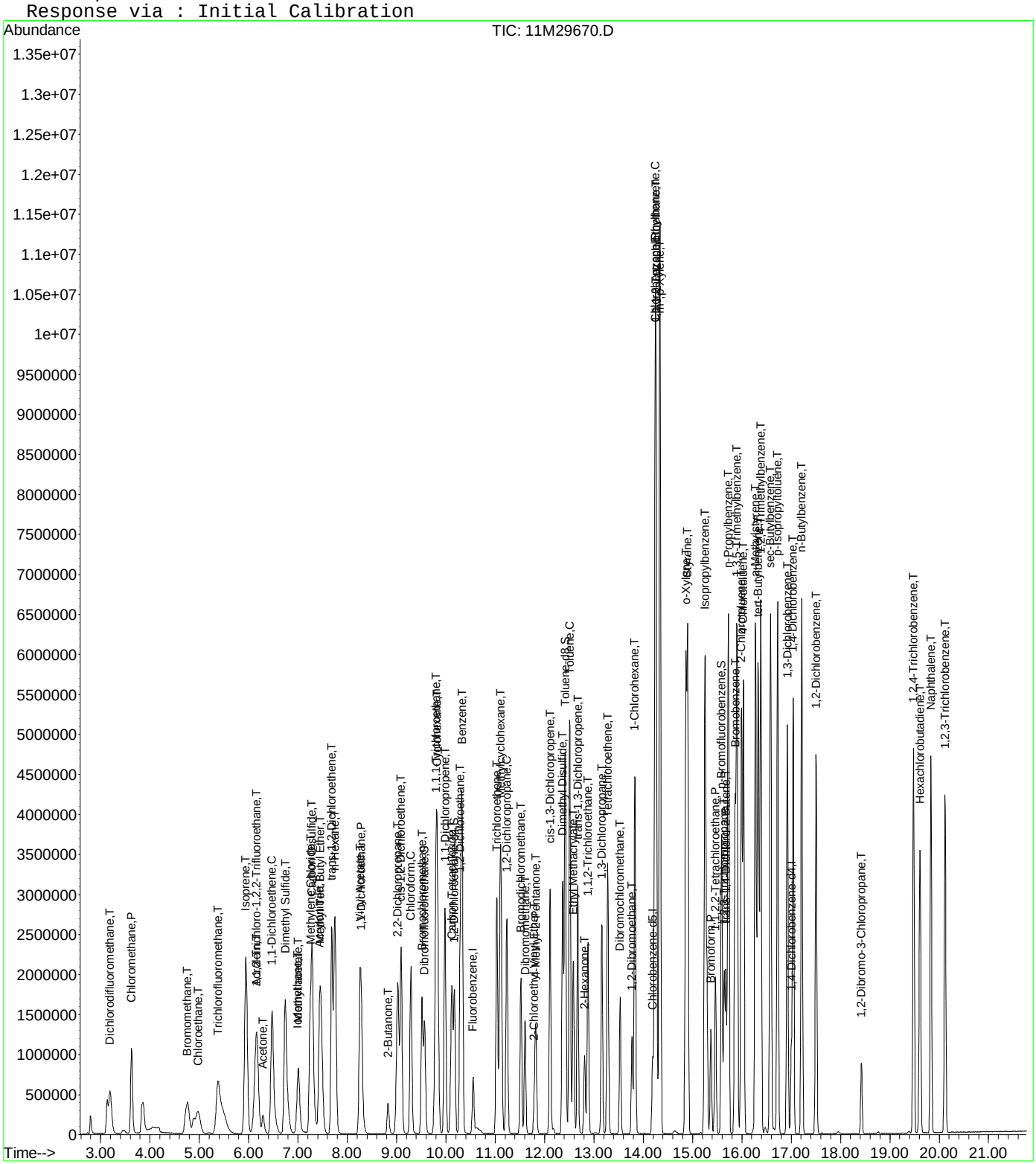
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
45)	Dimethyl Disulfide	12.37	79	1072091	199.4980	ug/Kg	91
48)	Toluene	12.51	91	4691099	206.3845	ug/Kg	99
49)	Ethyl Methacrylate	12.59	69	1334668	199.7852	ug/Kg	99
50)	trans-1,3-Dichloropropene	12.67	75	1865429	230.4064	ug/Kg	98
51)	1,1,2-Trichloroethane	12.88	97	898820	204.4160	ug/Kg	99
52)	2-Hexanone	12.81	43	899375	214.3970	ug/Kg	91
53)	1,3-Dichloropropane	13.16	76	1652592	205.8422	ug/Kg	76
54)	Tetrachloroethene	13.28	164	1042982	208.3419	ug/Kg	92
55)	Dibromochloromethane	13.53	129	1162694	224.9590	ug/Kg	98
56)	1,2-Dibromoethane	13.77	107	1023801	208.8370	ug/Kg	97
57)	1-Chlorohexane	13.83	91	1602597	216.3141	ug/Kg	66
58)	Chlorobenzene	14.24	112	3126475	196.7528	ug/Kg	100
59)	1,1,1,2-Tetrachloroethane	14.27	131	1101179	215.8484	ug/Kg	97
60)	Ethylbenzene	14.25	106	1778792	203.8503	ug/Kg	82
61)	m-,p-Xylene	14.34	106	4367005	424.5680	ug/Kg	85
62)	o-Xylene	14.87	91	4369530	216.8271	ug/Kg	91
63)	Styrene	14.90	104	3669388	220.8408	ug/Kg	93
64)	Bromoform	15.37	173	792153	198.8153	ug/Kg	98
65)	Isopropylbenzene	15.26	105	5635437	218.5891	ug/Kg	99
67)	1,1,2,2-Tetrachloroethane	15.46	83	1265444	195.4004	ug/Kg	100
69)	1,2,3-Trichloropropane	15.64	110	419209	205.2556	ug/Kg#	47
70)	trans-1,4-Dichloro-2-Buten	15.68	53	663949	200.6738	ug/Kg#	3
71)	n-Propylbenzene	15.73	91	6704980	213.3639	ug/Kg	92
72)	Bromobenzene	15.87	156	1305415	200.4413	ug/Kg	70
73)	1,3,5-Trimethylbenzene	15.90	105	4877235	217.1479	ug/Kg	99
74)	2-Chlorotoluene	15.99	91	4023153	212.1039	ug/Kg	92
75)	4-Chlorotoluene	16.03	91	3871252	208.6157	ug/Kg	92
76)	a-Methylstyrene	16.27	118	2652782	198.8239	ug/Kg	98
77)	tert-Butylbenzene	16.33	134	994826	207.4858	ug/Kg	68
78)	1,2,4-Trimethylbenzene	16.38	105	4944650	213.2076	ug/Kg	100
79)	sec-Butylbenzene	16.58	105	6450285	214.7969	ug/Kg	99
80)	p-Isopropyltoluene	16.72	119	5267454	211.1541	ug/Kg	100
81)	1,3-Dichlorobenzene	16.92	146	2668016	201.6437	ug/Kg	94
82)	1,4-Dichlorobenzene	17.04	146	2679537	199.6364	ug/Kg	95
83)	n-Butylbenzene	17.21	91	4956335	217.8698	ug/Kg	91
84)	1,2-Dichlorobenzene	17.50	146	2487364	200.2481	ug/Kg	93
85)	1,2-Dibromo-3-Chloropropan	18.42	75	298105	223.8323	ug/Kg	100
86)	1,2,4-Trichlorobenzene	19.48	180	1803168	209.5426	ug/Kg	96
87)	Hexachlorobutadiene	19.61	225	904910	229.5840	ug/Kg	94
88)	Naphthalene	19.83	128	4598006	210.3942	ug/Kg	99
89)	1,2,3-Trichlorobenzene	20.12	180	1677590	206.1233	ug/Kg	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\101705\11M29670.D Vial: 15
Acq On : 17 Oct 2005 13:39 Operator: CMS
Sample : WG198725-10 200ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:35 2005 Quant Results File: 8260BSL.RES

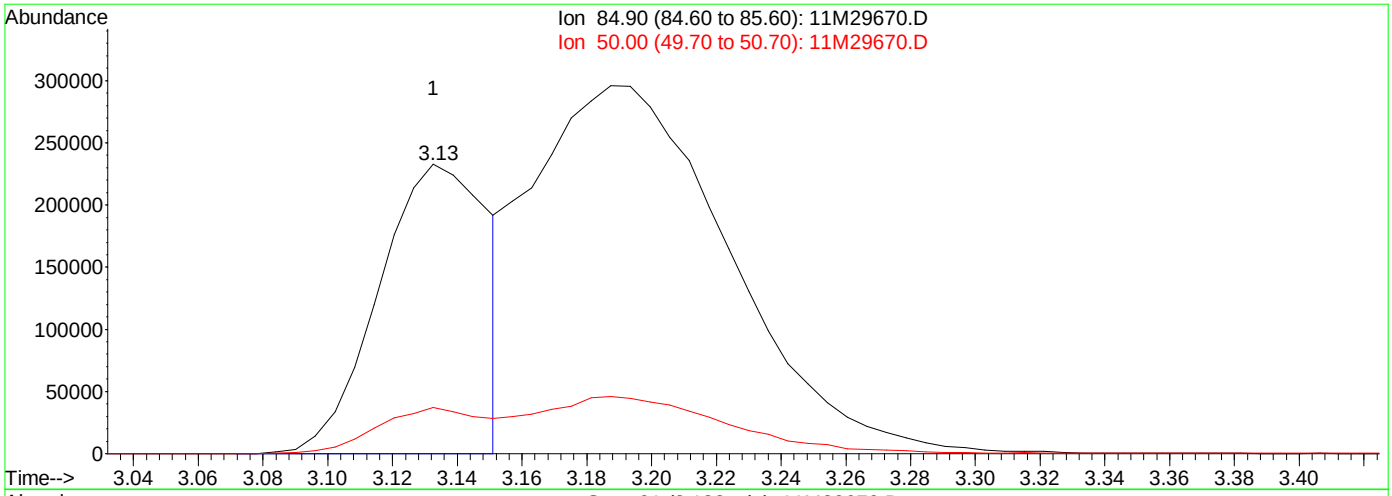
Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Initial Calibration

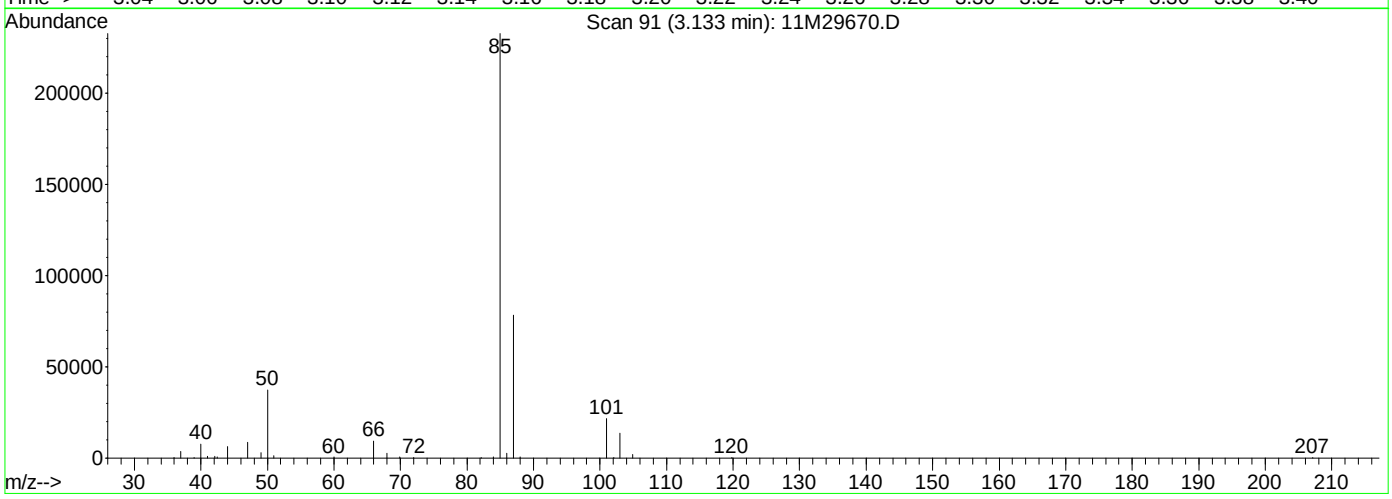


Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101705\11M29670.D Vial: 15
Acq On : 17 Oct 2005 13:39 Operator: CMS
Sample : WG198725-10 200ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:35 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Multiple Level Calibration





TIC: 11M29670.D

(2) Dichlorodifluoromethane (T)

3.13min 61.12ug/Kg

response 543518

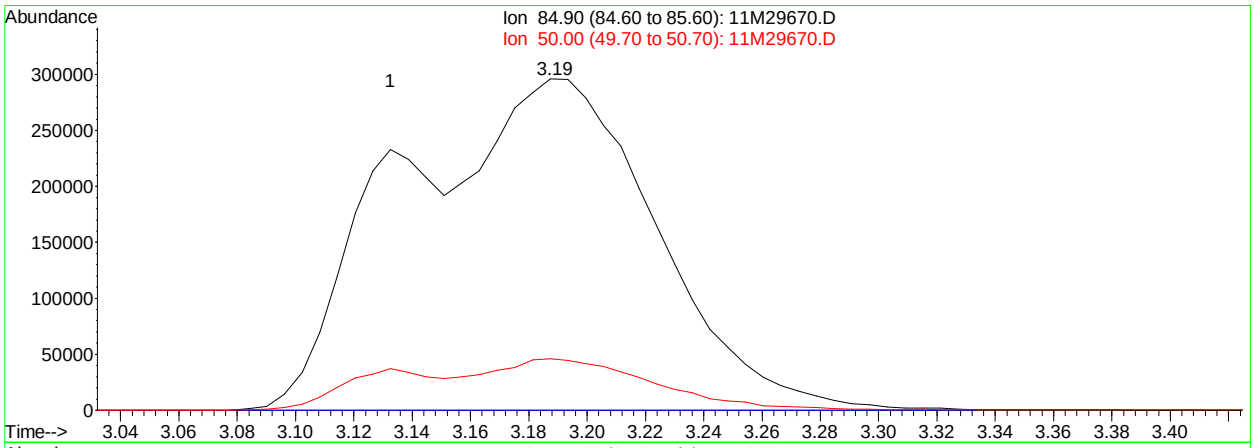
Ion	Exp%	Act%
84.90	100	100
50.00	12.40	15.55
0.00	0.00	0.00
0.00	0.00	0.00

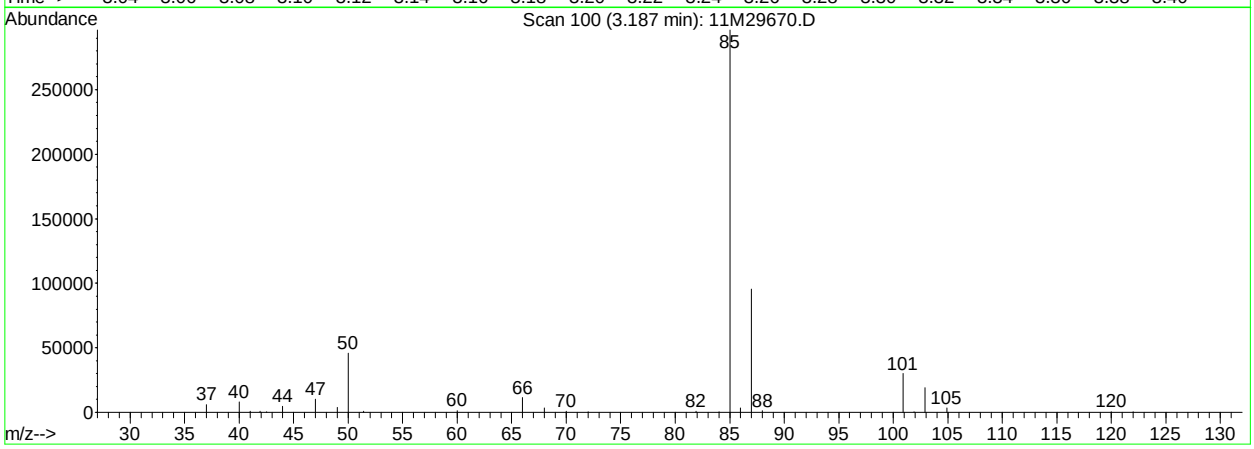
11M29670.D 8260BSL.M Mon Oct 17 18:35:23 2005

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101705\11M29670.D Vial: 15
Acq On : 17 Oct 2005 13:39 Operator: CMS
Sample : WG198725-10 200ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:35 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Multiple Level Calibration





TIC: 11M29670.D

(2) Dichlorodifluoromethane (T)

3.19min 202.52ug/Kg m

response 1800865

Ion	Exp%	Act%
84.90	100	100
50.00	12.40	4.69#
0.00	0.00	0.00
0.00	0.00	0.00

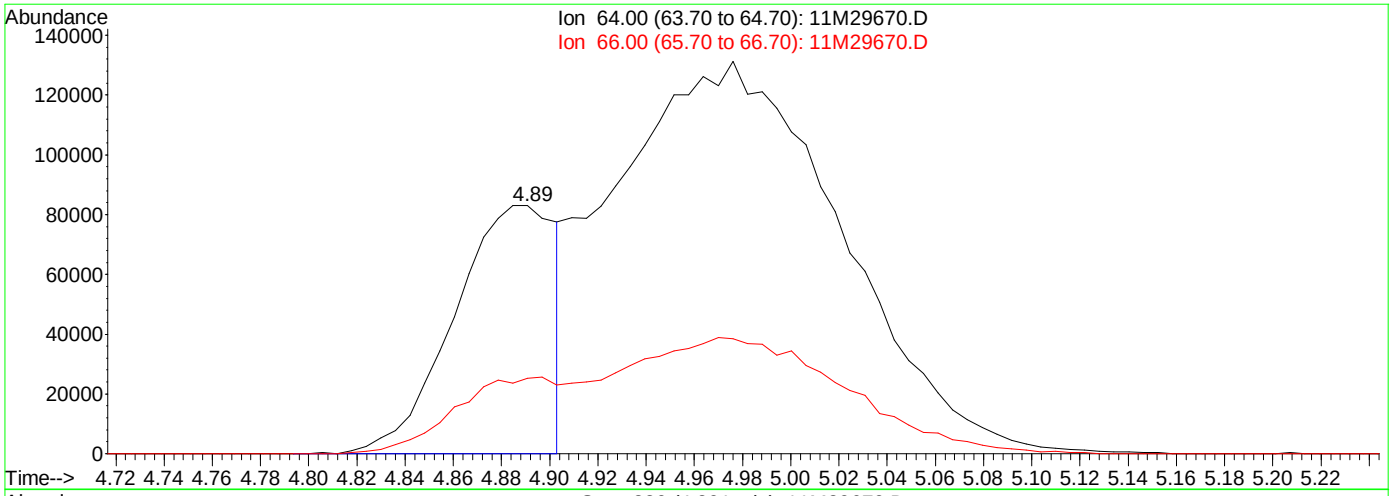
11M29670.D 8260BSL.M Mon Oct 17 18:35:31 2005

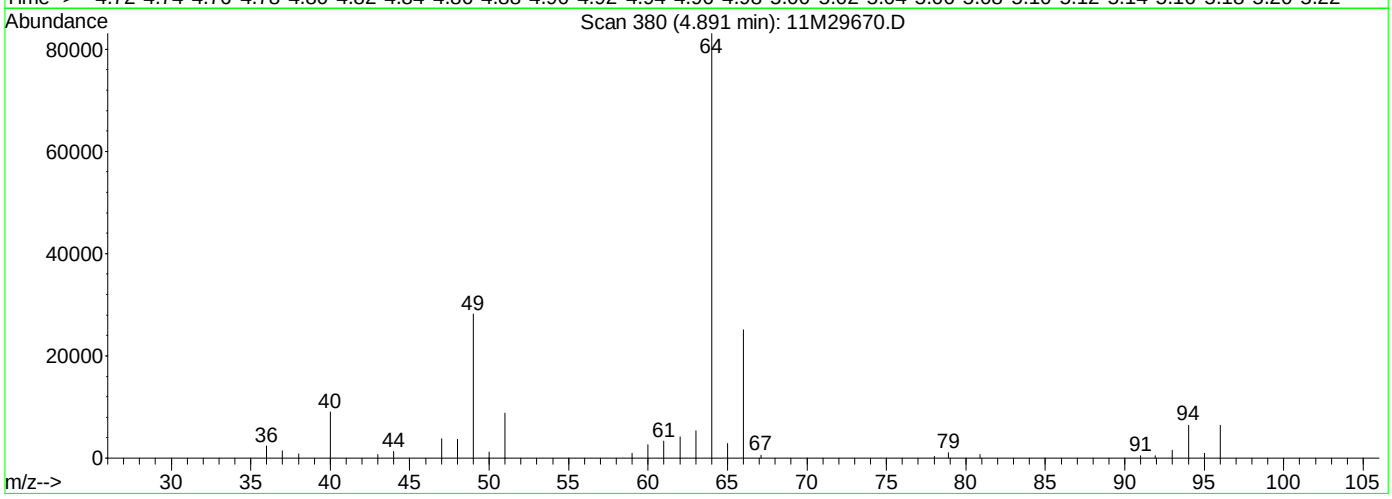
Approved: October 18, 2005	Supervisor: October 18, 2005
Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak	
Crystal Stevens	

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101705\11M29670.D Vial: 15
Acq On : 17 Oct 2005 13:39 Operator: CMS
Sample : WG198725-10 200ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:35 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Single Level Calibration





TIC: 11M29670.D

(6) Chloroethane (T)

4.89min 50.29ug/Kg

response 243731

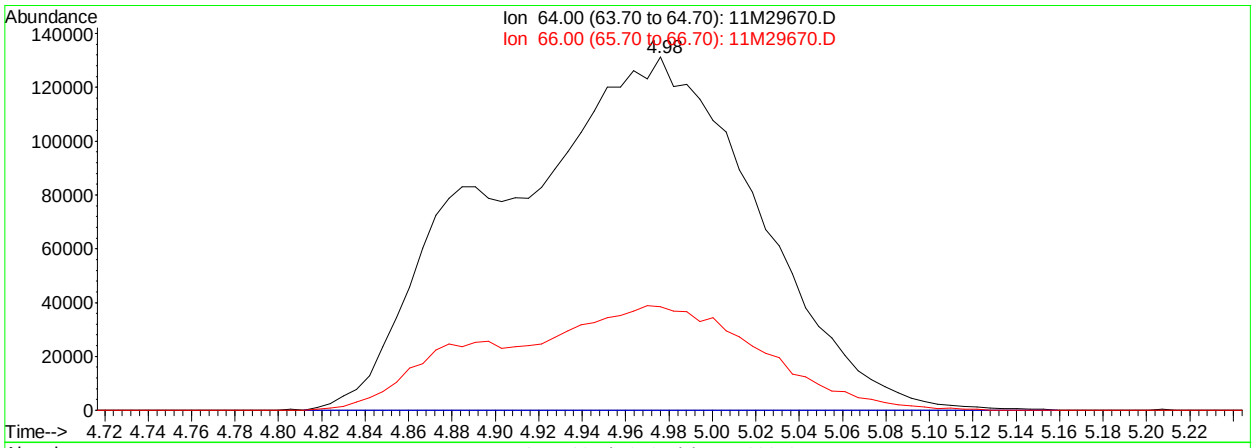
Ion	Exp%	Act%
64.00	100	100
66.00	30.80	34.28
0.00	0.00	0.00
0.00	0.00	0.00

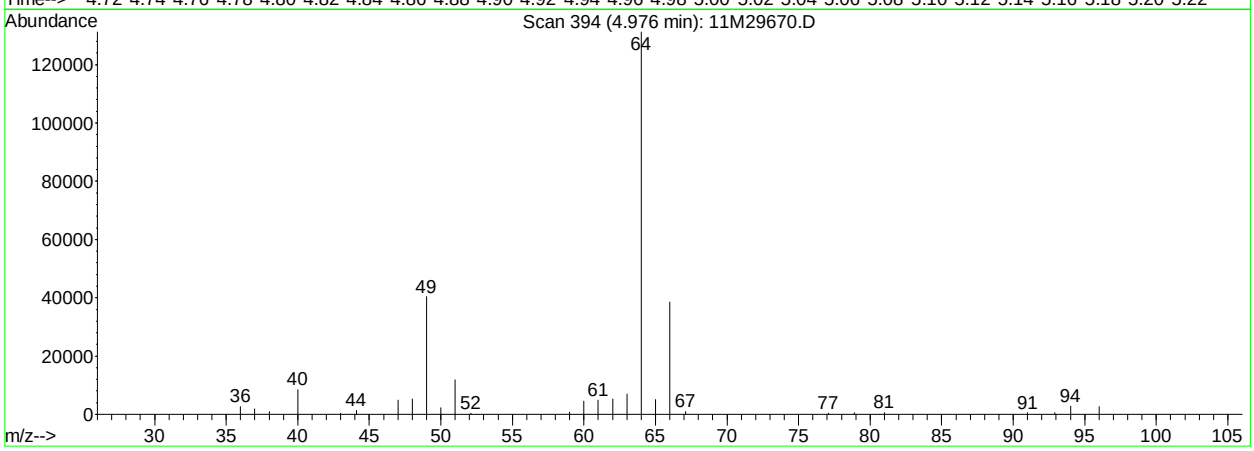
11M29670.D 8260BSL.M Mon Oct 17 18:35:38 2005

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101705\11M29670.D Vial: 15
Acq On : 17 Oct 2005 13:39 Operator: CMS
Sample : WG198725-10 200ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:35 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Single Level Calibration





TIC: 11M29670.D

(6) Chloroethane (T)

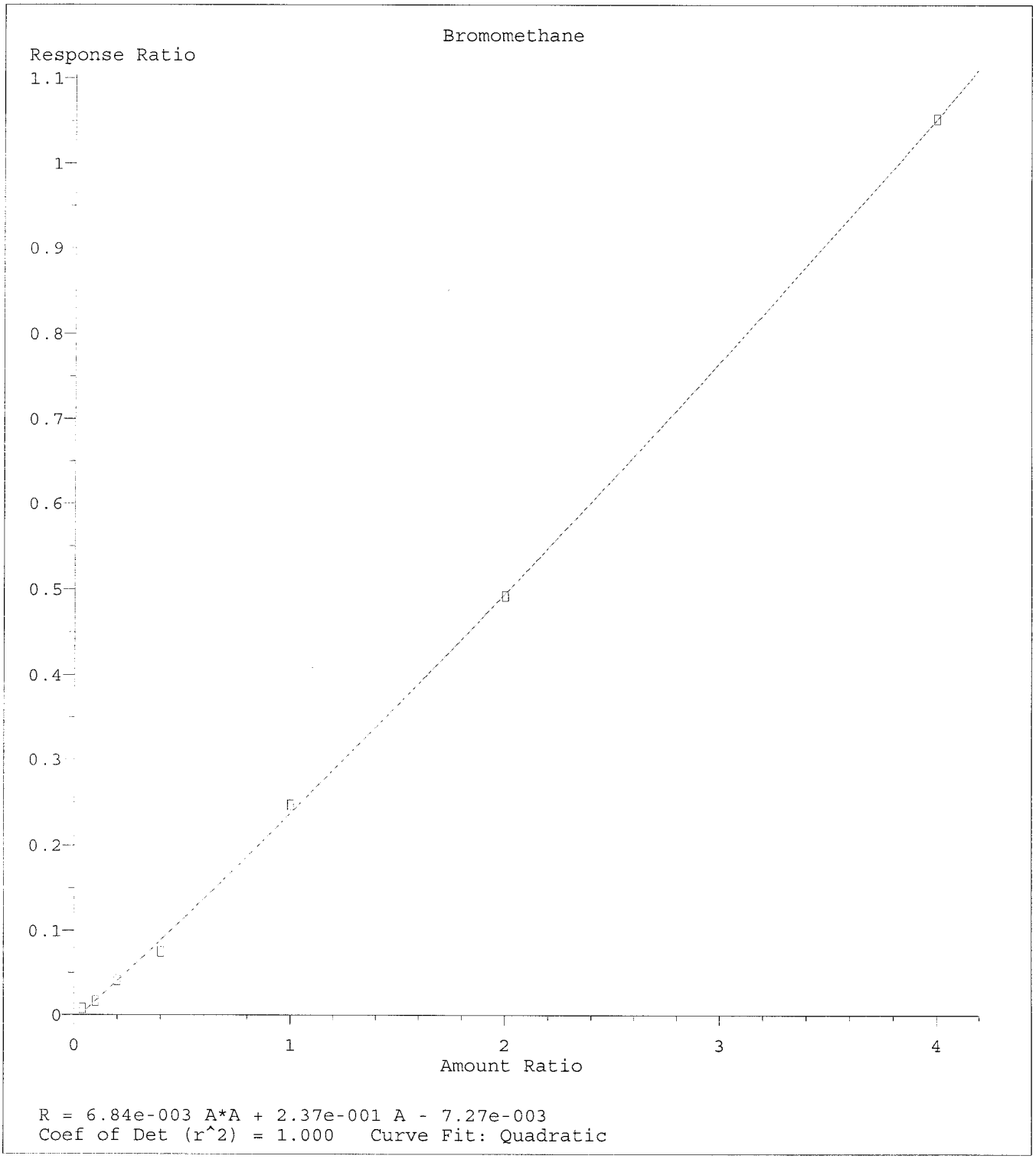
4.98min 227.56ug/Kg m

response 1102829

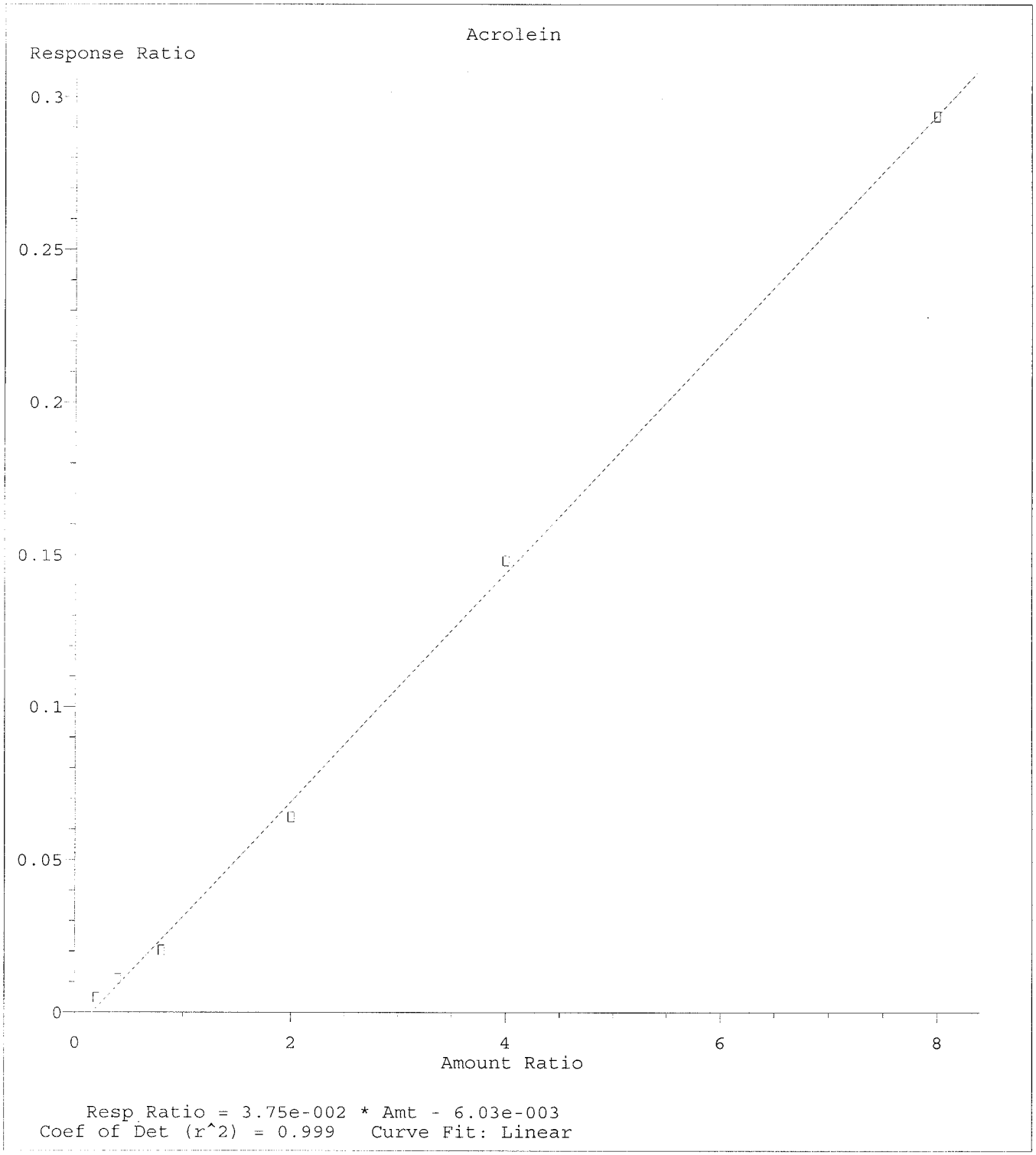
Ion	Exp%	Act%
64.00	100	100
66.00	30.80	7.58#
0.00	0.00	0.00
0.00	0.00	0.00

11M29670.D 8260BSL.M Mon Oct 17 18:35:42 2005

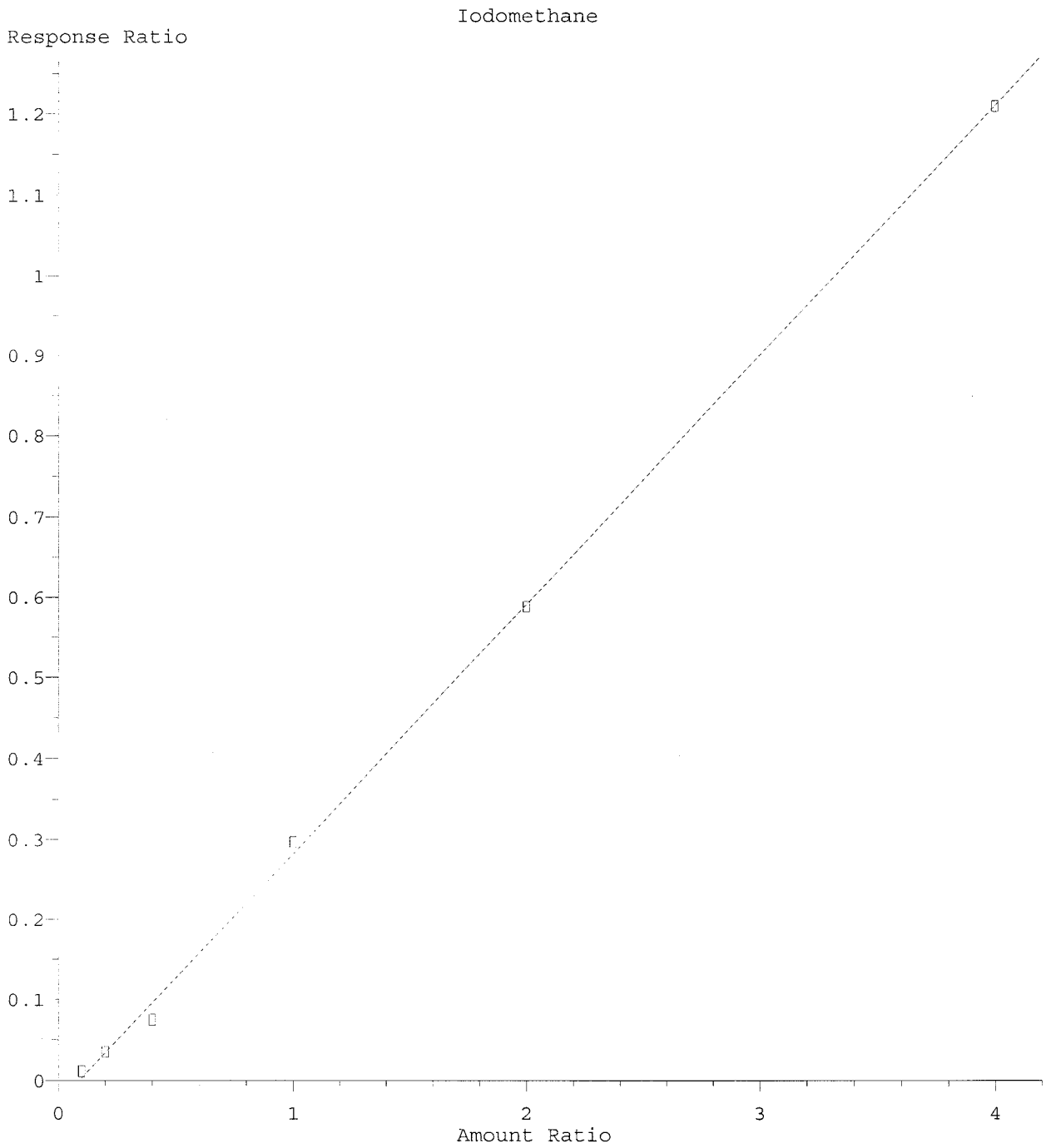
Approved: October 18, 2005	Supervisor: October 18, 2005
Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak	
Crystal Stevens	



Method Name: C:\MSDCHEM\1\METHODS\8260BSL.M
Calibration Table Last Updated: Mon Oct 17 17:36:58 2005

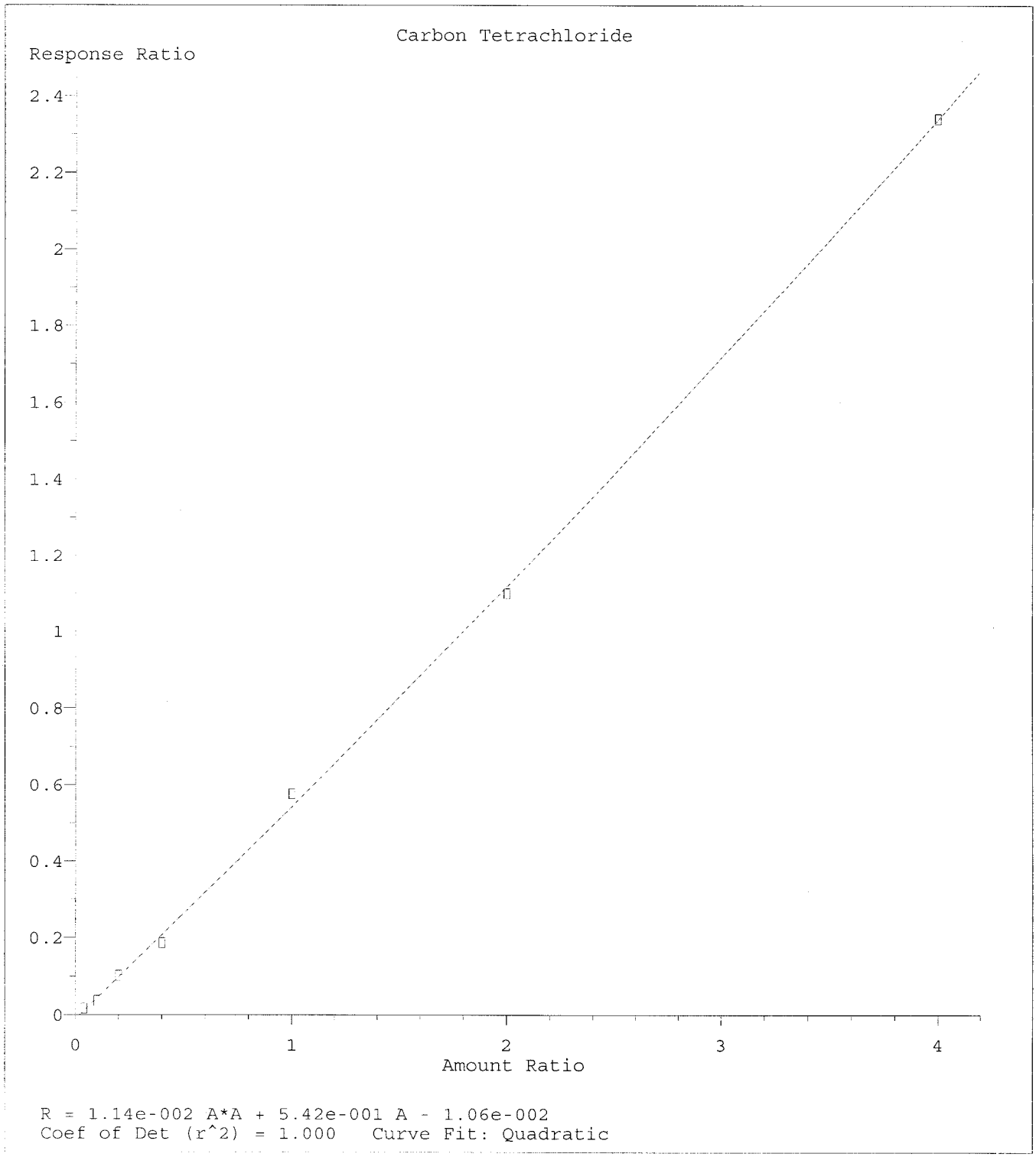


Method Name: C:\MSDCHEM\1\METHODS\8260BSL.M
Calibration Table Last Updated: Mon Oct 17 17:36:58 2005

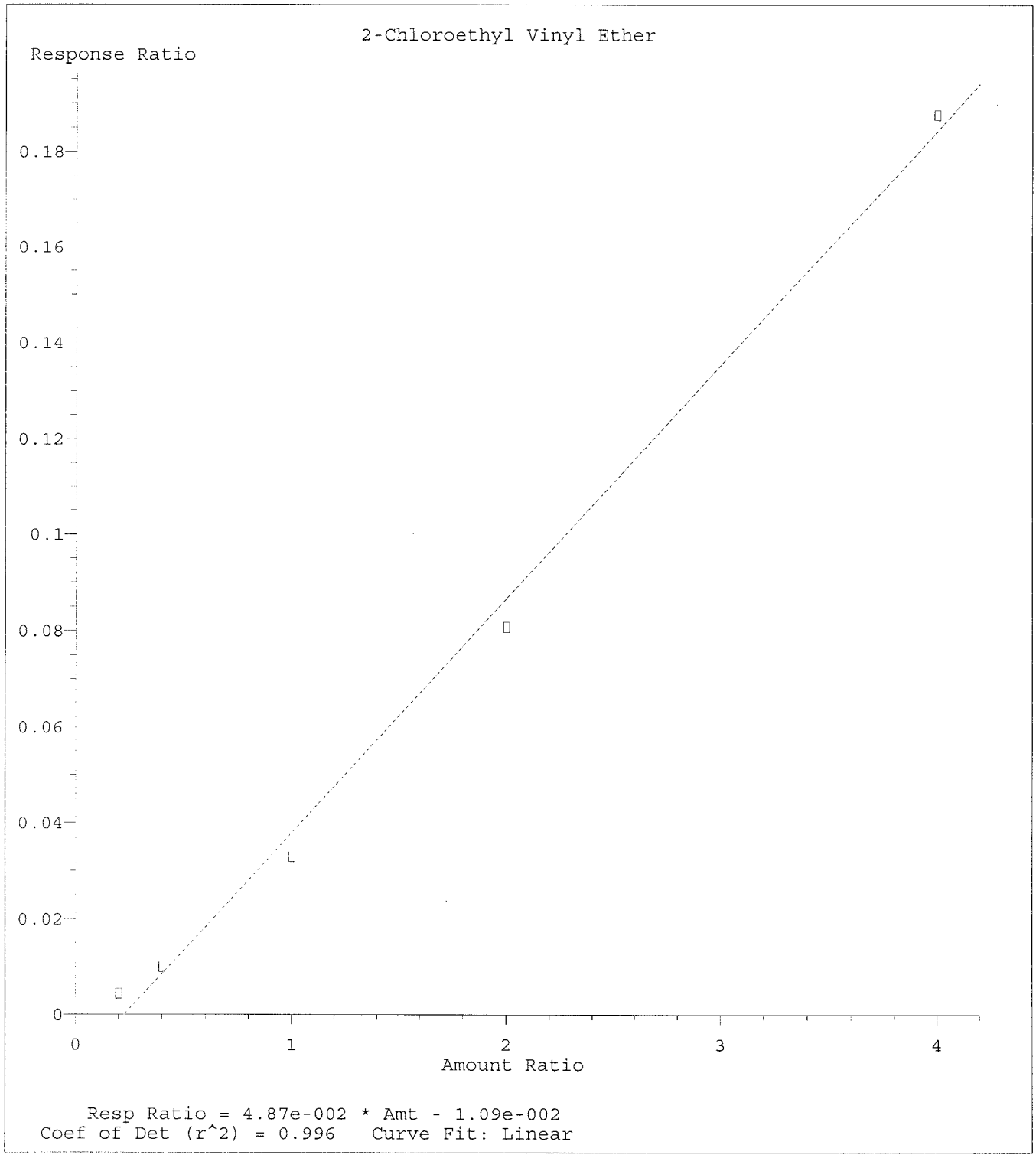


Resp Ratio = 3.10e-001 * Amt - 2.79e-002
Coef of Det (r^2) = 0.999 Curve Fit: Linear

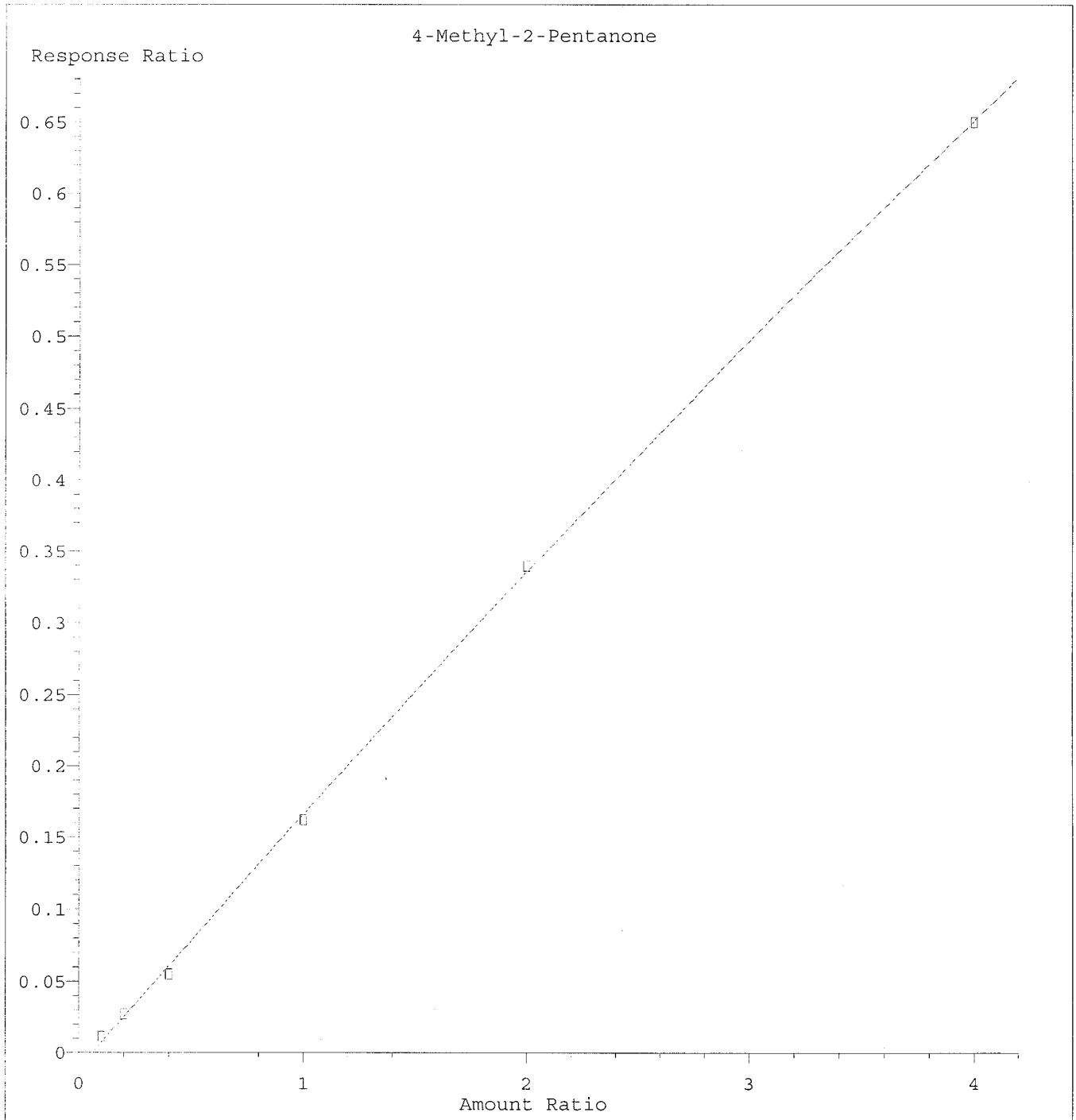
Method Name: C:\MSDCHEM\1\METHODS\8260BSL.M
Calibration Table Last Updated: Mon Oct 17 17:36:58 2005



Method Name: C:\MSDCHEM\1\METHODS\8260BSL.M
Calibration Table Last Updated: Mon Oct 17 17:36:58 2005

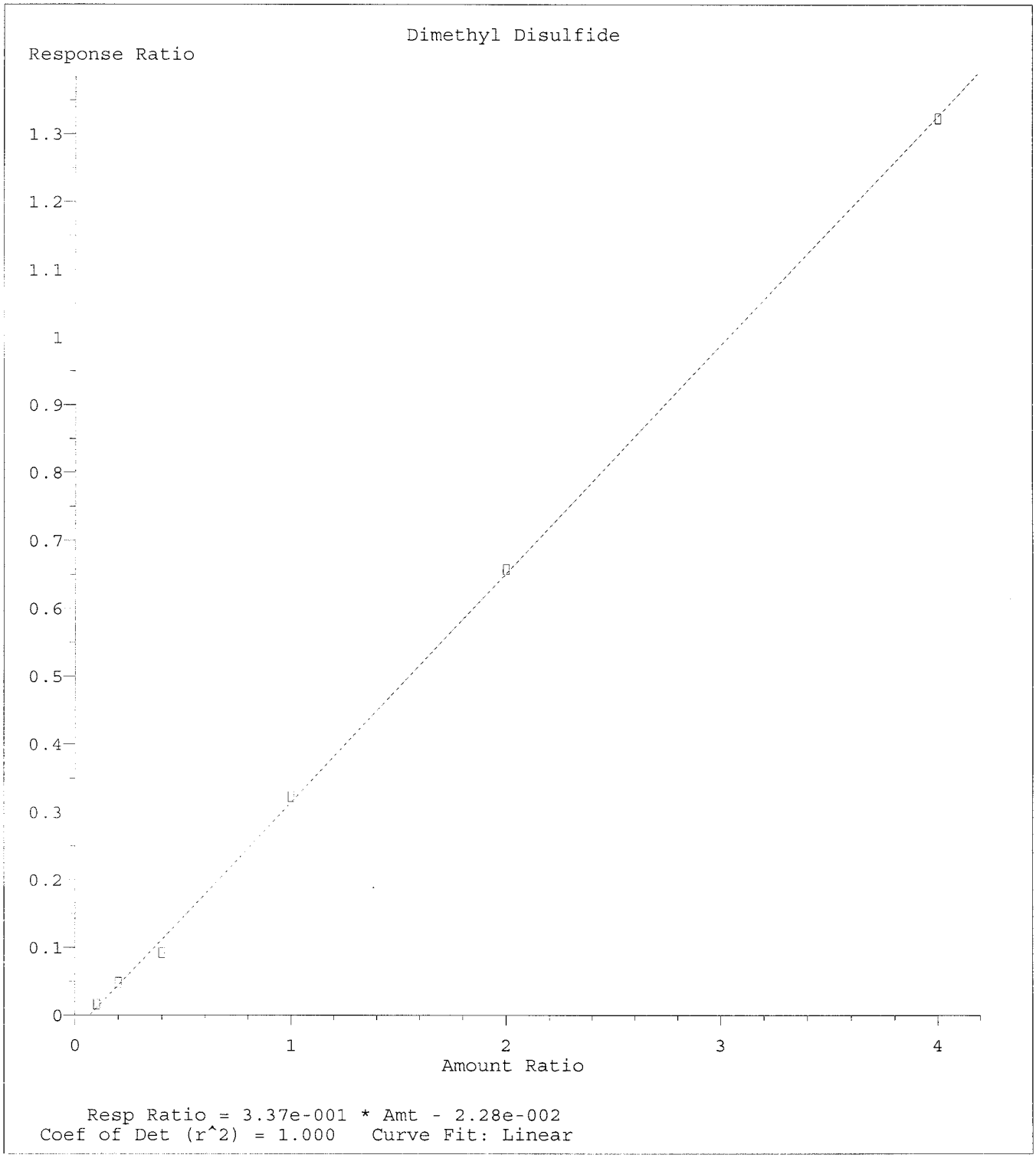


Method Name: C:\MSDCHEM\1\METHODS\8260BSL.M
Calibration Table Last Updated: Mon Oct 17 17:36:58 2005

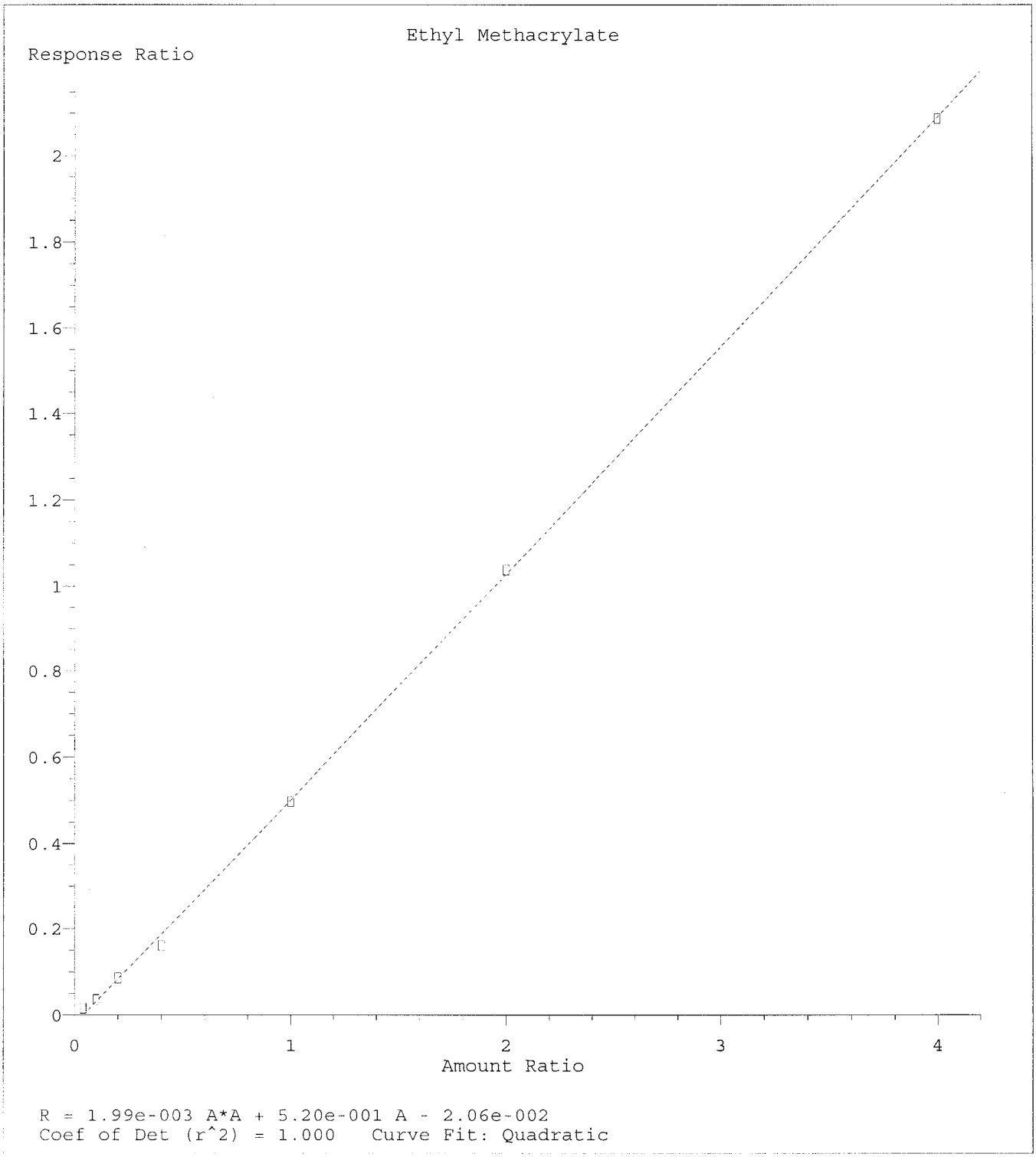


R = -3.87e-003 A*A + 1.81e-001 A - 1.10e-002
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic

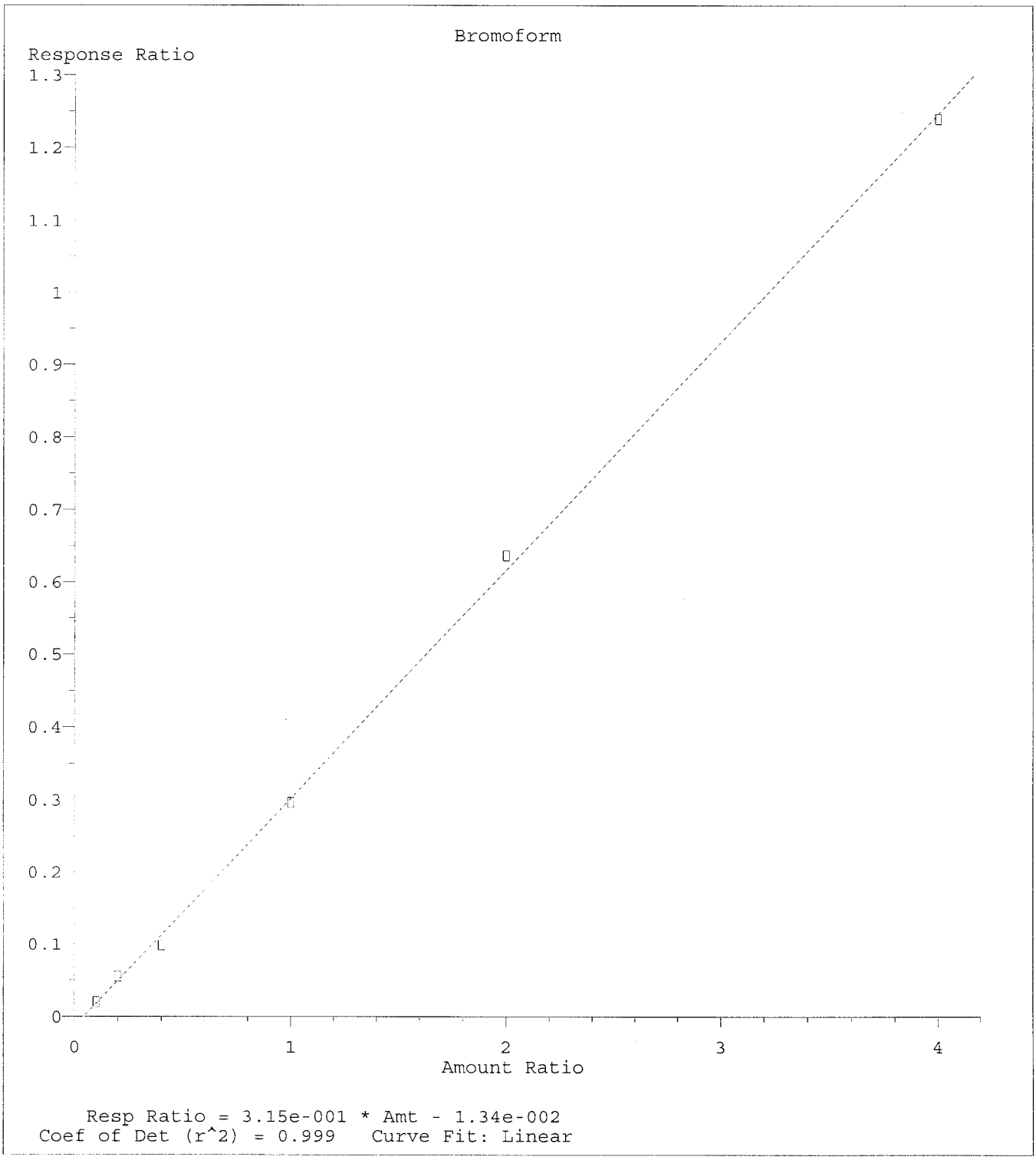
Method Name: C:\MSDCHEM\1\METHODS\8260BSL.M
Calibration Table Last Updated: Mon Oct 17 18:14:48 2005



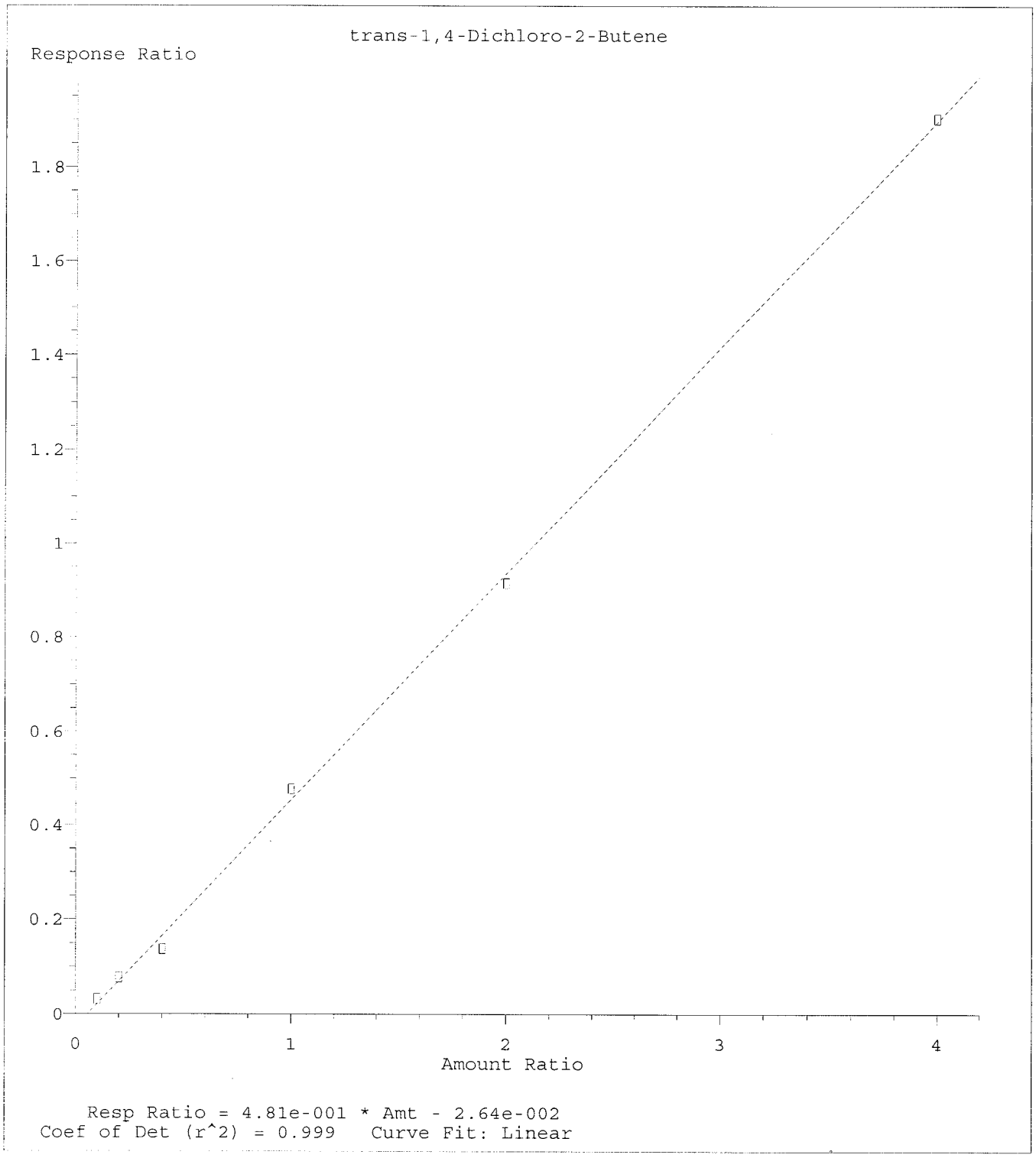
Method Name: C:\MSDCHEM\1\METHODS\8260BSL.M
Calibration Table Last Updated: Mon Oct 17 18:14:48 2005



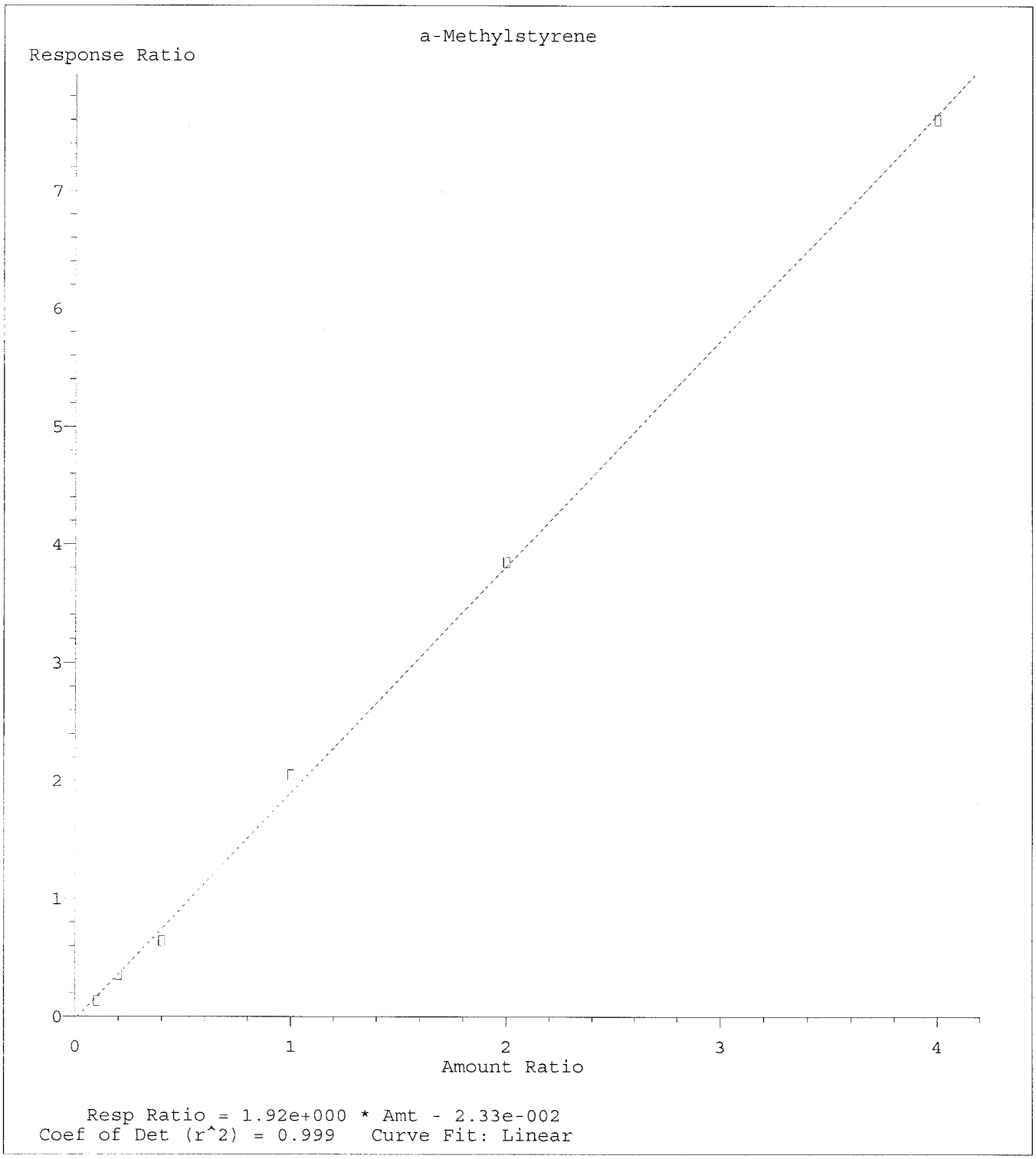
Method Name: C:\MSDCHEM\1\METHODS\8260BSL.M
Calibration Table Last Updated: Mon Oct 17 18:14:48 2005



Method Name: C:\MSDCHEM\1\METHODS\8260BSL.M
Calibration Table Last Updated: Mon Oct 17 18:14:48 2005



Method Name: C:\MSDCHEM\1\METHODS\8260BSL.M
Calibration Table Last Updated: Mon Oct 17 18:14:48 2005



Method Name: C:\MSDCHEM\1\METHODS\8260BSL.M
Calibration Table Last Updated: Mon Oct 17 18:14:48 2005

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101705\11M29673.D Vial: 18
Acq On : 17 Oct 2005 15:16 Operator: CMS
Sample : WG198725-11 20ug/Kg ALT SOURCE STD 8260 Inst : HPMS11
Misc : 7,1 SV14829 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:35:54 2005 Quant Results File: 8260BSL.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Initial Calibration
DataAcq Meth : 8260BSL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	10.555	96	785572	50.0000 ug/Kg	0.000
46) Chlorobenzene-d5	14.193	117	623817	50.0000 ug/Kg	0.000
66) 1,4-Dichlorobenzene-d4	17.003	152	331930	50.0000 ug/Kg	0.000

System Monitoring Compounds					
29) Dibromofluoromethane	9.569	111	271475	50.5073937 ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.01%		
34) 1,2-Dichloroethane-d4	10.171	65	361188	50.2685417 ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.54%		
47) Toluene-d8	12.416	98	911994	51.3652937 ug/Kg	0.00
Spiked Amount 50.000	Range 81 - 117		Recovery = 102.73%		
68) p-Bromofluorobenzene	15.586	95	370051	50.6431044 ug/Kg	0.00
Spiked Amount 50.000	Range 74 - 121		Recovery = 101.29%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.13	85	163561	18.9707 ug/Kg	93
3) Chloromethane	3.62	50	162221	17.8669 ug/Kg	98
4) Vinyl Chloride	3.83	62	110713	17.2392 ug/Kg	98
5) Bromomethane	4.76	94	70547	20.2029 ug/Kg	98
6) Chloroethane	4.92	64	105664	22.4868 ug/Kg	98
7) Trichlorofluoromethane	5.41	101	238090	21.7589 ug/Kg	100
10) 1,1,2-Trichloro-1,2,2-Trif	6.17	101	129162	21.1187 ug/Kg	89
11) Acetone	6.28	43	53575	20.0986 ug/Kg	91
12) 1,1-Dichloroethene	6.48	96	112075	22.0060 ug/Kg	72
14) Iodomethane	7.00	142	83979	21.7645 ug/Kg	99
15) Methyl acetate	7.01	43	119578	21.7152 ug/Kg#	50
16) Methylene Chloride	7.25	84	122567	21.7839 ug/Kg	62
17) Carbon Disulfide	7.29	76	365947	20.5311 ug/Kg	97
18) Acrylonitrile	7.43	53	1416	0.5450 ug/Kg#	37
19) Methyl Tert Butyl Ether	7.46	73	318989	22.1937 ug/Kg	93
20) trans-1,2-Dichloroethene	7.69	96	119731	21.8233 ug/Kg	73
21) n-Hexane	7.76	57	179402	16.9204 ug/Kg	94
22) Vinyl Acetate	8.25	43	190442	14.1197 ug/Kg	94
23) 1,1-Dichloroethane	8.29	63	261358	22.0349 ug/Kg	99
24) 2-Butanone	8.82	43	55413	17.0145 ug/Kg	86
25) 2,2-Dichloropropane	9.03	77	200152	22.5143 ug/Kg	95
26) cis-1,2-Dichloroethene	9.09	96	124016	22.0958 ug/Kg	54
27) Chloroform	9.30	83	220876	21.9780 ug/Kg	98
28) Bromochloromethane	9.51	130	77646	22.3858 ug/Kg	97
30) 1,1,1-Trichloroethane	9.79	97	209002	23.1799 ug/Kg	91
31) Cyclohexane	9.82	56	265655	22.7356 ug/Kg	85
32) 1,1-Dichloropropene	9.98	75	179828	23.0488 ug/Kg	92
33) Carbon Tetrachloride	10.12	117	178312	21.7270 ug/Kg	98
35) 1,2-Dichloroethane	10.29	62	203894	21.5832 ug/Kg	94
36) Benzene	10.32	78	474524	22.2836 ug/Kg	99
37) Trichloroethene	11.04	130	129747	21.8984 ug/Kg	90
38) Methylcyclohexane	11.11	83	208853	22.7950 ug/Kg	78
39) 1,2-Dichloropropane	11.24	63	133135	21.6932 ug/Kg	96
40) Bromodichloromethane	11.52	83	153133	21.9179 ug/Kg	96
41) Dibromomethane	11.60	93	66089	21.6021 ug/Kg#	81
42) 2-Chloroethyl Vinyl Ether	11.78	63	8069	21.7335 ug/Kg	85
43) 4-Methyl-2-Pentanone	11.82	58	45183	19.0870 ug/Kg	95
44) cis-1,3-Dichloropropene	12.11	75	186269	22.3944 ug/Kg	94
45) Dimethyl Disulfide	12.42	79	146	3.4074 ug/Kg#	1
48) Toluene	12.51	91	487700	21.9793 ug/Kg	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101705\11M29673.D Vial: 18
Acq On : 17 Oct 2005 15:16 Operator: CMS
Sample : WG198725-11 20ug/Kg ALT SOURCE STD 8260 Inst : HPMS11
Misc : 7,1 SV14829 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:35:54 2005 Quant Results File: 8260BSL.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Initial Calibration
DataAcq Meth : 8260BSL

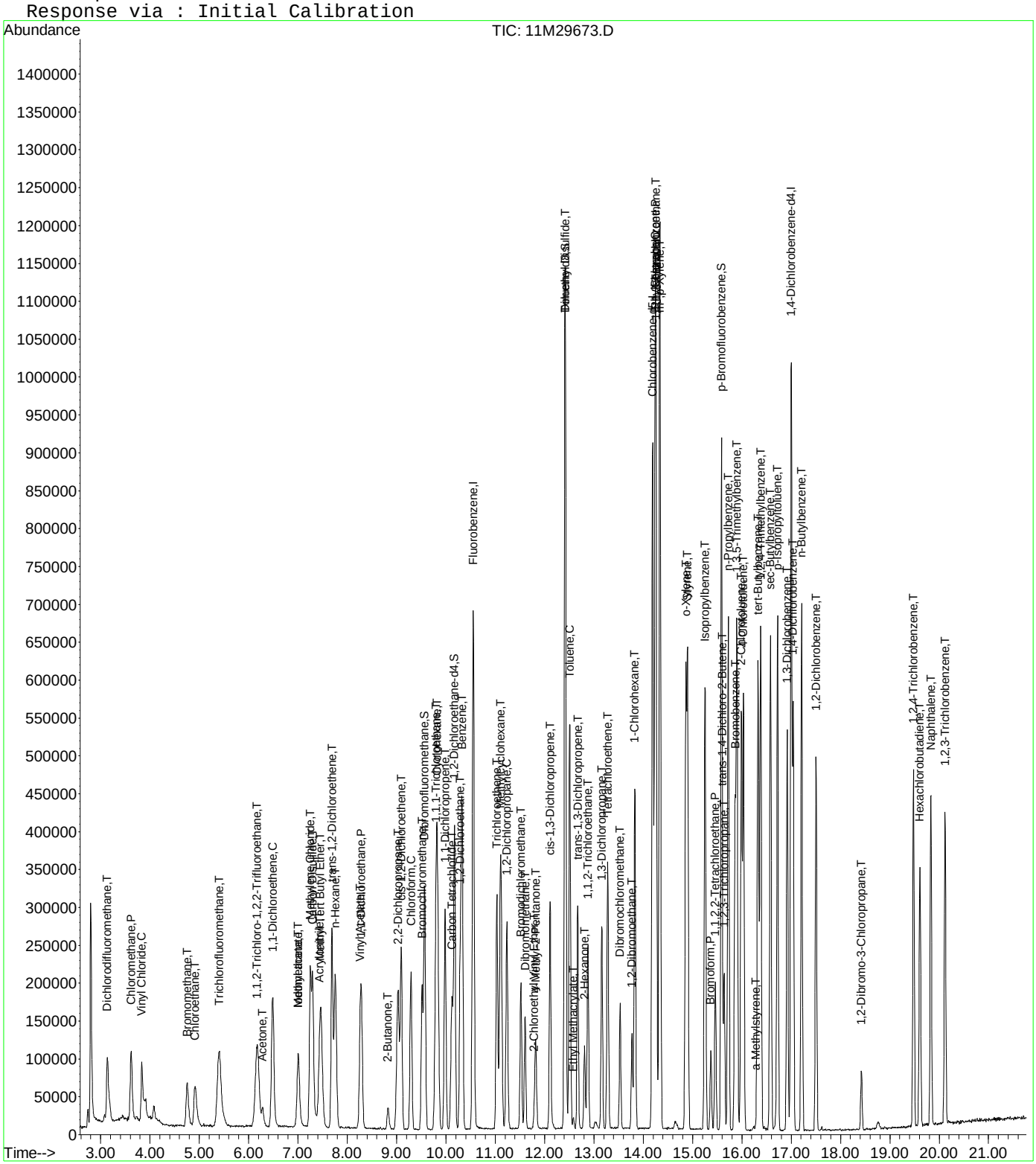
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
49)	Ethyl Methacrylate	12.59	69	8774	3.3375 ug/Kg	99
50)	trans-1,3-Dichloropropene	12.67	75	174723	22.1067 ug/Kg	98
51)	1,1,2-Trichloroethane	12.88	97	90951	21.1889 ug/Kg	99
52)	2-Hexanone	12.81	43	98285	24.0007 ug/Kg	92
53)	1,3-Dichloropropane	13.16	76	167295	21.3457 ug/Kg	77
54)	Tetrachloroethene	13.28	164	107542	22.0057 ug/Kg	92
55)	Dibromochloromethane	13.53	129	108841	21.5719 ug/Kg	98
56)	1,2-Dibromoethane	13.77	107	103412	21.6083 ug/Kg	99
57)	1-Chlorohexane	13.83	91	161725	22.3612 ug/Kg	70
58)	Chlorobenzene	14.24	112	333936	21.5272 ug/Kg	99
59)	1,1,1,2-Tetrachloroethane	14.27	131	111002	22.2884 ug/Kg	98
60)	Ethylbenzene	14.25	106	193591	22.7263 ug/Kg	79
61)	m-,p-Xylene	14.34	106	465230	46.3329 ug/Kg	82
62)	o-Xylene	14.86	91	443512	22.5446 ug/Kg	89
63)	Styrene	14.90	104	366740	22.6101 ug/Kg	91
64)	Bromoform	15.37	173	65416	18.7652 ug/Kg	98
65)	Isopropylbenzene	15.25	105	544995	21.6547 ug/Kg	100
67)	1,1,2,2-Tetrachloroethane	15.46	83	124179	20.1630 ug/Kg	99
69)	1,2,3-Trichloropropane	15.64	110	41837	21.5401 ug/Kg#	42
70)	trans-1,4-Dichloro-2-Buten	15.61	53	110	2.7785 ug/Kg#	1
71)	n-Propylbenzene	15.73	91	669230	22.3935 ug/Kg	89
72)	Bromobenzene	15.87	156	140470	22.6802 ug/Kg	62
73)	1,3,5-Trimethylbenzene	15.90	105	494208	23.1374 ug/Kg	99
74)	2-Chlorotoluene	15.99	91	418642	23.2086 ug/Kg	89
75)	4-Chlorotoluene	16.03	91	375942	21.3030 ug/Kg	91
76)	a-Methylstyrene	16.28	118	1639	0.7355 ug/Kg#	23
77)	tert-Butylbenzene	16.33	134	102606	22.5029 ug/Kg#	60
78)	1,2,4-Trimethylbenzene	16.38	105	496130	22.4950 ug/Kg	97
79)	sec-Butylbenzene	16.58	105	647879	22.6865 ug/Kg	97
80)	p-Isopropyltoluene	16.72	119	525106	22.1345 ug/Kg	100
81)	1,3-Dichlorobenzene	16.92	146	273322	21.7217 ug/Kg	94
82)	1,4-Dichlorobenzene	17.04	146	277460	21.7372 ug/Kg	96
83)	n-Butylbenzene	17.21	91	493285	22.8012 ug/Kg	90
84)	1,2-Dichlorobenzene	17.50	146	255270	21.6099 ug/Kg	91
85)	1,2-Dibromo-3-Chloropropan	18.42	75	25459	20.1010 ug/Kg	91
86)	1,2,4-Trichlorobenzene	19.48	180	176100	21.5189 ug/Kg	96
87)	Hexachlorobutadiene	19.61	225	83106	22.1714 ug/Kg	94
88)	Naphthalene	19.83	128	440795	21.2092 ug/Kg	100
89)	1,2,3-Trichlorobenzene	20.12	180	165337	21.3617 ug/Kg	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101705\11M29673.D Vial: 18
Acq On : 17 Oct 2005 15:16 Operator: CMS
Sample : WG198725-11 20ug/Kg ALT SOURCE STD 8260 Inst : HPMS11
Misc : 7,1 SV14829 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:35 2005 Quant Results File: 8260BSL.RES

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\101705\11M29673.D Vial: 18
Acq On : 17 Oct 2005 15:16 Operator: CMS
Sample : WG198725-11 20ug/Kg ALT SOURCE STD 8260 Inst : HPMS11
Misc : 7,1 SV14829 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	122	0.00
2	T	Dichlorodifluoromethane	0.549	0.521	5.1	118	0.00
3	P	Chloromethane	0.578	0.516	10.7	118	-0.01
4	C	Vinyl Chloride	0.409	0.352	13.9	110	0.00
5	T	Bromomethane	0.216	0.225	-4.2	146	0.00
6	T	Chloroethane	0.299	0.336	-12.4	154#	0.00
7	T	Trichlorofluoromethane	0.696	0.758	-8.9	138	0.00
8	T	Isoprene	0.482	0.001	99.8#	0#	0.00
9	T	Acrolein	0.028	0.000	100.0#	0#	-6.16#
10	T	1,1,2-Trichloro-1,2,2-Trifl	0.389	0.411	-5.7	140	0.00
11	T	Acetone	0.170	0.170	0.0	141	-0.01
12	C	1,1-Dichloroethene	0.324	0.357	-10.2	143	0.00
13	T	Dimethyl Sulfide	0.458	0.000	100.0#	0#	-6.75#
14	T	Iodomethane	0.228	0.267	-17.1	175#	0.01
15	T	Methyl acetate	0.350	0.381	-8.9	160#	0.00
16	T	Methylene Chloride	0.358	0.390	-8.9	150	0.00
17	T	Carbon Disulfide	1.134	1.165	-2.7	141	0.00
18	T	Acrylonitrile	0.165	0.005	97.0#	4#	0.00
19	T	Methyl Tert Butyl Ether	0.915	1.015	-10.9	155#	0.00
20	T	trans-1,2-Dichloroethene	0.349	0.381	-9.2	139	0.00
21	T	n-Hexane	0.675	0.571	15.4	107	0.00
22	T	Vinyl Acetate	0.858	0.606	29.4#	97	0.00
23	P	1,1-Dichloroethane	0.755	0.832	-10.2	146	0.00
24	T	2-Butanone	0.207	0.176	15.0	112	-0.01
25	T	2,2-Dichloropropane	0.566	0.637	-12.5	148	0.00
26	T	cis-1,2-Dichloroethene	0.357	0.395	-10.6	142	0.00
27	C	Chloroform	0.640	0.703	-9.8	146	0.00
28	T	Bromochloromethane	0.221	0.247	-11.8	146	0.00
29	S	Dibromofluoromethane	0.342	0.864	-152.6#	304#	0.00
30	T	1,1,1-Trichloroethane	0.574	0.665	-15.9	146	0.00
31	T	Cyclohexane	0.744	0.845	-13.6	152#	-0.01
32	T	1,1-Dichloropropene	0.497	0.572	-15.1	148	0.00
33	T	Carbon Tetrachloride	0.498	0.567	-13.9	149	0.00
34	S	1,2-Dichloroethane-d4	0.457	1.149	-151.4#	319#	0.00
35	T	1,2-Dichloroethane	0.601	0.649	-8.0	141	0.00
36	T	Benzene	1.355	1.510	-11.4	145	0.00
37	T	Trichloroethene	0.377	0.413	-9.5	141	0.00
38	T	Methylcyclohexane	0.583	0.665	-14.1	147	0.00
39	C	1,2-Dichloropropane	0.391	0.424	-8.4	144	0.00
40	T	Bromodichloromethane	0.445	0.487	-9.4	145	0.00
41	T	Dibromomethane	0.195	0.210	-7.7	143	0.00
42	T	2-Chloroethyl Vinyl Ether	0.033	0.026	21.2	126	0.00
43	T	4-Methyl-2-Pentanone	0.147	0.144	2.0	128	-0.01
44	T	cis-1,3-Dichloropropene	0.529	0.593	-12.1	147	0.00
45	T	Dimethyl Disulfide	0.269	0.000	100.0#	0#	0.05
46	I	Chlorobenzene-d5	1.000	1.000	0.0	121	0.00
47	S	Toluene-d8	1.423	3.655	-156.9#	314#	0.00
48	C	Toluene	1.778	1.954	-9.9	145	0.00
49	T	Ethyl Methacrylate	0.445	0.035	92.1#	11#	0.00
50	T	trans-1,3-Dichloropropene	0.633	0.700	-10.6	143	0.00
51	T	1,1,2-Trichloroethane	0.344	0.364	-5.8	138	0.00
52	T	2-Hexanone	0.328	0.394	-20.1	160#	0.00
53	T	1,3-Dichloropropane	0.628	0.670	-6.7	142	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\101705\11M29673.D Vial: 18
Acq On : 17 Oct 2005 15:16 Operator: CMS
Sample : WG198725-11 20ug/Kg ALT SOURCE STD 8260 Inst : HPMS11
Misc : 7,1 SV14829 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
54	T	Tetrachloroethene	0.392	0.431	-9.9	143	0.00
55	T	Dibromochloromethane	0.404	0.436	-7.9	141	0.00
56	T	1,2-Dibromoethane	0.384	0.414	-7.8	139	0.00
57	T	1-Chlorohexane	0.580	0.648	-11.7	146	0.00
58	P	Chlorobenzene	1.243	1.338	-7.6	140	0.00
59	T	1,1,1,2-Tetrachloroethane	0.399	0.445	-11.5	142	0.00
60	C	Ethylbenzene	0.683	0.776	-13.6	145	0.00
61	T	m-,p-Xylene	0.805	0.932	-15.8	146	0.00
62	T	o-Xylene	1.577	1.777	-12.7	145	0.00
63	T	Styrene	1.300	1.470	-13.1	146	0.00
64	P	Bromoform	0.274	0.262	4.4	130	0.00
65	T	Isopropylbenzene	2.017	2.184	-8.3	139	0.00
66	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	119	0.00
67	P	1,1,2,2-Tetrachloroethane	0.928	0.935	-0.8	133	0.00
68	S	p-Bromofluorobenzene	1.101	2.787	-153.1#	315#	0.00
69	T	1,2,3-Trichloropropane	0.293	0.315	-7.5	136	0.00
70	T	trans-1,4-Dichloro-2-Butene	0.411	0.001	99.8#	0#	-0.06
71	T	n-Propylbenzene	4.502	5.040	-12.0	140	0.00
72	T	Bromobenzene	0.933	1.058	-13.4	142	0.00
73	T	1,3,5-Trimethylbenzene	3.217	3.722	-15.7	146	0.00
74	T	2-Chlorotoluene	2.717	3.153	-16.0	144	0.00
75	T	4-Chlorotoluene	2.658	2.831	-6.5	139	0.00
76	T	a-Methylstyrene	1.761	0.012	99.3#	1#	0.00
77	T	tert-Butylbenzene	0.687	0.773	-12.5	139	0.00
78	T	1,2,4-Trimethylbenzene	3.322	3.737	-12.5	144	0.00
79	T	sec-Butylbenzene	4.302	4.880	-13.4	142	0.00
80	T	p-Isopropyltoluene	3.574	3.955	-10.7	140	0.00
81	T	1,3-Dichlorobenzene	1.895	2.059	-8.7	139	0.00
82	T	1,4-Dichlorobenzene	1.923	2.090	-8.7	140	0.00
83	T	n-Butylbenzene	3.259	3.715	-14.0	143	0.00
84	T	1,2-Dichlorobenzene	1.779	1.923	-8.1	138	0.00
85	T	1,2-Dibromo-3-Chloropropane	0.191	0.192	-0.5	135	0.00
86	T	1,2,4-Trichlorobenzene	1.233	1.326	-7.5	140	0.00
87	T	Hexachlorobutadiene	0.565	0.626	-10.8	140	0.00
88	T	Naphthalene	3.131	3.320	-6.0	133	0.00
89	T	1,2,3-Trichlorobenzene	1.166	1.245	-6.8	136	0.00

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\101705\11M29673.D Vial: 18
Acq On : 17 Oct 2005 15:16 Operator: CMS
Sample : WG198725-11 20ug/Kg ALT SOURCE STD 8260 Inst : HPMS11
Misc : 7,1 SV14829 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	50.000	50.000	0.0	122	0.00
2	T	Dichlorodifluoromethane	20.000	18.971	5.1	118	0.00
3	P	Chloromethane	20.000	17.867	10.7	118	-0.01
4	C	Vinyl Chloride	20.000	17.239	13.8	110	0.00
5	T	Bromomethane	20.000	20.203	-1.0	146	0.00
6	T	Chloroethane	20.000	22.487	-12.4	154	0.00
7	T	Trichlorofluoromethane	20.000	21.759	-8.8	138	0.00
8	T	Isoprene	20.000	0.022	99.9#	0	0.00
9	T	Acrolein	40.000	0.000	100.0#	0	-6.16#
10	T	1,1,2-Trichloro-1,2,2-Trifl	20.000	21.119	-5.6	140	0.00
11	T	Acetone	20.000	20.099	-0.5	141	-0.01
12	C	1,1-Dichloroethene	20.000	22.006	-10.0	143	0.00
13	T	Dimethyl Sulfide	20.000	0.000	100.0#	0	-6.75#
14	T	Iodomethane	20.000	21.764	-8.8	175	0.01
15	T	Methyl acetate	20.000	21.715	-8.6	160	0.00
16	T	Methylene Chloride	20.000	21.784	-8.9	150	0.00
17	T	Carbon Disulfide	20.000	20.531	-2.7	141	0.00
18	T	Acrylonitrile	20.000	0.545	97.3#	4	0.00
19	T	Methyl Tert Butyl Ether	20.000	22.194	-11.0	155	0.00
20	T	trans-1,2-Dichloroethene	20.000	21.823	-9.1	139	0.00
21	T	n-Hexane	20.000	16.920	15.4	107	0.00
22	T	Vinyl Acetate	20.000	14.120	29.4#	97	0.00
23	P	1,1-Dichloroethane	20.000	22.035	-10.2	146	0.00
24	T	2-Butanone	20.000	17.014	14.9	112	-0.01
25	T	2,2-Dichloropropane	20.000	22.514	-12.6	148	0.00
26	T	cis-1,2-Dichloroethene	20.000	22.096	-10.5	142	0.00
27	C	Chloroform	20.000	21.978	-9.9	146	0.00
28	T	Bromochloromethane	20.000	22.386	-11.9	146	0.00
29	S	Dibromofluoromethane	20.000	50.507	-152.5#	304	0.00
30	T	1,1,1-Trichloroethane	20.000	23.180	-15.9	146	0.00
31	T	Cyclohexane	20.000	22.736	-13.7	152	-0.01
32	T	1,1-Dichloropropene	20.000	23.049	-15.2	148	0.00
33	T	Carbon Tetrachloride	20.000	21.727	-8.6	149	0.00
34	S	1,2-Dichloroethane-d4	20.000	50.269	-151.3#	319	0.00
35	T	1,2-Dichloroethane	20.000	21.583	-7.9	141	0.00
36	T	Benzene	20.000	22.284	-11.4	145	0.00
37	T	Trichloroethene	20.000	21.898	-9.5	141	0.00
38	T	Methylcyclohexane	20.000	22.795	-14.0	147	0.00
39	C	1,2-Dichloropropane	20.000	21.693	-8.5	144	0.00
40	T	Bromodichloromethane	20.000	21.918	-9.6	145	0.00
41	T	Dibromomethane	20.000	21.602	-8.0	143	0.00
42	T	2-Chloroethyl Vinyl Ether	20.000	21.733	-8.7	126	0.00
43	T	4-Methyl-2-Pentanone	20.000	19.087	4.6	128	-0.01
44	T	cis-1,3-Dichloropropene	20.000	22.394	-12.0	147	0.00
45	T	Dimethyl Disulfide	20.000	3.407	83.0#	0	0.05
46	I	Chlorobenzene-d5	50.000	50.000	0.0	121	0.00
47	S	Toluene-d8	20.000	51.365	-156.8#	314	0.00
48	C	Toluene	20.000	21.979	-9.9	145	0.00
49	T	Ethyl Methacrylate	20.000	3.338	83.3#	11	0.00
50	T	trans-1,3-Dichloropropene	20.000	22.107	-10.5	143	0.00
51	T	1,1,2-Trichloroethane	20.000	21.189	-5.9	138	0.00
52	T	2-Hexanone	20.000	24.001	-20.0	160	0.00
53	T	1,3-Dichloropropane	20.000	21.346	-6.7	142	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\101705\11M29673.D Vial: 18
Acq On : 17 Oct 2005 15:16 Operator: CMS
Sample : WG198725-11 20ug/Kg ALT SOURCE STD 8260 Inst : HPMS11
Misc : 7,1 SV14829 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
54	T	Tetrachloroethene	20.000	22.006	-10.0	143	0.00
55	T	Dibromochloromethane	20.000	21.572	-7.9	141	0.00
56	T	1,2-Dibromoethane	20.000	21.608	-8.0	139	0.00
57	T	1-Chlorohexane	20.000	22.361	-11.8	146	0.00
58	P	Chlorobenzene	20.000	21.527	-7.6	140	0.00
59	T	1,1,1,2-Tetrachloroethane	20.000	22.288	-11.4	142	0.00
60	C	Ethylbenzene	20.000	22.726	-13.6	145	0.00
61	T	m-,p-Xylene	40.000	46.333	-15.8	146	0.00
62	T	o-Xylene	20.000	22.545	-12.7	145	0.00
63	T	Styrene	20.000	22.610	-13.0	146	0.00
64	P	Bromoform	20.000	18.765	6.2	130	0.00
65	T	Isopropylbenzene	20.000	21.655	-8.3	139	0.00
66	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	119	0.00
67	P	1,1,2,2-Tetrachloroethane	20.000	20.163	-0.8	133	0.00
68	S	p-Bromofluorobenzene	20.000	50.643	-153.2#	315	0.00
69	T	1,2,3-Trichloropropane	20.000	21.540	-7.7	136	0.00
70	T	trans-1,4-Dichloro-2-Butene	20.000	2.779	86.1#	0	-0.06
71	T	n-Propylbenzene	20.000	22.394	-12.0	140	0.00
72	T	Bromobenzene	20.000	22.680	-13.4	142	0.00
73	T	1,3,5-Trimethylbenzene	20.000	23.137	-15.7	146	0.00
74	T	2-Chlorotoluene	20.000	23.209	-16.0	144	0.00
75	T	4-Chlorotoluene	20.000	21.303	-6.5	139	0.00
76	T	a-Methylstyrene	20.000	0.736	96.3#	1	0.00
77	T	tert-Butylbenzene	20.000	22.503	-12.5	139	0.00
78	T	1,2,4-Trimethylbenzene	20.000	22.495	-12.5	144	0.00
79	T	sec-Butylbenzene	20.000	22.686	-13.4	142	0.00
80	T	p-Isopropyltoluene	20.000	22.134	-10.7	140	0.00
81	T	1,3-Dichlorobenzene	20.000	21.722	-8.6	139	0.00
82	T	1,4-Dichlorobenzene	20.000	21.737	-8.7	140	0.00
83	T	n-Butylbenzene	20.000	22.801	-14.0	143	0.00
84	T	1,2-Dichlorobenzene	20.000	21.610	-8.0	138	0.00
85	T	1,2-Dibromo-3-Chloropropane	20.000	20.101	-0.5	135	0.00
86	T	1,2,4-Trichlorobenzene	20.000	21.519	-7.6	140	0.00
87	T	Hexachlorobutadiene	20.000	22.171	-10.9	140	0.00
88	T	Naphthalene	20.000	21.209	-6.0	133	0.00
89	T	1,2,3-Trichlorobenzene	20.000	21.362	-6.8	136	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\data\101405\8M323070.D Vial: 2
Acq On : 14 Oct 2005 7:59 Operator: CMS
Sample : WG198626-02 50ug/L STD 8260 Inst : HPMS8
Misc : 1,1 SV14833 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 08:21:56 2005 Quant Results File: 8260BWT.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Initial Calibration
DataAcq Meth : 8260BWT

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	11.39	96	990631	25.00 ug/L	0.00
44) Chlorobenzene-d5	15.27	117	757374	25.00 ug/L	0.00
64) 1,4-Dichlorobenzene-d4	18.30	152	427377	25.00 ug/L	0.00
System Monitoring Compounds					
28) Dibromofluoromethane	10.35	111	213353	26.2592 ug/L	0.00
Spiked Amount 25.000	Range 86 - 118		Recovery = 105.04%		
33) 1,2-Dichloroethane-d4	10.99	65	239044	27.6982 ug/L	0.00
Spiked Amount 25.000	Range 80 - 120		Recovery = 110.80%		
45) Toluene-d8	13.38	98	787367	26.8390 ug/L	0.00
Spiked Amount 25.000	Range 88 - 110		Recovery = 107.36%		
66) p-Bromofluorobenzene	16.77	95	324332	27.0509 ug/L	0.00
Spiked Amount 25.000	Range 86 - 115		Recovery = 108.20%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.64	85	657406	53.5039 ug/L	94
3) Chloromethane	4.16	50	426675	52.2645 ug/L	100
4) Vinyl Chloride	4.42	62	308175	59.1641 ug/L	100
5) Bromomethane	5.38	94	226989	39.8323 ug/L	99
6) Chloroethane	5.54	64	315233	54.1257 ug/L	95
7) Trichlorofluoromethane	6.06	101	881351	54.9585 ug/L	99
8) Isoprene	6.63	67	541019	72.6429 ug/L	86
9) Acrolein	6.82	56	32961	101.8544 ug/L	98
10) 1,1,2-Trichloro-1,2,2-Trif	6.85	101	468010	53.2500 ug/L	93
11) Acetone	6.92	43	78272	62.6275 ug/L	89
12) 1,1-Dichloroethene	7.17	61	570328	46.1702 ug/L	89
13) Dimethyl Sulfide	7.43	62	508080	64.6124 ug/L	85
14) Iodomethane	7.69	142	386002	48.2334 ug/L	91
15) Methylene Chloride	7.94	84	347780	46.1674 ug/L	81
16) Carbon Disulfide	8.01	76	1320770	61.0432 ug/L	100
17) Acrylonitrile	8.11	53	97283	60.5385 ug/L	97
18) Methyl Tert Butyl Ether	8.16	73	844806	58.7753 ug/L	97
19) trans-1,2-Dichloroethene	8.40	61	585627	49.6263 ug/L	90
20) n-Hexane	8.48	57	596839	62.7339 ug/L	96
21) Vinyl Acetate	8.97	43	535873	46.0955 ug/L	97
22) 1,1-Dichloroethane	9.01	63	738270	51.9496 ug/L	99
23) 2-Butanone	9.55	43	100982	62.1909 ug/L	95
24) 2,2-Dichloropropane	9.79	77	641911	51.1606 ug/L	99
25) cis-1,2-Dichloroethene	9.85	61	689986	56.1906 ug/L	89
26) Chloroform	10.06	83	779409	54.4242 ug/L	99
27) Bromochloromethane	10.29	130	216903	50.7316 ug/L	87
29) 1,1,1-Trichloroethane	10.60	97	707120	51.0106 ug/L	92
30) Cyclohexane	10.65	56	792052	61.1993 ug/L	94
31) 1,1-Dichloropropene	10.80	75	549222	51.7372 ug/L	95
32) Carbon Tetrachloride	10.95	117	648587	52.4012 ug/L	99
34) 1,2-Dichloroethane	11.11	62	592668	55.8585 ug/L	97
35) Benzene	11.16	78	1493939	52.1618 ug/L	97
36) Trichloroethene	11.91	130	405963	51.0600 ug/L	96
37) 1,2-Dichloropropane	12.11	63	407859	55.7365 ug/L	94
38) Bromodichloromethane	12.42	83	569309	58.1944 ug/L	100
39) Dibromomethane	12.50	93	195891	55.9539 ug/L	85
40) 2-Chloroethyl Vinyl Ether	12.69	63	178218	51.4190 ug/L	97
41) 4-Methyl-2-Pentanone	12.72	58	89740	60.3615 ug/L	96
42) cis-1,3-Dichloropropene	13.04	75	653063	52.0877 ug/L	97
43) Dimethyl Disulfide	13.32	94	703213	55.8983 ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\data\101405\8M323070.D Vial: 2
Acq On : 14 Oct 2005 7:59 Operator: CMS
Sample : WG198626-02 50ug/L STD 8260 Inst : HPMS8
Misc : 1,1 SV14833 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 08:21:56 2005 Quant Results File: 8260BWT.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Initial Calibration
DataAcq Meth : 8260BWT

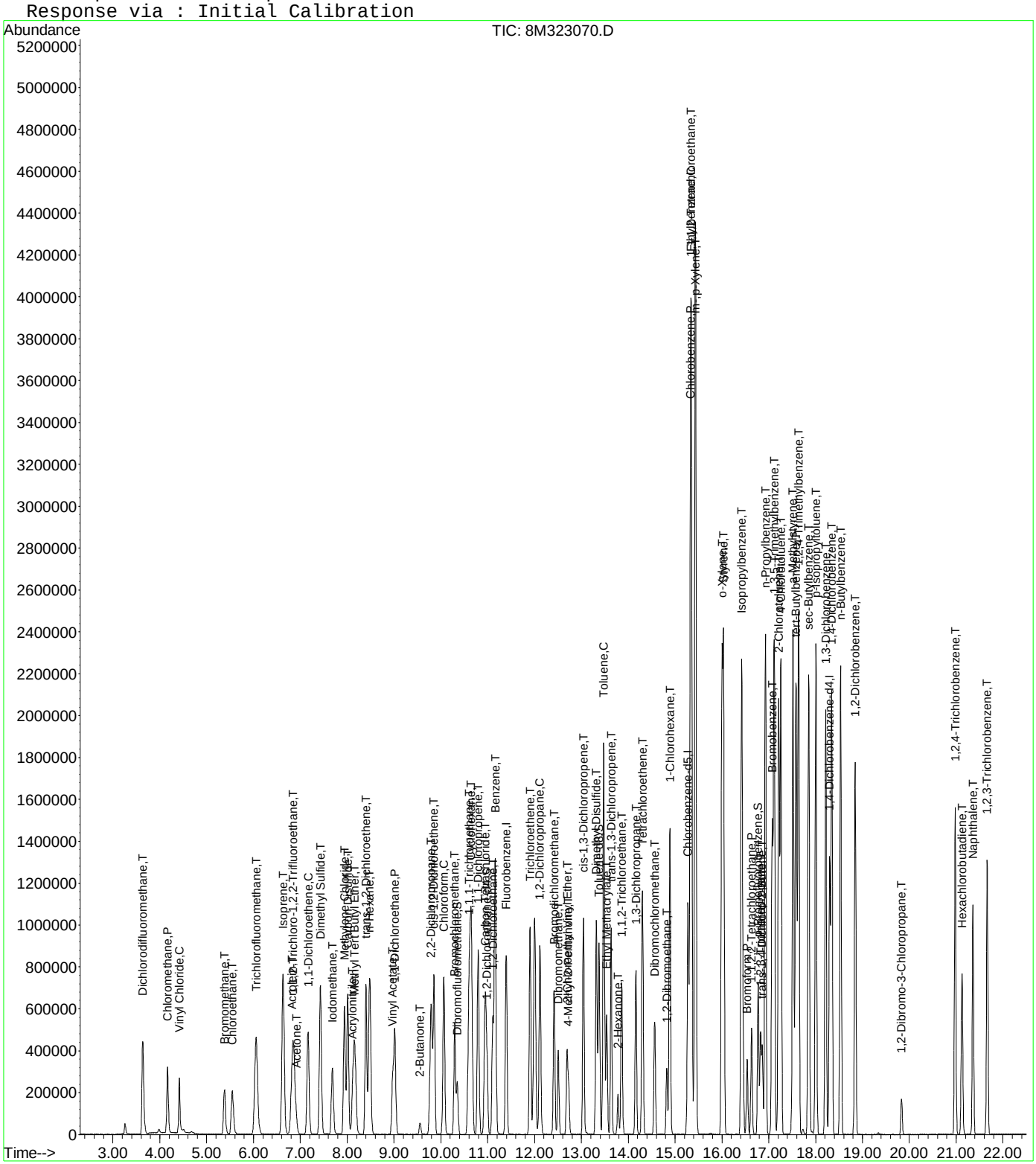
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46)	Toluene	13.47	91	1758354	53.8499 ug/L		99
47)	Ethyl Methacrylate	13.54	69	346734	56.5997 ug/L		99
48)	trans-1,3-Dichloropropene	13.63	75	604565	59.5776 ug/L		96
49)	1,1,2-Trichloroethane	13.86	97	287336	55.7393 ug/L		99
50)	2-Hexanone	13.78	43	169381	64.8784 ug/L	#	95
51)	1,3-Dichloropropane	14.16	76	509762	56.8305 ug/L		84
52)	Tetrachloroethene	14.30	164	333089	51.3691 ug/L		86
53)	Dibromochloromethane	14.56	129	367640	51.7837 ug/L		100
54)	1,2-Dibromoethane	14.82	107	272850	56.6016 ug/L		100
55)	1-Chlorohexane	14.89	91	560168	49.4382 ug/L		80
56)	Chlorobenzene	15.32	112	1198056	55.2564 ug/L		92
57)	1,1,1,2-Tetrachloroethane	15.35	131	435578	59.3612 ug/L		99
58)	Ethylbenzene	15.34	106	653491	56.9913 ug/L		97
59)	m-,p-Xylene	15.43	106	1641825	105.1547 ug/L		96
60)	o-Xylene	16.00	106	804957	58.8885 ug/L		95
61)	Styrene	16.04	104	1385988	52.4577 ug/L		93
62)	Bromoform	16.54	173	218546	54.0389 ug/L		100
63)	Isopropylbenzene	16.42	105	2058813	52.3169 ug/L		97
65)	1,1,2,2-Tetrachloroethane	16.63	83	327629	59.9688 ug/L		100
67)	1,2,3-Trichloropropane	16.83	110	102815	59.4283 ug/L	#	1
68)	trans-1,4-Dichloro-2-Buten	16.86	53	125478	57.6753 ug/L	#	1
69)	n-Propylbenzene	16.93	91	2594336	58.7550 ug/L		99
70)	Bromobenzene	17.07	156	482701	56.4493 ug/L	#	40
71)	1,3,5-Trimethylbenzene	17.11	105	1825809	52.4687 ug/L		96
72)	2-Chlorotoluene	17.21	91	1590800	54.9676 ug/L		97
73)	4-Chlorotoluene	17.26	91	1581906	53.5770 ug/L		97
74)	a-Methylstyrene	17.51	118	991563	52.4453 ug/L		95
75)	tert-Butylbenzene	17.58	134	361004	57.3038 ug/L		67
76)	1,2,4-Trimethylbenzene	17.64	105	1948301	57.4578 ug/L		97
77)	sec-Butylbenzene	17.85	105	2163192	57.8523 ug/L		98
78)	p-Isopropyltoluene	18.01	119	1846879	52.5381 ug/L		98
79)	1,3-Dichlorobenzene	18.21	146	1037965	57.2264 ug/L		94
80)	1,4-Dichlorobenzene	18.34	146	1045547	54.6430 ug/L		93
81)	n-Butylbenzene	18.53	91	1684780	57.9086 ug/L		97
82)	1,2-Dichlorobenzene	18.84	146	917080	57.4989 ug/L		93
83)	1,2-Dibromo-3-Chloropropan	19.83	75	59082	57.6217 ug/L		95
84)	1,2,4-Trichlorobenzene	20.98	180	577563	54.4720 ug/L		98
85)	Hexachlorobutadiene	21.12	225	194848	48.8317 ug/L		90
86)	Naphthalene	21.36	128	1074017	55.6411 ug/L		99
87)	1,2,3-Trichlorobenzene	21.66	180	487615	53.4606 ug/L		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\data\101405\8M323070.D Vial: 2
Acq On : 14 Oct 2005 7:59 Operator: CMS
Sample : WG198626-02 50ug/L STD 8260 Inst : HPMS8
Misc : 1,1 SV14833 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 8:21 2005 Quant Results File: 8260BWT.RES

Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\101405\8M323070.D Vial: 2
Acq On : 14 Oct 2005 7:59 Operator: CMS
Sample : WG198626-02 50ug/L STD 8260 Inst : HPMS8
Misc : 1,1 SV14833 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	97	0.00
2	T	Dichlorodifluoromethane	0.310	0.332	-7.1	103	0.00
3	P	Chloromethane	0.206	0.215	-4.4	110	0.00
4	C	Vinyl Chloride	0.144	0.156	-8.3	112	0.00
5	T	Bromomethane	0.144	0.115	20.1	80	0.00
6	T	Chloroethane	0.147	0.159	-8.2	103	0.00
7	T	Trichlorofluoromethane	0.405	0.445	-9.9	104	0.00
8	T	Isoprene	0.188	0.273	-45.2#	131	0.00
9	T	Acrolein	0.008	0.008	0.0	102	0.00
10	T	1,1,2-Trichloro-1,2,2-Trifl	0.222	0.236	-6.3	101	0.00
11	T	Acetone	0.032	0.040	-25.0	138	0.00
12	C	1,1-Dichloroethene	0.312	0.288	7.7	83	0.00
13	T	Dimethyl Sulfide	0.198	0.256	-29.3#	116	0.00
14	T	Iodomethane	0.202	0.195	3.5	83	0.00
15	T	Methylene Chloride	0.190	0.176	7.4	88	0.00
16	T	Carbon Disulfide	0.546	0.667	-22.2	114	0.00
17	T	Acrylonitrile	0.041	0.049	-19.5	112	0.00
18	T	Methyl Tert Butyl Ether	0.363	0.426	-17.4	105	0.00
19	T	trans-1,2-Dichloroethene	0.298	0.296	0.7	90	0.00
20	T	n-Hexane	0.240	0.301	-25.4#	112	0.00
21	T	Vinyl Acetate	0.293	0.270	7.8	82	0.00
22	P	1,1-Dichloroethane	0.359	0.373	-3.9	92	0.00
23	T	2-Butanone	0.041	0.051	-24.4	114	0.00
24	T	2,2-Dichloropropane	0.317	0.324	-2.2	91	0.00
25	T	cis-1,2-Dichloroethene	0.310	0.348	-12.3	109	0.00
26	C	Chloroform	0.361	0.393	-8.9	98	0.00
27	T	Bromochloromethane	0.108	0.109	-0.9	93	0.00
28	S	Dibromofluoromethane	0.205	0.215	-4.9	98	0.00
29	T	1,1,1-Trichloroethane	0.350	0.357	-2.0	92	0.00
30	T	Cyclohexane	0.327	0.400	-22.3	107	0.00
31	T	1,1-Dichloropropene	0.268	0.277	-3.4	92	0.00
32	T	Carbon Tetrachloride	0.312	0.327	-4.8	94	0.00
33	S	1,2-Dichloroethane-d4	0.218	0.241	-10.6	105	0.00
34	T	1,2-Dichloroethane	0.268	0.299	-11.6	104	0.00
35	T	Benzene	0.723	0.754	-4.3	93	0.00
36	T	Trichloroethene	0.201	0.205	-2.0	94	0.00
37	C	1,2-Dichloropropane	0.185	0.206	-11.4	101	0.00
38	T	Bromodichloromethane	0.247	0.287	-16.2	102	0.00
39	T	Dibromomethane	0.088	0.099	-12.5	101	0.00
40	T	2-Chloroethyl Vinyl Ether	0.077	0.090	-16.9	103	0.00
41	T	4-Methyl-2-Pentanone	0.038	0.045	-18.4	111	0.00
42	T	cis-1,3-Dichloropropene	0.269	0.330	-22.7	102	0.00
43	T	Dimethyl Disulfide	0.317	0.355	-12.0	101	0.00
44	I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
45	S	Toluene-d8	0.968	1.040	-7.4	102	0.00
46	C	Toluene	1.078	1.161	-7.7	99	0.00
47	T	Ethyl Methacrylate	0.202	0.229	-13.4	101	0.00
48	T	trans-1,3-Dichloropropene	0.335	0.399	-19.1	107	0.00
49	T	1,1,2-Trichloroethane	0.170	0.190	-11.8	105	0.00
50	T	2-Hexanone	0.086	0.112	-30.2#	118	0.00
51	T	1,3-Dichloropropane	0.296	0.337	-13.9	106	0.00
52	T	Tetrachloroethene	0.214	0.220	-2.8	94	0.00
53	T	Dibromochloromethane	0.201	0.243	-20.9	105	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\101405\8M323070.D Vial: 2
Acq On : 14 Oct 2005 7:59 Operator: CMS
Sample : WG198626-02 50ug/L STD 8260 Inst : HPMS8
Misc : 1,1 SV14833 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
54	T	1,2-Dibromoethane	0.159	0.180	-13.2	103	0.00
55	T	1-Chlorohexane	0.327	0.370	-13.1	99	0.00
56	P	Chlorobenzene	0.716	0.791	-10.5	105	0.00
57	T	1,1,1,2-Tetrachloroethane	0.242	0.288	-19.0	107	0.00
58	C	Ethylbenzene	0.378	0.431	-14.0	104	0.00
59	T	m-,p-Xylene	0.456	0.542	-18.9	103	0.00
60	T	o-Xylene	0.451	0.531	-17.7	103	0.00
61	T	Styrene	0.757	0.915	-20.9	104	0.00
62	P	Bromoform	0.114	0.144	-26.3#	110	0.00
63	T	Isopropylbenzene	1.135	1.359	-19.7	104	0.00
64	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
65	P	1,1,2,2-Tetrachloroethane	0.320	0.383	-19.7	114	0.00
66	S	p-Bromofluorobenzene	0.701	0.759	-8.3	102	0.00
67	T	1,2,3-Trichloropropane	0.101	0.120	-18.8	113	0.00
68	T	trans-1,4-Dichloro-2-Butene	0.127	0.147	-15.7	108	0.00
69	T	n-Propylbenzene	2.583	3.035	-17.5	105	0.00
70	T	Bromobenzene	0.500	0.565	-13.0	104	0.00
71	T	1,3,5-Trimethylbenzene	1.826	2.136	-17.0	104	0.00
72	T	2-Chlorotoluene	1.693	1.861	-9.9	105	0.00
73	T	4-Chlorotoluene	1.727	1.851	-7.2	97	0.00
74	T	a-Methylstyrene	1.106	1.160	-4.9	98	0.00
75	T	tert-Butylbenzene	0.369	0.422	-14.4	103	0.00
76	T	1,2,4-Trimethylbenzene	1.984	2.279	-14.9	106	0.00
77	T	sec-Butylbenzene	2.187	2.531	-15.7	104	0.00
78	T	p-Isopropyltoluene	1.833	2.161	-17.9	104	0.00
79	T	1,3-Dichlorobenzene	1.061	1.214	-14.4	105	0.00
80	T	1,4-Dichlorobenzene	1.119	1.223	-9.3	105	0.00
81	T	n-Butylbenzene	1.702	1.971	-15.8	104	0.00
82	T	1,2-Dichlorobenzene	0.933	1.073	-15.0	105	0.00
83	T	1,2-Dibromo-3-Chloropropane	0.055	0.069	-25.5#	118	0.00
84	T	1,2,4-Trichlorobenzene	0.620	0.676	-9.0	99	0.00
85	T	Hexachlorobutadiene	0.212	0.228	-7.5	97	0.00
86	T	Naphthalene	1.129	1.257	-11.3	101	0.00
87	T	1,2,3-Trichlorobenzene	0.534	0.570	-6.7	98	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
8M323070.D 8260BWT.M Fri Oct 14 08:22:17 2005 Page 2

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\101405\8M323070.D Vial: 2
Acq On : 14 Oct 2005 7:59 Operator: CMS
Sample : WG198626-02 50ug/L STD 8260 Inst : HPMS8
Misc : 1,1 SV14833 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	25.000	25.000	0.0	97	0.00
2	T	Dichlorodifluoromethane	50.000	53.504	-7.0	103	0.00
3	P	Chloromethane	50.000	52.264	-4.5	110	0.00
4	C	Vinyl Chloride	50.000	59.164	-18.3	112	0.00
5	T	Bromomethane	50.000	39.832	20.3	80	0.00
6	T	Chloroethane	50.000	54.126	-8.3	103	0.00
7	T	Trichlorofluoromethane	50.000	54.958	-9.9	104	0.00
8	T	Isoprene	50.000	72.643	-45.3#	131	0.00
9	T	Acrolein	100.000	101.854	-1.9	102	0.00
10	T	1,1,2-Trichloro-1,2,2-Trifl	50.000	53.250	-6.5	101	0.00
11	T	Acetone	50.000	62.627	-25.3#	138	0.00
12	C	1,1-Dichloroethene	50.000	46.170	7.7	83	0.00
13	T	Dimethyl Sulfide	50.000	64.612	-29.2#	116	0.00
14	T	Iodomethane	50.000	48.233	3.5	83	0.00
15	T	Methylene Chloride	50.000	46.167	7.7	88	0.00
16	T	Carbon Disulfide	50.000	61.043	-22.1	114	0.00
17	T	Acrylonitrile	50.000	60.538	-21.1	112	0.00
18	T	Methyl Tert Butyl Ether	50.000	58.775	-17.5	105	0.00
19	T	trans-1,2-Dichloroethene	50.000	49.626	0.7	90	0.00
20	T	n-Hexane	50.000	62.734	-25.5#	112	0.00
21	T	Vinyl Acetate	50.000	46.095	7.8	82	0.00
22	P	1,1-Dichloroethane	50.000	51.950	-3.9	92	0.00
23	T	2-Butanone	50.000	62.191	-24.4	114	0.00
24	T	2,2-Dichloropropane	50.000	51.161	-2.3	91	0.00
25	T	cis-1,2-Dichloroethene	50.000	56.191	-12.4	109	0.00
26	C	Chloroform	50.000	54.424	-8.8	98	0.00
27	T	Bromochloromethane	50.000	50.732	-1.5	93	0.00
28	S	Dibromofluoromethane	25.000	26.259	-5.0	98	0.00
29	T	1,1,1-Trichloroethane	50.000	51.011	-2.0	92	0.00
30	T	Cyclohexane	50.000	61.199	-22.4	107	0.00
31	T	1,1-Dichloropropene	50.000	51.737	-3.5	92	0.00
32	T	Carbon Tetrachloride	50.000	52.401	-4.8	94	0.00
33	S	1,2-Dichloroethane-d4	25.000	27.698	-10.8	105	0.00
34	T	1,2-Dichloroethane	50.000	55.858	-11.7	104	0.00
35	T	Benzene	50.000	52.162	-4.3	93	0.00
36	T	Trichloroethene	50.000	51.060	-2.1	94	0.00
37	C	1,2-Dichloropropane	50.000	55.736	-11.5	101	0.00
38	T	Bromodichloromethane	50.000	58.194	-16.4	102	0.00
39	T	Dibromomethane	50.000	55.954	-11.9	101	0.00
40	T	2-Chloroethyl Vinyl Ether	50.000	51.419	-2.8	103	0.00
41	T	4-Methyl-2-Pentanone	50.000	60.362	-20.7	111	0.00
42	T	cis-1,3-Dichloropropene	50.000	52.088	-4.2	102	0.00
43	T	Dimethyl Disulfide	50.000	55.898	-11.8	101	0.00
44	I	Chlorobenzene-d5	25.000	25.000	0.0	98	0.00
45	S	Toluene-d8	25.000	26.839	-7.4	102	0.00
46	C	Toluene	50.000	53.850	-7.7	99	0.00
47	T	Ethyl Methacrylate	50.000	56.600	-13.2	101	0.00
48	T	trans-1,3-Dichloropropene	50.000	59.578	-19.2	107	0.00
49	T	1,1,2-Trichloroethane	50.000	55.739	-11.5	105	0.00
50	T	2-Hexanone	50.000	64.878	-29.8#	118	0.00
51	T	1,3-Dichloropropane	50.000	56.830	-13.7	106	0.00
52	T	Tetrachloroethene	50.000	51.369	-2.7	94	0.00
53	T	Dibromochloromethane	50.000	51.784	-3.6	105	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\101405\8M323070.D Vial: 2
Acq On : 14 Oct 2005 7:59 Operator: CMS
Sample : WG198626-02 50ug/L STD 8260 Inst : HPMS8
Misc : 1,1 SV14833 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
54	T	1,2-Dibromoethane	50.000	56.602	-13.2	103	0.00
55	T	1-Chlorohexane	50.000	49.438	1.1	99	0.00
56	P	Chlorobenzene	50.000	55.256	-10.5	105	0.00
57	T	1,1,1,2-Tetrachloroethane	50.000	59.361	-18.7	107	0.00
58	C	Ethylbenzene	50.000	56.991	-14.0	104	0.00
59	T	m-,p-Xylene	100.000	105.155	-5.2	103	0.00
60	T	o-Xylene	50.000	58.889	-17.8	103	0.00
61	T	Styrene	50.000	52.458	-4.9	104	0.00
62	P	Bromoform	50.000	54.039	-8.1	110	0.00
63	T	Isopropylbenzene	50.000	52.317	-4.6	104	0.00
64	I	1,4-Dichlorobenzene-d4	25.000	25.000	0.0	100	0.00
65	P	1,1,2,2-Tetrachloroethane	50.000	59.969	-19.9	114	0.00
66	S	p-Bromofluorobenzene	25.000	27.051	-8.2	102	0.00
67	T	1,2,3-Trichloropropane	50.000	59.428	-18.9	113	0.00
68	T	trans-1,4-Dichloro-2-Butene	50.000	57.675	-15.3	108	0.00
69	T	n-Propylbenzene	50.000	58.755	-17.5	105	0.00
70	T	Bromobenzene	50.000	56.449	-12.9	104	0.00
71	T	1,3,5-Trimethylbenzene	50.000	52.469	-4.9	104	0.00
72	T	2-Chlorotoluene	50.000	54.968	-9.9	105	0.00
73	T	4-Chlorotoluene	50.000	53.577	-7.2	97	0.00
74	T	a-Methylstyrene	50.000	52.445	-4.9	98	0.00
75	T	tert-Butylbenzene	50.000	57.304	-14.6	103	0.00
76	T	1,2,4-Trimethylbenzene	50.000	57.458	-14.9	106	0.00
77	T	sec-Butylbenzene	50.000	57.852	-15.7	104	0.00
78	T	p-Isopropyltoluene	50.000	52.538	-5.1	104	0.00
79	T	1,3-Dichlorobenzene	50.000	57.226	-14.5	105	0.00
80	T	1,4-Dichlorobenzene	50.000	54.643	-9.3	105	0.00
81	T	n-Butylbenzene	50.000	57.909	-15.8	104	0.00
82	T	1,2-Dichlorobenzene	50.000	57.499	-15.0	105	0.00
83	T	1,2-Dibromo-3-Chloropropane	50.000	57.622	-15.2	118	0.00
84	T	1,2,4-Trichlorobenzene	50.000	54.472	-8.9	99	0.00
85	T	Hexachlorobutadiene	50.000	48.832	2.3	97	0.00
86	T	Naphthalene	50.000	55.641	-11.3	101	0.00
87	T	1,2,3-Trichlorobenzene	50.000	53.461	-6.9	98	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
8M323070.D 8260BWT.M Fri Oct 14 08:22:09 2005 Page 2

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101705\11M29677.D Vial: 22
Acq On : 17 Oct 2005 17:04 Operator: CMS
Sample : WG198806-02 50ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:38:45 2005 Quant Results File: 8260BSL.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Initial Calibration
DataAcq Meth : 8260BSL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	10.554	96	815511	50.0000 ug/Kg	0.000
46) Chlorobenzene-d5	14.192	117	637524	50.0000 ug/Kg	0.000
66) 1,4-Dichlorobenzene-d4	17.003	152	344775	50.0000 ug/Kg	0.000

System Monitoring Compounds					
29) Dibromofluoromethane	9.569	111	283527	50.8131024 ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.63%		
34) 1,2-Dichloroethane-d4	10.177	65	376058	50.4166492 ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.83%		
47) Toluene-d8	12.416	98	944378	52.0456363 ug/Kg	0.00
Spiked Amount 50.000	Range 81 - 117		Recovery = 104.09%		
68) p-Bromofluorobenzene	15.586	95	379931	50.0580822 ug/Kg	0.00
Spiked Amount 50.000	Range 74 - 121		Recovery = 100.12%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.14	85	526009	58.7695 ug/Kg	93
3) Chloromethane	3.62	50	447182	47.4442 ug/Kg	98
4) Vinyl Chloride	3.83	62	307441	46.1145 ug/Kg	99
5) Bromomethane	4.75	94	213566	54.9300 ug/Kg	100
6) Chloroethane	4.91	64	289531	59.3542 ug/Kg	99
7) Trichlorofluoromethane	5.40	101	678582	59.7386 ug/Kg	99
8) Isoprene	5.96	67	431670	54.9081 ug/Kg	71
9) Acrolein	6.17	56	60413	107.3233 ug/Kg	91
10) 1,1,2-Trichloro-1,2,2-Trif	6.17	101	366438	57.7150 ug/Kg	86
11) Acetone	6.28	43	159018	57.4654 ug/Kg	92
12) 1,1-Dichloroethene	6.48	96	306489	57.9701 ug/Kg	73
13) Dimethyl Sulfide	6.75	62	428705	57.3802 ug/Kg	78
14) Iodomethane	7.00	142	240774	52.1795 ug/Kg	97
15) Methyl acetate	7.01	43	333768	58.3866 ug/Kg#	55
16) Methylene Chloride	7.25	84	318847	54.5885 ug/Kg	59
17) Carbon Disulfide	7.30	76	1001207	54.1094 ug/Kg	98
18) Acrylonitrile	7.43	53	167707	62.1763 ug/Kg	100
19) Methyl Tert Butyl Ether	7.46	73	842185	56.4440 ug/Kg	93
20) trans-1,2-Dichloroethene	7.69	96	318605	55.9401 ug/Kg	75
21) n-Hexane	7.76	57	644063	58.5151 ug/Kg	94
22) Vinyl Acetate	8.25	43	800515	57.1725 ug/Kg	94
23) 1,1-Dichloroethane	8.29	63	692171	56.2141 ug/Kg	99
24) 2-Butanone	8.83	43	211821	62.6515 ug/Kg	88
25) 2,2-Dichloropropane	9.03	77	520303	56.3783 ug/Kg	96
26) cis-1,2-Dichloroethene	9.09	96	321637	55.2019 ug/Kg	73
27) Chloroform	9.30	83	567715	54.4160 ug/Kg	99
28) Bromochloromethane	9.52	130	197918	54.9662 ug/Kg	96
30) 1,1,1-Trichloroethane	9.79	97	532673	56.9087 ug/Kg	90
31) Cyclohexane	9.83	56	710297	58.5579 ug/Kg	84
32) 1,1-Dichloropropene	9.98	75	464707	57.3755 ug/Kg	94
33) Carbon Tetrachloride	10.12	117	469755	52.9617 ug/Kg	98
35) 1,2-Dichloroethane	10.29	62	537398	54.7979 ug/Kg	94
36) Benzene	10.32	78	1220044	55.1898 ug/Kg	99
37) Trichloroethene	11.04	130	336370	54.6875 ug/Kg	90
38) Methylcyclohexane	11.11	83	544297	57.2256 ug/Kg	77
39) 1,2-Dichloropropane	11.24	63	347430	54.5325 ug/Kg	98
40) Bromodichloromethane	11.52	83	402862	55.5447 ug/Kg	99
41) Dibromomethane	11.61	93	172536	54.3254 ug/Kg#	83
42) 2-Chloroethyl Vinyl Ether	11.79	63	31187	50.4533 ug/Kg	91
43) 4-Methyl-2-Pentanone	11.82	58	159504	58.5526 ug/Kg	92

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101705\11M29677.D Vial: 22
Acq On : 17 Oct 2005 17:04 Operator: CMS
Sample : WG198806-02 50ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:38:45 2005 Quant Results File: 8260BSL.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Initial Calibration
DataAcq Meth : 8260BSL

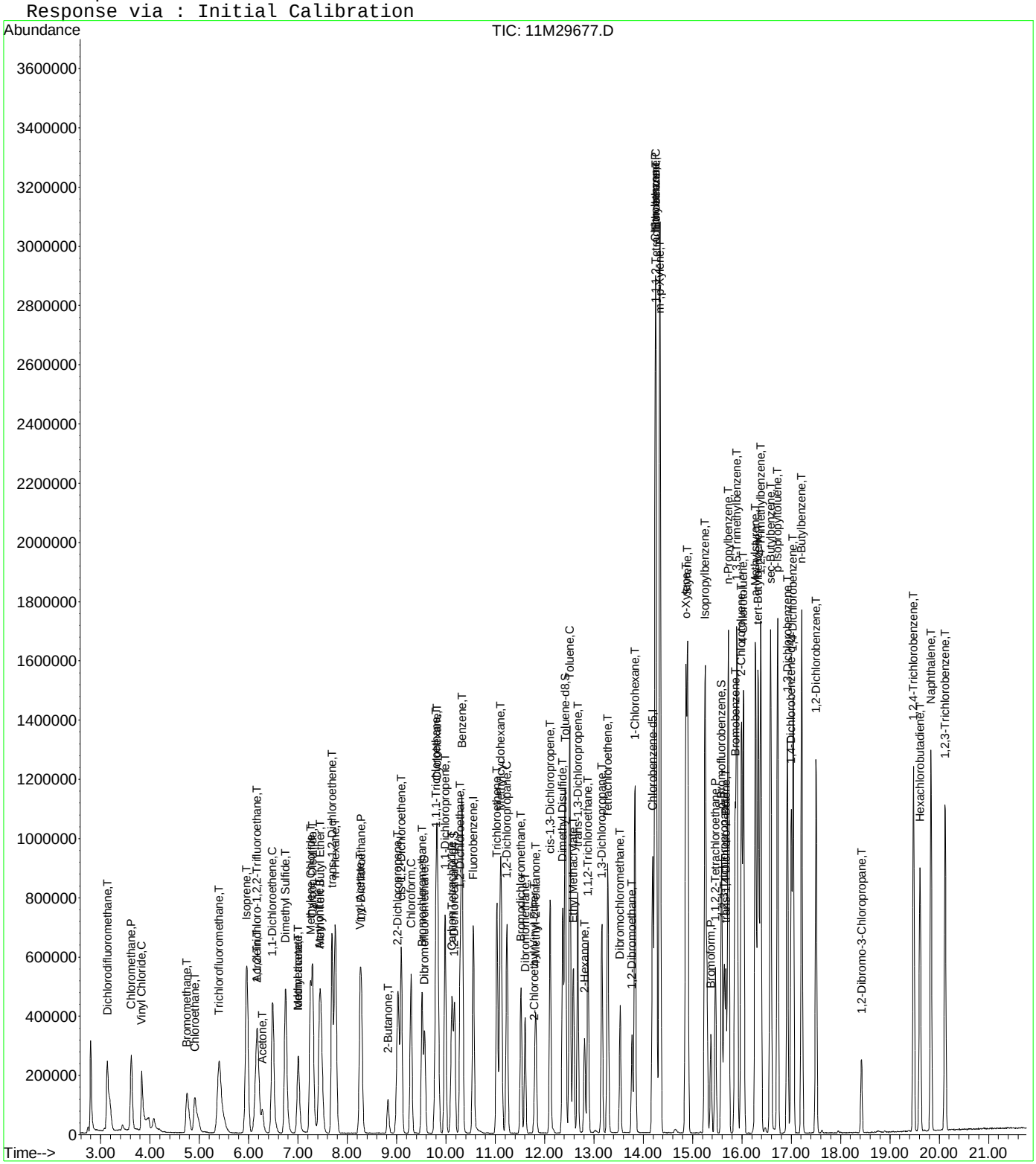
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
44) cis-1,3-Dichloropropene	12.11	75	495506	57.3857 ug/Kg	93
45) Dimethyl Disulfide	12.37	79	255939	49.8941 ug/Kg	94
48) Toluene	12.51	91	1237132	54.5553 ug/Kg	99
49) Ethyl Methacrylate	12.59	69	345847	53.9331 ug/Kg	99
50) trans-1,3-Dichloropropene	12.67	75	474636	58.7618 ug/Kg	96
51) 1,1,2-Trichloroethane	12.88	97	240747	54.8810 ug/Kg	98
52) 2-Hexanone	12.81	43	291670	69.6929 ug/Kg	91
53) 1,3-Dichloropropane	13.16	76	446796	55.7823 ug/Kg	80
54) Tetrachloroethene	13.28	164	279966	56.0562 ug/Kg	91
55) Dibromochloromethane	13.54	129	291503	56.5327 ug/Kg	99
56) 1,2-Dibromoethane	13.77	107	275576	56.3445 ug/Kg	97
57) 1-Chlorohexane	13.83	91	422150	57.1144 ug/Kg	70
58) Chlorobenzene	14.24	112	857527	54.0919 ug/Kg	99
59) 1,1,1,2-Tetrachloroethane	14.27	131	285786	56.1501 ug/Kg	100
60) Ethylbenzene	14.25	106	482573	55.4329 ug/Kg	79
61) m-,p-Xylene	14.34	106	1179979	114.9890 ug/Kg	83
62) o-Xylene	14.87	91	1128728	56.1418 ug/Kg	90
63) Styrene	14.90	104	956537	57.7040 ug/Kg	92
64) Bromoform	15.37	173	200139	51.9372 ug/Kg	96
65) Isopropylbenzene	15.26	105	1459902	56.7601 ug/Kg	100
67) 1,1,2,2-Tetrachloroethane	15.46	83	354747	55.4544 ug/Kg	99
69) 1,2,3-Trichloropropane	15.64	110	119072	59.0213 ug/Kg	75
70) trans-1,4-Dichloro-2-Buten	15.68	53	176389	55.9772 ug/Kg	58
71) n-Propylbenzene	15.73	91	1763119	56.7988 ug/Kg	91
72) Bromobenzene	15.87	156	350326	54.4560 ug/Kg	67
73) 1,3,5-Trimethylbenzene	15.90	105	1265873	57.0567 ug/Kg	100
74) 2-Chlorotoluene	15.99	91	1039887	55.5012 ug/Kg	89
75) 4-Chlorotoluene	16.03	91	1018322	55.5540 ug/Kg	91
76) a-Methylstyrene	16.27	118	686728	52.5535 ug/Kg	100
77) tert-Butylbenzene	16.33	134	269970	57.0021 ug/Kg	74
78) 1,2,4-Trimethylbenzene	16.38	105	1283207	56.0142 ug/Kg	99
79) sec-Butylbenzene	16.58	105	1677400	56.5484 ug/Kg	97
80) p-Isopropyltoluene	16.72	119	1370908	55.6342 ug/Kg	99
81) 1,3-Dichlorobenzene	16.92	146	704713	53.9191 ug/Kg	93
82) 1,4-Dichlorobenzene	17.04	146	717985	54.1539 ug/Kg	93
83) n-Butylbenzene	17.21	91	1273919	56.6908 ug/Kg	90
84) 1,2-Dichlorobenzene	17.50	146	657615	53.5964 ug/Kg	92
85) 1,2-Dibromo-3-Chloropropan	18.43	75	80795	61.4147 ug/Kg	95
86) 1,2,4-Trichlorobenzene	19.48	180	468621	55.1305 ug/Kg	96
87) Hexachlorobutadiene	19.61	225	220973	56.7558 ug/Kg	94
88) Naphthalene	19.83	128	1271964	58.9215 ug/Kg	99
89) 1,2,3-Trichlorobenzene	20.12	180	436544	54.3005 ug/Kg	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101705\11M29677.D Vial: 22
Acq On : 17 Oct 2005 17:04 Operator: CMS
Sample : WG198806-02 50ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:38 2005 Quant Results File: 8260BSL.RES

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\101705\11M29677.D Vial: 22
Acq On : 17 Oct 2005 17:04 Operator: CMS
Sample : WG198806-02 50ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	123	0.00
2	T	Dichlorodifluoromethane	0.549	0.645	-17.5	128	0.00
3	P	Chloromethane	0.578	0.548	5.2	117	-0.01
4	C	Vinyl Chloride	0.409	0.377	7.8	113	0.00
5	T	Bromomethane	0.216	0.262	-21.3	131	0.00
6	T	Chloroethane	0.299	0.355	-18.7	132	-0.01
7	T	Trichlorofluoromethane	0.696	0.832	-19.5	129	0.00
8	T	Isoprene	0.482	0.529	-9.8	121	0.00
9	T	Acrolein	0.028	0.037	-32.1#	143	0.00
10	T	1,1,2-Trichloro-1,2,2-Trifl	0.389	0.449	-15.4	129	0.00
11	T	Acetone	0.170	0.195	-14.7	153#	-0.02
12	C	1,1-Dichloroethene	0.324	0.376	-16.0	126	0.00
13	T	Dimethyl Sulfide	0.458	0.526	-14.8	123	0.00
14	T	Iodomethane	0.228	0.295	-29.4#	123	0.00
15	T	Methyl acetate	0.350	0.409	-16.9	147	0.00
16	T	Methylene Chloride	0.358	0.391	-9.2	127	0.00
17	T	Carbon Disulfide	1.134	1.228	-8.3	119	0.00
18	T	Acrylonitrile	0.165	0.206	-24.8	142	0.00
19	T	Methyl Tert Butyl Ether	0.915	1.033	-12.9	127	0.00
20	T	trans-1,2-Dichloroethene	0.349	0.391	-12.0	126	0.00
21	T	n-Hexane	0.675	0.790	-17.0	121	0.00
22	T	Vinyl Acetate	0.858	0.982	-14.5	134	0.00
23	P	1,1-Dichloroethane	0.755	0.849	-12.5	128	0.00
24	T	2-Butanone	0.207	0.260	-25.6#	150	0.00
25	T	2,2-Dichloropropane	0.566	0.638	-12.7	124	0.00
26	T	cis-1,2-Dichloroethene	0.357	0.394	-10.4	122	0.00
27	C	Chloroform	0.640	0.696	-8.7	124	0.00
28	T	Bromochloromethane	0.221	0.243	-10.0	125	0.00
29	S	Dibromofluoromethane	0.342	0.348	-1.8	112	0.00
30	T	1,1,1-Trichloroethane	0.574	0.653	-13.8	123	0.00
31	T	Cyclohexane	0.744	0.871	-17.1	122	0.00
32	T	1,1-Dichloropropene	0.497	0.570	-14.7	124	0.00
33	T	Carbon Tetrachloride	0.498	0.576	-15.7	123	0.00
34	S	1,2-Dichloroethane-d4	0.457	0.461	-0.9	115	0.00
35	T	1,2-Dichloroethane	0.601	0.659	-9.7	127	0.00
36	T	Benzene	1.355	1.496	-10.4	126	0.00
37	T	Trichloroethene	0.377	0.412	-9.3	121	0.00
38	T	Methylcyclohexane	0.583	0.667	-14.4	118	0.00
39	C	1,2-Dichloropropane	0.391	0.426	-9.0	127	0.00
40	T	Bromodichloromethane	0.445	0.494	-11.0	124	0.00
41	T	Dibromomethane	0.195	0.212	-8.7	125	0.00
42	T	2-Chloroethyl Vinyl Ether	0.033	0.038	-15.2	143	0.01
43	T	4-Methyl-2-Pentanone	0.147	0.196	-33.3#	149	-0.01
44	T	cis-1,3-Dichloropropene	0.529	0.608	-14.9	127	0.00
45	T	Dimethyl Disulfide	0.269	0.314	-16.7	120	0.00
46	I	Chlorobenzene-d5	1.000	1.000	0.0	119	0.00
47	S	Toluene-d8	1.423	1.481	-4.1	113	0.00
48	C	Toluene	1.778	1.941	-9.2	122	0.00
49	T	Ethyl Methacrylate	0.445	0.542	-21.8	130	0.00
50	T	trans-1,3-Dichloropropene	0.633	0.744	-17.5	127	0.00
51	T	1,1,2-Trichloroethane	0.344	0.378	-9.9	123	0.00
52	T	2-Hexanone	0.328	0.458	-39.6#	168#	0.00
53	T	1,3-Dichloropropane	0.628	0.701	-11.6	128	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\101705\11M29677.D Vial: 22
Acq On : 17 Oct 2005 17:04 Operator: CMS
Sample : WG198806-02 50ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
54	T	Tetrachloroethene	0.392	0.439	-12.0	123	0.00
55	T	Dibromochloromethane	0.404	0.457	-13.1	123	0.00
56	T	1,2-Dibromoethane	0.384	0.432	-12.5	126	0.00
57	T	1-Chlorohexane	0.580	0.662	-14.1	117	0.00
58	P	Chlorobenzene	1.243	1.345	-8.2	123	0.00
59	T	1,1,1,2-Tetrachloroethane	0.399	0.448	-12.3	119	0.00
60	C	Ethylbenzene	0.683	0.757	-10.8	123	0.00
61	T	m-,p-Xylene	0.805	0.925	-14.9	122	0.00
62	T	o-Xylene	1.577	1.770	-12.2	122	0.00
63	T	Styrene	1.300	1.500	-15.4	122	0.00
64	P	Bromoform	0.274	0.314	-14.6	126	0.00
65	T	Isopropylbenzene	2.017	2.290	-13.5	120	0.00
66	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	119	0.00
67	P	1,1,2,2-Tetrachloroethane	0.928	1.029	-10.9	133	0.00
68	S	p-Bromofluorobenzene	1.101	1.102	-0.1	112	0.00
69	T	1,2,3-Trichloropropane	0.293	0.345	-17.7	132	0.00
70	T	trans-1,4-Dichloro-2-Butene	0.411	0.512	-24.6	128	0.00
71	T	n-Propylbenzene	4.502	5.114	-13.6	121	0.00
72	T	Bromobenzene	0.933	1.016	-8.9	121	0.00
73	T	1,3,5-Trimethylbenzene	3.217	3.672	-14.1	121	0.00
74	T	2-Chlorotoluene	2.717	3.016	-11.0	118	0.00
75	T	4-Chlorotoluene	2.658	2.954	-11.1	124	0.00
76	T	a-Methylstyrene	1.761	1.992	-13.1	116	0.00
77	T	tert-Butylbenzene	0.687	0.783	-14.0	121	0.00
78	T	1,2,4-Trimethylbenzene	3.322	3.722	-12.0	120	0.00
79	T	sec-Butylbenzene	4.302	4.865	-13.1	119	0.00
80	T	p-Isopropyltoluene	3.574	3.976	-11.2	121	0.00
81	T	1,3-Dichlorobenzene	1.895	2.044	-7.9	119	0.00
82	T	1,4-Dichlorobenzene	1.923	2.082	-8.3	121	0.00
83	T	n-Butylbenzene	3.259	3.695	-13.4	120	0.00
84	T	1,2-Dichlorobenzene	1.779	1.907	-7.2	119	0.00
85	T	1,2-Dibromo-3-Chloropropane	0.191	0.234	-22.5	136	0.00
86	T	1,2,4-Trichlorobenzene	1.233	1.359	-10.2	125	0.00
87	T	Hexachlorobutadiene	0.565	0.641	-13.5	124	0.00
88	T	Naphthalene	3.131	3.689	-17.8	133	0.00
89	T	1,2,3-Trichlorobenzene	1.166	1.266	-8.6	124	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
11M29677.D 8260BSL.M Mon Oct 17 18:38:59 2005 Page 2

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\101705\11M29677.D Vial: 22
Acq On : 17 Oct 2005 17:04 Operator: CMS
Sample : WG198806-02 50ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	50.000	50.000	0.0	123	0.00
2	T	Dichlorodifluoromethane	50.000	58.769	-17.5	128	0.00
3	P	Chloromethane	50.000	47.444	5.1	117	-0.01
4	C	Vinyl Chloride	50.000	46.115	7.8	113	0.00
5	T	Bromomethane	50.000	54.930	-9.9	131	0.00
6	T	Chloroethane	50.000	59.354	-18.7	132	-0.01
7	T	Trichlorofluoromethane	50.000	59.739	-19.5	129	0.00
8	T	Isoprene	50.000	54.908	-9.8	121	0.00
9	T	Acrolein	100.000	107.323	-7.3	143	0.00
10	T	1,1,2-Trichloro-1,2,2-Trifl	50.000	57.715	-15.4	129	0.00
11	T	Acetone	50.000	57.465	-14.9	153	-0.02
12	C	1,1-Dichloroethene	50.000	57.970	-15.9	126	0.00
13	T	Dimethyl Sulfide	50.000	57.380	-14.8	123	0.00
14	T	Iodomethane	50.000	52.180	-4.4	123	0.00
15	T	Methyl acetate	50.000	58.387	-16.8	147	0.00
16	T	Methylene Chloride	50.000	54.588	-9.2	127	0.00
17	T	Carbon Disulfide	50.000	54.109	-8.2	119	0.00
18	T	Acrylonitrile	50.000	62.176	-24.4	142	0.00
19	T	Methyl Tert Butyl Ether	50.000	56.444	-12.9	127	0.00
20	T	trans-1,2-Dichloroethene	50.000	55.940	-11.9	126	0.00
21	T	n-Hexane	50.000	58.515	-17.0	121	0.00
22	T	Vinyl Acetate	50.000	57.172	-14.3	134	0.00
23	P	1,1-Dichloroethane	50.000	56.214	-12.4	128	0.00
24	T	2-Butanone	50.000	62.652	-25.3#	150	0.00
25	T	2,2-Dichloropropane	50.000	56.378	-12.8	124	0.00
26	T	cis-1,2-Dichloroethene	50.000	55.202	-10.4	122	0.00
27	C	Chloroform	50.000	54.416	-8.8	124	0.00
28	T	Bromochloromethane	50.000	54.966	-9.9	125	0.00
29	S	Dibromofluoromethane	50.000	50.813	-1.6	112	0.00
30	T	1,1,1-Trichloroethane	50.000	56.909	-13.8	123	0.00
31	T	Cyclohexane	50.000	58.558	-17.1	122	0.00
32	T	1,1-Dichloropropene	50.000	57.376	-14.8	124	0.00
33	T	Carbon Tetrachloride	50.000	52.962	-5.9	123	0.00
34	S	1,2-Dichloroethane-d4	50.000	50.417	-0.8	115	0.00
35	T	1,2-Dichloroethane	50.000	54.798	-9.6	127	0.00
36	T	Benzene	50.000	55.190	-10.4	126	0.00
37	T	Trichloroethene	50.000	54.688	-9.4	121	0.00
38	T	Methylcyclohexane	50.000	57.226	-14.5	118	0.00
39	C	1,2-Dichloropropane	50.000	54.533	-9.1	127	0.00
40	T	Bromodichloromethane	50.000	55.545	-11.1	124	0.00
41	T	Dibromomethane	50.000	54.325	-8.7	125	0.00
42	T	2-Chloroethyl Vinyl Ether	50.000	50.453	-0.9	143	0.01
43	T	4-Methyl-2-Pentanone	50.000	58.553	-17.1	149	-0.01
44	T	cis-1,3-Dichloropropene	50.000	57.386	-14.8	127	0.00
45	T	Dimethyl Disulfide	50.000	49.894	0.2	120	0.00
46	I	Chlorobenzene-d5	50.000	50.000	0.0	119	0.00
47	S	Toluene-d8	50.000	52.046	-4.1	113	0.00
48	C	Toluene	50.000	54.555	-9.1	122	0.00
49	T	Ethyl Methacrylate	50.000	53.933	-7.9	130	0.00
50	T	trans-1,3-Dichloropropene	50.000	58.762	-17.5	127	0.00
51	T	1,1,2-Trichloroethane	50.000	54.881	-9.8	123	0.00
52	T	2-Hexanone	50.000	69.693	-39.4#	168	0.00
53	T	1,3-Dichloropropane	50.000	55.782	-11.6	128	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\101705\11M29677.D Vial: 22
Acq On : 17 Oct 2005 17:04 Operator: CMS
Sample : WG198806-02 50ug/Kg SOIL STD 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
54	T	Tetrachloroethene	50.000	56.056	-12.1	123	0.00
55	T	Dibromochloromethane	50.000	56.533	-13.1	123	0.00
56	T	1,2-Dibromoethane	50.000	56.345	-12.7	126	0.00
57	T	1-Chlorohexane	50.000	57.114	-14.2	117	0.00
58	P	Chlorobenzene	50.000	54.092	-8.2	123	0.00
59	T	1,1,1,2-Tetrachloroethane	50.000	56.150	-12.3	119	0.00
60	C	Ethylbenzene	50.000	55.433	-10.9	123	0.00
61	T	m-,p-Xylene	100.000	114.989	-15.0	122	0.00
62	T	o-Xylene	50.000	56.142	-12.3	122	0.00
63	T	Styrene	50.000	57.704	-15.4	122	0.00
64	P	Bromoform	50.000	51.937	-3.9	126	0.00
65	T	Isopropylbenzene	50.000	56.760	-13.5	120	0.00
66	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	119	0.00
67	P	1,1,2,2-Tetrachloroethane	50.000	55.454	-10.9	133	0.00
68	S	p-Bromofluorobenzene	50.000	50.058	-0.1	112	0.00
69	T	1,2,3-Trichloropropane	50.000	59.021	-18.0	132	0.00
70	T	trans-1,4-Dichloro-2-Butene	50.000	55.977	-12.0	128	0.00
71	T	n-Propylbenzene	50.000	56.799	-13.6	121	0.00
72	T	Bromobenzene	50.000	54.456	-8.9	121	0.00
73	T	1,3,5-Trimethylbenzene	50.000	57.057	-14.1	121	0.00
74	T	2-Chlorotoluene	50.000	55.501	-11.0	118	0.00
75	T	4-Chlorotoluene	50.000	55.554	-11.1	124	0.00
76	T	a-Methylstyrene	50.000	52.554	-5.1	116	0.00
77	T	tert-Butylbenzene	50.000	57.002	-14.0	121	0.00
78	T	1,2,4-Trimethylbenzene	50.000	56.014	-12.0	120	0.00
79	T	sec-Butylbenzene	50.000	56.548	-13.1	119	0.00
80	T	p-Isopropyltoluene	50.000	55.634	-11.3	121	0.00
81	T	1,3-Dichlorobenzene	50.000	53.919	-7.8	119	0.00
82	T	1,4-Dichlorobenzene	50.000	54.154	-8.3	121	0.00
83	T	n-Butylbenzene	50.000	56.691	-13.4	120	0.00
84	T	1,2-Dichlorobenzene	50.000	53.596	-7.2	119	0.00
85	T	1,2-Dibromo-3-Chloropropane	50.000	61.415	-22.8	136	0.00
86	T	1,2,4-Trichlorobenzene	50.000	55.131	-10.3	125	0.00
87	T	Hexachlorobutadiene	50.000	56.756	-13.5	124	0.00
88	T	Naphthalene	50.000	58.921	-17.8	133	0.00
89	T	1,2,3-Trichlorobenzene	50.000	54.300	-8.6	124	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
11M29677.D 8260BSL.M Mon Oct 17 18:39:04 2005 Page 2

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101805\11M29708.D Vial: 8
Acq On : 18 Oct 2005 12:53 Operator: CMS
Sample : WG198871-02 50UG/kG soil std 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 13:15:21 2005 Quant Results File: 8260BSL.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:43:13 2005
Response via : Initial Calibration
DataAcq Meth : 8260BSL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	10.561	96	775383	50.0000 ug/Kg	0.000
46) Chlorobenzene-d5	14.193	117	608080	50.0000 ug/Kg	0.000
66) 1,4-Dichlorobenzene-d4	17.003	152	326633	50.0000 ug/Kg	0.000

System Monitoring Compounds					
29) Dibromofluoromethane	9.575	111	263156	49.6030195 ug/Kg	0.00
Spiked Amount 50.000			Recovery	= 99.21%	
34) 1,2-Dichloroethane-d4	10.177	65	348698	49.1679556 ug/Kg	0.00
Spiked Amount 50.000			Recovery	= 98.34%	
47) Toluene-d8	12.422	98	909493	52.5501114 ug/Kg	0.01
Spiked Amount 50.000			Recovery	= 105.10%	
68) p-Bromofluorobenzene	15.586	95	353286	49.1328110 ug/Kg	0.00
Spiked Amount 50.000			Recovery	= 98.27%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.14	85	431105	50.6589 ug/Kg	96
3) Chloromethane	3.61	50	383290	42.7701 ug/Kg	98
4) Vinyl Chloride	3.84	62	277285	43.7437 ug/Kg	98
5) Bromomethane	4.76	94	235632	63.2115 ug/Kg	99
6) Chloroethane	4.92	64	252221	54.3815 ug/Kg	98
7) Trichlorofluoromethane	5.41	101	598655	55.4297 ug/Kg	99
8) Isoprene	5.97	67	359691	48.1202 ug/Kg	71
9) Acrolein	6.17	56	52223	98.3914 ug/Kg	89
10) 1,1,2-Trichloro-1,2,2-Trif	6.18	101	310617	51.4549 ug/Kg	67
11) Acetone	6.29	43	134678	51.1883 ug/Kg	88
12) 1,1-Dichloroethene	6.49	96	270604	53.8316 ug/Kg	73
13) Dimethyl Sulfide	6.75	62	371084	52.2384 ug/Kg	81
14) Iodomethane	7.00	142	202890	46.7569 ug/Kg	99
15) Methyl acetate	7.01	43	265400	48.8296 ug/Kg#	58
16) Methylene Chloride	7.26	84	293082	52.7742 ug/Kg	65
17) Carbon Disulfide	7.31	76	878700	49.9463 ug/Kg	98
18) Acrylonitrile	7.43	53	140542	54.8016 ug/Kg	100
19) Methyl Tert Butyl Ether	7.46	73	734575	51.7798 ug/Kg	95
20) trans-1,2-Dichloroethene	7.70	96	286939	52.9875 ug/Kg	75
21) n-Hexane	7.76	57	540151	51.6141 ug/Kg	94
22) Vinyl Acetate	8.26	43	611180	45.9092 ug/Kg	94
23) 1,1-Dichloroethane	8.30	63	639340	54.6107 ug/Kg	99
24) 2-Butanone	8.83	43	166736	51.8687 ug/Kg	88
25) 2,2-Dichloropropane	9.03	77	478090	54.4852 ug/Kg	96
26) cis-1,2-Dichloroethene	9.09	96	304057	54.8854 ug/Kg	77
27) Chloroform	9.30	83	546101	55.0532 ug/Kg	100
28) Bromochloromethane	9.52	130	182664	53.3552 ug/Kg	99
30) 1,1,1-Trichloroethane	9.80	97	488438	54.8834 ug/Kg	90
31) Cyclohexane	9.84	56	613305	53.1784 ug/Kg	85
32) 1,1-Dichloropropene	9.99	75	424898	55.1754 ug/Kg	93
33) Carbon Tetrachloride	10.12	117	355649	42.5489 ug/Kg	98
35) 1,2-Dichloroethane	10.29	62	499573	53.5773 ug/Kg	96
36) Benzene	10.33	78	1130448	53.7833 ug/Kg	100
37) Trichloroethene	11.04	130	321673	55.0046 ug/Kg	89
38) Methylcyclohexane	11.11	83	490599	54.2493 ug/Kg	80
39) 1,2-Dichloropropane	11.24	63	324517	53.5722 ug/Kg	97
40) Bromodichloromethane	11.52	83	377014	54.6710 ug/Kg	97
41) Dibromomethane	11.61	93	160489	53.1474 ug/Kg	83
42) 2-Chloroethyl Vinyl Ether	11.80	63	40270	64.5134 ug/Kg	86
43) 4-Methyl-2-Pentanone	11.82	58	131148	50.8850 ug/Kg	94

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101805\11M29708.D Vial: 8
Acq On : 18 Oct 2005 12:53 Operator: CMS
Sample : WG198871-02 50UG/kG soil std 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 13:15:21 2005 Quant Results File: 8260BSL.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:43:13 2005
Response via : Initial Calibration
DataAcq Meth : 8260BSL

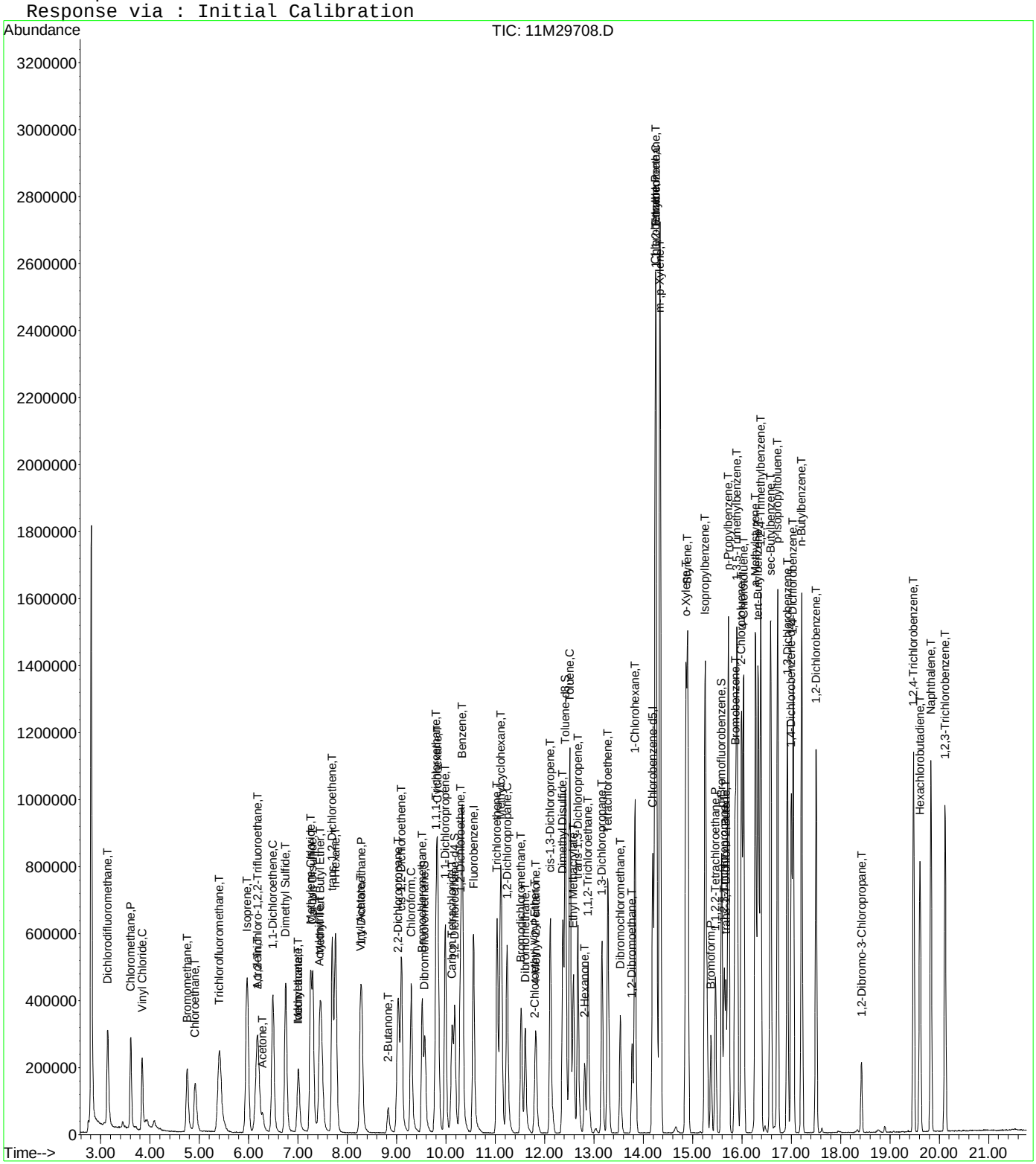
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
44) cis-1,3-Dichloropropene	12.12	75	468096	57.0168 ug/Kg	94
45) Dimethyl Disulfide	12.37	79	248833	50.9431 ug/Kg	92
48) Toluene	12.51	91	1168304	54.0148 ug/Kg	99
49) Ethyl Methacrylate	12.59	69	313022	51.2892 ug/Kg	98
50) trans-1,3-Dichloropropene	12.68	75	445987	57.8885 ug/Kg	98
51) 1,1,2-Trichloroethane	12.88	97	218940	52.3265 ug/Kg	98
52) 2-Hexanone	12.81	43	215104	53.8866 ug/Kg	92
53) 1,3-Dichloropropane	13.16	76	407987	53.4035 ug/Kg	80
54) Tetrachloroethene	13.28	164	257074	53.9650 ug/Kg	92
55) Dibromochloromethane	13.54	129	267398	54.3689 ug/Kg	100
56) 1,2-Dibromoethane	13.77	107	252867	54.2049 ug/Kg	98
57) 1-Chlorohexane	13.83	91	382377	54.2384 ug/Kg	72
58) Chlorobenzene	14.24	112	791260	52.3287 ug/Kg	100
59) 1,1,1,2-Tetrachloroethane	14.27	131	263975	54.3761 ug/Kg	98
60) Ethylbenzene	14.25	106	442285	53.2651 ug/Kg	81
61) m-,p-Xylene	14.34	106	1104543	112.8498 ug/Kg	83
62) o-Xylene	14.87	91	1049596	54.7338 ug/Kg	90
63) Styrene	14.90	104	878958	55.5915 ug/Kg	92
64) Bromoform	15.37	173	184472	50.2611 ug/Kg	98
65) Isopropylbenzene	15.26	105	1346511	54.8865 ug/Kg	100
67) 1,1,2,2-Tetrachloroethane	15.46	83	305115	50.3450 ug/Kg	99
69) 1,2,3-Trichloropropane	15.64	110	102403	53.5781 ug/Kg	69
70) trans-1,4-Dichloro-2-Buten	15.68	53	146926	49.5483 ug/Kg	67
71) n-Propylbenzene	15.73	91	1607664	54.6675 ug/Kg	90
72) Bromobenzene	15.87	156	321580	52.7640 ug/Kg	66
73) 1,3,5-Trimethylbenzene	15.90	105	1163086	55.3355 ug/Kg	100
74) 2-Chlorotoluene	15.99	91	947713	53.3911 ug/Kg	90
75) 4-Chlorotoluene	16.04	91	956573	55.0838 ug/Kg	91
76) a-Methylstyrene	16.28	118	627908	50.7423 ug/Kg	98
77) tert-Butylbenzene	16.33	134	242450	54.0348 ug/Kg	71
78) 1,2,4-Trimethylbenzene	16.38	105	1182658	54.4925 ug/Kg	99
79) sec-Butylbenzene	16.58	105	1548861	55.1152 ug/Kg	99
80) p-Isopropyltoluene	16.72	119	1274952	54.6139 ug/Kg	99
81) 1,3-Dichlorobenzene	16.92	146	647606	52.3019 ug/Kg	95
82) 1,4-Dichlorobenzene	17.04	146	669433	53.2963 ug/Kg	94
83) n-Butylbenzene	17.21	91	1184590	55.6435 ug/Kg	91
84) 1,2-Dichlorobenzene	17.51	146	610172	52.4918 ug/Kg	92
85) 1,2-Dibromo-3-Chloropropan	18.42	75	66047	52.9928 ug/Kg	97
86) 1,2,4-Trichlorobenzene	19.48	180	425646	52.8561 ug/Kg	95
87) Hexachlorobutadiene	19.61	225	207005	56.1212 ug/Kg	93
88) Naphthalene	19.83	128	1083840	52.9956 ug/Kg	99
89) 1,2,3-Trichlorobenzene	20.12	180	384648	50.5027 ug/Kg	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101805\11M29708.D Vial: 8
Acq On : 18 Oct 2005 12:53 Operator: CMS
Sample : WG198871-02 50UG/kG soil std 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 13:15 2005 Quant Results File: 8260BSL.RES

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:43:13 2005
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\101805\11M29708.D Vial: 8
Acq On : 18 Oct 2005 12:53 Operator: CMS
Sample : WG198871-02 50UG/kG soil std 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:43:13 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	117	0.00
2	T	Dichlorodifluoromethane	0.549	0.556	-1.3	105	0.01
3	P	Chloromethane	0.578	0.494	14.5	100	-0.02
4	C	Vinyl Chloride	0.409	0.358	12.5	101	0.00
5	T	Bromomethane	0.216	0.304	-40.7#	144	0.00
6	T	Chloroethane	0.299	0.325	-8.7	115	0.00
7	T	Trichlorofluoromethane	0.696	0.772	-10.9	114	0.00
8	T	Isoprene	0.482	0.464	3.7	101	0.00
9	T	Acrolein	0.028	0.034	-21.4	123	0.01
10	T	1,1,2-Trichloro-1,2,2-Trifl	0.389	0.401	-3.1	109	0.00
11	T	Acetone	0.170	0.174	-2.4	129	0.00
12	C	1,1-Dichloroethene	0.324	0.349	-7.7	111	0.00
13	T	Dimethyl Sulfide	0.458	0.479	-4.6	106	0.00
14	T	Iodomethane	0.228	0.262	-14.9	103	0.00
15	T	Methyl acetate	0.350	0.342	2.3	117	0.00
16	T	Methylene Chloride	0.358	0.378	-5.6	117	0.01
17	T	Carbon Disulfide	1.134	1.133	0.1	105	0.00
18	T	Acrylonitrile	0.165	0.181	-9.7	119	0.00
19	T	Methyl Tert Butyl Ether	0.915	0.947	-3.5	111	0.00
20	T	trans-1,2-Dichloroethene	0.349	0.370	-6.0	114	0.00
21	T	n-Hexane	0.675	0.697	-3.3	102	0.00
22	T	Vinyl Acetate	0.858	0.788	8.2	103	0.00
23	P	1,1-Dichloroethane	0.755	0.825	-9.3	118	0.01
24	T	2-Butanone	0.207	0.215	-3.9	118	0.00
25	T	2,2-Dichloropropane	0.566	0.617	-9.0	114	0.00
26	T	cis-1,2-Dichloroethene	0.357	0.392	-9.8	116	0.00
27	C	Chloroform	0.640	0.704	-10.0	119	0.00
28	T	Bromochloromethane	0.221	0.236	-6.8	115	0.00
29	S	Dibromofluoromethane	0.342	0.339	0.9	104	0.00
30	T	1,1,1-Trichloroethane	0.574	0.630	-9.8	113	0.00
31	T	Cyclohexane	0.744	0.791	-6.3	106	0.00
32	T	1,1-Dichloropropene	0.497	0.548	-10.3	113	0.01
33	T	Carbon Tetrachloride	0.498	0.459	7.8	93	0.00
34	S	1,2-Dichloroethane-d4	0.457	0.450	1.5	107	0.00
35	T	1,2-Dichloroethane	0.601	0.644	-7.2	118	0.00
36	T	Benzene	1.355	1.458	-7.6	116	0.00
37	T	Trichloroethene	0.377	0.415	-10.1	115	0.00
38	T	Methylcyclohexane	0.583	0.633	-8.6	106	0.00
39	C	1,2-Dichloropropane	0.391	0.419	-7.2	118	0.00
40	T	Bromodichloromethane	0.445	0.486	-9.2	116	0.00
41	T	Dibromomethane	0.195	0.207	-6.2	116	0.00
42	T	2-Chloroethyl Vinyl Ether	0.033	0.052	-57.6#	185#	0.02
43	T	4-Methyl-2-Pentanone	0.147	0.169	-15.0	122	-0.01
44	T	cis-1,3-Dichloropropene	0.529	0.604	-14.2	120	0.00
45	T	Dimethyl Disulfide	0.269	0.321	-19.3	117	0.00
46	I	Chlorobenzene-d5	1.000	1.000	0.0	113	0.00
47	S	Toluene-d8	1.423	1.496	-5.1	109	0.01
48	C	Toluene	1.778	1.921	-8.0	115	0.00
49	T	Ethyl Methacrylate	0.445	0.515	-15.7	117	0.00
50	T	trans-1,3-Dichloropropene	0.633	0.733	-15.8	120	0.00
51	T	1,1,2-Trichloroethane	0.344	0.360	-4.7	112	0.00
52	T	2-Hexanone	0.328	0.354	-7.9	124	0.00
53	T	1,3-Dichloropropane	0.628	0.671	-6.8	117	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\101805\11M29708.D Vial: 8
Acq On : 18 Oct 2005 12:53 Operator: CMS
Sample : WG198871-02 50UG/kG soil std 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:43:13 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
54	T	Tetrachloroethene	0.392	0.423	-7.9	113	0.00
55	T	Dibromochloromethane	0.404	0.440	-8.9	113	0.00
56	T	1,2-Dibromoethane	0.384	0.416	-8.3	116	0.00
57	T	1-Chlorohexane	0.580	0.629	-8.4	106	0.00
58	P	Chlorobenzene	1.243	1.301	-4.7	113	0.00
59	T	1,1,1,2-Tetrachloroethane	0.399	0.434	-8.8	109	0.00
60	C	Ethylbenzene	0.683	0.727	-6.4	112	0.00
61	T	m-,p-Xylene	0.805	0.908	-12.8	115	0.00
62	T	o-Xylene	1.577	1.726	-9.4	113	0.00
63	T	Styrene	1.300	1.445	-11.2	112	0.00
64	P	Bromoform	0.274	0.303	-10.6	116	0.00
65	T	Isopropylbenzene	2.017	2.214	-9.8	111	0.00
66	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	113	0.00
67	P	1,1,2,2-Tetrachloroethane	0.928	0.934	-0.6	114	0.00
68	S	p-Bromofluorobenzene	1.101	1.082	1.7	104	0.00
69	T	1,2,3-Trichloropropane	0.293	0.314	-7.2	113	0.00
70	T	trans-1,4-Dichloro-2-Butene	0.411	0.450	-9.5	106	0.00
71	T	n-Propylbenzene	4.502	4.922	-9.3	110	0.00
72	T	Bromobenzene	0.933	0.985	-5.6	111	0.00
73	T	1,3,5-Trimethylbenzene	3.217	3.561	-10.7	112	0.00
74	T	2-Chlorotoluene	2.717	2.901	-6.8	108	0.00
75	T	4-Chlorotoluene	2.658	2.929	-10.2	116	0.00
76	T	a-Methylstyrene	1.761	1.922	-9.1	106	0.00
77	T	tert-Butylbenzene	0.687	0.742	-8.0	109	0.00
78	T	1,2,4-Trimethylbenzene	3.322	3.621	-9.0	111	0.00
79	T	sec-Butylbenzene	4.302	4.742	-10.2	110	0.00
80	T	p-Isopropyltoluene	3.574	3.903	-9.2	112	0.00
81	T	1,3-Dichlorobenzene	1.895	1.983	-4.6	110	0.00
82	T	1,4-Dichlorobenzene	1.923	2.049	-6.6	112	0.00
83	T	n-Butylbenzene	3.259	3.627	-11.3	112	0.00
84	T	1,2-Dichlorobenzene	1.779	1.868	-5.0	111	0.00
85	T	1,2-Dibromo-3-Chloropropane	0.191	0.202	-5.8	111	0.00
86	T	1,2,4-Trichlorobenzene	1.233	1.303	-5.7	114	0.00
87	T	Hexachlorobutadiene	0.565	0.634	-12.2	116	0.00
88	T	Naphthalene	3.131	3.318	-6.0	113	0.00
89	T	1,2,3-Trichlorobenzene	1.166	1.178	-1.0	109	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
11M29708.D 8260BSL.M Tue Oct 18 13:16:11 2005 Page 2

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\101805\11M29708.D Vial: 8
Acq On : 18 Oct 2005 12:53 Operator: CMS
Sample : WG198871-02 50UG/kG soil std 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:43:13 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	50.000	50.000	0.0	117	0.00
2	T	Dichlorodifluoromethane	50.000	50.659	-1.3	105	0.01
3	P	Chloromethane	50.000	42.770	14.5	100	-0.02
4	C	Vinyl Chloride	50.000	43.744	12.5	101	0.00
5	T	Bromomethane	50.000	63.211	-26.4#	144	0.00
6	T	Chloroethane	50.000	54.381	-8.8	115	0.00
7	T	Trichlorofluoromethane	50.000	55.430	-10.9	114	0.00
8	T	Isoprene	50.000	48.120	3.8	101	0.00
9	T	Acrolein	100.000	98.391	1.6	123	0.01
10	T	1,1,2-Trichloro-1,2,2-Trifl	50.000	51.455	-2.9	109	0.00
11	T	Acetone	50.000	51.188	-2.4	129	0.00
12	C	1,1-Dichloroethene	50.000	53.832	-7.7	111	0.00
13	T	Dimethyl Sulfide	50.000	52.238	-4.5	106	0.00
14	T	Iodomethane	50.000	46.757	6.5	103	0.00
15	T	Methyl acetate	50.000	48.830	2.3	117	0.00
16	T	Methylene Chloride	50.000	52.774	-5.5	117	0.01
17	T	Carbon Disulfide	50.000	49.946	0.1	105	0.00
18	T	Acrylonitrile	50.000	54.802	-9.6	119	0.00
19	T	Methyl Tert Butyl Ether	50.000	51.780	-3.6	111	0.00
20	T	trans-1,2-Dichloroethene	50.000	52.988	-6.0	114	0.00
21	T	n-Hexane	50.000	51.614	-3.2	102	0.00
22	T	Vinyl Acetate	50.000	45.909	8.2	103	0.00
23	P	1,1-Dichloroethane	50.000	54.611	-9.2	118	0.01
24	T	2-Butanone	50.000	51.869	-3.7	118	0.00
25	T	2,2-Dichloropropane	50.000	54.485	-9.0	114	0.00
26	T	cis-1,2-Dichloroethene	50.000	54.885	-9.8	116	0.00
27	C	Chloroform	50.000	55.053	-10.1	119	0.00
28	T	Bromochloromethane	50.000	53.355	-6.7	115	0.00
29	S	Dibromofluoromethane	50.000	49.603	0.8	104	0.00
30	T	1,1,1-Trichloroethane	50.000	54.883	-9.8	113	0.00
31	T	Cyclohexane	50.000	53.178	-6.4	106	0.00
32	T	1,1-Dichloropropene	50.000	55.175	-10.3	113	0.01
33	T	Carbon Tetrachloride	50.000	42.549	14.9	93	0.00
34	S	1,2-Dichloroethane-d4	50.000	49.168	1.7	107	0.00
35	T	1,2-Dichloroethane	50.000	53.577	-7.2	118	0.00
36	T	Benzene	50.000	53.783	-7.6	116	0.00
37	T	Trichloroethene	50.000	55.005	-10.0	115	0.00
38	T	Methylcyclohexane	50.000	54.249	-8.5	106	0.00
39	C	1,2-Dichloropropane	50.000	53.572	-7.1	118	0.00
40	T	Bromodichloromethane	50.000	54.671	-9.3	116	0.00
41	T	Dibromomethane	50.000	53.147	-6.3	116	0.00
42	T	2-Chloroethyl Vinyl Ether	50.000	64.513	-29.0#	185	0.02
43	T	4-Methyl-2-Pentanone	50.000	50.885	-1.8	122	-0.01
44	T	cis-1,3-Dichloropropene	50.000	57.017	-14.0	120	0.00
45	T	Dimethyl Disulfide	50.000	50.943	-1.9	117	0.00
46	I	Chlorobenzene-d5	50.000	50.000	0.0	113	0.00
47	S	Toluene-d8	50.000	52.550	-5.1	109	0.01
48	C	Toluene	50.000	54.015	-8.0	115	0.00
49	T	Ethyl Methacrylate	50.000	51.289	-2.6	117	0.00
50	T	trans-1,3-Dichloropropene	50.000	57.889	-15.8	120	0.00
51	T	1,1,2-Trichloroethane	50.000	52.327	-4.7	112	0.00
52	T	2-Hexanone	50.000	53.887	-7.8	124	0.00
53	T	1,3-Dichloropropane	50.000	53.403	-6.8	117	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\101805\11M29708.D Vial: 8
Acq On : 18 Oct 2005 12:53 Operator: CMS
Sample : WG198871-02 50UG/kG soil std 8260 Inst : HPMS11
Misc : 7,1 SV14841 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:43:13 2005
Response via : Multiple Level Calibration

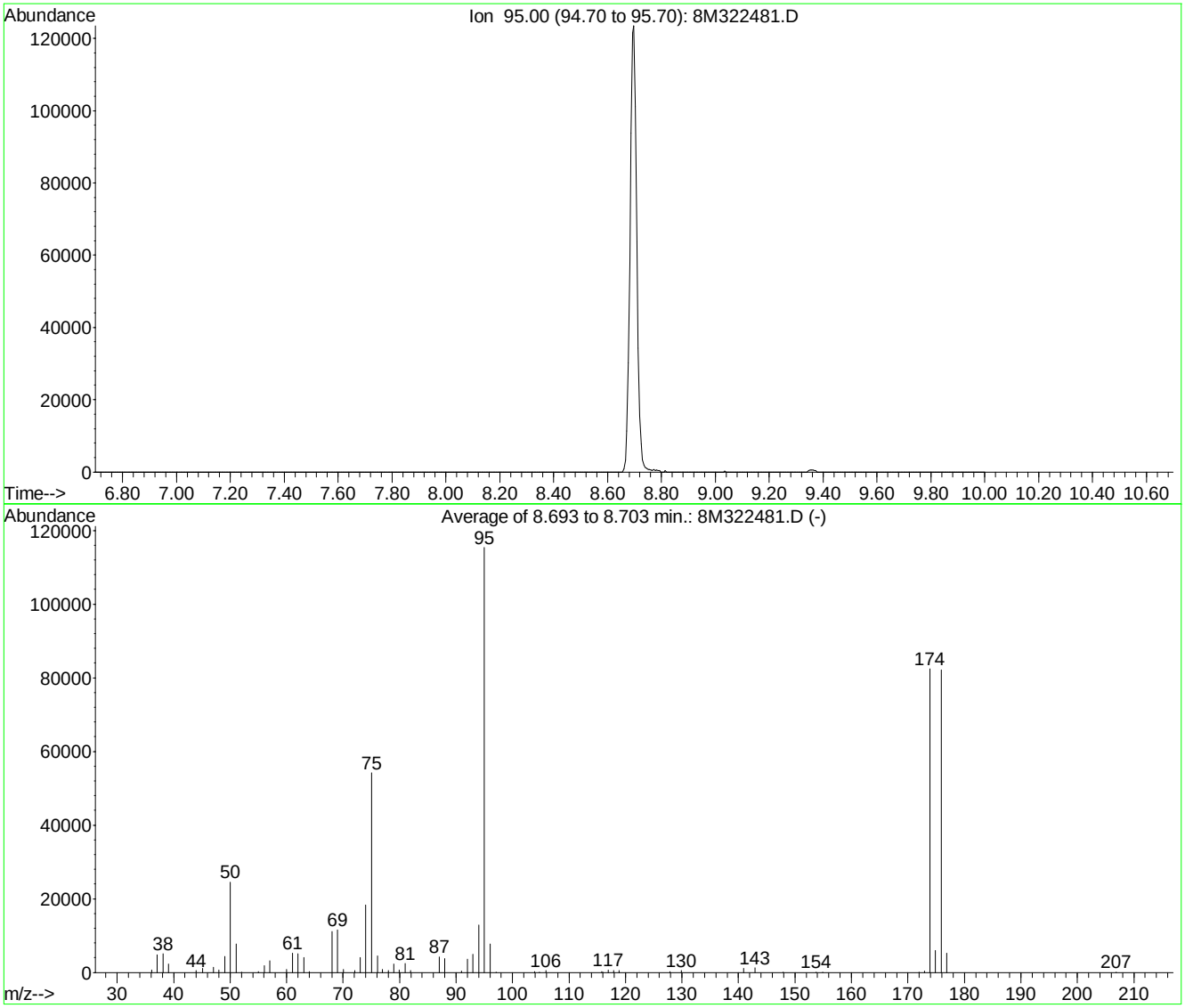
Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
54	T	Tetrachloroethene	50.000	53.965	-7.9	113	0.00
55	T	Dibromochloromethane	50.000	54.369	-8.7	113	0.00
56	T	1,2-Dibromoethane	50.000	54.205	-8.4	116	0.00
57	T	1-Chlorohexane	50.000	54.238	-8.5	106	0.00
58	P	Chlorobenzene	50.000	52.329	-4.7	113	0.00
59	T	1,1,1,2-Tetrachloroethane	50.000	54.376	-8.8	109	0.00
60	C	Ethylbenzene	50.000	53.265	-6.5	112	0.00
61	T	m-,p-Xylene	100.000	112.850	-12.8	115	0.00
62	T	o-Xylene	50.000	54.734	-9.5	113	0.00
63	T	Styrene	50.000	55.591	-11.2	112	0.00
64	P	Bromoform	50.000	50.261	-0.5	116	0.00
65	T	Isopropylbenzene	50.000	54.886	-9.8	111	0.00
66	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	113	0.00
67	P	1,1,2,2-Tetrachloroethane	50.000	50.345	-0.7	114	0.00
68	S	p-Bromofluorobenzene	50.000	49.133	1.7	104	0.00
69	T	1,2,3-Trichloropropane	50.000	53.578	-7.2	113	0.00
70	T	trans-1,4-Dichloro-2-Butene	50.000	49.548	0.9	106	0.00
71	T	n-Propylbenzene	50.000	54.667	-9.3	110	0.00
72	T	Bromobenzene	50.000	52.764	-5.5	111	0.00
73	T	1,3,5-Trimethylbenzene	50.000	55.336	-10.7	112	0.00
74	T	2-Chlorotoluene	50.000	53.391	-6.8	108	0.00
75	T	4-Chlorotoluene	50.000	55.084	-10.2	116	0.00
76	T	a-Methylstyrene	50.000	50.742	-1.5	106	0.00
77	T	tert-Butylbenzene	50.000	54.035	-8.1	109	0.00
78	T	1,2,4-Trimethylbenzene	50.000	54.492	-9.0	111	0.00
79	T	sec-Butylbenzene	50.000	55.115	-10.2	110	0.00
80	T	p-Isopropyltoluene	50.000	54.614	-9.2	112	0.00
81	T	1,3-Dichlorobenzene	50.000	52.302	-4.6	110	0.00
82	T	1,4-Dichlorobenzene	50.000	53.296	-6.6	112	0.00
83	T	n-Butylbenzene	50.000	55.644	-11.3	112	0.00
84	T	1,2-Dichlorobenzene	50.000	52.492	-5.0	111	0.00
85	T	1,2-Dibromo-3-Chloropropane	50.000	52.993	-6.0	111	0.00
86	T	1,2,4-Trichlorobenzene	50.000	52.856	-5.7	114	0.00
87	T	Hexachlorobutadiene	50.000	56.121	-12.2	116	0.00
88	T	Naphthalene	50.000	52.996	-6.0	113	0.00
89	T	1,2,3-Trichlorobenzene	50.000	50.503	-1.0	109	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
11M29708.D 8260BSL.M Tue Oct 18 13:16:06 2005 Page 2

2.1.1.4 Raw QC Data

```
Data File : C:\MSDCHEM\1\DATA\091305\8M322481.D          Vial: 1
Acq On    : 13 Sep 2005   7:28                       Operator: CMS
Sample    : WG196546-01 BFB 50ng STD 8260            Inst    : HPMS8
Misc      : 1,1 SV14612                              Multiplr: 1.00
MS Integration Params: rteint.p
Method    : C:\MSDCHEM\1\METHODS\BFB.M (RTE Integrator)
Title     :
```

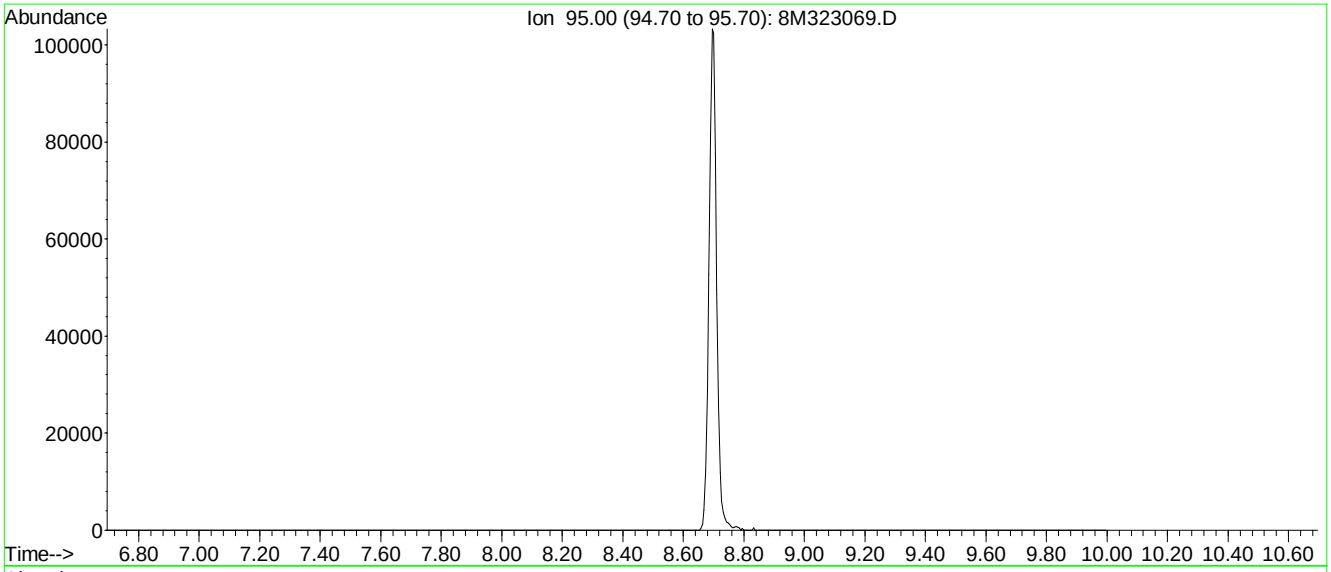


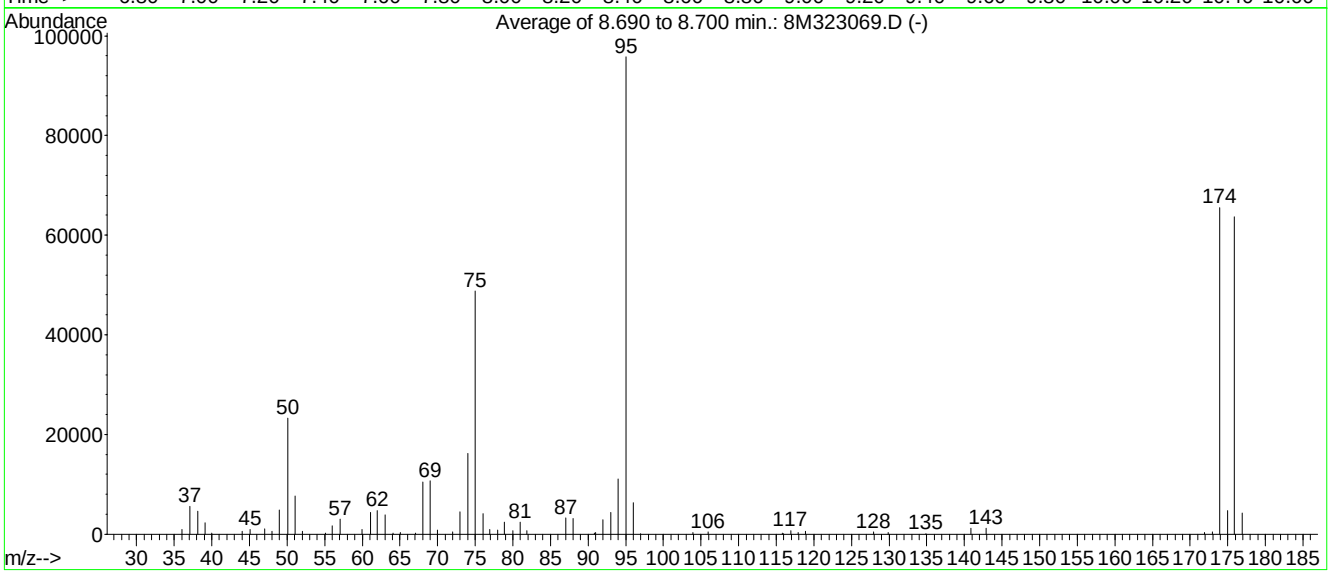
AutoFind: Scans 494, 495, 496; Background Corrected with Scan 485

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.3	24538	PASS
75	95	30	60	46.9	54152	PASS
95	95	100	100	100.0	115405	PASS
96	95	5	9	6.7	7688	PASS
173	174	0.00	2	0.5	374	PASS
174	95	50	100	71.4	82426	PASS
175	174	5	9	7.2	5897	PASS
176	174	95	101	99.6	82101	PASS
177	176	5	9	6.4	5239	PASS

8M322481.D BFB.M Wed Sep 14 08:23:28 2005

```
Data File : C:\MSDCHEM\1\DATA\101405\8M323069.D          Vial: 1
Acq On    : 14 Oct 2005   7:25                       Operator: CMS
Sample    : WG198626-01 BFB 50ng STD 8260            Inst    : HPMS8
Misc      : 1,1 SV14739                              Multiplr: 1.00
MS Integration Params: rteint.p
Method    : C:\MSDCHEM\1\METHODS\BFB.M (RTE Integrator)
Title     :
```



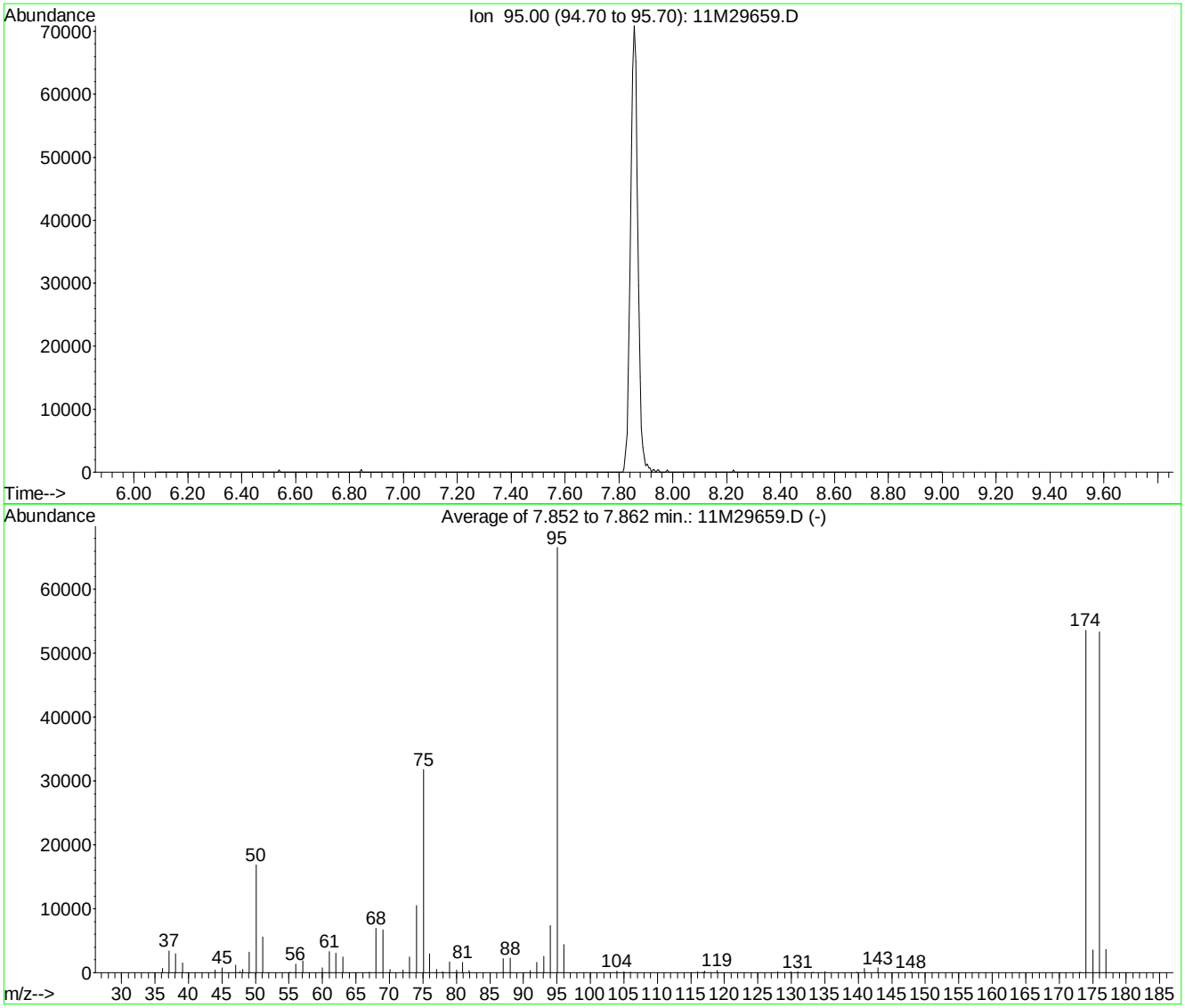


AutoFind: Scans 493, 494, 495; Background Corrected with Scan 484

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.3	23320	PASS
75	95	30	60	50.9	48802	PASS
95	95	100	100	100.0	95842	PASS
96	95	5	9	6.6	6353	PASS
173	174	0.00	2	0.7	449	PASS
174	95	50	100	68.3	65490	PASS
175	174	5	9	7.2	4739	PASS
176	174	95	101	97.2	63677	PASS
177	176	5	9	6.7	4266	PASS

8M323069.D BFB.M Fri Oct 14 08:22:30 2005

```
Data File : C:\MSDCHEM\1\DATA\101705\11M29659.D          Vial: 4
Acq On    : 17 Oct 2005   7:05                       Operator: CMS
Sample    : WG198725-01 BFB 50ng STD 8260            Inst    : HPMS11
Misc      : 7,1 SV14739                              Multiplr: 1.00
MS Integration Params: rteint.p
Method    : C:\MSDCHEM\1\METHODS\BFB.M (RTE Integrator)
Title     :
```

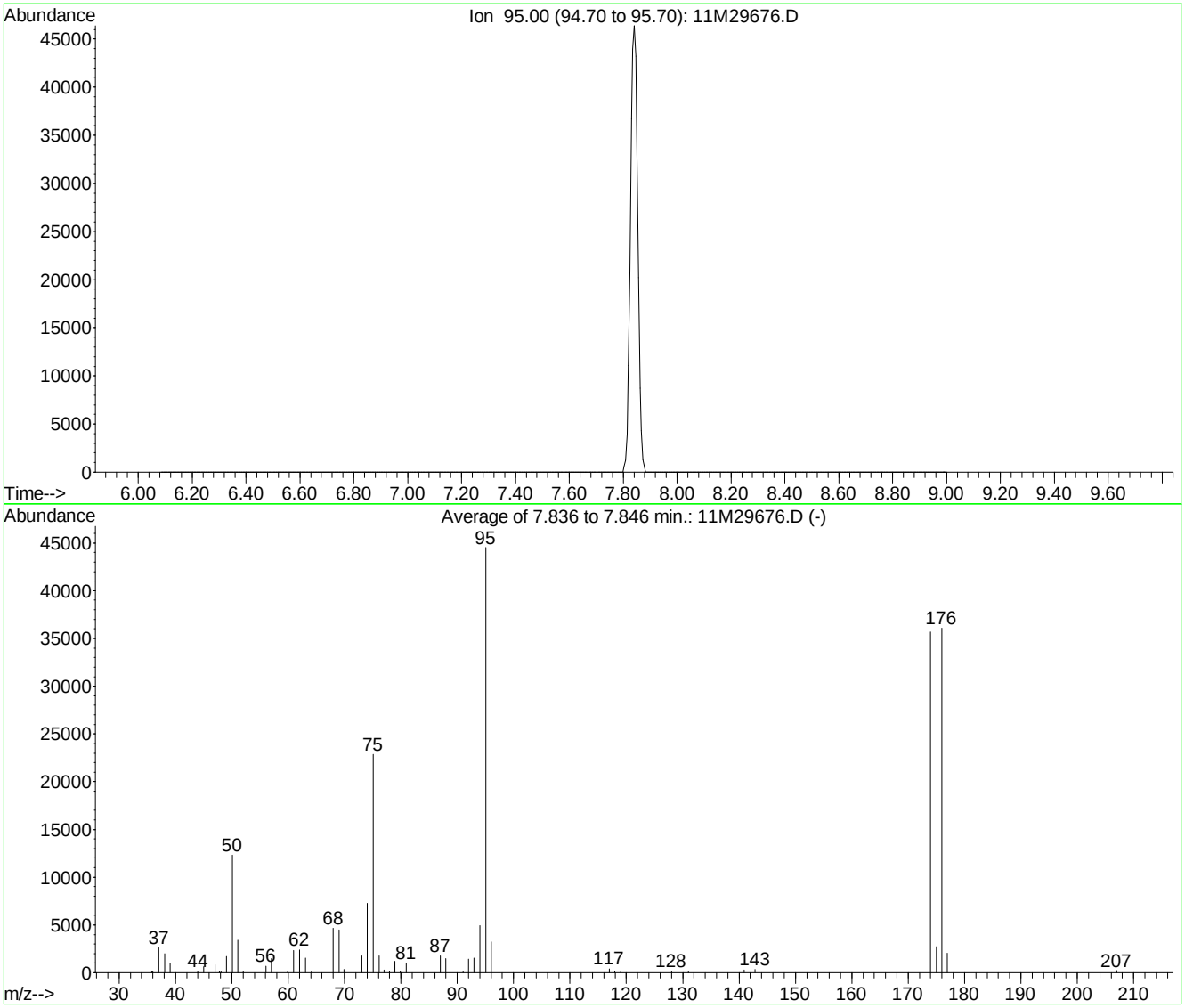


AutoFind: Scans 332, 333, 334; Background Corrected with Scan 323

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.3	16845	PASS
75	95	30	60	47.7	31765	PASS
95	95	100	100	100.0	66549	PASS
96	95	5	9	6.6	4378	PASS
173	174	0.00	2	0.2	121	PASS
174	95	50	100	80.5	53605	PASS
175	174	5	9	6.6	3554	PASS
176	174	95	101	99.5	53354	PASS
177	176	5	9	6.8	3647	PASS

11M29659.D BFB.M Mon Oct 17 18:23:16 2005

```
Data File : C:\MSDCHEM\1\DATA\101705\11M29676.D          Vial: 21
Acq On    : 17 Oct 2005  16:35                       Operator: CMS
Sample    : WG198806-01 BFB 50ng STD 8260            Inst    : HPMS11
Misc      : 7,1 SV14739                              Multiplr: 1.00
MS Integration Params: rteint.p
Method    : C:\MSDCHEM\1\METHODS\BFB.M (RTE Integrator)
Title     :
```

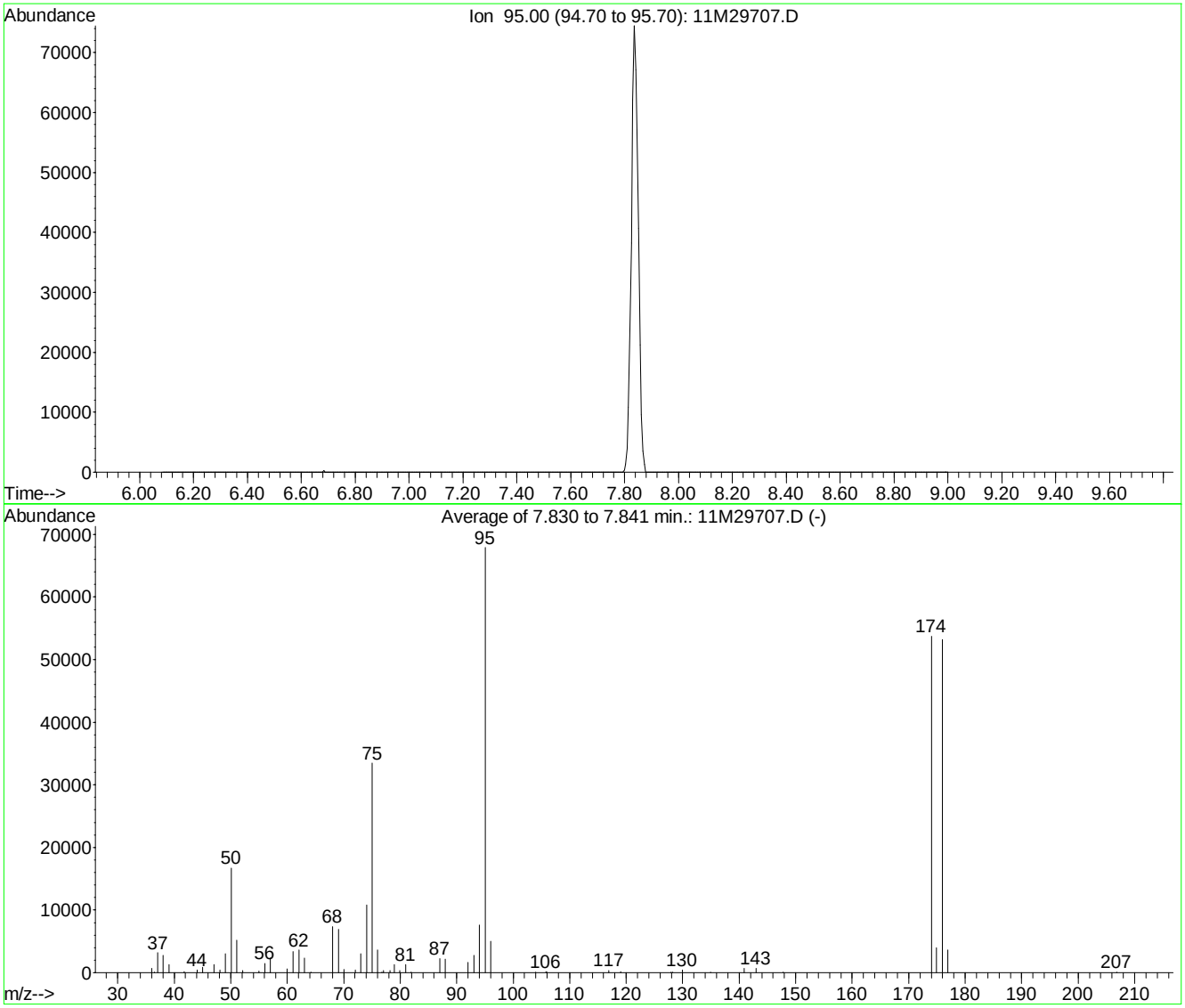


AutoFind: Scans 329, 330, 331; Background Corrected with Scan 320

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	27.6	12288	PASS
75	95	30	60	51.3	22840	PASS
95	95	100	100	100.0	44514	PASS
96	95	5	9	7.2	3214	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	80.2	35704	PASS
175	174	5	9	7.6	2729	PASS
176	174	95	101	101.0	36053	PASS
177	176	5	9	5.7	2050	PASS

11M29676.D BFB.M Mon Oct 17 18:38:37 2005

```
Data File : C:\MSDCHEM\1\DATA\101805\11M29707.D          Vial: 7
Acq On    : 18 Oct 2005  12:20                       Operator: CMS
Sample    : WG198871-01 BFB 50ng STD 8260            Inst    : HPMS11
Misc      : 7,1 SV14739                              Multiplr: 1.00
MS Integration Params: rteint.p
Method    : C:\MSDCHEM\1\METHODS\BFB.M (RTE Integrator)
Title     :
```



AutoFind: Scans 328, 329, 330; Background Corrected with Scan 319

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.6	16720	PASS
75	95	30	60	49.3	33466	PASS
95	95	100	100	100.0	67885	PASS
96	95	5	9	7.5	5063	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	79.1	53688	PASS
175	174	5	9	7.5	4020	PASS
176	174	95	101	99.1	53186	PASS
177	176	5	9	6.8	3630	PASS

11M29707.D BFB.M Tue Oct 18 13:16:23 2005

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\data\101405\8M323072.D Vial: 4
Acq On : 14 Oct 2005 8:59 Operator: CMS
Sample : WG198627-01 VBLK1014 BLANK 8260 Inst : HPMS8
Misc : 1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 09:22:04 2005 Quant Results File: 8260BWT.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Initial Calibration
DataAcq Meth : 8260BWT

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	11.39	96	895194	25.00 ug/L	0.00
44) Chlorobenzene-d5	15.27	117	659464	25.00 ug/L	0.00
64) 1,4-Dichlorobenzene-d4	18.30	152	340458	25.00 ug/L	0.00

System Monitoring Compounds					
28) Dibromofluoromethane	10.35	111	192346	26.1976 ug/L	0.00
Spiked Amount 25.000	Range 86 - 118		Recovery = 104.80%		
33) 1,2-Dichloroethane-d4	10.99	65	222499	28.5297 ug/L	0.00
Spiked Amount 25.000	Range 80 - 120		Recovery = 114.12%		
45) Toluene-d8	13.38	98	669227	26.1988 ug/L	0.00
Spiked Amount 25.000	Range 88 - 110		Recovery = 104.80%		
66) p-Bromofluorobenzene	16.77	95	263081	27.5441 ug/L	0.00
Spiked Amount 25.000	Range 86 - 115		Recovery = 110.16%		

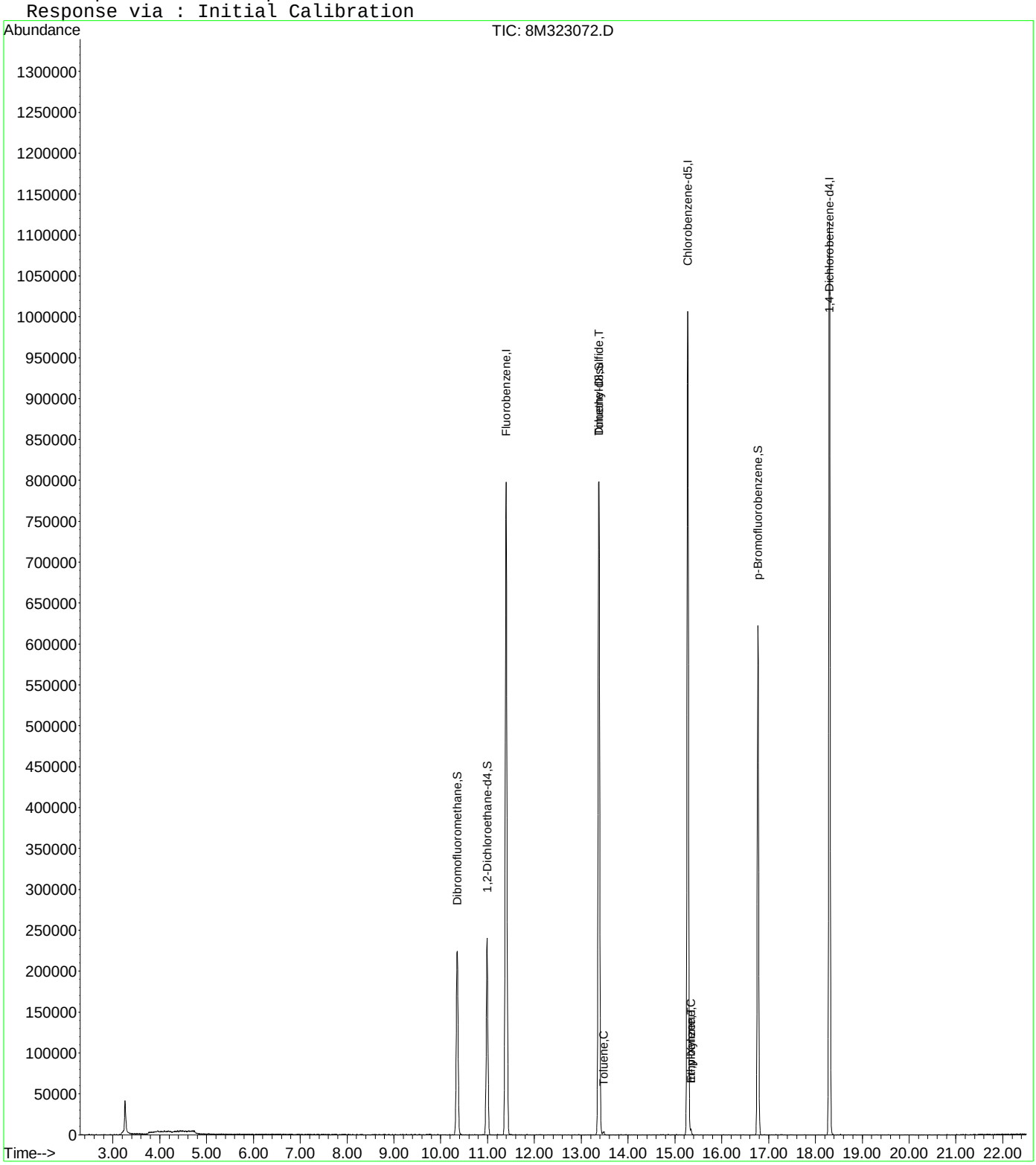
Target Compounds					Qvalue
43) Dimethyl Disulfide	13.37	94	19762	1.7383 ug/L #	27
46) Toluene	13.49	91	4829	0.1698 ug/L	92
58) Ethylbenzene	15.34	106	2081	0.2084 ug/L	71
59) m-,p-Xylene	15.34	106	2081	0.6571 ug/L #	1

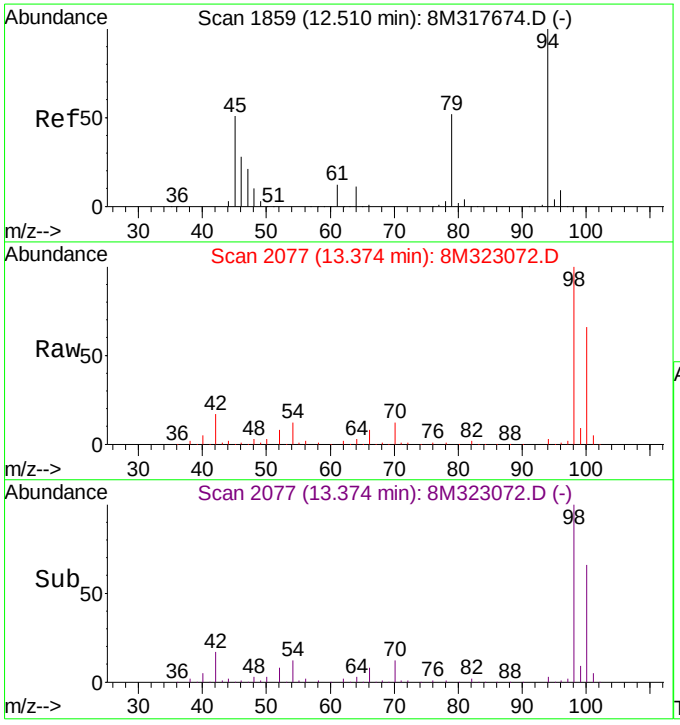
(#) = qualifier out of range (m) = manual integration
8M323072.D 8260BWT.M Fri Oct 14 09:22:06 2005 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\data\101405\8M323072.D Vial: 4
Acq On : 14 Oct 2005 8:59 Operator: CMS
Sample : WG198627-01 VBLK1014 BLANK 8260 Inst : HPMS8
Misc : 1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 9:22 2005 Quant Results File: 8260BWT.RES

Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Initial Calibration

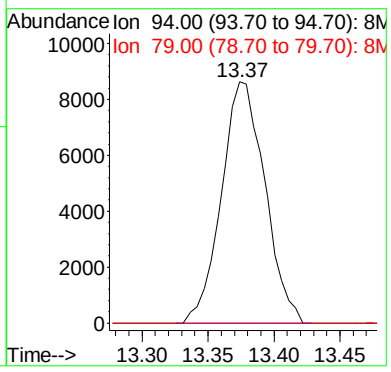


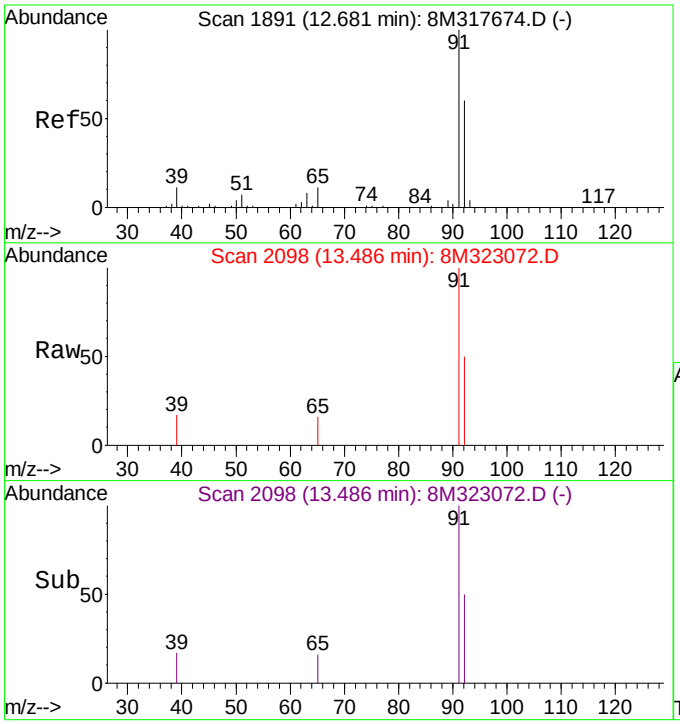


#43
Dimethyl Disulfide
Concen: 1.74 ug/L
RT: 13.37 min Scan# 2077
Delta R.T. 0.05 min
Lab File: 8M323072.D
Acq: 14 Oct 2005 8:59

Tgt Ion: 94 Resp: 19762

Ion	Ratio	Lower	Upper
94	100		
79	0.0	30.7	71.5#

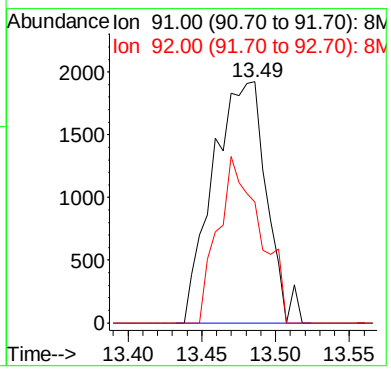


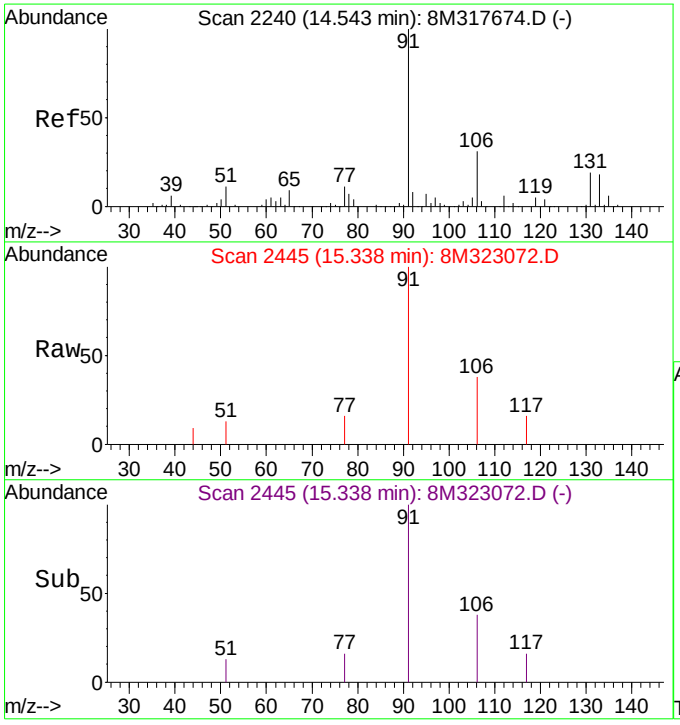


#46
Toluene
Concen: 0.17 ug/L
RT: 13.49 min Scan# 2098
Delta R.T. 0.01 min
Lab File: 8M323072.D
Acq: 14 Oct 2005 8:59

Tgt Ion: 91 Resp: 4829

Ion	Ratio	Lower	Upper
91	100		
92	54.1	36.2	84.6

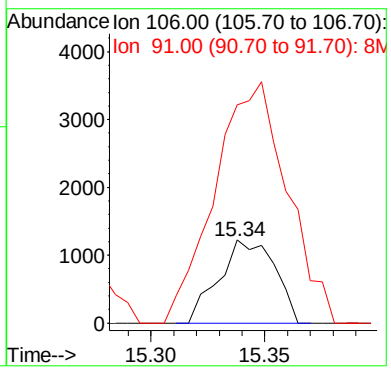


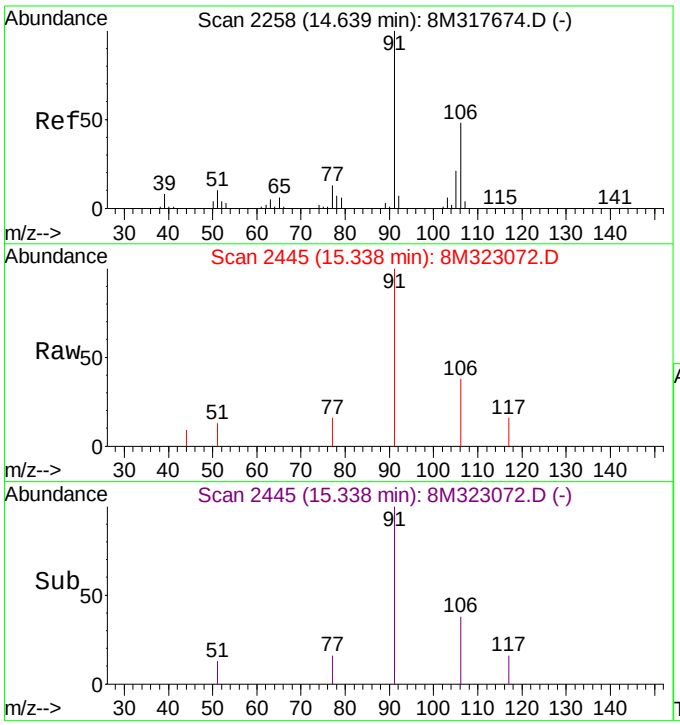


#58
Ethylbenzene
Concen: 0.21 ug/L
RT: 15.34 min Scan# 2445
Delta R.T. -0.01 min
Lab File: 8M323072.D
Acq: 14 Oct 2005 8:59

Tgt Ion:106 Resp: 2081

Ion	Ratio	Lower	Upper
106	100		
91	377.5	191.0	445.6

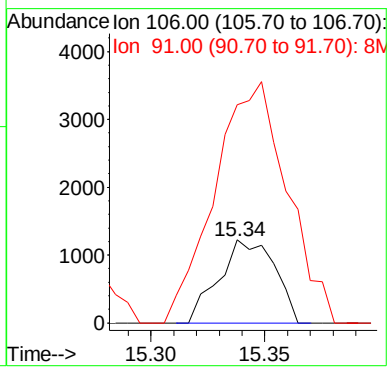




#59
m-,p-Xylene
Concen: 0.66 ug/L
RT: 15.34 min Scan# 2445
Delta R.T. -0.09 min
Lab File: 8M323072.D
Acq: 14 Oct 2005 8:59

Tgt Ion:106 Resp: 2081

Ion	Ratio	Lower	Upper
106	100		
91	377.5	121.7	283.9#



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\101705\11M29679.D Vial: 24
Acq On : 17 Oct 2005 18:08 Operator: CMS
Sample : WG198807-01 VBLK1017 BLANK 8260 Inst : HPMS11
Misc : 7,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:43:25 2005 Quant Results File: 8260BSL.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:43:13 2005
Response via : Initial Calibration
DataAcq Meth : 8260BSL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	10.555	96	754843	50.0000 ug/Kg	0.000
46) Chlorobenzene-d5	14.193	117	589947	50.0000 ug/Kg	0.000
66) 1,4-Dichlorobenzene-d4	17.003	152	314409	50.0000 ug/Kg	0.000

System Monitoring Compounds					
29) Dibromofluoromethane	9.569	111	261202	50.5744279 ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.15%		
34) 1,2-Dichloroethane-d4	10.171	65	348333	50.4529956 ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.91%		
47) Toluene-d8	12.416	98	874861	52.1027996 ug/Kg	0.00
Spiked Amount 50.000	Range 81 - 117		Recovery = 104.21%		
68) p-Bromofluorobenzene	15.586	95	349693	50.5239403 ug/Kg	0.00
Spiked Amount 50.000	Range 74 - 121		Recovery = 101.05%		

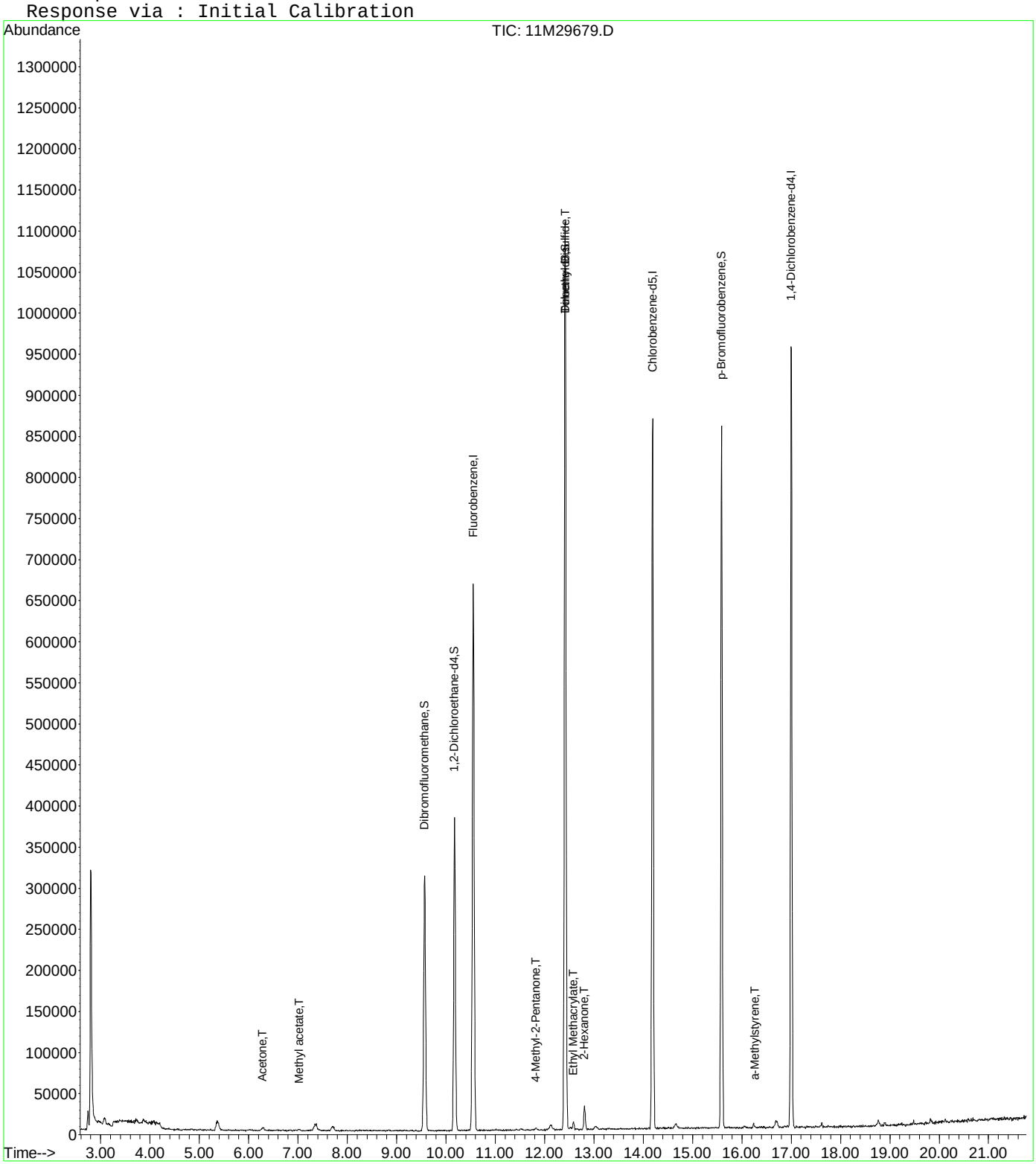
Target Compounds					Qvalue
11) Acetone	6.28	43	8960m	3.4982 ug/Kg	
15) Methyl acetate	7.02	43	3273	0.6186 ug/Kg#	36
43) 4-Methyl-2-Pentanone	11.82	58	1045	3.4243 ug/Kg#	40
45) Dimethyl Disulfide	12.41	79	112	3.4019 ug/Kg#	1
49) Ethyl Methacrylate	12.58	69	6432	3.0336 ug/Kg	86
52) 2-Hexanone	12.81	43	26800	6.9201 ug/Kg	93
76) a-Methylstyrene	16.26	118	139	0.6183 ug/Kg#	67

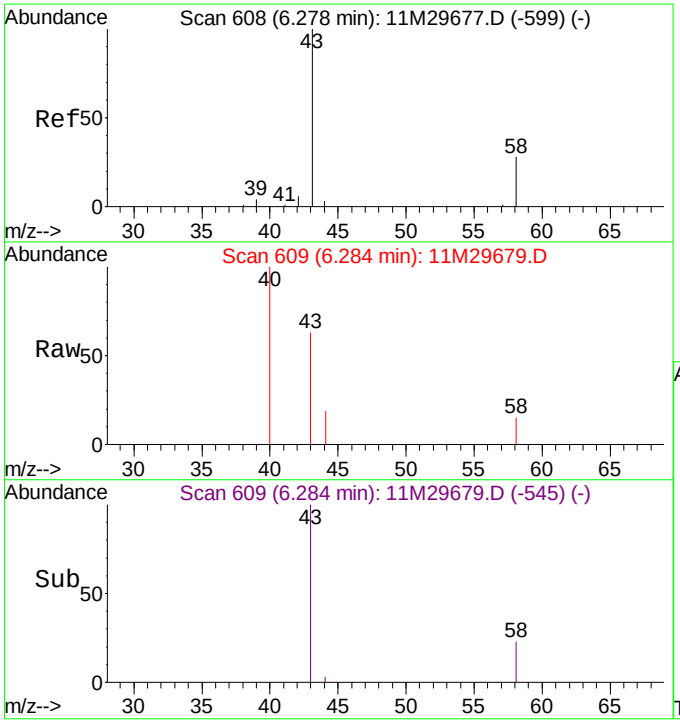
(#) = qualifier out of range (m) = manual integration (+) = signals summed
11M29679.D 8260BSL.M Mon Oct 17 18:44:30 2005 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\101705\11M29679.D Vial: 24
Acq On : 17 Oct 2005 18:08 Operator: CMS
Sample : WG198807-01 VBLK1017 BLANK 8260 Inst : HPMS11
Misc : 7,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:43 2005 Quant Results File: 8260BSL.RES

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:43:13 2005
Response via : Initial Calibration

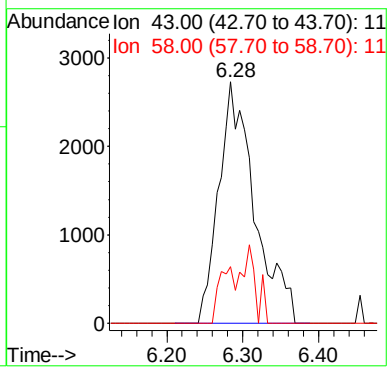


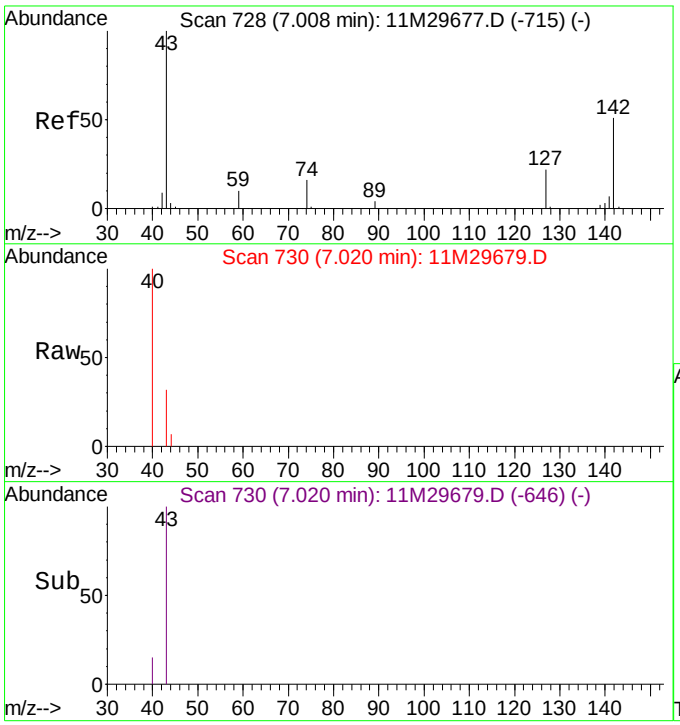


#11
Acetone
Concen: 3.4982 ug/Kg m
RT: 6.28 min Scan# 609
Delta R.T. -0.01 min
Lab File: 11M29679.D
Acq: 17 Oct 2005 18:08

Tgt Ion: 43 Resp: 8960

Ion	Ratio	Lower	Upper
43	100		
58	10.5	19.5	45.5#

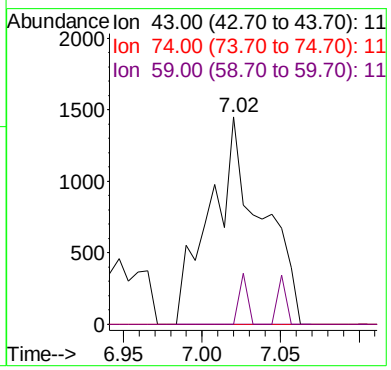


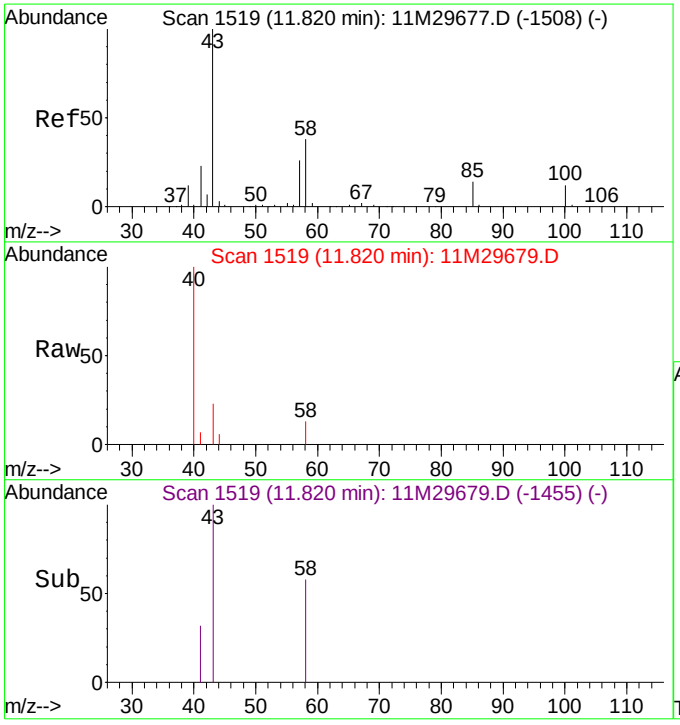


#15
Methyl acetate
Concen: 0.6186 ug/Kg
RT: 7.02 min Scan# 730
Delta R.T. 0.01 min
Lab File: 11M29679.D
Acq: 17 Oct 2005 18:08

Tgt Ion: 43 Resp: 3273

Ion	Ratio	Lower	Upper
43	100		
74	0.0	30.0	70.0#
59	4.0	4.8	11.2#

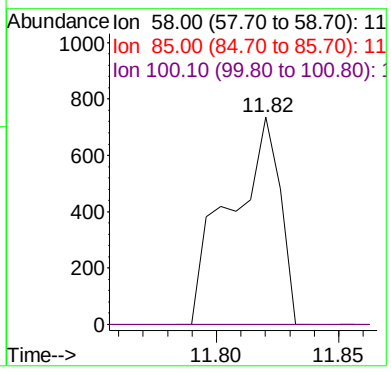


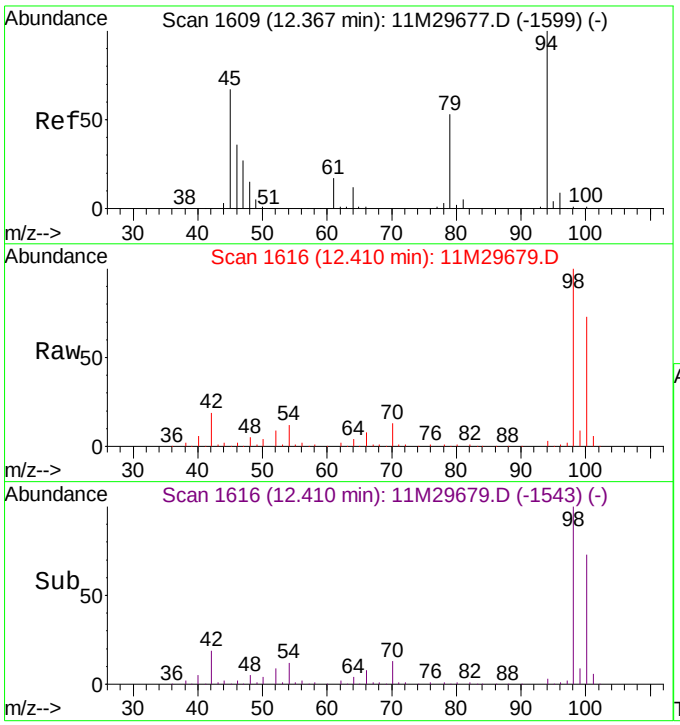


#43
4-Methyl-2-Pentanone
Concen: 3.4243 ug/Kg
RT: 11.82 min Scan# 1519
Delta R.T. -0.01 min
Lab File: 11M29679.D
Acq: 17 Oct 2005 18:08

Tgt Ion: 58 Resp: 1045

Ion	Ratio	Lower	Upper
58	100		
85	0.0	23.6	55.0#
100	0.0	16.7	39.1#

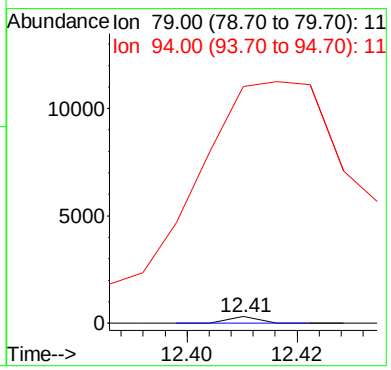


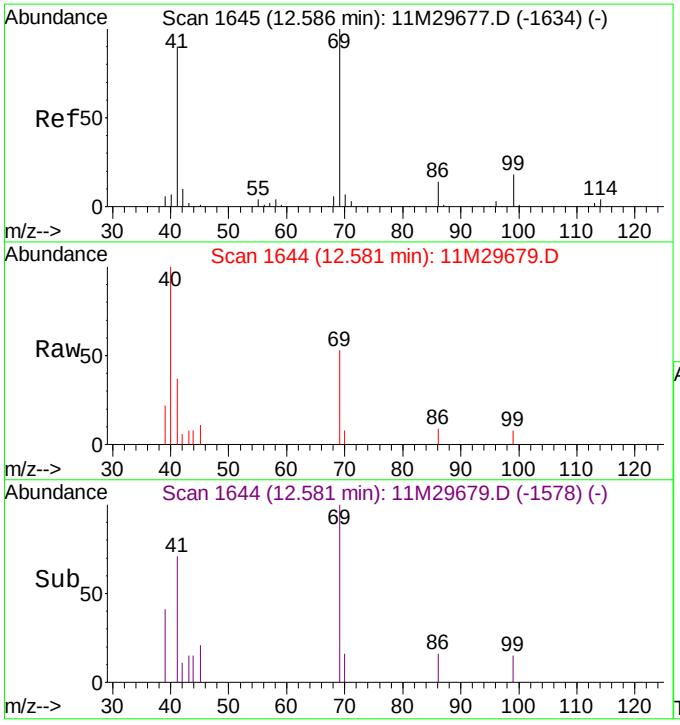


#45
Dimethyl Disulfide
Concen: 3.4019 ug/Kg
RT: 12.41 min Scan# 1616
Delta R.T. 0.04 min
Lab File: 11M29679.D
Acq: 17 Oct 2005 18:08

Tgt Ion: 79 Resp: 112

Ion	Ratio	Lower	Upper
79	100		
94	22485.7	122.8	286.4#

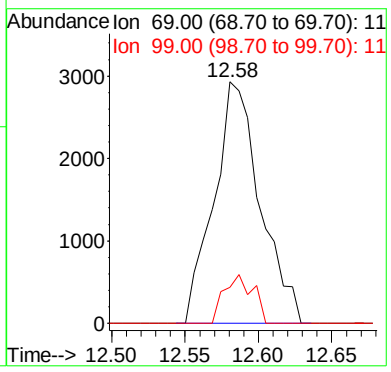


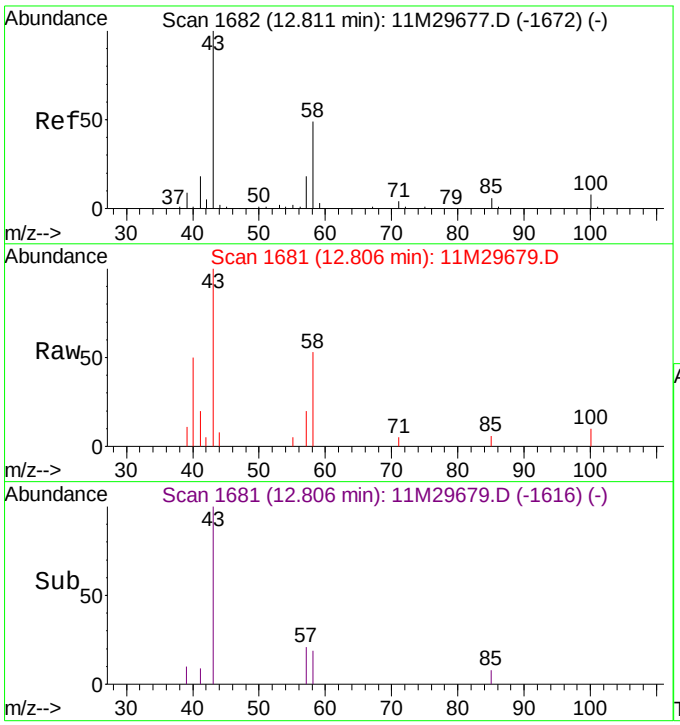


#49
Ethyl Methacrylate
Concen: 3.0336 ug/Kg
RT: 12.58 min Scan# 1644
Delta R.T. 0.00 min
Lab File: 11M29679.D
Acq: 17 Oct 2005 18:08

Tgt Ion: 69 Resp: 6432

Ion	Ratio	Lower	Upper
69	100		
99	12.6	11.3	26.3

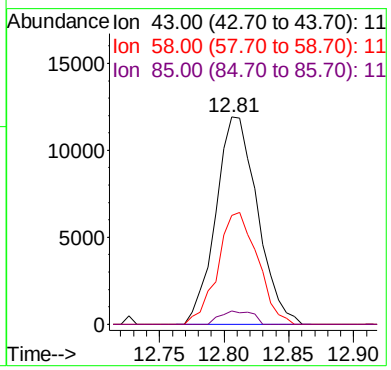


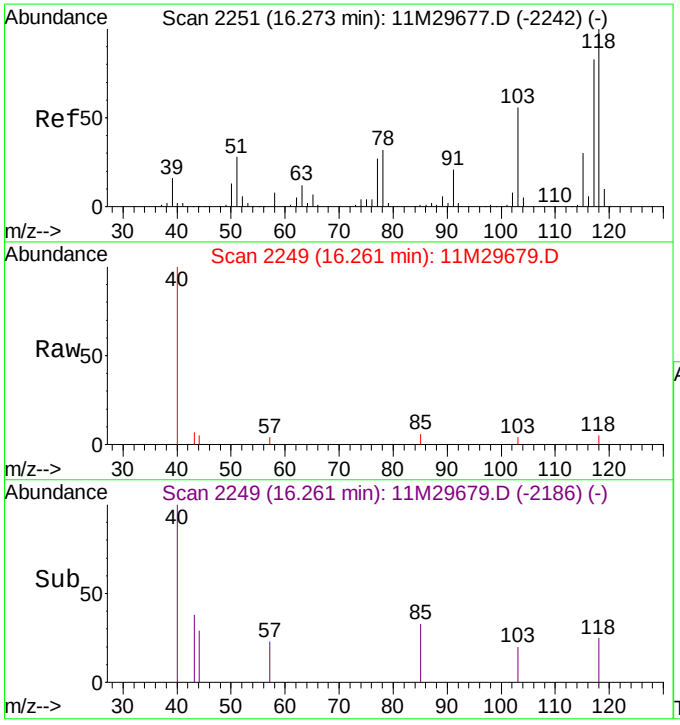


#52
2-Hexanone
Concen: 6.9201 ug/Kg
RT: 12.81 min Scan# 1681
Delta R.T. -0.01 min
Lab File: 11M29679.D
Acq: 17 Oct 2005 18:08

Tgt Ion: 43 Resp: 26800

Ion	Ratio	Lower	Upper
43	100		
58	51.6	34.2	79.8
85	5.0	4.7	10.9

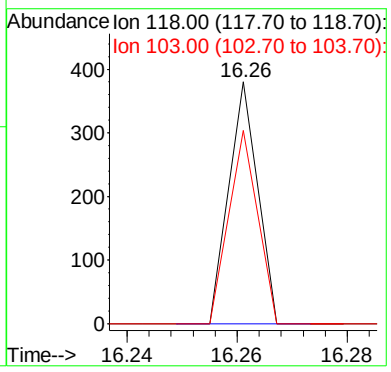




#76
a-Methylstyrene
Concen: 0.6183 ug/Kg
RT: 16.26 min Scan# 2249
Delta R.T. -0.02 min
Lab File: 11M29679.D
Acq: 17 Oct 2005 18:08

Tgt Ion:118 Resp: 139

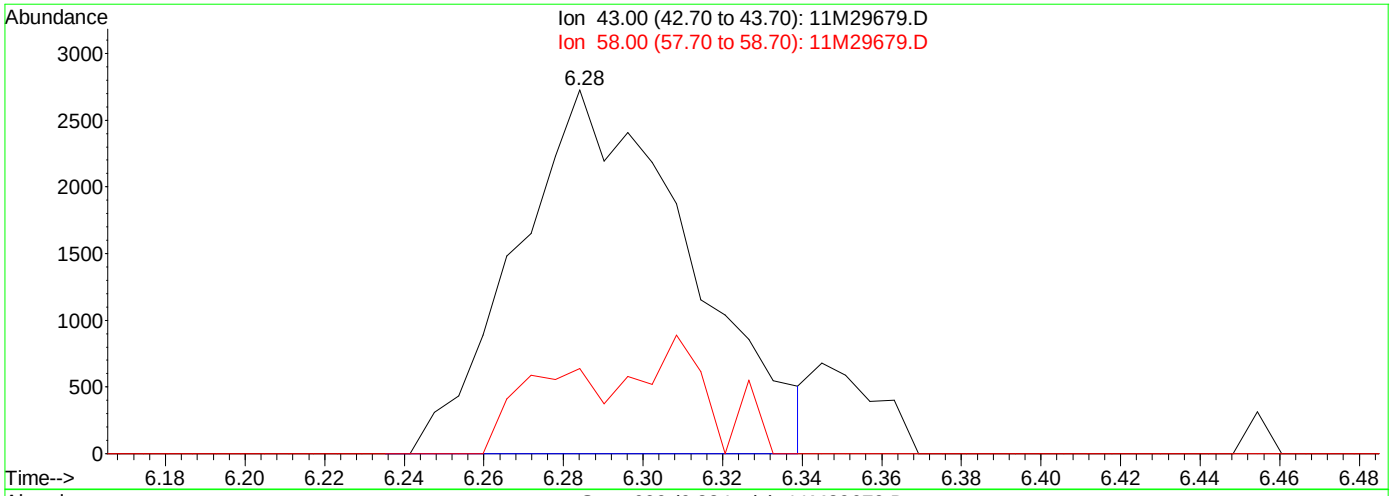
Ion	Ratio	Lower	Upper
118	100		
103	79.9	33.6	78.4#

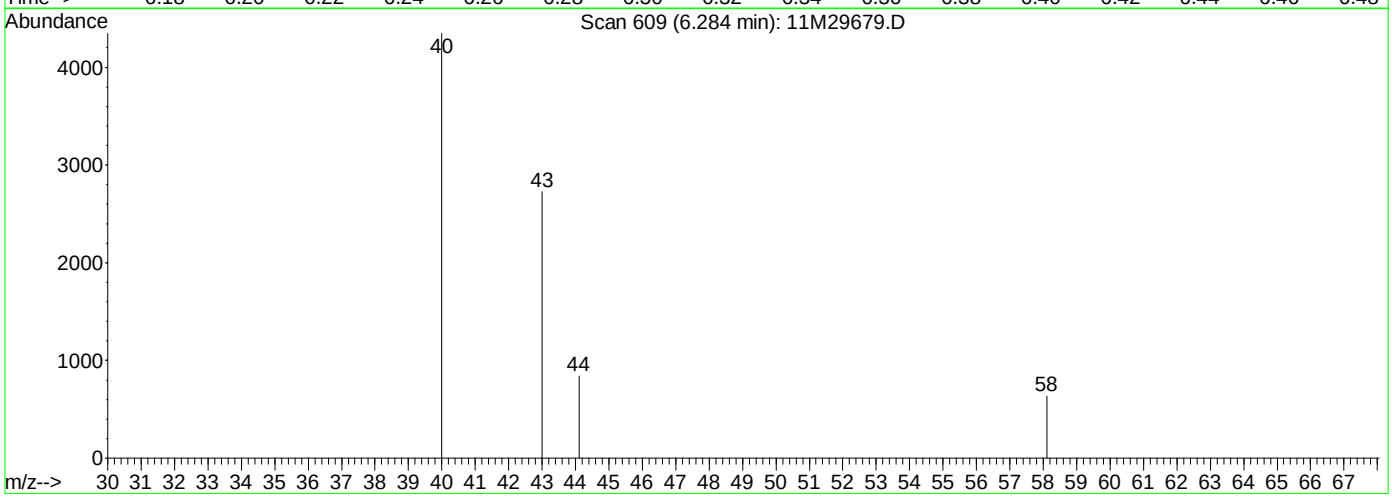


Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101705\11M29679.D Vial: 24
Acq On : 17 Oct 2005 18:08 Operator: CMS
Sample : WG198807-01 VBLK1017 BLANK 8260 Inst : HPMS11
Misc : 7,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:39 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Single Level Calibration





TIC: 11M29679.D

(11) Acetone (T)

6.28min 3.20ug/Kg

response 8207

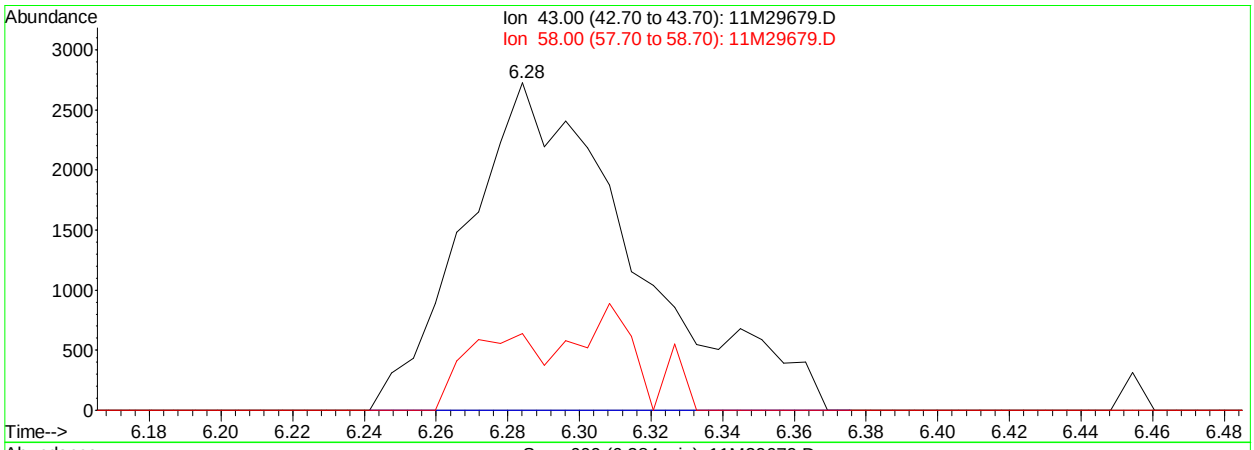
Ion	Exp%	Act%
43.00	100	100
58.00	32.50	11.42#
0.00	0.00	0.00
0.00	0.00	0.00

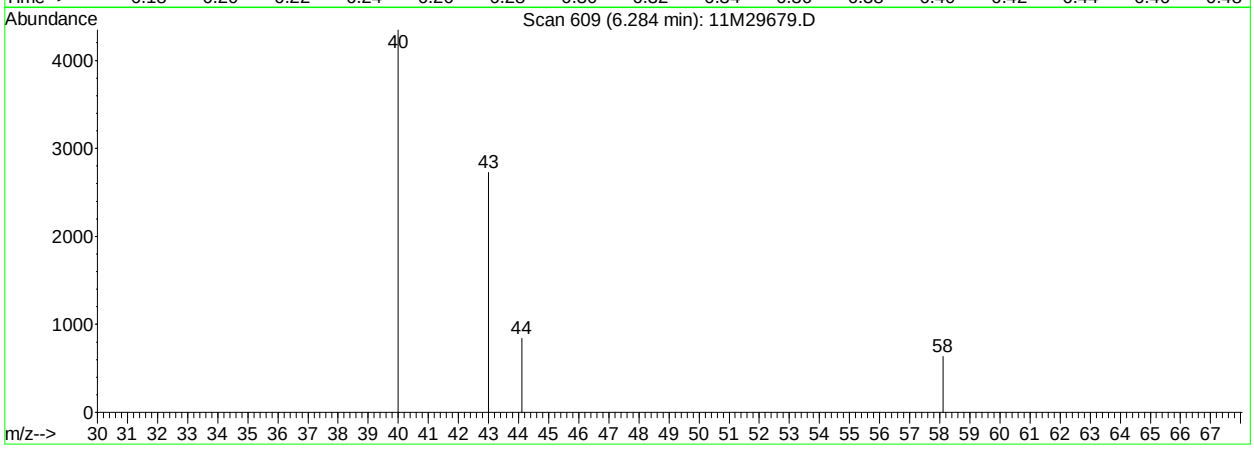
11M29679.D 8260BSL.M Mon Oct 17 18:41:35 2005

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101705\11M29679.D Vial: 24
Acq On : 17 Oct 2005 18:08 Operator: CMS
Sample : WG198807-01 VBLK1017 BLANK 8260 Inst : HPMS11
Misc : 7,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 18:41 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:14:48 2005
Response via : Single Level Calibration





TIC: 11M29679.D

(11) Acetone (T)

6.28min 3.50ug/Kg m

response 8960

Ion	Exp%	Act%
43.00	100	100
58.00	32.50	10.46#
0.00	0.00	0.00
0.00	0.00	0.00

11M29679.D 8260BSL.M Mon Oct 17 18:41:39 2005

Approved: October 18, 2005	Supervisor: October 18, 2005
Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak	
Crystal Stevens	

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\101805\11M29710.D Vial: 10
Acq On : 18 Oct 2005 13:59 Operator: CMS
Sample : WG198872-01 VBLK1018 BLANK 8260 Inst : HPMS11
Misc : 7,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 14:21:24 2005 Quant Results File: 8260BSL.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:43:13 2005
Response via : Initial Calibration
DataAcq Meth : 8260BSL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	10.555	96	680004	50.0000 ug/Kg	0.000
46) Chlorobenzene-d5	14.193	117	532037	50.0000 ug/Kg	0.000
66) 1,4-Dichlorobenzene-d4	17.003	152	284771	50.0000 ug/Kg	0.000

System Monitoring Compounds					
29) Dibromofluoromethane	9.575	111	231321	49.7181209 ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.44%		
34) 1,2-Dichloroethane-d4	10.177	65	321534	51.6968885 ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.39%		
47) Toluene-d8	12.416	98	803904	53.0881209 ug/Kg	0.00
Spiked Amount 50.000	Range 81 - 117		Recovery = 106.18%		
68) p-Bromofluorobenzene	15.586	95	308039	49.1377412 ug/Kg	0.00
Spiked Amount 50.000	Range 74 - 121		Recovery = 98.28%		

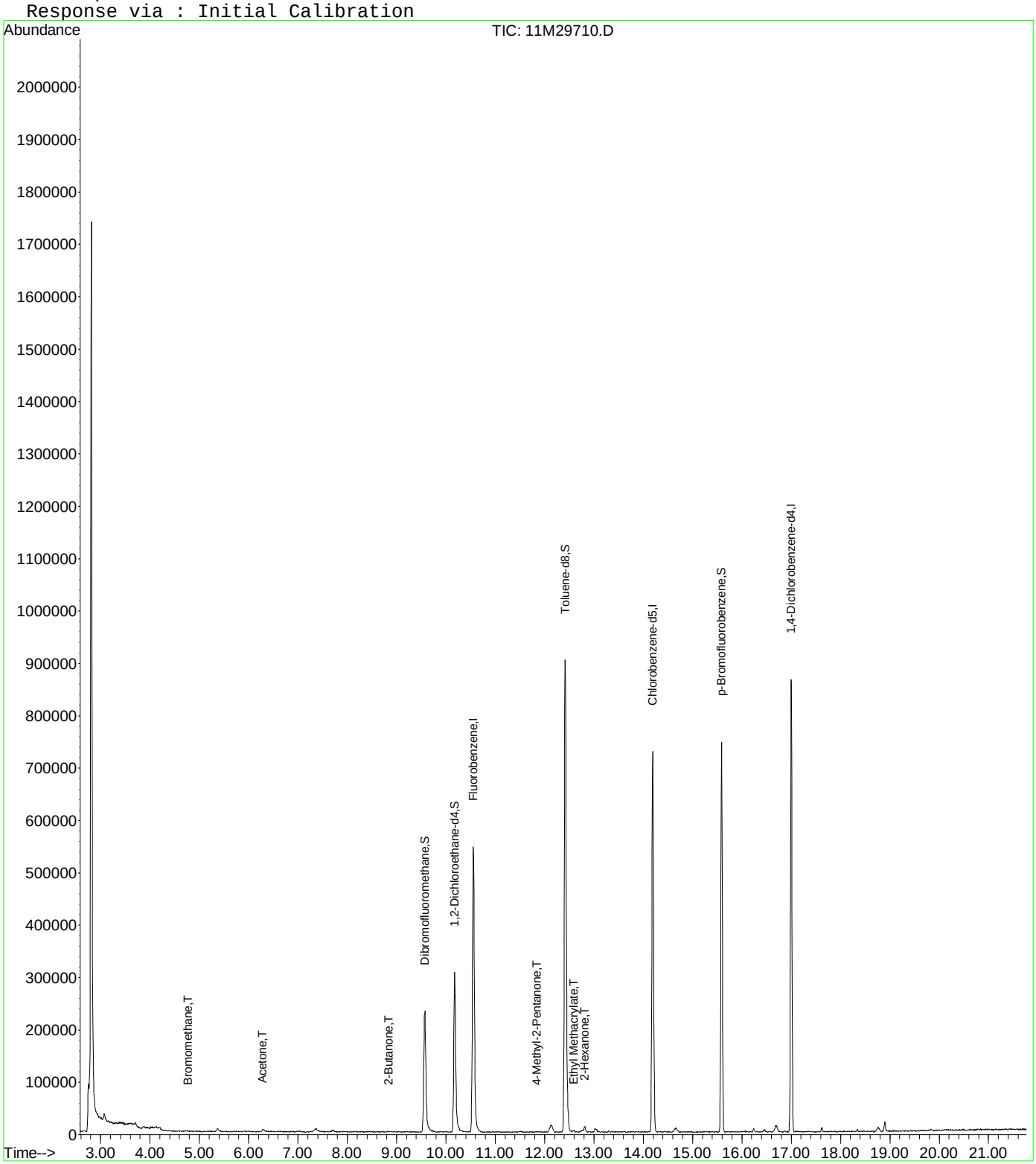
Target Compounds					Qvalue
5) Bromomethane	4.78	94	416	1.6571 ug/Kg	67
11) Acetone	6.29	43	10182	4.4128 ug/Kg#	60
24) 2-Butanone	8.84	43	1806	0.6406 ug/Kg#	51
43) 4-Methyl-2-Pentanone	11.84	58	144	3.0994 ug/Kg#	37
49) Ethyl Methacrylate	12.59	69	3331	2.5874 ug/Kg#	66
52) 2-Hexanone	12.82	43	13399	3.8364 ug/Kg#	82

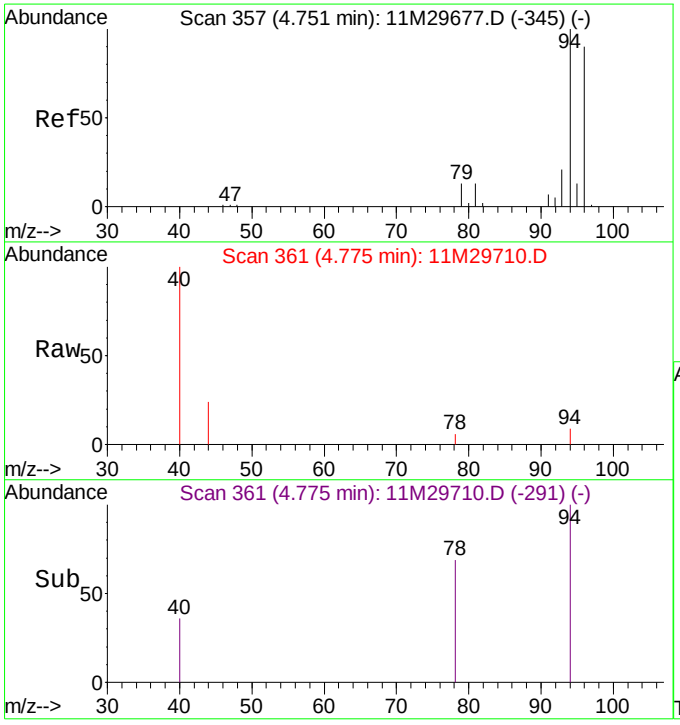
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\101805\11M29710.D Vial: 10
Acq On : 18 Oct 2005 13:59 Operator: CMS
Sample : WG198872-01 VBLK1018 BLANK 8260 Inst : HPMS11
Misc : 7,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 14:21 2005 Quant Results File: 8260BSL.RES

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:43:13 2005
Response via : Initial Calibration

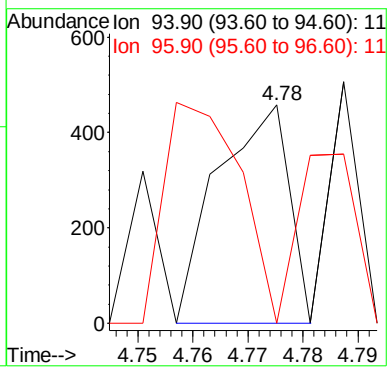


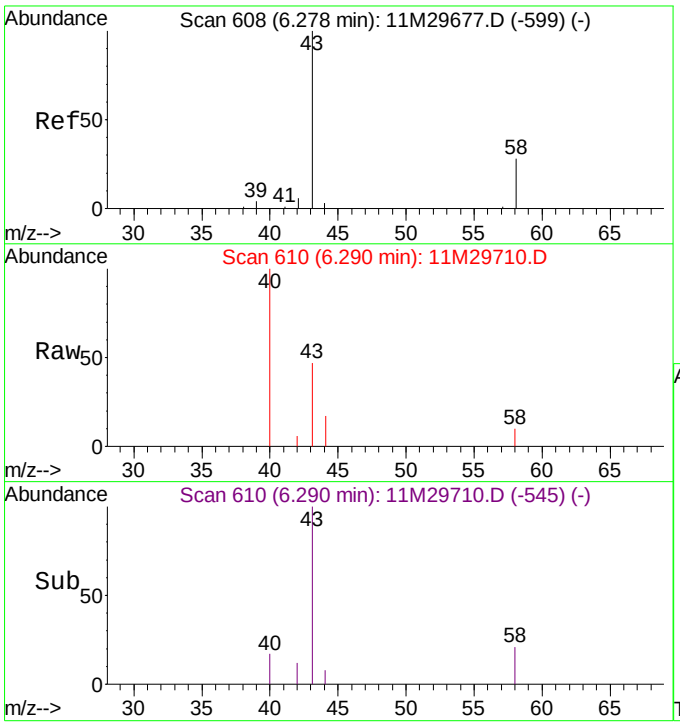


#5
Bromomethane
Concen: 1.6571 ug/Kg
RT: 4.78 min Scan# 361
Delta R.T. 0.02 min
Lab File: 11M29710.D
Acq: 18 Oct 2005 13:59

Tgt Ion: 94 Resp: 416

Ion	Ratio	Lower	Upper
94	100		
96	62.0	56.1	130.9

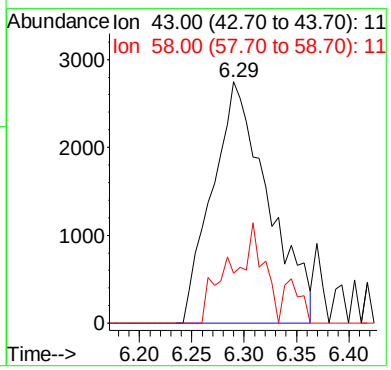


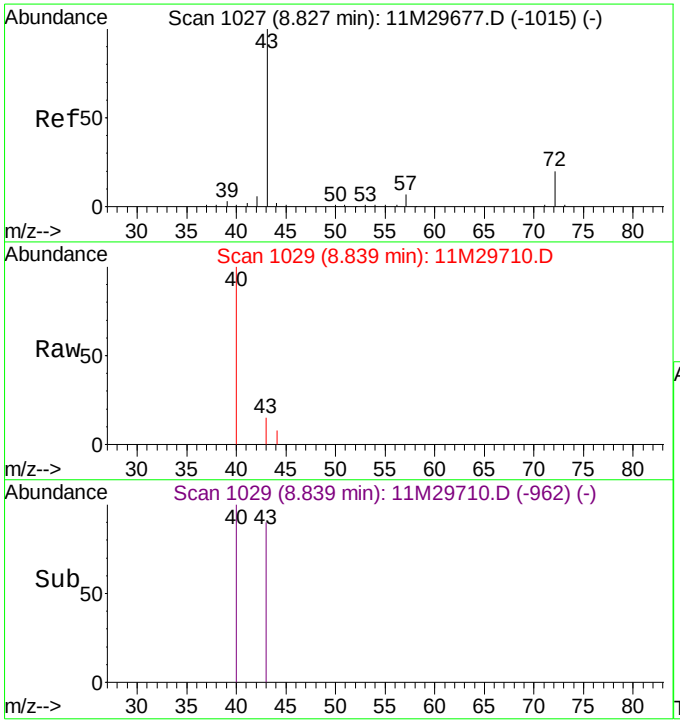


#11
Acetone
Concen: 4.4128 ug/Kg
RT: 6.29 min Scan# 610
Delta R.T. -0.01 min
Lab File: 11M29710.D
Acq: 18 Oct 2005 13:59

Tgt Ion: 43 Resp: 10182

Ion	Ratio	Lower	Upper
43	100		
58	9.9	19.5	45.5#

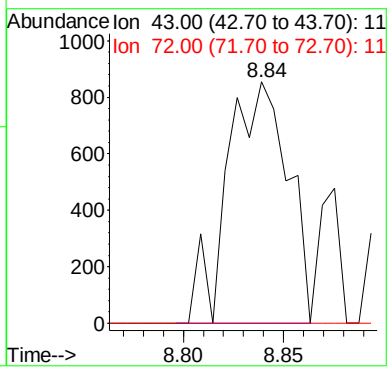


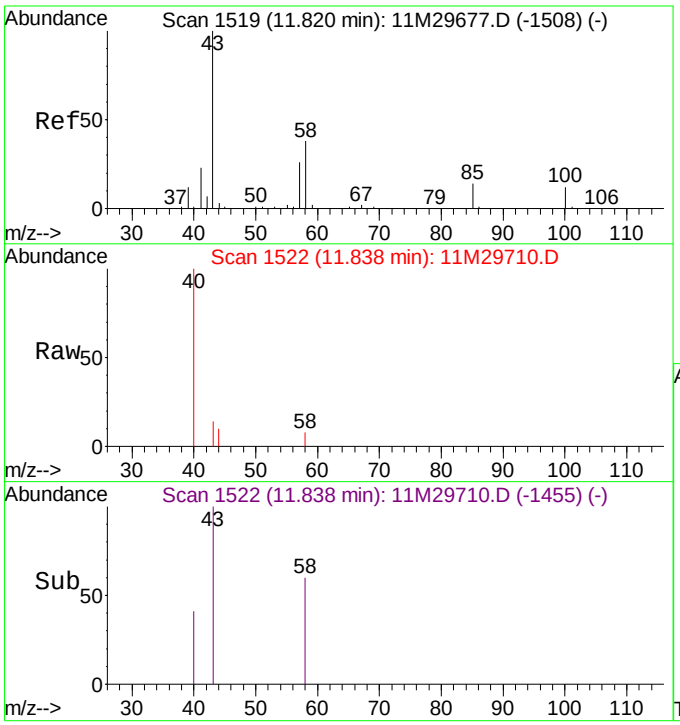


#24
2-Butanone
Concen: 0.6406 ug/Kg
RT: 8.84 min Scan# 1029
Delta R.T. 0.01 min
Lab File: 11M29710.D
Acq: 18 Oct 2005 13:59

Tgt Ion: 43 Resp: 1806

Ion	Ratio	Lower	Upper
43	100		
72	0.0	14.5	33.7#

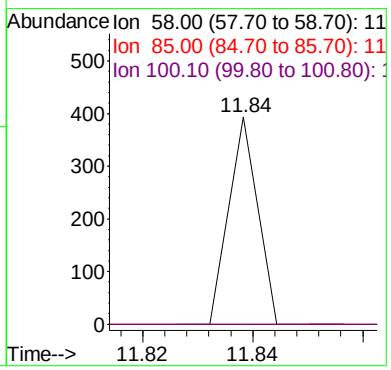


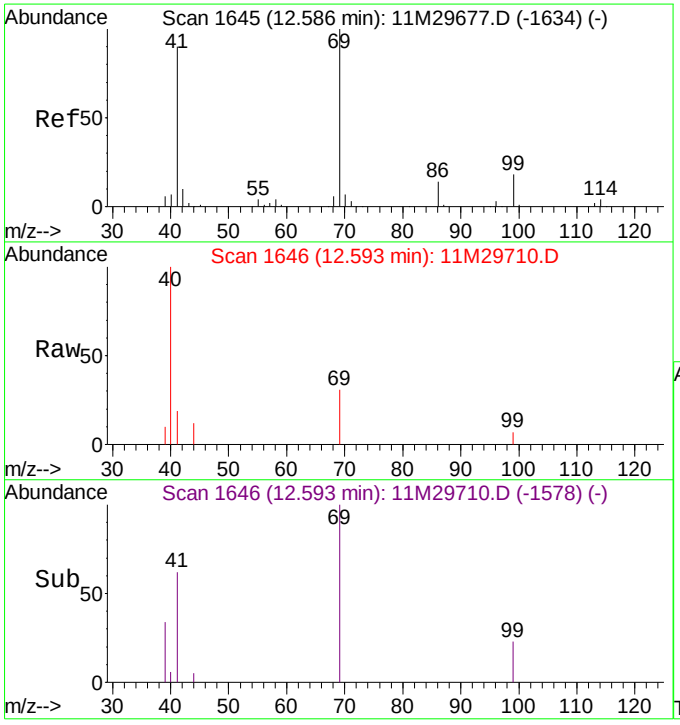


#43
4-Methyl-2-Pentanone
Concen: 3.0994 ug/Kg
RT: 11.84 min Scan# 1522
Delta R.T. 0.01 min
Lab File: 11M29710.D
Acq: 18 Oct 2005 13:59

Tgt Ion: 58 Resp: 144

Ion	Ratio	Lower	Upper
58	100		
85	82.6	23.6	55.0#
100	0.0	16.7	39.1#

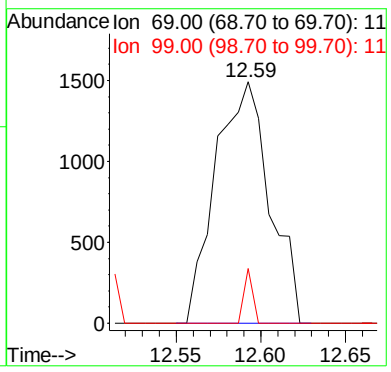


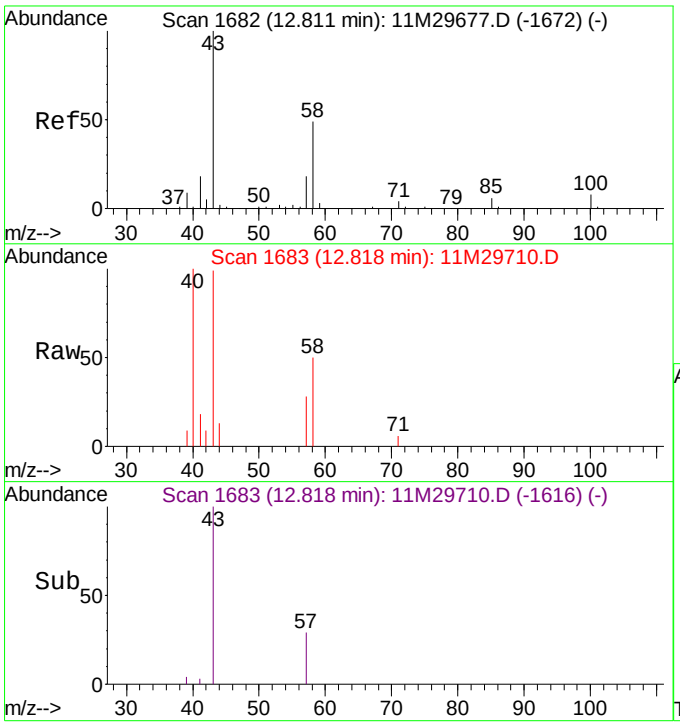


#49
Ethyl Methacrylate
Concen: 2.5874 ug/Kg
RT: 12.59 min Scan# 1646
Delta R.T. 0.01 min
Lab File: 11M29710.D
Acq: 18 Oct 2005 13:59

Tgt Ion: 69 Resp: 3331

Ion	Ratio	Lower	Upper
69	100		
99	3.7	11.3	26.3#

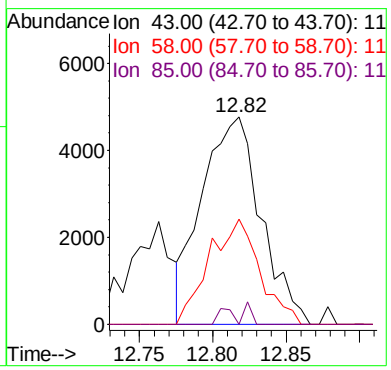




#52
2-Hexanone
Concen: 3.8364 ug/Kg
RT: 12.82 min Scan# 1683
Delta R.T. 0.01 min
Lab File: 11M29710.D
Acq: 18 Oct 2005 13:59

Tgt Ion: 43 Resp: 13399

Ion	Ratio	Lower	Upper
43	100		
58	43.3	34.2	79.8
85	1.9	4.7	10.9#



Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\data\101405\8M323073.D Vial: 5
Acq On : 14 Oct 2005 9:29 Operator: CMS
Sample : WG198627-02 20ug/L LCS STD 8260 Inst : HPMS8
Misc : 1,1 SV14829 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 09:52:15 2005 Quant Results File: 8260BWT.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Initial Calibration
DataAcq Meth : 8260BWT

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	11.40	96	933346	25.00 ug/L	0.00
44) Chlorobenzene-d5	15.28	117	712949	25.00 ug/L	0.00
64) 1,4-Dichlorobenzene-d4	18.30	152	398852	25.00 ug/L	0.00

System Monitoring Compounds					
28) Dibromofluoromethane	10.35	111	200523	26.1949 ug/L	0.00
Spiked Amount 25.000	Range 86 - 118		Recovery = 104.76%		
33) 1,2-Dichloroethane-d4	10.98	65	233169	28.6757 ug/L	0.00
Spiked Amount 25.000	Range 80 - 120		Recovery = 114.72%		
45) Toluene-d8	13.38	98	712865	25.8136 ug/L	0.00
Spiked Amount 25.000	Range 88 - 110		Recovery = 103.24%		
66) p-Bromofluorobenzene	16.77	95	301523	26.9471 ug/L	0.00
Spiked Amount 25.000	Range 86 - 115		Recovery = 107.80%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.64	85	181579	15.6851 ug/L	94
3) Chloromethane	4.17	50	134009	17.4226 ug/L	97
4) Vinyl Chloride	4.42	62	101866	19.5359 ug/L	99
5) Bromomethane	5.38	94	80313	14.9584 ug/L	99
6) Chloroethane	5.55	64	106640	19.4339 ug/L	95
7) Trichlorofluoromethane	6.06	101	283689	18.7758 ug/L	99
10) 1,1,2-Trichloro-1,2,2-Trif	6.85	101	150053	18.1208 ug/L	94
11) Acetone	6.92	43	28763	24.4265 ug/L	90
12) 1,1-Dichloroethene	7.16	61	242020	20.7949 ug/L	89
14) Iodomethane	7.69	142	133879	17.7558 ug/L	90
15) Methylene Chloride	7.94	84	148149	20.8737 ug/L	79
16) Carbon Disulfide	8.01	76	417281	20.4695 ug/L	100
17) Acrylonitrile	8.16	53	4308	2.8454 ug/L #	13
18) Methyl Tert Butyl Ether	8.16	73	304781	22.5058 ug/L	98
19) trans-1,2-Dichloroethene	8.40	61	244393	21.9811 ug/L	89
20) n-Hexane	8.48	57	134770	15.0351 ug/L	96
21) Vinyl Acetate	8.97	43	165029	15.0670 ug/L	96
22) 1,1-Dichloroethane	9.02	63	293900	21.9501 ug/L	99
23) 2-Butanone	9.55	43	34217	22.3663 ug/L	95
24) 2,2-Dichloropropane	9.79	77	246791	20.8766 ug/L	99
25) cis-1,2-Dichloroethene	9.85	61	247462	21.3895 ug/L	97
26) Chloroform	10.07	83	300477	22.2693 ug/L	99
27) Bromochloromethane	10.30	130	89846	22.3039 ug/L	88
29) 1,1,1-Trichloroethane	10.60	97	277711	21.2633 ug/L	91
30) Cyclohexane	10.65	56	270127	22.1529 ug/L	95
31) 1,1-Dichloropropene	10.80	75	217117	21.7079 ug/L	96
32) Carbon Tetrachloride	10.95	117	253303	21.7211 ug/L	99
34) 1,2-Dichloroethane	11.11	62	236534	23.6614 ug/L	98
35) Benzene	11.16	78	608101	22.5354 ug/L	97
36) Trichloroethene	11.90	130	154245	20.5909 ug/L	95
37) 1,2-Dichloropropane	12.12	63	152527	22.1231 ug/L	91
38) Bromodichloromethane	12.41	83	209158	22.6922 ug/L	100
39) Dibromomethane	12.51	93	78080	23.6714 ug/L	85
40) 2-Chloroethyl Vinyl Ether	12.69	63	58929	18.8101 ug/L	98
41) 4-Methyl-2-Pentanone	12.72	58	31785	22.6916 ug/L	97
42) cis-1,3-Dichloropropene	13.04	75	236269	19.9863 ug/L	97
43) Dimethyl Disulfide	13.38	94	20865	1.7604 ug/L #	27
46) Toluene	13.48	91	660077	21.4746 ug/L	99
48) trans-1,3-Dichloropropene	13.64	75	212814	22.2788 ug/L	95
49) 1,1,2-Trichloroethane	13.86	97	108735	22.4075 ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\data\101405\8M323073.D Vial: 5
Acq On : 14 Oct 2005 9:29 Operator: CMS
Sample : WG198627-02 20ug/L LCS STD 8260 Inst : HPMS8
Misc : 1,1 SV14829 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 09:52:15 2005 Quant Results File: 8260BWT.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Initial Calibration
DataAcq Meth : 8260BWT

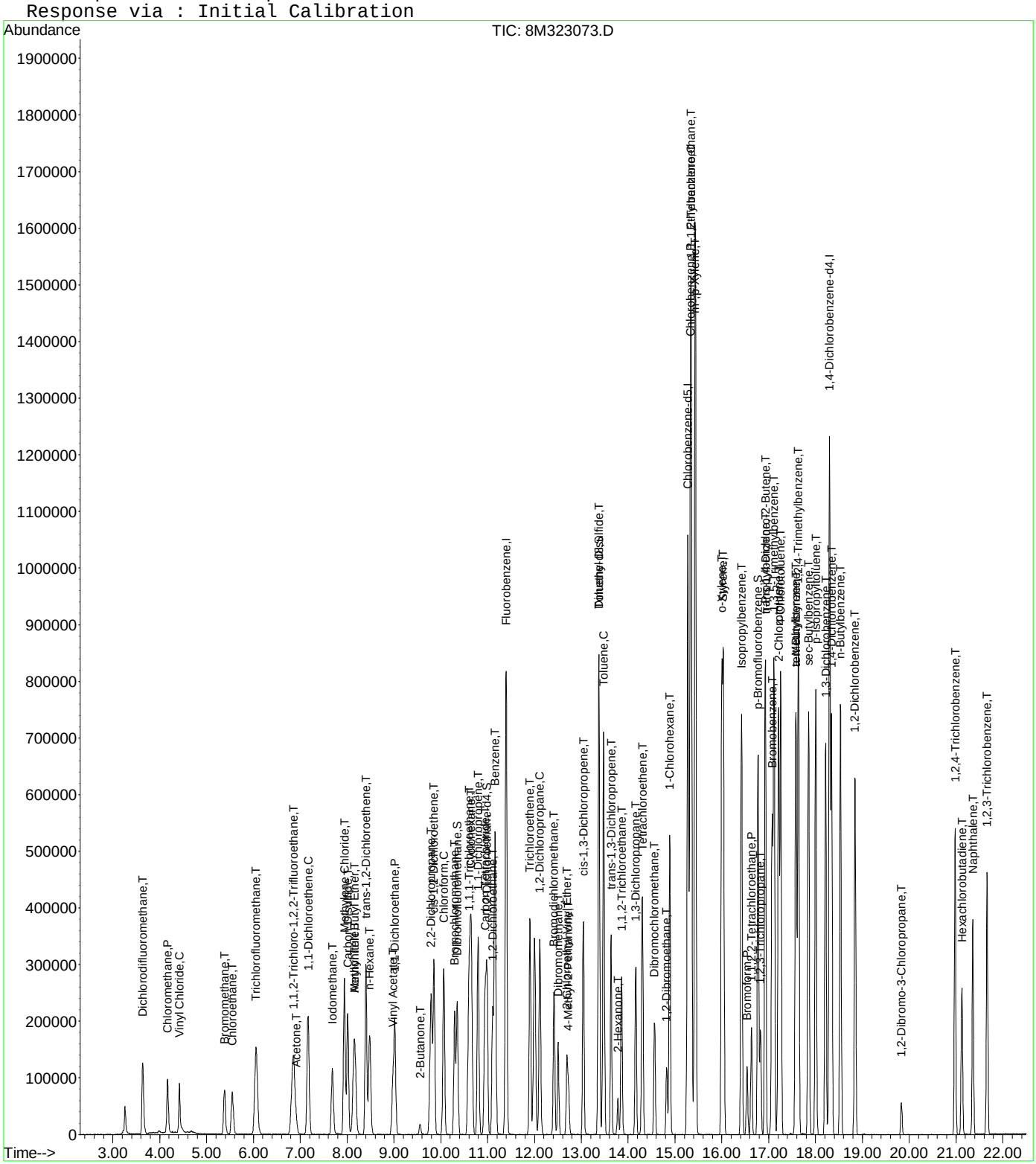
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
50)	2-Hexanone	13.78	43	58530	23.8159 ug/L #	92
51)	1,3-Dichloropropane	14.17	76	188959	22.3786 ug/L	81
52)	Tetrachloroethene	14.30	164	121130	19.8447 ug/L	85
53)	Dibromochloromethane	14.56	129	135214	20.2727 ug/L	100
54)	1,2-Dibromoethane	14.82	107	101695	22.4108 ug/L	99
55)	1-Chlorohexane	14.89	91	189943	17.9655 ug/L	78
56)	Chlorobenzene	15.32	112	439415	21.5294 ug/L	91
57)	1,1,1,2-Tetrachloroethane	15.35	131	158494	22.9457 ug/L	100
58)	Ethylbenzene	15.34	106	245716	22.7643 ug/L	98
59)	m-,p-Xylene	15.44	106	602936	39.2552 ug/L	96
60)	o-Xylene	16.00	106	283432	22.0272 ug/L	94
61)	Styrene	16.03	104	484388	19.2773 ug/L	91
62)	Bromoform	16.54	173	73881	19.6459 ug/L	98
63)	Isopropylbenzene	16.42	105	676599	18.1975 ug/L	97
65)	1,1,2,2-Tetrachloroethane	16.63	83	118057	23.1544 ug/L	99
67)	1,2,3-Trichloropropane	16.83	110	38386	23.7744 ug/L #	1
68)	trans-1,4-Dichloro-2-Buten	16.93	53	5180	2.5512 ug/L #	1
69)	n-Propylbenzene	16.93	91	891145	21.6255 ug/L	98
70)	Bromobenzene	17.07	156	176230	22.0831 ug/L #	40
71)	1,3,5-Trimethylbenzene	17.11	105	647493	19.7701 ug/L	95
72)	2-Chlorotoluene	17.21	91	599761	22.2059 ug/L	97
73)	4-Chlorotoluene	17.26	91	581400	21.0995 ug/L	98
74)	a-Methylstyrene	17.58	118	8344	0.4729 ug/L #	1
75)	tert-Butylbenzene	17.58	134	118804	20.2070 ug/L	82
76)	1,2,4-Trimethylbenzene	17.63	105	680525	21.5049 ug/L	96
77)	sec-Butylbenzene	17.85	105	732912	21.0028 ug/L	98
78)	p-Isopropyltoluene	18.00	119	610332	18.5670 ug/L	98
79)	1,3-Dichlorobenzene	18.22	146	354755	20.9576 ug/L	94
80)	1,4-Dichlorobenzene	18.34	146	367455	20.5776 ug/L	92
81)	n-Butylbenzene	18.53	91	571621	21.0527 ug/L	97
82)	1,2-Dichlorobenzene	18.85	146	322781	21.6850 ug/L	94
83)	1,2-Dibromo-3-Chloropropan	19.83	75	19991	21.2640 ug/L	96
84)	1,2,4-Trichlorobenzene	20.98	180	198468	20.0569 ug/L	99
85)	Hexachlorobutadiene	21.12	225	64190	17.2435 ug/L	91
86)	Naphthalene	21.36	128	372579	20.6824 ug/L	99
87)	1,2,3-Trichlorobenzene	21.66	180	173562	20.3897 ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\data\101405\8M323073.D Vial: 5
Acq On : 14 Oct 2005 9:29 Operator: CMS
Sample : WG198627-02 20ug/L LCS STD 8260 Inst : HPMS8
Misc : 1,1 SV14829 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 9:52 2005 Quant Results File: 8260BWT.RES

Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\101705\11M29680.D Vial: 25
Acq On : 17 Oct 2005 18:41 Operator: CMS
Sample : WG198807-02 20ug/Kg LCS STD 8260 Inst : HPMS11
Misc : 7,1 SV14829 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 19:03:05 2005 Quant Results File: 8260BSL.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:43:13 2005
Response via : Initial Calibration
DataAcq Meth : 8260BSL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	10.554	96	735370	50.0000 ug/Kg	0.000
46) Chlorobenzene-d5	14.192	117	581988	50.0000 ug/Kg	0.000
66) 1,4-Dichlorobenzene-d4	17.003	152	314009	50.0000 ug/Kg	0.000

System Monitoring Compounds					
29) Dibromofluoromethane	9.569	111	252316	50.1475818 ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.30%		
34) 1,2-Dichloroethane-d4	10.171	65	333445	49.5755191 ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.15%		
47) Toluene-d8	12.416	98	847493	51.1631282 ug/Kg	0.00
Spiked Amount 50.000	Range 81 - 117		Recovery = 102.33%		
68) p-Bromofluorobenzene	15.586	95	349466	50.5554612 ug/Kg	0.00
Spiked Amount 50.000	Range 74 - 121		Recovery = 101.11%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.13	85	157581	19.5248 ug/Kg	95
3) Chloromethane	3.62	50	154466	18.1742 ug/Kg	98
4) Vinyl Chloride	3.83	62	103141	17.1566 ug/Kg	99
5) Bromomethane	4.76	94	70031	21.3193 ug/Kg	100
6) Chloroethane	4.91	64	98582	22.4119 ug/Kg	97
7) Trichlorofluoromethane	5.41	101	221378	21.6128 ug/Kg	98
10) 1,1,2-Trichloro-1,2,2-Trif	6.17	101	115233	20.1275 ug/Kg	83
11) Acetone	6.28	43	49620	19.8857 ug/Kg	93
12) 1,1-Dichloroethene	6.48	96	105227	22.0719 ug/Kg	71
14) Iodomethane	6.99	142	70755	20.0390 ug/Kg	98
15) Methyl acetate	7.01	43	110735	21.4821 ug/Kg#	53
16) Methylene Chloride	7.25	84	114022	21.6487 ug/Kg	60
17) Carbon Disulfide	7.30	76	328060	19.6619 ug/Kg	99
18) Acrylonitrile	7.45	53	3861	1.5874 ug/Kg#	15
19) Methyl Tert Butyl Ether	7.46	73	278710	20.7151 ug/Kg	94
20) trans-1,2-Dichloroethene	7.70	96	111676	21.7447 ug/Kg	75
21) n-Hexane	7.76	57	153783	15.4943 ug/Kg	94
22) Vinyl Acetate	8.25	43	167654	13.2787 ug/Kg	95
23) 1,1-Dichloroethane	8.29	63	240971	21.7030 ug/Kg	98
24) 2-Butanone	8.83	43	52949	17.3678 ug/Kg	84
25) 2,2-Dichloropropane	9.03	77	186861	22.4542 ug/Kg	96
26) cis-1,2-Dichloroethene	9.09	96	117823	22.4255 ug/Kg	59
27) Chloroform	9.30	83	202719	21.5484 ug/Kg	99
28) Bromochloromethane	9.51	130	71125	21.9057 ug/Kg	95
30) 1,1,1-Trichloroethane	9.79	97	188135	22.2901 ug/Kg	88
31) Cyclohexane	9.82	56	244334	22.3385 ug/Kg	87
32) 1,1-Dichloropropene	9.98	75	164678	22.5479 ug/Kg	94
33) Carbon Tetrachloride	10.13	117	164891	21.4772 ug/Kg	96
35) 1,2-Dichloroethane	10.29	62	191205	21.6218 ug/Kg	94
36) Benzene	10.32	78	441940	22.1703 ug/Kg	100
37) Trichloroethene	11.04	130	119940	21.6252 ug/Kg	91
38) Methylcyclohexane	11.11	83	184457	21.5067 ug/Kg	77
39) 1,2-Dichloropropane	11.24	63	122538	21.3296 ug/Kg	95
40) Bromodichloromethane	11.52	83	141087	21.5723 ug/Kg	97
41) Dibromomethane	11.61	93	62659	21.8792 ug/Kg#	82
42) 2-Chloroethyl Vinyl Ether	11.80	63	8012	22.3739 ug/Kg	87
43) 4-Methyl-2-Pentanone	11.82	58	40119	18.2558 ug/Kg	95
44) cis-1,3-Dichloropropene	12.11	75	171535	22.0309 ug/Kg	93
45) Dimethyl Disulfide	12.42	79	260	3.4323 ug/Kg#	1
48) Toluene	12.51	91	458718	22.1590 ug/Kg	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\101705\11M29680.D Vial: 25
Acq On : 17 Oct 2005 18:41 Operator: CMS
Sample : WG198807-02 20ug/Kg LCS STD 8260 Inst : HPMS11
Misc : 7,1 SV14829 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 19:03:05 2005 Quant Results File: 8260BSL.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:43:13 2005
Response via : Initial Calibration
DataAcq Meth : 8260BSL

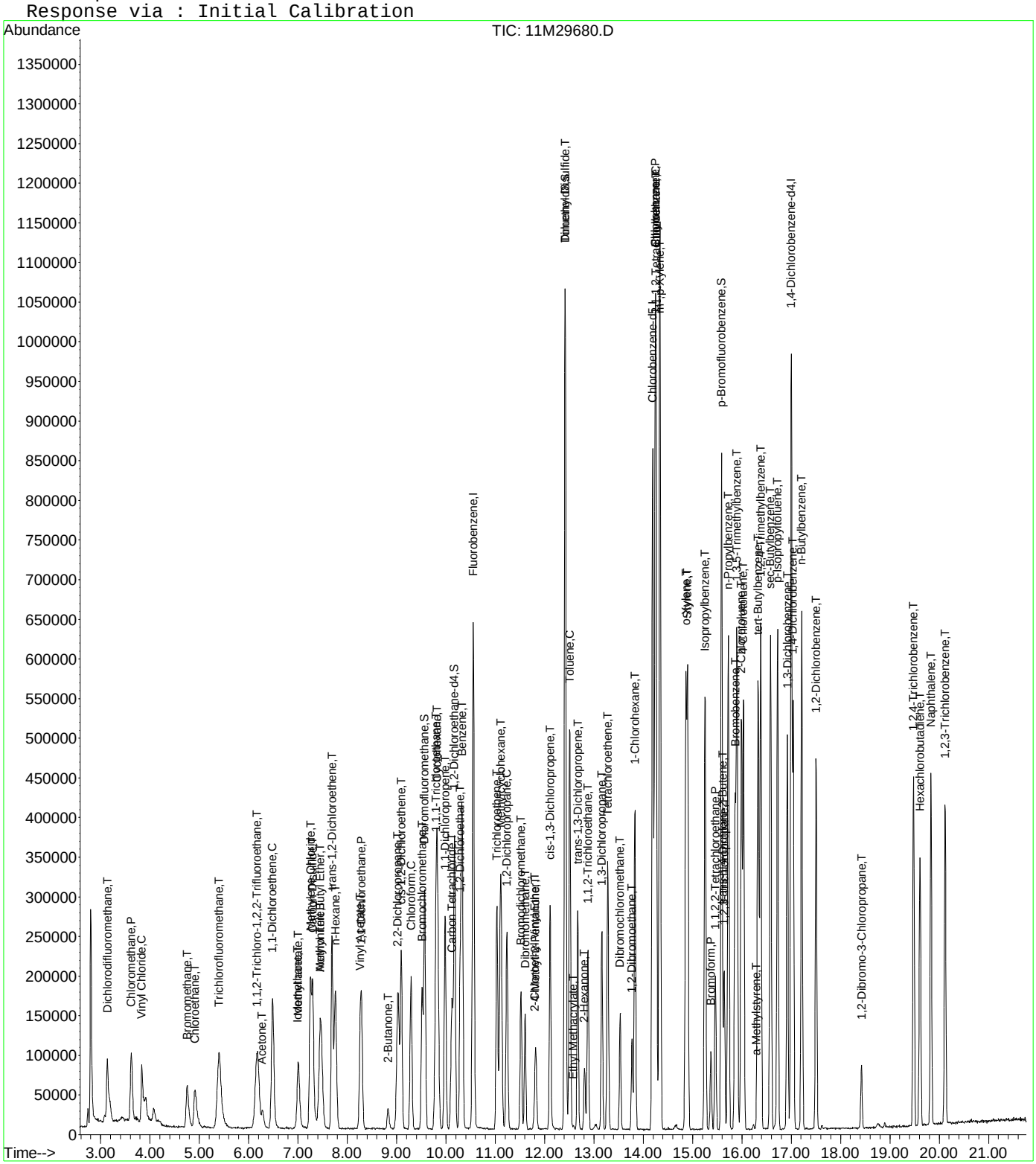
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
49)	Ethyl Methacrylate	12.59	69	2857	2.4574	ug/Kg#	77
50)	trans-1,3-Dichloropropene	12.67	75	158771	21.5322	ug/Kg	95
51)	1,1,2-Trichloroethane	12.88	97	84762	21.1663	ug/Kg	96
52)	2-Hexanone	12.81	43	73863	19.3333	ug/Kg	93
53)	1,3-Dichloropropane	13.16	76	155450	21.2599	ug/Kg	76
54)	Tetrachloroethene	13.29	164	99204	21.7586	ug/Kg	93
55)	Dibromochloromethane	13.54	129	101139	21.4861	ug/Kg	98
56)	1,2-Dibromoethane	13.77	107	96462	21.6048	ug/Kg	97
57)	1-Chlorohexane	13.83	91	148095	21.9484	ug/Kg	72
58)	Chlorobenzene	14.24	112	312302	21.5795	ug/Kg	99
59)	1,1,1,2-Tetrachloroethane	14.27	131	103532	22.2826	ug/Kg	97
60)	Ethylbenzene	14.25	106	178012	22.3994	ug/Kg	81
61)	m-,p-Xylene	14.34	106	436339	46.5788	ug/Kg	83
62)	o-Xylene	14.87	91	417687	22.7578	ug/Kg	89
63)	Styrene	14.90	104	340789	22.5202	ug/Kg	91
64)	Bromoform	15.37	173	60672	18.6677	ug/Kg	99
65)	Isopropylbenzene	15.25	105	508147	21.6417	ug/Kg	99
67)	1,1,2,2-Tetrachloroethane	15.46	83	120463	20.6759	ug/Kg	97
69)	1,2,3-Trichloropropane	15.64	110	41239	22.4440	ug/Kg#	41
70)	trans-1,4-Dichloro-2-Buten	15.62	53	110	2.7805	ug/Kg#	1
71)	n-Propylbenzene	15.73	91	633480	22.4070	ug/Kg	90
72)	Bromobenzene	15.86	156	133110	22.7184	ug/Kg	63
73)	1,3,5-Trimethylbenzene	15.90	105	470335	23.2765	ug/Kg	97
74)	2-Chlorotoluene	15.99	91	389309	22.8142	ug/Kg	90
75)	4-Chlorotoluene	16.03	91	364534	21.8354	ug/Kg	89
76)	a-Methylstyrene	16.29	118	248	0.6273	ug/Kg#	23
77)	tert-Butylbenzene	16.33	134	97010	22.4898	ug/Kg#	61
78)	1,2,4-Trimethylbenzene	16.38	105	471405	22.5938	ug/Kg	98
79)	sec-Butylbenzene	16.58	105	623310	23.0718	ug/Kg	98
80)	p-Isopropyltoluene	16.72	119	496397	22.1185	ug/Kg	99
81)	1,3-Dichlorobenzene	16.92	146	251361	21.1165	ug/Kg	95
82)	1,4-Dichlorobenzene	17.04	146	259872	21.5213	ug/Kg	94
83)	n-Butylbenzene	17.22	91	473847	23.1527	ug/Kg	90
84)	1,2-Dichlorobenzene	17.51	146	238600	21.3515	ug/Kg	92
85)	1,2-Dibromo-3-Chloropropan	18.43	75	25206	21.0371	ug/Kg	89
86)	1,2,4-Trichlorobenzene	19.48	180	170935	22.0798	ug/Kg	95
87)	Hexachlorobutadiene	19.61	225	80685	22.7540	ug/Kg	92
88)	Naphthalene	19.83	128	436757	22.2143	ug/Kg	99
89)	1,2,3-Trichlorobenzene	20.12	180	158516	21.6492	ug/Kg	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\101705\11M29680.D Vial: 25
Acq On : 17 Oct 2005 18:41 Operator: CMS
Sample : WG198807-02 20ug/Kg LCS STD 8260 Inst : HPMS11
Misc : 7,1 SV14829 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 19:03 2005 Quant Results File: 8260BSL.RES

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:43:13 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\101805\11M29711.D Vial: 11
Acq On : 18 Oct 2005 14:29 Operator: CMS
Sample : WG198872-02 20ug/Kg LCS STD 8260 Inst : HPMS11
Misc : 7,1 SV14829 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 14:51:05 2005 Quant Results File: 8260BSL.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:43:13 2005
Response via : Initial Calibration
DataAcq Meth : 8260BSL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	10.554	96	661142	50.0000 ug/Kg	0.000
46) Chlorobenzene-d5	14.192	117	533808	50.0000 ug/Kg	0.000
66) 1,4-Dichlorobenzene-d4	17.003	152	286834	50.0000 ug/Kg	0.000

System Monitoring Compounds					
29) Dibromofluoromethane	9.569	111	227970	50.3957676 ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.79%		
34) 1,2-Dichloroethane-d4	10.177	65	326300	53.9599198 ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 107.92%		
47) Toluene-d8	12.416	98	806792	53.1020766 ug/Kg	0.00
Spiked Amount 50.000	Range 81 - 117		Recovery = 106.20%		
68) p-Bromofluorobenzene	15.586	95	312801	49.5384880 ug/Kg	0.00
Spiked Amount 50.000	Range 74 - 121		Recovery = 99.08%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.14	85	117848	16.2411 ug/Kg	94
3) Chloromethane	3.61	50	126545	16.5607 ug/Kg	97
4) Vinyl Chloride	3.84	62	87827	16.2495 ug/Kg	97
5) Bromomethane	4.76	94	75823	25.3079 ug/Kg	100
6) Chloroethane	4.92	64	80914	20.4604 ug/Kg	98
7) Trichlorofluoromethane	5.41	101	186419	20.2431 ug/Kg	99
9) Acrolein	6.19	56	110	9.2082 ug/Kg#	16
10) 1,1,2-Trichloro-1,2,2-Trif	6.18	101	86083	16.7240 ug/Kg	86
11) Acetone	6.28	43	49420	22.0292 ug/Kg	89
12) 1,1-Dichloroethene	6.49	96	85439	19.9334 ug/Kg	70
14) Iodomethane	6.99	142	58532	18.7979 ug/Kg	93
15) Methyl acetate	7.01	43	108801	23.4767 ug/Kg#	46
16) Methylene Chloride	7.25	84	97340	20.5563 ug/Kg	60
17) Carbon Disulfide	7.30	76	270886	18.0580 ug/Kg	97
19) Methyl Tert Butyl Ether	7.46	73	244195	20.1875 ug/Kg	95
20) trans-1,2-Dichloroethene	7.70	96	91084	19.7264 ug/Kg	73
21) n-Hexane	7.76	57	122573	13.7363 ug/Kg	94
22) Vinyl Acetate	8.26	43	145440	12.8126 ug/Kg	93
23) 1,1-Dichloroethane	8.29	63	215696	21.6077 ug/Kg	99
24) 2-Butanone	8.83	43	52469	19.1426 ug/Kg	86
25) 2,2-Dichloropropane	9.03	77	154990	20.7154 ug/Kg	95
26) cis-1,2-Dichloroethene	9.09	96	104279	22.0760 ug/Kg	77
27) Chloroform	9.30	83	184719	21.8395 ug/Kg	97
28) Bromochloromethane	9.52	130	64900	22.2326 ug/Kg	99
30) 1,1,1-Trichloroethane	9.80	97	165617	21.8252 ug/Kg	90
31) Cyclohexane	9.83	56	197417	20.0754 ug/Kg	85
32) 1,1-Dichloropropene	9.99	75	141928	21.6148 ug/Kg	95
33) Carbon Tetrachloride	10.12	117	111537	16.4327 ug/Kg	98
35) 1,2-Dichloroethane	10.29	62	183288	23.0535 ug/Kg	95
36) Benzene	10.32	78	386746	21.5797 ug/Kg	100
37) Trichloroethene	11.04	130	107288	21.5158 ug/Kg	90
38) Methylcyclohexane	11.11	83	159198	20.6456 ug/Kg	78
39) 1,2-Dichloropropane	11.24	63	112325	21.7470 ug/Kg	94
40) Bromodichloromethane	11.52	83	133448	22.6952 ug/Kg	98
41) Dibromomethane	11.61	93	61955	24.0622 ug/Kg	83
42) 2-Chloroethyl Vinyl Ether	11.79	63	11422	28.9257 ug/Kg	84
43) 4-Methyl-2-Pentanone	11.81	58	44905	22.0136 ug/Kg	92
44) cis-1,3-Dichloropropene	12.11	75	160544	22.9342 ug/Kg	93
45) Dimethyl Disulfide	12.41	79	231	3.4317 ug/Kg#	1
48) Toluene	12.51	91	416925	21.9579 ug/Kg	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\101805\11M29711.D Vial: 11
Acq On : 18 Oct 2005 14:29 Operator: CMS
Sample : WG198872-02 20ug/Kg LCS STD 8260 Inst : HPMS11
Misc : 7,1 SV14829 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 14:51:05 2005 Quant Results File: 8260BSL.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:43:13 2005
Response via : Initial Calibration
DataAcq Meth : 8260BSL

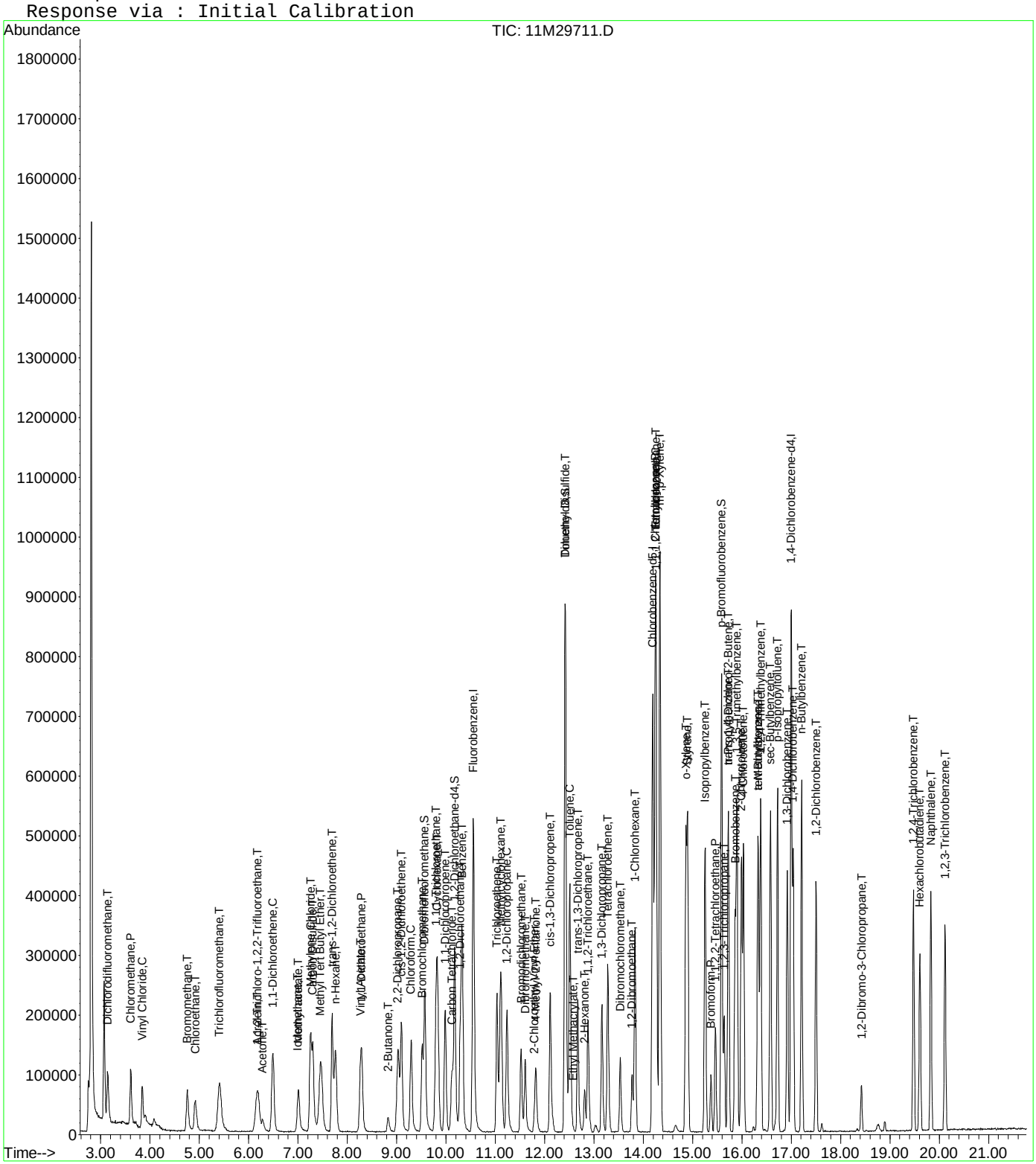
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
49)	Ethyl Methacrylate	12.59	69	1202	2.2020	ug/Kg#	58
50)	trans-1,3-Dichloropropene	12.67	75	154386	22.8273	ug/Kg	97
51)	1,1,2-Trichloroethane	12.88	97	80924	22.0318	ug/Kg	99
52)	2-Hexanone	12.81	43	81487	23.2539	ug/Kg	85
53)	1,3-Dichloropropane	13.16	76	150896	22.4997	ug/Kg	81
54)	Tetrachloroethene	13.28	164	91896	21.9749	ug/Kg	94
55)	Dibromochloromethane	13.53	129	96402	22.3282	ug/Kg	97
56)	1,2-Dibromoethane	13.77	107	90296	22.0491	ug/Kg	95
57)	1-Chlorohexane	13.83	91	134358	21.7097	ug/Kg	73
58)	Chlorobenzene	14.24	112	278723	20.9976	ug/Kg	99
59)	1,1,1,2-Tetrachloroethane	14.27	131	91818	21.5451	ug/Kg	100
60)	Ethylbenzene	14.26	106	161559	22.1640	ug/Kg	79
61)	m-,p-Xylene	14.34	106	390078	45.3989	ug/Kg	84
62)	o-Xylene	14.87	91	373387	22.1803	ug/Kg	90
63)	Styrene	14.90	104	311972	22.4766	ug/Kg	93
64)	Bromoform	15.37	173	57796	19.3057	ug/Kg	98
65)	Isopropylbenzene	15.25	105	455691	21.1593	ug/Kg	99
67)	1,1,2,2-Tetrachloroethane	15.46	83	113142	21.2592	ug/Kg	100
69)	1,2,3-Trichloropropane	15.64	110	38783	23.1071	ug/Kg#	46
70)	trans-1,4-Dichloro-2-Buten	15.73	53	3215	3.9103	ug/Kg#	1
71)	n-Propylbenzene	15.73	91	556448	21.5470	ug/Kg	90
72)	Bromobenzene	15.87	156	118002	22.0479	ug/Kg	64
73)	1,3,5-Trimethylbenzene	15.90	105	415232	22.4964	ug/Kg	100
74)	2-Chlorotoluene	15.99	91	346113	22.2044	ug/Kg	89
75)	4-Chlorotoluene	16.03	91	323210	21.1943	ug/Kg	92
76)	a-Methylstyrene	16.33	118	6477	1.1957	ug/Kg#	1
77)	tert-Butylbenzene	16.33	134	84420	21.4253	ug/Kg#	67
78)	1,2,4-Trimethylbenzene	16.38	105	418198	21.9426	ug/Kg	100
79)	sec-Butylbenzene	16.58	105	544888	22.0798	ug/Kg	99
80)	p-Isopropyltoluene	16.72	119	446493	21.7798	ug/Kg	98
81)	1,3-Dichlorobenzene	16.92	146	226292	20.8116	ug/Kg	95
82)	1,4-Dichlorobenzene	17.04	146	235609	21.3605	ug/Kg	96
83)	n-Butylbenzene	17.21	91	424872	22.7266	ug/Kg	90
84)	1,2-Dichlorobenzene	17.50	146	213632	20.9284	ug/Kg	94
85)	1,2-Dibromo-3-Chloropropan	18.43	75	25433	23.2376	ug/Kg	94
86)	1,2,4-Trichlorobenzene	19.48	180	150987	21.3509	ug/Kg	97
87)	Hexachlorobutadiene	19.61	225	72867	22.4961	ug/Kg	90
88)	Naphthalene	19.83	128	400823	22.3181	ug/Kg	98
89)	1,2,3-Trichlorobenzene	20.12	180	137144	20.5049	ug/Kg	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\101805\11M29711.D Vial: 11
Acq On : 18 Oct 2005 14:29 Operator: CMS
Sample : WG198872-02 20ug/Kg LCS STD 8260 Inst : HPMS11
Misc : 7,1 SV14829 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 14:51 2005 Quant Results File: 8260BSL.RES

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:43:13 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\data\101405\8M323074.D Vial: 6
Acq On : 14 Oct 2005 10:12 Operator: CMS
Sample : WG198627-03 20ug/L LCSDUP STD 8260 Inst : HPMS8
Misc : 1,1 SV14829 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 10:34:51 2005 Quant Results File: 8260BWT.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Initial Calibration
DataAcq Meth : 8260BWT

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	11.39	96	956856	25.00 ug/L	0.00
44) Chlorobenzene-d5	15.27	117	728468	25.00 ug/L	0.00
64) 1,4-Dichlorobenzene-d4	18.30	152	398996	25.00 ug/L	0.00

System Monitoring Compounds					
28) Dibromofluoromethane	10.35	111	207004	26.3771 ug/L	0.00
Spiked Amount 25.000	Range 86 - 118		Recovery = 105.52%		
33) 1,2-Dichloroethane-d4	10.99	65	232504	27.8914 ug/L	0.00
Spiked Amount 25.000	Range 80 - 120		Recovery = 111.56%		
45) Toluene-d8	13.38	98	733384	25.9909 ug/L	0.00
Spiked Amount 25.000	Range 88 - 110		Recovery = 103.96%		
66) p-Bromofluorobenzene	16.77	95	302752	27.0472 ug/L	0.00
Spiked Amount 25.000	Range 86 - 115		Recovery = 108.20%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.64	85	213193	17.9635 ug/L	94
3) Chloromethane	4.17	50	148806	18.8710 ug/L	99
4) Vinyl Chloride	4.42	62	108219	20.2859 ug/L	100
5) Bromomethane	5.38	94	90609	16.4614 ug/L	98
6) Chloroethane	5.55	64	121412	21.5823 ug/L	95
7) Trichlorofluoromethane	6.06	101	319318	20.6146 ug/L	99
10) 1,1,2-Trichloro-1,2,2-Trif	6.85	101	170968	20.1393 ug/L	95
11) Acetone	6.93	43	29479	24.4195 ug/L	89
12) 1,1-Dichloroethene	7.17	61	275131	23.0591 ug/L	89
14) Iodomethane	7.69	142	149917	19.3943 ug/L	91
15) Methylene Chloride	7.94	84	158968	21.8477 ug/L	81
16) Carbon Disulfide	8.01	76	468719	22.4279 ug/L	99
17) Acrylonitrile	8.14	53	2880	1.8555 ug/L #	13
18) Methyl Tert Butyl Ether	8.15	73	317265	22.8521 ug/L	97
19) trans-1,2-Dichloroethene	8.40	61	265105	23.2581 ug/L	90
20) n-Hexane	8.48	57	154343	16.7957 ug/L	96
21) Vinyl Acetate	8.97	43	160721	14.3131 ug/L	96
22) 1,1-Dichloroethane	9.01	63	322454	23.4909 ug/L	99
23) 2-Butanone	9.55	43	35280	22.4945 ug/L	90
24) 2,2-Dichloropropane	9.79	77	269117	22.2058 ug/L	99
25) cis-1,2-Dichloroethene	9.86	61	295489	24.9132 ug/L	89
26) Chloroform	10.06	83	322149	23.2889 ug/L	100
27) Bromochloromethane	10.29	130	93274	22.5860 ug/L	87
29) 1,1,1-Trichloroethane	10.60	97	303889	22.6959 ug/L	91
30) Cyclohexane	10.65	56	306525	24.5202 ug/L	96
31) 1,1-Dichloropropene	10.80	75	238499	23.2598 ug/L	96
32) Carbon Tetrachloride	10.96	117	276702	23.1446 ug/L	99
34) 1,2-Dichloroethane	11.10	62	244343	23.8420 ug/L	98
35) Benzene	11.15	78	650061	23.4985 ug/L	96
36) Trichloroethene	11.91	130	170136	22.1542 ug/L	96
37) 1,2-Dichloropropane	12.11	63	161539	22.8545 ug/L	93
38) Bromodichloromethane	12.42	83	217111	22.9763 ug/L	100
39) Dibromomethane	12.50	93	80271	23.7378 ug/L	85
40) 2-Chloroethyl Vinyl Ether	12.69	63	59704	18.6071 ug/L	99
41) 4-Methyl-2-Pentanone	12.72	58	30909	21.5241 ug/L	96
42) cis-1,3-Dichloropropene	13.04	75	243230	20.0681 ug/L	97
43) Dimethyl Disulfide	13.38	94	21370	1.7587 ug/L #	27
46) Toluene	13.47	91	704080	22.4182 ug/L	99
48) trans-1,3-Dichloropropene	13.63	75	211067	21.6252 ug/L	96
49) 1,1,2-Trichloroethane	13.86	97	108266	21.8355 ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\data\101405\8M323074.D Vial: 6
Acq On : 14 Oct 2005 10:12 Operator: CMS
Sample : WG198627-03 20ug/L LCSDUP STD 8260 Inst : HPMS8
Misc : 1,1 SV14829 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 10:34:51 2005 Quant Results File: 8260BWT.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Initial Calibration
DataAcq Meth : 8260BWT

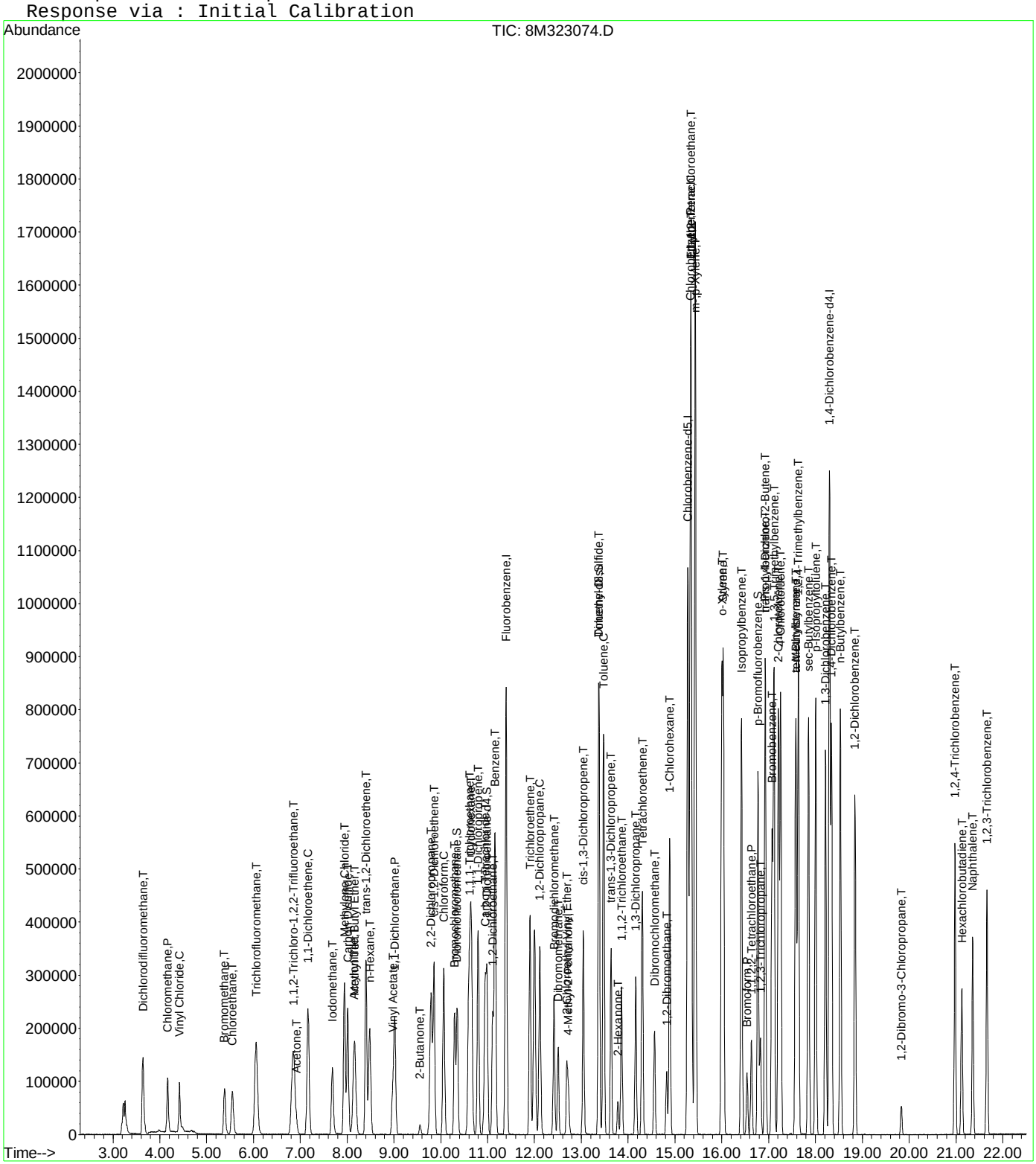
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
50)	2-Hexanone	13.78	43	57094	22.7366 ug/L #	92
51)	1,3-Dichloropropane	14.16	76	190077	22.0315 ug/L	82
52)	Tetrachloroethene	14.30	164	130674	20.9523 ug/L	86
53)	Dibromochloromethane	14.56	129	137140	20.1266 ug/L	99
54)	1,2-Dibromoethane	14.82	107	101435	21.8772 ug/L	100
55)	1-Chlorohexane	14.89	91	208183	19.2346 ug/L	79
56)	Chlorobenzene	15.33	112	463151	22.2089 ug/L	91
57)	1,1,1,2-Tetrachloroethane	15.35	131	163370	23.1478 ug/L	98
58)	Ethylbenzene	15.35	106	261506	23.7111 ug/L	99
59)	m-,p-Xylene	15.43	106	636225	40.5637 ug/L	95
60)	o-Xylene	16.00	106	304540	23.1634 ug/L	96
61)	Styrene	16.04	104	515906	20.0804 ug/L	93
62)	Bromoform	16.54	173	71128	18.5587 ug/L	99
63)	Isopropylbenzene	16.42	105	719378	18.9198 ug/L	98
65)	1,1,2,2-Tetrachloroethane	16.63	83	117942	23.1235 ug/L	99
67)	1,2,3-Trichloropropane	16.83	110	37677	23.3268 ug/L #	1
68)	trans-1,4-Dichloro-2-Buten	16.93	53	5274	2.5966 ug/L #	1
69)	n-Propylbenzene	16.93	91	945457	22.9352 ug/L	99
70)	Bromobenzene	17.08	156	180726	22.6383 ug/L #	38
71)	1,3,5-Trimethylbenzene	17.11	105	673588	20.5537 ug/L	96
72)	2-Chlorotoluene	17.21	91	604404	22.3697 ug/L	97
73)	4-Chlorotoluene	17.26	91	635248	23.0454 ug/L	93
74)	a-Methylstyrene	17.58	118	8186	0.4638 ug/L #	1
75)	tert-Butylbenzene	17.58	134	128373	21.8267 ug/L	80
76)	1,2,4-Trimethylbenzene	17.63	105	713404	22.5357 ug/L	98
77)	sec-Butylbenzene	17.85	105	776042	22.2307 ug/L	99
78)	p-Isopropyltoluene	18.01	119	647442	19.6730 ug/L	98
79)	1,3-Dichlorobenzene	18.21	146	369908	21.8449 ug/L	94
80)	1,4-Dichlorobenzene	18.34	146	375903	21.0431 ug/L	92
81)	n-Butylbenzene	18.53	91	609302	22.4324 ug/L	97
82)	1,2-Dichlorobenzene	18.84	146	328123	22.0359 ug/L	93
83)	1,2-Dibromo-3-Chloropropan	19.84	75	19401	20.6464 ug/L	95
84)	1,2,4-Trichlorobenzene	20.98	180	202343	20.4411 ug/L	99
85)	Hexachlorobutadiene	21.13	225	68749	18.4580 ug/L	88
86)	Naphthalene	21.36	128	366634	20.3451 ug/L	100
87)	1,2,3-Trichlorobenzene	21.67	180	172617	20.2714 ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\data\101405\8M323074.D Vial: 6
Acq On : 14 Oct 2005 10:12 Operator: CMS
Sample : WG198627-03 20ug/L LCSDUP STD 8260 Inst : HPMS8
Misc : 1,1 SV14829 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 10:34 2005 Quant Results File: 8260BWT.RES

Method : C:\MSDCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 09/13/2005 - HPMS 8
Last Update : Wed Sep 14 08:01:28 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\101805\11M29712.D Vial: 12
Acq On : 18 Oct 2005 14:59 Operator: CMS
Sample : WG198872-03 20ug/Kg LCSDUP STD 8260 Inst : HPMS11
Misc : 7,1 SV14829 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 15:21:06 2005 Quant Results File: 8260BSL.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:43:13 2005
Response via : Initial Calibration
DataAcq Meth : 8260BSL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	10.555	96	679892	50.0000 ug/Kg	0.000
46) Chlorobenzene-d5	14.193	117	542298	50.0000 ug/Kg	0.000
66) 1,4-Dichlorobenzene-d4	17.003	152	293341	50.0000 ug/Kg	0.000

System Monitoring Compounds					
29) Dibromofluoromethane	9.575	111	231665	49.8002596 ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.60%		
34) 1,2-Dichloroethane-d4	10.177	65	323454	52.0141570 ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.03%		
47) Toluene-d8	12.416	98	816431	52.8952268 ug/Kg	0.00
Spiked Amount 50.000	Range 81 - 117		Recovery = 105.79%		
68) p-Bromofluorobenzene	15.586	95	323462	50.0905434 ug/Kg	0.00
Spiked Amount 50.000	Range 74 - 121		Recovery = 100.18%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.14	85	122379	16.4004 ug/Kg	92
3) Chloromethane	3.61	50	136194	17.3319 ug/Kg	98
4) Vinyl Chloride	3.84	62	93820	16.8796 ug/Kg	97
5) Bromomethane	4.76	94	75568	24.5838 ug/Kg	99
6) Chloroethane	4.92	64	81591	20.0627 ug/Kg	98
7) Trichlorofluoromethane	5.41	101	191887	20.2623 ug/Kg	100
10) 1,1,2-Trichloro-1,2,2-Trif	6.19	101	100280	18.9449 ug/Kg	89
11) Acetone	6.28	43	47453	20.5690 ug/Kg	93
12) 1,1-Dichloroethene	6.49	96	90024	20.4238 ug/Kg	72
14) Iodomethane	7.00	142	64335	19.7820 ug/Kg	95
15) Methyl acetate	7.01	43	116603	24.4663 ug/Kg#	58
16) Methylene Chloride	7.26	84	100221	20.5810 ug/Kg	57
17) Carbon Disulfide	7.30	76	271535	17.6021 ug/Kg	98
18) Acrylonitrile	7.45	53	2380	1.0584 ug/Kg#	11
19) Methyl Tert Butyl Ether	7.46	73	253110	20.3474 ug/Kg	93
20) trans-1,2-Dichloroethene	7.70	96	98416	20.7265 ug/Kg	76
21) n-Hexane	7.77	57	127667	13.9126 ug/Kg	94
22) Vinyl Acetate	8.26	43	153031	13.1095 ug/Kg	92
23) 1,1-Dichloroethane	8.29	63	219481	21.3805 ug/Kg	97
24) 2-Butanone	8.83	43	60274	21.3837 ug/Kg	86
25) 2,2-Dichloropropane	9.03	77	161411	20.9787 ug/Kg	95
26) cis-1,2-Dichloroethene	9.09	96	106272	21.8774 ug/Kg	71
27) Chloroform	9.30	83	189551	21.7928 ug/Kg	98
28) Bromochloromethane	9.52	130	65291	21.7497 ug/Kg	97
30) 1,1,1-Trichloroethane	9.80	97	171916	22.0305 ug/Kg	92
31) Cyclohexane	9.83	56	219277	21.6834 ug/Kg	85
32) 1,1-Dichloropropene	9.98	75	148350	21.9697 ug/Kg	96
33) Carbon Tetrachloride	10.12	117	116331	16.6511 ug/Kg	98
35) 1,2-Dichloroethane	10.29	62	183033	22.3866 ug/Kg	95
36) Benzene	10.33	78	394433	21.4016 ug/Kg	99
37) Trichloroethene	11.04	130	111448	21.7337 ug/Kg	90
38) Methylcyclohexane	11.11	83	159969	20.1734 ug/Kg	76
39) 1,2-Dichloropropane	11.24	63	113045	21.2828 ug/Kg	95
40) Bromodichloromethane	11.52	83	131329	21.7188 ug/Kg	99
41) Dibromomethane	11.60	93	59406	22.4359 ug/Kg#	83
42) 2-Chloroethyl Vinyl Ether	11.79	63	10363	26.8372 ug/Kg	83
43) 4-Methyl-2-Pentanone	11.82	58	43644	20.9642 ug/Kg	94
44) cis-1,3-Dichloropropene	12.11	75	160616	22.3117 ug/Kg	92
48) Toluene	12.51	91	424235	21.9931 ug/Kg	98
49) Ethyl Methacrylate	12.58	69	142	2.0106 ug/Kg#	58

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\101805\11M29712.D Vial: 12
Acq On : 18 Oct 2005 14:59 Operator: CMS
Sample : WG198872-03 20ug/Kg LCSDUP STD 8260 Inst : HPMS11
Misc : 7,1 SV14829 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 15:21:06 2005 Quant Results File: 8260BSL.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:43:13 2005
Response via : Initial Calibration
DataAcq Meth : 8260BSL

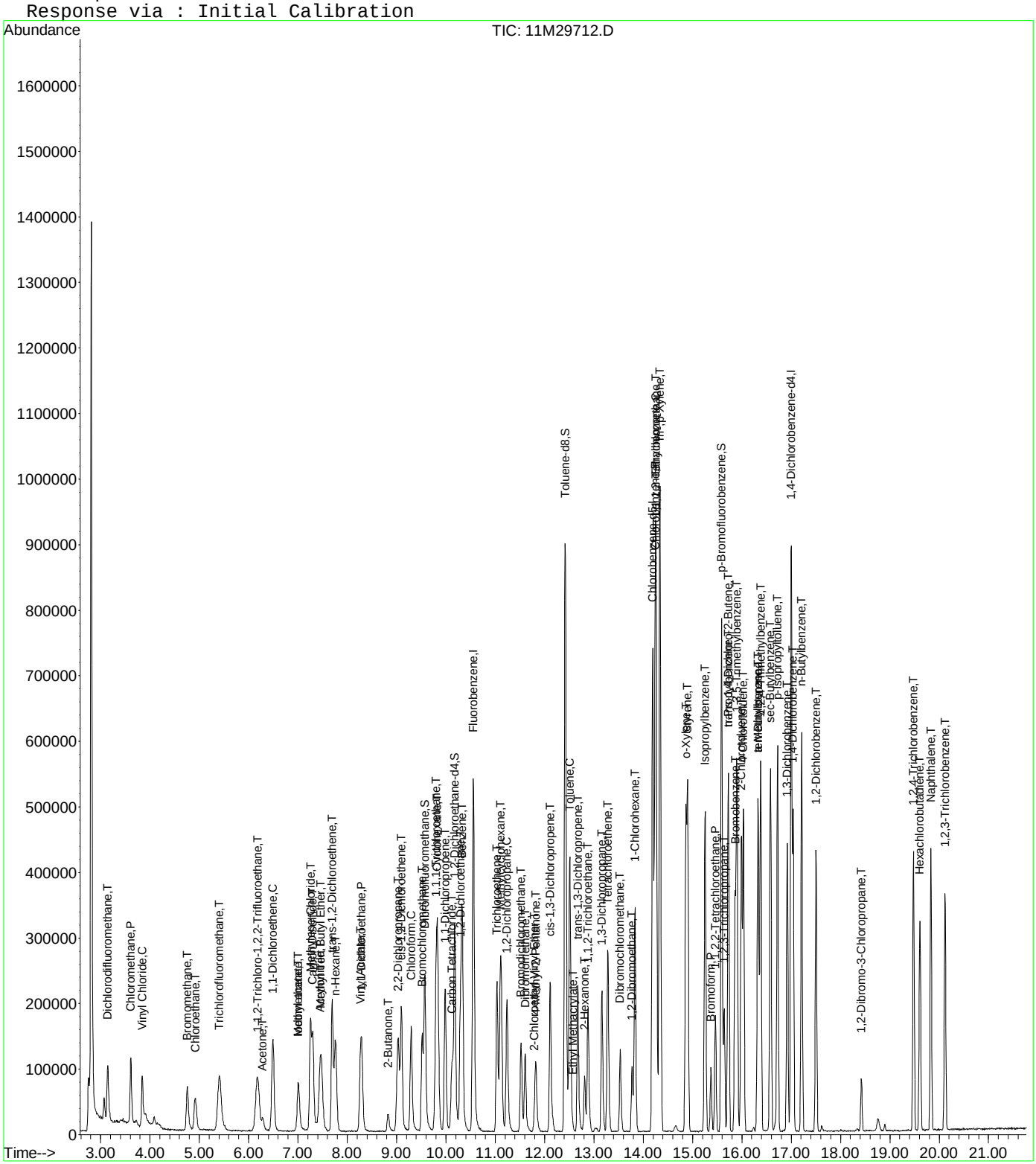
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
50)	trans-1,3-Dichloropropene	12.67	75	151934	22.1130	ug/Kg	98
51)	1,1,2-Trichloroethane	12.88	97	80551	21.5869	ug/Kg	99
52)	2-Hexanone	12.81	43	91865	25.8051	ug/Kg#	87
53)	1,3-Dichloropropane	13.16	76	149522	21.9458	ug/Kg	78
54)	Tetrachloroethene	13.28	164	92404	21.7504	ug/Kg	91
55)	Dibromochloromethane	13.54	129	95227	21.7108	ug/Kg	100
56)	1,2-Dibromoethane	13.77	107	91159	21.9113	ug/Kg	96
57)	1-Chlorohexane	13.83	91	128238	20.3964	ug/Kg	68
58)	Chlorobenzene	14.24	112	287118	21.2914	ug/Kg	99
59)	1,1,1,2-Tetrachloroethane	14.27	131	92443	21.3522	ug/Kg	98
60)	Ethylbenzene	14.25	106	162146	21.8962	ug/Kg	80
61)	m-,p-Xylene	14.34	106	403385	46.2126	ug/Kg	82
62)	o-Xylene	14.86	91	376043	21.9884	ug/Kg	89
63)	Styrene	14.90	104	310033	21.9872	ug/Kg	92
64)	Bromoform	15.37	173	58800	19.3306	ug/Kg	99
65)	Isopropylbenzene	15.26	105	458312	20.9478	ug/Kg	100
67)	1,1,2,2-Tetrachloroethane	15.46	83	111347	20.4578	ug/Kg	98
69)	1,2,3-Trichloropropane	15.64	110	39117	22.7891	ug/Kg#	44
70)	trans-1,4-Dichloro-2-Buten	15.72	53	3676	4.0480	ug/Kg#	1
71)	n-Propylbenzene	15.73	91	564175	21.3616	ug/Kg	90
72)	Bromobenzene	15.86	156	116784	21.3363	ug/Kg	66
73)	1,3,5-Trimethylbenzene	15.90	105	410681	21.7562	ug/Kg	98
74)	2-Chlorotoluene	15.99	91	350640m	21.9959	ug/Kg	
75)	4-Chlorotoluene	16.03	91	327036	20.9695	ug/Kg	98
76)	a-Methylstyrene	16.32	118	5870	1.1286	ug/Kg#	1
77)	tert-Butylbenzene	16.33	134	86337	21.4257	ug/Kg#	69
78)	1,2,4-Trimethylbenzene	16.38	105	426291	21.8711	ug/Kg	99
79)	sec-Butylbenzene	16.58	105	554668	21.9776	ug/Kg	97
80)	p-Isopropyltoluene	16.72	119	455499	21.7262	ug/Kg	99
81)	1,3-Dichlorobenzene	16.92	146	231949	20.8586	ug/Kg	94
82)	1,4-Dichlorobenzene	17.04	146	236845	20.9962	ug/Kg	96
83)	n-Butylbenzene	17.21	91	441481	23.0912	ug/Kg	90
84)	1,2-Dichlorobenzene	17.50	146	223901	21.4478	ug/Kg	90
85)	1,2-Dibromo-3-Chloropropan	18.43	75	25558	22.8338	ug/Kg	91
86)	1,2,4-Trichlorobenzene	19.48	180	160643	22.2124	ug/Kg	95
87)	Hexachlorobutadiene	19.61	225	80102	24.1812	ug/Kg	92
88)	Naphthalene	19.83	128	422650	23.0114	ug/Kg	99
89)	1,2,3-Trichlorobenzene	20.12	180	142947	20.8984	ug/Kg	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\101805\11M29712.D Vial: 12
Acq On : 18 Oct 2005 14:59 Operator: CMS
Sample : WG198872-03 20ug/Kg LCSDUP STD 8260 Inst : HPMS11
Misc : 7,1 SV14829 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 19 11:08 2005 Quant Results File: 8260BSL.RES

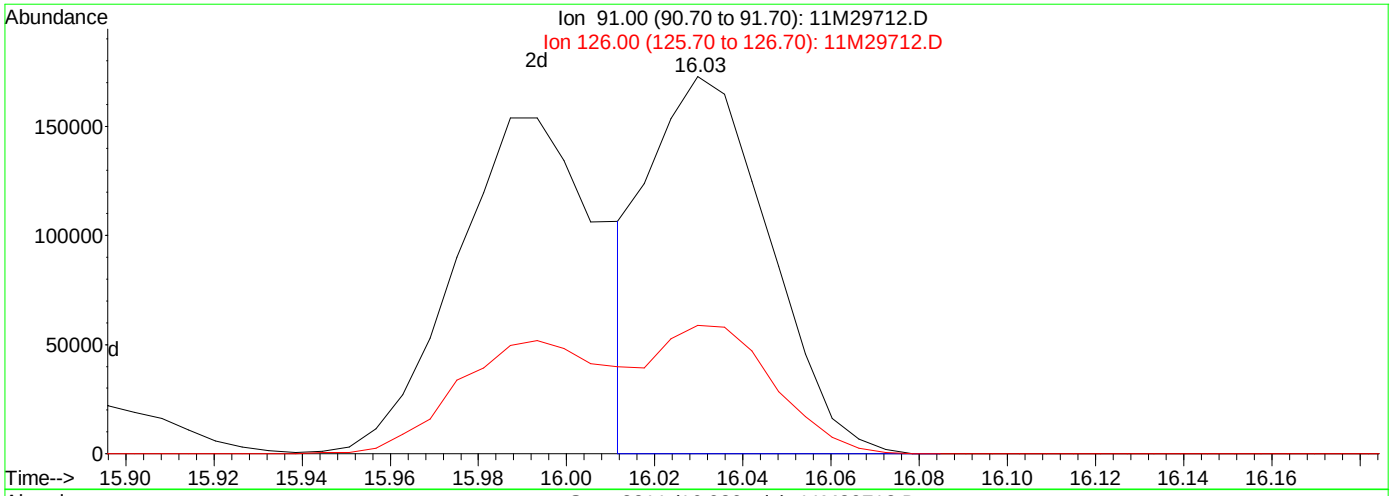
Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:43:13 2005
Response via : Initial Calibration

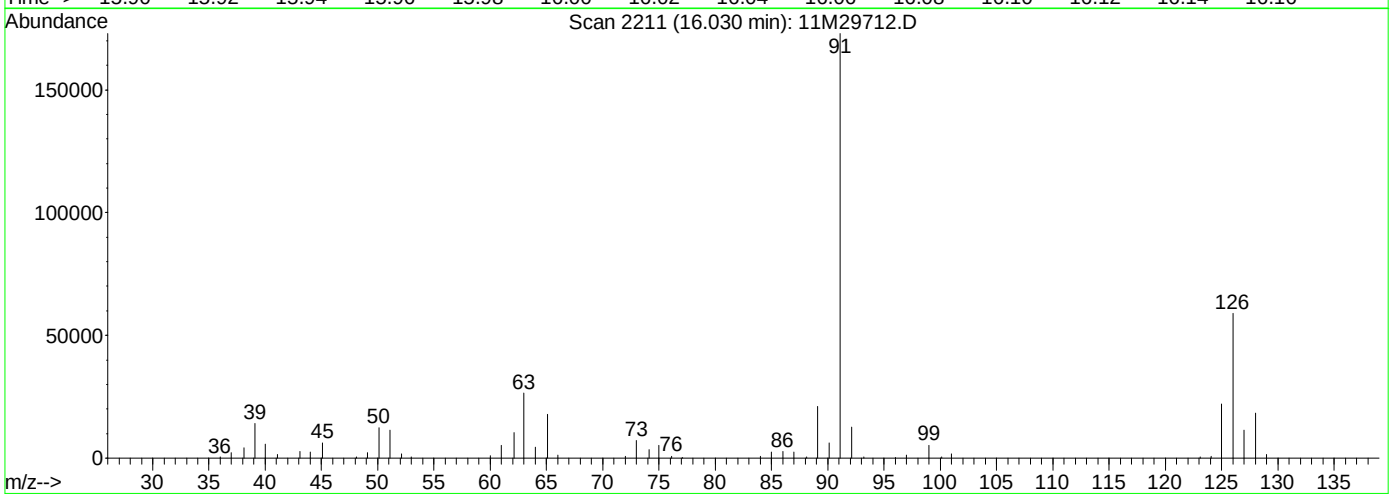


Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101805\11M29712.D Vial: 12
Acq On : 18 Oct 2005 14:59 Operator: CMS
Sample : WG198872-03 20ug/Kg LCSDUP STD 8260 Inst : HPMS11
Misc : 7,1 SV14829 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 15:21 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:43:13 2005
Response via : Multiple Level Calibration





TIC: 11M29712.D

(74) 2-Chlorotoluene (T)

16.03min 20.52ug/Kg

response 327036

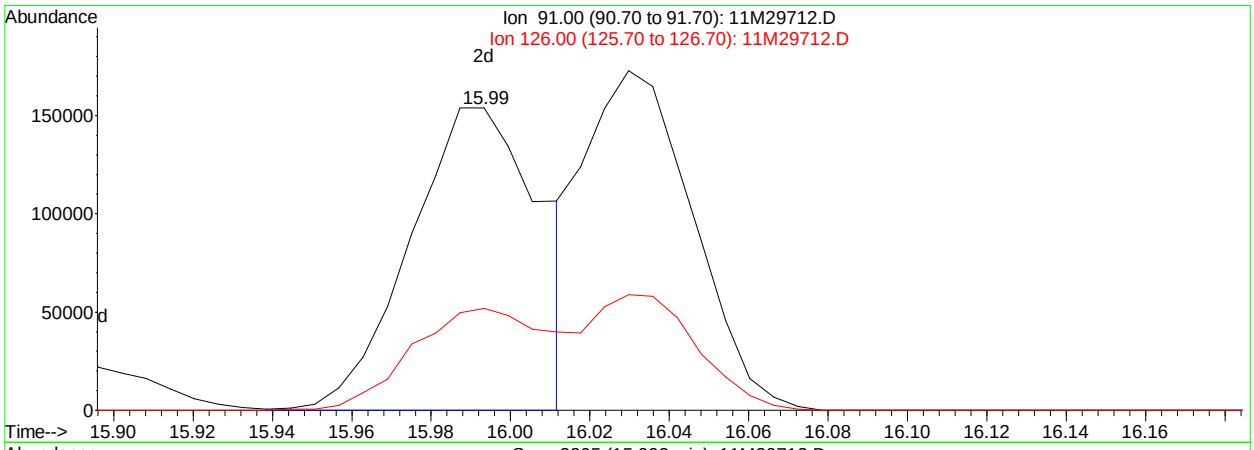
Ion	Exp%	Act%
91.00	100	100
126.00	28.80	30.51
0.00	0.00	0.00
0.00	0.00	0.00

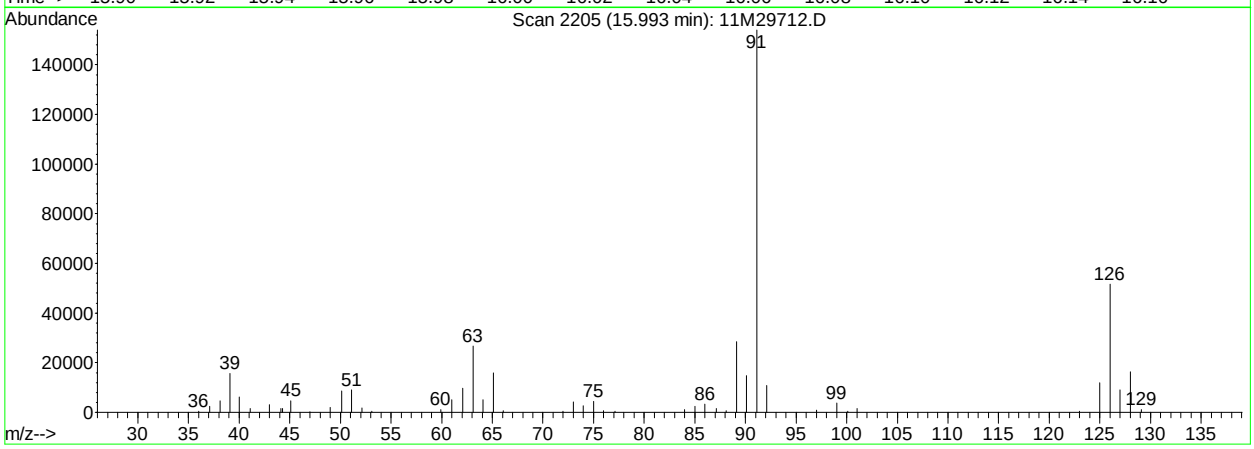
11M29712.D 8260BSL.M Wed Oct 19 11:08:40 2005

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101805\11M29712.D Vial: 12
Acq On : 18 Oct 2005 14:59 Operator: CMS
Sample : WG198872-03 20ug/Kg LCSDUP STD 8260 Inst : HPMS11
Misc : 7,1 SV14829 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 19 11:08 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260BSL.M (RTE Integrator)
Title : Method 8260B Soil Analysis 10/17/05 HPMS 11
Last Update : Mon Oct 17 18:43:13 2005
Response via : Multiple Level Calibration





TIC: 11M29712.D

(74) 2-Chlorotoluene (T)

15.99min 22.00ug/Kg m

response 350640

Ion	Exp%	Act%
91.00	100	100
126.00	28.80	28.46
0.00	0.00	0.00
0.00	0.00	0.00

11M29712.D 8260BSL.M Wed Oct 19 11:08:45 2005

Approved: October 19, 2005	Supervisor: October 19, 2005
Reason #3: Improperly Integrated Isomers and/or coeluting compounds	

2.2 Semivolatiles Data

2.2.1 Semivolatiles GC/MS Data (8270)

2.2.1.1 QC Summary

KEMRON ENVIRONMENTAL SERVICES
GC/MS SEMIVOLATILE ORGANICS

KEMRON Login No.: L0510264

METHOD

Preparation: SW-846 3545 or 3550B (soils)/3510 or 3520C (waters).

Analysis: SW-846 8270C

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: For all compounds which yielded a %RSD greater than 15%, linear or higher order equations were applied. All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibration and Tune: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Matrix Spikes: The MS/MSD were not associated with these samples.

SAMPLES

Internal Standards: All acceptance criteria were met.

Surrogates: All acceptance criteria were met.

Samples: Sample 02 was analyzed at a dilution due to viscosity. All acceptance criteria were met.

Manual Integration Reason Codes

KEMRON laboratory management has identified four general cases with valid reasons supporting the use of manual integration techniques.

Reason #1: Data System Fails to Select Correct Peak
In some cases the chromatography system selects and integrates the ”wrong peak”. In this case the analyst must

correct the selection and force the system to integrate the proper peak. Other times the system may miss the peak completely.

Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak.
This phenomena is common at low concentrations where the signal:noise ratio is low. A single compound (peak) is incorrectly split into multiple peaks or integrated as a main peak with one or more rider peaks resulting in low area counts for the target compound.

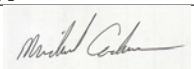
Reason #3: Improperly Integrated Isomers and/or coeluting compounds.
This system often fails to distinguish coeluting compounds and or isomers. The integration areas and concentrations are wrong, and they must be corrected by manual integration. Prime examples are benzo(k)fluoranthene and benzo(b)fluoranthene which are often unresolved and integrated improperly when both are present at low concentrations in standards or samples.

Reason #4: System Establishes Incorrect Baseline
There are numerous situations in chromatography where the system establishes the baseline incorrectly. Some baseline errors will be obvious to the analyst and should be corrected via manual procedures.

Reason #5: Miscellaneous
Other situations involving integration errors may require in-depth review and technical judgment. These cases should be brought to the attention of the laboratory management. If the form of manual integration is not clearly covered by these four cases, then review and approval by the Laboratory Director or the QA/QC Supervisor will be required.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: CLK

Approved: 18-OCT-05


Semi-Volatile GCMS Checklist

Run Date: 10/13/05

Analyst: CCK

Instrument: HPMS4

Method: 8270

Login no.	Due Date	Priority
10-149	10/18	–

		Analyst	Peer
System Performance Check:	DFTPP	✓	✓
	Tailing	✓	✓
	DDT Breakdown	✓	✓
Initial Calibration:	ICAL summary		
	Linear or quadriatic regression		
	Alt Source Check		
Continuing Calibration:	Continuing Calibration	✓	✓
	Client Specific Requirements	✓	✓
	Special Standards		
Blanks:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
	Library search		
LCS/LCS DUP:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
	Spike Compounds	✓	✓
	MS/MSD		
Samples:	Quant Reports/Chromatograms	✓	✓
	Mass spectra	✓	✓
	Surrogates	✓	✓
	Internal Standards	✓	✓
	Dilution runs		
	Correct Factors	✓	✓
	Library searches		
	Manual integrations		
Data Package:	Run logs	✓	✓
	Bench sheets	✓	✓
	Upload results	✓	✓
	QC forms	✓	✓
	R-flag reports	✓	✓
	Seedpak workgroups	✓	✓
Client Data	Data scanned		
	Integrations digitally signed	NA	
	Level 2 pdf files		
	Level 3/Level x		
	Case narratives		

	Supervisor
Integrations digitally cosigned	NA
Corrective Action	✓
Results Reporting/Data Qualifiers	✓
Client Data/digital signatures	
Check for Completeness	✓
Check for compliance with method and project requirements	✓
Check the reasonableness of results	✓

√ = Checked & OK

NA = Not Applicable

Comments:

Benzoic Acid low in LCS
Missing in LCS DUP
10-149 samples not
Re-extracted, out of Hold
CK 10/17/05

Primary Reviewer: CK 10/14/05

Secondary Reviewer: RDC 10/17/05

Semi-Volatile GCMS Checklist

Run Date: 10/14/05

Analyst: CLK

Instrument: HRMS4

Method: 8270

Login no.	Due Date	Priority
10-003	10/17	—
10-004	10/17	—
10-264	10/17	P1

		Analyst	Peer
System Performance Check:	DFTPP	✓	✓
	Tailing	✓	✓
	DDT Breakdown	✓	✓
Initial Calibration:	ICAL summary		
	Linear or quadriatic regression		
	Alt Source Check		
Continuing Calibration:	Continuing Calibration	✓	✓
	Client Specific Requirements	✓	✓
	Special Standards		
Blanks:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
	Library search		
LCS/LCS DUP:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
	Spike Compounds	✓	✓
	MS/MSD		
Samples:	Quant Reports/Chromatograms	✓	✓
	Mass spectra	✓	✓
	Surrogates	✓	✓
	Internal Standards	✓	✓
	Dilution runs		
	Correct Factors	✓	✓
	Library searches		
	Manual integrations	✓	✓
Data Package:	Run logs	✓	✓
	Bench sheets	✓	✓
	Upload results	✓	✓
	QC forms	✓	✓
	R-flag reports		
	Seedpak workgroups	✓	✓
Client Data	Data scanned		
	Integrations digitally signed	✓	
	Level 2 pdf files		
	Level 3/Level x		
	Case narratives		

	Supervisor
Integrations digitally cosigned	✓
Corrective Action	
Results Reporting/Data Qualifiers	✓
Client Data/digital signatures	
Check for Completeness	✓
Check for compliance with method and project requirements	✓
Check the reasonableness of results	✓

√ = Checked & OK

NA = Not Applicable

Comments:

Primary Reviewer: CLK 10/17/05

Secondary Reviewer: [illegible]

Example 8270 Calculations

1.0 Calculating the Response Factor (RF) from the initial calibration (ICAL) data:

$$RF = \frac{(A_x)(C_{is})}{(A_{is})(C_x)}$$

where:	Example:
A_x = Area of the characteristic ion for the compund being measured	10000
C_{is} = Concentration of the specific internal standard ($\mu g/mL$)	100
A_{is} = Area of the characteristic ion for the specific internal standard	5000
C_x = Concentration of the compound being measured ($\mu g/mL$)	100
	RF = 2

2.0 Calculating the concentration (C) of a compuond in water using data from prep log and quantitation report:*

$$C = \frac{(A_x)(C_{is})(V_f)(D)}{(A_{is})(RF)(V_i)}$$

where:	Example:
A_x = Area of the characteristic ion for the compound being measured	10000
C_{is} = Concentration of the specific internal standard in ng/ml ($\mu g/L$).	4000
V_f = Final volume of sample extract (mL) (prep log)	1
D = Dilution factor for sample as a multiplier (10X = 10)	1
A_{is} = Area of the characteristic ioin for the specific internal standard.	5000
RF = Response factor from ICAL calculated above	2
V_i = Initial volume of sample (ml) (prep log)	1000
	C ($\mu g/l$) = 4

3.0 Calculating the concentration (C) of a compound in soil using data from prep log and quantitation report:*

$$C = \frac{(A_x)(C_{is})(V_f)(D)}{(A_{is})(RF)(W_i)}$$

where:	Example:
A_x = Area of the characteristic ion for the compound being measured	10000
C_{is} = Concentration of the specific internal standard in ng/ml ($\mu g/L$).	4000
V_f = Final volume of sample extract (mL) (prep log)	1
D = Dilution factor for sample as a multiplier (10X = 10)	1
A_{is} = Area of the characteristic ion for the specific internal standard.	5000
RF = Response factor from ICAL calculated above	2
W_i = Initial weight of sample (g) (prep log)	30
	C ($\mu g/kg$) = 133.3333

* Concentrations appearing on instrument quantitation reports are on-column results and do not take into account initial volume, final volume and dilution factor.

R988738

Sample Extract Log Sheet

KEMRON ENVIRONMENTAL SERVICES

Parameter: BNA-Soil SOP #: EXASE01 Revision #: 5
Extraction Analyst(s): RAS, CPD TV/KD Analyst(s): CSH
Date/Time Extracted: 10/14/05/0830 Date TV/KD: 10-14-5
Spike/Surrogate Analyst: RAS Witness: CPD per CSH
Surrogate #: STD10058#5 Earliest Hold Date: 10/26
Spike #: A = STD10059#2 Spike #: B = —

Extraction Work Group WG 198622
Extract Relinquished By: CSH
Extract Received By & Date: RAS/10/14/05

	Sample ID	Test Code	pH √ <2	pH √ N	pH √ >12	Initial Vol / Wt	Amount Surrogate	Amount Spike	Final Volume	Extract Color	Emulsions √ A	Emulsions √ BN	Emulsions √ N	Comments
1	Blank					20.00g	500µL		1mL	T				WG198622-02
2	LCS					↓		500µL		C				WG ↓ -03
3	10-249-01	827-A9				20.94g				↓				
4	-02Ref					20.72g				O				WG198622-01
5	-03MS					↓		500µL					*	↓ -04
6	-04MSD					↓		↓					*	↓ -05
7	-05					20.12g								
8	-06					20.08g								
9	-07					20.93g				↓				
10	-08					20.28g				C				
11	-09	↓				20.78g				O				
12	10-264-01	827-SPE				20.90g				C				
13	-02					20.80g				O				
14	-03					20.70g								
15	-04	↓				20.93g	↓		↓	C				
16														
17														
18														
19														
20														
21														
22														
23														
24														

CSH 10-14-5

Methylene Chloride Lot #: 827E23
Hexane Lot #: —
Ether Lot #: —
Methanol Lot #: —
Solvent: — Lot #: —
Reagent: LABSAND Lot #: B10663
Reagent: PE Lot #: B14H12
Reagent: — Lot #: —
Acid: 1% Acet. Lot #: ER0010-68
Florisil Lot #: —
Silica Gel Lot #: —
IR Analyst / Date / Time: —
Dried Na_2SO_4 Lot #: ER0016-73

Color Code
T = Transparent
C = Colored
O = Opaque

SW-846 Method			On	Off	On	Off
Continuous	3520C					
Soxhlet	3540C					
ASE*	3545	✓				
Sep Funnel	3510C					
Sonication	3550B					
Waste	3580A					

* Accelerated Solvent Extractor (ASE)

Clean-ups			
Florisil 3620B		GPC 3640A	
Silica Gel 3630C		Other	
Acid 3665A		N/A	✓
Sulfur 3660B			

Peer Reviewed By: Chris Hill Date: 10-14-5

Extraction Notes For Volume # 250 Page # 97

General Comments:

* MS, MSD of 249-02

Extraction Anomalies: NONE

Concentration Anomalies: NONE

Clean-Up Anomalies: N/A

Supervisor Review: _____ Date: _____

Instrument: HPMS4 Dataset: 101305
Analyst 1: CLK Analyst 2: NA
Method: 8270C SOP: MSS01 Rev: 11

Internal Standard: B5030168 Surrogate Standard: NA
CCV: NA LCS: NA MS/MSD: NA

Column 1 ID: DB-5MS Column 2 ID: __

Seq.	File ID	Sample Info	Mat	Dil	Reference	Date/Time
1.	4M30390	WG198264-01 50PPM DFTPP	1	1	SOS76-14	10/13/05 08:38
2.	4M30391	WG198264-02 50PPM BNA STD	1	1	SOS74-33-4	10/13/05 08:57
3.	4M30392	WG198264-03 3PPM BNA STD	1	1	SOS74-33-1	10/13/05 09:32
4.	4M30393	WG198264-04 15PPM BNA STD	1	1	SOS74-33-2	10/13/05 10:08
5.	4M30394	WG198264-05 25PPM BNA STD	1	1	SOS74-33-3	10/13/05 10:43
6.	4M30395	WG198264-06 80PPM BNA STD	1	1	SOS74-33-5	10/13/05 11:19
7.	4M30396	WG198264-07 100PPM BNA STD	1	1	SOS74-33-6	10/13/05 11:53
8.	4M30397	WG198264-08 120PPM BNA STD	1	1	SOS74-33-7	10/13/05 12:28
9.	4M30398	WG198264-09 50PPM Alt Source BNA STD	1	1	SOS76-6	10/13/05 13:14
10.	4M30399	WG198251-01 BLK 10/10 EP0249P61	1	1		10/13/05 13:48
11.	4M30400	WG198251-02 LCS 10/10 EP0249P61*	1	1		10/13/05 14:22
12.	4M30401	WG198251-03 LCS DUP 10/10 EP0249P61*	1	1		10/13/05 14:57
13.	4M30402	L0510149-01	1	1		10/13/05 15:31
14.	4M30403	L0510149-02	1	1		10/13/05 16:06
15.	4M30404	L0510149-03	1	1		10/13/05 16:41
16.	4M30405	L0510149-04	1	1		10/13/05 17:15
17.	4M30406	L0510149-05	1	1		10/13/05 17:50
18.	4M30407	L0510149-06	1	1		10/13/05 18:25
19.	4M30408	L0510149-07	1	1		10/13/05 19:00

Comments.
Changed Liner
11. Benzoic Acid low in LCS
12. Benzoic Acid Missing and 4-Nitroaniline high in LCS DUP

Approved: October 17, 2005
Rebecca D. Cattlip

Instrument: HPMS4 Dataset: 101405
Analyst 1: CLK Analyst 2: NA
Method: 8270C SOP: MSS01 Rev: 11

Internal Standard: B5030168 Surrogate Standard: NA
CCV: NA LCS: NA MS/MSD: NA

Column 1 ID: DB-5MS Column 2 ID: __

Seq.	File ID	Sample Info	Mat	Dil	Reference	Date/Time
1.	4M30409	WG198660-01 50PPM DFTPP	1	1	SOS76-14	10/14/05 11:29
2.	4M30410	WG198660-02 50PPM BNA STD	1	1	SOS74-33-4	10/14/05 11:48
3.	4M30411	WG197948-01 BLK 10/4 EP0250P17 RR	7	1	SOIL	10/14/05 12:23
4.	4M30412	L0510003-01 SOIL 3545 MDL CHK*	7	1	SOIL	10/14/05 12:57
5.	4M30413	L0510003-02 SOIL 3545 MDL CHK	7	1	SOIL	10/14/05 13:31
6.	4M30414	L0510004-01 SOIL 3545 MDL CHK*	7	1	SOIL	10/14/05 14:06
7.	4M30415	L0510004-02 SOIL 3545 MDL CHK	7	1	SOIL	10/14/05 14:40
8.	4M30416	WG198622-02 BLK 10/14 EP250P97	7	1	SOIL	10/14/05 15:46
9.	4M30417	WG198622-03 LCS 10/14 EP250P97	7	1	SOIL	10/14/05 16:20
10.	4M30418	L0510264-03 SOIL	7	1	SOIL	10/14/05 16:54
11.	4M30419	L0510264-04 SOIL	7	1	SOIL	10/14/05 17:29
12.	4M30420	L0510264-01 SOIL	7	1	SOIL	10/14/05 18:04
13.	4M30421	L0510264-02 2X SOIL	7	2	SOIL	10/14/05 18:39
14.	4M30422	BAKE OUT	1	1		10/14/05 19:14
15.	4M30423	BAKE OUT	1	1		10/14/05 19:49
16.	4M30424	BAKE OUT	1	1		10/14/05 20:25

Comments.
Changed Liner
4. Poor Performing Compounds reported from -02 fraction
6. Poor Performing Compounds reported from -02 fraction

Approved: October 17, 2005

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

Analytical Method: 8270C AAB#: WG198740

Login Number: L0510264

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
41-BG1-S-1012-05	10/12/05	10/13/05	10/14/05	14	1.80	10/14/05	40	0.399	
41-BG2-S-1012-05	10/12/05	10/13/05	10/14/05	14	1.78	10/14/05	40	0.423	
41-BF2-S-1012-05	10/12/05	10/13/05	10/14/05	14	1.71	10/14/05	40	0.350	
41-TS2-S-1012-05	10/12/05	10/13/05	10/14/05	14	1.70	10/14/05	40	0.374	

* EXT = SEE PROJECT QAPP REQUIREMENTS
*ANAL = SEE PROJECT QAPP REQUIREMENTS

KEMRON FORMS - Modified 11/05/2004
Version 1.5 PDF File ID: 336525
Report generated 10/17/2005 11:31

KEMRON Environmental Services

SURROGATE STANDARDS

Login Number: L0510264
Instrument Id: HPMS4
Workgroup (AAB#): WG198740

Method: 8270
CAL ID: HPMS4-13-OCT-05
Matrix: SOLID

Sample Number	Dilution	Tag	1	2	3	4	5	6
L0510264-01	1.00	01	80.6	79.8	66.1	84.6	81.5	85.2
L0510264-02	2.00	DL01	93.8	94.0	78.4	94.6	90.7	97.2
L0510264-03	1.00	01	67.5	66.0	64.3	69.3	96.5	73.5
L0510264-04	1.00	01	83.4	72.5	61.8	69.2	80.4	78.3
WG198622-02	1.00	01	65.8	63.3	60.2	66.5	106	69.9
WG198622-03	1.00	01	74.7	57.5	53.9	56.6	103	61.9

Surrogates	Surrogate Limits		
1 - 2,4,6-Tribromophenol	19	-	122
2 - 2-Fluorobiphenyl	30	-	115
3 - 2-Fluorophenol	25	-	121
4 - Nitrobenzene-d5	23	-	120
5 - p-Terphenyl-d14	18	-	137
6 - Phenol-d5	24	-	113

Underline = Result out of surrogate limits

DL = surrogate diluted out
ND = surrogate not detected

KEMRON FORMS - Modified 05/17/2005
Version 1.5 PDF File ID: 336333
Report generated 10/17/2005 11:34

KEMRON Environmental Services

METHOD BLANK SUMMARY

Login Number: L0510264
Blank File ID: 4M30416
Date Analyzed: 10/14/05
Time Analyzed: 15:46
Analyst: CLK

Work Group: WG198740
Blank Sample ID: WG198622-02
Instrument ID: HPMS4
Method: 8270C

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG198622-03	4M30417	10/14/05 16:20	01
41-BF2-S-1012-05	L0510264-03	4M30418	10/14/05 16:54	01
41-TS2-S-1012-05	L0510264-04	4M30419	10/14/05 17:29	01
41-BG1-S-1012-05	L0510264-01	4M30420	10/14/05 18:04	01
41-BG2-S-1012-05	L0510264-02	4M30421	10/14/05 18:39	DL01

KEMRON FORMS - Modified 05/18/2005
Version 1.5 PDF File ID: 336526
Report generated 10/17/2005 11:31

KEMRON Environmental Services

METHOD BLANK REPORT

Login Number: L0510264 Run Date: 10/14/2005 Sample ID: WG198622-02
Instrument ID: HPMS4 Run Time: 15:46 Prep Method: 3545
File ID: 4M30416 Analyst: CLK Method: 8270C
Workgroup (AAB#): WG198740 Matrix: Soil Units: ug/kg
Contract #: Cal ID: HPMS4-13-OCT-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Phenol	82.5	165	82.5	1	U
Bis(2-Chloroethyl)ether	82.5	165	82.5	1	U
2-Chlorophenol	82.5	165	82.5	1	U
1,3-Dichlorobenzene	82.5	165	82.5	1	U
1,4-Dichlorobenzene	82.5	165	82.5	1	U
1,2-Dichlorobenzene	82.5	165	82.5	1	U
2-Methylphenol	82.5	165	82.5	1	U
3-,4-Methylphenol	82.5	165	82.5	1	U
bis(2-chloroisopropyl)ether	82.5	165	82.5	1	U
N-Nitrosodipropylamine	82.5	165	82.5	1	U
Hexachloroethane	82.5	165	82.5	1	U
Nitrobenzene	82.5	165	82.5	1	U
Isophorone	82.5	165	82.5	1	U
2-Nitrophenol	82.5	165	82.5	1	U
2,4-Dimethylphenol	82.5	165	82.5	1	U
Bis(2-Chloroethoxy)Methane	82.5	165	82.5	1	U
2,4-Dichlorophenol	82.5	165	82.5	1	U
1,2,4-Trichlorobenzene	82.5	165	82.5	1	U
Naphthalene	82.5	165	82.5	1	U
4-Chloroaniline	82.5	165	82.5	1	U
Hexachlorobutadiene	82.5	165	82.5	1	U
4-Chloro-3-methylphenol	82.5	165	82.5	1	U
2-Methylnaphthalene	82.5	165	82.5	1	U
Hexachlorocyclopentadiene	82.5	165	82.5	1	U
2,4,6-Trichlorophenol	82.5	165	82.5	1	U
2,4,5-Trichlorophenol	82.5	165	82.5	1	U
2-Chloronaphthalene	82.5	165	82.5	1	U
2-Nitroaniline	330	825	330	1	U
Dimethylphthalate	82.5	165	82.5	1	U
Acenaphthylene	82.5	165	82.5	1	U
2,6-Dinitrotoluene	82.5	165	82.5	1	U
3-Nitroaniline	330	825	330	1	U
Acenaphthene	82.5	165	82.5	1	U
2,4-Dinitrophenol	330	825	330	1	U
4-Nitrophenol	330	825	330	1	U
Dibenzofuran	82.5	165	82.5	1	U
2,4-Dinitrotoluene	82.5	165	82.5	1	U
Diethylphthalate	82.5	165	82.5	1	U
4-Chlorophenyl-phenyl ether	82.5	165	82.5	1	U
Fluorene	82.5	165	82.5	1	U
4-Nitroaniline	330	825	330	1	U
4,6-Dinitro-2-methylphenol	330	825	330	1	U

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KEMRON Environmental Services

METHOD BLANK REPORT

Login Number: L0510264 Run Date: 10/14/2005 Sample ID: WG198622-02
Instrument ID: HPMS4 Run Time: 15:46 Prep Method: 3545
File ID: 4M30416 Analyst: CLK Method: 8270C
Workgroup (AAB#): WG198740 Matrix: Soil Units: ug/kg
Contract #: Cal ID: HPMS4-13-OCT-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
N-Nitrosodiphenylamine	82.5	165	82.5	1	U
4-Bromophenyl-phenylether	82.5	165	82.5	1	U
Hexachlorobenzene	82.5	165	82.5	1	U
Pentachlorophenol	330	825	330	1	U
Phenanthrene	82.5	165	82.5	1	U
Anthracene	82.5	165	82.5	1	U
Di-N-Butylphthalate	82.5	165	82.5	1	U
Fluoranthene	82.5	165	82.5	1	U
Pyrene	82.5	165	82.5	1	U
Butylbenzylphthalate	82.5	165	82.5	1	U
3,3'-Dichlorobenzidine	165	330	165	1	U
Benzo(a)anthracene	82.5	165	82.5	1	U
Chrysene	82.5	165	82.5	1	U
bis(2-Ethylhexyl)phthalate	82.5	165	82.5	1	U
Di-n-octylphthalate	82.5	165	82.5	1	U
Benzo(b)fluoranthene	82.5	165	82.5	1	U
Benzo(k)fluoranthene	82.5	165	82.5	1	U
Benzo(a)pyrene	82.5	165	82.5	1	U
Indeno(1,2,3-cd)pyrene	82.5	165	82.5	1	U
Dibenzo(a,h)Anthracene	82.5	165	82.5	1	U
Benzo(g,h,i)Perylene	82.5	165	82.5	1	U
Carbazole	82.5	165	82.5	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
2-Fluorophenol	60.2	25 - 121	PASS
Phenol-d5	69.9	24 - 113	PASS
Nitrobenzene-d5	66.5	23 - 120	PASS
2-Fluorobiphenyl	63.3	30 - 115	PASS
2,4,6-Tribromophenol	65.8	19 - 122	PASS
p-Terphenyl-d14	106	18 - 137	PASS

MDL Method Detection Limit
RL Reporting/quantitation Limit
* Analyte concentration > RL
ND Analyte Not detected at or above reporting limit

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KEMRON Environmental Services

LABORATORY CONTROL SAMPLE

Login Number: L0510264 Run Date: 10/14/2005 Sample ID: WG198622-03
Instrument ID: HPMS4 Run Time: 16:20 Prep Method: 3545
File ID: 4M30417 Analyst: CLK Method: 8270C
Workgroup (AAB#): WG198740 Matrix: Soil Units: ug/kg
Contract #: Cal ID: HPMS4-13-OCT-05

Analytes	Expected	Found	% Rec	LCS Limits	Q
Phenol	2500	1510	60.4	30 - 110	
Bis(2-Chloroethyl)ether	2500	1480	59.1	29 - 100	
2-Chlorophenol	2500	1440	57.6	30 - 115	
1,3-Dichlorobenzene	2500	1440	57.8	30 - 110	
1,4-Dichlorobenzene	2500	1390	55.5	30 - 105	
1,2-Dichlorobenzene	2500	1480	59.2	30 - 105	
2-Methylphenol	2500	1500	60.0	31 - 100	
3-,4-Methylphenol	2500	1500	60.0	30 - 120	
bis(2-chloroisopropyl)ether	2500	1490	59.5	20 - 115	
N-Nitrosodipropylamine	2500	1570	62.6	31 - 110	
Hexachloroethane	2500	1400	56.0	30 - 90	
Nitrobenzene	2500	1420	56.7	30 - 115	
Isophorone	2500	1600	63.8	30 - 110	
2-Nitrophenol	2500	1420	56.8	30 - 100	
2,4-Dimethylphenol	2500	1550	62.0	30 - 105	
Bis(2-Chloroethoxy)Methane	2500	1350	54.2	27 - 100	
2,4-Dichlorophenol	2500	1350	54.2	30 - 120	
1,2,4-Trichlorobenzene	2500	1300	52.1	29 - 90	
Naphthalene	2500	1380	55.2	30 - 120	
4-Chloroaniline	2500	1430	57.1	25 - 100	
Hexachlorobutadiene	2500	1400	55.9	30 - 100	
4-Chloro-3-methylphenol	2500	1470	58.9	31 - 100	
2-Methylnaphthalene	2500	1370	54.9	29 - 85	
Hexachlorocyclopentadiene	2500	1720	68.6	24 - 110	
2,4,6-Trichlorophenol	2500	1470	58.7	35 - 120	
2,4,5-Trichlorophenol	2500	1550	62.0	35 - 110	
2-Chloronaphthalene	2500	1450	57.9	35 - 115	
2-Nitroaniline	2500	1670	66.9	32 - 120	
Dimethylphthalate	2500	1620	64.9	40 - 120	
Acenaphthylene	2500	1620	64.6	35 - 110	
2,6-Dinitrotoluene	2500	1680	67.0	45 - 125	
3-Nitroaniline	2500	2160	86.2	34 - 130	
Acenaphthene	2500	1560	62.4	35 - 110	
2,4-Dinitrophenol	2500	1880	75.2	40 - 130	
4-Nitrophenol	2500	3040	121	36 - 140	
Dibenzofuran	2500	1480	59.0	35 - 110	
2,4-Dinitrotoluene	2500	2180	87.2	50 - 130	
Diethylphthalate	2500	2010	80.4	50 - 130	
4-Chlorophenyl-phenyl ether	2500	1480	59.2	36 - 110	
Fluorene	2500	1640	65.7	40 - 115	
4-Nitroaniline	2500	3290	131	35 - 140	

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KEMRON Environmental Services

LABORATORY CONTROL SAMPLE

Login Number: L0510264 Run Date: 10/14/2005 Sample ID: WG198622-03
Instrument ID: HPMS4 Run Time: 16:20 Prep Method: 3545
File ID: 4M30417 Analyst: CLK Method: 8270C
Workgroup (AAB#): WG198740 Matrix: Soil Units: ug/kg
Contract #: Cal ID: HPMS4-13-OCT-05

Analytes	Expected	Found	% Rec	LCS Limits	Q
4,6-Dinitro-2-methylphenol	2500	2360	94.2	43 - 130	
N-Nitrosodiphenylamine	2500	2050	82.0	40 - 125	
4-Bromophenyl-phenylether	2500	1490	59.7	35 - 130	
Hexachlorobenzene	2500	1980	79.0	45 - 120	
Pentachlorophenol	2500	2850	114	47 - 150	
Phenanthrene	2500	2160	86.3	42 - 130	
Anthracene	2500	2310	92.3	55 - 130	
Di-N-Butylphthalate	2500	2690	107	55 - 140	
Fluoranthene	2500	2750	110	45 - 125	
Pyrene	2500	2670	107	45 - 135	
Butylbenzylphthalate	2500	2730	109	40 - 150	
3,3'-Dichlorobenzidine	2500	2800	112	40 - 150	
Benzo(a)anthracene	2500	2750	110	50 - 120	
Chrysene	2500	2780	111	55 - 140	
bis(2-Ethylhexyl)phthalate	2500	2710	108	50 - 150	
Di-n-octylphthalate	2500	2610	104	40 - 145	
Benzo(b)fluoranthene	2500	2610	104	45 - 125	
Benzo(k)fluoranthene	2500	2770	111	45 - 135	
Benzo(a)pyrene	2500	2710	108	50 - 130	
Indeno(1,2,3-cd)pyrene	2500	2760	110	40 - 135	
Dibenzo(a,h)Anthracene	2500	2840	114	40 - 140	
Benzo(g,h,i)Perylene	2500	2840	114	40 - 140	
Carbazole	2500	2950	118	36 - 140	

Surrogates	% Recovery	Surrogate Limits	Qualifier
2-Fluorophenol	53.9	25 - 121	PASS
Phenol-d5	61.9	24 - 113	PASS
Nitrobenzene-d5	56.6	23 - 120	PASS
2-Fluorobiphenyl	57.5	30 - 115	PASS
2,4,6-Tribromophenol	74.7	19 - 122	PASS
p-Terphenyl-d14	103	18 - 137	PASS

* FAILS %REC LIMIT

KEMRON FORMS - Modified 09/09/2005
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KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK

DFTPP

Login Number: L0510264
Instrument: HPMS4
Analyst: CLK
Workgroup: WG198264

Tune ID: WG198264-01
Run Date: 10/13/2005
Run Time: 08:38
File ID: 4M30390
Cal ID: HPMS4-13-OCT-05

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
51.0	198	30.0	60.0	44.8	61261	PASS
68.0	69.0	0	2.00	0	0	PASS
69.0	198	0	100	45.7	62416	PASS
70.0	69.0	0	2.00	0.341	213	PASS
127	198	40.0	60.0	51.1	69858	PASS
197	198	0	1.00	0.290	396	PASS
198	198	100	100	100	136642	PASS
199	198	5.00	9.00	6.77	9246	PASS
275	198	10.0	30.0	23.9	32642	PASS
365	198	1.00	100	2.63	3590	PASS
441	443	0.0100	100	76.0	14113	PASS
442	198	40.0	100	70.1	95786	PASS
443	442	17.0	23.0	19.4	18562	PASS

This check relates to the following samples, MS, MSD:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG198264-09	SSCV	01	10/13/2005 13:14	
WG198264-08	STD	01	10/13/2005 12:28	
WG198264-07	STD	01	10/13/2005 11:53	
WG198264-06	STD	01	10/13/2005 11:19	
WG198264-05	STD	01	10/13/2005 10:43	
WG198264-04	STD	01	10/13/2005 10:08	
WG198264-03	STD	01	10/13/2005 09:32	
WG198264-02	CCV	01	10/13/2005 08:57	

* Sample past 12 hour tune limit

KEMRON FORMS - Modified 10/10/2005
Version 1.3 PDF File ID: 336532
Report generated 10/17/2005 11:33

KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK

DFTPP

Login Number: L0510264
Instrument: HPMS4
Analyst: CLK
Workgroup: WG198660

Tune ID: WG198660-01
Run Date: 10/14/2005
Run Time: 11:29
File ID: 4M30409
Cal ID: HPMS4 -13-OCT-05

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
51.0	198	30.0	60.0	45.3	67384	PASS
68.0	69.0	0	2.00	0	0	PASS
69.0	198	0	100	46.2	68658	PASS
70.0	69.0	0	2.00	0.406	279	PASS
127	198	40.0	60.0	51.3	76336	PASS
197	198	0	1.00	0.334	496	PASS
198	198	100	100	100	148693	PASS
199	198	5.00	9.00	6.63	9862	PASS
275	198	10.0	30.0	24.6	36552	PASS
365	198	1.00	100	2.63	3915	PASS
441	443	0.0100	100	78.1	17140	PASS
442	198	40.0	100	75.5	112266	PASS
443	442	17.0	23.0	19.5	21941	PASS

This check relates to the following samples, MS, MSD:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG198622-02	BLANK	01	10/14/2005 15:46	
WG198622-03	LCS	01	10/14/2005 16:20	
L0510264-03	41-BF2-S-1012-05	01	10/14/2005 16:54	
L0510264-04	41-TS2-S-1012-05	01	10/14/2005 17:29	
L0510264-01	41-BG1-S-1012-05	01	10/14/2005 18:04	
L0510264-02	41-BG2-S-1012-05	DL01	10/14/2005 18:39	

* Sample past 12 hour tune limit

KEMRON FORMS - Modified 10/10/2005
Version 1.3 PDF File ID: 336535
Report generated 10/17/2005 11:33

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264
Analytical Method: 8270C
ICAL Workgroup: WG198264

Instrument ID: HPMS4
Initial Calibration Date: 13-OCT-05

Analyte		AVG RF	% RSD	R2	QUAD
1,4-Dichlorobenzene	CCC	1.433	5.85		
2,4,6-Trichlorophenol	CCC	0.3424	11.6		
2,4-Dichlorophenol	CCC	0.2606	9.88		
2-Nitrophenol	CCC	0.1563	14.1		
4-Chloro-3-Methylphenol	CCC	0.2644	10.3		
Acenaphthene	CCC	1.002	7.15		
Benzo[a]pyrene	CCC	1.387	9.06		
Di-n-Octyl Phthalate	CCC	1.791	11.2		
Fluoranthene	CCC	1.148	7.54		
Hexachlorobutadiene	CCC	0.1609	6.52		
Pentachlorophenol	CCC	0.1404	8.87		
Phenol	CCC	1.513	8.36		
n-Nitrosodiphenylamine	CCC	0.5058	7.77		
2,4-Dinitrophenol	SPCC	0.1284	22.3	0.998	
4-Nitrophenol	SPCC	0.1864	5.31		
Hexachlorocyclopentadiene	SPCC	0.1863	20.6	0.999	
n-Nitrosodipropylamine	SPCC	0.8469	8.25		
1,2,4-Trichlorobenzene		0.2934	5.32		
1,2-Dichlorobenzene		1.310	6.03		
1,3-Dichlorobenzene		1.382	7.01		
2,4,5-Trichlorophenol		0.3660	11.5		
2,4-Dimethylphenol		0.2894	6.47		
2,4-Dinitrotoluene		0.3493	16.4	1.00	
2,6-Dinitrotoluene		0.2769	16.0	0.999	
2-Chloronaphthalene		1.082	6.25		
2-Chlorophenol		1.281	9.14		
2-Methylnaphthalene		0.6205	7.04		
2-Methylphenol		0.9984	8.35		
2-Nitroaniline		0.3197	4.01		
3,3'-Dichlorobenzidine		0.3307	6.31		
3-,4-Methylphenol		1.430	9.26		
3-Nitroaniline		0.2727	5.69		
4,6-Dinitro-2-Methylphenol		0.1223	13.4		
4-Bromophenyl Phenyl Ether		0.2126	7.84		
4-Chloroaniline		0.3536	7.65		
4-Chlorophenyl Phenyl Ether		0.6163	7.86		
4-Nitroaniline		0.2194	9.72		
Acenaphthylene		1.569	8.68		
Anthracene		1.065	7.30		
Benzo[a]anthracene		1.170	5.94		
Benzo[b]fluoranthene		1.551	8.55		
Benzo[ghi]perylene		1.198	8.86		
Benzo[k]fluoranthene		1.466	7.69		
Butyl Benzyl Phthalate		0.5735	7.64		
Carbazole		0.8292	12.1		

KEMRON FORMS - Modified 10/02/2005
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KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264
Analytical Method: 8270C
ICAL Workgroup: WG198264

Instrument ID: HPMS4
Initial Calibration Date: 13-OCT-05

Analyte		AVG RF	% RSD	R2	QUAD
Chrysene		1.113	7.21		
Di-n-Butyl Phthalate		1.206	8.73		
Dibenz[ah]anthracene		1.192	9.61		
Dibenzofuran		1.551	6.28		
Diethylphthalate		1.152	7.50		
Dimethylphthalate		1.234	7.05		
Fluorene		1.200	7.51		
Hexachlorobenzene		0.2054	6.65		
Hexachloroethane		0.4851	9.01		
Indeno[1,2,3-cd]pyrene		1.459	8.28		
Isophorone		0.5211	8.76		
Naphthalene		0.9519	5.96		
Nitrobenzene		0.3281	7.54		
Phenanthrene		1.086	6.78		
Pyrene		1.294	7.14		
bis(2-Chloroethoxy)methane		0.3646	6.59		
bis(2-Chloroethyl)ether		0.8543	7.82		
bis(2-Chloroisopropyl)ether		1.693	7.05		
bis(2-Ethylhexyl)phthalate		0.7829	8.48		

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 **Instrument ID:** HPMS4

Analytical Method: 8270C **Initial Calibration Date:** 13-OCT-05

Analyte	WG198264-02			WG198264-03		
	CONC	RESP	RF	CONC	RESP	RF
1,4-Dichlorobenzene	50.0	440203	1.471	3.00	29282	1.254
2,4,6-Trichlorophenol	50.0	242541	0.3568	3.00	12781	0.2571
2,4-Dichlorophenol	50.0	325151	0.2706	3.00	18529	0.2039
2-Nitrophenol	50.0	206823	0.1721	3.00	9993	0.1100
4-Chloro-3-Methylphenol	50.0	338582	0.2818	3.00	18632	0.2051
Acenaphthene	50.0	716942	1.055	3.00	44263	0.8902
Benzo[a]pyrene	50.0	1120270	1.457	3.00	58588	1.114
Di-n-Octyl Phthalate	50.0	1490301	1.939	3.00	72009	1.369
Fluoranthene	50.0	1362353	1.218	3.00	79280	0.9854
Hexachlorobutadiene	50.0	197292	0.1642	3.00	12592	0.1386
Pentachlorophenol	50.0	157127	0.1405	NA	NA	NA
Phenol	50.0	476113	1.591	3.00	28900	1.238
n-Nitrosodiphenylamine	50.0	590198	0.5276	3.00	34201	0.4251
2,4-Dinitrophenol	50.0	85872	0.1263	NA	NA	NA
4-Nitrophenol	50.0	131253	0.1931	NA	NA	NA
Hexachlorocyclopentadiene	50.0	136342	0.2006	3.00	5473	0.1101
n-Nitrosodipropylamine	50.0	265480	0.8870	3.00	16223	0.6948
1,2,4-Trichlorobenzene	50.0	360417	0.3000	3.00	23718	0.2611
1,2-Dichlorobenzene	50.0	402998	1.347	3.00	26571	1.138
1,3-Dichlorobenzene	50.0	427027	1.427	3.00	27381	1.173
2,4,5-Trichlorophenol	50.0	261618	0.3849	3.00	13709	0.2757
2,4-Dimethylphenol	50.0	366566	0.3051	3.00	25434	0.2799
2,4-Dinitrotoluene	50.0	253859	0.3735	3.00	11307	0.2274
2,6-Dinitrotoluene	50.0	200321	0.2947	3.00	9077	0.1826
2-Chloronaphthalene	50.0	761529	1.120	3.00	47616	0.9576
2-Chlorophenol	50.0	398716	1.332	3.00	23987	1.027
2-Methylnaphthalene	50.0	783950	0.6525	3.00	49010	0.5394
2-Methylphenol	50.0	310972	1.039	3.00	18966	0.8123
2-Nitroaniline	50.0	225102	0.3312	NA	NA	NA
3,3'-Dichlorobenzidine	50.0	315819	0.3015	3.00	22308	0.3061
3-,4-Methylphenol	50.0	447017	1.494	3.00	26666	1.142
3-Nitroaniline	50.0	185071	0.2723	NA	NA	NA
4,6-Dinitro-2-Methylphenol	50.0	135012	0.1207	NA	NA	NA
4-Bromophenyl Phenyl Ether	50.0	245586	0.2196	3.00	14226	0.1768
4-Chloroaniline	50.0	440348	0.3665	3.00	27137	0.2987
4-Chlorophenyl Phenyl Ether	50.0	435241	0.6403	3.00	25733	0.5175
4-Nitroaniline	50.0	166007	0.2442	3.00	10154	0.2042
Acenaphthylene	50.0	1127293	1.658	3.00	64425	1.296
Anthracene	50.0	1259786	1.126	3.00	74705	0.9286
Benzo[a]anthracene	50.0	1268011	1.210	3.00	74460	1.022
Benzo[b]fluoranthene	50.0	1274513	1.658	3.00	66307	1.260
Benzo[ghi]perylene	50.0	958575	1.247	3.00	51010	0.9695

KEMRON FORMS - Modified 11/08/2004
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KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 **Instrument ID:** HPMS4

Analytical Method: 8270C **Initial Calibration Date:** 13-OCT-05

Analyte	WG198264-02			WG198264-03		
	CONC	RESP	RF	CONC	RESP	RF
Benzo[k]fluoranthene	50.0	1141027	1.484	3.00	64472	1.225
Butyl Benzyl Phthalate	50.0	637685	0.6087	3.00	35842	0.4918
Carbazole	50.0	990495	0.8855	3.00	65211	0.8106
Chrysene	50.0	1219009	1.164	3.00	68753	0.9434
Di-n-Butyl Phthalate	50.0	1451896	1.298	3.00	81950	1.019
Dibenz[ah]anthracene	50.0	953119	1.240	3.00	49593	0.9425
Dibenzofuran	50.0	1094715	1.611	3.00	68548	1.379
Diethylphthalate	50.0	823832	1.212	3.00	49046	0.9864
Dimethylphthalate	50.0	871308	1.282	3.00	52600	1.058
Fluorene	50.0	862872	1.269	3.00	52585	1.058
Hexachlorobenzene	50.0	237577	0.2124	3.00	14195	0.1764
Hexachloroethane	50.0	150120	0.5016	3.00	9109	0.3901
Indeno[1,2,3-cd]pyrene	50.0	1165449	1.516	3.00	62988	1.197
Isophorone	50.0	660291	0.5496	3.00	38523	0.4240
Naphthalene	50.0	1195392	0.9950	3.00	77142	0.8491
Nitrobenzene	50.0	415829	0.3461	3.00	25308	0.2786
Phenanthrene	50.0	1272975	1.138	3.00	78215	0.9722
Pyrene	50.0	1409843	1.346	3.00	83255	1.142
bis(2-Chloroethoxy)methane	50.0	457219	0.3806	3.00	28607	0.3149
bis(2-Chloroethyl)ether	50.0	269222	0.8995	3.00	16662	0.7136
bis(2-Chloroisopropyl)ether	50.0	533926	1.784	3.00	33914	1.453
bis(2-Ethylhexyl)phthalate	50.0	874083	0.8344	3.00	47550	0.6524

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 **Instrument ID:** HPMS4

Analytical Method: 8270C **Initial Calibration Date:** 13-OCT-05

Analyte	WG198264-04			WG198264-05		
	CONC	RESP	RF	CONC	RESP	RF
1,4-Dichlorobenzene	15.0	152579	1.439	25.0	295775	1.509
2,4,6-Trichlorophenol	15.0	77017	0.3284	25.0	154845	0.3637
2,4-Dichlorophenol	15.0	107775	0.2566	25.0	210066	0.2745
2-Nitrophenol	15.0	64029	0.1525	25.0	128066	0.1673
4-Chloro-3-Methylphenol	15.0	109197	0.2600	25.0	216756	0.2832
Acenaphthene	15.0	243481	1.038	25.0	469704	1.103
Benzo[a]pyrene	15.0	332767	1.362	25.0	667498	1.467
Di-n-Octyl Phthalate	15.0	446375	1.827	25.0	898291	1.975
Fluoranthene	15.0	443746	1.190	25.0	866556	1.245
Hexachlorobutadiene	15.0	67706	0.1612	25.0	131727	0.1721
Pentachlorophenol	15.0	44121	0.1183	25.0	93847	0.1348
Phenol	15.0	162274	1.531	25.0	315206	1.608
n-Nitrosodiphenylamine	15.0	195871	0.5252	25.0	381402	0.5478
2,4-Dinitrophenol	15.0	19231	0.08200	25.0	46462	0.1091
4-Nitrophenol	15.0	43327	0.1848	25.0	86179	0.2024
Hexachlorocyclopentadiene	15.0	39436	0.1682	25.0	76677	0.1801
n-Nitrosodipropylamine	15.0	90696	0.8555	25.0	175940	0.8974
1,2,4-Trichlorobenzene	15.0	123646	0.2944	25.0	238372	0.3115
1,2-Dichlorobenzene	15.0	138247	1.304	25.0	267996	1.367
1,3-Dichlorobenzene	15.0	145916	1.376	25.0	287335	1.466
2,4,5-Trichlorophenol	15.0	82664	0.3525	25.0	165092	0.3877
2,4-Dimethylphenol	15.0	128857	0.3069	25.0	240279	0.3140
2,4-Dinitrotoluene	15.0	76867	0.3278	25.0	157703	0.3704
2,6-Dinitrotoluene	15.0	60853	0.2595	25.0	127278	0.2989
2-Chloronaphthalene	15.0	257310	1.097	25.0	500234	1.175
2-Chlorophenol	15.0	132510	1.250	25.0	262159	1.337
2-Methylnaphthalene	15.0	267473	0.6369	25.0	516474	0.6749
2-Methylphenol	15.0	106820	1.008	25.0	203820	1.040
2-Nitroaniline	15.0	70839	0.3021	25.0	142844	0.3355
3,3'-Dichlorobenzidine	15.0	121628	0.3557	25.0	217923	0.3439
3-,4-Methylphenol	15.0	148936	1.405	25.0	293583	1.498
3-Nitroaniline	15.0	63095	0.2691	25.0	126810	0.2978
4,6-Dinitro-2-Methylphenol	15.0	35874	0.09620	25.0	77241	0.1109
4-Bromophenyl Phenyl Ether	15.0	80945	0.2170	25.0	159255	0.2287
4-Chloroaniline	15.0	151995	0.3620	25.0	295446	0.3861
4-Chlorophenyl Phenyl Ether	15.0	146046	0.6228	25.0	286251	0.6723
4-Nitroaniline	15.0	45420	0.1937	25.0	83180	0.1954
Acenaphthylene	15.0	376441	1.605	25.0	733118	1.722
Anthracene	15.0	413121	1.108	25.0	807967	1.161
Benzo[a]anthracene	15.0	398706	1.166	25.0	780975	1.233
Benzo[b]fluoranthene	15.0	380203	1.556	25.0	739255	1.625
Benzo[ghi]perylene	15.0	285785	1.169	25.0	573616	1.261

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KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 **Instrument ID:** HPMS4

Analytical Method: 8270C **Initial Calibration Date:** 13-OCT-05

Analyte	WG198264-04			WG198264-05		
	CONC	RESP	RF	CONC	RESP	RF
Benzo[k]fluoranthene	15.0	354078	1.449	25.0	712291	1.566
Butyl Benzyl Phthalate	15.0	199740	0.5841	25.0	398469	0.6288
Carbazole	15.0	360367	0.9663	25.0	650270	0.9340
Chrysene	15.0	380575	1.113	25.0	754115	1.190
Di-n-Butyl Phthalate	15.0	471539	1.264	25.0	923303	1.326
Dibenz[ah]anthracene	15.0	285356	1.168	25.0	573748	1.261
Dibenzofuran	15.0	374160	1.596	25.0	716056	1.682
Diethylphthalate	15.0	275661	1.176	25.0	535324	1.257
Dimethylphthalate	15.0	291547	1.243	25.0	568732	1.336
Fluorene	15.0	291918	1.245	25.0	563346	1.323
Hexachlorobenzene	15.0	78060	0.2093	25.0	152515	0.2191
Hexachloroethane	15.0	50550	0.4768	25.0	99474	0.5074
Indeno[1,2,3-cd]pyrene	15.0	349756	1.431	25.0	695806	1.529
Isophorone	15.0	225340	0.5366	25.0	431179	0.5634
Naphthalene	15.0	407371	0.9701	25.0	786821	1.028
Nitrobenzene	15.0	141196	0.3362	25.0	271647	0.3550
Phenanthrene	15.0	423462	1.136	25.0	826127	1.187
Pyrene	15.0	461755	1.350	25.0	901380	1.423
bis(2-Chloroethoxy)methane	15.0	155860	0.3712	25.0	297906	0.3893
bis(2-Chloroethyl)ether	15.0	93729	0.8841	25.0	178401	0.9100
bis(2-Chloroisopropyl)ether	15.0	185177	1.747	25.0	353445	1.803
bis(2-Ethylhexyl)phthalate	15.0	274631	0.8032	25.0	543629	0.8579

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 **Instrument ID:** HPMS4

Analytical Method: 8270C **Initial Calibration Date:** 13-OCT-05

Analyte	WG198264-06			WG198264-07		
	CONC	RESP	RF	CONC	RESP	RF
1,4-Dichlorobenzene	80.0	948411	1.472	100	1313604	1.468
2,4,6-Trichlorophenol	80.0	547141	0.3681	100	767528	0.3640
2,4-Dichlorophenol	80.0	716080	0.2744	100	1013277	0.2743
2-Nitrophenol	80.0	457169	0.1752	100	589437	0.1595
4-Chloro-3-Methylphenol	80.0	726746	0.2785	100	1009391	0.2732
Acenaphthene	80.0	1499844	1.009	100	2044529	0.9696
Benzo[a]pyrene	80.0	2495030	1.454	100	3562778	1.434
Di-n-Octyl Phthalate	80.0	3209431	1.871	100	4436523	1.785
Fluoranthene	80.0	2890927	1.166	100	3972520	1.127
Hexachlorobutadiene	80.0	430702	0.1650	100	605172	0.1638
Pentachlorophenol	80.0	367985	0.1484	100	528143	0.1498
Phenol	80.0	1008216	1.564	100	1394200	1.558
n-Nitrosodiphenylamine	80.0	1273424	0.5135	100	1777937	0.5043
2,4-Dinitrophenol	80.0	219382	0.1476	100	325341	0.1543
4-Nitrophenol	80.0	273978	0.1843	100	377072	0.1788
Hexachlorocyclopentadiene	80.0	317179	0.2134	100	459931	0.2181
n-Nitrosodipropylamine	80.0	563965	0.8750	100	787139	0.8794
1,2,4-Trichlorobenzene	80.0	780605	0.2991	100	1094213	0.2962
1,2-Dichlorobenzene	80.0	868362	1.347	100	1211105	1.353
1,3-Dichlorobenzene	80.0	918312	1.425	100	1274341	1.424
2,4,5-Trichlorophenol	80.0	580275	0.3904	100	823453	0.3905
2,4-Dimethylphenol	80.0	731287	0.2802	100	1006626	0.2725
2,4-Dinitrotoluene	80.0	571071	0.3842	100	808781	0.3835
2,6-Dinitrotoluene	80.0	453741	0.3052	100	633667	0.3005
2-Chloronaphthalene	80.0	1639859	1.103	100	2257265	1.070
2-Chlorophenol	80.0	867202	1.346	100	1212320	1.354
2-Methylnaphthalene	80.0	1643668	0.6298	100	2256057	0.6106
2-Methylphenol	80.0	668557	1.037	100	933126	1.043
2-Nitroaniline	80.0	480774	0.3234	100	667327	0.3165
3,3'-Dichlorobenzidine	80.0	743763	0.3233	100	1131735	0.3461
3-,4-Methylphenol	80.0	972613	1.509	100	1350836	1.509
3-Nitroaniline	80.0	375683	0.2527	100	592358	0.2809
4,6-Dinitro-2-Methylphenol	80.0	326109	0.1315	100	485389	0.1377
4-Bromophenyl Phenyl Ether	80.0	545404	0.2199	100	755318	0.2142
4-Chloroaniline	80.0	918823	0.3520	100	1335462	0.3615
4-Chlorophenyl Phenyl Ether	80.0	947234	0.6372	100	1306301	0.6195
4-Nitroaniline	80.0	354412	0.2384	100	472925	0.2243
Acenaphthylene	80.0	2402469	1.616	100	3285173	1.558
Anthracene	80.0	2659704	1.073	100	3657907	1.038
Benzo[a]anthracene	80.0	2774875	1.206	100	3866056	1.182
Benzo[b]fluoranthene	80.0	2741999	1.598	100	3942493	1.587
Benzo[ghi]perylene	80.0	2150307	1.254	100	3147376	1.267

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KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 **Instrument ID:** HPMS4

Analytical Method: 8270C **Initial Calibration Date:** 13-OCT-05

Analyte	WG198264-06			WG198264-07		
	CONC	RESP	RF	CONC	RESP	RF
Benzo[k]fluoranthene	80.0	2642728	1.541	100	3736689	1.504
Butyl Benzyl Phthalate	80.0	1336373	0.5808	100	1834736	0.5611
Carbazole	80.0	1859183	0.7498	100	2638828	0.7485
Chrysene	80.0	2641009	1.148	100	3672469	1.123
Di-n-Butyl Phthalate	80.0	3028086	1.221	100	4106012	1.165
Dibenz[ah]anthracene	80.0	2143432	1.250	100	3129376	1.259
Dibenzofuran	80.0	2336824	1.572	100	3221387	1.528
Diethylphthalate	80.0	1749753	1.177	100	2405133	1.141
Dimethylphthalate	80.0	1890164	1.272	100	2596980	1.232
Fluorene	80.0	1803715	1.213	100	2450676	1.162
Hexachlorobenzene	80.0	521867	0.2105	100	729491	0.2069
Hexachloroethane	80.0	330012	0.5120	100	459282	0.5131
Indeno[1,2,3-cd]pyrene	80.0	2605340	1.519	100	3811408	1.534
Isophorone	80.0	1393960	0.5341	100	1940465	0.5252
Naphthalene	80.0	2470641	0.9466	100	3505144	0.9487
Nitrobenzene	80.0	874583	0.3351	100	1198657	0.3244
Phenanthrene	80.0	2702487	1.090	100	3705945	1.051
Pyrene	80.0	3022444	1.314	100	4087314	1.250
bis(2-Chloroethoxy)methane	80.0	971299	0.3722	100	1346894	0.3646
bis(2-Chloroethyl)ether	80.0	562569	0.8728	100	776018	0.8670
bis(2-Chloroisopropyl)ether	80.0	1112080	1.725	100	1524173	1.703
bis(2-Ethylhexyl)phthalate	80.0	1835568	0.7978	100	2526524	0.7726

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 **Instrument ID:** HPMS4

Analytical Method: 8270C **Initial Calibration Date:** 13-OCT-05

Analyte	WG198264-08		
	CONC	RESP	RF
1,4-Dichlorobenzene	120	1360826	1.417
2,4,6-Trichlorophenol	120	794374	0.3588
2,4-Dichlorophenol	120	1046301	0.2698
2-Nitrophenol	120	609574	0.1572
4-Chloro-3-Methylphenol	120	1042090	0.2688
Acenaphthene	120	2100181	0.9487
Benzo[a]pyrene	120	3640933	1.421
Di-n-Octyl Phthalate	120	4547288	1.774
Fluoranthene	120	4055792	1.106
Hexachlorobutadiene	120	624884	0.1612
Pentachlorophenol	120	552083	0.1506
Phenol	120	1441007	1.501
n-Nitrosodiphenylamine	120	1822057	0.4970
2,4-Dinitrophenol	120	334855	0.1513
4-Nitrophenol	120	387888	0.1752
Hexachlorocyclopentadiene	120	472633	0.2135
n-Nitrosodipropylamine	120	805603	0.8389
1,2,4-Trichlorobenzene	120	1129401	0.2913
1,2-Dichlorobenzene	120	1258999	1.311
1,3-Dichlorobenzene	120	1330987	1.386
2,4,5-Trichlorophenol	120	842025	0.3803
2,4-Dimethylphenol	120	1036271	0.2673
2,4-Dinitrotoluene	120	837712	0.3784
2,6-Dinitrotoluene	120	656522	0.2966
2-Chloronaphthalene	120	2323836	1.050
2-Chlorophenol	120	1268681	1.321
2-Methylnaphthalene	120	2324944	0.5996
2-Methylphenol	120	970128	1.010
2-Nitroaniline	120	685088	0.3095
3,3'-Dichlorobenzidine	120	1150279	0.3386
3-,4-Methylphenol	120	1396825	1.455
3-Nitroaniline	120	582485	0.2631
4,6-Dinitro-2-Methylphenol	120	502393	0.1370
4-Bromophenyl Phenyl Ether	120	776192	0.2117
4-Chloroaniline	120	1351430	0.3485
4-Chlorophenyl Phenyl Ether	120	1338370	0.6045
4-Nitroaniline	120	521299	0.2355
Acenaphthylene	120	3383629	1.528
Anthracene	120	3735141	1.019
Benzo[a]anthracene	120	3976063	1.170
Benzo[b]fluoranthene	120	4037041	1.575
Benzo[ghi]perylene	120	3116888	1.216

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KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 Instrument ID: HPMS4

Analytical Method: 8270C Initial Calibration Date: 13-OCT-05

Analyte	WG198264-08		
	CONC	RESP	RF
Benzo[k]fluoranthene	120	3831506	1.495
Butyl Benzyl Phthalate	120	1899445	0.5591
Carbazole	120	2603217	0.7100
Chrysene	120	3771213	1.110
Di-n-Butyl Phthalate	120	4214264	1.149
Dibenz[ah]anthracene	120	3137736	1.224
Dibenzofuran	120	3300628	1.491
Diethylphthalate	120	2469972	1.116
Dimethylphthalate	120	2697886	1.219
Fluorene	120	2503111	1.131
Hexachlorobenzene	120	746105	0.2035
Hexachloroethane	120	474745	0.4944
Indeno[1,2,3-cd]pyrene	120	3817317	1.489
Isophorone	120	1995310	0.5146
Naphthalene	120	3588421	0.9255
Nitrobenzene	120	1246693	0.3215
Phenanthrene	120	3777472	1.030
Pyrene	120	4194488	1.235
bis(2-Chloroethoxy)methane	120	1393275	0.3593
bis(2-Chloroethyl)ether	120	799926	0.8330
bis(2-Chloroisopropyl)ether	120	1570366	1.635
bis(2-Ethylhexyl)phthalate	120	2589234	0.7622

KEMRON Environmental Services

ALTERNATE SOURCE CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/13/2005 Sample ID: WG198264-09
Instrument ID: HPMS4 Run Time: 13:14 Method: 8270C
File ID: 4M30398 Analyst: CLK
ICal Workgroup: WG198264 Cal ID: HPMS4 - 13-OCT-05

Analyte		Expected	Found	RF	%D	UNITS	Q
Phenol	CCC	50	51.8	1.57	3.6	ug/mL	
1,4-Dichlorobenzene	CCC	50	50.8	1.45	1.5	ug/mL	
2-Nitrophenol	CCC	50	55.9	0.175	11.9	ug/mL	
2,4-Dichlorophenol	CCC	50	51.1	0.266	2.1	ug/mL	
Hexachlorobutadiene	CCC	50	56.2	0.181	12.4	ug/mL	
4-Chloro-3-Methylphenol	CCC	50	51.5	0.273	3.1	ug/mL	
2,4,6-Trichlorophenol	CCC	50	52.1	0.357	4.1	ug/mL	
Acenaphthene	CCC	50	52.5	1.05	5.1	ug/mL	
n-Nitrosodiphenylamine	CCC	50	53.1	0.537	6.1	ug/mL	
Pentachlorophenol	CCC	50	49.5	0.139	1.1	ug/mL	
Fluoranthene	CCC	50	52.1	1.20	4.2	ug/mL	
Di-n-Octyl Phthalate	CCC	50	51.5	1.85	3	ug/mL	
Benzo[a]pyrene	CCC	50	50.5	1.40	.9	ug/mL	
n-Nitrosodipropylamine	SPCC	50	54.5	0.924	9.1	ug/mL	
Hexachlorocyclopentadiene	SPCC	50	58.5	0.244	16.9	ug/mL	
2,4-Dinitrophenol	SPCC	50	46.7	0.125	6.5	ug/mL	
4-Nitrophenol	SPCC	50	51.4	0.192	2.7	ug/mL	
bis(2-Chloroethyl)ether		50	51.2	0.876	2.5	ug/mL	
2-Chlorophenol		50	51.3	1.32	2.7	ug/mL	
1,3-Dichlorobenzene		50	52.5	1.45	4.9	ug/mL	
1,2-Dichlorobenzene		50	53.4	1.40	6.7	ug/mL	
2-Methylphenol		50	51.6	1.03	3.2	ug/mL	
3-,4-Methylphenol		50	51.3	1.47	2.6	ug/mL	
bis(2-Chloroisopropyl)ether		50	51.5	1.74	3	ug/mL	
Hexachloroethane		50	51.0	0.495	2	ug/mL	
Nitrobenzene		50	51.7	0.340	3.5	ug/mL	
Isophorone		50	59.1	0.616	18.3	ug/mL	
2,4-Dimethylphenol		50	52.5	0.304	5	ug/mL	
bis(2-Chloroethoxy)methane		50	51.0	0.372	2.1	ug/mL	
1,2,4-Trichlorobenzene		50	50.2	0.295	.4	ug/mL	
Naphthalene		50	50.8	0.967	1.5	ug/mL	
4-Chloroaniline		50	50.9	0.360	1.8	ug/mL	
2-Methylnaphthalene		50	50.7	0.629	1.3	ug/mL	
2,4,5-Trichlorophenol		50	52.4	0.384	4.9	ug/mL	
2-Chloronaphthalene		50	51.4	1.11	2.9	ug/mL	
2-Nitroaniline		50	53.3	0.341	6.6	ug/mL	
Dimethylphthalate		50	51.2	1.26	2.4	ug/mL	
Acenaphthylene		50	56.2	1.76	12.4	ug/mL	
2,6-Dinitrotoluene		50	50.6	0.300	1.2	ug/mL	
3-Nitroaniline		50	50.9	0.278	1.8	ug/mL	
Dibenzofuran		50	51.2	1.59	2.4	ug/mL	
2,4-Dinitrotoluene		50	50.9	0.383	1.9	ug/mL	

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KEMRON Environmental Services

ALTERNATE SOURCE CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/13/2005 Sample ID: WG198264-09
Instrument ID: HPMS4 Run Time: 13:14 Method: 8270C
File ID: 4M30398 Analyst: CLK
ICal Workgroup: WG198264 Cal ID: HPMS4 - 13-OCT-05

Analyte		Expected	Found	RF	%D	UNITS	Q
Diethylphthalate		50	52.5	1.21	5.1	ug/mL	
4-Chlorophenyl Phenyl Ether		50	50.2	0.618	.3	ug/mL	
Fluorene		50	52.8	1.27	5.5	ug/mL	
4-Nitroaniline		50	56.6	0.248	13.2	ug/mL	
4,6-Dinitro-2-Methylphenol		50	51.0	0.125	2	ug/mL	
4-Bromophenyl Phenyl Ether		50	45.2	0.192	9.5	ug/mL	
Hexachlorobenzene		50	52.3	0.215	4.6	ug/mL	
Phenanthrene		50	50.1	1.09	.2	ug/mL	
Anthracene		50	51.5	1.10	2.9	ug/mL	
Di-n-Butyl Phthalate		50	52.1	1.26	4.2	ug/mL	
Pyrene		50	50.6	1.31	1.1	ug/mL	
Butyl Benzyl Phthalate		50	52.7	0.604	5.3	ug/mL	
3,3'-Dichlorobenzidine		50	46.5	0.308	7	ug/mL	
Benzo[a]anthracene		50	50.6	1.19	1.3	ug/mL	
Chrysene		50	51.9	1.16	3.9	ug/mL	
bis(2-Ethylhexyl)phthalate		50	50.5	0.791	1.1	ug/mL	
Benzo[b]fluoranthene		50	50.4	1.56	.8	ug/mL	
Benzo[k]fluoranthene		50	53.9	1.58	7.7	ug/mL	
Indeno[1,2,3-cd]pyrene		50	50.4	1.47	.9	ug/mL	
Dibenz[ah]anthracene		50	51.9	1.24	3.8	ug/mL	
Benzo[ghi]perylene		50	51.5	1.23	2.9	ug/mL	
Carbazole		50	54.0	0.896	8	ug/mL	

* Exceeds %D Limit

CCC Calibration Check Compounds
SPCC System Performance Check Compounds

KEMRON FORMS - Modified 10/07/2005
Version 1.5 PDF File ID: 336528
Report generated 10/17/2005 11:32

KEMRON Environmental Services

CONTINUING CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/14/2005 Sample ID: WG198660-02
Instrument ID: HPMS4 Run Time: 11:48 Method: 8270C
File ID: 4M30410 Analyst: CLK
Workgroup (AAB#): WG198740 Cal ID: HPMS4 - 13-OCT-05

Analyte		Expected	Found	RF	%D	UNITS	Q
Phenol	CCC	50	54.8	1.66	9.6	ug/mL	
1,4-Dichlorobenzene	CCC	50	51.8	1.49	3.7	ug/mL	
2-Nitrophenol	CCC	50	55.7	0.174	11.3	ug/mL	
2,4-Dichlorophenol	CCC	50	52.2	0.272	4.4	ug/mL	
Hexachlorobutadiene	CCC	50	50.7	0.163	1.5	ug/mL	
4-Chloro-3-Methylphenol	CCC	50	54.6	0.289	9.2	ug/mL	
2,4,6-Trichlorophenol	CCC	50	52.5	0.359	4.9	ug/mL	
Acenaphthene	CCC	50	53.3	1.07	6.5	ug/mL	
n-Nitrosodiphenylamine	CCC	50	52.1	0.527	4.2	ug/mL	
Pentachlorophenol	CCC	50	51.9	0.146	3.7	ug/mL	
Fluoranthene	CCC	50	52.9	1.21	5.7	ug/mL	
Di-n-Octyl Phthalate	CCC	50	51.8	1.86	3.7	ug/mL	
Benzo[a]pyrene	CCC	50	52.1	1.45	4.2	ug/mL	
n-Nitrosodipropylamine	SPCC	50	55.3	0.937	10.7	ug/mL	
Hexachlorocyclopentadiene	SPCC	50	54.7	0.228	9.3	ug/mL	
2,4-Dinitrophenol	SPCC	50	52.7	0.145	5.5	ug/mL	
4-Nitrophenol	SPCC	50	60.0	0.224	20	ug/mL	
bis(2-Chloroethyl)ether		50	54.8	0.937	9.7	ug/mL	
2-Chlorophenol		50	52.9	1.36	5.8	ug/mL	
1,3-Dichlorobenzene		50	52.0	1.44	3.9	ug/mL	
1,2-Dichlorobenzene		50	51.9	1.36	3.7	ug/mL	
2-Methylphenol		50	53.7	1.07	7.4	ug/mL	
3-,4-Methylphenol		50	54.6	1.56	9.1	ug/mL	
bis(2-Chloroisopropyl)ether		50	56.0	1.89	11.9	ug/mL	
Hexachloroethane		50	54.3	0.527	8.7	ug/mL	
Nitrobenzene		50	54.1	0.355	8.2	ug/mL	
Isophorone		50	54.0	0.563	8.1	ug/mL	
2,4-Dimethylphenol		50	53.0	0.307	6.1	ug/mL	
bis(2-Chloroethoxy)methane		50	53.2	0.388	6.4	ug/mL	
1,2,4-Trichlorobenzene		50	50.5	0.296	1	ug/mL	
Naphthalene		50	52.2	0.995	4.5	ug/mL	
4-Chloroaniline		50	53.1	0.375	6.1	ug/mL	
2-Methylnaphthalene		50	52.5	0.651	5	ug/mL	
2,4,5-Trichlorophenol		50	52.9	0.387	5.8	ug/mL	
2-Chloronaphthalene		50	52.1	1.13	4.2	ug/mL	
2-Nitroaniline		50	54.7	0.350	9.4	ug/mL	
Dimethylphthalate		50	52.4	1.29	4.7	ug/mL	
Acenaphthylene		50	53.3	1.67	6.6	ug/mL	
2,6-Dinitrotoluene		50	50.9	0.301	1.7	ug/mL	
3-Nitroaniline		50	54.6	0.298	9.1	ug/mL	
Dibenzofuran		50	52.4	1.63	4.8	ug/mL	
2,4-Dinitrotoluene		50	51.0	0.383	2	ug/mL	

KEMRON FORMS - Modified 03/21/2005
Version 1.3 PDF File ID: 336536
Report generated 10/17/2005 11:33

KEMRON Environmental Services

CONTINUING CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/14/2005 Sample ID: WG198660-02
Instrument ID: HPMS4 Run Time: 11:48 Method: 8270C
File ID: 4M30410 Analyst: CLK
Workgroup (AAB#): WG198740 Cal ID: HPMS4 - 13-OCT-05

Analyte		Expected	Found	RF	%D	UNITS	Q
Diethylphthalate		50	52.9	1.22	5.8	ug/mL	
4-Chlorophenyl Phenyl Ether		50	52.1	0.642	4.2	ug/mL	
Fluorene		50	52.9	1.27	5.8	ug/mL	
4-Nitroaniline		50	58.5	0.257	16.9	ug/mL	
4,6-Dinitro-2-Methylphenol		50	54.2	0.133	8.3	ug/mL	
4-Bromophenyl Phenyl Ether		50	50.8	0.216	1.7	ug/mL	
Hexachlorobenzene		50	50.6	0.208	1.3	ug/mL	
Phenanthrene		50	52.0	1.13	4.1	ug/mL	
Anthracene		50	52.2	1.11	4.3	ug/mL	
Di-n-Butyl Phthalate		50	53.2	1.28	6.4	ug/mL	
Pyrene		50	51.1	1.32	2.1	ug/mL	
Butyl Benzyl Phthalate		50	52.4	0.601	4.8	ug/mL	
3,3'-Dichlorobenzidine		50	49.0	0.324	1.9	ug/mL	
Benzo[a]anthracene		50	51.4	1.20	2.7	ug/mL	
Chrysene		50	52.4	1.17	4.7	ug/mL	
bis(2-Ethylhexyl)phthalate		50	52.6	0.824	5.3	ug/mL	
Benzo[b]fluoranthene		50	51.1	1.59	2.2	ug/mL	
Benzo[k]fluoranthene		50	51.1	1.50	2.2	ug/mL	
Indeno[1,2,3-cd]pyrene		50	54.9	1.60	9.9	ug/mL	
Dibenz[ah]anthracene		50	55.7	1.33	11.3	ug/mL	
Benzo[ghi]perylene		50	55.0	1.32	10	ug/mL	
Carbazole		50	54.7	0.907	9.4	ug/mL	

* Exceeds %D Limit

CCC Calibration Check Compounds
SPCC System Performance Check Compounds

KEMRON FORMS - Modified 03/21/2005
Version 1.3 PDF File ID: 336536
Report generated 10/17/2005 11:33

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD AREA SUMMARY
(COMPARED TO CCV)

Login Number: L0510264
Instrument ID: HPMS4
Workgroup (AAB#): WG198740

CCV Number: WG198660-02
CAL ID: HPMS4-13-OCT-05
Matrix: SOLID

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3	IS-4	IS-5	IS-6
WG198660-02	NA	NA	257200	593473	939639	1052651	726877	990546
Upper Limit	NA	NA	514400	1186946	1879278	2105302	1453754	1981092
Lower Limit	NA	NA	128600	296737	469820	526326	363439	495273
L0510264-01	1.00	01	253320	568608	894768	1011329	669479	918249
L0510264-02	2.00	DL01	265853	592494	942702	1055265	660796	959830
L0510264-03	1.00	01	261083	581361	886210	1038071	672781	930446
L0510264-04	1.00	01	253674	562925	885111	1002960	658267	908486
WG198622-02	1.00	01	237617	532339	801725	947170	599952	856221
WG198622-03	1.00	01	243701	556126	880523	1037978	692391	918530

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Acenaphthene-d10
IS-3 - Chrysene-d12
IS-4 - Naphthalene-d8
IS-5 - Perylene-d12
IS-6 - Phenanthrene-d10

Underline = Response outside limits

KEMRON FORMS - Modified 06/28/2004
Version 1.3 PDF File ID: 336331
Report generated 10/17/2005 11:33

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD RETENTION TIME SUMMARY
(COMPARED TO CCV)

Login Number: L0510264
Instrument ID: HPMS4
Workgroup (AAB#): WG198740

CCV Number: WG198660-02
CAL ID: HPMS4-13-OCT-05
Matrix: SOLID

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3	IS-4	IS-5	IS-6
WG198660-02	NA	NA	10.14	13.87	18.34	11.76	20.77	15.51
Upper Limit	NA	NA	10.64	14.37	18.84	12.26	21.27	16.01
Lower Limit	NA	NA	9.64	13.37	17.84	11.26	20.27	15.01
L0510264-01	1.00	01	10.14	13.87	18.34	11.76	20.77	15.51
L0510264-02	2.00	DL01	10.14	13.87	18.34	11.76	20.77	15.51
L0510264-03	1.00	01	10.14	13.87	18.34	11.76	20.77	15.5
L0510264-04	1.00	01	10.14	13.87	18.34	11.76	20.77	15.51
WG198622-02	1.00	01	10.14	13.87	18.34	11.76	20.77	15.5
WG198622-03	1.00	01	10.14	13.87	18.34	11.76	20.77	15.51

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Acenaphthene-d10
IS-3 - Chrysene-d12
IS-4 - Naphthalene-d8
IS-5 - Perylene-d12
IS-6 - Phenanthrene-d10

Underline = Response outside limits

KEMRON FORMS - Modified 09/14/2004
Version 1.3 PDF File ID: 336540
Report generated 10/17/2005 11:34

2.2.1.2 Sample Data

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101405\4M30420.D Vial: 12
Acq On : 14 Oct 2005 18:04 Operator: CLK
Sample : L0510264-01 SOIL Inst : HPMS4
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 09:28:27 2005 Quant Results File: BNA1013.RES

Quant Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Mon Oct 17 09:06:32 2005
Response via : Initial Calibration
DataAcq Meth : BNA

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.14	152	253320	40.00 ug/ml	0.00
19) Naphthalene-d8	11.76	136	1011329	40.00 ug/ml	0.00
35) Acenaphthene-d10	13.87	164	568608	40.00 ug/ml	0.00
57) Phenanthrene-d10	15.51	188	918249	40.00 ug/ml	0.00
68) Chrysene-d12	18.34	240	894768	40.00 ug/ml	0.00
77) Perylene-d12	20.77	264	669479	40.00 ug/ml	0.00

System Monitoring Compounds

4) 2-Fluorophenol	8.40	112	509625	66.0610 ug/ml	0.00
Spiked Amount 100.000	Range 25 - 121		Recovery = 66.06%		
6) Phenol-d5	9.60	99	746489	85.1738 ug/ml	0.00
Spiked Amount 100.000	Range 24 - 113		Recovery = 85.17%		
20) Nitrobenzene-d5	10.83	82	348323	42.3133 ug/ml	0.00
Spiked Amount 50.000	Range 23 - 120		Recovery = 84.62%		
39) 2-Fluorobiphenyl	13.06	172	694907	39.8750 ug/ml	0.00
Spiked Amount 50.000	Range 30 - 115		Recovery = 79.76%		
56) 2,4,6-Tribromophenol	14.74	330	174954	80.5859 ug/ml	0.00
Spiked Amount 100.000	Range 19 - 122		Recovery = 80.59%		
71) p-Terphenyl-d14	17.12	244	781539	40.7582 ug/ml	0.00
Spiked Amount 50.000	Range 18 - 137		Recovery = 81.52%		

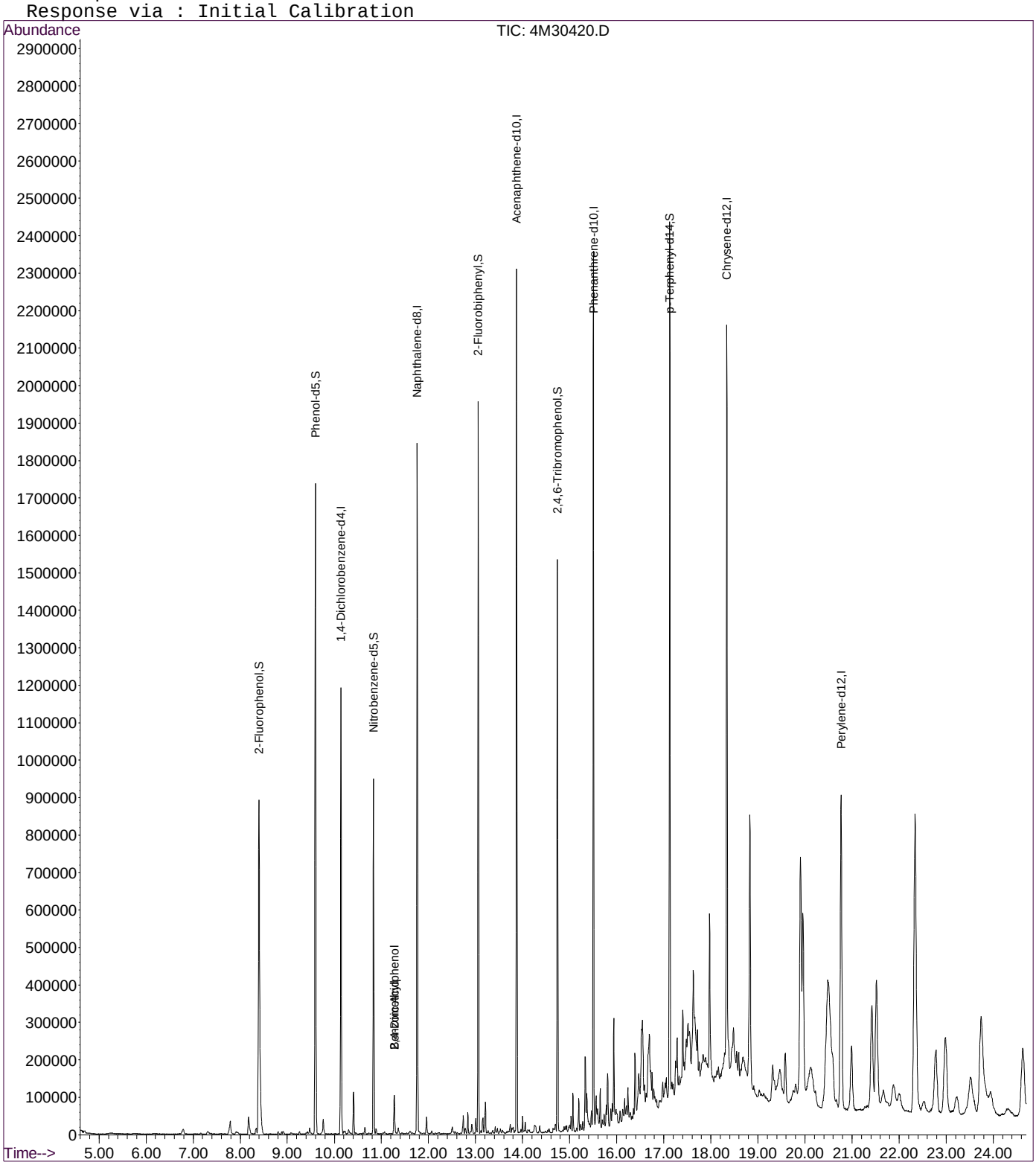
Target Compounds					Qvalue
24) 2,4-Dimethylphenol	11.27	122	25361	3.4661 ug/ml#	9
26) Benzoic Acid	11.27	105	32876	6.1265 ug/ml	88

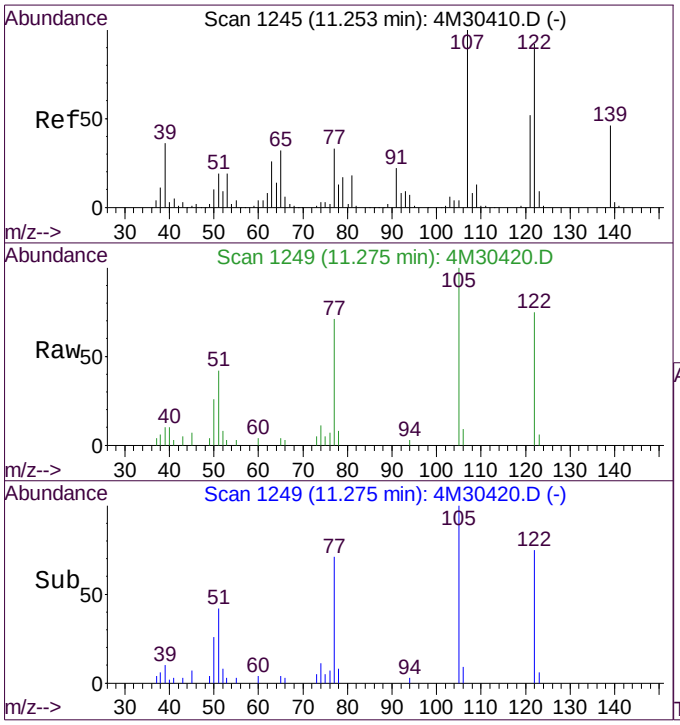
(#) = qualifier out of range (m) = manual integration
4M30420.D BNA1013.M Mon Oct 17 09:28:33 2005 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101405\4M30420.D Vial: 12
Acq On : 14 Oct 2005 18:04 Operator: CLK
Sample : L0510264-01 SOIL Inst : HPMS4
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 9:28 2005 Quant Results File: BNA1013.RES

Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Mon Oct 17 09:06:32 2005
Response via : Initial Calibration

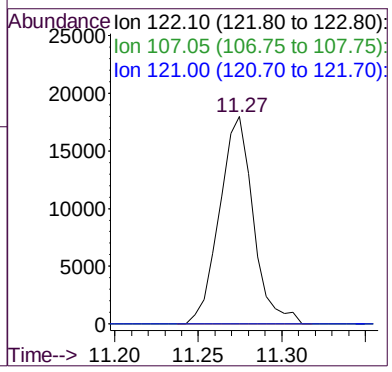


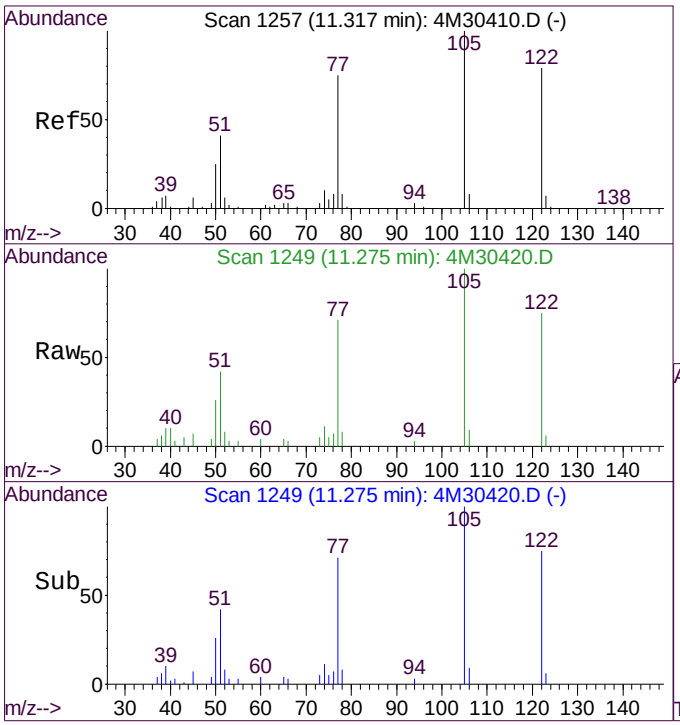


#24
2,4-Dimethylphenol
Concen: 3.47 ug/ml
RT: 11.27 min Scan# 1249
Delta R.T. 0.02 min
Lab File: 4M30420.D
Acq: 14 Oct 2005 18:04

Tgt Ion:122 Resp: 25361

Ion	Ratio	Lower	Upper
122	100		
107	0.0	60.0	140.0#
121	0.0	31.1	72.5#

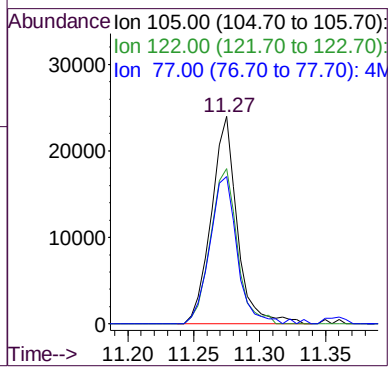




#26
Benzoic Acid
Concen: 6.13 ug/ml
RT: 11.27 min Scan# 1249
Delta R.T. -0.04 min
Lab File: 4M30420.D
Acq: 14 Oct 2005 18:04

Tgt Ion:105 Resp: 32876

Ion	Ratio	Lower	Upper
105	100		
122	77.1	39.6	92.4
77	74.1	39.5	92.3



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\101405\4M30421.D Vial: 13
Acq On : 14 Oct 2005 18:39 Operator: CLK
Sample : L0510264-02 2X SOIL Inst : HPMS4
Misc : 7,2 SOIL Multiplr: 2.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 09:28:50 2005 Quant Results File: BNA1013.RES

Quant Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Mon Oct 17 09:06:32 2005
Response via : Initial Calibration
DataAcq Meth : BNA

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.14	152	265853	40.00 ug/ml	0.00
19) Naphthalene-d8	11.76	136	1055265	40.00 ug/ml	0.00
35) Acenaphthene-d10	13.87	164	592494	40.00 ug/ml	0.00
57) Phenanthrene-d10	15.51	188	959830	40.00 ug/ml	0.00
68) Chrysene-d12	18.34	240	942702	40.00 ug/ml	0.00
77) Perylene-d12	20.77	264	660796	40.00 ug/ml	0.00

System Monitoring Compounds

4) 2-Fluorophenol	8.40	112	317378	78.4024 ug/ml	0.01
Spiked Amount 100.000	Range 25 - 121		Recovery = 78.40%		
6) Phenol-d5	9.60	99	447206	97.2407 ug/ml	0.00
Spiked Amount 100.000	Range 24 - 113		Recovery = 97.24%		
20) Nitrobenzene-d5	10.83	82	203107	47.2912 ug/ml	0.00
Spiked Amount 50.000	Range 23 - 120		Recovery = 94.58%		
39) 2-Fluorobiphenyl	13.06	172	426685	46.9938 ug/ml	0.00
Spiked Amount 50.000	Range 30 - 115		Recovery = 93.98%		
56) 2,4,6-Tribromophenol	14.74	330	103349	93.8262 ug/ml	0.00
Spiked Amount 100.000	Range 19 - 122		Recovery = 93.83%		
71) p-Terphenyl-d14	17.12	244	458043	45.3458 ug/ml	0.00
Spiked Amount 50.000	Range 18 - 137		Recovery = 90.70%		

Target Compounds

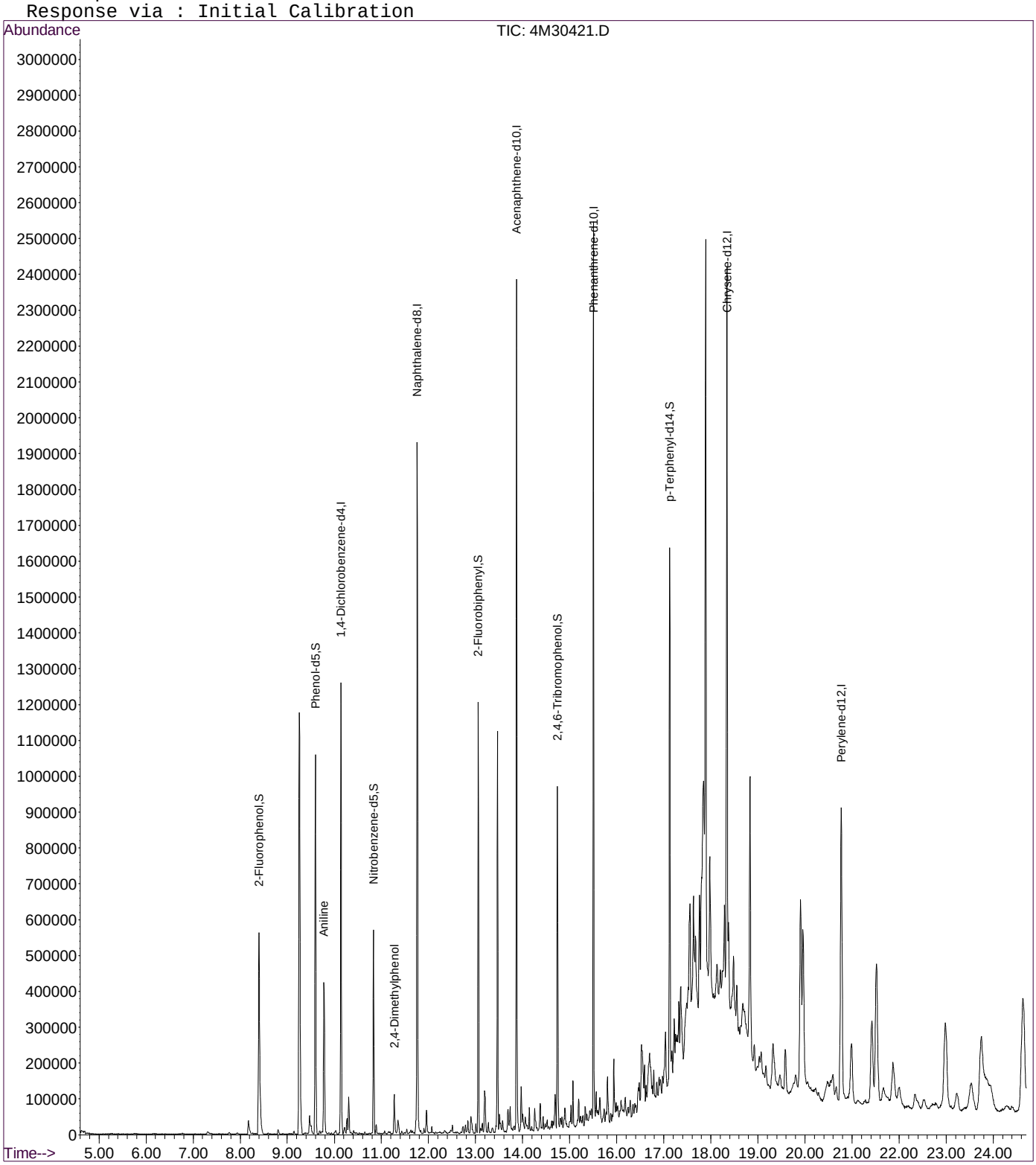
					Qvalue
5) Aniline	9.78	93	142745	13.6534 ug/ml#	51
24) 2,4-Dimethylphenol	11.27	122	27486	3.6001 ug/ml#	9

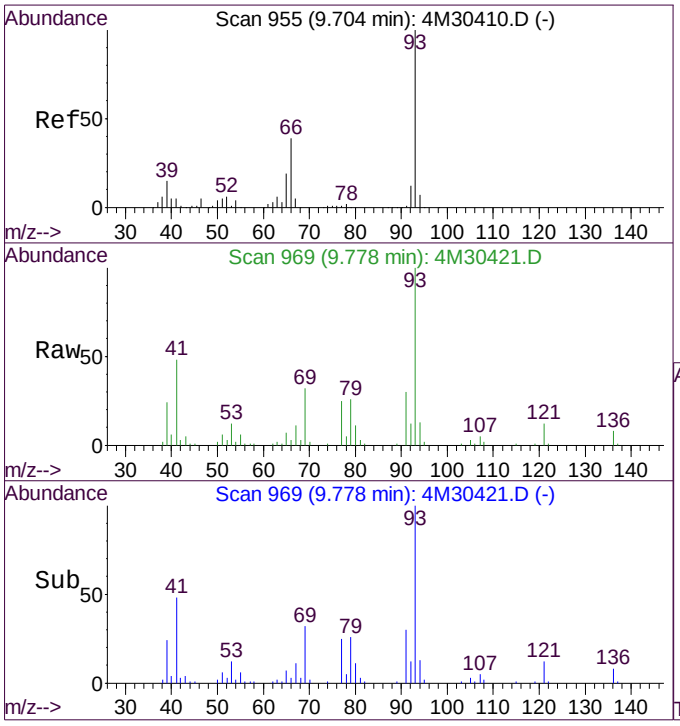
(#) = qualifier out of range (m) = manual integration
4M30421.D BNA1013.M Mon Oct 17 09:29:33 2005 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\101405\4M30421.D Vial: 13
Acq On : 14 Oct 2005 18:39 Operator: CLK
Sample : L0510264-02 2X SOIL Inst : HPMS4
Misc : 7,2 SOIL Multiplr: 2.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 9:29 2005 Quant Results File: BNA1013.RES

Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Mon Oct 17 09:06:32 2005
Response via : Initial Calibration

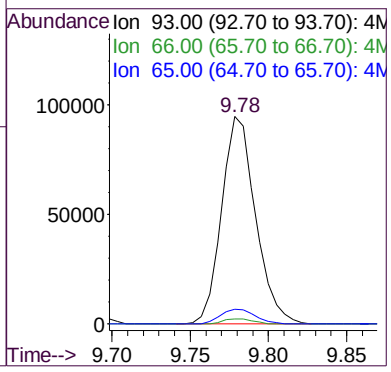


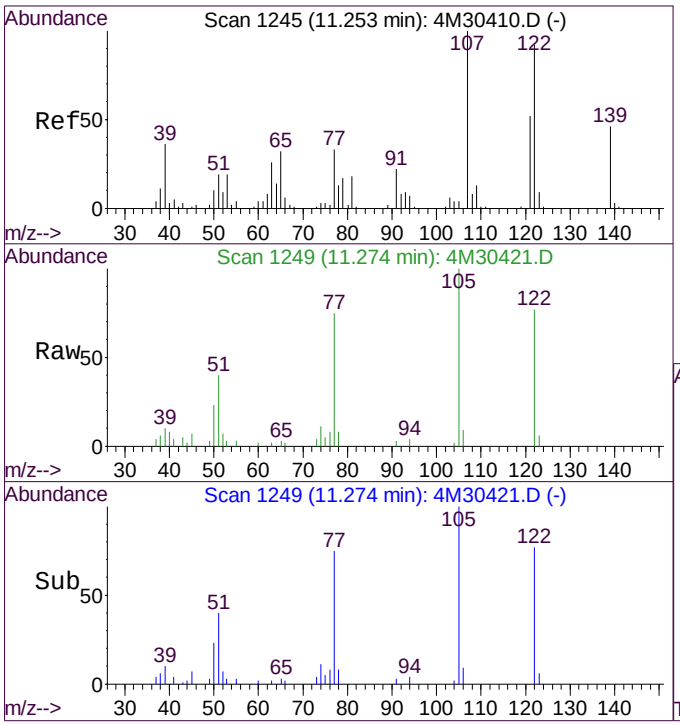


#5
Aniline
Concen: 13.65 ug/ml
RT: 9.78 min Scan# 969
Delta R.T. 0.08 min
Lab File: 4M30421.D
Acq: 14 Oct 2005 18:39

Tgt Ion: 93 Resp: 142745

Ion	Ratio	Lower	Upper
93	100		
66	2.2	23.6	55.0#
65	7.3	12.1	28.3#

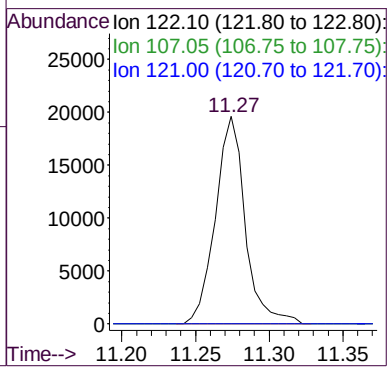




#24
2,4-Dimethylphenol
Concen: 3.60 ug/ml
RT: 11.27 min Scan# 1249
Delta R.T. 0.02 min
Lab File: 4M30421.D
Acq: 14 Oct 2005 18:39

Tgt Ion:122 Resp: 27486

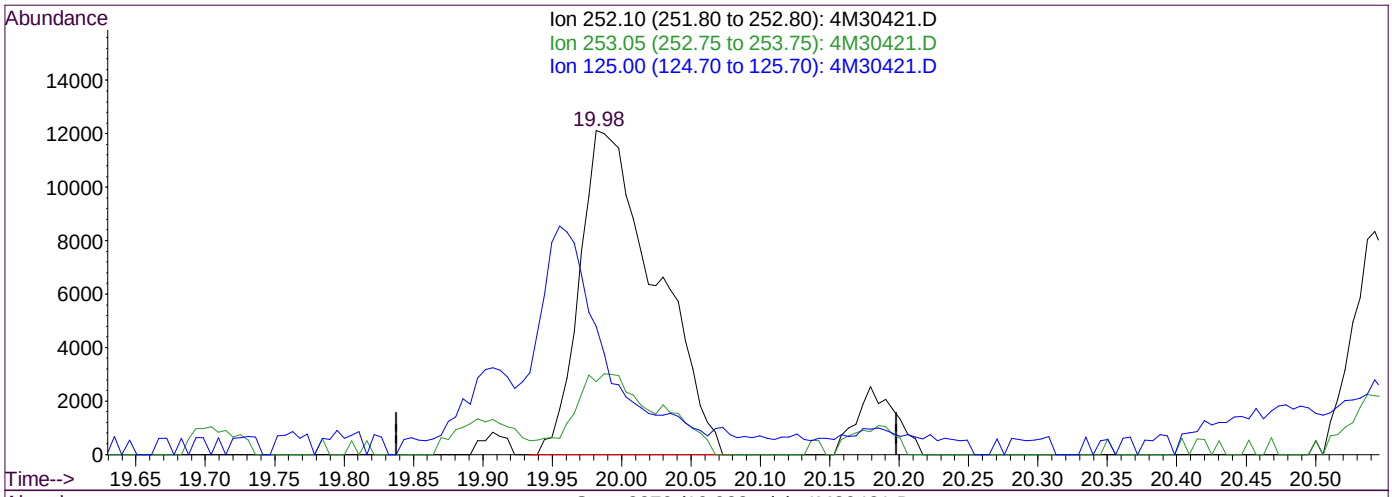
Ion	Ratio	Lower	Upper
122	100		
107	0.0	60.0	140.0#
121	0.0	31.1	72.5#

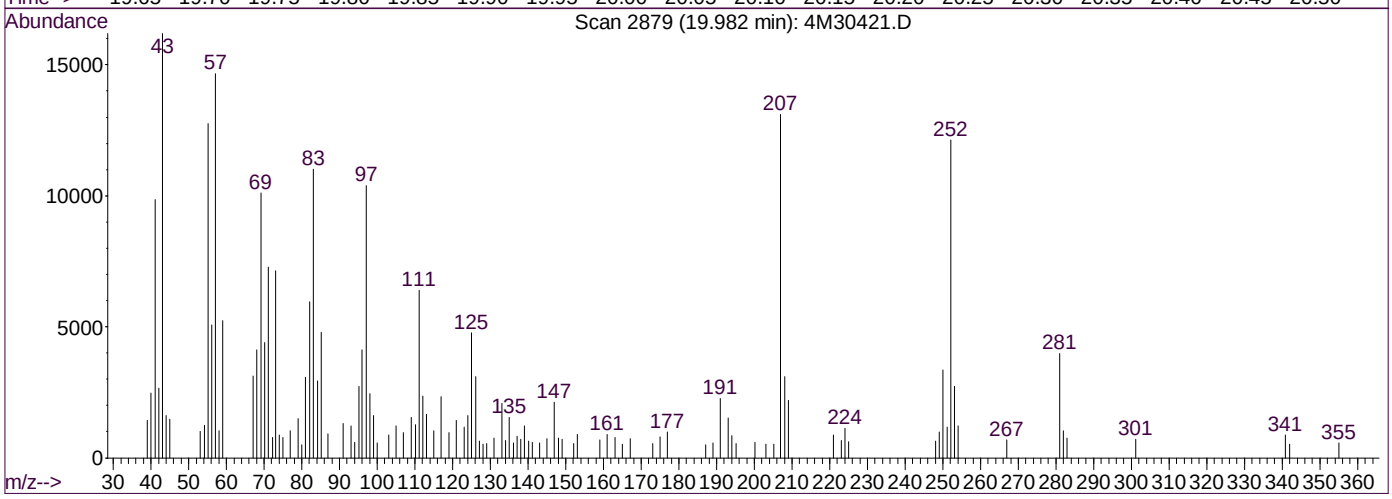


Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101405\4M30421.D Vial: 13
Acq On : 14 Oct 2005 18:39 Operator: CLK
Sample : L0510264-02 2X SOIL Inst : HPMS4
Misc : 7,2 SOIL Multiplr: 2.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 9:28 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Mon Oct 17 09:06:32 2005
Response via : Multiple Level Calibration





TIC: 4M30421.D

(79) Benzo[b]fluoranthene

19.98min 1.80ug/ml

response 46011

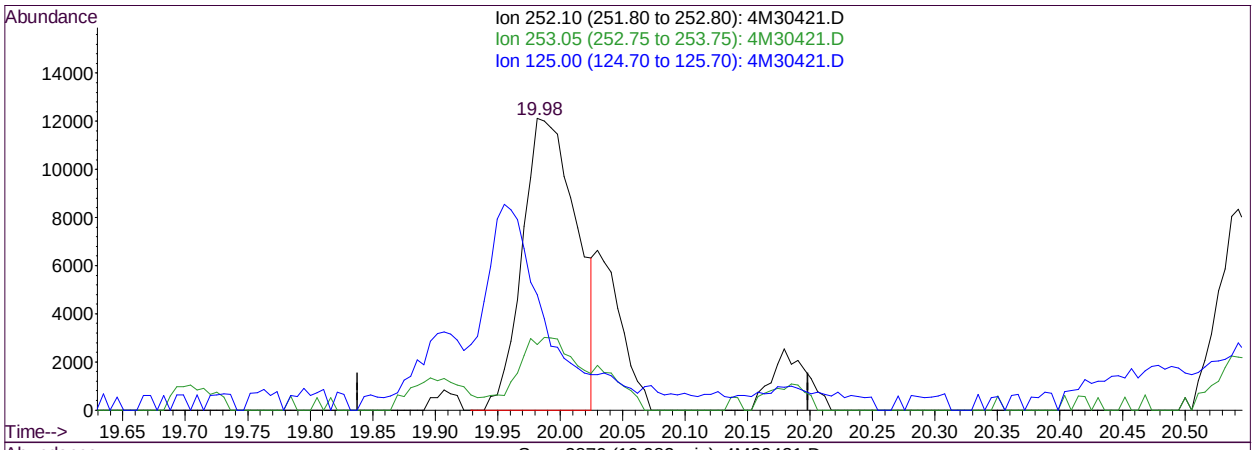
Ion	Exp%	Act%
252.10	100	100
253.05	20.50	14.76
125.00	12.30	0.00#
0.00	0.00	0.00

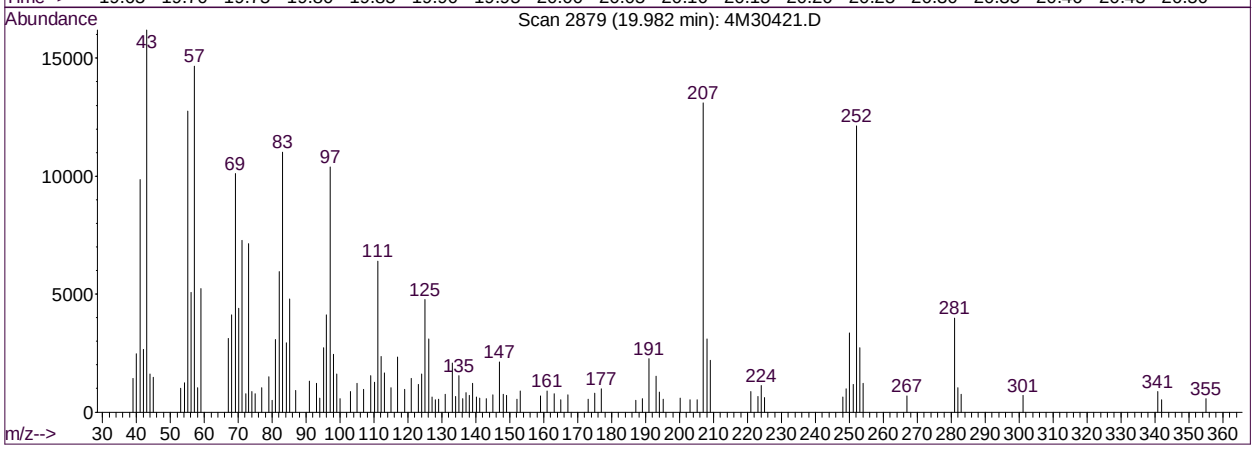
4M30421.D BNA1013.M Mon Oct 17 09:29:07 2005

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101405\4M30421.D Vial: 13
Acq On : 14 Oct 2005 18:39 Operator: CLK
Sample : L0510264-02 2X SOIL Inst : HPMS4
Misc : 7,2 SOIL Multiplr: 2.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 9:29 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Mon Oct 17 09:06:32 2005
Response via : Multiple Level Calibration





TIC: 4M30421.D

(79) Benzo[b]fluoranthene

19.98min 1.42ug/ml m

response 36450

Ion	Exp%	Act%
252.10	100	100
253.05	20.50	18.63
125.00	12.30	0.00#
0.00	0.00	0.00

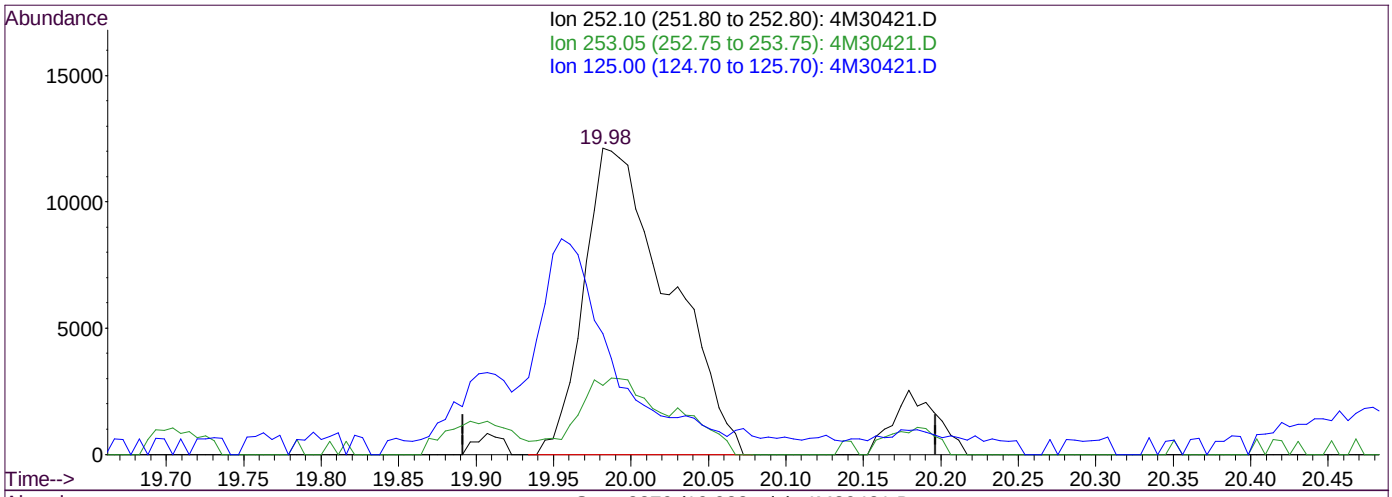
4M30421.D BNA1013.M Mon Oct 17 09:29:11 2005

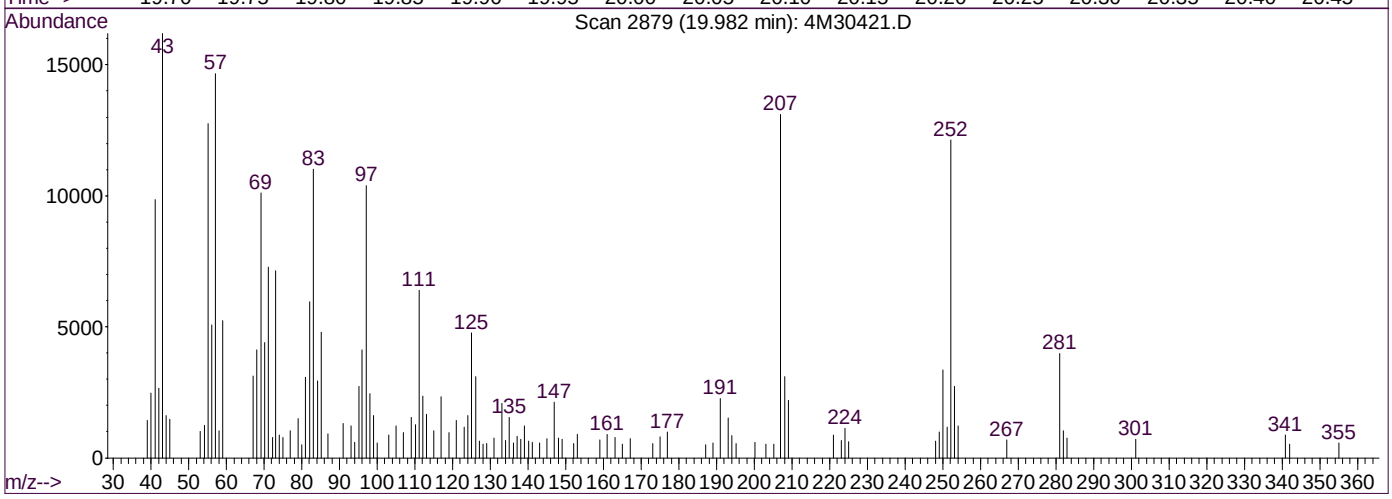
Approved: October 17, 2005	Supervisor: October 17, 2005
Reason #3: Improperly Integrated Isomers and/or coeluting compounds	

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101405\4M30421.D Vial: 13
Acq On : 14 Oct 2005 18:39 Operator: CLK
Sample : L0510264-02 2X SOIL Inst : HPMS4
Misc : 7,2 SOIL Multiplr: 2.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 9:29 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Mon Oct 17 09:06:32 2005
Response via : Multiple Level Calibration





TIC: 4M30421.D

(80) Benzo[k]fluoranthene

19.98min 1.90ug/ml

response 46011

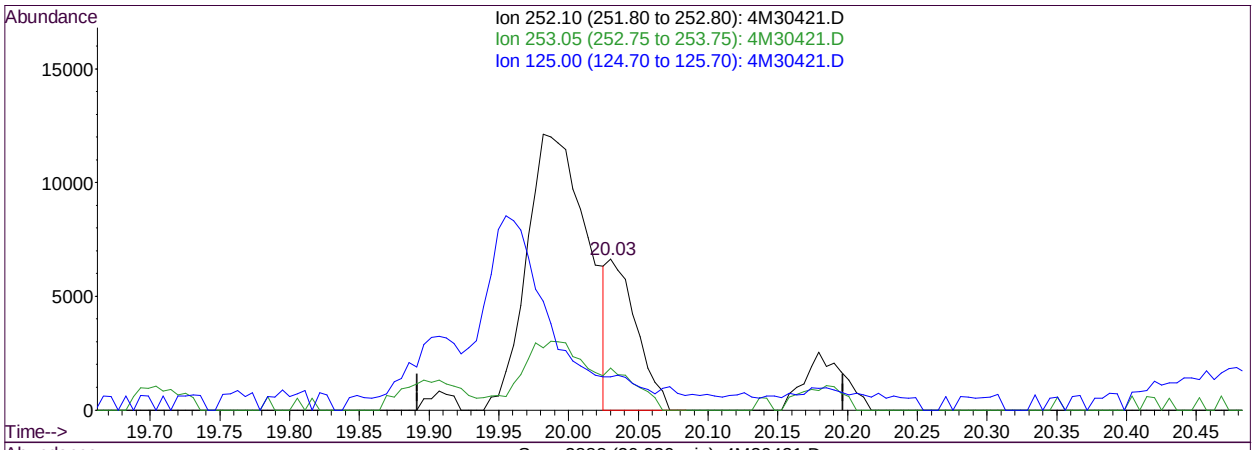
Ion	Exp%	Act%
252.10	100	100
253.05	22.90	14.76
125.00	13.20	0.00#
0.00	0.00	0.00

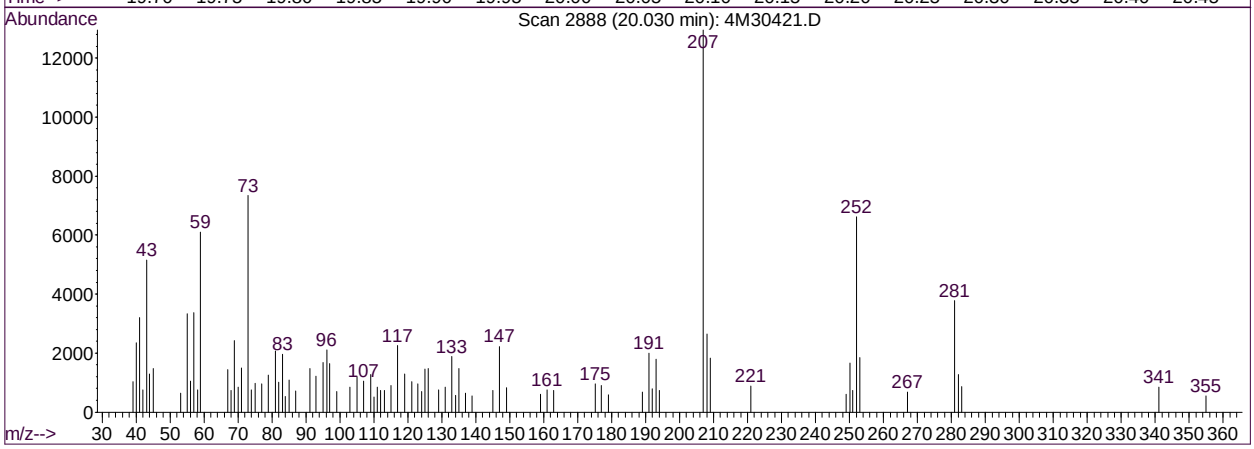
4M30421.D BNA1013.M Mon Oct 17 09:29:21 2005

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101405\4M30421.D Vial: 13
Acq On : 14 Oct 2005 18:39 Operator: CLK
Sample : L0510264-02 2X SOIL Inst : HPMS4
Misc : 7,2 SOIL Multiplr: 2.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 9:29 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Mon Oct 17 09:06:32 2005
Response via : Multiple Level Calibration





TIC: 4M30421.D

(80) Benzo[k]fluoranthene

20.03min 0.39ug/ml m

response 9554

Ion	Exp%	Act%
252.10	100	100
253.05	22.90	71.08#
125.00	13.20	0.00#
0.00	0.00	0.00

4M30421.D BNA1013.M Mon Oct 17 09:29:26 2005

Approved: October 17, 2005	Supervisor: October 17, 2005
Reason #3: Improperly Integrated Isomers and/or coeluting compounds	

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101405\4M30418.D Vial: 10
Acq On : 14 Oct 2005 16:54 Operator: CLK
Sample : L0510264-03 SOIL Inst : HPMS4
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 09:28:11 2005 Quant Results File: BNA1013.RES

Quant Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Mon Oct 17 09:06:32 2005
Response via : Initial Calibration
DataAcq Meth : BNA

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.14	152	261083	40.00 ug/ml	0.00
19) Naphthalene-d8	11.76	136	1038071	40.00 ug/ml	0.00
35) Acenaphthene-d10	13.87	164	581361	40.00 ug/ml	0.00
57) Phenanthrene-d10	15.50	188	930446	40.00 ug/ml	0.00
68) Chrysene-d12	18.34	240	886210	40.00 ug/ml	0.00
77) Perylene-d12	20.77	264	672781	40.00 ug/ml	0.00

System Monitoring Compounds

4) 2-Fluorophenol	8.39	112	511523	64.3355 ug/ml	0.00
Spiked Amount 100.000	Range 25 - 121		Recovery = 64.34%		
6) Phenol-d5	9.60	99	663622	73.4673 ug/ml	0.00
Spiked Amount 100.000	Range 24 - 113		Recovery = 73.47%		
20) Nitrobenzene-d5	10.83	82	292939	34.6687 ug/ml	0.00
Spiked Amount 50.000	Range 23 - 120		Recovery = 69.34%		
39) 2-Fluorobiphenyl	13.06	172	588065	33.0040 ug/ml	0.00
Spiked Amount 50.000	Range 30 - 115		Recovery = 66.00%		
56) 2,4,6-Tribromophenol	14.74	330	148682	67.4612 ug/ml	0.00
Spiked Amount 100.000	Range 19 - 122		Recovery = 67.46%		
71) p-Terphenyl-d14	17.12	244	916509	48.2586 ug/ml	0.00
Spiked Amount 50.000	Range 18 - 137		Recovery = 96.52%		

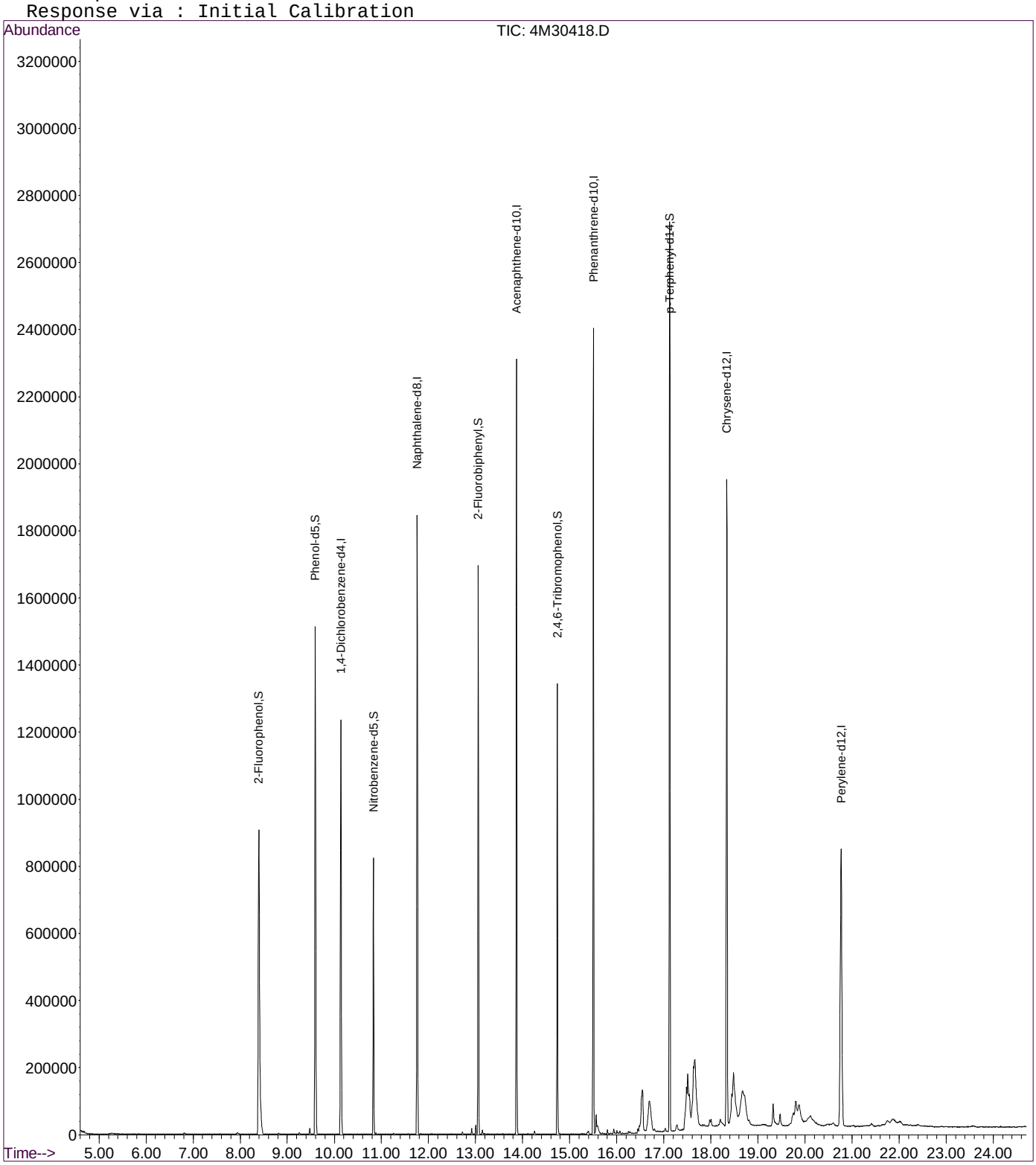
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration
4M30418.D BNA1013.M Mon Oct 17 09:28:14 2005 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101405\4M30418.D Vial: 10
Acq On : 14 Oct 2005 16:54 Operator: CLK
Sample : L0510264-03 SOIL Inst : HPMS4
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 9:28 2005 Quant Results File: BNA1013.RES

Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Mon Oct 17 09:06:32 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101405\4M30419.D Vial: 11
Acq On : 14 Oct 2005 17:29 Operator: CLK
Sample : L0510264-04 SOIL Inst : HPMS4
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 09:28:17 2005 Quant Results File: BNA1013.RES

Quant Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Mon Oct 17 09:06:32 2005
Response via : Initial Calibration
DataAcq Meth : BNA

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.14	152	253674	40.00 ug/ml	0.00
19) Naphthalene-d8	11.76	136	1002960	40.00 ug/ml	0.00
35) Acenaphthene-d10	13.87	164	562925	40.00 ug/ml	0.00
57) Phenanthrene-d10	15.51	188	908486	40.00 ug/ml	0.00
68) Chrysene-d12	18.34	240	885111	40.00 ug/ml	0.00
77) Perylene-d12	20.77	264	658267	40.00 ug/ml	0.00

System Monitoring Compounds

4) 2-Fluorophenol	8.39	112	477143	61.7641 ug/ml	0.00
Spiked Amount 100.000	Range 25 - 121		Recovery = 61.76%		
6) Phenol-d5	9.60	99	687221	78.3019 ug/ml	0.00
Spiked Amount 100.000	Range 24 - 113		Recovery = 78.30%		
20) Nitrobenzene-d5	10.83	82	282629	34.6195 ug/ml	0.00
Spiked Amount 50.000	Range 23 - 120		Recovery = 69.24%		
39) 2-Fluorobiphenyl	13.06	172	625547	36.2574 ug/ml	0.00
Spiked Amount 50.000	Range 30 - 115		Recovery = 72.52%		
56) 2,4,6-Tribromophenol	14.74	330	179571	83.4433 ug/ml	0.00
Spiked Amount 100.000	Range 19 - 122		Recovery = 83.44%		
71) p-Terphenyl-d14	17.12	244	762307	40.1890 ug/ml	0.00
Spiked Amount 50.000	Range 18 - 137		Recovery = 80.38%		

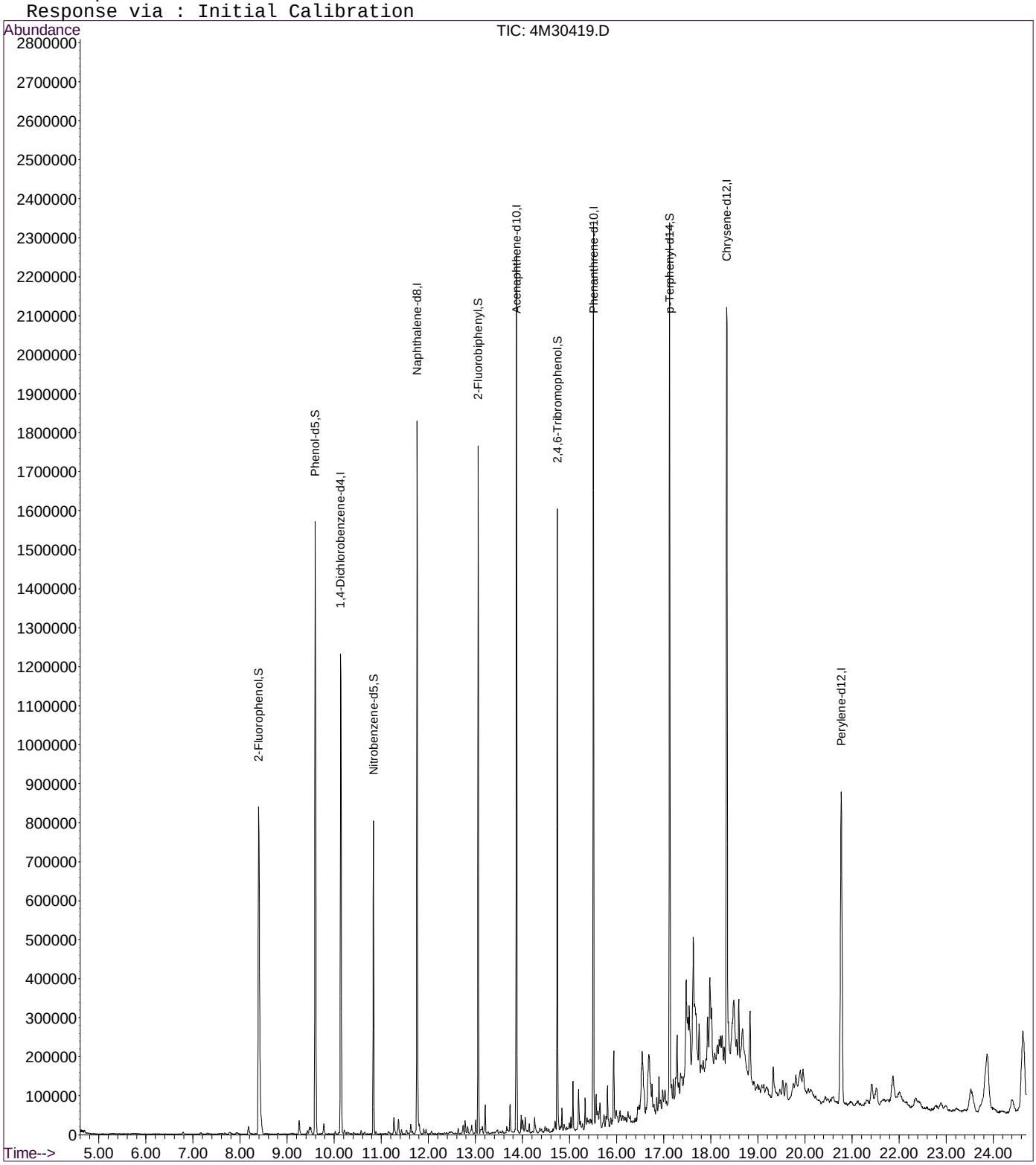
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration
4M30419.D BNA1013.M Mon Oct 17 09:28:24 2005 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101405\4M30419.D Vial: 11
Acq On : 14 Oct 2005 17:29 Operator: CLK
Sample : L0510264-04 SOIL Inst : HPMS4
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 9:28 2005 Quant Results File: BNA1013.RES

Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Mon Oct 17 09:06:32 2005
Response via : Initial Calibration



2.2.1.3 Standards Data

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101305\4M30391.D Vial: 2
Acq On : 13 Oct 2005 8:57 Operator: CLK
Sample : WG198264-02 50PPM BNA STD Inst : HPMS4
Misc : 1,1 SOS74-33-4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 08:11:53 2005 Quant Results File: BNA1013.RES

Quant Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Thu Oct 13 14:50:43 2005
Response via : Initial Calibration
DataAcq Meth : BNA

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.14	152	239433	40.00 ug/ml	0.00
19) Naphthalene-d8	11.76	136	961146	40.00 ug/ml	0.00
35) Acenaphthene-d10	13.88	164	543786	40.00 ug/ml	0.00
57) Phenanthrene-d10	15.50	188	894869	40.00 ug/ml	0.00
68) Chrysene-d12	18.34	240	838054	40.00 ug/ml	0.00
77) Perylene-d12	20.77	264	614975	40.00 ug/ml	0.00

System Monitoring Compounds

4) 2-Fluorophenol	8.39	112	378555	51.9169 ug/ml	0.00
Spiked Amount 100.000	Range 21 - 100		Recovery = 51.92%		
6) Phenol-d5	9.60	99	434759	52.4828 ug/ml	0.00
Spiked Amount 100.000	Range 10 - 94		Recovery = 52.48%		
20) Nitrobenzene-d5	10.83	82	411505	52.5984 ug/ml	0.00
Spiked Amount 50.000	Range 35 - 114		Recovery = 105.20%		
39) 2-Fluorobiphenyl	13.06	172	866472	51.9893 ug/ml	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 103.98%		
56) 2,4,6-Tribromophenol	14.74	330	95921	51.6205 ug/ml	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 51.62%		
71) p-Terphenyl-d14	17.13	244	938811	52.2735 ug/ml	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 104.54%		

Target Compounds

					Qvalue
2) Pyridine	6.05	79	395625	51.1892 ug/ml	99
3) n-Nitrosodimethylamine	6.00	74	216147	52.1753 ug/ml#	95
5) Aniline	9.70	93	499978	53.0991 ug/ml#	82
7) Phenol	9.61	94	476113	52.5787 ug/ml	94
8) bis(2-Chloroethyl)ether	9.77	63	269222	52.6478 ug/ml	97
9) 2-Chlorophenol	9.86	128	398716	51.9945 ug/ml	99
10) 1,3-Dichlorobenzene	10.07	146	427027	51.6100 ug/ml	99
11) 1,4-Dichlorobenzene	10.16	146	440203	51.3300 ug/ml	98
12) Benzyl Alcohol	10.28	108	259815	52.5594 ug/ml	96
13) 1,2-Dichlorobenzene	10.35	146	402998	51.4107 ug/ml	98
14) 2-Methylphenol	10.39	107	310972	52.0365 ug/ml	99
15) bis(2-Chloroisopropyl)ethe	10.45	45	533926	52.6931 ug/ml#	95
16) 3-,4-Methylphenol	10.57	107	447017	52.2192 ug/ml	99
17) n-Nitrosodipropylamine	10.61	70	265480	52.3711 ug/ml	96
18) Hexachloroethane	10.80	117	150120	51.7032 ug/ml	98
21) Nitrobenzene	10.86	77	415829	52.7395 ug/ml	98
22) Isophorone	11.15	82	660291	52.7355 ug/ml	100
23) 2-Nitrophenol	11.26	139	206823	55.0808 ug/ml	91
24) 2,4-Dimethylphenol	11.26	122	366566	52.7141 ug/ml	92
25) bis(2-Chloroethoxy)methane	11.39	93	457219	52.1949 ug/ml	100
26) Benzoic Acid	11.32	105	260178	51.0162 ug/ml	95
27) 2,4-Dichlorophenol	11.55	162	325151	51.9257 ug/ml	98
28) 1,2,4-Trichlorobenzene	11.67	180	360417	51.1303 ug/ml	99
29) Naphthalene	11.79	128	1195392	52.2640 ug/ml	99
30) 4-Chloroaniline	11.82	127	440348	51.8253 ug/ml	99
31) Hexachlorobutadiene	11.92	225	197292	51.0365 ug/ml	99
32) 4-Chloro-3-Methylphenol	12.38	107	338582	53.2996 ug/ml	99
33) 2-Methylnaphthalene	12.65	142	783950	52.5760 ug/ml	99
34) 1-Methylnaphthalene	12.77	142	711925	52.1154 ug/ml	99
36) Hexachlorocyclopentadiene	12.82	237	136342	53.8416 ug/ml	98
37) 2,4,6-Trichlorophenol	12.96	196	242541	52.1042 ug/ml	99
38) 2,4,5-Trichlorophenol	13.00	196	261618	52.5782 ug/ml	99
40) 2-Chloronaphthalene	13.23	162	761529	51.7752 ug/ml	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101305\4M30391.D Vial: 2
Acq On : 13 Oct 2005 8:57 Operator: CLK
Sample : WG198264-02 50PPM BNA STD Inst : HPMS4
Misc : 1,1 SOS74-33-4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 08:11:53 2005 Quant Results File: BNA1013.RES

Quant Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Thu Oct 13 14:50:43 2005
Response via : Initial Calibration
DataAcq Meth : BNA

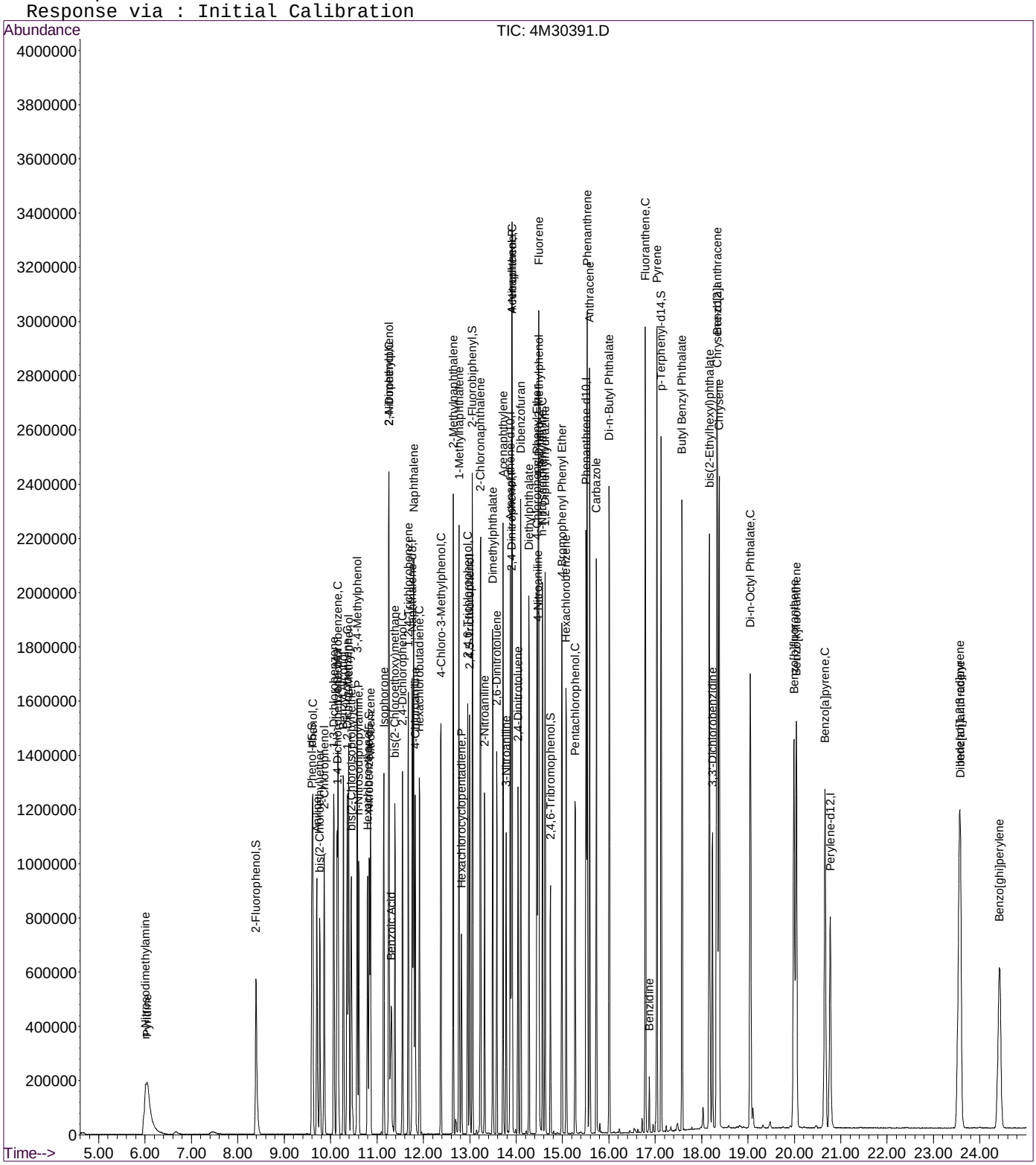
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41)	2-Nitroaniline	13.32	65	225102	51.7956 ug/ml	97
42)	Dimethylphthalate	13.50	163	871308	51.9232 ug/ml	100
43)	Acenaphthylene	13.72	152	1127293	52.8462 ug/ml	99
44)	2,6-Dinitrotoluene	13.58	165	200321	53.2235 ug/ml	95
45)	3-Nitroaniline	13.78	138	185071	49.9297 ug/ml	95
46)	Acenaphthene	13.91	154	716942	52.6344 ug/ml	98
47)	2,4-Dinitrophenol	13.90	184	85872	49.1826 ug/ml#	89
48)	4-Nitrophenol	13.91	65	131253	51.7864 ug/ml	96
49)	Dibenzofuran	14.10	168	1094715	51.9179 ug/ml	100
50)	2,4-Dinitrotoluene	14.04	165	253859	53.4579 ug/ml	93
51)	Diethylphthalate	14.28	149	823832	52.5999 ug/ml	99
52)	Fluorene	14.48	166	862872	52.8851 ug/ml	99
53)	4-Chlorophenyl Phenyl Ethe	14.45	204	435241	51.9466 ug/ml	98
54)	4-Nitroaniline	14.47	138	166007	55.6623 ug/ml	84
55)	1,2-Diphenylhydrazine	14.62	77	877782	53.2663 ug/ml	99
58)	4,6-Dinitro-2-Methylphenol	14.50	198	135012	49.3286 ug/ml#	70
59)	n-Nitrosodiphenylamine	14.57	169	590198	52.1583 ug/ml	99
60)	4-Bromophenyl Phenyl Ether	14.99	248	245586	51.6395 ug/ml	100
61)	Hexachlorobenzene	15.08	284	237577	51.6919 ug/ml	97
62)	Pentachlorophenol	15.27	266	157127	50.0275 ug/ml	100
63)	Phenanthrene	15.53	178	1272975	52.3842 ug/ml	100
64)	Anthracene	15.58	178	1259786	52.8965 ug/ml	100
65)	Carbazole	15.73	167	990495	53.3922 ug/ml	99
66)	Di-n-Butyl Phthalate	16.01	149	1451896	53.8108 ug/ml	100
67)	Fluoranthene	16.79	202	1362353	53.0408 ug/ml	100
69)	Benzidine	16.87	184	81736	50.5734 ug/ml	100
70)	Pyrene	17.03	202	1409843	51.9951 ug/ml	99
72)	Butyl Benzyl Phthalate	17.58	149	637685	53.0714 ug/ml	100
73)	Benzo[a]anthracene	18.33	228	1268011	51.7325 ug/ml	100
74)	3,3'-Dichlorobenzidine	18.23	252	315819	45.5775 ug/ml	99
75)	Chrysene	18.38	228	1219009	49.7333 ug/ml	100
76)	bis(2-Ethylhexyl)phthalate	18.17	149	874083	53.2869 ug/ml	99
78)	Di-n-Octyl Phthalate	19.05	149	1490301	54.1148 ug/ml	98
79)	Benzo[b]fluoranthene	19.99	252	1274513	53.4383 ug/ml	98
80)	Benzo[k]fluoranthene	20.05	252	1141027	50.6176 ug/ml	97
81)	Benzo[a]pyrene	20.66	252	1120270	52.5375 ug/ml	99
82)	Indeno[1,2,3-cd]pyrene	23.56	276	1165449	51.9420 ug/ml	99
83)	Dibenz[ah]anthracene	23.58	278	953119	52.0061 ug/ml	98
84)	Benzo[ghi]perylene	24.42	276	958575	52.0629 ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101305\4M30391.D Vial: 2
Acq On : 13 Oct 2005 8:57 Operator: CLK
Sample : WG198264-02 50PPM BNA STD Inst : HPMS4
Misc : 1,1 SOS74-33-4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 8:11 2005 Quant Results File: BNA1013.RES

Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Thu Oct 13 14:50:43 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101305\4M30392.D Vial: 3
Acq On : 13 Oct 2005 9:32 Operator: CLK
Sample : WG198264-03 3PPM BNA STD Inst : HPMS4
Misc : 1,1 SOS74-33-1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 13 14:51:07 2005 Quant Results File: BNA1013.RES

Quant Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Thu Oct 13 14:50:43 2005
Response via : Initial Calibration
DataAcq Meth : BNA

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.14	152	311308	40.00 ug/ml	0.00
19) Naphthalene-d8	11.76	136	1211392	40.00 ug/ml	0.00
35) Acenaphthene-d10	13.88	164	662957	40.00 ug/ml	0.00
57) Phenanthrene-d10	15.51	188	1072692	40.00 ug/ml	0.00
68) Chrysene-d12	18.34	240	971750	40.00 ug/ml	0.00
77) Perylene-d12	20.77	264	701550	40.00 ug/ml	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	8.40	112	22167	2.3382 ug/ml	0.00
Spiked Amount 100.000	Range 21 - 100		Recovery =	2.34%#	
6) Phenol-d5	9.59	99	26109	2.4241 ug/ml	0.00
Spiked Amount 100.000	Range 10 - 94		Recovery =	2.42%#	
20) Nitrobenzene-d5	10.83	82	24311	2.4655 ug/ml	0.00
Spiked Amount 50.000	Range 35 - 114		Recovery =	4.94%#	
39) 2-Fluorobiphenyl	13.06	172	54437	2.6791 ug/ml	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery =	5.36%#	
56) 2,4,6-Tribromophenol	14.74	330	4317	1.9056 ug/ml	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery =	1.91%#	
71) p-Terphenyl-d14	17.12	244	54513	2.6177 ug/ml	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery =	5.24%#	

Target Compounds					Qvalue
2) Pyridine	6.08	79	13793	1.3726 ug/ml	73
3) n-Nitrosodimethylamine	6.02	74	8988	1.6687 ug/ml#	72
5) Aniline	9.70	93	31811	2.5984 ug/ml#	85
7) Phenol	9.61	94	28900	2.4547 ug/ml	93
8) bis(2-Chloroethyl)ether	9.77	63	16662	2.5061 ug/ml	96
9) 2-Chlorophenol	9.86	128	23987	2.4058 ug/ml	99
10) 1,3-Dichlorobenzene	10.07	146	27381	2.5452 ug/ml	100
11) 1,4-Dichlorobenzene	10.16	146	29282	2.6261 ug/ml#	89
12) Benzyl Alcohol	10.28	108	14619	2.2746 ug/ml	90
13) 1,2-Dichlorobenzene	10.36	146	26571	2.6071 ug/ml	100
14) 2-Methylphenol	10.39	107	18966	2.4409 ug/ml	98
15) bis(2-Chloroisopropyl)ethe	10.45	45	33914	2.5742 ug/ml#	94
16) 3-,4-Methylphenol	10.57	107	26666	2.3958 ug/ml	98
17) n-Nitrosodipropylamine	10.60	70	16223	2.4614 ug/ml	97
18) Hexachloroethane	10.80	117	9109	2.4129 ug/ml	95
21) Nitrobenzene	10.85	77	25308	2.5467 ug/ml	95
22) Isophorone	11.14	82	38523	2.4411 ug/ml	98
23) 2-Nitrophenol	11.26	139	9993	2.1116 ug/ml#	79
24) 2,4-Dimethylphenol	11.25	122	25434	2.9020 ug/ml	81
25) bis(2-Chloroethoxy)methane	11.39	93	28607	2.5911 ug/ml	98
26) Benzoic Acid	11.26	105	6735	1.0478 ug/ml#	1
27) 2,4-Dichlorophenol	11.55	162	18529	2.3478 ug/ml	99
28) 1,2,4-Trichlorobenzene	11.68	180	23718	2.6697 ug/ml	97
29) Naphthalene	11.79	128	77142	2.6760 ug/ml	100
30) 4-Chloroaniline	11.82	127	27137	2.5340 ug/ml	97
31) Hexachlorobutadiene	11.92	225	12592	2.5845 ug/ml	99
32) 4-Chloro-3-Methylphenol	12.37	107	18632	2.3271 ug/ml	99
33) 2-Methylnaphthalene	12.64	142	49010	2.6079 ug/ml	98
34) 1-Methylnaphthalene	12.76	142	45451	2.6399 ug/ml	99
36) Hexachlorocyclopentadiene	12.82	237	5473	1.7728 ug/ml#	94
37) 2,4,6-Trichlorophenol	12.96	196	12781	2.2521 ug/ml	98
38) 2,4,5-Trichlorophenol	13.00	196	13709	2.2599 ug/ml	98
40) 2-Chloronaphthalene	13.23	162	47616	2.6554 ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101305\4M30392.D Vial: 3
Acq On : 13 Oct 2005 9:32 Operator: CLK
Sample : WG198264-03 3PPM BNA STD Inst : HPMS4
Misc : 1,1 SOS74-33-1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 13 14:51:07 2005 Quant Results File: BNA1013.RES

Quant Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Thu Oct 13 14:50:43 2005
Response via : Initial Calibration
DataAcq Meth : BNA

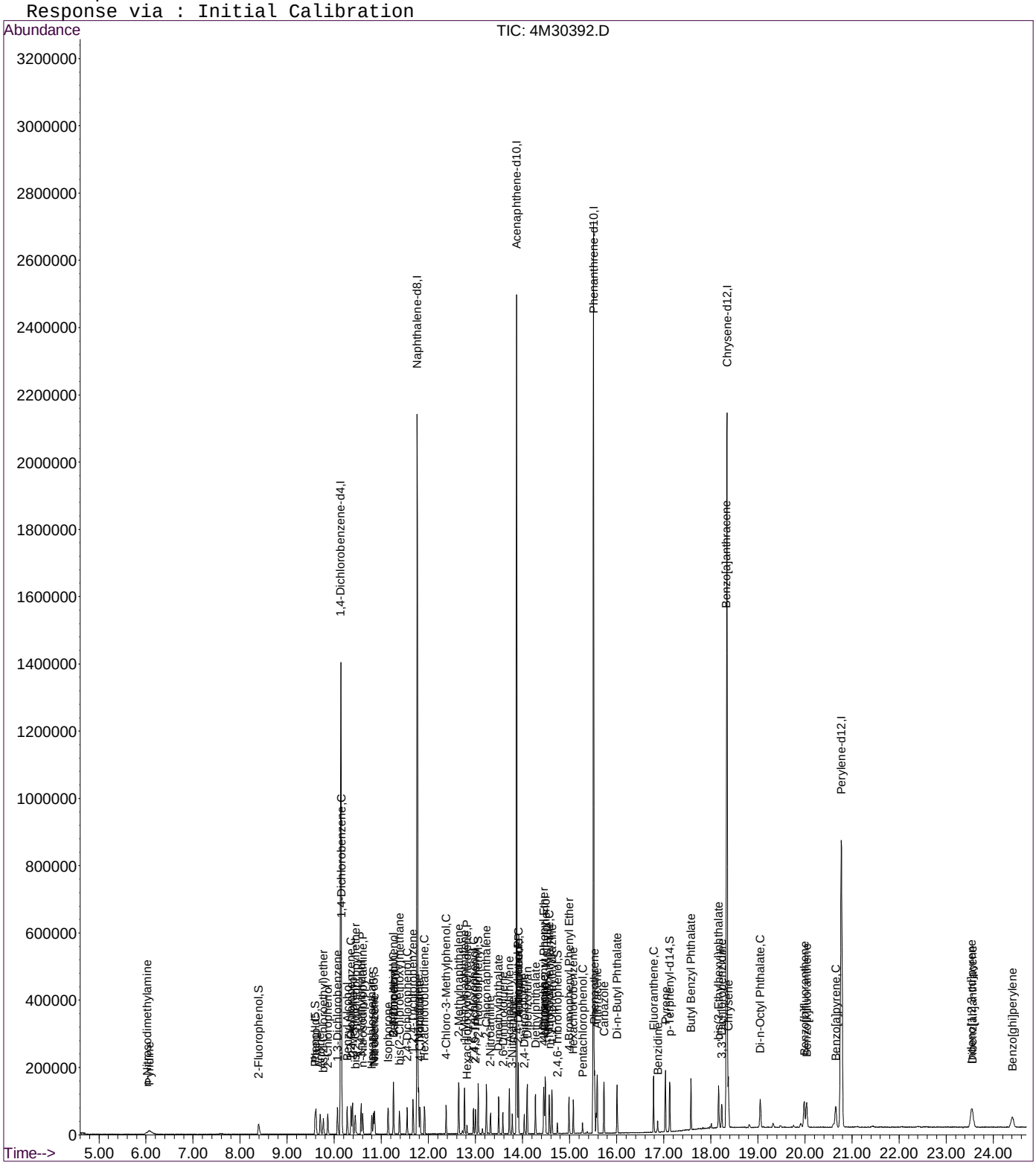
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
41)	2-Nitroaniline	13.32	65	11001	2.0763	ug/ml	92
42)	Dimethylphthalate	13.49	163	52600	2.5711	ug/ml	99
43)	Acenaphthylene	13.72	152	64425	2.4773	ug/ml	99
44)	2,6-Dinitrotoluene	13.58	165	9077	1.9782	ug/ml	86
45)	3-Nitroaniline	13.79	138	9842	2.1779	ug/ml	91
46)	Acenaphthene	13.91	154	44263	2.6654	ug/ml	98
47)	2,4-Dinitrophenol	13.90	184	1244	0.5844	ug/ml#	1
48)	4-Nitrophenol	13.91	65	6131	1.9842	ug/ml	96
49)	Dibenzofuran	14.10	168	68548	2.6666	ug/ml	100
50)	2,4-Dinitrotoluene	14.04	165	11307	1.9530	ug/ml	91
51)	Diethylphthalate	14.28	149	49046	2.5686	ug/ml	98
52)	Fluorene	14.48	166	52585	2.6436	ug/ml	98
53)	4-Chlorophenyl Phenyl Ethe	14.45	204	25733	2.5192	ug/ml	95
54)	4-Nitroaniline	14.46	138	10154	2.7926	ug/ml	82
55)	1,2-Diphenylhydrazine	14.62	77	52119	2.5942	ug/ml	99
58)	4,6-Dinitro-2-Methylphenol	14.49	198	3169	0.9659	ug/ml#	47
59)	n-Nitrosodiphenylamine	14.57	169	34201	2.5214	ug/ml	99
60)	4-Bromophenyl Phenyl Ether	14.99	248	14226	2.4954	ug/ml	95
61)	Hexachlorobenzene	15.08	284	14195	2.5765	ug/ml	98
62)	Pentachlorophenol	15.28	266	5400	1.4343	ug/ml	97
63)	Phenanthrene	15.53	178	78215	2.6851	ug/ml	98
64)	Anthracene	15.59	178	74705	2.6168	ug/ml	99
65)	Carbazole	15.73	167	65211	2.9325	ug/ml	99
66)	Di-n-Butyl Phthalate	16.01	149	81950	2.5338	ug/ml	100
67)	Fluoranthene	16.79	202	79280	2.5750	ug/ml	98
69)	Benzidine	16.87	184	18141	9.6803	ug/ml	100
70)	Pyrene	17.03	202	83255	2.6480	ug/ml	100
72)	Butyl Benzyl Phthalate	17.58	149	35842	2.5726	ug/ml	97
73)	Benzo[a]anthracene	18.33	228	74460	2.6199	ug/ml	98
74)	3,3'-Dichlorobenzidine	18.23	252	22308	2.7765	ug/ml	99
75)	Chrysene	18.37	228	68753	2.4191	ug/ml	99
76)	bis(2-Ethylhexyl)phthalate	18.17	149	47550	2.5000	ug/ml	98
78)	Di-n-Octyl Phthalate	19.05	149	72009	2.2921	ug/ml	93
79)	Benzo[b]fluoranthene	19.99	252	66307	2.4371	ug/ml	100
80)	Benzo[k]fluoranthene	20.04	252	64472	2.5071	ug/ml	98
81)	Benzo[a]pyrene	20.66	252	58588	2.4085	ug/ml	99
82)	Indeno[1,2,3-cd]pyrene	23.53	276	62988	2.4608	ug/ml	97
83)	Dibenz[ah]anthracene	23.56	278	49593	2.3721	ug/ml	97
84)	Benzo[ghi]perylene	24.41	276	51010	2.4286	ug/ml	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101305\4M30392.D Vial: 3
Acq On : 13 Oct 2005 9:32 Operator: CLK
Sample : WG198264-03 3PPM BNA STD Inst : HPMS4
Misc : 1,1 SOS74-33-1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 13 14:51 2005 Quant Results File: BNA1013.RES

Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Thu Oct 13 14:50:43 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101305\4M30393.D Vial: 4
Acq On : 13 Oct 2005 10:08 Operator: CLK
Sample : WG198264-04 15PPM BNA STD Inst : HPMS4
Misc : 1,1 SOS74-33-2 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 13 14:51:14 2005 Quant Results File: BNA1013.RES

Quant Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Thu Oct 13 14:50:43 2005
Response via : Initial Calibration
DataAcq Meth : BNA

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.14	152	282708	40.00 ug/ml	0.00
19) Naphthalene-d8	11.76	136	1119814	40.00 ug/ml	0.00
35) Acenaphthene-d10	13.88	164	625323	40.00 ug/ml	0.00
57) Phenanthrene-d10	15.50	188	994513	40.00 ug/ml	0.00
68) Chrysene-d12	18.34	240	911844	40.00 ug/ml	0.00
77) Perylene-d12	20.77	264	651683	40.00 ug/ml	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	8.39	112	126338	14.6744 ug/ml	0.00
Spiked Amount 100.000	Range 21 - 100		Recovery = 14.67%#		
6) Phenol-d5	9.60	99	143338	14.6546 ug/ml	0.00
Spiked Amount 100.000	Range 10 - 94		Recovery = 14.65%		
20) Nitrobenzene-d5	10.83	82	137562	15.0918 ug/ml	0.00
Spiked Amount 50.000	Range 35 - 114		Recovery = 30.18%#		
39) 2-Fluorobiphenyl	13.06	172	296646	15.4782 ug/ml	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 30.96%#		
56) 2,4,6-Tribromophenol	14.74	330	29294	13.7092 ug/ml	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 13.71%		
71) p-Terphenyl-d14	17.13	244	301446	15.4264 ug/ml	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 30.86%#		

Target Compounds					Qvalue
2) Pyridine	6.06	79	121589	13.3240 ug/ml	94
3) n-Nitrosodimethylamine	6.01	74	64033	13.0908 ug/ml#	92
5) Aniline	9.70	93	172029	15.4733 ug/ml#	83
7) Phenol	9.61	94	162274	15.1773 ug/ml	93
8) bis(2-Chloroethyl)ether	9.77	63	93729	15.5235 ug/ml	97
9) 2-Chlorophenol	9.86	128	132510	14.6348 ug/ml	98
10) 1,3-Dichlorobenzene	10.07	146	145916	14.9358 ug/ml	98
11) 1,4-Dichlorobenzene	10.16	146	152579	15.0681 ug/ml	97
12) Benzyl Alcohol	10.27	108	87030	14.9108 ug/ml	95
13) 1,2-Dichlorobenzene	10.36	146	138247	14.9366 ug/ml	98
14) 2-Methylphenol	10.39	107	106820	15.1386 ug/ml	98
15) bis(2-Chloroisopropyl)ethe	10.45	45	185177	15.4777 ug/ml#	95
16) 3-,4-Methylphenol	10.57	107	148936	14.7351 ug/ml	99
17) n-Nitrosodipropylamine	10.61	70	90696	15.1528 ug/ml	96
18) Hexachloroethane	10.80	117	50550	14.7451 ug/ml	96
21) Nitrobenzene	10.86	77	141196	15.3705 ug/ml	97
22) Isophorone	11.15	82	225340	15.4472 ug/ml	99
23) 2-Nitrophenol	11.26	139	64029	14.6360 ug/ml	83
24) 2,4-Dimethylphenol	11.26	122	128857	15.9047 ug/ml	90
25) bis(2-Chloroethoxy)methane	11.39	93	155860	15.2715 ug/ml	100
26) Benzoic Acid	11.28	105	68471	11.5236 ug/ml#	54
27) 2,4-Dichlorophenol	11.55	162	107775	14.7727 ug/ml	96
28) 1,2,4-Trichlorobenzene	11.67	180	123646	15.0555 ug/ml	100
29) Naphthalene	11.79	128	407371	15.2871 ug/ml	99
30) 4-Chloroaniline	11.82	127	151995	15.3539 ug/ml	99
31) Hexachlorobutadiene	11.92	225	67706	15.0329 ug/ml	99
32) 4-Chloro-3-Methylphenol	12.38	107	109197	14.7541 ug/ml	99
33) 2-Methylnaphthalene	12.65	142	267473	15.3965 ug/ml	99
34) 1-Methylnaphthalene	12.77	142	243560	15.3032 ug/ml	99
36) Hexachlorocyclopentadiene	12.82	237	39436	13.5427 ug/ml	100
37) 2,4,6-Trichlorophenol	12.96	196	77017	14.3879 ug/ml	99
38) 2,4,5-Trichlorophenol	13.00	196	82664	14.4470 ug/ml	99
40) 2-Chloronaphthalene	13.23	162	257310	15.2130 ug/ml	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101305\4M30393.D Vial: 4
Acq On : 13 Oct 2005 10:08 Operator: CLK
Sample : WG198264-04 15PPM BNA STD Inst : HPMS4
Misc : 1,1 SOS74-33-2 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 13 14:51:14 2005 Quant Results File: BNA1013.RES

Quant Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Thu Oct 13 14:50:43 2005
Response via : Initial Calibration
DataAcq Meth : BNA

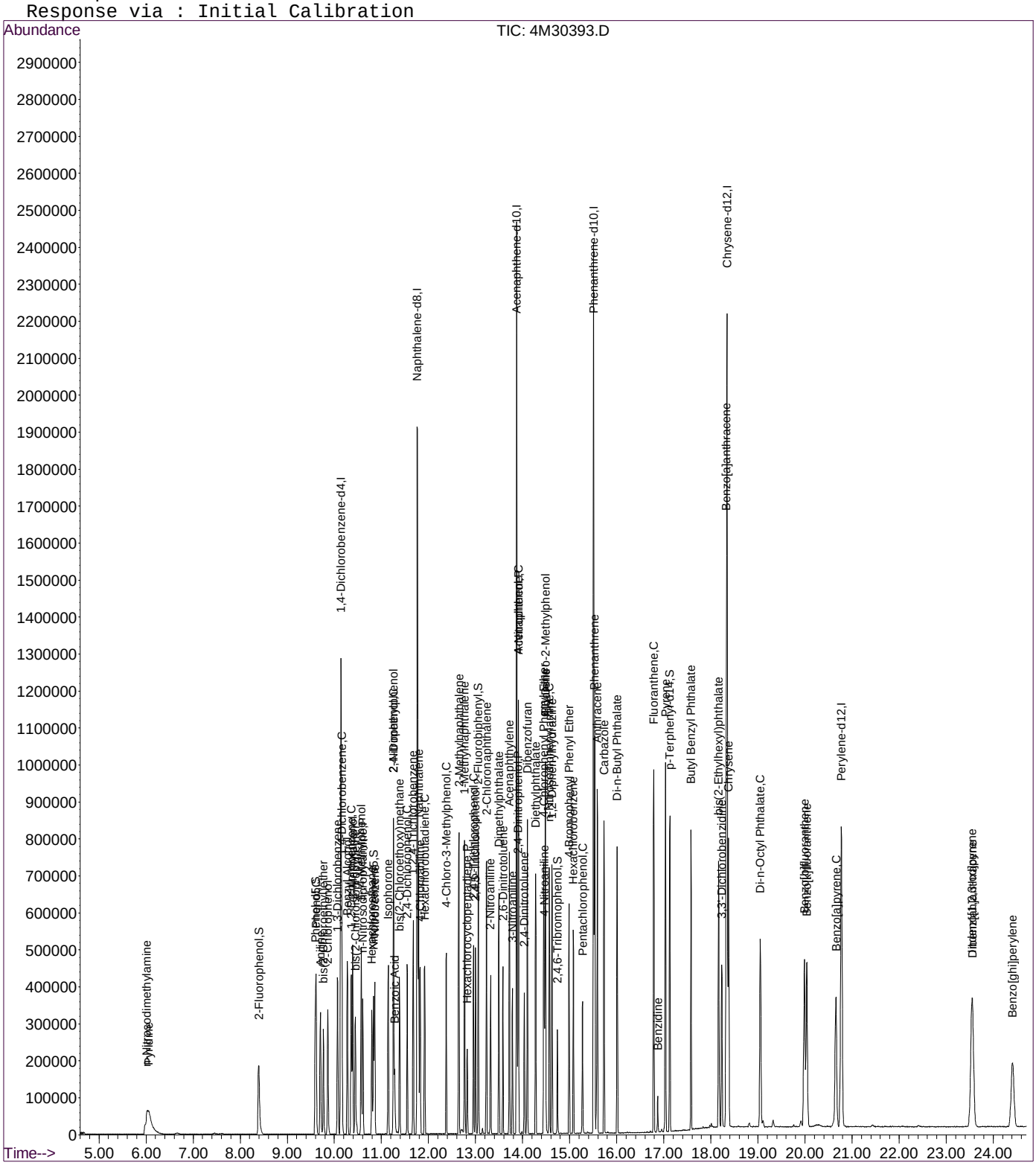
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
41)	2-Nitroaniline	13.32	65	70839	14.1746	ug/ml	95
42)	Dimethylphthalate	13.50	163	291547	15.1085	ug/ml	100
43)	Acenaphthylene	13.72	152	376441	15.3461	ug/ml	99
44)	2,6-Dinitrotoluene	13.58	165	60853	14.0599	ug/ml	91
45)	3-Nitroaniline	13.78	138	63095	14.8026	ug/ml	94
46)	Acenaphthene	13.91	154	243481	15.5444	ug/ml	100
47)	2,4-Dinitrophenol	13.90	184	19231	9.5782	ug/ml#	1
48)	4-Nitrophenol	13.91	65	43327	14.8658	ug/ml	98
49)	Dibenzofuran	14.10	168	374160	15.4311	ug/ml	99
50)	2,4-Dinitrotoluene	14.04	165	76867	14.0761	ug/ml	89
51)	Diethylphthalate	14.28	149	275661	15.3054	ug/ml	99
52)	Fluorene	14.48	166	291918	15.5586	ug/ml	100
53)	4-Chlorophenyl Phenyl Ethe	14.45	204	146046	15.1580	ug/ml	98
54)	4-Nitroaniline	14.46	138	45420	13.2436	ug/ml#	76
55)	1,2-Diphenylhydrazine	14.62	77	297445	15.6963	ug/ml	100
58)	4,6-Dinitro-2-Methylphenol	14.49	198	35874	11.7938	ug/ml#	68
59)	n-Nitrosodiphenylamine	14.57	169	195871	15.5756	ug/ml	100
60)	4-Bromophenyl Phenyl Ether	14.99	248	80945	15.3150	ug/ml	99
61)	Hexachlorobenzene	15.08	284	78060	15.2825	ug/ml	95
62)	Pentachlorophenol	15.27	266	44121	12.6401	ug/ml	100
63)	Phenanthrene	15.53	178	423462	15.6799	ug/ml	99
64)	Anthracene	15.58	178	413121	15.6083	ug/ml	100
65)	Carbazole	15.73	167	360367	17.4791	ug/ml	98
66)	Di-n-Butyl Phthalate	16.01	149	471539	15.7254	ug/ml	100
67)	Fluoranthene	16.79	202	443746	15.5455	ug/ml	100
69)	Benzidine	16.87	184	41688	23.7067	ug/ml	100
70)	Pyrene	17.03	202	461755	15.6514	ug/ml	99
72)	Butyl Benzyl Phthalate	17.58	149	199740	15.2781	ug/ml	98
73)	Benzo[a]anthracene	18.33	228	398706	14.9501	ug/ml	100
74)	3,3'-Dichlorobenzidine	18.23	252	121628	16.1323	ug/ml	98
75)	Chrysene	18.37	228	380575	14.2703	ug/ml	100
76)	bis(2-Ethylhexyl)phthalate	18.16	149	274631	15.3875	ug/ml	98
78)	Di-n-Octyl Phthalate	19.05	149	446375	15.2955	ug/ml	96
79)	Benzo[b]fluoranthene	19.99	252	380203	15.0434	ug/ml	100
80)	Benzo[k]fluoranthene	20.04	252	354078	14.8227	ug/ml	98
81)	Benzo[a]pyrene	20.66	252	332767	14.7268	ug/ml	99
82)	Indeno[1,2,3-cd]pyrene	23.54	276	349756	14.7100	ug/ml	100
83)	Dibenz[ah]anthracene	23.57	278	285356	14.6932	ug/ml	98
84)	Benzo[ghi]perylene	24.42	276	285785	14.6475	ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101305\4M30393.D Vial: 4
Acq On : 13 Oct 2005 10:08 Operator: CLK
Sample : WG198264-04 15PPM BNA STD Inst : HPMS4
Misc : 1,1 SOS74-33-2 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 13 14:51 2005 Quant Results File: BNA1013.RES

Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Thu Oct 13 14:50:43 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101305\4M30394.D Vial: 5
Acq On : 13 Oct 2005 10:43 Operator: CLK
Sample : WG198264-05 25PPM BNA STD Inst : HPMS4
Misc : 1,1 SOS74-33-3 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 13 14:51:30 2005 Quant Results File: BNA1013.RES

Quant Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Thu Oct 13 14:50:43 2005
Response via : Initial Calibration
DataAcq Meth : BNA

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.14	152	313684	40.00 ug/ml	0.00
19) Naphthalene-d8	11.77	136	1224468	40.00 ug/ml	0.00
35) Acenaphthene-d10	13.88	164	681247	40.00 ug/ml	0.00
57) Phenanthrene-d10	15.50	188	1113944	40.00 ug/ml	0.00
68) Chrysene-d12	18.34	240	1013855	40.00 ug/ml	0.00
77) Perylene-d12	20.77	264	727911	40.00 ug/ml	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	8.39	112	250347	26.2068 ug/ml	0.00
Spiked Amount 100.000	Range 21 - 100		Recovery = 26.21%		
6) Phenol-d5	9.60	99	284266	26.1930 ug/ml	0.00
Spiked Amount 100.000	Range 10 - 94		Recovery = 26.19%		
20) Nitrobenzene-d5	10.84	82	267317	26.8205 ug/ml	0.00
Spiked Amount 50.000	Range 35 - 114		Recovery = 53.64%		
39) 2-Fluorobiphenyl	13.06	172	569327	27.2674 ug/ml	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 54.54%		
56) 2,4,6-Tribromophenol	14.74	330	59824	25.6985 ug/ml	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 25.70%		
71) p-Terphenyl-d14	17.13	244	591754	27.2358 ug/ml	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 54.48%		

Target Compounds					Qvalue
2) Pyridine	6.06	79	246415	24.3362 ug/ml	98
3) n-Nitrosodimethylamine	6.00	74	135939	25.0467 ug/ml	96
5) Aniline	9.70	93	325480	26.3847 ug/ml#	83
7) Phenol	9.61	94	315206	26.5696 ug/ml	94
8) bis(2-Chloroethyl)ether	9.77	63	178401	26.6292 ug/ml	97
9) 2-Chlorophenol	9.86	128	262159	26.0946 ug/ml	99
10) 1,3-Dichlorobenzene	10.07	146	287335	26.5069 ug/ml	100
11) 1,4-Dichlorobenzene	10.16	146	295775	26.3252 ug/ml	98
12) Benzyl Alcohol	10.28	108	169098	26.1105 ug/ml	96
13) 1,2-Dichlorobenzene	10.36	146	267996	26.0958 ug/ml	97
14) 2-Methylphenol	10.39	107	203820	26.0330 ug/ml	98
15) bis(2-Chloroisopropyl)ethe	10.45	45	353445	26.6248 ug/ml#	96
16) 3-,4-Methylphenol	10.57	107	293583	26.1775 ug/ml	100
17) n-Nitrosodipropylamine	10.61	70	175940	26.4921 ug/ml	96
18) Hexachloroethane	10.80	117	99474	26.1505 ug/ml	98
21) Nitrobenzene	10.86	77	271647	27.0438 ug/ml	98
22) Isophorone	11.15	82	431179	27.0313 ug/ml	99
23) 2-Nitrophenol	11.26	139	128066	26.7718 ug/ml	88
24) 2,4-Dimethylphenol	11.26	122	240279	27.1227 ug/ml	91
25) bis(2-Chloroethoxy)methane	11.39	93	297906	26.6947 ug/ml	99
26) Benzoic Acid	11.30	105	147260	22.6655 ug/ml	94
27) 2,4-Dichlorophenol	11.55	162	210066	26.3327 ug/ml	98
28) 1,2,4-Trichlorobenzene	11.67	180	238372	26.5442 ug/ml	99
29) Naphthalene	11.79	128	786821	27.0029 ug/ml	99
30) 4-Chloroaniline	11.82	127	295446	27.2939 ug/ml	99
31) Hexachlorobutadiene	11.92	225	131727	26.7478 ug/ml	99
32) 4-Chloro-3-Methylphenol	12.38	107	216756	26.7838 ug/ml	100
33) 2-Methylnaphthalene	12.65	142	516474	27.1888 ug/ml	99
34) 1-Methylnaphthalene	12.77	142	468549	26.9233 ug/ml	99
36) Hexachlorocyclopentadiene	12.82	237	76677	24.1700 ug/ml	98
37) 2,4,6-Trichlorophenol	12.96	196	154845	26.5526 ug/ml	99
38) 2,4,5-Trichlorophenol	13.00	196	165092	26.4843 ug/ml	98
40) 2-Chloronaphthalene	13.23	162	500234	27.1476 ug/ml	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101305\4M30394.D Vial: 5
Acq On : 13 Oct 2005 10:43 Operator: CLK
Sample : WG198264-05 25PPM BNA STD Inst : HPMS4
Misc : 1,1 SOS74-33-3 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 13 14:51:30 2005 Quant Results File: BNA1013.RES

Quant Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Thu Oct 13 14:50:43 2005
Response via : Initial Calibration
DataAcq Meth : BNA

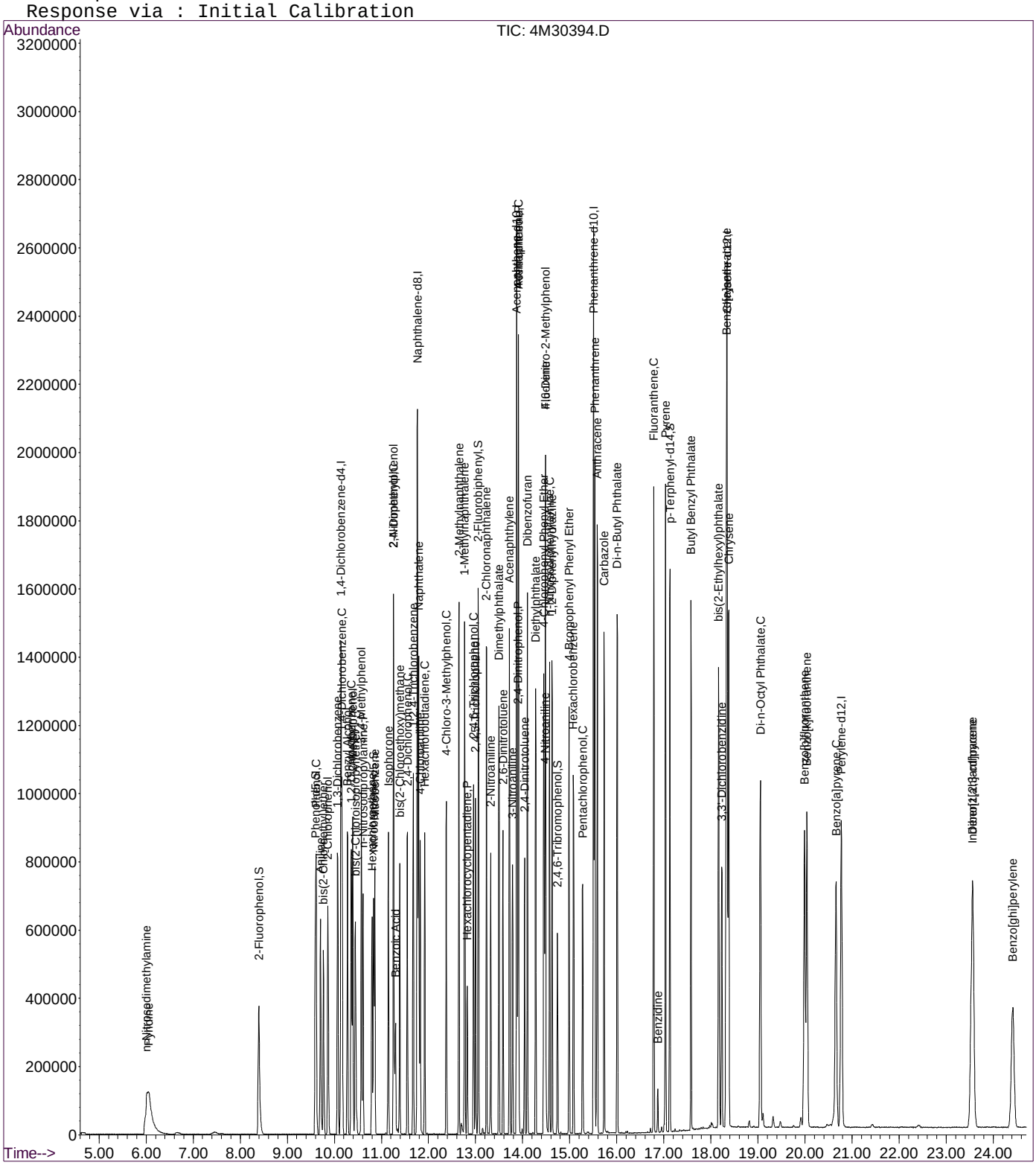
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41)	2-Nitroaniline	13.32	65	142844	26.2361 ug/ml	96
42)	Dimethylphthalate	13.50	163	568732	27.0533 ug/ml	100
43)	Acenaphthylene	13.72	152	733118	27.4330 ug/ml	99
44)	2,6-Dinitrotoluene	13.58	165	127278	26.9932 ug/ml	95
45)	3-Nitroaniline	13.78	138	126810	27.3085 ug/ml	96
46)	Acenaphthene	13.91	154	469704	27.5254 ug/ml	98
47)	2,4-Dinitrophenol	13.90	184	46462	21.2413 ug/ml#	45
48)	4-Nitrophenol	13.91	65	86179	27.1413 ug/ml	98
49)	Dibenzofuran	14.10	168	716056	27.1073 ug/ml	100
50)	2,4-Dinitrotoluene	14.04	165	157703	26.5084 ug/ml	92
51)	Diethylphthalate	14.28	149	535324	27.2827 ug/ml	99
52)	Fluorene	14.48	166	563346	27.5604 ug/ml	100
53)	4-Chlorophenyl Phenyl Ethe	14.45	204	286251	27.2708 ug/ml	99
54)	4-Nitroaniline	14.47	138	83180	22.2626 ug/ml#	79
55)	1,2-Diphenylhydrazine	14.62	77	576860	27.9421 ug/ml	100
58)	4,6-Dinitro-2-Methylphenol	14.49	198	77241	22.6710 ug/ml#	67
59)	n-Nitrosodiphenylamine	14.57	169	381402	27.0773 ug/ml	99
60)	4-Bromophenyl Phenyl Ether	14.99	248	159255	26.9010 ug/ml	100
61)	Hexachlorobenzene	15.08	284	152515	26.6579 ug/ml	96
62)	Pentachlorophenol	15.28	266	93847	24.0035 ug/ml	99
63)	Phenanthrene	15.53	178	826127	27.3101 ug/ml	100
64)	Anthracene	15.58	178	807967	27.2533 ug/ml	100
65)	Carbazole	15.73	167	650270	28.1589 ug/ml	99
66)	Di-n-Butyl Phthalate	16.01	149	923303	27.4900 ug/ml	100
67)	Fluoranthene	16.79	202	866556	27.1028 ug/ml	99
69)	Benzidine	16.87	184	51121	26.1460 ug/ml	100
70)	Pyrene	17.03	202	901380	27.4787 ug/ml	100
72)	Butyl Benzyl Phthalate	17.58	149	398469	27.4123 ug/ml	99
73)	Benzo[a]anthracene	18.33	228	780975	26.3375 ug/ml	99
74)	3,3'-Dichlorobenzidine	18.23	252	217923	25.9963 ug/ml	99
75)	Chrysene	18.38	228	754115	25.4316 ug/ml	100
76)	bis(2-Ethylhexyl)phthalate	18.17	149	543629	27.3947 ug/ml	98
78)	Di-n-Octyl Phthalate	19.05	149	898291	27.5574 ug/ml	97
79)	Benzo[b]fluoranthene	19.99	252	739255	26.1868 ug/ml	100
80)	Benzo[k]fluoranthene	20.04	252	712291	26.6958 ug/ml	98
81)	Benzo[a]pyrene	20.66	252	667498	26.4470 ug/ml	99
82)	Indeno[1,2,3-cd]pyrene	23.55	276	695806	26.1995 ug/ml	99
83)	Dibenz[ah]anthracene	23.57	278	573748	26.4489 ug/ml	97
84)	Benzo[ghi]perylene	24.42	276	573616	26.3210 ug/ml	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101305\4M30394.D Vial: 5
Acq On : 13 Oct 2005 10:43 Operator: CLK
Sample : WG198264-05 25PPM BNA STD Inst : HPMS4
Misc : 1,1 SOS74-33-3 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 13 14:51 2005 Quant Results File: BNA1013.RES

Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Thu Oct 13 14:50:43 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101305\4M30395.D Vial: 6
Acq On : 13 Oct 2005 11:19 Operator: CLK
Sample : WG198264-06 80PPM BNA STD Inst : HPMS4
Misc : 1,1 SOS74-33-5 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 13 14:51:40 2005 Quant Results File: BNA1013.RES

Quant Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Thu Oct 13 14:50:43 2005
Response via : Initial Calibration
DataAcq Meth : BNA

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.14	152	322269	40.00 ug/ml	0.00
19) Naphthalene-d8	11.77	136	1304977	40.00 ug/ml	0.00
35) Acenaphthene-d10	13.88	164	743236	40.00 ug/ml	0.00
57) Phenanthrene-d10	15.51	188	1239846	40.00 ug/ml	0.00
68) Chrysene-d12	18.35	240	1150392	40.00 ug/ml	0.00
77) Perylene-d12	20.78	264	857725	40.00 ug/ml	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	8.39	112	826450	84.2097 ug/ml	0.00
Spiked Amount 100.000	Range 21 - 100		Recovery = 84.21%		
6) Phenol-d5	9.60	99	936831	84.0223 ug/ml	0.00
Spiked Amount 100.000	Range 10 - 94		Recovery = 84.02%		
20) Nitrobenzene-d5	10.84	82	879286	82.7779 ug/ml	0.00
Spiked Amount 50.000	Range 35 - 114		Recovery = 165.56%#		
39) 2-Fluorobiphenyl	13.06	172	1838334	80.7021 ug/ml	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 161.40%#		
56) 2,4,6-Tribromophenol	14.75	330	227053	89.3999 ug/ml	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 89.40%		
71) p-Terphenyl-d14	17.13	244	1999549	81.1075 ug/ml	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 162.22%#		
Target Compounds					Qvalue
2) Pyridine	6.06	79	871393	83.7672 ug/ml	98
3) n-Nitrosodimethylamine	6.00	74	489380	87.7662 ug/ml	98
5) Aniline	9.71	93	1010754	79.7531 ug/ml#	84
7) Phenol	9.62	94	1008216	82.7216 ug/ml	96
8) bis(2-Chloroethyl)ether	9.77	63	562569	81.7356 ug/ml	96
9) 2-Chlorophenol	9.86	128	867202	84.0193 ug/ml	99
10) 1,3-Dichlorobenzene	10.07	146	918312	82.4583 ug/ml	100
11) 1,4-Dichlorobenzene	10.16	146	948411	82.1637 ug/ml	99
12) Benzyl Alcohol	10.28	108	558893	84.0001 ug/ml	98
13) 1,2-Dichlorobenzene	10.36	146	868362	82.3033 ug/ml	98
14) 2-Methylphenol	10.39	107	668557	83.1171 ug/ml	99
15) bis(2-Chloroisopropyl)ethe	10.45	45	1112080	81.5407 ug/ml#	93
16) 3-,4-Methylphenol	10.58	107	972613	84.4135 ug/ml	99
17) n-Nitrosodipropylamine	10.62	70	563965	82.6566 ug/ml	96
18) Hexachloroethane	10.80	117	330012	84.4451 ug/ml	99
21) Nitrobenzene	10.86	77	874583	81.6975 ug/ml	100
22) Isophorone	11.15	82	1393960	81.9983 ug/ml	99
23) 2-Nitrophenol	11.26	139	457169	89.6737 ug/ml	95
24) 2,4-Dimethylphenol	11.26	122	731287	77.4549 ug/ml	94
25) bis(2-Chloroethoxy)methane	11.39	93	971299	81.6664 ug/ml	99
26) Benzoic Acid	11.35	105	620376	89.5941 ug/ml	94
27) 2,4-Dichlorophenol	11.55	162	716080	84.2259 ug/ml	99
28) 1,2,4-Trichlorobenzene	11.68	180	780605	81.5626 ug/ml	99
29) Naphthalene	11.79	128	2470641	79.5588 ug/ml	98
30) 4-Chloroaniline	11.82	127	918823	79.6460 ug/ml	98
31) Hexachlorobutadiene	11.92	225	430702	82.0606 ug/ml	99
32) 4-Chloro-3-Methylphenol	12.38	107	726746	84.2615 ug/ml	97
33) 2-Methylnaphthalene	12.65	142	1643668	81.1895 ug/ml	99
34) 1-Methylnaphthalene	12.77	142	1509418	81.3819 ug/ml	100
36) Hexachlorocyclopentadiene	12.82	237	317179	91.6420 ug/ml	98
37) 2,4,6-Trichlorophenol	12.96	196	547141	85.9979 ug/ml	99
38) 2,4,5-Trichlorophenol	13.00	196	580275	85.3245 ug/ml	99
40) 2-Chloronaphthalene	13.23	162	1639859	81.5724 ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101305\4M30395.D Vial: 6
Acq On : 13 Oct 2005 11:19 Operator: CLK
Sample : WG198264-06 80PPM BNA STD Inst : HPMS4
Misc : 1,1 SOS74-33-5 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 13 14:51:40 2005 Quant Results File: BNA1013.RES

Quant Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Thu Oct 13 14:50:43 2005
Response via : Initial Calibration
DataAcq Meth : BNA

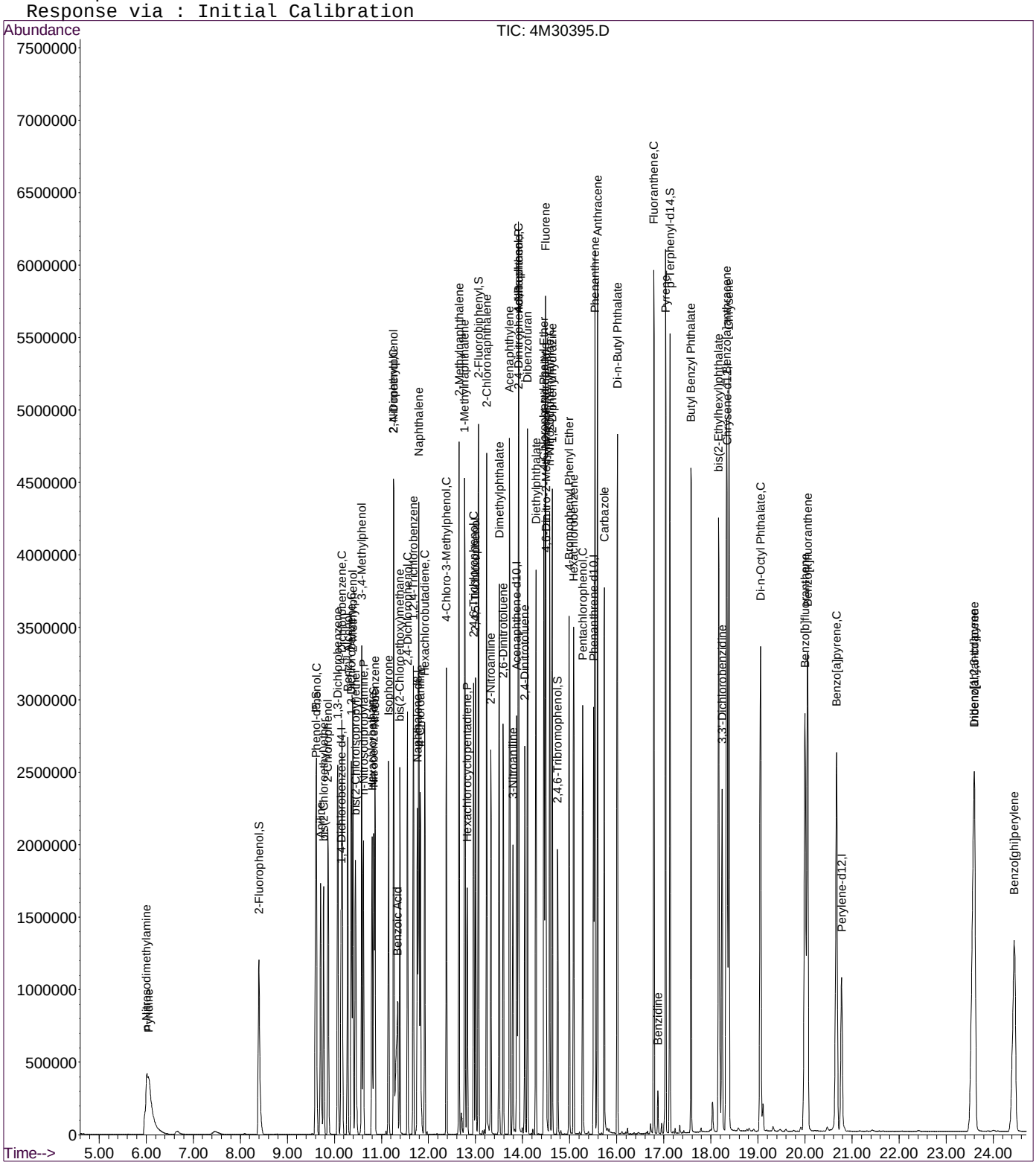
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
41)	2-Nitroaniline	13.33	65	480774	80.9386	ug/ml	98
42)	Dimethylphthalate	13.50	163	1890164	82.4120	ug/ml	100
43)	Acenaphthylene	13.72	152	2402469	82.4016	ug/ml	99
44)	2,6-Dinitrotoluene	13.59	165	453741	88.2036	ug/ml	98
45)	3-Nitroaniline	13.79	138	375683	74.1555	ug/ml	98
46)	Acenaphthene	13.91	154	1499844	80.5625	ug/ml	97
47)	2,4-Dinitrophenol	13.90	184	219382	91.9311	ug/ml	69
48)	4-Nitrophenol	13.92	65	273978	79.0903	ug/ml	90
49)	Dibenzofuran	14.11	168	2336824	81.0855	ug/ml	98
50)	2,4-Dinitrotoluene	14.05	165	571071	87.9855	ug/ml	96
51)	Diethylphthalate	14.28	149	1749753	81.7381	ug/ml	100
52)	Fluorene	14.48	166	1803715	80.8828	ug/ml	100
53)	4-Chlorophenyl Phenyl Ethe	14.45	204	947234	82.7154	ug/ml	99
54)	4-Nitroaniline	14.47	138	354412	86.9449	ug/ml	87
55)	1,2-Diphenylhydrazine	14.63	77	1816585	80.6534	ug/ml	97
58)	4,6-Dinitro-2-Methylphenol	14.50	198	326109	85.9965	ug/ml#	79
59)	n-Nitrosodiphenylamine	14.58	169	1273424	81.2251	ug/ml	99
60)	4-Bromophenyl Phenyl Ether	14.99	248	545404	82.7730	ug/ml	97
61)	Hexachlorobenzene	15.08	284	521867	81.9539	ug/ml	98
62)	Pentachlorophenol	15.28	266	367985	84.5628	ug/ml	100
63)	Phenanthrene	15.54	178	2702487	80.2667	ug/ml	100
64)	Anthracene	15.59	178	2659704	80.6037	ug/ml	100
65)	Carbazole	15.73	167	1859183	72.3335	ug/ml	99
66)	Di-n-Butyl Phthalate	16.01	149	3028086	81.0017	ug/ml	100
67)	Fluoranthene	16.79	202	2890927	81.2362	ug/ml	99
69)	Benzidine	16.87	184	116189	52.3721	ug/ml	100
70)	Pyrene	17.04	202	3022444	81.2037	ug/ml	99
72)	Butyl Benzyl Phthalate	17.58	149	1336373	81.0229	ug/ml	98
73)	Benzo[a]anthracene	18.33	228	2774875	82.4727	ug/ml	100
74)	3,3'-Dichlorobenzidine	18.24	252	743763	78.1940	ug/ml	99
75)	Chrysene	18.38	228	2641009	78.4940	ug/ml	99
76)	bis(2-Ethylhexyl)phthalate	18.17	149	1835568	81.5201	ug/ml	100
78)	Di-n-Octyl Phthalate	19.05	149	3209431	83.5564	ug/ml	100
79)	Benzo[b]fluoranthene	20.00	252	2741999	82.4299	ug/ml	100
80)	Benzo[k]fluoranthene	20.06	252	2642728	84.0558	ug/ml	98
81)	Benzo[a]pyrene	20.67	252	2495030	83.8941	ug/ml	99
82)	Indeno[1,2,3-cd]pyrene	23.59	276	2605340	83.2529	ug/ml	99
83)	Dibenz[ah]anthracene	23.60	278	2143432	83.8545	ug/ml	98
84)	Benzo[ghi]perylene	24.44	276	2150307	83.7360	ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101305\4M30395.D Vial: 6
Acq On : 13 Oct 2005 11:19 Operator: CLK
Sample : WG198264-06 80PPM BNA STD Inst : HPMS4
Misc : 1,1 SOS74-33-5 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 13 14:51 2005 Quant Results File: BNA1013.RES

Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Thu Oct 13 14:50:43 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101305\4M30396.D Vial: 7
Acq On : 13 Oct 2005 11:53 Operator: CLK
Sample : WG198264-07 100PPM BNA STD Inst : HPMS4
Misc : 1,1 SOS74-33-6 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 13 14:51:47 2005 Quant Results File: BNA1013.RES

Quant Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Thu Oct 13 14:50:43 2005
Response via : Initial Calibration
DataAcq Meth : BNA

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.14	152	358044	40.00 ug/ml	0.00
19) Naphthalene-d8	11.76	136	1477811	40.00 ug/ml	0.00
35) Acenaphthene-d10	13.87	164	843486	40.00 ug/ml	0.00
57) Phenanthrene-d10	15.51	188	1410200	40.00 ug/ml	0.00
68) Chrysene-d12	18.35	240	1308055	40.00 ug/ml	0.01
77) Perylene-d12	20.78	264	993950	40.00 ug/ml	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	8.39	112	1160776	106.4574 ug/ml	0.00
Spiked Amount 100.000	Range 21 - 100		Recovery = 106.46%#		
6) Phenol-d5	9.61	99	1303694	105.2425 ug/ml	0.01
Spiked Amount 100.000	Range 10 - 94		Recovery = 105.24%#		
20) Nitrobenzene-d5	10.84	82	1221593	101.5535 ug/ml	0.01
Spiked Amount 50.000	Range 35 - 114		Recovery = 203.10%#		
39) 2-Fluorobiphenyl	13.06	172	2525593	97.6951 ug/ml	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 195.40%#		
56) 2,4,6-Tribromophenol	14.75	330	330755	114.7533 ug/ml	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 114.75%		
71) p-Terphenyl-d14	17.13	244	2752067	98.1766 ug/ml	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 196.36%#		

Target Compounds					Qvalue
2) Pyridine	6.06	79	1234984	106.8571 ug/ml	93
3) n-Nitrosodimethylamine	6.01	74	691157	111.5680 ug/ml	97
5) Aniline	9.71	93	1438990	102.1979 ug/ml#	85
7) Phenol	9.62	94	1394200	102.9609 ug/ml	97
8) bis(2-Chloroethyl)ether	9.77	63	776018	101.4820 ug/ml	96
9) 2-Chlorophenol	9.87	128	1212320	105.7203 ug/ml	99
10) 1,3-Dichlorobenzene	10.07	146	1274341	102.9941 ug/ml	100
11) 1,4-Dichlorobenzene	10.16	146	1313604	102.4307 ug/ml	99
12) Benzyl Alcohol	10.29	108	790925	106.9963 ug/ml	99
13) 1,2-Dichlorobenzene	10.36	146	1211105	103.3190 ug/ml	99
14) 2-Methylphenol	10.40	107	933126	104.4177 ug/ml	99
15) bis(2-Chloroisopropyl)ethe	10.45	45	1524173	100.5900 ug/ml#	92
16) 3-,4-Methylphenol	10.58	107	1350836	105.5253 ug/ml	99
17) n-Nitrosodipropylamine	10.62	70	787139	103.8387 ug/ml	97
18) Hexachloroethane	10.80	117	459282	105.7807 ug/ml	99
21) Nitrobenzene	10.87	77	1198657	98.8751 ug/ml	99
22) Isophorone	11.16	82	1940465	100.7962 ug/ml	99
23) 2-Nitrophenol	11.26	139	589437	102.0962 ug/ml	94
24) 2,4-Dimethylphenol	11.26	122	1006626	94.1484 ug/ml	94
25) bis(2-Chloroethoxy)methane	11.39	93	1346894	100.0019 ug/ml	100
26) Benzoic Acid	11.36	105	867496	110.6307 ug/ml	88
27) 2,4-Dichlorophenol	11.56	162	1013277	105.2437 ug/ml	99
28) 1,2,4-Trichlorobenzene	11.68	180	1094213	100.9591 ug/ml	99
29) Naphthalene	11.80	128	3505144	99.6709 ug/ml	99
30) 4-Chloroaniline	11.83	127	1335462	102.2228 ug/ml	99
31) Hexachlorobutadiene	11.92	225	605172	101.8170 ug/ml	99
32) 4-Chloro-3-Methylphenol	12.38	107	1009391	103.3451 ug/ml	96
33) 2-Methylnaphthalene	12.65	142	2256057	98.4056 ug/ml	99
34) 1-Methylnaphthalene	12.77	142	2072370	98.6665 ug/ml	99
36) Hexachlorocyclopentadiene	12.82	237	459931	117.0931 ug/ml	98
37) 2,4,6-Trichlorophenol	12.96	196	767528	106.2996 ug/ml	99
38) 2,4,5-Trichlorophenol	13.00	196	823453	106.6909 ug/ml	99
40) 2-Chloronaphthalene	13.24	162	2257265	98.9392 ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101305\4M30396.D Vial: 7
Acq On : 13 Oct 2005 11:53 Operator: CLK
Sample : WG198264-07 100PPM BNA STD Inst : HPMS4
Misc : 1,1 SOS74-33-6 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 13 14:51:47 2005 Quant Results File: BNA1013.RES

Quant Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Thu Oct 13 14:50:43 2005
Response via : Initial Calibration
DataAcq Meth : BNA

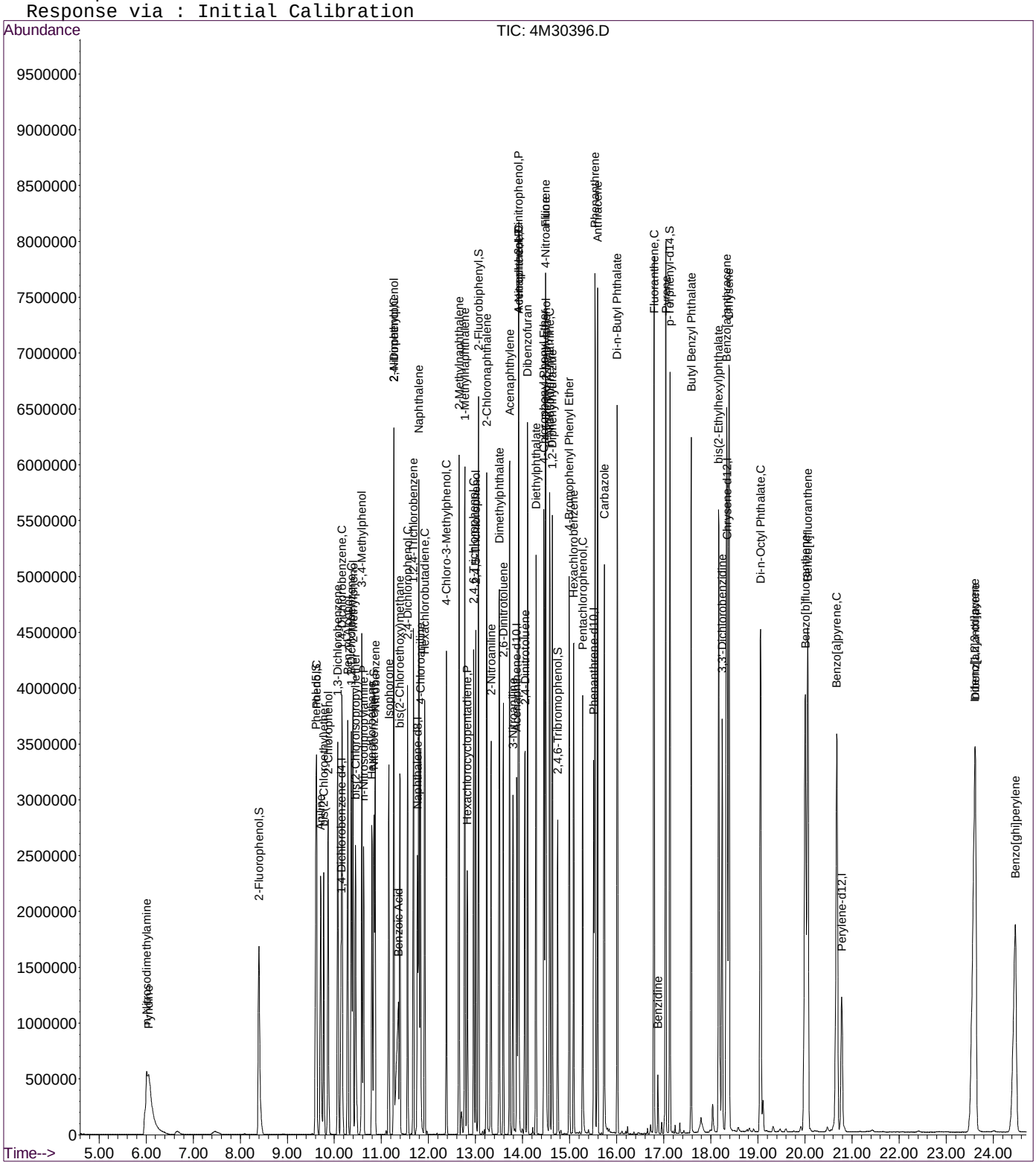
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
41)	2-Nitroaniline	13.33	65	667327	98.9925	ug/ml	97
42)	Dimethylphthalate	13.51	163	2596980	99.7719	ug/ml	100
43)	Acenaphthylene	13.73	152	3285173	99.2853	ug/ml	99
44)	2,6-Dinitrotoluene	13.59	165	633667	108.5396	ug/ml	99
45)	3-Nitroaniline	13.79	138	592358	103.0279	ug/ml	99
46)	Acenaphthene	13.92	154	2044529	96.7674	ug/ml	97
47)	2,4-Dinitrophenol	13.91	184	325341	120.1293	ug/ml	58
48)	4-Nitrophenol	13.92	65	377072	95.9137	ug/ml	86
49)	Dibenzofuran	14.10	168	3221387	98.4938	ug/ml	98
50)	2,4-Dinitrotoluene	14.05	165	808781	109.7996	ug/ml	98
51)	Diethylphthalate	14.29	149	2405133	99.0001	ug/ml	99
52)	Fluorene	14.49	166	2450676	96.8329	ug/ml	99
53)	4-Chlorophenyl Phenyl Ethe	14.45	204	1306301	100.5127	ug/ml	99
54)	4-Nitroaniline	14.48	138	472925	102.2297	ug/ml	88
55)	1,2-Diphenylhydrazine	14.63	77	2452598	95.9494	ug/ml	95
58)	4,6-Dinitro-2-Methylphenol	14.50	198	485389	112.5368	ug/ml#	83
59)	n-Nitrosodiphenylamine	14.57	169	1777937	99.7059	ug/ml	98
60)	4-Bromophenyl Phenyl Ether	14.99	248	755318	100.7830	ug/ml	97
61)	Hexachlorobenzene	15.09	284	729491	100.7202	ug/ml	99
62)	Pentachlorophenol	15.28	266	528143	106.7058	ug/ml	99
63)	Phenanthrene	15.54	178	3705945	96.7738	ug/ml	100
64)	Anthracene	15.60	178	3657907	97.4633	ug/ml	100
65)	Carbazole	15.73	167	2638828	90.2642	ug/ml	99
66)	Di-n-Butyl Phthalate	16.01	149	4106012	96.5680	ug/ml	100
67)	Fluoranthene	16.79	202	3972520	98.1444	ug/ml	99
69)	Benzidine	16.87	184	213110	84.4810	ug/ml	100
70)	Pyrene	17.04	202	4087314	96.5774	ug/ml	99
72)	Butyl Benzyl Phthalate	17.58	149	1834736	97.8304	ug/ml	97
73)	Benzo[a]anthracene	18.33	228	3866056	101.0543	ug/ml	100
74)	3,3'-Dichlorobenzidine	18.24	252	1131735	104.6413	ug/ml	99
75)	Chrysene	18.39	228	3672469	95.9942	ug/ml	99
76)	bis(2-Ethylhexyl)phthalate	18.16	149	2526524	98.6819	ug/ml	100
78)	Di-n-Octyl Phthalate	19.06	149	4436523	99.6730	ug/ml	100
79)	Benzo[b]fluoranthene	20.01	252	3942493	102.2756	ug/ml	100
80)	Benzo[k]fluoranthene	20.06	252	3736689	102.5618	ug/ml	98
81)	Benzo[a]pyrene	20.68	252	3562778	103.3780	ug/ml	99
82)	Indeno[1,2,3-cd]pyrene	23.60	276	3811408	105.1003	ug/ml	99
83)	Dibenz[ah]anthracene	23.62	278	3129376	105.6472	ug/ml	97
84)	Benzo[ghi]perylene	24.47	276	3147376	105.7655	ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101305\4M30396.D Vial: 7
Acq On : 13 Oct 2005 11:53 Operator: CLK
Sample : WG198264-07 100PPM BNA STD Inst : HPMS4
Misc : 1,1 SOS74-33-6 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 13 14:51 2005 Quant Results File: BNA1013.RES

Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Thu Oct 13 14:50:43 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101305\4M30397.D Vial: 8
Acq On : 13 Oct 2005 12:28 Operator: CLK
Sample : WG198264-08 120PPM BNA STD Inst : HPMS4
Misc : 1,1 SOS74-33-7 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 13 14:52:02 2005 Quant Results File: BNA1013.RES

Quant Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Thu Oct 13 14:50:43 2005
Response via : Initial Calibration
DataAcq Meth : BNA

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.14	152	320088	40.00 ug/ml	0.00
19) Naphthalene-d8	11.77	136	1292464	40.00 ug/ml	0.00
35) Acenaphthene-d10	13.88	164	737945	40.00 ug/ml	0.00
57) Phenanthrene-d10	15.51	188	1222153	40.00 ug/ml	0.00
68) Chrysene-d12	18.35	240	1132394	40.00 ug/ml	0.01
77) Perylene-d12	20.78	264	854310	40.00 ug/ml	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	8.40	112	1214774	124.6206 ug/ml	0.01
Spiked Amount 100.000	Range 21 - 100		Recovery = 124.62%#		
6) Phenol-d5	9.60	99	1348732	121.7891 ug/ml	0.00
Spiked Amount 100.000	Range 10 - 94		Recovery = 121.79%#		
20) Nitrobenzene-d5	10.84	82	1258663	119.6405 ug/ml	0.01
Spiked Amount 50.000	Range 35 - 114		Recovery = 239.28%#		
39) 2-Fluorobiphenyl	13.06	172	2602397	115.0633 ug/ml	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 230.12%#		
56) 2,4,6-Tribromophenol	14.75	330	340567	135.0564 ug/ml	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 135.06%#		
71) p-Terphenyl-d14	17.13	244	2820335	116.2193 ug/ml	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 232.44%#		

Target Compounds					Qvalue
2) Pyridine	6.06	79	1238421	119.8608 ug/ml	96
3) n-Nitrosodimethylamine	6.01	74	725643	131.0247 ug/ml	96
5) Aniline	9.71	93	1459240	115.9252 ug/ml#	84
7) Phenol	9.62	94	1441007	119.0366 ug/ml	97
8) bis(2-Chloroethyl)ether	9.77	63	799926	117.0130 ug/ml	94
9) 2-Chlorophenol	9.87	128	1268681	123.7544 ug/ml	98
10) 1,3-Dichlorobenzene	10.07	146	1330987	120.3282 ug/ml	100
11) 1,4-Dichlorobenzene	10.16	146	1360826	118.6958 ug/ml	99
12) Benzyl Alcohol	10.29	108	818538	123.8624 ug/ml	99
13) 1,2-Dichlorobenzene	10.36	146	1258999	120.1409 ug/ml	99
14) 2-Methylphenol	10.39	107	970128	121.4311 ug/ml	98
15) bis(2-Chloroisopropyl)ethe	10.45	45	1570366	115.9280 ug/ml#	92
16) 3-,4-Methylphenol	10.59	107	1396825	122.0571 ug/ml	99
17) n-Nitrosodipropylamine	10.62	70	805603	118.8764 ug/ml	96
18) Hexachloroethane	10.80	117	474745	122.3078 ug/ml	98
21) Nitrobenzene	10.87	77	1246693	117.5850 ug/ml	99
22) Isophorone	11.16	82	1995310	118.5084 ug/ml	99
23) 2-Nitrophenol	11.26	139	609574	120.7255 ug/ml	94
24) 2,4-Dimethylphenol	11.26	122	1036271	110.8202 ug/ml	95
25) bis(2-Chloroethoxy)methane	11.39	93	1393275	118.2802 ug/ml	100
26) Benzoic Acid	11.37	105	887620	129.4302 ug/ml	88
27) 2,4-Dichlorophenol	11.56	162	1046301	124.2582 ug/ml	99
28) 1,2,4-Trichlorobenzene	11.68	180	1129401	119.1495 ug/ml	100
29) Naphthalene	11.80	128	3588421	116.6719 ug/ml	99
30) 4-Chloroaniline	11.82	127	1351430	118.2797 ug/ml	98
31) Hexachlorobutadiene	11.92	225	624884	120.2102 ug/ml	99
32) 4-Chloro-3-Methylphenol	12.38	107	1042090	121.9933 ug/ml	96
33) 2-Methylnaphthalene	12.65	142	2324944	115.9531 ug/ml	99
34) 1-Methylnaphthalene	12.77	142	2152878	117.1986 ug/ml	100
36) Hexachlorocyclopentadiene	12.82	237	472633	137.5361 ug/ml	98
37) 2,4,6-Trichlorophenol	12.96	196	794374	125.7524 ug/ml	99
38) 2,4,5-Trichlorophenol	13.01	196	842025	124.7003 ug/ml	99
40) 2-Chloronaphthalene	13.24	162	2323836	116.4247 ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101305\4M30397.D Vial: 8
Acq On : 13 Oct 2005 12:28 Operator: CLK
Sample : WG198264-08 120PPM BNA STD Inst : HPMS4
Misc : 1,1 SOS74-33-7 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 13 14:52:02 2005 Quant Results File: BNA1013.RES

Quant Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Thu Oct 13 14:50:43 2005
Response via : Initial Calibration
DataAcq Meth : BNA

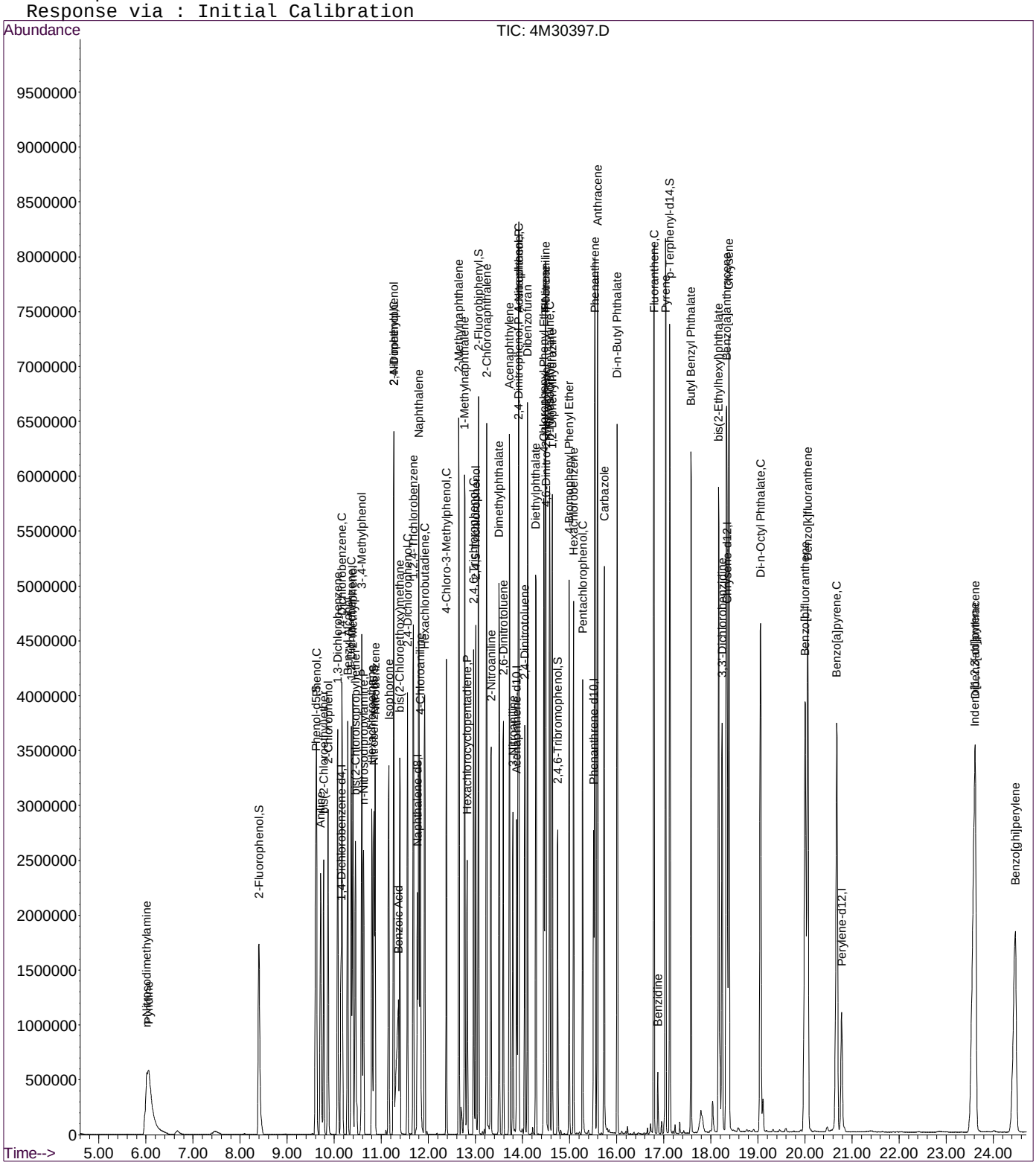
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
41)	2-Nitroaniline	13.33	65	685088	116.1620	ug/ml	97
42)	Dimethylphthalate	13.50	163	2697886	118.4724	ug/ml	100
43)	Acenaphthylene	13.72	152	3383629	116.8863	ug/ml	99
44)	2,6-Dinitrotoluene	13.59	165	656522	128.5376	ug/ml	99
45)	3-Nitroaniline	13.80	138	582485	115.8002	ug/ml	100
46)	Acenaphthene	13.91	154	2100181	113.6178	ug/ml	96
47)	2,4-Dinitrophenol	13.90	184	334855	141.3256	ug/ml	57
48)	4-Nitrophenol	13.92	65	387888	112.7760	ug/ml	86
49)	Dibenzofuran	14.11	168	3300628	115.3497	ug/ml	98
50)	2,4-Dinitrotoluene	14.05	165	837712	129.9926	ug/ml	98
51)	Diethylphthalate	14.29	149	2469972	116.2097	ug/ml	99
52)	Fluorene	14.49	166	2503111	113.0501	ug/ml	100
53)	4-Chlorophenyl Phenyl Ethe	14.45	204	1338370	117.7085	ug/ml	99
54)	4-Nitroaniline	14.48	138	521299	128.8028	ug/ml	90
55)	1,2-Diphenylhydrazine	14.63	77	2517645	112.5808	ug/ml	96
58)	4,6-Dinitro-2-Methylphenol	14.50	198	502393	134.4013	ug/ml#	84
59)	n-Nitrosodiphenylamine	14.58	169	1822057	117.9021	ug/ml	99
60)	4-Bromophenyl Phenyl Ether	14.99	248	776192	119.5038	ug/ml	97
61)	Hexachlorobenzene	15.08	284	746105	118.8644	ug/ml	99
62)	Pentachlorophenol	15.28	266	552083	128.7051	ug/ml	100
63)	Phenanthrene	15.54	178	3777472	113.8191	ug/ml	99
64)	Anthracene	15.59	178	3735141	114.8341	ug/ml	100
65)	Carbazole	15.74	167	2603217	102.7472	ug/ml	99
66)	Di-n-Butyl Phthalate	16.01	149	4214264	114.3641	ug/ml	100
67)	Fluoranthene	16.79	202	4055792	115.6193	ug/ml	99
69)	Benzidine	16.87	184	226099	103.5338	ug/ml	100
70)	Pyrene	17.04	202	4194488	114.4840	ug/ml	99
72)	Butyl Benzyl Phthalate	17.58	149	1899445	116.9918	ug/ml	97
73)	Benzo[a]anthracene	18.33	228	3976063	120.0517	ug/ml	100
74)	3,3'-Dichlorobenzidine	18.24	252	1150279	122.8542	ug/ml	99
75)	Chrysene	18.38	228	3771213	113.8666	ug/ml	99
76)	bis(2-Ethylhexyl)phthalate	18.17	149	2589234	116.8191	ug/ml	100
78)	Di-n-Octyl Phthalate	19.06	149	4547288	118.8602	ug/ml	99
79)	Benzo[b]fluoranthene	20.01	252	4037041	121.8466	ug/ml	100
80)	Benzo[k]fluoranthene	20.06	252	3831506	122.3538	ug/ml	98
81)	Benzo[a]pyrene	20.68	252	3640933	122.9139	ug/ml	99
82)	Indeno[1,2,3-cd]pyrene	23.60	276	3817317	122.4689	ug/ml	99
83)	Dibenz[ah]anthracene	23.61	278	3137736	123.2440	ug/ml	98
84)	Benzo[ghi]perylene	24.47	276	3116888	121.8613	ug/ml	99

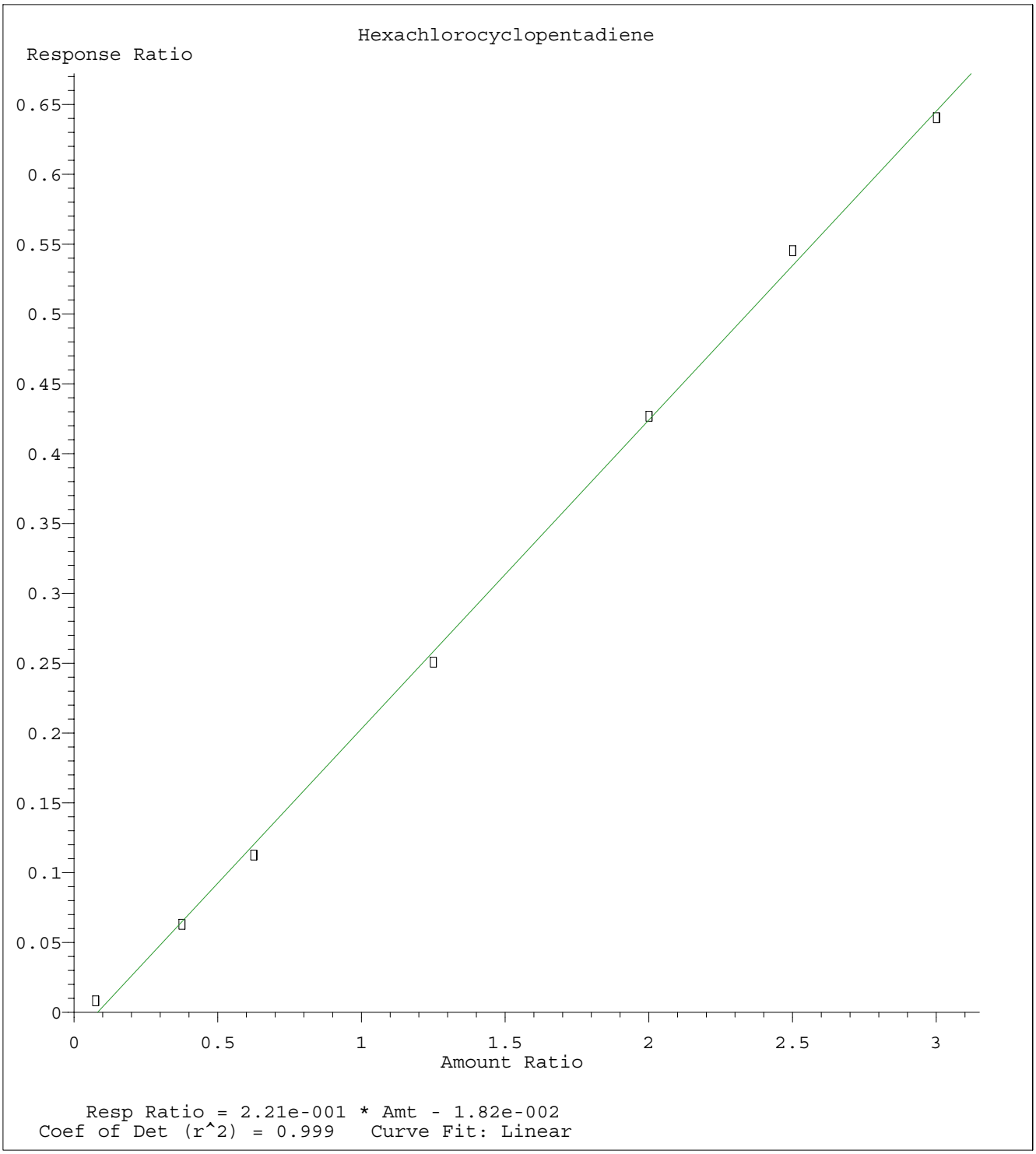
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

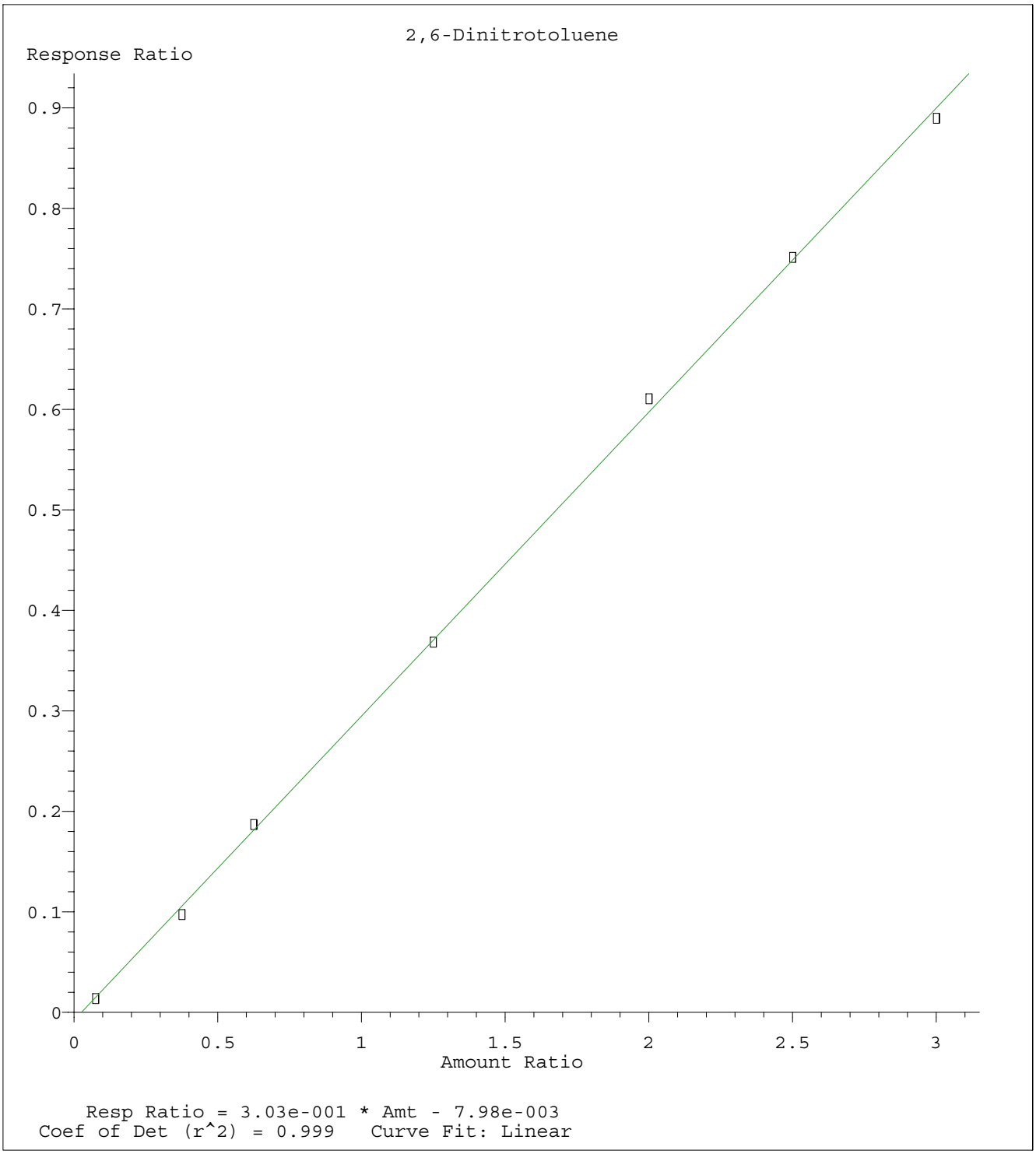
Data File : C:\MSDCHEM\1\DATA\101305\4M30397.D Vial: 8
Acq On : 13 Oct 2005 12:28 Operator: CLK
Sample : WG198264-08 120PPM BNA STD Inst : HPMS4
Misc : 1,1 SOS74-33-7 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 13 14:52 2005 Quant Results File: BNA1013.RES

Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Thu Oct 13 14:50:43 2005
Response via : Initial Calibration

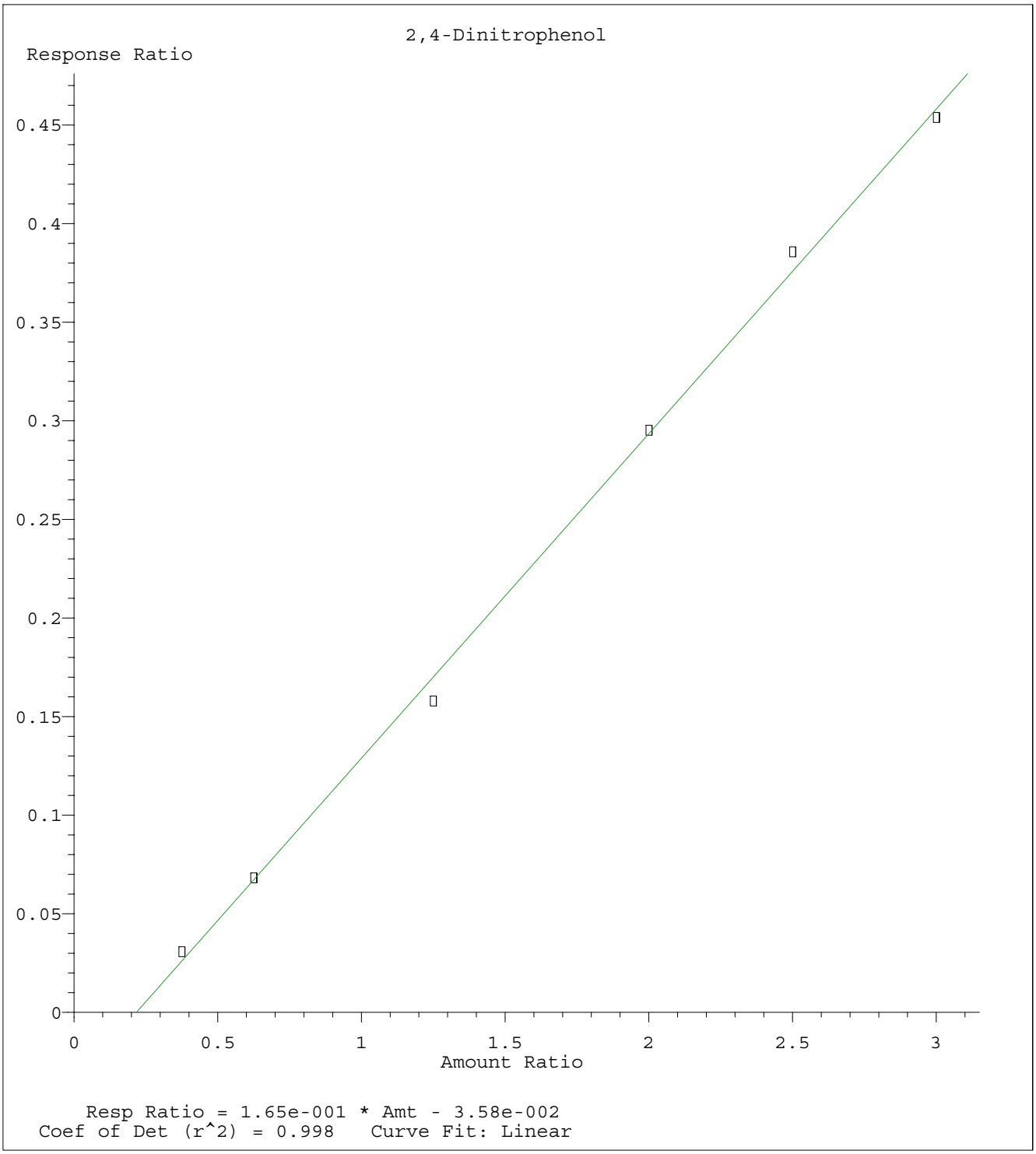




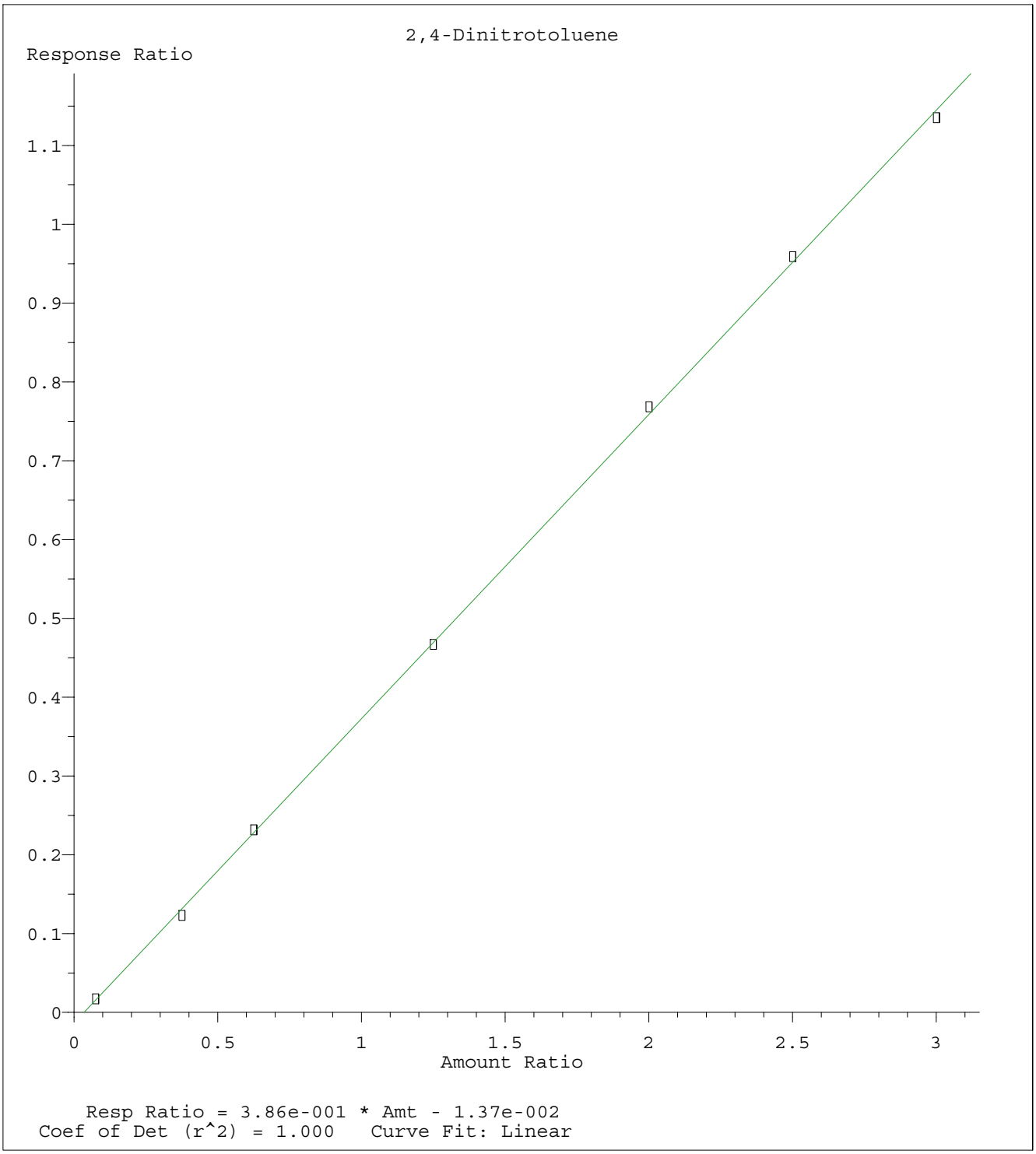
Method Name: C:\MSDCHEM\1\METHODS\BNA1013.M
Calibration Table Last Updated: Fri Oct 14 08:20:21 2005



Method Name: C:\MSDCHEM\1\METHODS\BNA1013.M
Calibration Table Last Updated: Fri Oct 14 08:20:21 2005



Method Name: C:\MSDCHEM\1\METHODS\BNA1013.M
Calibration Table Last Updated: Fri Oct 14 08:20:21 2005



Method Name: C:\MSDCHEM\1\METHODS\BNA1013.M
Calibration Table Last Updated: Fri Oct 14 08:20:21 2005

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101305\4M30398.D Vial: 9
Acq On : 13 Oct 2005 13:14 Operator: CLK
Sample : WG198264-09 50PPM Alt Source BNA STD Inst : HPMS4
Misc : 1,1 SOS76-6 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 08:21:10 2005 Quant Results File: BNA1013.RES

Quant Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Fri Oct 14 08:20:21 2005
Response via : Initial Calibration
DataAcq Meth : BNA

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.14	152	289243	40.00 ug/ml	0.00
19) Naphthalene-d8	11.77	136	1157250	40.00 ug/ml	0.00
35) Acenaphthene-d10	13.88	164	645054	40.00 ug/ml	0.00
57) Phenanthrene-d10	15.51	188	1067973	40.00 ug/ml	0.00
68) Chrysene-d12	18.35	240	1004375	40.00 ug/ml	0.00
77) Perylene-d12	20.78	264	730623	40.00 ug/ml	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	8.39	112	443163	50.3112 ug/ml	0.00
Spiked Amount 100.000	Range 21 - 100		Recovery = 50.31%		
6) Phenol-d5	9.60	99	530648	53.0268 ug/ml	0.00
Spiked Amount 100.000	Range 10 - 94		Recovery = 53.03%		
20) Nitrobenzene-d5	10.84	82	488595	51.8691 ug/ml	0.00
Spiked Amount 50.000	Range 35 - 114		Recovery = 103.74%		
39) 2-Fluorobiphenyl	13.06	172	1017802	51.4819 ug/ml	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 102.96%		
56) 2,4,6-Tribromophenol	14.74	330	116790	48.5869 ug/ml	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 48.59%		
71) p-Terphenyl-d14	17.13	244	1091713	50.7210 ug/ml	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 101.44%		

Target Compounds					Qvalue
2) Pyridine	6.07	79	468427	50.1715 ug/ml	97
3) n-Nitrosodimethylamine	6.00	74	252198	47.3194 ug/ml#	96
5) Aniline	9.70	93	601872	52.9129 ug/ml	99
7) Phenol	9.62	94	566600	51.7961 ug/ml	100
8) bis(2-Chloroethyl)ether	9.77	63	316525	51.2388 ug/ml	99
9) 2-Chlorophenol	9.86	128	475566	51.3364 ug/ml	99
10) 1,3-Dichlorobenzene	10.07	146	524418	52.4660 ug/ml	99
11) 1,4-Dichlorobenzene	10.16	146	525867	50.7592 ug/ml	99
12) Benzyl Alcohol	10.28	108	300901	50.3884 ug/ml	99
13) 1,2-Dichlorobenzene	10.36	146	505246	53.3550 ug/ml	99
14) 2-Methylphenol	10.39	107	372600	51.6120 ug/ml	100
15) bis(2-Chloroisopropyl)ethe	10.45	45	630404	51.5007 ug/ml	100
16) 3-,4-Methylphenol	10.57	107	530259	51.2762 ug/ml	100
17) n-Nitrosodipropylamine	10.61	70	334040	54.5481 ug/ml	99
18) Hexachloroethane	10.80	117	178813	50.9800 ug/ml	99
21) Nitrobenzene	10.86	77	491127	51.7342 ug/ml	100
22) Isophorone	11.15	82	891635	59.1449 ug/ml	99
23) 2-Nitrophenol	11.26	139	252901	55.9390 ug/ml	97
24) 2,4-Dimethylphenol	11.26	122	439673	52.5130 ug/ml	98
25) bis(2-Chloroethoxy)methane	11.39	93	538346	51.0420 ug/ml	99
26) Benzoic Acid	11.32	105	300068	48.8674 ug/ml	96
27) 2,4-Dichlorophenol	11.55	162	385005	51.0653 ug/ml	99
28) 1,2,4-Trichlorobenzene	11.67	180	425982	50.1911 ug/ml	99
29) Naphthalene	11.79	128	1398234	50.7732 ug/ml	98
30) 4-Chloroaniline	11.82	127	520833	50.9104 ug/ml	99
31) Hexachlorobutadiene	11.92	225	261628	56.2105 ug/ml	100
32) 4-Chloro-3-Methylphenol	12.38	107	394176	51.5362 ug/ml	99
33) 2-Methylnaphthalene	12.65	142	909591	50.6649 ug/ml	99
34) 1-Methylnaphthalene	12.77	142	832139	50.5930 ug/ml	100
36) Hexachlorocyclopentadiene	12.82	237	196898	58.4564 ug/ml	99
37) 2,4,6-Trichlorophenol	12.96	196	287506	52.0674 ug/ml	100
38) 2,4,5-Trichlorophenol	13.00	196	309461	52.4296 ug/ml	100
40) 2-Chloronaphthalene	13.23	162	897257	51.4262 ug/ml	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101305\4M30398.D Vial: 9
Acq On : 13 Oct 2005 13:14 Operator: CLK
Sample : WG198264-09 50PPM Alt Source BNA STD Inst : HPMS4
Misc : 1,1 SOS76-6 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 08:21:10 2005 Quant Results File: BNA1013.RES

Quant Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Fri Oct 14 08:20:21 2005
Response via : Initial Calibration
DataAcq Meth : BNA

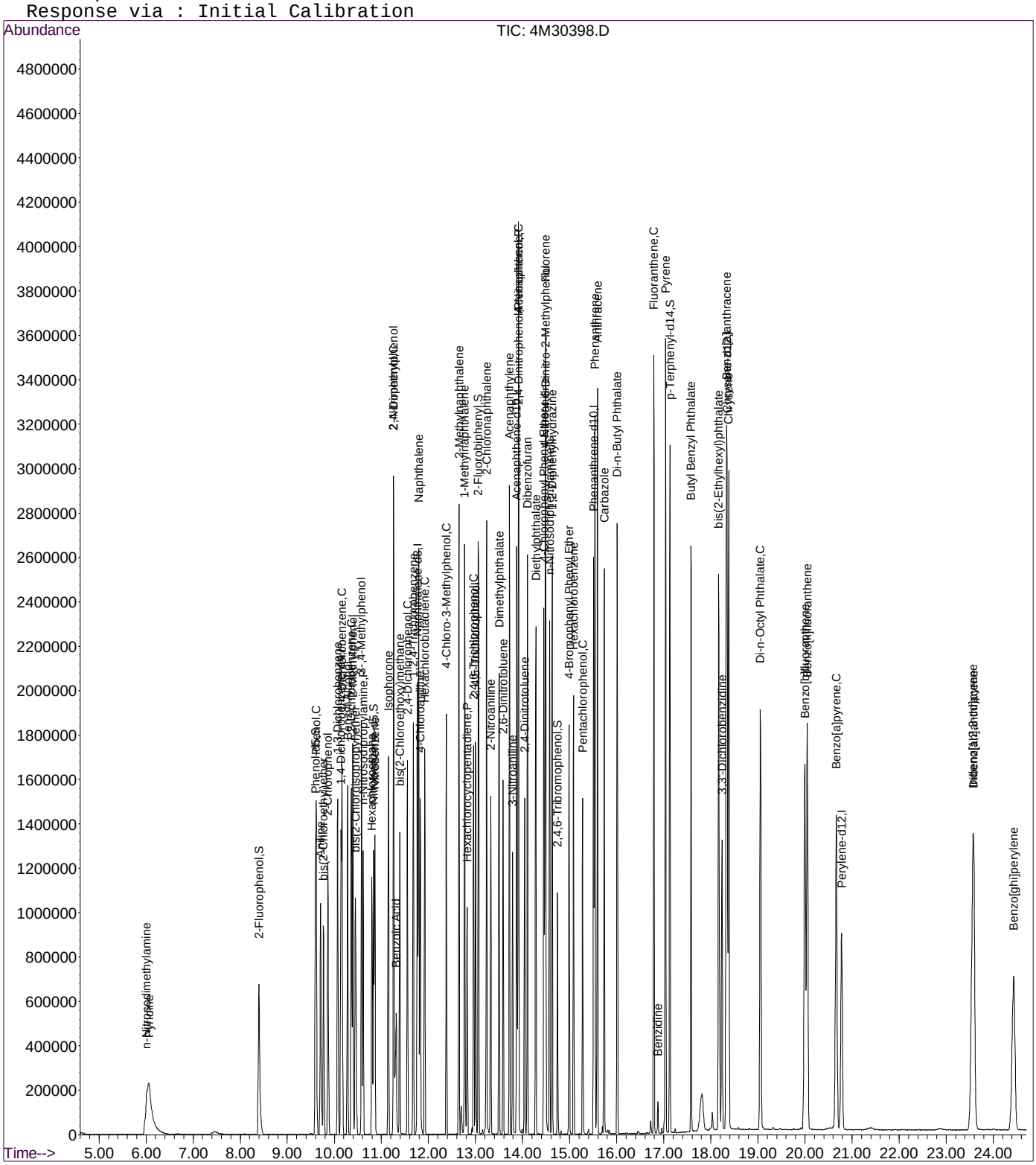
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
41) 2-Nitroaniline	13.33	65	274842	53.3124	ug/ml	98
42) Dimethylphthalate	13.50	163	1019334	51.2080	ug/ml	100
43) Acenaphthylene	13.72	152	1421742	56.1862	ug/ml	100
44) 2,6-Dinitrotoluene	13.59	165	241860	50.6105	ug/ml	98
45) 3-Nitroaniline	13.79	138	223730	50.8835	ug/ml	98
46) Acenaphthene	13.91	154	848831	52.5338	ug/ml	100
47) 2,4-Dinitrophenol	13.90	184	101061	46.7327	ug/ml	99
48) 4-Nitrophenol	13.92	65	154421	51.3623	ug/ml	99
49) Dibenzofuran	14.11	168	1281073	51.2179	ug/ml	99
50) 2,4-Dinitrotoluene	14.04	165	308591	50.9379	ug/ml	99
51) Diethylphthalate	14.28	149	975929	52.5287	ug/ml	100
52) Fluorene	14.48	166	1021032	52.7543	ug/ml	99
53) 4-Chlorophenyl Phenyl Ethe	14.45	204	498480	50.1542	ug/ml	99
54) 4-Nitroaniline	14.47	138	200193	56.5868	ug/ml	98
55) 1,2-Diphenylhydrazine	14.63	77	1065202	54.4916	ug/ml	99
58) 4,6-Dinitro-2-Methylphenol	14.50	198	166544	50.9864	ug/ml	98
59) n-Nitrosodiphenylamine	14.58	169	716423	53.0511	ug/ml	99
60) 4-Bromophenyl Phenyl Ether	14.99	248	256746	45.2357	ug/ml	98
61) Hexachlorobenzene	15.08	284	286776	52.2829	ug/ml	98
62) Pentachlorophenol	15.28	266	185363	49.4515	ug/ml	100
63) Phenanthrene	15.54	178	1453045	50.1024	ug/ml	100
64) Anthracene	15.59	178	1462619	51.4589	ug/ml	100
65) Carbazole	15.73	167	1195828	54.0124	ug/ml	100
66) Di-n-Butyl Phthalate	16.01	149	1677747	52.1027	ug/ml	100
67) Fluoranthene	16.79	202	1597150	52.1033	ug/ml	100
69) Benzidine	16.87	184	60169	31.0641	ug/ml	100
70) Pyrene	17.04	202	1643191	50.5656	ug/ml	100
72) Butyl Benzyl Phthalate	17.58	149	758305	52.6592	ug/ml	99
73) Benzo[a]anthracene	18.33	228	1487689	50.6441	ug/ml	100
74) 3,3'-Dichlorobenzidine	18.23	252	386277	46.5144	ug/ml	100
75) Chrysene	18.38	228	1451363	51.9325	ug/ml	100
76) bis(2-Ethylhexyl)phthalate	18.17	149	993583	50.5415	ug/ml	99
78) Di-n-Octyl Phthalate	19.05	149	1685195	51.5058	ug/ml	99
79) Benzo[b]fluoranthene	20.00	252	1427685	50.3854	ug/ml	98
80) Benzo[k]fluoranthene	20.05	252	1442691	53.8696	ug/ml	97
81) Benzo[a]pyrene	20.67	252	1278092	50.4513	ug/ml	100
82) Indeno[1,2,3-cd]pyrene	23.57	276	1344291	50.4293	ug/ml	99
83) Dibenz[ah]anthracene	23.59	278	1130150	51.9048	ug/ml	99
84) Benzo[ghi]perylene	24.44	276	1125869	51.4700	ug/ml	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101305\4M30398.D Vial: 9
Acq On : 13 Oct 2005 13:14 Operator: CLK
Sample : WG198264-09 50PPM Alt Source BNA STD Inst : HPMS4
Misc : 1,1 SOS76-6 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 8:21 2005 Quant Results File: BNA1013.RES

Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Fri Oct 14 08:20:21 2005
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\101305\4M30398.D Vial: 9
Acq On : 13 Oct 2005 13:14 Operator: CLK
Sample : WG198264-09 50PPM Alt Source BNA STD Inst : HPMS4
Misc : 1,1 SOS76-6 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Fri Oct 14 08:20:21 2005
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 1% Max. R.T. Dev 0.50min
Max. RRF Dev : 40% Max. Rel. Area : 500%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	121	0.00
2		Pyridine	1.291	1.296	-0.4	118	0.01
3		n-Nitrosodimethylamine	0.670	0.698	-4.2	117	0.00
4	S	2-Fluorophenol	1.218	1.226	-0.7	117	0.00
5		Aniline	1.573	1.665	-5.8	120	0.00
6	S	Phenol-d5	1.384	1.468	-6.1	122	0.00
7	C	Phenol	1.513	1.567	-3.6	119	0.00
8		bis(2-Chloroethyl)ether	0.854	0.875	-2.5	118	0.00
9		2-Chlorophenol	1.281	1.315	-2.7	119	0.00
10		1,3-Dichlorobenzene	1.382	1.450	-4.9	123	0.00
11	C	1,4-Dichlorobenzene	1.433	1.454	-1.5	119	0.00
12		Benzyl Alcohol	0.826	0.832	-0.7	116	0.00
13	C	1,2-Dichlorobenzene	1.310	1.397	-6.6	125	0.00
14		2-Methylphenol	0.998	1.031	-3.3	120	0.00
15		bis(2-Chloroisopropyl)ether	1.693	1.744	-3.0	118	0.00
16		3-,4-Methylphenol	1.430	1.467	-2.6	119	0.00
17	P	n-Nitrosodipropylamine	0.847	0.924	-9.1	126	0.00
18		Hexachloroethane	0.485	0.495	-2.1	119	0.00
19	I	Naphthalene-d8	1.000	1.000	0.0	120	0.00
20	S	Nitrobenzene-d5	0.326	0.338	-3.7	119	0.00
21		Nitrobenzene	0.328	0.340	-3.7	118	0.00
22		Isophorone	0.521	0.616	-18.2	135	0.00
23	C	2-Nitrophenol	0.156	0.175	-12.2	122	0.00
24		2,4-Dimethylphenol	0.289	0.304	-5.2	120	0.00
25		bis(2-Chloroethoxy)methane	0.365	0.372	-1.9	118	0.00
26		Benzoic Acid	0.212	0.207	2.4	115	0.00
27	C	2,4-Dichlorophenol	0.261	0.266	-1.9	118	0.00
28		1,2,4-Trichlorobenzene	0.293	0.294	-0.3	118	0.00
29		Naphthalene	0.952	0.967	-1.6	117	0.00
30		4-Chloroaniline	0.354	0.360	-1.7	118	0.00
31	C	Hexachlorobutadiene	0.161	0.181	-12.4	133	0.00
32	C	4-Chloro-3-Methylphenol	0.264	0.272	-3.0	116	0.00
33		2-Methylnaphthalene	0.621	0.629	-1.3	116	0.00
34		1-Methylnaphthalene	0.569	0.575	-1.1	117	0.00
35	I	Acenaphthene-d10	1.000	1.000	0.0	119	0.00
36	P	Hexachlorocyclopentadiene	0.186	0.244	-31.2	144	0.00
37	C	2,4,6-Trichlorophenol	0.342	0.357	-4.4	119	0.00
38		2,4,5-Trichlorophenol	0.366	0.384	-4.9	118	0.00
39	S	2-Fluorobiphenyl	1.226	1.262	-2.9	117	0.00
40		2-Chloronaphthalene	1.082	1.113	-2.9	118	0.00
41		2-Nitroaniline	0.320	0.341	-6.6	122	0.00
42		Dimethylphthalate	1.234	1.264	-2.4	117	0.00
43		Acenaphthylene	1.569	1.763	-12.4	126	0.00
44		2,6-Dinitrotoluene	0.277	0.300	-8.3	121	0.00
45		3-Nitroaniline	0.273	0.277	-1.5	121	0.00
46	C	Acenaphthene	1.002	1.053	-5.1	118	0.00
47	P	2,4-Dinitrophenol	0.128	0.125	2.3	118	0.00
48	P	4-Nitrophenol	0.186	0.192	-3.2	118	0.00
49		Dibenzofuran	1.551	1.589	-2.5	117	0.00
50		2,4-Dinitrotoluene	0.349	0.383	-9.7	122	0.00
51		Diethylphthalate	1.152	1.210	-5.0	118	0.00
52		Fluorene	1.200	1.266	-5.5	118	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\101305\4M30398.D Vial: 9
Acq On : 13 Oct 2005 13:14 Operator: CLK
Sample : WG198264-09 50PPM Alt Source BNA STD Inst : HPMS4
Misc : 1,1 SOS76-6 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Fri Oct 14 08:20:21 2005
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 1% Max. R.T. Dev 0.50min
Max. RRF Dev : 40% Max. Rel. Area : 500%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
53		4-Chlorophenyl Phenyl Ether	0.616	0.618	-0.3	115	0.00
54		4-Nitroaniline	0.219	0.248	-13.2	121	0.00
55		1,2-Diphenylhydrazine	1.212	1.321	-9.0	121	0.00
56	S	2,4,6-Tribromophenol	0.137	0.145	-5.8	122	0.00
57	I	Phenanthrene-d10	1.000	1.000	0.0	119	0.00
58		4,6-Dinitro-2-Methylphenol	0.122	0.125	-2.5	123	0.00
59	C	n-Nitrosodiphenylamine	0.506	0.537	-6.1	121	0.00
60		4-Bromophenyl Phenyl Ether	0.213	0.192	9.9	105	0.00
61		Hexachlorobenzene	0.205	0.215	-4.9	121	0.00
62	C	Pentachlorophenol	0.140	0.139	0.7	118	0.00
63		Phenanthrene	1.086	1.088	-0.2	114	0.00
64		Anthracene	1.065	1.096	-2.9	116	0.00
65		Carbazole	0.829	0.896	-8.1	121	0.00
66		Di-n-Butyl Phthalate	1.206	1.257	-4.2	116	0.00
67	C	Fluoranthene	1.148	1.196	-4.2	117	0.00
68	I	Chrysene-d12	1.000	1.000	0.0	120	0.00
69		Benzidine	0.077	0.048#	37.7	74	0.00
70		Pyrene	1.294	1.309	-1.2	117	0.00
71	S	p-Terphenyl-d14	0.857	0.870	-1.5	116	0.00
72		Butyl Benzyl Phthalate	0.574	0.604	-5.2	119	0.00
73		Benzo[a]anthracene	1.170	1.185	-1.3	117	0.00
74		3,3'-Dichlorobenzidine	0.331	0.308	6.9	122	0.00
75		Chrysene	1.113	1.156	-3.9	119	0.00
76		bis(2-Ethylhexyl)phthalate	0.783	0.791	-1.0	114	0.00
77	I	Perylene-d12	1.000	1.000	0.0	119	0.00
78	C	Di-n-Octyl Phthalate	1.791	1.845	-3.0	113	0.00
79		Benzo[b]fluoranthene	1.551	1.563	-0.8	112	0.00
80		Benzo[k]fluoranthene	1.466	1.580	-7.8	126	0.00
81	C	Benzo[a]pyrene	1.387	1.399	-0.9	114	0.00
82		Indeno[1,2,3-cd]pyrene	1.459	1.472	-0.9	115	0.00
83		Dibenz[ah]anthracene	1.192	1.237	-3.8	119	0.00
84		Benzo[ghi]perylene	1.198	1.233	-2.9	117	0.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4M30398.D BNA1013.M Fri Oct 14 08:21:38 2005 Page 2

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\101305\4M30398.D Vial: 9
Acq On : 13 Oct 2005 13:14 Operator: CLK
Sample : WG198264-09 50PPM Alt Source BNA STD Inst : HPMS4
Misc : 1,1 SOS76-6 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Fri Oct 14 08:20:21 2005
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 1% Max. R.T. Dev 0.50min
Max. RRF Dev : 40% Max. Rel. Area : 500%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	121	0.00
2		Pyridine	50.000	50.172	-0.3	118	0.01
3		n-Nitrosodimethylamine	50.000	47.319	5.4	117	0.00
4	S	2-Fluorophenol	50.000	50.311	-0.6	117	0.00
5		Aniline	50.000	52.913	-5.8	120	0.00
6	S	Phenol-d5	50.000	53.027	-6.1	122	0.00
7	C	Phenol	50.000	51.796	-3.6	119	0.00
8		bis(2-Chloroethyl)ether	50.000	51.239	-2.5	118	0.00
9		2-Chlorophenol	50.000	51.336	-2.7	119	0.00
10		1,3-Dichlorobenzene	50.000	52.466	-4.9	123	0.00
11	C	1,4-Dichlorobenzene	50.000	50.759	-1.5	119	0.00
12		Benzyl Alcohol	50.000	50.388	-0.8	116	0.00
13	C	1,2-Dichlorobenzene	50.000	53.355	-6.7	125	0.00
14		2-Methylphenol	50.000	51.612	-3.2	120	0.00
15		bis(2-Chloroisopropyl)ether	50.000	51.501	-3.0	118	0.00
16		3-,4-Methylphenol	50.000	51.276	-2.6	119	0.00
17	P	n-Nitrosodipropylamine	50.000	54.548	-9.1	126	0.00
18		Hexachloroethane	50.000	50.980	-2.0	119	0.00
19	I	Naphthalene-d8	40.000	40.000	0.0	120	0.00
20	S	Nitrobenzene-d5	50.000	51.869	-3.7	119	0.00
21		Nitrobenzene	50.000	51.734	-3.5	118	0.00
22		Isophorone	50.000	59.145	-18.3	135	0.00
23	C	2-Nitrophenol	50.000	55.939	-11.9	122	0.00
24		2,4-Dimethylphenol	50.000	52.513	-5.0	120	0.00
25		bis(2-Chloroethoxy)methane	50.000	51.042	-2.1	118	0.00
26		Benzoic Acid	50.000	48.867	2.3	115	0.00
27	C	2,4-Dichlorophenol	50.000	51.065	-2.1	118	0.00
28		1,2,4-Trichlorobenzene	50.000	50.191	-0.4	118	0.00
29		Naphthalene	50.000	50.773	-1.5	117	0.00
30		4-Chloroaniline	50.000	50.910	-1.8	118	0.00
31	C	Hexachlorobutadiene	50.000	56.211	-12.4	133	0.00
32	C	4-Chloro-3-Methylphenol	50.000	51.536	-3.1	116	0.00
33		2-Methylnaphthalene	50.000	50.665	-1.3	116	0.00
34		1-Methylnaphthalene	50.000	50.593	-1.2	117	0.00
35	I	Acenaphthene-d10	40.000	40.000	0.0	119	0.00
36	P	Hexachlorocyclopentadiene	50.000	58.456	-16.9	144	0.00
37	C	2,4,6-Trichlorophenol	50.000	52.067	-4.1	119	0.00
38		2,4,5-Trichlorophenol	50.000	52.430	-4.9	118	0.00
39	S	2-Fluorobiphenyl	50.000	51.482	-3.0	117	0.00
40		2-Chloronaphthalene	50.000	51.426	-2.9	118	0.00
41		2-Nitroaniline	50.000	53.312	-6.6	122	0.00
42		Dimethylphthalate	50.000	51.208	-2.4	117	0.00
43		Acenaphthylene	50.000	56.186	-12.4	126	0.00
44		2,6-Dinitrotoluene	50.000	50.611	-1.2	121	0.00
45		3-Nitroaniline	50.000	50.883	-1.8	121	0.00
46	C	Acenaphthene	50.000	52.534	-5.1	118	0.00
47	P	2,4-Dinitrophenol	50.000	46.733	6.5	118	0.00
48	P	4-Nitrophenol	50.000	51.362	-2.7	118	0.00
49		Dibenzofuran	50.000	51.218	-2.4	117	0.00
50		2,4-Dinitrotoluene	50.000	50.938	-1.9	122	0.00
51		Diethylphthalate	50.000	52.529	-5.1	118	0.00
52		Fluorene	50.000	52.754	-5.5	118	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\101305\4M30398.D Vial: 9
Acq On : 13 Oct 2005 13:14 Operator: CLK
Sample : WG198264-09 50PPM Alt Source BNA STD Inst : HPMS4
Misc : 1,1 SOS76-6 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Fri Oct 14 08:20:21 2005
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 1% Max. R.T. Dev 0.50min
Max. RRF Dev : 40% Max. Rel. Area : 500%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
53		4-Chlorophenyl Phenyl Ether	50.000	50.154	-0.3	115	0.00
54		4-Nitroaniline	50.000	56.587	-13.2	121	0.00
55		1,2-Diphenylhydrazine	50.000	54.492	-9.0	121	0.00
56	S	2,4,6-Tribromophenol	50.000	48.587	2.8	122	0.00
57	I	Phenanthrene-d10	40.000	40.000	0.0	119	0.00
58		4,6-Dinitro-2-Methylphenol	50.000	50.986	-2.0	123	0.00
59	C	n-Nitrosodiphenylamine	50.000	53.051	-6.1	121	0.00
60		4-Bromophenyl Phenyl Ether	50.000	45.236	9.5	105	0.00
61		Hexachlorobenzene	50.000	52.283	-4.6	121	0.00
62	C	Pentachlorophenol	50.000	49.452	1.1	118	0.00
63		Phenanthrene	50.000	50.102	-0.2	114	0.00
64		Anthracene	50.000	51.459	-2.9	116	0.00
65		Carbazole	50.000	54.012	-8.0	121	0.00
66		Di-n-Butyl Phthalate	50.000	52.103	-4.2	116	0.00
67	C	Fluoranthene	50.000	52.103	-4.2	117	0.00
68	I	Chrysene-d12	40.000	40.000	0.0	120	0.00
69		Benzidine	50.000	31.064	37.9	74	0.00
70		Pyrene	50.000	50.566	-1.1	117	0.00
71	S	p-Terphenyl-d14	50.000	50.721	-1.4	116	0.00
72		Butyl Benzyl Phthalate	50.000	52.659	-5.3	119	0.00
73		Benzo[a]anthracene	50.000	50.644	-1.3	117	0.00
74		3,3'-Dichlorobenzidine	50.000	46.514	7.0	122	0.00
75		Chrysene	50.000	51.933	-3.9	119	0.00
76		bis(2-Ethylhexyl)phthalate	50.000	50.542	-1.1	114	0.00
77	I	Perylene-d12	40.000	40.000	0.0	119	0.00
78	C	Di-n-Octyl Phthalate	50.000	51.506	-3.0	113	0.00
79		Benzo[b]fluoranthene	50.000	50.385	-0.8	112	0.00
80		Benzo[k]fluoranthene	50.000	53.870	-7.7	126	0.00
81	C	Benzo[a]pyrene	50.000	50.451	-0.9	114	0.00
82		Indeno[1,2,3-cd]pyrene	50.000	50.429	-0.9	115	0.00
83		Dibenz[ah]anthracene	50.000	51.905	-3.8	119	0.00
84		Benzo[ghi]perylene	50.000	51.470	-2.9	117	0.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4M30398.D BNA1013.M Fri Oct 14 08:21:29 2005 Page 2

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101405\4M30410.D Vial: 2
Acq On : 14 Oct 2005 11:48 Operator: CLK
Sample : WG198660-02 50PPM BNA STD Inst : HPMS4
Misc : 1,1 SOS74-33-4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 09:05:58 2005 Quant Results File: BNA1013.RES

Quant Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Fri Oct 14 08:20:21 2005
Response via : Initial Calibration
DataAcq Meth : BNA

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.14	152	257200	40.00 ug/ml	0.00
19) Naphthalene-d8	11.76	136	1052651	40.00 ug/ml	0.00
35) Acenaphthene-d10	13.87	164	593473	40.00 ug/ml	0.00
57) Phenanthrene-d10	15.51	188	990546	40.00 ug/ml	0.00
68) Chrysene-d12	18.34	240	939639	40.00 ug/ml	0.00
77) Perylene-d12	20.77	264	726877	40.00 ug/ml	0.00

System Monitoring Compounds

4) 2-Fluorophenol	8.39	112	416709	53.2017 ug/ml	0.00
Spiked Amount 100.000	Range 21 - 100		Recovery = 53.20%		
6) Phenol-d5	9.60	99	484532	54.4507 ug/ml	0.00
Spiked Amount 100.000	Range 10 - 94		Recovery = 54.45%		
20) Nitrobenzene-d5	10.83	82	458260	53.4829 ug/ml	0.00
Spiked Amount 50.000	Range 35 - 114		Recovery = 106.96%		
39) 2-Fluorobiphenyl	13.06	172	941424	51.7573 ug/ml	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 103.52%		
56) 2,4,6-Tribromophenol	14.74	330	111295	50.2236 ug/ml	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 50.22%		
71) p-Terphenyl-d14	17.12	244	1022095	50.7581 ug/ml	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 101.52%		

Target Compounds

					Qvalue
2) Pyridine	6.05	79	448553	54.0283 ug/ml	96
3) n-Nitrosodimethylamine	6.01	74	241751	50.8084 ug/ml#	99
5) Aniline	9.70	93	559623	55.3280 ug/ml	100
7) Phenol	9.61	94	532924	54.7871 ug/ml	100
8) bis(2-Chloroethyl)ether	9.77	63	301243	54.8403 ug/ml	99
9) 2-Chlorophenol	9.86	128	435900	52.9168 ug/ml	99
10) 1,3-Dichlorobenzene	10.07	146	461800	51.9572 ug/ml	100
11) 1,4-Dichlorobenzene	10.16	146	477593	51.8429 ug/ml	99
12) Benzyl Alcohol	10.28	108	288049	54.2457 ug/ml	99
13) 1,2-Dichlorobenzene	10.36	146	436732	51.8655 ug/ml	100
14) 2-Methylphenol	10.39	107	344669	53.6910 ug/ml	99
15) bis(2-Chloroisopropyl)ethe	10.45	45	609112	55.9607 ug/ml	99
16) 3-,4-Methylphenol	10.57	107	501823	54.5720 ug/ml	99
17) n-Nitrosodipropylamine	10.61	70	301358	55.3421 ug/ml	99
18) Hexachloroethane	10.79	117	169473	54.3366 ug/ml	97
21) Nitrobenzene	10.86	77	466999	54.0807 ug/ml	99
22) Isophorone	11.15	82	740883	54.0284 ug/ml	99
23) 2-Nitrophenol	11.26	139	228886	55.6578 ug/ml	99
24) 2,4-Dimethylphenol	11.25	122	403965	53.0424 ug/ml	100
25) bis(2-Chloroethoxy)methane	11.39	93	510270	53.1874 ug/ml	99
26) Benzoic Acid	11.32	105	321954	57.6417 ug/ml	99
27) 2,4-Dichlorophenol	11.55	162	358049	52.2089 ug/ml	100
28) 1,2,4-Trichlorobenzene	11.67	180	389974	50.5142 ug/ml	99
29) Naphthalene	11.79	128	1308808	52.2484 ug/ml	99
30) 4-Chloroaniline	11.82	127	493875	53.0723 ug/ml	98
31) Hexachlorobutadiene	11.92	225	214812	50.7382 ug/ml	99
32) 4-Chloro-3-Methylphenol	12.37	107	379857	54.5990 ug/ml	99
33) 2-Methylnaphthalene	12.64	142	857073	52.4834 ug/ml	99
34) 1-Methylnaphthalene	12.76	142	778773	52.0533 ug/ml	100
36) Hexachlorocyclopentadiene	12.82	237	168735	54.6742 ug/ml	100
37) 2,4,6-Trichlorophenol	12.96	196	266498	52.4576 ug/ml	99
38) 2,4,5-Trichlorophenol	13.00	196	287190	52.8853 ug/ml	100
40) 2-Chloronaphthalene	13.23	162	836173	52.0905 ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101405\4M30410.D Vial: 2
Acq On : 14 Oct 2005 11:48 Operator: CLK
Sample : WG198660-02 50PPM BNA STD Inst : HPMS4
Misc : 1,1 SOS74-33-4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 09:05:58 2005 Quant Results File: BNA1013.RES

Quant Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Fri Oct 14 08:20:21 2005
Response via : Initial Calibration
DataAcq Meth : BNA

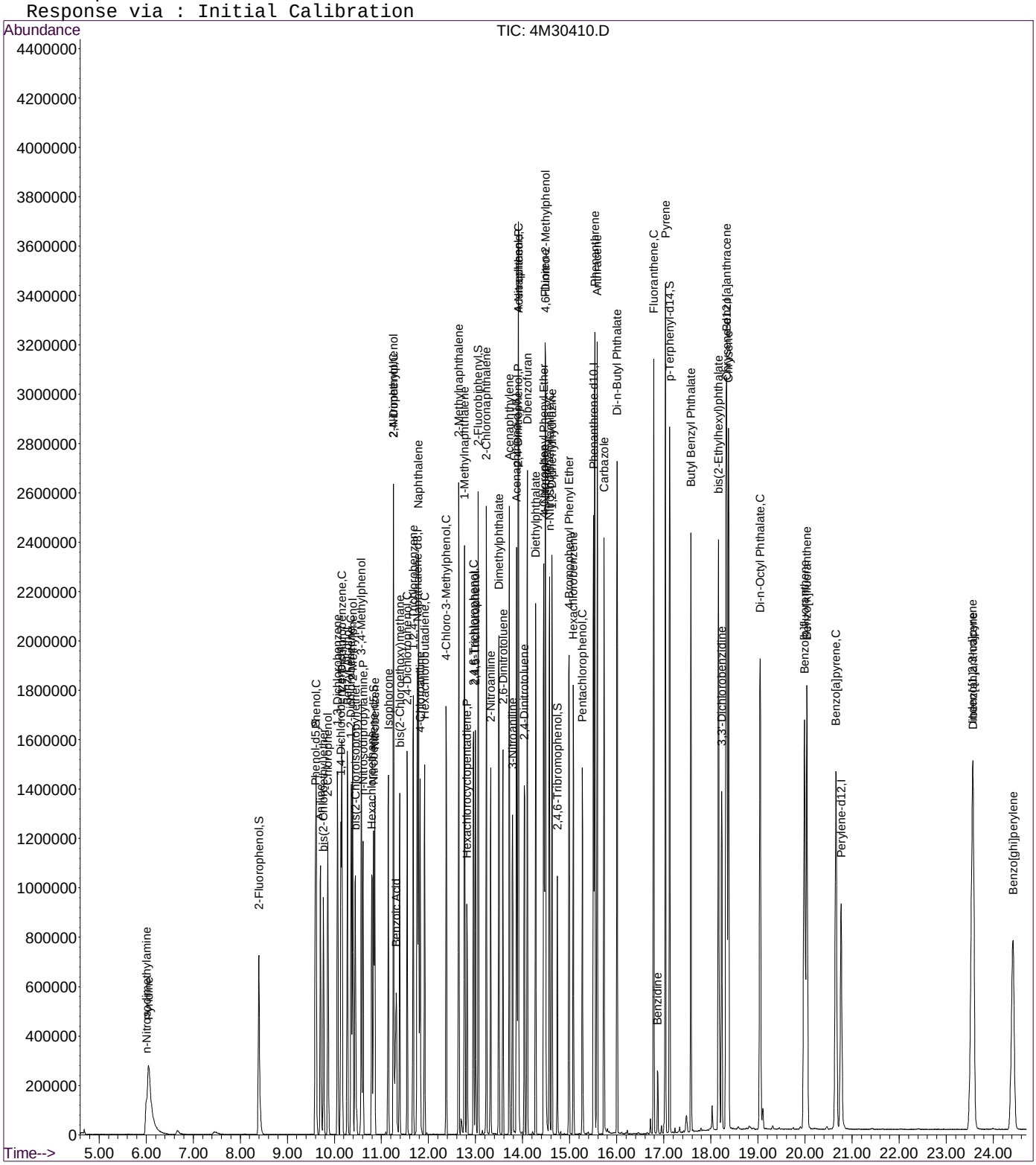
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
41)	2-Nitroaniline	13.32	65	259437	54.6981	ug/ml	99
42)	Dimethylphthalate	13.50	163	959025	52.3656	ug/ml	99
43)	Acenaphthylene	13.72	152	1240622	53.2897	ug/ml	100
44)	2,6-Dinitrotoluene	13.58	165	223625	50.8566	ug/ml	98
45)	3-Nitroaniline	13.78	138	220733	54.5651	ug/ml	99
46)	Acenaphthene	13.91	154	791814	53.2643	ug/ml	99
47)	2,4-Dinitrophenol	13.90	184	107666	52.7400	ug/ml	78
48)	4-Nitrophenol	13.91	65	165992	60.0096	ug/ml	95
49)	Dibenzofuran	14.10	168	1205896	52.4026	ug/ml	100
50)	2,4-Dinitrotoluene	14.04	165	284399	51.0224	ug/ml	98
51)	Diethylphthalate	14.28	149	904661	52.9248	ug/ml	100
52)	Fluorene	14.48	166	942309	52.9185	ug/ml	100
53)	4-Chlorophenyl Phenyl Ethe	14.45	204	476380	52.0965	ug/ml	99
54)	4-Nitroaniline	14.47	138	190310	58.4687	ug/ml	97
55)	1,2-Diphenylhydrazine	14.62	77	988917	54.9861	ug/ml	99
58)	4,6-Dinitro-2-Methylphenol	14.49	198	164100	54.1651	ug/ml	98
59)	n-Nitrosodiphenylamine	14.57	169	652577	52.1005	ug/ml	99
60)	4-Bromophenyl Phenyl Ether	14.99	248	267618	50.8369	ug/ml	99
61)	Hexachlorobenzene	15.08	284	257676	50.6497	ug/ml	99
62)	Pentachlorophenol	15.27	266	180300	51.8607	ug/ml	99
63)	Phenanthrene	15.53	178	1399983	52.0460	ug/ml	100
64)	Anthracene	15.59	178	1374885	52.1532	ug/ml	100
65)	Carbazole	15.73	167	1123084	54.6919	ug/ml	98
66)	Di-n-Butyl Phthalate	16.01	149	1588841	53.1985	ug/ml	100
67)	Fluoranthene	16.79	202	1503262	52.8738	ug/ml	99
69)	Benzidine	16.87	184	109571	60.4666	ug/ml	100
70)	Pyrene	17.03	202	1552120	51.0538	ug/ml	100
72)	Butyl Benzyl Phthalate	17.58	149	706049	52.4083	ug/ml	99
73)	Benzo[a]anthracene	18.33	228	1411752	51.3701	ug/ml	100
74)	3,3'-Dichlorobenzidine	18.23	252	380991	49.0386	ug/ml	100
75)	Chrysene	18.37	228	1369014	52.3608	ug/ml	100
76)	bis(2-Ethylhexyl)phthalate	18.16	149	968041	52.6348	ug/ml	99
78)	Di-n-Octyl Phthalate	19.05	149	1687147	51.8312	ug/ml	100
79)	Benzo[b]fluoranthene	19.99	252	1440311	51.0930	ug/ml	98
80)	Benzo[k]fluoranthene	20.04	252	1360859	51.0758	ug/ml	98
81)	Benzo[a]pyrene	20.66	252	1313276	52.1074	ug/ml	99
82)	Indeno[1,2,3-cd]pyrene	23.56	276	1457078	54.9420	ug/ml	100
83)	Dibenz[ah]anthracene	23.58	278	1206006	55.6741	ug/ml	99
84)	Benzo[ghi]perylene	24.42	276	1196938	55.0010	ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101405\4M30410.D Vial: 2
Acq On : 14 Oct 2005 11:48 Operator: CLK
Sample : WG198660-02 50PPM BNA STD Inst : HPMS4
Misc : 1,1 SOS74-33-4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 9:05 2005 Quant Results File: BNA1013.RES

Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Fri Oct 14 08:20:21 2005
Response via : Initial Calibration



Continuing Calibration Area and RT check

Instrument: HPMS4
Initial cal date: 13 Oct 2005 8:57
CCV date: 14 Oct 2005 11:48
CCV Filename: 4M30410.D

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Amount	RT	Amount	RT	Amount	RT
InitCal	239433	10.14	961146	11.76	543786	13.88
CCV	257200	10.14	1052651	11.76	593473	13.87

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Amount	RT	Amount	RT	Amount	RT
InitCal	894869	15.50	838054	18.34	614975	20.77
CCV	990546	15.51	939639	18.34	726877	20.77

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\101405\4M30410.D Vial: 2
Acq On : 14 Oct 2005 11:48 Operator: CLK
Sample : WG198660-02 50PPM BNA STD Inst : HPMS4
Misc : 1,1 SOS74-33-4 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Fri Oct 14 08:20:21 2005
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 1% Max. R.T. Dev 0.50min
Max. RRF Dev : 40% Max. Rel. Area : 500%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.00
2		Pyridine	1.291	1.395	-8.1	113	0.00
3		n-Nitrosodimethylamine	0.670	0.752	-12.2	112	0.00
4	S	2-Fluorophenol	1.218	1.296	-6.4	110	0.00
5		Aniline	1.573	1.741	-10.7	112	0.00
6	S	Phenol-d5	1.384	1.507	-8.9	111	0.00
7	C	Phenol	1.513	1.658	-9.6	112	0.00
8		bis(2-Chloroethyl)ether	0.854	0.937	-9.7	112	0.00
9		2-Chlorophenol	1.281	1.356	-5.9	109	0.00
10		1,3-Dichlorobenzene	1.382	1.436	-3.9	108	0.00
11	C	1,4-Dichlorobenzene	1.433	1.486	-3.7	108	0.00
12		Benzyl Alcohol	0.826	0.896	-8.5	111	0.00
13	C	1,2-Dichlorobenzene	1.310	1.358	-3.7	108	0.00
14		2-Methylphenol	0.998	1.072	-7.4	111	0.00
15		bis(2-Chloroisopropyl)ether	1.693	1.895	-11.9	114	0.00
16		3-,4-Methylphenol	1.430	1.561	-9.2	112	0.00
17	P	n-Nitrosodipropylamine	0.847	0.937	-10.6	114	0.00
18		Hexachloroethane	0.485	0.527	-8.7	113	0.00
19	I	Naphthalene-d8	1.000	1.000	0.0	110	0.00
20	S	Nitrobenzene-d5	0.326	0.348	-6.7	111	0.00
21		Nitrobenzene	0.328	0.355	-8.2	112	0.00
22		Isophorone	0.521	0.563	-8.1	112	0.00
23	C	2-Nitrophenol	0.156	0.174	-11.5	111	0.00
24		2,4-Dimethylphenol	0.289	0.307	-6.2	110	0.00
25		bis(2-Chloroethoxy)methane	0.365	0.388	-6.3	112	0.00
26		Benzoic Acid	0.212	0.245	-15.6	124	0.00
27	C	2,4-Dichlorophenol	0.261	0.272	-4.2	110	0.00
28		1,2,4-Trichlorobenzene	0.293	0.296	-1.0	108	0.00
29		Naphthalene	0.952	0.995	-4.5	109	0.00
30		4-Chloroaniline	0.354	0.375	-5.9	112	0.00
31	C	Hexachlorobutadiene	0.161	0.163	-1.2	109	0.00
32	C	4-Chloro-3-Methylphenol	0.264	0.289	-9.5	112	0.00
33		2-Methylnaphthalene	0.621	0.651	-4.8	109	0.00
34		1-Methylnaphthalene	0.569	0.592	-4.0	109	0.00
35	I	Acenaphthene-d10	1.000	1.000	0.0	109	0.00
36	P	Hexachlorocyclopentadiene	0.186	0.227	-22.0	124	0.00
37	C	2,4,6-Trichlorophenol	0.342	0.359	-5.0	110	0.00
38		2,4,5-Trichlorophenol	0.366	0.387	-5.7	110	0.00
39	S	2-Fluorobiphenyl	1.226	1.269	-3.5	109	0.00
40		2-Chloronaphthalene	1.082	1.127	-4.2	110	0.00
41		2-Nitroaniline	0.320	0.350	-9.4	115	0.00
42		Dimethylphthalate	1.234	1.293	-4.8	110	0.00
43		Acenaphthylene	1.569	1.672	-6.6	110	0.00
44		2,6-Dinitrotoluene	0.277	0.301	-8.7	112	0.00
45		3-Nitroaniline	0.273	0.298	-9.2	119	0.00
46	C	Acenaphthene	1.002	1.067	-6.5	110	0.00
47	P	2,4-Dinitrophenol	0.128	0.145	-13.3	125	0.00
48	P	4-Nitrophenol	0.186	0.224	-20.4	126	0.00
49		Dibenzofuran	1.551	1.626	-4.8	110	0.00
50		2,4-Dinitrotoluene	0.349	0.383	-9.7	112	0.00
51		Diethylphthalate	1.152	1.219	-5.8	110	0.00
52		Fluorene	1.200	1.270	-5.8	109	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\101405\4M30410.D Vial: 2
Acq On : 14 Oct 2005 11:48 Operator: CLK
Sample : WG198660-02 50PPM BNA STD Inst : HPMS4
Misc : 1,1 SOS74-33-4 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Fri Oct 14 08:20:21 2005
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 1% Max. R.T. Dev 0.50min
Max. RRF Dev : 40% Max. Rel. Area : 500%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
53		4-Chlorophenyl Phenyl Ether	0.616	0.642	-4.2	109	0.00
54		4-Nitroaniline	0.219	0.257	-17.4	115	0.00
55		1,2-Diphenylhydrazine	1.212	1.333	-10.0	113	0.00
56	S	2,4,6-Tribromophenol	0.137	0.150	-9.5	116	0.00
57	I	Phenanthrene-d10	1.000	1.000	0.0	111	0.00
58		4,6-Dinitro-2-Methylphenol	0.122	0.133	-9.0	122	0.00
59	C	n-Nitrosodiphenylamine	0.506	0.527	-4.2	111	0.00
60		4-Bromophenyl Phenyl Ether	0.213	0.216	-1.4	109	0.00
61		Hexachlorobenzene	0.205	0.208	-1.5	108	0.00
62	C	Pentachlorophenol	0.140	0.146	-4.3	115	0.00
63		Phenanthrene	1.086	1.131	-4.1	110	0.00
64		Anthracene	1.065	1.110	-4.2	109	0.00
65		Carbazole	0.829	0.907	-9.4	113	0.00
66		Di-n-Butyl Phthalate	1.206	1.283	-6.4	109	0.00
67	C	Fluoranthene	1.148	1.214	-5.7	110	0.00
68	I	Chrysene-d12	1.000	1.000	0.0	112	0.00
69		Benzidine	0.077	0.093	-20.8	134	0.00
70		Pyrene	1.294	1.321	-2.1	110	0.00
71	S	p-Terphenyl-d14	0.857	0.870	-1.5	109	0.00
72		Butyl Benzyl Phthalate	0.574	0.601	-4.7	111	0.00
73		Benzo[a]anthracene	1.170	1.202	-2.7	111	0.00
74		3,3'-Dichlorobenzidine	0.331	0.324	2.1	121	0.00
75		Chrysene	1.113	1.166	-4.8	112	0.00
76		bis(2-Ethylhexyl)phthalate	0.783	0.824	-5.2	111	0.00
77	I	Perylene-d12	1.000	1.000	0.0	118	0.00
78	C	Di-n-Octyl Phthalate	1.791	1.857	-3.7	113	0.00
79		Benzo[b]fluoranthene	1.551	1.585	-2.2	113	0.00
80		Benzo[k]fluoranthene	1.466	1.498	-2.2	119	0.00
81	C	Benzo[a]pyrene	1.387	1.445	-4.2	117	0.00
82		Indeno[1,2,3-cd]pyrene	1.459	1.604	-9.9	125	0.00
83		Dibenz[ah]anthracene	1.192	1.327	-11.3	127	0.00
84		Benzo[ghi]perylene	1.198	1.317	-9.9	125	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4M30410.D BNA1013.M Mon Oct 17 09:06:23 2005 Page 2

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\101405\4M30410.D Vial: 2
Acq On : 14 Oct 2005 11:48 Operator: CLK
Sample : WG198660-02 50PPM BNA STD Inst : HPMS4
Misc : 1,1 SOS74-33-4 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Fri Oct 14 08:20:21 2005
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 1% Max. R.T. Dev 0.50min
Max. RRF Dev : 40% Max. Rel. Area : 500%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	107	0.00
2		Pyridine	50.000	54.028	-8.1	113	0.00
3		n-Nitrosodimethylamine	50.000	50.808	-1.6	112	0.00
4	S	2-Fluorophenol	50.000	53.202	-6.4	110	0.00
5		Aniline	50.000	55.328	-10.7	112	0.00
6	S	Phenol-d5	50.000	54.451	-8.9	111	0.00
7	C	Phenol	50.000	54.787	-9.6	112	0.00
8		bis(2-Chloroethyl)ether	50.000	54.840	-9.7	112	0.00
9		2-Chlorophenol	50.000	52.917	-5.8	109	0.00
10		1,3-Dichlorobenzene	50.000	51.957	-3.9	108	0.00
11	C	1,4-Dichlorobenzene	50.000	51.843	-3.7	108	0.00
12		Benzyl Alcohol	50.000	54.246	-8.5	111	0.00
13	C	1,2-Dichlorobenzene	50.000	51.866	-3.7	108	0.00
14		2-Methylphenol	50.000	53.691	-7.4	111	0.00
15		bis(2-Chloroisopropyl)ether	50.000	55.961	-11.9	114	0.00
16		3-,4-Methylphenol	50.000	54.572	-9.1	112	0.00
17	P	n-Nitrosodipropylamine	50.000	55.342	-10.7	114	0.00
18		Hexachloroethane	50.000	54.337	-8.7	113	0.00
19	I	Naphthalene-d8	40.000	40.000	0.0	110	0.00
20	S	Nitrobenzene-d5	50.000	53.483	-7.0	111	0.00
21		Nitrobenzene	50.000	54.081	-8.2	112	0.00
22		Isophorone	50.000	54.028	-8.1	112	0.00
23	C	2-Nitrophenol	50.000	55.658	-11.3	111	0.00
24		2,4-Dimethylphenol	50.000	53.042	-6.1	110	0.00
25		bis(2-Chloroethoxy)methane	50.000	53.187	-6.4	112	0.00
26		Benzoic Acid	50.000	57.642	-15.3	124	0.00
27	C	2,4-Dichlorophenol	50.000	52.209	-4.4	110	0.00
28		1,2,4-Trichlorobenzene	50.000	50.514	-1.0	108	0.00
29		Naphthalene	50.000	52.248	-4.5	109	0.00
30		4-Chloroaniline	50.000	53.072	-6.1	112	0.00
31	C	Hexachlorobutadiene	50.000	50.738	-1.5	109	0.00
32	C	4-Chloro-3-Methylphenol	50.000	54.599	-9.2	112	0.00
33		2-Methylnaphthalene	50.000	52.483	-5.0	109	0.00
34		1-Methylnaphthalene	50.000	52.053	-4.1	109	0.00
35	I	Acenaphthene-d10	40.000	40.000	0.0	109	0.00
36	P	Hexachlorocyclopentadiene	50.000	54.674	-9.3	124	0.00
37	C	2,4,6-Trichlorophenol	50.000	52.458	-4.9	110	0.00
38		2,4,5-Trichlorophenol	50.000	52.885	-5.8	110	0.00
39	S	2-Fluorobiphenyl	50.000	51.757	-3.5	109	0.00
40		2-Chloronaphthalene	50.000	52.091	-4.2	110	0.00
41		2-Nitroaniline	50.000	54.698	-9.4	115	0.00
42		Dimethylphthalate	50.000	52.366	-4.7	110	0.00
43		Acenaphthylene	50.000	53.290	-6.6	110	0.00
44		2,6-Dinitrotoluene	50.000	50.857	-1.7	112	0.00
45		3-Nitroaniline	50.000	54.565	-9.1	119	0.00
46	C	Acenaphthene	50.000	53.264	-6.5	110	0.00
47	P	2,4-Dinitrophenol	50.000	52.740	-5.5	125	0.00
48	P	4-Nitrophenol	50.000	60.010	-20.0	126	0.00
49		Dibenzofuran	50.000	52.403	-4.8	110	0.00
50		2,4-Dinitrotoluene	50.000	51.022	-2.0	112	0.00
51		Diethylphthalate	50.000	52.925	-5.8	110	0.00
52		Fluorene	50.000	52.918	-5.8	109	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\101405\4M30410.D Vial: 2
Acq On : 14 Oct 2005 11:48 Operator: CLK
Sample : WG198660-02 50PPM BNA STD Inst : HPMS4
Misc : 1,1 SOS74-33-4 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Fri Oct 14 08:20:21 2005
Response via : Multiple Level Calibration

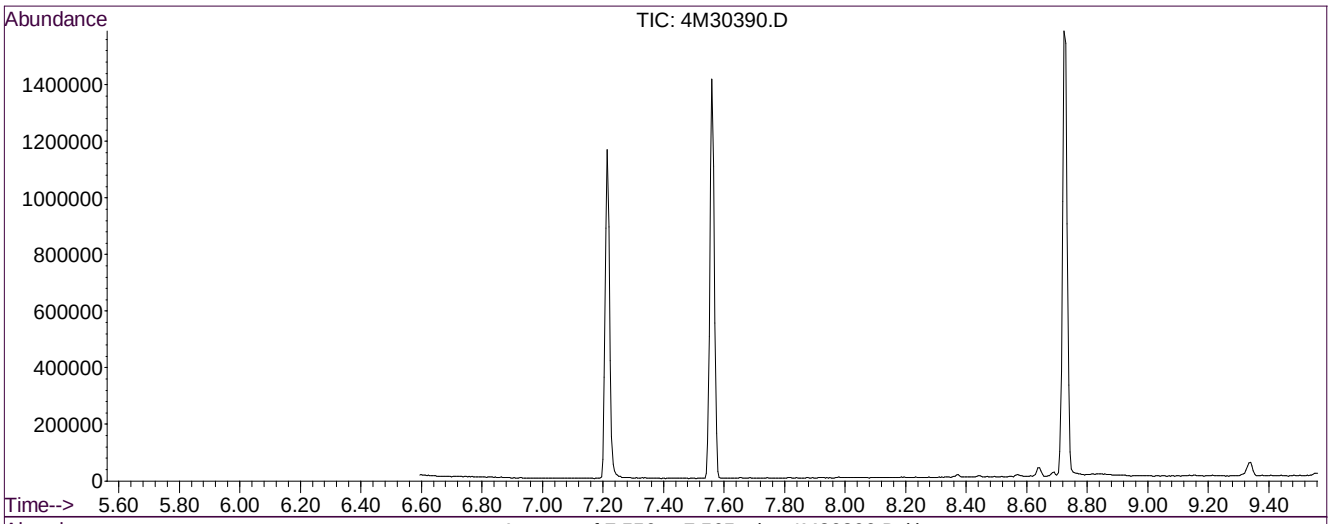
Min. RRF : 0.050 Min. Rel. Area : 1% Max. R.T. Dev 0.50min
Max. RRF Dev : 40% Max. Rel. Area : 500%

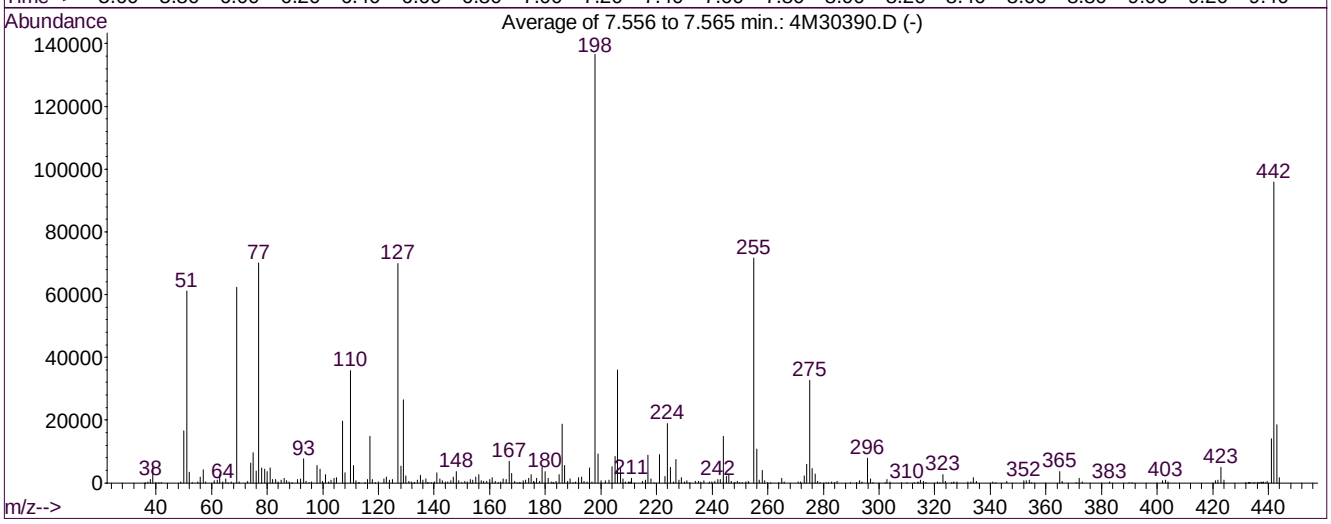
		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
53		4-Chlorophenyl Phenyl Ether	50.000	52.096	-4.2	109	0.00
54		4-Nitroaniline	50.000	58.469	-16.9	115	0.00
55		1,2-Diphenylhydrazine	50.000	54.986	-10.0	113	0.00
56	S	2,4,6-Tribromophenol	50.000	50.224	-0.4	116	0.00
57	I	Phenanthrene-d10	40.000	40.000	0.0	111	0.00
58		4,6-Dinitro-2-Methylphenol	50.000	54.165	-8.3	122	0.00
59	C	n-Nitrosodiphenylamine	50.000	52.101	-4.2	111	0.00
60		4-Bromophenyl Phenyl Ether	50.000	50.837	-1.7	109	0.00
61		Hexachlorobenzene	50.000	50.650	-1.3	108	0.00
62	C	Pentachlorophenol	50.000	51.861	-3.7	115	0.00
63		Phenanthrene	50.000	52.046	-4.1	110	0.00
64		Anthracene	50.000	52.153	-4.3	109	0.00
65		Carbazole	50.000	54.692	-9.4	113	0.00
66		Di-n-Butyl Phthalate	50.000	53.199	-6.4	109	0.00
67	C	Fluoranthene	50.000	52.874	-5.7	110	0.00
68	I	Chrysene-d12	40.000	40.000	0.0	112	0.00
69		Benzidine	50.000	60.467	-20.9	134	0.00
70		Pyrene	50.000	51.054	-2.1	110	0.00
71	S	p-Terphenyl-d14	50.000	50.758	-1.5	109	0.00
72		Butyl Benzyl Phthalate	50.000	52.408	-4.8	111	0.00
73		Benzo[a]anthracene	50.000	51.370	-2.7	111	0.00
74		3,3'-Dichlorobenzidine	50.000	49.039	1.9	121	0.00
75		Chrysene	50.000	52.361	-4.7	112	0.00
76		bis(2-Ethylhexyl)phthalate	50.000	52.635	-5.3	111	0.00
77	I	Perylene-d12	40.000	40.000	0.0	118	0.00
78	C	Di-n-Octyl Phthalate	50.000	51.831	-3.7	113	0.00
79		Benzo[b]fluoranthene	50.000	51.093	-2.2	113	0.00
80		Benzo[k]fluoranthene	50.000	51.076	-2.2	119	0.00
81	C	Benzo[a]pyrene	50.000	52.107	-4.2	117	0.00
82		Indeno[1,2,3-cd]pyrene	50.000	54.942	-9.9	125	0.00
83		Dibenz[ah]anthracene	50.000	55.674	-11.3	127	0.00
84		Benzo[ghi]perylene	50.000	55.001	-10.0	125	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4M30410.D BNA1013.M Mon Oct 17 09:06:09 2005 Page 2

2.2.1.4 Raw QC Data

Data File : C:\MSDCHEM\1\DATA\101305\4M30390.D Vial: 1
Acq On : 13 Oct 2005 8:38 Operator: CLK
Sample : WG198264-01 50PPM DFTPP Inst : HPMS4
Misc : 1,1 SOS76-14 Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title : DFTPP





AutoFind: Scans 201, 202, 203; Background Corrected with Scan 194

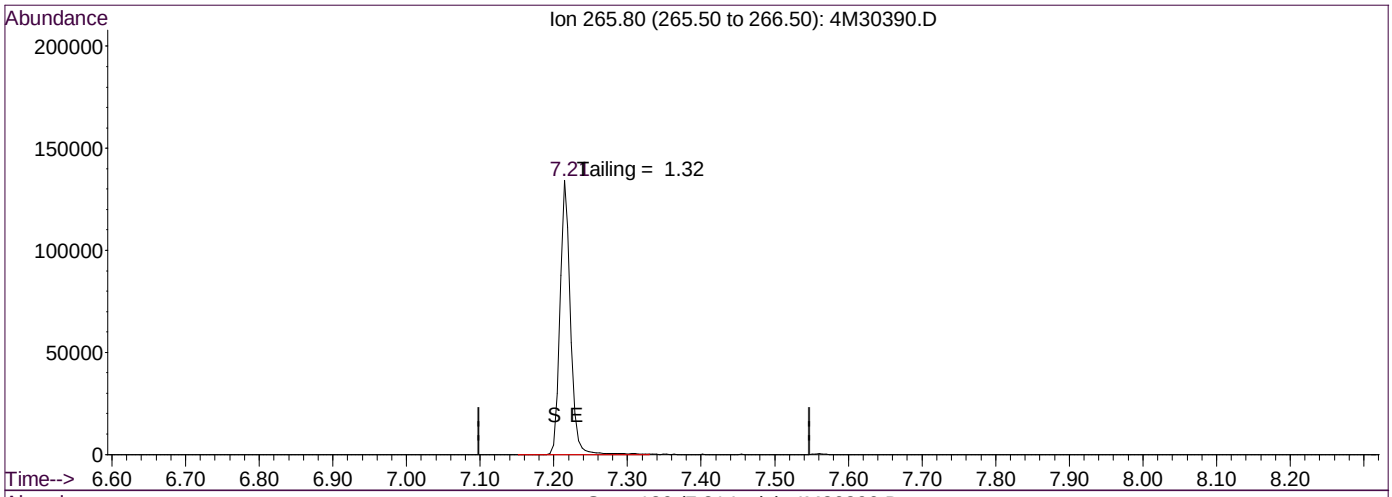
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	44.8	61261	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	45.7	62416	PASS
70	69	0.00	2	0.3	213	PASS
127	198	40	60	51.1	69858	PASS
197	198	0.00	1	0.3	396	PASS
198	198	100	100	100.0	136642	PASS
199	198	5	9	6.8	9246	PASS
275	198	10	30	23.9	32642	PASS
365	198	1	100	2.6	3590	PASS
441	443	0.01	100	76.0	14113	PASS
442	198	40	100	70.1	95786	PASS
443	442	17	23	19.4	18562	PASS

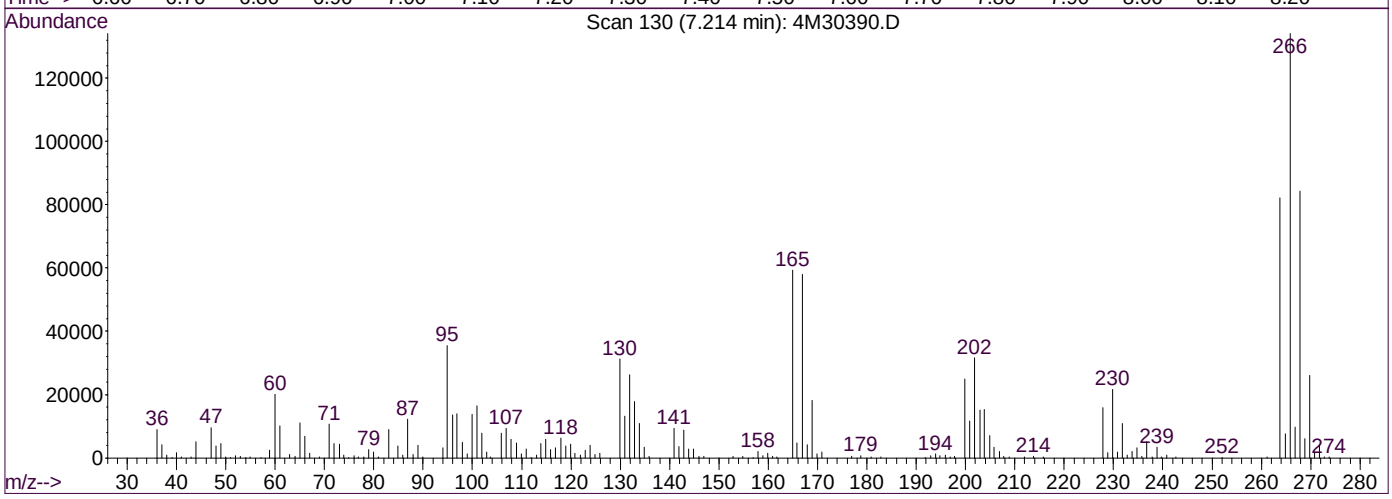
4M30390.D DFTPP.M Fri Oct 14 08:22:02 2005

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101305\4M30390.D Vial: 1
Acq On : 13 Oct 2005 8:38 Operator: CLK
Sample : WG198264-01 50PPM DFTPP Inst : HPMS4
Misc : 1,1 SOS76-14 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 8:22 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title : DFTPP
Last Update : Fri Oct 14 08:22:22 2005
Response via : Single Level Calibration





TIC: 4M30390.D

(1) Pentachlorophenol

7.21min 0.00ug/ml

response 133520

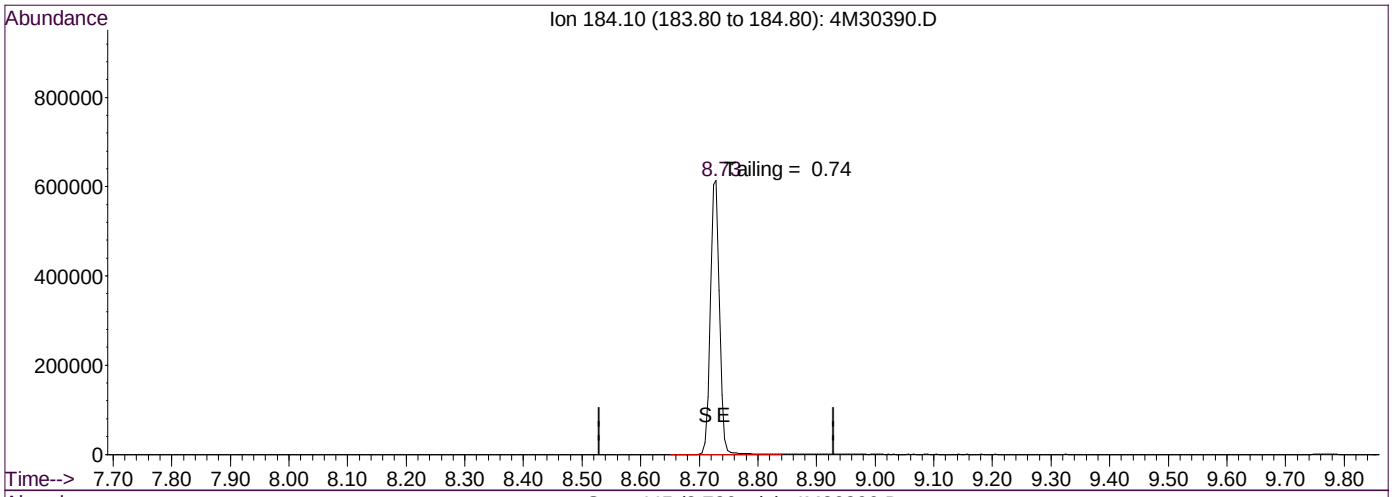
Ion	Exp%	Act%
265.80	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

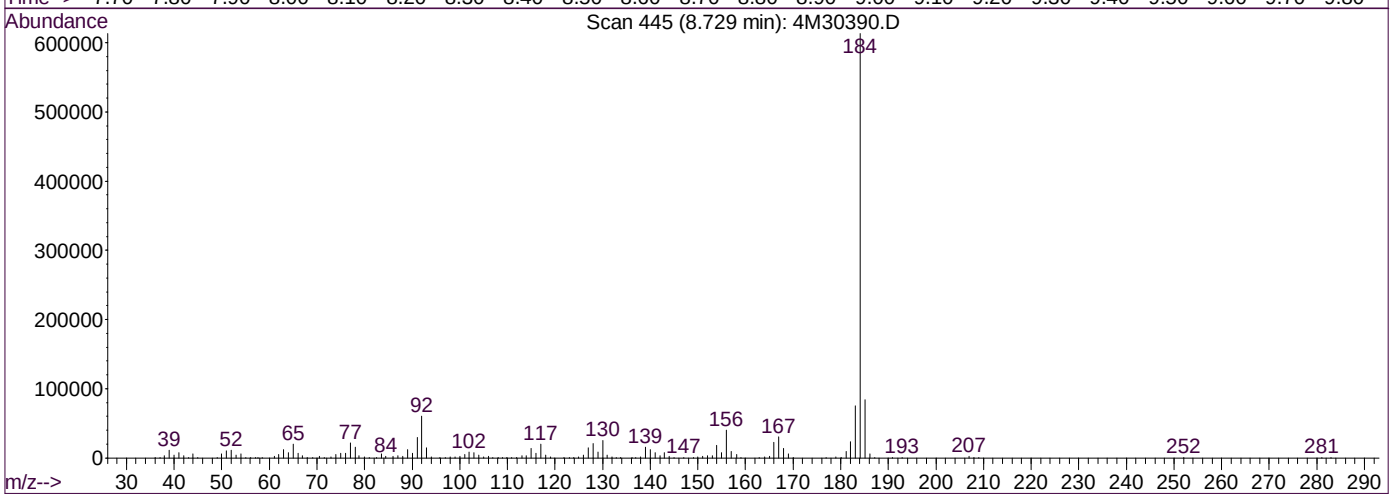
4M30390.D DFTPP.M Fri Oct 14 08:22:35 2005

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101305\4M30390.D Vial: 1
Acq On : 13 Oct 2005 8:38 Operator: CLK
Sample : WG198264-01 50PPM DFTPP Inst : HPMS4
Misc : 1,1 SOS76-14 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 8:22 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title : DFTPP
Last Update : Fri Oct 14 08:22:22 2005
Response via : Single Level Calibration





TIC: 4M30390.D

(2) Benzidine

8.73min 0.00ug/ml

response 667931

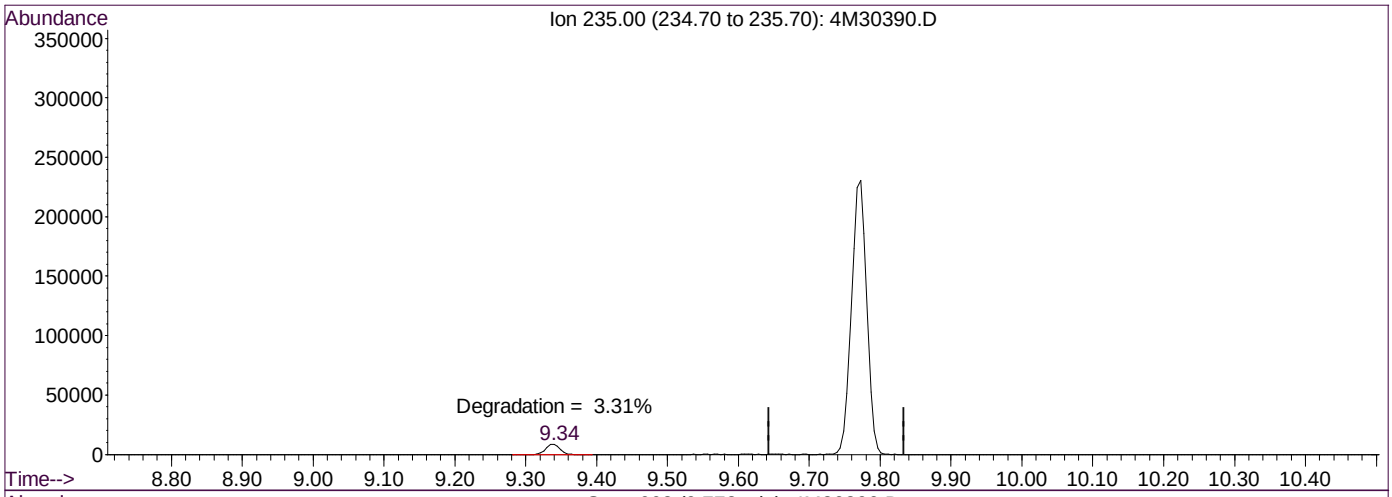
Ion	Exp%	Act%
184.10	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

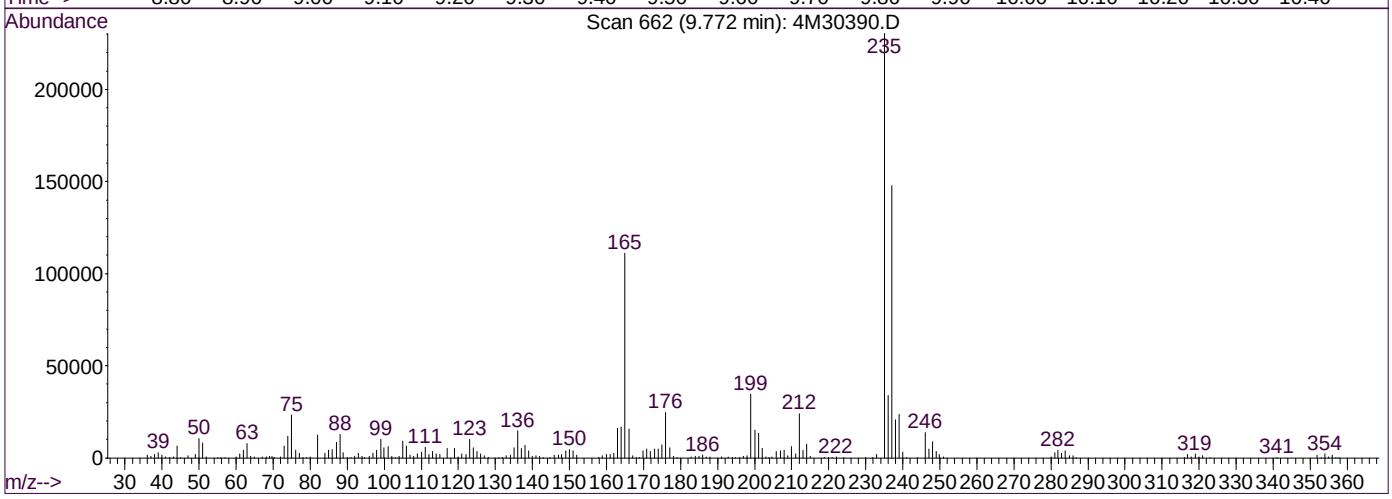
4M30390.D DFTPP.M Fri Oct 14 08:22:43 2005

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101305\4M30390.D Vial: 1
Acq On : 13 Oct 2005 8:38 Operator: CLK
Sample : WG198264-01 50PPM DFTPP Inst : HPMS4
Misc : 1,1 SOS76-14 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 8:22 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title : DFTPP
Last Update : Fri Oct 14 08:22:22 2005
Response via : Single Level Calibration





TIC: 4M30390.D

(3) DDT

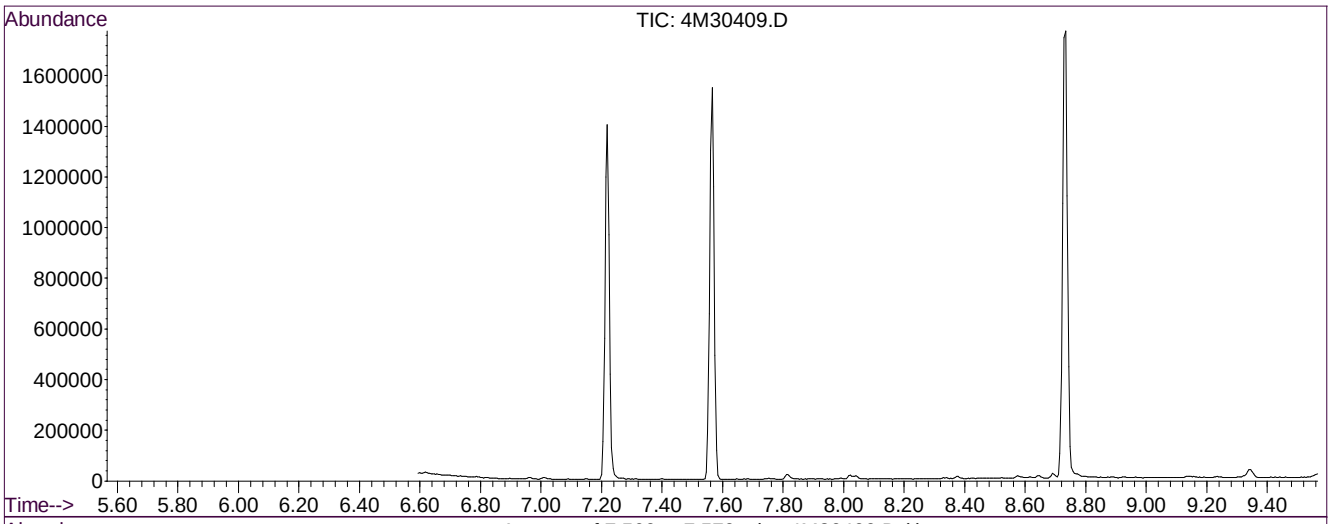
9.77min 0.00ug/ml

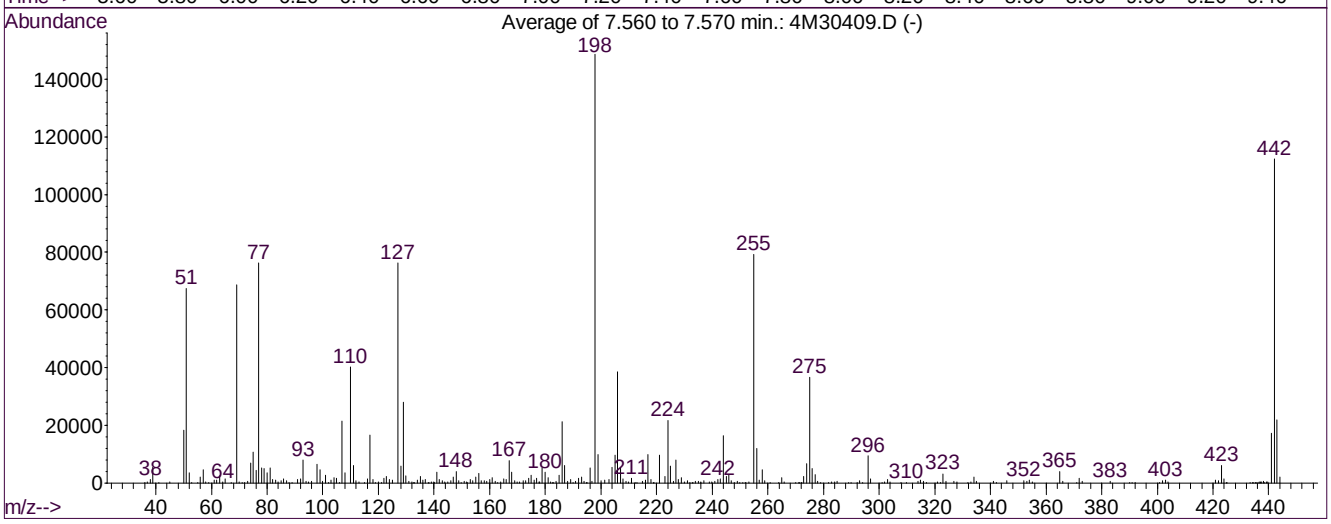
response 345646

Ion	Exp%	Act%
235.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

4M30390.D DFTPP.M Fri Oct 14 08:22:53 2005

Data File : C:\MSDCHEM\1\DATA\101405\4M30409.D Vial: 1
Acq On : 14 Oct 2005 11:29 Operator: CLK
Sample : WG198660-01 50PPM DFTPP Inst : HPMS4
Misc : 1,1 SOS76-14 Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title : DFTPP





AutoFind: Scans 202, 203, 204; Background Corrected with Scan 195

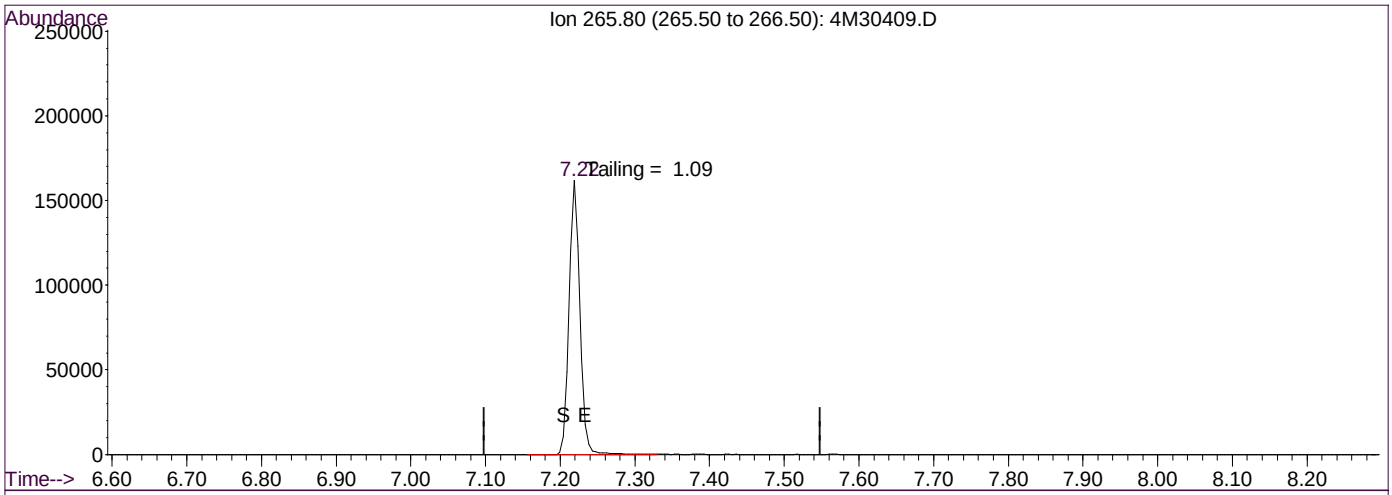
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	45.3	67384	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	46.2	68658	PASS
70	69	0.00	2	0.4	279	PASS
127	198	40	60	51.3	76336	PASS
197	198	0.00	1	0.3	496	PASS
198	198	100	100	100.0	148693	PASS
199	198	5	9	6.6	9862	PASS
275	198	10	30	24.6	36552	PASS
365	198	1	100	2.6	3915	PASS
441	443	0.01	100	78.1	17140	PASS
442	198	40	100	75.5	112266	PASS
443	442	17	23	19.5	21941	PASS

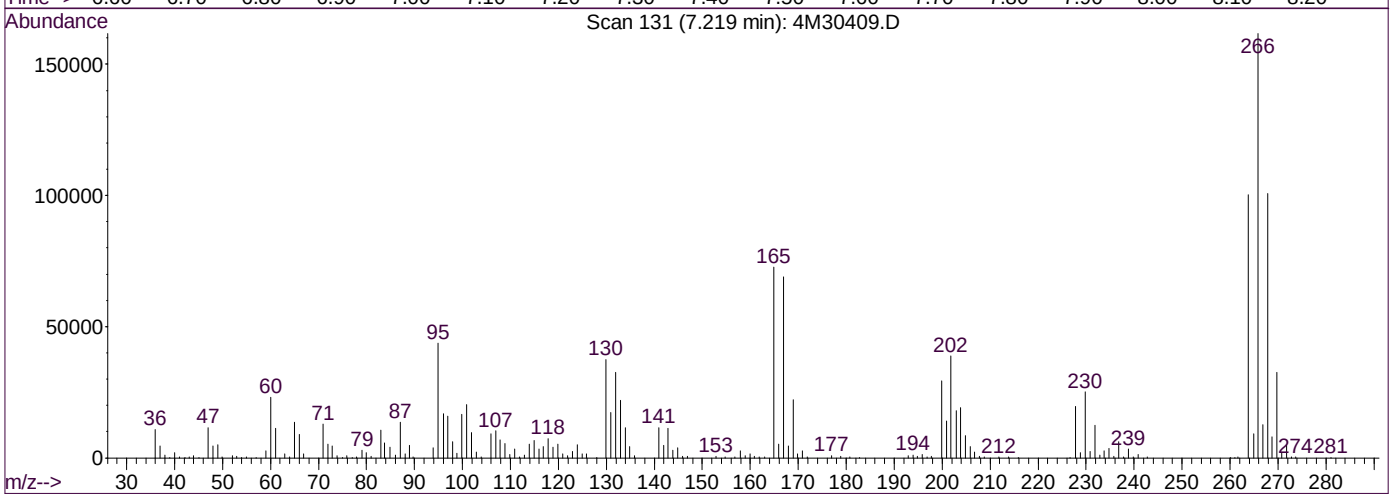
4M30409.D DFTPP.M Mon Oct 17 09:05:05 2005

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101405\4M30409.D Vial: 1
Acq On : 14 Oct 2005 11:29 Operator: CLK
Sample : WG198660-01 50PPM DFTPP Inst : HPMS4
Misc : 1,1 SOS76-14 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 9:05 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title : DFTPP
Last Update : Fri Oct 14 08:22:22 2005
Response via : Single Level Calibration





TIC: 4M30409.D

(1) Pentachlorophenol

7.22min 0.00ug/ml

response 159336

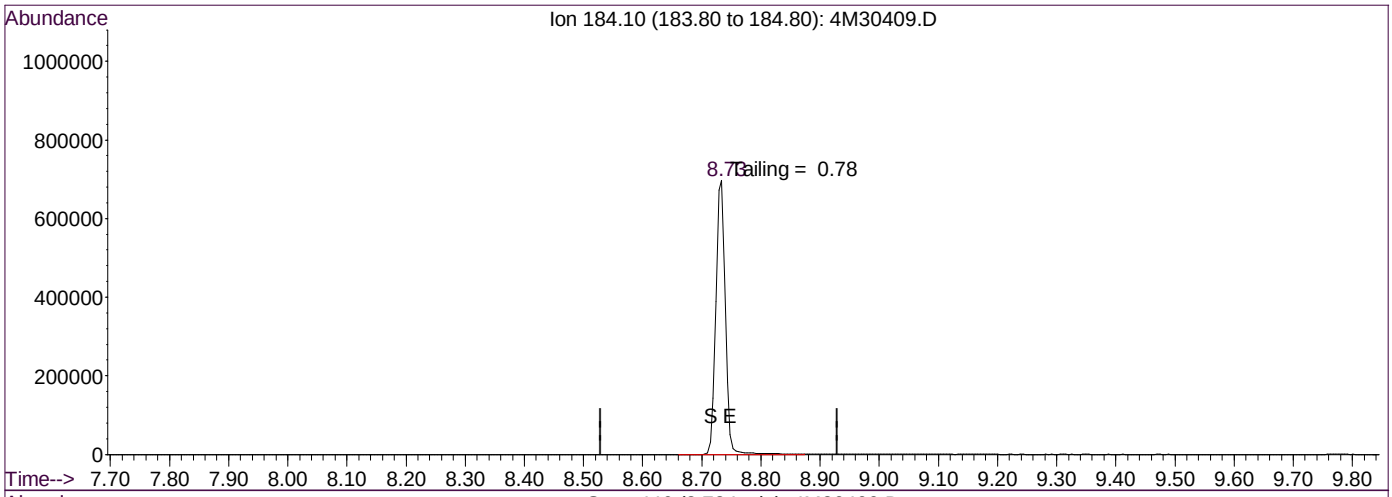
Ion	Exp%	Act%
265.80	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

4M30409.D DFTPP.M Mon Oct 17 09:05:15 2005

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101405\4M30409.D Vial: 1
Acq On : 14 Oct 2005 11:29 Operator: CLK
Sample : WG198660-01 50PPM DFTPP Inst : HPMS4
Misc : 1,1 SOS76-14 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 9:05 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title : DFTPP
Last Update : Fri Oct 14 08:22:22 2005
Response via : Single Level Calibration



TIC: 4M30409.D

(2) Benzidine

8.73min 0.00ug/ml

response 779203

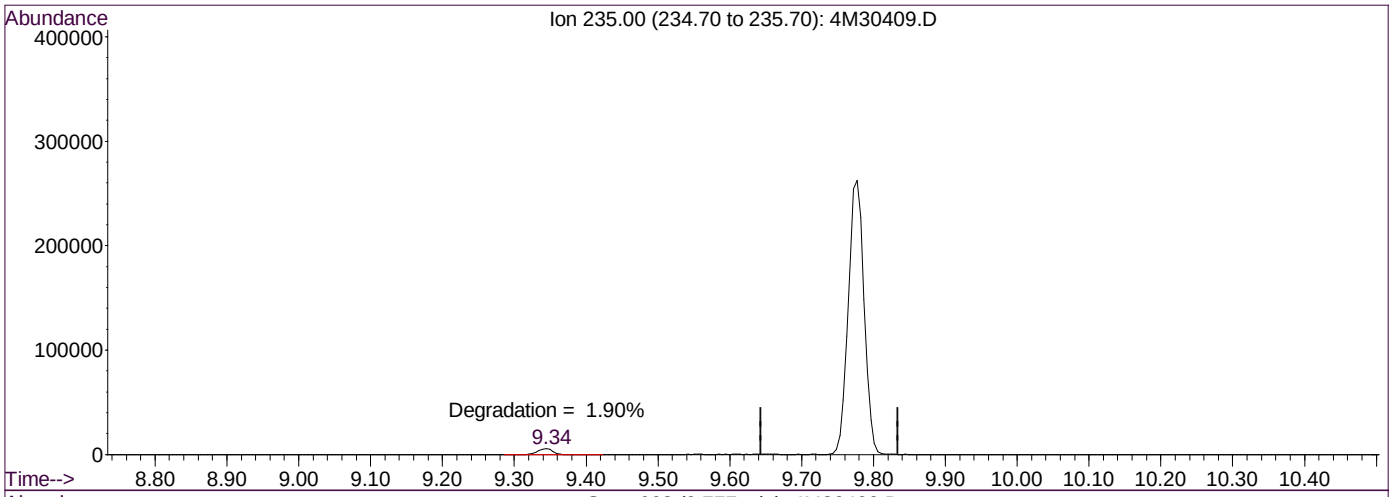
Ion	Exp%	Act%
184.10	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

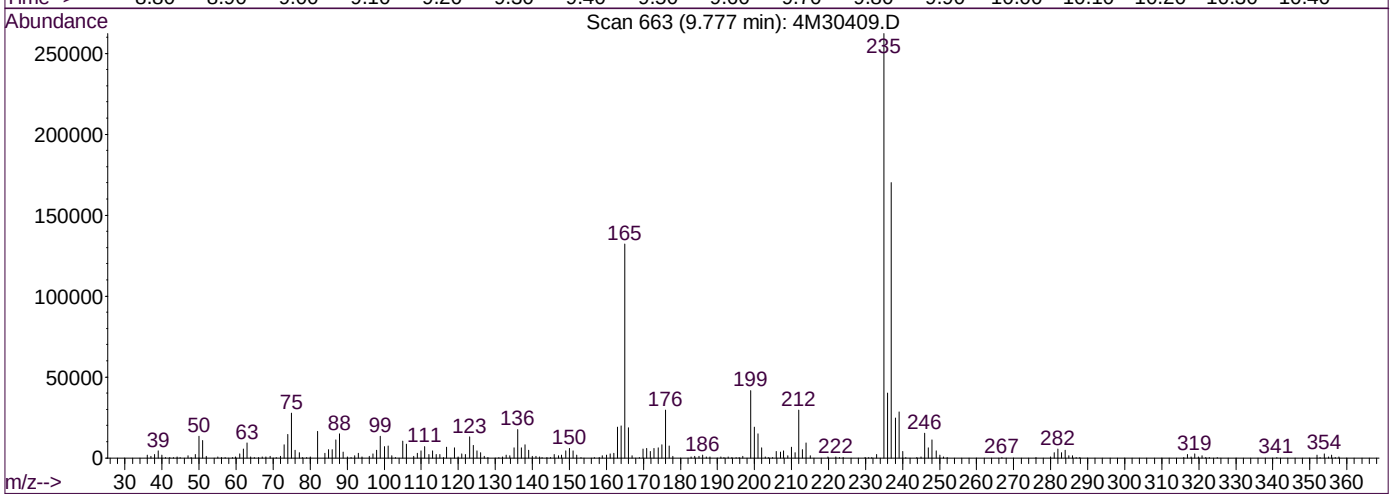
4M30409.D DFTPP.M Mon Oct 17 09:05:23 2005

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101405\4M30409.D Vial: 1
Acq On : 14 Oct 2005 11:29 Operator: CLK
Sample : WG198660-01 50PPM DFTPP Inst : HPMS4
Misc : 1,1 SOS76-14 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 9:05 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title : DFTPP
Last Update : Fri Oct 14 08:22:22 2005
Response via : Single Level Calibration





TIC: 4M30409.D

(3) DDT

9.78min 0.00ug/ml

response 402708

Ion	Exp%	Act%
235.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

4M30409.D DFTPP.M Mon Oct 17 09:05:32 2005

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101405\4M30416.D Vial: 8
Acq On : 14 Oct 2005 15:46 Operator: CLK
Sample : WG198622-02 BLK 10/14 EP250P97 Inst : HPMS4
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 09:15:57 2005 Quant Results File: BNA1013.RES

Quant Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Mon Oct 17 09:06:32 2005
Response via : Initial Calibration
DataAcq Meth : BNA

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.14	152	237617	40.00 ug/ml	0.00
19) Naphthalene-d8	11.76	136	947170	40.00 ug/ml	0.00
35) Acenaphthene-d10	13.87	164	532339	40.00 ug/ml	0.00
57) Phenanthrene-d10	15.50	188	856221	40.00 ug/ml	0.00
68) Chrysene-d12	18.34	240	801725	40.00 ug/ml	0.00
77) Perylene-d12	20.77	264	599952	40.00 ug/ml	0.00

System Monitoring Compounds

4) 2-Fluorophenol	8.39	112	435368	60.1649 ug/ml	0.00
Spiked Amount 100.000	Range 25 - 121		Recovery = 60.16%		
6) Phenol-d5	9.60	99	574295	69.8569 ug/ml	0.00
Spiked Amount 100.000	Range 24 - 113		Recovery = 69.86%		
20) Nitrobenzene-d5	10.83	82	256230	33.2345 ug/ml	0.00
Spiked Amount 50.000	Range 23 - 120		Recovery = 66.46%		
39) 2-Fluorobiphenyl	13.06	172	516519	31.6581 ug/ml	0.00
Spiked Amount 50.000	Range 30 - 115		Recovery = 63.32%		
56) 2,4,6-Tribromophenol	14.74	330	132628	65.7919 ug/ml	0.00
Spiked Amount 100.000	Range 19 - 122		Recovery = 65.79%		
71) p-Terphenyl-d14	17.13	244	906588	52.7667 ug/ml	0.00
Spiked Amount 50.000	Range 18 - 137		Recovery = 105.54%		

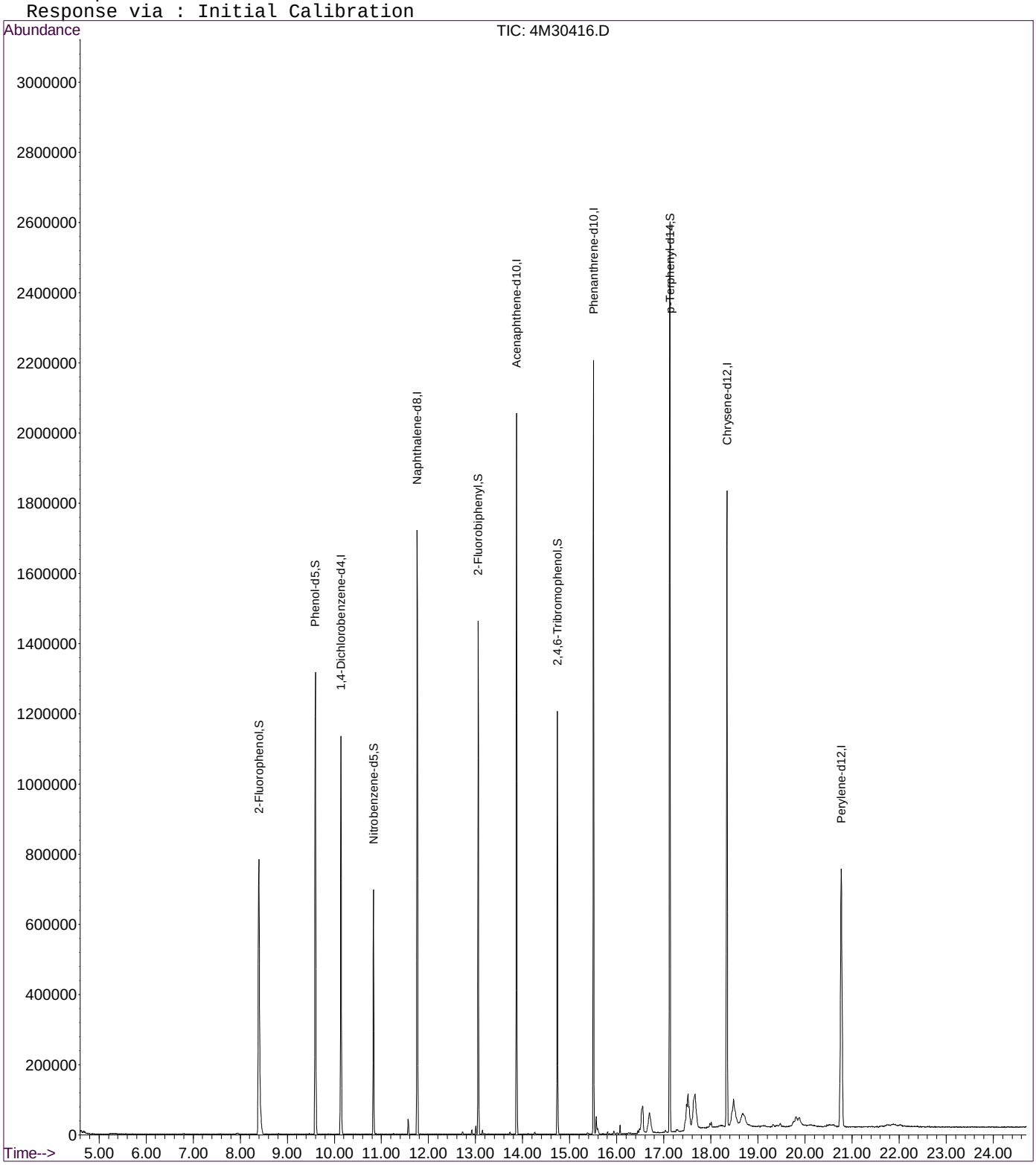
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration
4M30416.D BNA1013.M Mon Oct 17 09:16:00 2005 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101405\4M30416.D Vial: 8
Acq On : 14 Oct 2005 15:46 Operator: CLK
Sample : WG198622-02 BLK 10/14 EP250P97 Inst : HPMS4
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 9:15 2005 Quant Results File: BNA1013.RES

Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Mon Oct 17 09:06:32 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101405\4M30417.D Vial: 9
Acq On : 14 Oct 2005 16:20 Operator: CLK
Sample : WG198622-03 LCS 10/14 EP250P97 Inst : HPMS4
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 09:16:03 2005 Quant Results File: BNA1013.RES

Quant Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Mon Oct 17 09:06:32 2005
Response via : Initial Calibration
DataAcq Meth : BNA

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.14	152	243701	40.00 ug/ml	0.00
19) Naphthalene-d8	11.76	136	1037978	40.00 ug/ml	0.00
35) Acenaphthene-d10	13.87	164	556126	40.00 ug/ml	0.00
57) Phenanthrene-d10	15.51	188	918530	40.00 ug/ml	0.00
68) Chrysene-d12	18.34	240	880523	40.00 ug/ml	0.00
77) Perylene-d12	20.77	264	692391	40.00 ug/ml	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	8.39	112	399881	53.8812 ug/ml	0.00
Spiked Amount 100.000	Range 25 - 121		Recovery = 53.88%		
6) Phenol-d5	9.60	99	522118	61.9246 ug/ml	0.00
Spiked Amount 100.000	Range 24 - 113		Recovery = 61.92%		
20) Nitrobenzene-d5	10.83	82	238994	28.2869 ug/ml	0.00
Spiked Amount 50.000	Range 23 - 120		Recovery = 56.58%		
39) 2-Fluorobiphenyl	13.06	172	490239	28.7622 ug/ml	0.00
Spiked Amount 50.000	Range 30 - 115		Recovery = 57.52%		
56) 2,4,6-Tribromophenol	14.74	330	158235	74.7343 ug/ml	0.00
Spiked Amount 100.000	Range 19 - 122		Recovery = 74.73%		
71) p-Terphenyl-d14	17.12	244	974236	51.6296 ug/ml	0.00
Spiked Amount 50.000	Range 18 - 137		Recovery = 103.26%		

Target Compounds					Qvalue
2) Pyridine	6.09	79	207598	26.3903 ug/ml	96
3) n-Nitrosodimethylamine	6.01	74	119240	27.6895 ug/ml#	98
5) Aniline	9.70	93	284089	29.6427 ug/ml	99
7) Phenol	9.61	94	278409	30.2071 ug/ml	94
8) bis(2-Chloroethyl)ether	9.77	63	153798	29.5493 ug/ml	99
9) 2-Chlorophenol	9.86	128	224609	28.7771 ug/ml	98
10) 1,3-Dichlorobenzene	10.07	146	243317	28.8920 ug/ml	100
11) 1,4-Dichlorobenzene	10.16	146	242201	27.7473 ug/ml	99
12) Benzyl Alcohol	10.28	108	149483	29.7101 ug/ml	99
13) 1,2-Dichlorobenzene	10.36	146	236299	29.6169 ug/ml	100
14) 2-Methylphenol	10.39	107	182598	30.0199 ug/ml	99
15) bis(2-Chloroisopropyl)ethe	10.45	45	306630	29.7313 ug/ml	99
16) 3-,4-Methylphenol	10.57	107	261262	29.9854 ug/ml	100
17) n-Nitrosodipropylamine	10.61	70	161605	31.3214 ug/ml	97
18) Hexachloroethane	10.80	117	82708	27.9868 ug/ml	98
21) Nitrobenzene	10.86	77	241552	28.3683 ug/ml	99
22) Isophorone	11.14	82	431503	31.9119 ug/ml	100
23) 2-Nitrophenol	11.26	139	115163	28.3998 ug/ml	92
24) 2,4-Dimethylphenol	11.25	122	232954	31.0203 ug/ml	98
25) bis(2-Chloroethoxy)methane	11.39	93	256240	27.0865 ug/ml	100
26) Benzoic Acid	11.30	105	160187	29.0848 ug/ml	94
27) 2,4-Dichlorophenol	11.55	162	183162	27.0853 ug/ml	99
28) 1,2,4-Trichlorobenzene	11.68	180	198135	26.0277 ug/ml	100
29) Naphthalene	11.79	128	681379	27.5856 ug/ml	98
30) 4-Chloroaniline	11.82	127	261756	28.5262 ug/ml	99
31) Hexachlorobutadiene	11.92	225	116723	27.9595 ug/ml	99
32) 4-Chloro-3-Methylphenol	12.37	107	202093	29.4586 ug/ml	100
33) 2-Methylnaphthalene	12.64	142	442339	27.4698 ug/ml	99
34) 1-Methylnaphthalene	12.76	142	407086	27.5943 ug/ml	99
36) Hexachlorocyclopentadiene	12.82	237	95457	34.3090 ug/ml	100
37) 2,4,6-Trichlorophenol	12.96	196	139737	29.3531 ug/ml	99
38) 2,4,5-Trichlorophenol	13.00	196	157757	31.0014 ug/ml	100
40) 2-Chloronaphthalene	13.23	162	435789	28.9712 ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101405\4M30417.D Vial: 9
Acq On : 14 Oct 2005 16:20 Operator: CLK
Sample : WG198622-03 LCS 10/14 EP250P97 Inst : HPMS4
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 09:16:03 2005 Quant Results File: BNA1013.RES

Quant Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Mon Oct 17 09:06:32 2005
Response via : Initial Calibration
DataAcq Meth : BNA

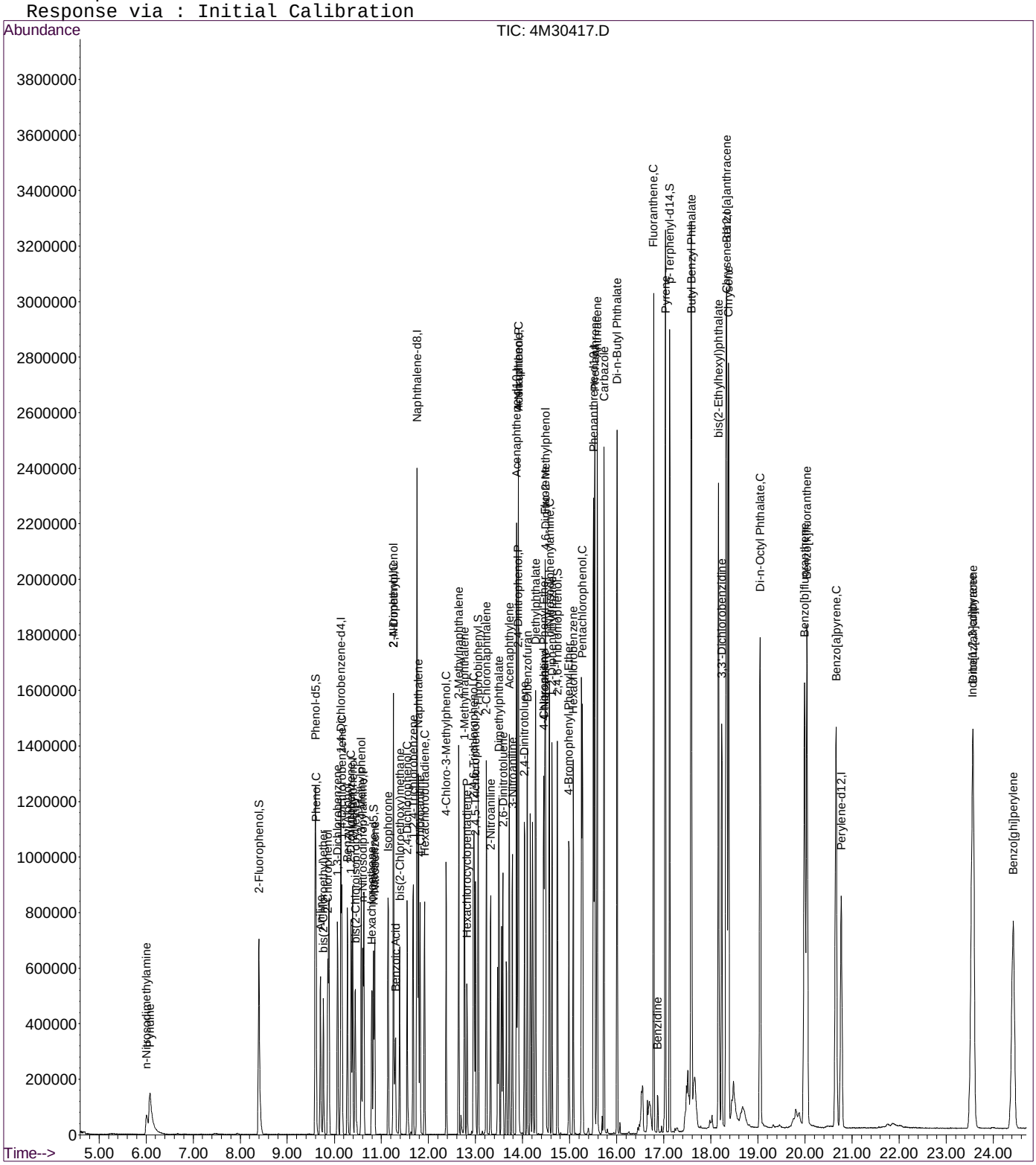
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
41)	2-Nitroaniline	13.32	65	148645	33.4440	ug/ml	98
42)	Dimethylphthalate	13.50	163	556906	32.4509	ug/ml	100
43)	Acenaphthylene	13.72	152	704907	32.3120	ug/ml	99
44)	2,6-Dinitrotoluene	13.58	165	136548	33.5064	ug/ml	99
45)	3-Nitroaniline	13.79	138	163428	43.1124	ug/ml	98
46)	Acenaphthene	13.91	154	434744	31.2086	ug/ml	97
47)	2,4-Dinitrophenol	13.90	184	66218	37.6049	ug/ml	61
48)	4-Nitrophenol	13.91	65	157449	60.7437	ug/ml	94
49)	Dibenzofuran	14.10	168	636369	29.5107	ug/ml	99
50)	2,4-Dinitrotoluene	14.04	165	226552	43.5857	ug/ml	99
51)	Diethylphthalate	14.28	149	643837	40.1955	ug/ml	100
52)	Fluorene	14.48	166	548113	32.8482	ug/ml	99
53)	4-Chlorophenyl Phenyl Ethe	14.45	204	253722	29.6102	ug/ml	99
54)	4-Nitroaniline	14.46	138	200504	65.7374	ug/ml	97
55)	1,2-Diphenylhydrazine	14.62	77	571323	33.9002	ug/ml	98
58)	4,6-Dinitro-2-Methylphenol	14.49	198	132363	47.1150	ug/ml	96
59)	n-Nitrosodiphenylamine	14.57	169	476359	41.0134	ug/ml	99
60)	4-Bromophenyl Phenyl Ether	14.99	248	145824	29.8727	ug/ml	98
61)	Hexachlorobenzene	15.08	284	186394	39.5108	ug/ml	100
62)	Pentachlorophenol	15.27	266	183822	57.0192	ug/ml	99
63)	Phenanthrene	15.53	178	1076443	43.1556	ug/ml	99
64)	Anthracene	15.59	178	1127850	46.1368	ug/ml	100
65)	Carbazole	15.73	167	1123847	59.0200	ug/ml	99
66)	Di-n-Butyl Phthalate	16.01	149	1488439	53.7442	ug/ml	100
67)	Fluoranthene	16.79	202	1451960	55.0734	ug/ml	99
69)	Benzidine	16.87	184	57640	33.9441	ug/ml	100
70)	Pyrene	17.03	202	1518477	53.3005	ug/ml	100
72)	Butyl Benzyl Phthalate	17.58	149	688072	54.5029	ug/ml	100
73)	Benzo[a]anthracene	18.33	228	1417356	55.0365	ug/ml	100
74)	3,3'-Dichlorobenzidine	18.23	252	408055	56.0483	ug/ml	100
75)	Chrysene	18.37	228	1360943	55.5467	ug/ml	100
76)	bis(2-Ethylhexyl)phthalate	18.16	149	933749	54.1788	ug/ml	100
78)	Di-n-Octyl Phthalate	19.05	149	1615553	52.1038	ug/ml	99
79)	Benzo[b]fluoranthene	19.99	252	1401835	52.2049	ug/ml	98
80)	Benzo[k]fluoranthene	20.04	252	1404166	55.3261	ug/ml	98
81)	Benzo[a]pyrene	20.66	252	1301904	54.2290	ug/ml	99
82)	Indeno[1,2,3-cd]pyrene	23.56	276	1394445	55.1992	ug/ml	100
83)	Dibenz[ah]anthracene	23.58	278	1173299	56.8620	ug/ml	99
84)	Benzo[ghi]perylene	24.43	276	1177203	56.7884	ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101405\4M30417.D Vial: 9
Acq On : 14 Oct 2005 16:20 Operator: CLK
Sample : WG198622-03 LCS 10/14 EP250P97 Inst : HPMS4
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 9:16 2005 Quant Results File: BNA1013.RES

Method : C:\MSDCHEM\1\METHODS\BNA1013.M (RTE Integrator)
Title : M8270/625/Initial cal. 10/13/05
Last Update : Mon Oct 17 09:06:32 2005
Response via : Initial Calibration



2.2.2 Semivolatiles GC/MS Data (827-PAHL)

2.2.2.1 QC Summary

KEMRON ENVIRONMENTAL SERVICES
GC/MS SEMIVOLATILE ORGANICS

KEMRON Login No.: L0510264

METHOD

Preparation: 3545 (soils) or 3510 (waters)

Analysis: SW-846 8270C

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: For all compounds which yielded a %RSD greater than 15%, linear or higher order equations were applied. All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibration and Tune: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: The LCS associated yielded responses for chrysene-d12 and perylene-d12 that were above the upper acceptance limit, resulting in low recoveries for 9 compounds; since we could determine no cause for this anomaly, the samples were re-extracted with an acceptable LCS. All other acceptance criteria were met.

Matrix Spikes: The MS/MSD were not associated with these samples.

SAMPLES

Internal Standards: All acceptance criteria were met.

Surrogates: The re-extract of sample 02 yielded recoveries for 2-fluorobiphenyl and nitrobenzene-d5 that were above the upper acceptance limits. All other acceptance criteria were met.

Samples: Sample 02 and the re-extracts of samples 01 and 02 were analyzed at dilutions due to viscosity. All acceptance criteria were met.

Manual Integration Reason Codes

KEMRON laboratory management has identified four general cases with valid reasons supporting the use of manual integration techniques.

Reason #1: Data System Fails to Select Correct Peak
In some cases the chromatography system selects and integrates the ”wrong peak”. In this case the analyst must correct the selection and force the system to integrate the proper peak. Other times the system may miss the peak completely.

Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak.
This phenomena is common at low concentrations where the signal:noise ratio is low. A single compound (peak) is incorrectly split into multiple peaks or integrated as a main peak with one or more rider peaks resulting in low area counts for the target compound.

Reason #3: Improperly Integrated Isomers and/or coeluting compounds.
This system often fails to distinguish coeluting compounds and or isomers. The integration areas and concentrations are wrong, and they must be corrected by manual integration. Prime examples are benzo(k)fluoranthene and benzo(b)fluoranthene which are often unresolved and integrated improperly when both are present at low concentrations in standards or samples.

Reason #4: System Establishes Incorrect Baseline
There are numerous situations in chromatography where the system establishes the baseline incorrectly. Some baseline errors will be obvious to the analyst and should be corrected via manual procedures.

Reason #5: Miscellaneous
Other situations involving integration errors may require in-depth review and technical judgment. These cases should be brought to the attention of the laboratory management. If the form of manual integration is not clearly covered by these four cases, then review and approval by the Laboratory Director or the QA/QC Supervisor will be required.

MI-REASONS-SAMPLES

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: CLK

Approved: 20-OCT-05

Semi-Volatile GCMS Checklist

Run Date: 10/5/05

Analyst: CLK

Instrument: HPMS7

Method: 8270 PAHL

Login no.	Due Date	Priority
10-001	10/17	—
10-002	10/17	—
10-003	10/17	—
10-004	10/17	—
09-506	10/11	—

		Analyst	Peer
System Performance Check:	DFTPP	✓	✓
	Tailing		
	DDT Breakdown		
Initial Calibration:	ICAL summary	✓	✓
	Linear or quadriatic regression		
	Alt Source Check	✓	✓
Continuing Calibration:	Continuing Calibration		
	Client Specific Requirements		
	Special Standards		
Blanks:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
	Library search		
LCS/LCS DUP:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
	Spike Compounds	✓	✓
	MS/MSD		
Samples:	Quant Reports/Chromatograms	✓	✓
	Mass spectra	✓	✓
	Surrogates	✓	✓
	Internal Standards	✓	✓
	Dilution runs		
	Correct Factors	✓	✓
	Library searches		
	Manual integrations	✓	✓
Data Package:	Run logs	✓	✓
	Bench sheets	✓	✓
	Upload results	✓	✓
	QC forms	✓	✓
	R-flag reports		
	Seedpak workgroups	✓	✓
Client Data	Data scanned		
	Integrations digitally signed	✓	
	Level 2 pdf files		
	Level 3/Level x		
	Case narratives		

	Supervisor
Integrations digitally cosigned	✓
Corrective Action	
Results Reporting/Data Qualifiers	✓
Client Data/digital signatures	
Check for Completeness	✓
Check for compliance with method and project requirements	✓
Check the reasonableness of results	✓

√ = Checked & OK

NA = Not Applicable

Comments:

Primary Reviewer: CLK 10/6/05

Secondary Reviewer: RLC 10/7/05

Semi-Volatile GCMS Checklist

Run Date: 10/13/05

Analyst: CK

Instrument: HPMS7

Method: 8270

Login no.	Due Date	Priority
10-210	10/13	P1
10-255	10/14	P1
10-259	10/22	P1

		Analyst	Peer
System Performance Check:	DFTPP	✓	✓
	Tailing		
	DDT Breakdown		
Initial Calibration:	ICAL summary		
	Linear or quadriatic regression		
	Alt Source Check		
Continuing Calibration:	Continuing Calibration	✓	✓
	Client Specific Requirements	✓	✓
	Special Standards		
Blanks:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
	Library search		
LCS/LCS DUP:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
	Spike Compounds	✓	✓
	MS/MSD		
Samples:	Quant Reports/Chromatograms	✓	✓
	Mass spectra	✓	✓
	Surrogates	✓	✓
	Internal Standards	✓	✓
	Dilution runs		
	Correct Factors	✓	✓
	Library searches		
	Manual integrations	✓	✓
Data Package:	Run logs	✓	✓
	Bench sheets	✓	✓
	Upload results	✓	✓
	QC forms	✓	✓
	R-flag reports		
	Seedpak workgroups	✓	✓
Client Data	Data scanned		
	Integrations digitally signed	✓	
	Level 2 pdf files		
	Level 3/Level x		
	Case narratives		

	Supervisor
Integrations digitally cosigned	✓
Corrective Action	
Results Reporting/Data Qualifiers	✓
Client Data/digital signatures	
Check for Completeness	✓
Check for compliance with method and project requirements	✓
Check the reasonableness of results	✓

√ = Checked & OK

NA = Not Applicable

Comments:

LCS 198583-02 LCS 10/13
EP0250993 Naphth RR
IS 4,5 high (?)

Primary Reviewer: CK 10/14/05

Secondary Reviewer: mdc 10/14/05

Semi-Volatile GCMS Checklist

Run Date: 10/14/05

Analyst: CK

Instrument: HPMS 7

Method: 8270 PAHL

Login no.	Due Date	Priority
10-221	10/21	—
10-259	10/20	F1
10-262	10/18	P1
10-253	10/24	—
10-264	10/19	—

		Analyst	Peer
System Performance Check:	DFTPP	✓	✓
	Tailing		
	DDT Breakdown		
Initial Calibration:	ICAL summary		
	Linear or quadriatic regression		
	Alt Source Check		
Continuing Calibration:	Continuing Calibration	✓	✓
	Client Specific Requirements	✓	✓
	Special Standards		
Blanks:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
	Library search		
LCS/LCS DUP:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
	Spike Compounds	✓	✓
	MS/MSD		
Samples:	Quant Reports/Chromatograms	✓	✓
	Mass spectra	✓	✓
	Surrogates	✓	✓
	Internal Standards	✓	✓
	Dilution runs		
	Correct Factors	✓	✓
	Library searches		
	Manual integrations	✓	✓
Data Package:	Run logs	✓	✓
	Bench sheets	✓	✓
	Upload results	✓	✓
	QC forms	✓	✓
	R-flag reports		
	Seedpak workgroups	✓	✓
Client Data	Data scanned		
	Integrations digitally signed	✓	
	Level 2 pdf files		
	Level 3/Level x		
	Case narratives		

	Supervisor
Integrations digitally cosigned	✓
Corrective Action	✓
Results Reporting/Data Qualifiers	✓
Client Data/digital signatures	
Check for Completeness	✓
Check for compliance with method and project requirements	✓
Check the reasonableness of results	✓

√ = Checked & OK

NA = Not Applicable

Comments:

10-221-01, Needs RX
-02
-03

10-262-02, Needs RF
-01
-03

10-264-01
-02
-03
-04

10-259-02

Primary Reviewer: CK 10/17/05

Secondary Reviewer: [illegible] 10/17/05

Semi-Volatile GCMS Checklist

Run Date: 10/18/05

Analyst: CLK

Instrument: HPMS7

Method: 8270 PAHL

Login no.	Due Date	Priority
10-345	10/19	P1
10-325 (RE)	10/18	P1
10-264 (RE)	~~10/19~~ 10/17	P1
10-259 (RE)	10/20	P1
10-255 (RE)	10/14	P1
10-262 (RE)	10/18	P1

		Analyst	Peer
System Performance Check:	DFTPP	✓	✓
	Tailing		
	DDT Breakdown		
Initial Calibration:	ICAL summary		
	Linear or quadriatic regression		
	Alt Source Check		
Continuing Calibration:	Continuing Calibration	✓	✓
	Client Specific Requirements	✓	✓
	Special Standards		
Blanks:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
	Library search		
LCS/LCS DUP:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
	Spike Compounds	✓	✓
	MS/MSD		
Samples:	Quant Reports/Chromatograms	✓	✓
	Mass spectra	✓	✓
	Surrogates	✓	✓
	Internal Standards	✓	✓
	Dilution runs	✓	✓
	Correct Factors	✓	✓
	Library searches		
	Manual integrations	✓	✓
Data Package:	Run logs	✓	✓
	Bench sheets	✓	✓
	Upload results	✓	✓
	QC forms	✓	✓
	R-flag reports		
	Seedpak workgroups	✓	✓
Client Data	Data scanned		
	Integrations digitally signed	✓	
	Level 2 pdf files		
	Level 3/Level x		
	Case narratives		

	Supervisor
Integrations digitally cosigned	✓
Corrective Action	✓
Results Reporting/Data Qualifiers	✓
Client Data/digital signatures	
Check for Completeness	✓
Check for compliance with method and project requirements	✓
Check the reasonableness of results	✓

√ = Checked & OK

NA = Not Applicable

Comments:

Primary Reviewer: CLK 10/19/05

Secondary Reviewer: MLC 10/19/05

Example 8270 Calculations

1.0 Calculating the Response Factor (RF) from the initial calibration (ICAL) data:

$$RF = \frac{(A_x)(C_{is})}{(A_{is})(C_x)}$$

where:	Example:
A_x = Area of the characteristic ion for the compund being measured	10000
C_{is} = Concentration of the specific internal standard ($\mu g/mL$)	100
A_{is} = Area of the characteristic ion for the specific internal standard	5000
C_x = Concentration of the compound being measured ($\mu g/mL$)	100
	RF = 2

2.0 Calculating the concentration (C) of a compuond in water using data from prep log and quantitation report:*

$$C = \frac{(A_x)(C_{is})(V_f)(D)}{(A_{is})(RF)(V_i)}$$

where:	Example:
A_x = Area of the characteristic ion for the compound being measured	10000
C_{is} = Concentration of the specific internal standard in ng/ml ($\mu g/L$).	4000
V_f = Final volume of sample extract (mL) (prep log)	1
D = Dilution factor for sample as a multiplier (10X = 10)	1
A_{is} = Area of the characteristic ioin for the specific internal standard.	5000
RF = Response factor from ICAL calculated above	2
V_i = Initial volume of sample (ml) (prep log)	1000
	C ($\mu g/l$) = 4

3.0 Calculating the concentration (C) of a compound in soil using data from prep log and quantitation report:*

$$C = \frac{(A_x)(C_{is})(V_f)(D)}{(A_{is})(RF)(W_i)}$$

where:	Example:
A_x = Area of the characteristic ion for the compound being measured	10000
C_{is} = Concentration of the specific internal standard in ng/ml ($\mu g/L$).	4000
V_f = Final volume of sample extract (mL) (prep log)	1
D = Dilution factor for sample as a multiplier (10X = 10)	1
A_{is} = Area of the characteristic ion for the specific internal standard.	5000
RF = Response factor from ICAL calculated above	2
W_i = Initial weight of sample (g) (prep log)	30
	C ($\mu g/kg$) = 133.3333

* Concentrations appearing on instrument quantitation reports are on-column results and do not take into account initial volume, final volume and dilution factor.

R987973

Sample Extract Log Sheet

KEMRON ENVIRONMENTAL SERVICES

Parameter: PAHL-S SOP #: EXASE01 Revision #: 5
Extraction Analyst(s): PAS/CEB TV/KD Analyst(s): PAS
Date/Time Extracted: 10/3/15 @ 1308 Date TV/KD: 10/13/15
Spike/Surrogate Analyst: PAS Witness: CEB
Surrogate #: STD10063 Earliest Hold Date:
Spike #: A = STD10001 Spike #: B = —

Extraction Work Group WG 198583

Extract Relinquished By: PAS
Extract Received By & Date: RaRe 10/13/05

	Sample ID	Test Code	pH √ <2	pH √ N	pH √ >12	Initial Vol / Wt	Amount Surrogate	Amount Spike	Final Volume	Extract Color	Emulsions √ A	Emulsions √ BN	Emulsions √ N	Comments
1	Blank					20.00g	250uL		1ml	T				WG 198583-01
2	LCS					↓	↓	1mL	↓	C				WG ↓ -02
3	LCS DUP					↓	↓	↓	↓	C				WG ↓ -03
4	10-255-01	827-PAHL				20.28g	↓		↓	C				Mulch-Like Matter.
5	10-259-01	↓				20.83g	↓		↓	C				Very Wet
6	-02	↓				20.26g	↓		↓	O				↓
7	10-262-01	827-PAHL-SPE				20.14g	↓		↓	C				Rocks
8	-02	↓				21.24g	↓		↓	C				Wet w/ Rocks
9	-03	↓				20.65g	↓		↓	C				↓
10	10-264-01	827-PAHL				20.71g	↓		↓	C				
11	-02	↓				20.46g	↓		↓	O				
12	-03	↓				20.53g	↓		↓	C				Sand
13	-04	↓				20.12g	↓		↓	C				
14														
15														
16														
17														
18														
19						PAS 10/13/15								
20														
21														
22														
23														
24														

Methylene Chloride Lot #: B27E23
Hexane Lot #: —
Ether Lot #: —
Methanol Lot #: —
Solvent: — Lot #: —
Reagent: Lab Sand Lot #: B10663
Reagent: DF Lot #: B14H12
Reagent: — Lot #: —
Acid: — Lot #: —
Florisil Lot #: —
Silica Gel Lot #: —
IR Analyst / Date / Time: —
Dried Na_2SO_4 Lot #: EN00116-71

Color Code
T = Transparent
C = Colored
O = Opaque

SW-846 Method			On	Off	On	Off
Continuous	3520C					
Soxhlet	3540C					
ASE*	3545	✓				
Sep Funnel	3510C					
Sonication	3550B					
Waste	3580A					

* Accelerated Solvent Extractor (ASE)

Clean-ups			
Florisil 3620B		GPC 3640A	
Silica Gel 3630C		Other	
Acid 3665A		N/A	✓
Sulfur 3660B			

Peer Reviewed By: [signature] Date: 10/13/15

Extraction Notes For Volume # 250 Page # 93

General Comments: NONE

Extraction Anomalies: NONE

Concentration Anomalies: NONE

Clean-Up Anomalies: N/A

Supervisor Review: _____ Date: _____

R988879

Sample Extract Log Sheet

KEMRON ENVIRONMENTAL SERVICES

Parameter: PAHL-Soil SOP #: EXASE01 Revision #: 5
Extraction Analyst(s): PAS TV/KD Analyst(s): CSH
Date/Time Extracted: 10/14/05 1345 Date TV/KD: 10/14/5
Spike/Surrogate Analyst: PAS Witness: CSH
Surrogate #: STD10063 Earliest Hold Date: 10/26
Spike #: A = STD10061 Spike #: B = —

Extraction Work Group WG 198681
Extract Relinquished By: CSH
Extract Received By & Date: ECR 10/17/05

	Sample ID	Test Code	pH √ <2	pH √ N	pH √ >12	Initial Vol / Wt	Amount Surrogate	Amount Spike	Final Volume	Extract Color	Emulsions √ A	Emulsions √ BN	Emulsions √ N	Comments
1	Blank					20.00g	250uL		1mL	T				WG 198681-01
2	LCS					↓	↓	1mL	↓	↓				WG ↓ -02
3	LCS DUP					↓		↓		C				WG ↓ -03
4	10-255-01	827-PAHL				20.83g				O				Mulch-like Material *
5	10-259-01	↓				20.33g				C				wet *
6	-02	↓				20.86g								↓ *
7	10-262-01	827-PAHL-SPE				20.12g								Rocks *
8	-02	↓				21.42g								wet *
9	-03	↓				20.04g				↓				↓ *
10	10-264-01	827-PAHL				20.27g				O				*
11	-02	↓				20.04g				↓				*
12	-03	↓				20.15g				C				Sand *
13	-04	↓				20.54g	↓		↓	↓				
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

CSH 10-14-5

Methylene Chloride Lot #: B27E23
Hexane Lot #: —
Ether Lot #: —
Methanol Lot #: —
Solvent: — Lot #: —
Reagent: Lab Sand Lot #: B10663
Reagent: DE Lot #: B14N12
Reagent: — Lot #: —
Acid: — Lot #: —
Florisil Lot #: —
Silica Gel Lot #: —
IR Analyst / Date / Time: —
Dried Na_2SO_4 Lot #: ER0016-73

Color Code
T = Transparent
C = Colored
O = Opaque

SW-846 Method			On	Off	On	Off
Continuous	3520C					
Soxhlet	3540C					
ASE*	3545	✓				
Sep Funnel	3510C					
Sonication	3550B					
Waste	3580A					

* Accelerated Solvent Extractor (ASE)

Clean-ups			
Florisil 3620B		GPC 3640A	
Silica Gel 3630C		Other	
Acid 3665A		N/A	✓
Sulfur 3660B			

Peer Reviewed By: Chris Hill Date: 10-14-5

Extraction Notes For Volume # 250 Page # 105

General Comments: NONE

*→ SX'S ARE RE-EXT IN HOLD.

Extraction Anomalies: NONE

Concentration Anomalies: NONE

Clean-Up Anomalies: NA

Supervisor Review: [signature] Date: 10/17/15

Instrument: HPMS7 Dataset: 100505
Analyst 1: CLK Analyst 2: NA
Method: 8270L SOP: MSS03 Rev: 3

Internal Standard: SOS76-12 Surrogate Standard: NA
CCV: NA LCS: NA MS/MSD: NA

Column 1 ID: DB5-MS Column 2 ID: __

Seq.	File ID	Sample Info	Mat	Dil	Reference	Date/Time
1.	7M26753	PAHL ISTD CHK*	1	1		10/05/05 09:05
2.	7M26754	WG197981-01 5ppm DFTPP	1	1	SOS76-15	10/05/05 09:32
3.	7M26755	WG197981-02 2.5ppm PAHL STD	1	1	SOS75-45-2	10/05/05 09:49
4.	7M26756	WG197981-03 10ppm PAHL STD	1	1	SOS75-44	10/05/05 10:15
5.	7M26757	WG197981-04 5ppm PAHL STD	1	1	SOS75-45-1	10/05/05 10:41
6.	7M26758	WG197981-05 1ppm PAHL STD	1	1	SOS75-45-3	10/05/05 11:07
7.	7M26759	WG197981-06 0.5ppm PAHL STD	1	1	SOS75-45-4	10/05/05 11:33
8.	7M26760	WG197981-07 0.1ppm PAHL STD	1	1	SOS75-45-5	10/05/05 11:59
9.	7M26761	WG197981-08 2.5ppm Alt Source PAHL STD	1	1	SOS74-21	10/05/05 12:26
10.	7M26762	WG197507-01 BLK 9/28 EP0248P175 Remix	7	1	SOIL	10/05/05 12:53
11.	7M26763	WG197507-02 LCS 9/28 EP0248P175 Remix	7	1	SOIL	10/05/05 13:20
12.	7M26764	WG197507-03 LCS DUP 9/28 EP0248P175 Remi	7	1	SOIL	10/05/05 13:46
13.	7M26765	WG197957-01 BLK 10/5 EP0250P21	7	1	SOIL	10/05/05 14:12
14.	7M26766	WG197957-02 LCS 10/5 EP0250P21	7	1	SOIL	10/05/05 14:38
15.	7M26767	WG197957-03 LCS DUP 10/5 EP0250P21	7	1	SOIL	10/05/05 15:04
16.	7M26768	L0510003-01 SOIL	7	1	SOIL	10/05/05 15:31
17.	7M26769	L0510004-01 SOIL	7	1	SOIL	10/05/05 15:57
18.	7M26770	L0510001-01	1	1		10/05/05 16:23
19.	7M26771	L0510002-01	1	1		10/05/05 16:49
20.	7M26772	L0509506-04 SOIL 5X	7	5	SOIL	10/05/05 17:15
21.	7M26773	L0509506-05 SOIL 10X Remix	7	10	SOIL	10/05/05 17:42
22.	7M26774	L0509506-06 SOIL 10X	7	10	SOIL	10/05/05 18:08
23.	7M26775	BAKEOUT	1	1		10/05/05 18:34

Comments.
Changed Liner
1. Good

Approved: October 07, 2005
Rebecca D. Cattlip

Instrument: HPMS7 Dataset: 101305
Analyst 1: CLK Analyst 2: NA
Method: 8270L SOP: MSS03 Rev: 3

Internal Standard: SOS76-12 Surrogate Standard: NA
CCV: NA LCS: NA MS/MSD: NA

Column 1 ID: DB5-MS Column 2 ID: __

Seq.	File ID	Sample Info	Mat	Dil	Reference	Date/Time
1.	7M26859	WG198581-01 5ppm DFTPP	1	1	SOS76-15	10/13/05 12:00
2.	7M26860	WG198581-02 2.5ppm PAHL STD	1	1	SOS75-45-2	10/13/05 12:16
3.	7M26861	L0510210-03 SOIL 2X	7	2	SOIL	10/13/05 13:06
4.	7M26862	L0510210-06 SOIL 2X	7	2	SOIL	10/13/05 13:32
5.	7M26863	L0510210-02 SOIL 2X	7	2	SOIL	10/13/05 13:58
6.	7M26864	L0510210-04 SOIL 2X	7	2	SOIL	10/13/05 14:24
7.	7M26865	L0510210-05 SOIL 2X	7	2	SOIL	10/13/05 14:50
8.	7M26866	L0510210-07 SOIL 5X	7	5	SOIL	10/13/05 15:17
9.	7M26867	bakeout	1	1		10/13/05 16:17
10.	7M26868	WG198583-01 BLK 10/13 EP250P93	7	1	SOIL	10/13/05 16:43
11.	7M26869	WG198583-02 LCS 10/13 EP250P93*	7	1	SOIL	10/13/05 17:09
12.	7M26870	WG198583-03 LCS DUP 10/13 EP250P93*	7	1	SOIL	10/13/05 17:35
13.	7M26871	L0510255-01*	7	1	SOIL	10/13/05 18:01
14.	7M26872	L0510259-01	7	1	SOIL	10/13/05 18:28
15.	7M26873	L0510259-02 @ 2X*	7	2	SOIL	10/13/05 18:54

Comments.
Changed Liner
11. Rerun: WG198583-02 LCS 10/13 EP250P93 Reason: Internal standard failure IS 4,5 high, SS 3<10%, (several compounds low), Needs Remixed and RR
12. LCS DUP (OK)
13. SS 1 low
15. Rerun: L0510259-02 @ 2X Reason: Over Calibration Range Needs 10X (#12,13,14,16)

Approved: October 14, 2005

Instrument: HPMS7 Dataset: 101405
Analyst 1: CLK Analyst 2: NA
Method: 8270L SOP: MSS03 Rev: 3

Internal Standard: SOS76-12 Surrogate Standard: NA
CCV: NA LCS: NA MS/MSD: NA

Column 1 ID: DB5-MS Column 2 ID: __

Seq.	File ID	Sample Info	Mat	Dil	Reference	Date/Time
1.	7M26874	WG198646-01 5ppm DFTPP	1	1	SOS76-15	10/14/05 09:45
2.	7M26875	WG198646-02 2.5ppm PAHL STD	1	1	SOS75-45-2	10/14/05 10:02
3.	7M26876	WG198583-02 LCS 10/13 EP0250P93 Remix*	7	1	SOIL	10/14/05 10:33
4.	7M26877	WG198583-02 LCS 10/13 EP0250P93 (No ISTD*	7	1	SOIL	10/14/05 10:59
5.	7M26878	CH2CL2 (with ISTD)*	1	1		10/14/05 11:25
6.	7M26879	WG198618-01 BLK 10/14 EP0249P79	1	1		10/14/05 11:51
7.	7M26880	WG198618-02 LCS 10/14 EP0249P79*	1	1		10/14/05 12:18
8.	7M26881	WG198618-02 LCS 10/14 EP0249P79 RR	1	1		10/14/05 12:44
9.	7M26882	WG198618-03 LCS DUP 10/14 EP0249P79	1	1		10/14/05 13:10
10.	7M26883	L0510221-01*	1	1		10/14/05 13:37
11.	7M26884	L0510221-02*	1	1		10/14/05 14:03
12.	7M26885	L0510221-03*	1	1		10/14/05 14:29
13.	7M26886	L0510259-04	1	1		10/14/05 14:55
14.	7M26887	L0510262-04	1	1		10/14/05 15:21
15.	7M26888	L0510253-01 10X	1	10		10/14/05 15:47
16.	7M26889	L0510262-02 SOIL*	7	1	SOIL	10/14/05 16:13
17.	7M26890	L0510262-01 SOIL*	7	1	SOIL	10/14/05 16:39
18.	7M26891	L0510259-02 SOIL 10X*	7	10	SOIL	10/14/05 17:05
19.	7M26892	L0510262-03 SOIL*	7	1	SOIL	10/14/05 17:32
20.	7M26893	L0510264-03 SOIL*	7	1	SOIL	10/14/05 17:58
21.	7M26894	L0510264-02 SOIL 100X*	7	100	SOIL	10/14/05 18:24
22.	7M26895	L0510264-02 SOIL 10X*	7	10	SOIL	10/14/05 18:50
23.	7M26896	L0510264-04 SOIL*	7	1	SOIL	10/14/05 19:17
24.	7M26897	L0510264-01 SOIL*	7	1	SOIL	10/14/05 19:43
25.	7M26898	BAKEOUT	1	1		10/14/05 20:09
26.	7M26899	BAKEOUT	1	1		10/14/05 20:35
27.	7M26900	BAKEOUT	1	1		10/14/05 21:02

Comments.
Changed Liner
3. IS 4,5 high, Not Reported
4. IS 4,5 present, Not Reported
5. ISTD's OK
7. Bad Injection, Needed RR
10. Rerun: L0510221-01 Reason: Over Calibration Range Needs 10X (#3,4,5)
11. Rerun: L0510221-02 Reason: Over Calibration Range Needs 10X (#3,4,5)
12. Rerun: L0510221-03 Reason: Over Calibration Range Needs 10X (#3,4,5)
16. Needs RE due to LCS
17. Needs RE due to LCS
18. Needs RE due to LCS
19. Needs RE due to LCS
20. Needs RE due to LCS
21. Not Needed

Approved: October 17, 2005

22. Needs RE due to LCS
23. Needs RE due to LCS
24. Needs RE due to LCS

Approved: October 17, 2005

Instrument: HPMS7 Dataset: 101805
Analyst 1: CLK Analyst 2: NA
Method: 8270L SOP: MSS03 Rev: 3

Internal Standard: SOS76-12 Surrogate Standard: NA
CCV: NA LCS: NA MS/MSD: NA

Column 1 ID: DB5-MS Column 2 ID: __

Seq.	File ID	Sample Info	Mat	Dil	Reference	Date/Time
1.	7M26924	ISTD CHK*	1	1		10/18/05 15:40
2.	7M26925	WG198895-01 5ppm DFTPP*	1	1	SOS76-15	10/18/05 16:11
3.	7M26926	WG198895-01 5ppm DFTPP	1	1	SOS76-15	10/18/05 16:26
4.	7M26927	WG198895-02 2.5ppm PAHL STD*	1	1	SOS75-45-2	10/18/05 16:42
5.	7M26928	WG198895-02 2.5ppm PAHL STD*	1	1	SOS75-45-2	10/18/05 17:08
6.	7M26929	WG198895-01 5ppm DFTPP	1	1	SOS76-15	10/18/05 17:33
7.	7M26930	WG198895-02 2.5ppm PAHL STD*	1	1	SOS75-45-2	10/18/05 17:50
8.	7M26931	WG198895-02 2.5ppm PAHL STD	1	1	SOS75-45-2	10/18/05 18:38
9.	7M26932	WG198895-03 10ppm PAHL STD	1	1	SOS75-44	10/18/05 19:11
10.	7M26933	WG198895-04 5ppm PAHL STD	1	1	SOS75-45-1	10/18/05 19:37
11.	7M26934	WG198895-05 1ppm PAHL STD	1	1	SOS75-45-3	10/18/05 20:03
12.	7M26935	WG198895-06 0.5ppm PAHL STD	1	1	SOS75-45-4	10/18/05 20:29
13.	7M26936	WG198895-07 0.1ppm PAHL STD	1	1	SOS75-45-5	10/18/05 20:56
14.	7M26937	WG198895-08 2.5ppm Alt Source PAHL STD	1	1	SOS74-21	10/18/05 21:22
15.	7M26938	WG198878-01 BLK 10/18 EP0249P101	1	1		10/18/05 21:48
16.	7M26939	WG198878-02 LCS 10/18 EP0249P101	1	1		10/18/05 22:14
17.	7M26940	WG198878-03 LCS DUP 10/18 EP0249P101	1	1		10/18/05 22:41
18.	7M26941	WG198876-01 BLK 10/18 EP0250P129	7	1	SOIL	10/18/05 23:07
19.	7M26942	WG198876-02 LCS 10/18 EP0250P129	7	1	SOIL	10/18/05 23:33
20.	7M26943	WG198876-03 LCS DUP 10/18 EP0250P129	7	1	SOIL	10/19/05 00:00
21.	7M26944	WG198681-01 BLK 10/14 EP0250P105 Remix	7	1	SOIL	10/19/05 00:26
22.	7M26945	WG198681-02 LCS 10/14 EP0250P105 Remix	7	1	SOIL	10/19/05 00:52
23.	7M26946	WG198681-03 LCS DUP 10/14 EP0250P105 Rem	7	1	SOIL	10/19/05 01:19
24.	7M26947	WG198909-01 5ppm DFTPP	1	1	SOS76-15	10/19/05 01:43
25.	7M26948	WG198909-02 2.5ppm PAHL STD	1	1	SOS75-45-2	10/19/05 01:59
26.	7M26949	L0510345-11	1	1		10/19/05 02:26
27.	7M26950	L0510325-06 SOIL RE	7	1		10/19/05 02:52
28.	7M26951	L0510345-02 SOIL	7	1	SOIL	10/19/05 03:18
29.	7M26952	L0510345-03 SOIL	7	1	SOIL	10/19/05 03:44
30.	7M26953	L0510345-05 SOIL	7	1	SOIL	10/19/05 04:10
31.	7M26954	L0510345-04 SOIL	7	1	SOIL	10/19/05 04:36
32.	7M26955	L0510345-07 SOIL	7	1	SOIL	10/19/05 05:02
33.	7M26956	L0510264-03 SOIL RE	7	1		10/19/05 05:28
34.	7M26957	L0510345-01 SOIL	7	1	SOIL	10/19/05 05:54
35.	7M26958	L0510259-01 SOIL RE	7	1		10/19/05 06:20
36.	7M26959	L0510259-02 SOIL RE 2X*	7	2		10/19/05 06:47
37.	7M26960	L0510259-02 SOIL RE 10X	7	10		10/19/05 07:13
38.	7M26961	L0510345-06 SOIL	7	1	SOIL	10/19/05 07:39
39.	7M26962	L0510255-01 SOIL RE 2X Remix	7	2	SOIL	10/19/05 08:05
40.	7M26963	L0510262-02 SOIL RE Remix	7	1	SOIL	10/19/05 08:31

Approved: October 19, 2005

Seq.	File ID	Sample Info	Mat	Dil	Reference	Date/Time
41.	7M26964	L0510262-01 SOIL RE Remix	7	1	SOIL	10/19/05 08:58
42.	7M26965	L0510262-03 SOIL RE Remix	7	1	SOIL	10/19/05 09:24
43.	7M26966	L0510325-03 SOIL RE	7	1		10/19/05 09:50
44.	7M26967	L0510345-10 SOIL	7	1	SOIL	10/19/05 10:16
45.	7M26968	L0510345-08 SOIL	7	1	SOIL	10/19/05 10:43
46.	7M26969	L0510345-09 SOIL 10X	7	10	SOIL	10/19/05 11:09
47.	7M26970	L0510264-04 SOIL RE	7	1		10/19/05 11:35
48.	7M26971	L0510264-01 SOIL RE 2X	7	2		10/19/05 12:01
49.	7M26972	L0510264-02 SOIL RE 10X*	7	10		10/19/05 12:27

Comments.
Changed Liner
1. Good
2. Bad Injection
4. Bad Injection
5. Bad Injection
7. Not Used
36. Rerun: L0510259-02 SOIL RE 2X Reason: Over Calibration Range Needed 10X (#12,14,16)
49. SS 1,2 high

Approved: October 19, 2005

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

Analytical Method: 8270C AAB#: WG198649

Login Number: L0510264

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
41-BG1-S-1012-05	10/12/05	10/13/05	10/13/05	14	0.988	10/14/05	40	1.27	
41-BG2-S-1012-05	10/12/05	10/13/05	10/13/05	14	0.974	10/14/05	40	1.24	
41-BF2-S-1012-05	10/12/05	10/13/05	10/13/05	14	0.905	10/14/05	40	1.20	
41-TS2-S-1012-05	10/12/05	10/13/05	10/13/05	14	0.894	10/14/05	40	1.26	

* EXT = SEE PROJECT QAPP REQUIREMENTS
*ANAL = SEE PROJECT QAPP REQUIREMENTS

KEMRON FORMS - Modified 11/05/2004
Version 1.5 PDF File ID: 338988
Report generated 10/19/2005 16:09

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

Analytical Method: 8270C AAB#: WG198899

Login Number: L0510264

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
41-BG1-S-1012-05	10/12/05	10/13/05	10/14/05	14	2.01	10/19/05	40	4.93	
41-BG2-S-1012-05	10/12/05	10/13/05	10/14/05	14	2.00	10/19/05	40	4.95	
41-BF2-S-1012-05	10/12/05	10/13/05	10/14/05	14	1.93	10/19/05	40	4.65	
41-TS2-S-1012-05	10/12/05	10/13/05	10/14/05	14	1.92	10/19/05	40	4.91	

* EXT = SEE PROJECT QAPP REQUIREMENTS
*ANAL = SEE PROJECT QAPP REQUIREMENTS

KEMRON FORMS - Modified 11/05/2004
Version 1.5 PDF File ID: 338988
Report generated 10/19/2005 16:09

KEMRON Environmental Services

SURROGATE STANDARDS

Login Number: L0510264
Instrument Id: HPMS7
Workgroup (AAB#): WG198649

Method: 8270L
CAL ID: HPMS7-05-OCT-05
Matrix: SOLID

Sample Number	Dilution	Tag	1	2	3
L0510264-01	1.00	01	103	98.3	70.0
L0510264-02	10.0	DL01	85.7	80.6	65.5
L0510264-03	1.00	01	70.7	67.9	83.5
L0510264-04	1.00	01	109	99.8	57.9
WG198583-01	1.00	01	71.2	78.8	85.2
WG198583-02	1.00	01	49.1	46.5	8.50
WG198583-03	1.00	01	69.0	72.0	79.9

Surrogates	Surrogate Limits		
1 - 2-Fluorobiphenyl	30	-	115
2 - Nitrobenzene-d5	23	-	120
3 - p-Terphenyl-d14	18	-	137

Underline = Result out of surrogate limits

DL = surrogate diluted out
ND = surrogate not detected

KEMRON FORMS - Modified 05/17/2005
Version 1.5 PDF File ID: 336868
Report generated 10/19/2005 16:14

KEMRON Environmental Services

SURROGATE STANDARDS

Login Number: L0510264
Instrument Id: HPMS7
Workgroup (AAB#): WG198899

Method: 8270L
CAL ID: HPMS7-18-OCT-05
Matrix: SOLID

Sample Number	Dilution	Tag	1	2	3
WG198681-02	1.00	01	61.1	66.1	89.8

Surrogates	Surrogate Limits		
1 - 2-Fluorobiphenyl	30	-	115
2 - Nitrobenzene-d5	23	-	120
3 - p-Terphenyl-d14	18	-	137

Underline = Result out of surrogate limits

DL = surrogate diluted out
ND = surrogate not detected

KEMRON FORMS - Modified 05/17/2005
Version 1.5 PDF File ID: 336868
Report generated 10/19/2005 16:14

KEMRON Environmental Services

SURROGATE STANDARDS

Login Number: L0510264
Instrument Id: HPMS7
Workgroup (AAB#): WG198899

Method: 8270L
CAL ID: HPMS7-18-OCT-05
Matrix: SOLID

Sample Number	Dilution	Tag	1	2	3
L0510264-01	2.00	REDL1	66.3	75.5	60.8
L0510264-02	10.0	REDL1	136	129	67.9
L0510264-03	1.00	RE1	70.8	81.8	89.7
L0510264-04	1.00	RE1	83.0	82.0	72.0
WG198681-01	1.00	01	65.0	71.1	94.5
WG198681-03	1.00	01	61.8	66.8	90.1

Surrogates	Surrogate Limits		
1 - 2-Fluorobiphenyl	30	-	115
2 - Nitrobenzene-d5	23	-	120
3 - p-Terphenyl-d14	18	-	137

Underline = Result out of surrogate limits

DL = surrogate diluted out
ND = surrogate not detected

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KEMRON Environmental Services

METHOD BLANK SUMMARY

Login Number: L0510264
Blank File ID: 7M26868
Date Analyzed: 10/13/05
Time Analyzed: 16:43
Analyst: CLK

Work Group: WG198649
Blank Sample ID: WG198583-01
Instrument ID: HPMS7
Method: 8270C

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG198583-02	7M26869	10/13/05 17:09	01
LCS2	WG198583-03	7M26870	10/13/05 17:35	01
41-BF2-S-1012-05	L0510264-03	7M26893	10/14/05 17:58	01
41-BG2-S-1012-05	L0510264-02	7M26895	10/14/05 18:50	DL01
41-TS2-S-1012-05	L0510264-04	7M26896	10/14/05 19:17	01
41-BG1-S-1012-05	L0510264-01	7M26897	10/14/05 19:43	01

KEMRON Environmental Services

METHOD BLANK SUMMARY

Login Number: L0510264
Blank File ID: 7M26944
Date Analyzed: 10/19/05
Time Analyzed: 00:26
Analyst: CLK

Work Group: WG198899
Blank Sample ID: WG198681-01
Instrument ID: HPMS7
Method: 8270C

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG198681-02	7M26945	10/19/05 00:52	01
LCS2	WG198681-03	7M26946	10/19/05 01:19	01
41-BF2-S-1012-05	L0510264-03	7M26956	10/19/05 05:28	RE1
41-TS2-S-1012-05	L0510264-04	7M26970	10/19/05 11:35	RE1
41-BG1-S-1012-05	L0510264-01	7M26971	10/19/05 12:01	REDL1
41-BG2-S-1012-05	L0510264-02	7M26972	10/19/05 12:27	REDL1

KEMRON Environmental Services

METHOD BLANK REPORT

Login Number: L0510264 Run Date: 10/13/2005 Sample ID: WG198583-01
Instrument ID: HPMS7 Run Time: 16:43 Prep Method: 3545
File ID: 7M26868 Analyst: CLK Method: 8270C
Workgroup (AAB#): WG198649 Matrix: Soil Units: ug/kg
Contract #: Cal ID: HPMS7-05-OCT-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Naphthalene	2.50	5.00	2.50	1	U
Acenaphthylene	2.50	5.00	2.50	1	U
Acenaphthene	2.50	5.00	2.50	1	U
Fluorene	2.50	5.00	2.50	1	U
Phenanthrene	2.50	5.00	2.50	1	U
Anthracene	2.50	5.00	2.50	1	U
Fluoranthene	2.50	5.00	2.50	1	U
Pyrene	2.50	5.00	2.50	1	U
Benzo(a)anthracene	2.50	5.00	2.50	1	U
Chrysene	2.50	5.00	2.50	1	U
Benzo(b)fluoranthene	2.50	5.00	2.50	1	U
Benzo(k)fluoranthene	2.50	5.00	2.50	1	U
Benzo(a)pyrene	2.50	5.00	2.50	1	U
Indeno(1,2,3-cd)pyrene	2.50	5.00	2.50	1	U
Dibenzo(a,h)anthracene	2.50	5.00	2.50	1	U
Benzo(g,h,i)perylene	2.50	5.00	2.50	1	U
1-Methylnaphthalene	2.50	5.00	2.50	1	U
2-Methylnaphthalene	2.50	5.00	2.50	1	U

Surrogates	% Recovery	Surrogate Limits			Qualifier
Nitrobenzene-d5	78.8	23	-	120	PASS
2-Fluorobiphenyl	71.2	30	-	115	PASS
p-Terphenyl-d14	85.2	18	-	137	PASS

MDL Method Detection Limit
RL Reporting/quantitation Limit
* Analyte concentration > RL
ND Analyte Not detected at or above reporting limit

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KEMRON Environmental Services

METHOD BLANK REPORT

Login Number: L0510264 Run Date: 10/19/2005 Sample ID: WG198681-01
Instrument ID: HPMS7 Run Time: 00:26 Prep Method: 3545
File ID: 7M26944 Analyst: CLK Method: 8270C
Workgroup (AAB#): WG198899 Matrix: Soil Units: ug/kg
Contract #: Cal ID: HPMS7-18-OCT-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Naphthalene	2.50	5.00	2.50	1	U
Acenaphthylene	2.50	5.00	2.50	1	U
Acenaphthene	2.50	5.00	2.50	1	U
Fluorene	2.50	5.00	2.50	1	U
Phenanthrene	2.50	5.00	2.50	1	U
Anthracene	2.50	5.00	2.50	1	U
Fluoranthene	2.50	5.00	2.50	1	U
Pyrene	2.50	5.00	2.50	1	U
Benzo(a)anthracene	2.50	5.00	2.50	1	U
Chrysene	2.50	5.00	2.50	1	U
Benzo(b)fluoranthene	2.50	5.00	2.50	1	U
Benzo(k)fluoranthene	2.50	5.00	2.50	1	U
Benzo(a)pyrene	2.50	5.00	2.50	1	U
Indeno(1,2,3-cd)pyrene	2.50	5.00	2.50	1	U
Dibenzo(a,h)anthracene	2.50	5.00	2.50	1	U
Benzo(g,h,i)perylene	2.50	5.00	4.49	1	J
1-Methylnaphthalene	2.50	5.00	2.50	1	U
2-Methylnaphthalene	2.50	5.00	2.50	1	U

Surrogates	% Recovery	Surrogate Limits			Qualifier
Nitrobenzene-d5	71.1	23	-	120	PASS
2-Fluorobiphenyl	65.0	30	-	115	PASS
p-Terphenyl-d14	94.5	18	-	137	PASS

MDL Method Detection Limit
RL Reporting/quantitation Limit
* Analyte concentration > RL
ND Analyte Not detected at or above reporting limit

KEMRON FORMS - Modified 05/17/2005
Version 1.5 PDF File ID: 336864
Report generated 10/19/2005 16:09

KEMRON Environmental Services

LABORATORY CONTROL SAMPLES

Login Number: L0510264 Analyst: CLK Prep Method: 3545
Instrument ID: HPMS7 Matrix: Soil Method: 8270C
Workgroup (AAB#): WG198649 Units: ug/kg
Sample ID: WG198583-02 LCS File ID: 7M26869 Run Date: 10/13/2005 17:09
Sample ID: WG198583-03 LCS2 File ID: 7M26870 Run Date: 10/13/2005 17:35

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Naphthalene	50.0	22.8	45.6	50.0	35.2	70.4	42.7	32 - 96	40	#
Acenaphthylene	50.0	23.6	47.3	50.0	36.9	73.8	43.8	33 - 96	40	#
Acenaphthene	50.0	22.9	45.8	50.0	35.0	69.9	41.6	38 - 89	40	#
Fluorene	50.0	23.4	46.8	50.0	36.6	73.3	44.0	36 - 95	40	#
Phenanthrene	50.0	18.7	37.4	50.0	37.6	75.1	67.0	35 - 102	40	#
Anthracene	50.0	18.7	37.3	50.0	39.2	78.5	71.1	32 - 102	40	#
Fluoranthene	50.0	23.6	47.2	50.0	44.0	88.0	60.3	45 - 126	40	#
Pyrene	50.0	4.25	8.50	50.0	42.0	84.0	163	36 - 128	40	*
Benzo(a)anthracene	50.0	4.64	9.28	50.0	44.2	88.3	162	53 - 134	40	*
Chrysene	50.0	4.51	9.01	50.0	42.0	84.0	161	50 - 138	40	*
Benzo(b)fluoranthene	50.0	4.46	8.92	50.0	43.5	87.0	163	46 - 148	40	*
Benzo(k)fluoranthene	50.0	4.33	8.66	50.0	41.1	82.1	162	47 - 139	40	*
Benzo(a)pyrene	50.0	4.40	8.80	50.0	42.0	83.9	162	52 - 134	40	*
Indeno(1,2,3-cd)pyrene	50.0	4.39	8.78	50.0	42.7	85.3	163	46 - 136	40	*
Dibenzo(a,h)anthracene	50.0	4.28	8.56	50.0	41.9	83.7	163	44 - 115	40	*
Benzo(g,h,i)perylene	50.0	4.60	9.19	50.0	44.4	88.7	162	48 - 126	40	*
1-Methylnaphthalene	50.0	22.3	44.6	50.0	35.1	70.2	44.8	34 - 90	40	#
2-Methylnaphthalene	50.0	22.7	45.3	50.0	34.9	69.9	42.7	33 - 99	40	#

Surogates	LCS	LCS2	Surrogate Limits	Qualifier
	% Recovery	% Recovery		
Nitrobenzene-d5	46.5	72.0	23 - 120	PASS
2-Fluorobiphenyl	49.1	69.0	30 - 115	PASS
p-Terphenyl-d14	8.50	79.9	18 - 137	FAIL

* FAILS %REC LIMIT

FAILS RPD LIMIT

KEMRON FORMS - Modified 01/03/2005
Version 1.5 PDF File ID: 336866
Report generated 10/19/2005 16:10

KEMRON Environmental Services

LABORATORY CONTROL SAMPLES

Login Number: L0510264 Analyst: CLK Prep Method: 3545
Instrument ID: HPMS7 Matrix: Soil Method: 8270C
Workgroup (AAB#): WG198899 Units: ug/kg
Sample ID: WG198681-02 LCS File ID: 7M26945 Run Date: 10/19/2005 00:52
Sample ID: WG198681-03 LCS2 File ID: 7M26946 Run Date: 10/19/2005 01:19

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Naphthalene	50.0	30.9	61.7	50.0	32.6	65.3	5.57	32 - 96	40	
Acenaphthylene	50.0	31.0	62.1	50.0	31.9	63.8	2.77	33 - 96	40	
Acenaphthene	50.0	30.5	61.1	50.0	31.7	63.5	3.86	38 - 89	40	
Fluorene	50.0	30.8	61.6	50.0	33.0	66.0	7.02	36 - 95	40	
Phenanthrene	50.0	32.4	64.8	50.0	36.6	73.3	12.3	35 - 102	40	
Anthracene	50.0	31.7	63.4	50.0	34.5	69.0	8.52	32 - 102	40	
Fluoranthene	50.0	39.5	79.0	50.0	48.0	96.1	19.5	45 - 126	40	
Pyrene	50.0	40.8	81.6	50.0	48.8	97.5	17.8	36 - 128	40	
Benzo(a)anthracene	50.0	48.2	96.5	50.0	49.6	99.2	2.84	53 - 134	40	
Chrysene	50.0	45.6	91.2	50.0	50.2	100	9.51	50 - 138	40	
Benzo(b)fluoranthene	50.0	48.5	97.1	50.0	52.3	105	7.45	46 - 148	40	
Benzo(k)fluoranthene	50.0	47.7	95.4	50.0	52.9	106	10.3	47 - 139	40	
Benzo(a)pyrene	50.0	46.3	92.7	50.0	51.0	102	9.68	52 - 134	40	
Indeno(1,2,3-cd)pyrene	50.0	47.2	94.3	50.0	50.7	101	7.16	46 - 136	40	
Dibenzo(a,h)anthracene	50.0	46.2	92.3	50.0	49.4	98.8	6.82	44 - 115	40	
Benzo(g,h,i)perylene	50.0	50.0	99.9	50.0	54.2	108	8.17	48 - 126	40	
1-Methylnaphthalene	50.0	31.5	63.0	50.0	35.7	71.5	12.7	34 - 90	40	
2-Methylnaphthalene	50.0	32.0	64.0	50.0	42.6	85.2	28.4	33 - 99	40	

Surogates	LCS	LCS2	Surrogate Limits	Qualifier
	% Recovery	% Recovery		
Nitrobenzene-d5	66.1	66.8	23 - 120	PASS
2-Fluorobiphenyl	61.1	61.8	30 - 115	PASS
p-Terphenyl-d14	89.8	90.1	18 - 137	PASS

* FAILS %REC LIMIT

\# FAILS RPD LIMIT

KEMRON FORMS - Modified 01/03/2005
Version 1.5 PDF File ID: 336866
Report generated 10/19/2005 16:10

KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK

DFTPP

Login Number: L0510264
Instrument: HPMS7
Analyst: CLK
Workgroup: WG197981

Tune ID: WG197981-01
Run Date: 10/05/2005
Run Time: 09:32
File ID: 7M26754
Cal ID: HPMS7-05-OCT-05

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
51.0	198	30.0	60.0	45.6	256376	PASS
68.0	69.0	0	2.00	0	0	PASS
69.0	198	0	100	43.0	241736	PASS
70.0	69.0	0	2.00	0.858	2073	PASS
127	198	40.0	60.0	48.9	274602	PASS
197	198	0	1.00	0	0	PASS
198	198	100	100	100	562069	PASS
199	198	5.00	9.00	6.83	38410	PASS
275	198	10.0	30.0	25.5	143421	PASS
365	198	1.00	100	2.83	15917	PASS
441	443	0.0100	100	75.1	61080	PASS
442	198	40.0	100	75.4	423872	PASS
443	442	17.0	23.0	19.2	81352	PASS

This check relates to the following samples, MS, MSD:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG197981-08	SSCV	01	10/05/2005 12:26	
WG197981-07	STD	01	10/05/2005 11:59	
WG197981-06	STD	01	10/05/2005 11:33	
WG197981-05	STD	01	10/05/2005 11:07	
WG197981-04	STD	01	10/05/2005 10:41	
WG197981-03	STD	01	10/05/2005 10:15	
WG197981-02	CCV	01	10/05/2005 09:49	

* Sample past 12 hour tune limit

KEMRON FORMS - Modified 10/10/2005
Version 1.3 PDF File ID: 339133
Report generated 10/19/2005 16:11

KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK

DFTPP

Login Number: L0510264
Instrument: HPMS7
Analyst: CLK
Workgroup: WG198895

Tune ID: WG198895-01
Run Date: 10/18/2005
Run Time: 17:33
File ID: 7M26929
Cal ID: HPMS7-18-OCT-05

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
51.0	198	30.0	60.0	43.9	179079	PASS
68.0	69.0	0	2.00	0	0	PASS
69.0	198	0	100	43.2	176119	PASS
70.0	69.0	0	2.00	0.659	1160	PASS
127	198	40.0	60.0	52.0	212032	PASS
197	198	0	1.00	0	0	PASS
198	198	100	100	100	407765	PASS
199	198	5.00	9.00	6.93	28274	PASS
275	198	10.0	30.0	25.2	102685	PASS
365	198	1.00	100	3.22	13147	PASS
441	443	0.0100	100	78.0	38029	PASS
442	198	40.0	100	61.7	251669	PASS
443	442	17.0	23.0	19.4	48754	PASS

This check relates to the following samples, MS, MSD:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG198895-08	SSCV	01	10/18/2005 21:22	
WG198895-07	STD	01	10/18/2005 20:56	
WG198895-06	STD	01	10/18/2005 20:29	
WG198895-05	STD	01	10/18/2005 20:03	
WG198895-04	STD	01	10/18/2005 19:37	
WG198895-03	STD	01	10/18/2005 19:11	
WG198895-02	CCV	01	10/18/2005 18:38	

* Sample past 12 hour tune limit

KEMRON FORMS - Modified 10/10/2005
Version 1.3 PDF File ID: 339133
Report generated 10/19/2005 16:11

KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK

DFTPP

Login Number: L0510264
Instrument: HPMS7
Analyst: CLK
Workgroup: WG198581

Tune ID: WG198581-01
Run Date: 10/13/2005
Run Time: 12:00
File ID: 7M26859
Cal ID: HPMS7 -05-OCT-05

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
51.0	198	30.0	60.0	44.6	254541	PASS
68.0	69.0	0	2.00	0	0	PASS
69.0	198	0	100	43.5	248064	PASS
70.0	69.0	0	2.00	0.288	715	PASS
127	198	40.0	60.0	48.0	273581	PASS
197	198	0	1.00	0	0	PASS
198	198	100	100	100	570455	PASS
199	198	5.00	9.00	6.57	37451	PASS
275	198	10.0	30.0	25.0	142827	PASS
365	198	1.00	100	2.98	17020	PASS
441	443	0.0100	100	75.3	58989	PASS
442	198	40.0	100	70.1	400170	PASS
443	442	17.0	23.0	19.6	78357	PASS

This check relates to the following samples, MS, MSD:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG198583-01	BLANK	01	10/13/2005 16:43	
WG198583-02	LCS	01	10/13/2005 17:09	
WG198583-03	LCS2	01	10/13/2005 17:35	

* Sample past 12 hour tune limit

KEMRON FORMS - Modified 10/10/2005
Version 1.3 PDF File ID: 339134
Report generated 10/19/2005 16:11

KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK

DFTPP

Login Number: L0510264
Instrument: HPMS7
Analyst: CLK
Workgroup: WG198646

Tune ID: WG198646-01
Run Date: 10/14/2005
Run Time: 09:45
File ID: 7M26874
Cal ID: HPMS7 -05-OCT-05

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
51.0	198	30.0	60.0	44.8	234646	PASS
68.0	69.0	0	2.00	0	0	PASS
69.0	198	0	100	43.4	227206	PASS
70.0	69.0	0	2.00	0.246	558	PASS
127	198	40.0	60.0	49.0	256455	PASS
197	198	0	1.00	0	0	PASS
198	198	100	100	100	523899	PASS
199	198	5.00	9.00	6.74	35310	PASS
275	198	10.0	30.0	23.9	125405	PASS
365	198	1.00	100	2.99	15659	PASS
441	443	0.0100	100	76.9	50656	PASS
442	198	40.0	100	67.4	353301	PASS
443	442	17.0	23.0	18.7	65914	PASS

This check relates to the following samples, MS, MSD:

Lab ID	Client ID	Tag	Date Analyzed	Q
L0510264-03	41-BF2-S-1012-05	01	10/14/2005 17:58	
L0510264-02	41-BG2-S-1012-05	DL01	10/14/2005 18:50	
L0510264-04	41-TS2-S-1012-05	01	10/14/2005 19:17	
L0510264-01	41-BG1-S-1012-05	01	10/14/2005 19:43	

* Sample past 12 hour tune limit

KEMRON FORMS - Modified 10/10/2005
Version 1.3 PDF File ID: 339134
Report generated 10/19/2005 16:11

KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK

DFTPP

Login Number: L0510264
Instrument: HPMS7
Analyst: CLK
Workgroup: WG198895

Tune ID: WG198895-01
Run Date: 10/18/2005
Run Time: 17:33
File ID: 7M26929
Cal ID: HPMS7 -18-OCT-05

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
51.0	198	30.0	60.0	43.9	179079	PASS
68.0	69.0	0	2.00	0	0	PASS
69.0	198	0	100	43.2	176119	PASS
70.0	69.0	0	2.00	0.659	1160	PASS
127	198	40.0	60.0	52.0	212032	PASS
197	198	0	1.00	0	0	PASS
198	198	100	100	100	407765	PASS
199	198	5.00	9.00	6.93	28274	PASS
275	198	10.0	30.0	25.2	102685	PASS
365	198	1.00	100	3.22	13147	PASS
441	443	0.0100	100	78.0	38029	PASS
442	198	40.0	100	61.7	251669	PASS
443	442	17.0	23.0	19.4	48754	PASS

This check relates to the following samples, MS, MSD:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG198681-01	BLANK	01	10/19/2005 00:26	
WG198681-02	LCS	01	10/19/2005 00:52	
WG198681-03	LCS2	01	10/19/2005 01:19	

* Sample past 12 hour tune limit

KEMRON FORMS - Modified 10/10/2005
Version 1.3 PDF File ID: 339134
Report generated 10/19/2005 16:11

KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK

DFTPP

Login Number: L0510264
Instrument: HPMS7
Analyst: CLK
Workgroup: WG198909

Tune ID: WG198909-01
Run Date: 10/19/2005
Run Time: 01:43
File ID: 7M26947
Cal ID: HPMS7 -18-OCT-05

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
51.0	198	30.0	60.0	44.8	178009	PASS
68.0	69.0	0	2.00	0	0	PASS
69.0	198	0	100	43.2	171550	PASS
70.0	69.0	0	2.00	0.206	354	PASS
127	198	40.0	60.0	51.5	204330	PASS
197	198	0	1.00	0	0	PASS
198	198	100	100	100	397034	PASS
199	198	5.00	9.00	6.85	27210	PASS
275	198	10.0	30.0	23.4	92984	PASS
365	198	1.00	100	3.09	12278	PASS
441	443	0.0100	100	73.7	32728	PASS
442	198	40.0	100	57.9	230058	PASS
443	442	17.0	23.0	19.3	44421	PASS

This check relates to the following samples, MS, MSD:

Lab ID	Client ID	Tag	Date Analyzed	Q
L0510264-03	41-BF2-S-1012-05	RE1	10/19/2005 05:28	
L0510264-04	41-TS2-S-1012-05	RE1	10/19/2005 11:35	
L0510264-01	41-BG1-S-1012-05	REDL1	10/19/2005 12:01	
L0510264-02	41-BG2-S-1012-05	REDL1	10/19/2005 12:27	

* Sample past 12 hour tune limit

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KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264

Analytical Method: 8270C

ICAL Workgroup: WG197981

Instrument ID: HPMS7

Initial Calibration Date: 05-OCT-05

Analyte		AVG RF	% RSD	R2	QUAD
Acenaphthene	CCC	1.268	4.88		
Benzo[a]pyrene	CCC	1.740	3.79		
Fluoranthene	CCC	1.376	9.16		
1-Methylnaphthalene		0.7045	5.54		
2-Methylnaphthalene		0.7167	4.36		
Acenaphthylene		2.073	7.65		
Anthracene		1.275	7.85		
Benzo[a]anthracene		1.299	5.59		
Benzo[b]fluoranthene		1.816	4.55		
Benzo[ghi]perylene		1.688	1.52		
Benzo[k]fluoranthene		1.775	5.80		
Chrysene		1.275	7.64		
Dibenz[ah]anthracene		1.686	2.26		
Fluorene		1.484	4.49		
Indeno[1,2,3-cd]pyrene		2.015	2.24		
Naphthalene		1.120	8.86		
Phenanthrene		1.295	8.76		
Pyrene		1.482	6.82		

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264

Analytical Method: 8270C

ICAL Workgroup: WG198895

Instrument ID: HPMS7

Initial Calibration Date: 18-OCT-05

Analyte		AVG RF	% RSD	R2	QUAD
Acenaphthene	CCC	1.295	3.18		
Benzo[a]pyrene	CCC	1.815	3.28		
Fluoranthene	CCC	1.386	2.44		
1-Methylnaphthalene		0.7186	1.39		
2-Methylnaphthalene		0.7267	3.77		
Acenaphthylene		2.113	4.71		
Anthracene		1.300	5.00		
Benzo[a]anthracene		1.328	2.49		
Benzo[b]fluoranthene		1.877	5.90		
Benzo[ghi]perylene		1.832	3.35		
Benzo[k]fluoranthene		1.809	3.70		
Chrysene		1.268	3.40		
Dibenz[ah]anthracene		1.867	5.69		
Fluorene		1.508	5.18		
Indeno[1,2,3-cd]pyrene		2.224	5.38		
Naphthalene		1.135	1.96		
Phenanthrene		1.317	2.08		
Pyrene		1.417	4.80		

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 **Instrument ID:** HPMS7

Analytical Method: 8270C **Initial Calibration Date:** 05-OCT-05

Analyte	WG197981-02			WG197981-03		
	CONC	RESP	RF	CONC	RESP	RF
Acenaphthene	2.50	1448170	1.319	10.0	5134627	1.161
Benzo[a]pyrene	2.50	2363799	1.793	10.0	8645598	1.636
Fluoranthene	2.50	2581765	1.432	10.0	8446467	1.146
1-Methylnaphthalene	2.50	1523665	0.7354	10.0	5372516	0.6417
2-Methylnaphthalene	2.50	1554535	0.7503	10.0	5534720	0.6611
Acenaphthylene	2.50	2433704	2.216	10.0	7906385	1.788
Anthracene	2.50	2464932	1.367	10.0	8195991	1.112
Benzo[a]anthracene	2.50	2370155	1.354	10.0	7874107	1.169
Benzo[b]fluoranthene	2.50	2482136	1.883	10.0	8793933	1.664
Benzo[ghi]perylene	2.50	2255095	1.711	10.0	8881347	1.681
Benzo[k]fluoranthene	2.50	2413400	1.831	10.0	8400355	1.590
Chrysene	2.50	2276197	1.301	10.0	7396072	1.098
Dibenz[ah]anthracene	2.50	2266180	1.719	10.0	8656238	1.638
Fluorene	2.50	1694782	1.543	10.0	6006213	1.358
Indeno[1,2,3-cd]pyrene	2.50	2702098	2.050	10.0	10257221	1.941
Naphthalene	2.50	2409619	1.163	10.0	7797452	0.9313
Phenanthrene	2.50	2395839	1.329	10.0	8016748	1.088
Pyrene	2.50	2674185	1.528	10.0	8741964	1.298

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 **Instrument ID:** HPMS7

Analytical Method: 8270C **Initial Calibration Date:** 05-OCT-05

Analyte	WG197981-04			WG197981-05		
	CONC	RESP	RF	CONC	RESP	RF
Acenaphthene	5.00	2763827	1.272	1.00	583408	1.334
Benzo[a]pyrene	5.00	4547172	1.725	1.00	930249	1.820
Fluoranthene	5.00	4774771	1.313	1.00	1036648	1.478
1-Methylnaphthalene	5.00	2908734	0.6944	1.00	603093	0.7374
2-Methylnaphthalene	5.00	2983656	0.7123	1.00	604245	0.7388
Acenaphthylene	5.00	4613807	2.124	1.00	964332	2.205
Anthracene	5.00	4642709	1.277	1.00	967330	1.380
Benzo[a]anthracene	5.00	4431431	1.278	1.00	937698	1.351
Benzo[b]fluoranthene	5.00	4772853	1.811	1.00	962577	1.883
Benzo[ghi]perylene	5.00	4453546	1.690	1.00	879521	1.721
Benzo[k]fluoranthene	5.00	4533082	1.720	1.00	952079	1.863
Chrysene	5.00	4273779	1.233	1.00	910518	1.312
Dibenz[ah]anthracene	5.00	4448770	1.688	1.00	887756	1.737
Fluorene	5.00	3282663	1.511	1.00	665599	1.522
Indeno[1,2,3-cd]pyrene	5.00	5257574	1.995	1.00	1053352	2.061
Naphthalene	5.00	4556750	1.088	1.00	960166	1.174
Phenanthrene	5.00	4528010	1.245	1.00	959676	1.369
Pyrene	5.00	4990228	1.440	1.00	1077878	1.553

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 Instrument ID: HPMS7

Analytical Method: 8270C Initial Calibration Date: 05-OCT-05

Analyte	WG197981-06			WG197981-07		
	CONC	RESP	RF	CONC	RESP	RF
Acenaphthene	0.500	278489	1.243	0.100	55094	1.281
Benzo[a]pyrene	0.500	457470	1.758	0.100	86237	1.707
Fluoranthene	0.500	509690	1.443	0.100	98292	1.442
1-Methylnaphthalene	0.500	301213	0.7364	0.100	54953	0.6816
2-Methylnaphthalene	0.500	297539	0.7274	0.100	57252	0.7102
Acenaphthylene	0.500	468103	2.090	0.100	86610	2.014
Anthracene	0.500	458240	1.298	0.100	82860	1.216
Benzo[a]anthracene	0.500	448932	1.287	0.100	92873	1.355
Benzo[b]fluoranthene	0.500	468023	1.799	0.100	93846	1.857
Benzo[ghi]perylene	0.500	436735	1.678	0.100	83314	1.649
Benzo[k]fluoranthene	0.500	473630	1.820	0.100	92309	1.827
Chrysene	0.500	472382	1.354	0.100	92792	1.354
Dibenz[ah]anthracene	0.500	437864	1.683	0.100	83388	1.650
Fluorene	0.500	336411	1.502	0.100	63063	1.466
Indeno[1,2,3-cd]pyrene	0.500	520385	2.000	0.100	103172	2.042
Naphthalene	0.500	478140	1.169	0.100	96205	1.193
Phenanthrene	0.500	477554	1.352	0.100	94761	1.390
Pyrene	0.500	523884	1.501	0.100	107642	1.571

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 **Instrument ID:** HPMS7

Analytical Method: 8270C **Initial Calibration Date:** 18-OCT-05

Analyte	WG198895-02			WG198895-03		
	CONC	RESP	RF	CONC	RESP	RF
Acenaphthene	2.50	835483	1.299	10.0	3412244	1.341
Benzo[a]pyrene	2.50	1566343	1.835	10.0	6375251	1.897
Fluoranthene	2.50	1500862	1.425	10.0	5835659	1.364
1-Methylnaphthalene	2.50	898831	0.7209	10.0	3582617	0.7200
2-Methylnaphthalene	2.50	929264	0.7453	10.0	3690121	0.7416
Acenaphthylene	2.50	1416226	2.201	10.0	5520591	2.169
Anthracene	2.50	1415442	1.344	10.0	5629429	1.316
Benzo[a]anthracene	2.50	1483873	1.345	10.0	5987916	1.273
Benzo[b]fluoranthene	2.50	1679485	1.967	10.0	6665419	1.983
Benzo[ghi]perylene	2.50	1566771	1.835	10.0	6427699	1.913
Benzo[k]fluoranthene	2.50	1539993	1.804	10.0	6382957	1.899
Chrysene	2.50	1425098	1.292	10.0	5596108	1.190
Dibenz[ah]anthracene	2.50	1593145	1.866	10.0	6862396	2.042
Fluorene	2.50	995080	1.547	10.0	4042568	1.588
Indeno[1,2,3-cd]pyrene	2.50	1911398	2.239	10.0	8092825	2.408
Naphthalene	2.50	1429619	1.147	10.0	5445103	1.094
Phenanthrene	2.50	1410401	1.339	10.0	5534912	1.294
Pyrene	2.50	1556868	1.411	10.0	6083146	1.293

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 **Instrument ID:** HPMS7

Analytical Method: 8270C **Initial Calibration Date:** 18-OCT-05

Analyte	WG198895-04			WG198895-05		
	CONC	RESP	RF	CONC	RESP	RF
Acenaphthene	5.00	1644783	1.320	1.00	305180	1.237
Benzo[a]pyrene	5.00	3037221	1.865	1.00	561875	1.746
Fluoranthene	5.00	2923735	1.431	1.00	544332	1.365
1-Methylnaphthalene	5.00	1756314	0.7293	1.00	327108	0.7000
2-Methylnaphthalene	5.00	1805467	0.7497	1.00	340579	0.7288
Acenaphthylene	5.00	2759953	2.214	1.00	511434	2.072
Anthracene	5.00	2805509	1.373	1.00	520277	1.305
Benzo[a]anthracene	5.00	2922448	1.355	1.00	536079	1.342
Benzo[b]fluoranthene	5.00	3205870	1.969	1.00	566902	1.761
Benzo[ghi]perylene	5.00	3014598	1.851	1.00	559807	1.739
Benzo[k]fluoranthene	5.00	3023000	1.857	1.00	586017	1.821
Chrysene	5.00	2715192	1.259	1.00	509045	1.274
Dibenz[ah]anthracene	5.00	3149191	1.934	1.00	565490	1.757
Fluorene	5.00	1973438	1.583	1.00	365180	1.480
Indeno[1,2,3-cd]pyrene	5.00	3769956	2.315	1.00	685317	2.129
Naphthalene	5.00	2761740	1.147	1.00	525735	1.125
Phenanthrene	5.00	2770951	1.356	1.00	511710	1.284
Pyrene	5.00	3044542	1.412	1.00	573627	1.436

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 Instrument ID: HPMS7

Analytical Method: 8270C Initial Calibration Date: 18-OCT-05

Analyte	WG198895-06			WG198895-07		
	CONC	RESP	RF	CONC	RESP	RF
Acenaphthene	0.500	149789	1.253	0.100	30180	1.319
Benzo[a]pyrene	0.500	271057	1.769	0.100	52370	1.781
Fluoranthene	0.500	261906	1.352	0.100	51423	1.376
1-Methylnaphthalene	0.500	162852	0.7172	0.100	32302	0.7241
2-Methylnaphthalene	0.500	163136	0.7185	0.100	30152	0.6760
Acenaphthylene	0.500	247103	2.067	0.100	44756	1.956
Anthracene	0.500	247252	1.276	0.100	44325	1.186
Benzo[a]anthracene	0.500	248569	1.303	0.100	49251	1.352
Benzo[b]fluoranthene	0.500	282879	1.846	0.100	51134	1.739
Benzo[ghi]perylene	0.500	273802	1.787	0.100	54940	1.868
Benzo[k]fluoranthene	0.500	270243	1.763	0.100	50309	1.711
Chrysene	0.500	242758	1.273	0.100	47987	1.318
Dibenz[ah]anthracene	0.500	273018	1.782	0.100	53609	1.823
Fluorene	0.500	174413	1.459	0.100	31819	1.391
Indeno[1,2,3-cd]pyrene	0.500	328983	2.147	0.100	61921	2.105
Naphthalene	0.500	260206	1.146	0.100	51429	1.153
Phenanthrene	0.500	255297	1.318	0.100	48938	1.309
Pyrene	0.500	278802	1.462	0.100	54289	1.491

KEMRON Environmental Services

ALTERNATE SOURCE CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/05/2005 Sample ID: WG197981-08
Instrument ID: HPMS7 Run Time: 12:26 Method: 8270C
File ID: 7M26761 Analyst: CLK
ICal Workgroup: WG197981 Cal ID: HPMS7 - 05-OCT-05

Analyte		Expected	Found	RF	%D	UNITS	Q
Acenaphthene	CCC	2.5	2.55	1.29	2	ug/mL	
Fluoranthene	CCC	2.5	2.51	1.38	.3	ug/mL	
Benzo[a]pyrene	CCC	2.5	2.59	1.80	3.5	ug/mL	
Naphthalene		2.5	2.54	1.14	1.6	ug/mL	
Acenaphthylene		2.5	2.67	2.21	6.8	ug/mL	
Fluorene		2.5	2.59	1.54	3.5	ug/mL	
Phenanthrene		2.5	2.52	1.31	.9	ug/mL	
Anthracene		2.5	2.66	1.35	6.2	ug/mL	
Pyrene		2.5	2.57	1.52	2.6	ug/mL	
Benzo[a]anthracene		2.5	2.53	1.31	1.1	ug/mL	
Chrysene		2.5	2.61	1.33	4.2	ug/mL	
Benzo[b]fluoranthene		2.5	2.67	1.94	6.8	ug/mL	
Benzo[k]fluoranthene		2.5	2.52	1.79	.9	ug/mL	
Indeno[1,2,3-cd]pyrene		2.5	2.51	2.03	.5	ug/mL	
Dibenz[ah]anthracene		2.5	2.51	1.69	.4	ug/mL	
Benzo[ghi]perylene		2.5	2.56	1.73	2.5	ug/mL	
1-Methylnaphthalene		2.5	2.65	0.746	5.9	ug/mL	
2-Methylnaphthalene		2.5	2.64	0.756	5.5	ug/mL	

* Exceeds %D Limit

CCC Calibration Check Compounds
SPCC System Performance Check Compounds

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KEMRON Environmental Services

ALTERNATE SOURCE CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/18/2005 Sample ID: WG198895-08
Instrument ID: HPMS7 Run Time: 21:22 Method: 8270C
File ID: 7M26937 Analyst: CLK
ICal Workgroup: WG198895 Cal ID: HPMS7 - 18-OCT-05

Analyte		Expected	Found	RF	%D	UNITS	Q
Acenaphthene	CCC	2.5	2.56	1.33	2.4	ug/mL	
Fluoranthene	CCC	2.5	2.50	1.39	0	ug/mL	
Benzo[a]pyrene	CCC	2.5	2.56	1.86	2.3	ug/mL	
Naphthalene		2.5	2.50	1.14	0	ug/mL	
Acenaphthylene		2.5	2.63	2.22	5.3	ug/mL	
Fluorene		2.5	2.58	1.56	3.4	ug/mL	
Phenanthrene		2.5	2.52	1.33	.8	ug/mL	
Anthracene		2.5	2.61	1.36	4.5	ug/mL	
Pyrene		2.5	2.58	1.46	3.2	ug/mL	
Benzo[a]anthracene		2.5	2.52	1.34	.9	ug/mL	
Chrysene		2.5	2.56	1.30	2.6	ug/mL	
Benzo[b]fluoranthene		2.5	2.46	1.84	1.8	ug/mL	
Benzo[k]fluoranthene		2.5	2.68	1.94	7.1	ug/mL	
Indeno[1,2,3-cd]pyrene		2.5	2.50	2.22	0	ug/mL	
Dibenz[ah]anthracene		2.5	2.48	1.85	1	ug/mL	
Benzo[ghi]perylene		2.5	2.53	1.85	1.1	ug/mL	
1-Methylnaphthalene		2.5	2.63	0.755	5.1	ug/mL	
2-Methylnaphthalene		2.5	2.64	0.769	5.8	ug/mL	

* Exceeds %D Limit

CCC Calibration Check Compounds
SPCC System Performance Check Compounds

KEMRON FORMS - Modified 10/07/2005
Version 1.5 PDF File ID: 339132
Report generated 10/19/2005 16:11

KEMRON Environmental Services

CONTINUING CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/13/2005 Sample ID: WG198581-02
Instrument ID: HPMS7 Run Time: 12:16 Method: 8270C
File ID: 7M26860 Analyst: CLK
Workgroup (AAB#): WG198649 Cal ID: HPMS7 - 05-OCT-05

Analyte		Expected	Found	RF	%D	UNITS	Q
Acenaphthene	CCC	2.5	2.57	1.30	2.8	ug/mL	
Fluoranthene	CCC	2.5	2.66	1.46	6.5	ug/mL	
Benzo[a]pyrene	CCC	2.5	2.63	1.83	5.4	ug/mL	
Naphthalene		2.5	2.61	1.17	4.2	ug/mL	
Acenaphthylene		2.5	2.69	2.23	7.6	ug/mL	
Fluorene		2.5	2.63	1.56	5.2	ug/mL	
Phenanthrene		2.5	2.62	1.36	4.7	ug/mL	
Anthracene		2.5	2.71	1.38	8.3	ug/mL	
Pyrene		2.5	2.48	1.47	.7	ug/mL	
Benzo[a]anthracene		2.5	2.60	1.35	3.9	ug/mL	
Chrysene		2.5	2.54	1.30	1.7	ug/mL	
Benzo[b]fluoranthene		2.5	2.61	1.90	4.4	ug/mL	
Benzo[k]fluoranthene		2.5	2.66	1.89	6.5	ug/mL	
Indeno[1,2,3-cd]pyrene		2.5	2.66	2.15	6.6	ug/mL	
Dibenz[ah]anthracene		2.5	2.67	1.80	6.8	ug/mL	
Benzo[ghi]perylene		2.5	2.63	1.78	5.2	ug/mL	
1-Methylnaphthalene		2.5	2.64	0.743	5.5	ug/mL	
2-Methylnaphthalene		2.5	2.63	0.753	5	ug/mL	

* Exceeds %D Limit

CCC Calibration Check Compounds
SPCC System Performance Check Compounds

KEMRON FORMS - Modified 03/21/2005
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KEMRON Environmental Services

CONTINUING CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/14/2005 Sample ID: WG198646-02
Instrument ID: HPMS7 Run Time: 10:02 Method: 8270C
File ID: 7M26875 Analyst: CLK
Workgroup (AAB#): WG198649 Cal ID: HPMS7 - 05-OCT-05

Analyte		Expected	Found	RF	%D	UNITS	Q
Acenaphthene	CCC	2.5	2.59	1.31	3.6	ug/mL	
Fluoranthene	CCC	2.5	2.63	1.45	5.1	ug/mL	
Benzo[a]pyrene	CCC	2.5	2.61	1.82	4.5	ug/mL	
Naphthalene		2.5	2.61	1.17	4.6	ug/mL	
Acenaphthylene		2.5	2.72	2.26	8.9	ug/mL	
Fluorene		2.5	2.64	1.56	5.4	ug/mL	
Phenanthrene		2.5	2.57	1.33	2.6	ug/mL	
Anthracene		2.5	2.70	1.38	8	ug/mL	
Pyrene		2.5	2.54	1.51	1.7	ug/mL	
Benzo[a]anthracene		2.5	2.73	1.42	9.1	ug/mL	
Chrysene		2.5	2.61	1.33	4.3	ug/mL	
Benzo[b]fluoranthene		2.5	2.76	2.01	10.5	ug/mL	
Benzo[k]fluoranthene		2.5	2.50	1.77	0	ug/mL	
Indeno[1,2,3-cd]pyrene		2.5	2.68	2.16	7.2	ug/mL	
Dibenz[ah]anthracene		2.5	2.70	1.82	8.1	ug/mL	
Benzo[ghi]perylene		2.5	2.64	1.78	5.5	ug/mL	
1-Methylnaphthalene		2.5	2.62	0.739	4.9	ug/mL	
2-Methylnaphthalene		2.5	2.64	0.756	5.4	ug/mL	

* Exceeds %D Limit

CCC Calibration Check Compounds
SPCC System Performance Check Compounds

KEMRON FORMS - Modified 03/21/2005
Version 1.3 PDF File ID: 339135
Report generated 10/19/2005 16:11

KEMRON Environmental Services

CONTINUING CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/19/2005 Sample ID: WG198909-02
Instrument ID: HPMS7 Run Time: 01:59 Method: 8270C
File ID: 7M26948 Analyst: CLK
Workgroup (AAB#): WG198899 Cal ID: HPMS7 - 18-OCT-05

Analyte		Expected	Found	RF	%D	UNITS	Q
Acenaphthene	CCC	2.5	2.54	1.31	1.4	ug/mL	
Fluoranthene	CCC	2.5	2.58	1.43	3.1	ug/mL	
Benzo[a]pyrene	CCC	2.5	2.51	1.83	.5	ug/mL	
Naphthalene		2.5	2.53	1.15	1.1	ug/mL	
Acenaphthylene		2.5	2.59	2.19	3.6	ug/mL	
Fluorene		2.5	2.54	1.53	1.8	ug/mL	
Phenanthrene		2.5	2.57	1.35	2.8	ug/mL	
Anthracene		2.5	2.64	1.37	5.5	ug/mL	
Pyrene		2.5	2.44	1.38	2.5	ug/mL	
Benzo[a]anthracene		2.5	2.59	1.38	3.8	ug/mL	
Chrysene		2.5	2.54	1.29	1.6	ug/mL	
Benzo[b]fluoranthene		2.5	2.63	1.97	5	ug/mL	
Benzo[k]fluoranthene		2.5	2.53	1.83	1.3	ug/mL	
Indeno[1,2,3-cd]pyrene		2.5	2.54	2.26	1.5	ug/mL	
Dibenz[ah]anthracene		2.5	2.53	1.89	1.2	ug/mL	
Benzo[ghi]perylene		2.5	2.50	1.83	.1	ug/mL	
1-Methylnaphthalene		2.5	2.55	0.734	2.1	ug/mL	
2-Methylnaphthalene		2.5	2.60	0.757	4.1	ug/mL	

* Exceeds %D Limit

CCC Calibration Check Compounds
SPCC System Performance Check Compounds

KEMRON FORMS - Modified 03/21/2005
Version 1.3 PDF File ID: 339135
Report generated 10/19/2005 16:11

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD AREA SUMMARY
(COMPARED TO CCV)

Login Number: L0510264
Instrument ID: HPMS7
Workgroup (AAB#): WG198649

CCV Number: WG198581-02
CAL ID: HPMS7-05-OCT-05
Matrix: SOLID

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3	IS-4	IS-5
WG198581-02	NA	NA	425755	709128	801352	530197	685212
Upper Limit	NA	NA	851510	1418256	1602704	1060394	1370424
Lower Limit	NA	NA	212878	354564	400676	265099	342606
WG198583-01	1.00	01	365476	632933	701867	458081	592620
WG198583-02	1.00	01	370224	4243659	705292	3358282	787766
WG198583-03	1.00	01	354537	584291	682200	456798	571772

IS-1 - Acenaphthene-d10
IS-2 - Chrysene-d12
IS-3 - Naphthalene-d8
IS-4 - Perylene-d12
IS-5 - Phenanthrene-d10

Underline = Response outside limits

KEMRON FORMS - Modified 06/28/2004
Version 1.3 PDF File ID: 336867
Report generated 10/19/2005 16:11

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD AREA SUMMARY
(COMPARED TO CCV)

Login Number: L0510264
Instrument ID: HPMS7
Workgroup (AAB#): WG198649

CCV Number: WG198646-02
CAL ID: HPMS7-05-OCT-05
Matrix: SOLID

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3	IS-4	IS-5
WG198646-02	NA	NA	379681	617147	713225	481006	622195
Upper Limit	NA	NA	759362	1234294	1426450	962012	1244390
Lower Limit	NA	NA	189841	308574	356613	240503	311098
L0510264-01	1.00	01	287228	501098	549579	388877	473316
L0510264-02	10.0	DL01	269028	405513	509409	314040	429065
L0510264-03	1.00	01	267555	395306	515768	321021	424692
L0510264-04	1.00	01	281974	469418	558057	369449	464707

IS-1 - Acenaphthene-d10
IS-2 - Chrysene-d12
IS-3 - Naphthalene-d8
IS-4 - Perylene-d12
IS-5 - Phenanthrene-d10

Underline = Response outside limits

KEMRON FORMS - Modified 06/28/2004
Version 1.3 PDF File ID: 336867
Report generated 10/19/2005 16:11

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD AREA SUMMARY
(COMPARED TO CCV)

Login Number: L0510264
Instrument ID: HPMS7
Workgroup (AAB#): WG198899

CCV Number: WG198895-02
CAL ID: HPMS7-18-OCT-05
Matrix: SOLID

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3	IS-4	IS-5
WG198895-02	NA	NA	257350	441296	498716	341517	421355
Upper Limit	NA	NA	514700	882592	997432	683034	842710
Lower Limit	NA	NA	128675	220648	249358	170759	210678
WG198681-02	1.00	01	235493	389722	443649	311067	376197

IS-1 - Acenaphthene-d10
IS-2 - Chrysene-d12
IS-3 - Naphthalene-d8
IS-4 - Perylene-d12
IS-5 - Phenanthrene-d10

Underline = Response outside limits

KEMRON FORMS - Modified 06/28/2004
Version 1.3 PDF File ID: 336867
Report generated 10/19/2005 16:11

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD AREA SUMMARY
(COMPARED TO CCV)

Login Number: L0510264
Instrument ID: HPMS7
Workgroup (AAB#): WG198899

CCV Number: WG198895-02
CAL ID: HPMS7-18-OCT-05
Matrix: SOLID

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3	IS-4	IS-5
WG198895-02	NA	NA	257350	441296	498716	341517	421355
Upper Limit	NA	NA	514700	882592	997432	683034	842710
Lower Limit	NA	NA	128675	220648	249358	170759	210678
WG198681-01	1.00	01	233141	381110	443978	302000	364579
WG198681-03	1.00	01	237146	401090	456022	314981	377838

IS-1 - Acenaphthene-d10
IS-2 - Chrysene-d12
IS-3 - Naphthalene-d8
IS-4 - Perylene-d12
IS-5 - Phenanthrene-d10

Underline = Response outside limits

KEMRON FORMS - Modified 06/28/2004
Version 1.3 PDF File ID: 336867
Report generated 10/19/2005 16:11

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD AREA SUMMARY
(COMPARED TO CCV)

Login Number: L0510264
Instrument ID: HPMS7
Workgroup (AAB#): WG198899

CCV Number: WG198909-02
CAL ID: HPMS7-18-OCT-05
Matrix: SOLID

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3	IS-4	IS-5
WG198909-02	NA	NA	237753	401715	449186	313937	388505
Upper Limit	NA	NA	475506	803430	898372	627874	777010
Lower Limit	NA	NA	118877	200858	224593	156969	194253
L0510264-01	2.00	REDL1	232332	481856	450991	392891	398279
L0510264-02	10.0	REDL1	219947	467398	425125	352057	373884
L0510264-03	1.00	RE1	229287	391561	444540	342515	381275
L0510264-04	1.00	RE1	226892	485056	440412	380461	389081

IS-1 - Acenaphthene-d10
IS-2 - Chrysene-d12
IS-3 - Naphthalene-d8
IS-4 - Perylene-d12
IS-5 - Phenanthrene-d10

Underline = Response outside limits

KEMRON FORMS - Modified 06/28/2004
Version 1.3 PDF File ID: 336867
Report generated 10/19/2005 16:11

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD RETENTION TIME SUMMARY
(COMPARED TO CCV)

Login Number: L0510264
Instrument ID: HPMS7
Workgroup (AAB#): WG198649

CCV Number: WG198581-02
CAL ID: HPMS7-05-OCT-05
Matrix: SOLID

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3	IS-4	IS-5
WG198581-02	NA	NA	8.05	13.29	5.87	15.43	9.94
Upper Limit	NA	NA	8.55	13.79	6.37	15.93	10.44
Lower Limit	NA	NA	7.55	12.79	5.37	14.93	9.44
WG198583-01	1.00	01	8.06	13.3	5.88	15.45	9.94
WG198583-02	1.00	01	8.05	13.3	5.88	15.44	9.94
WG198583-03	1.00	01	8.05	13.3	5.87	15.44	9.94

IS-1 - Acenaphthene-d10
IS-2 - Chrysene-d12
IS-3 - Naphthalene-d8
IS-4 - Perylene-d12
IS-5 - Phenanthrene-d10

Underline = Response outside limits

KEMRON FORMS - Modified 09/14/2004
Version 1.3 PDF File ID: 339150
Report generated 10/19/2005 16:14

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD RETENTION TIME SUMMARY
(COMPARED TO CCV)

Login Number: L0510264
Instrument ID: HPMS7
Workgroup (AAB#): WG198649

CCV Number: WG198646-02
CAL ID: HPMS7-05-OCT-05
Matrix: SOLID

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3	IS-4	IS-5
WG198646-02	NA	NA	8.05	13.29	5.88	15.44	9.94
Upper Limit	NA	NA	8.55	13.79	6.38	15.94	10.44
Lower Limit	NA	NA	7.55	12.79	5.38	14.94	9.44
L0510264-01	1.00	01	8.05	13.3	5.87	15.45	9.94
L0510264-02	10.0	DL01	8.05	13.29	5.87	15.43	9.93
L0510264-03	1.00	01	8.05	13.29	5.87	15.44	9.94
L0510264-04	1.00	01	8.05	13.29	5.87	15.44	9.94

IS-1 - Acenaphthene-d10
IS-2 - Chrysene-d12
IS-3 - Naphthalene-d8
IS-4 - Perylene-d12
IS-5 - Phenanthrene-d10

Underline = Response outside limits

KEMRON FORMS - Modified 09/14/2004
Version 1.3 PDF File ID: 339150
Report generated 10/19/2005 16:14

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD RETENTION TIME SUMMARY
(COMPARED TO CCV)

Login Number: L0510264
Instrument ID: HPMS7
Workgroup (AAB#): WG198899

CCV Number: WG198895-02
CAL ID: HPMS7-18-OCT-05
Matrix: SOLID

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3	IS-4	IS-5
WG198895-02	NA	NA	8.03	13.27	5.84	15.39	9.91
Upper Limit	NA	NA	8.53	13.77	6.34	15.89	10.41
Lower Limit	NA	NA	7.53	12.77	5.34	14.89	9.41
WG198681-02	1.00	01	8.02	13.26	5.84	15.39	9.91

IS-1 - Acenaphthene-d10
IS-2 - Chrysene-d12
IS-3 - Naphthalene-d8
IS-4 - Perylene-d12
IS-5 - Phenanthrene-d10

Underline = Response outside limits

KEMRON FORMS - Modified 09/14/2004
Version 1.3 PDF File ID: 339150
Report generated 10/19/2005 16:14

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD RETENTION TIME SUMMARY
(COMPARED TO CCV)

Login Number: L0510264
Instrument ID: HPMS7
Workgroup (AAB#): WG198899

CCV Number: WG198895-02
CAL ID: HPMS7-18-OCT-05
Matrix: SOLID

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3	IS-4	IS-5
WG198895-02	NA	NA	8.03	13.27	5.84	15.39	9.91
Upper Limit	NA	NA	8.53	13.77	6.34	15.89	10.41
Lower Limit	NA	NA	7.53	12.77	5.34	14.89	9.41
WG198681-01	1.00	01	8.02	13.26	5.84	15.39	9.91
WG198681-03	1.00	01	8.02	13.26	5.84	15.39	9.91

IS-1 - Acenaphthene-d10
IS-2 - Chrysene-d12
IS-3 - Naphthalene-d8
IS-4 - Perylene-d12
IS-5 - Phenanthrene-d10

Underline = Response outside limits

KEMRON FORMS - Modified 09/14/2004
Version 1.3 PDF File ID: 339150
Report generated 10/19/2005 16:14

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD RETENTION TIME SUMMARY
(COMPARED TO CCV)

Login Number: L0510264
Instrument ID: HPMS7
Workgroup (AAB#): WG198899

CCV Number: WG198909-02
CAL ID: HPMS7-18-OCT-05
Matrix: SOLID

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3	IS-4	IS-5
WG198909-02	NA	NA	8.02	13.26	5.84	15.39	9.91
Upper Limit	NA	NA	8.52	13.76	6.34	15.89	10.41
Lower Limit	NA	NA	7.52	12.76	5.34	14.89	9.41
L0510264-01	2.00	REDL1	8.02	13.27	5.85	15.4	9.92
L0510264-02	10.0	REDL1	8.03	13.27	5.84	15.41	9.91
L0510264-03	1.00	RE1	8.02	13.26	5.85	15.39	9.91
L0510264-04	1.00	RE1	8.02	13.27	5.85	15.4	9.91

IS-1 - Acenaphthene-d10
IS-2 - Chrysene-d12
IS-3 - Naphthalene-d8
IS-4 - Perylene-d12
IS-5 - Phenanthrene-d10

Underline = Response outside limits

KEMRON FORMS - Modified 09/14/2004
Version 1.3 PDF File ID: 339150
Report generated 10/19/2005 16:14

2.2.2.2 Sample Data

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\101405\7M26897.D Vial: 23
Acq On : 14 Oct 2005 19:43 Operator: CLK
Sample : L0510264-01 SOIL Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 12:41:15 2005 Quant Results File: PAH1005.RES

Quant Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Mon Oct 17 10:42:25 2005
Response via : Initial Calibration
DataAcq Meth : PAHL

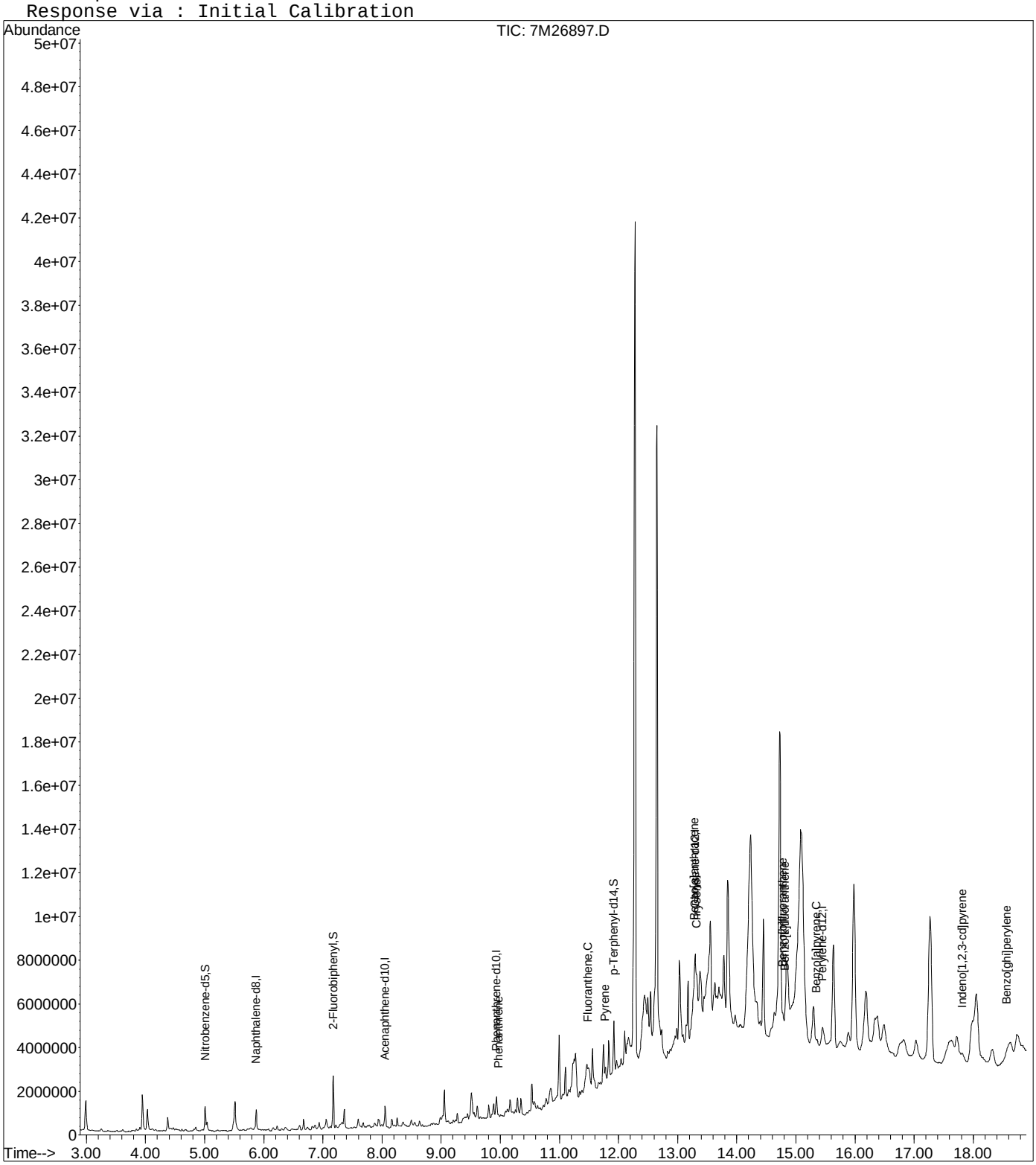
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Naphthalene-d8	5.87	136	549579	1.00 ug/ml	0.00
6) Acenaphthene-d10	8.05	164	287228	1.00 ug/ml	0.00
11) Phenanthrene-d10	9.94	188	473316	1.00 ug/ml	0.00
15) Chrysene-d12	13.30	240	501098	1.00 ug/ml	0.00
20) Perylene-d12	15.45	264	388877	1.00 ug/ml	0.01
System Monitoring Compounds					
2) Nitrobenzene-d5	5.01	82	528191	2.4579 ug/ml	0.00
Spiked Amount 2.500	Range 23 - 120		Recovery	= 98.40%	
7) 2-Fluorobiphenyl	7.18	172	1106140	2.5635 ug/ml	0.00
Spiked Amount 2.500	Range 30 - 115		Recovery	= 102.40%	
17) p-Terphenyl-d14	11.92	244	877745	1.7492 ug/ml	0.00
Spiked Amount 2.500	Range 18 - 137		Recovery	= 70.00%	
Target Compounds					Qvalue
12) Phenanthrene	9.97	178	72323	0.1179 ug/ml	89
14) Fluoranthene	11.48	202	163967	0.2518 ug/ml#	34
16) Pyrene	11.78	202	140371	0.1890 ug/ml#	63
18) Benzo[a]anthracene	13.28	228	92058	0.1414 ug/ml#	1
19) Chrysene	13.33	228	130867	0.2048 ug/ml#	73
21) Benzo[b]fluoranthene	14.78	252	246069m	0.3484 ug/ml	
22) Benzo[k]fluoranthene	14.81	252	74774m	0.1083 ug/ml	
23) Benzo[a]pyrene	15.35	252	130241	0.1925 ug/ml	92
24) Indeno[1,2,3-cd]pyrene	17.82	276	123972	0.1582 ug/ml#	90
26) Benzo[ghi]perylene	18.56	276	126522	0.1927 ug/ml	90

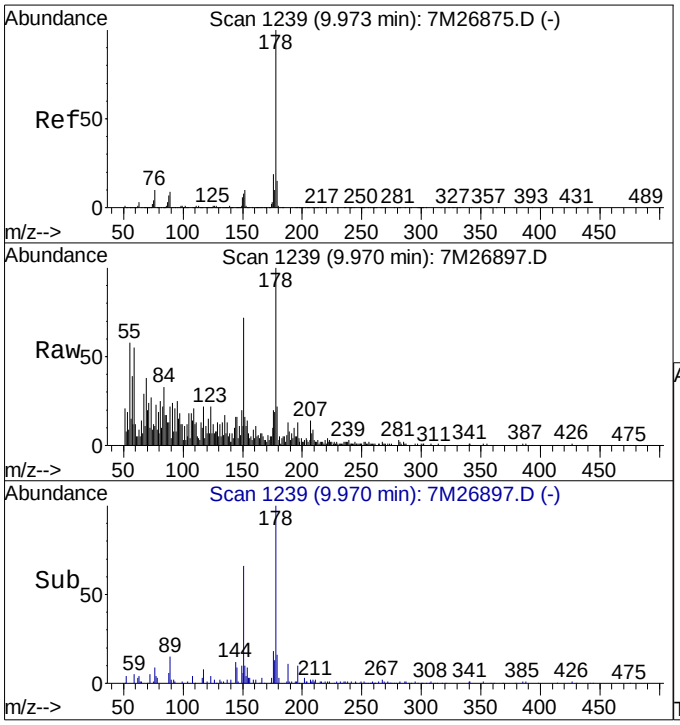
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\101405\7M26897.D Vial: 23
Acq On : 14 Oct 2005 19:43 Operator: CLK
Sample : L0510264-01 SOIL Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 12:42 2005 Quant Results File: PAH1005.RES

Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Mon Oct 17 10:42:25 2005
Response via : Initial Calibration

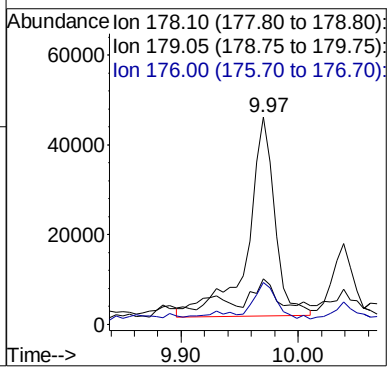


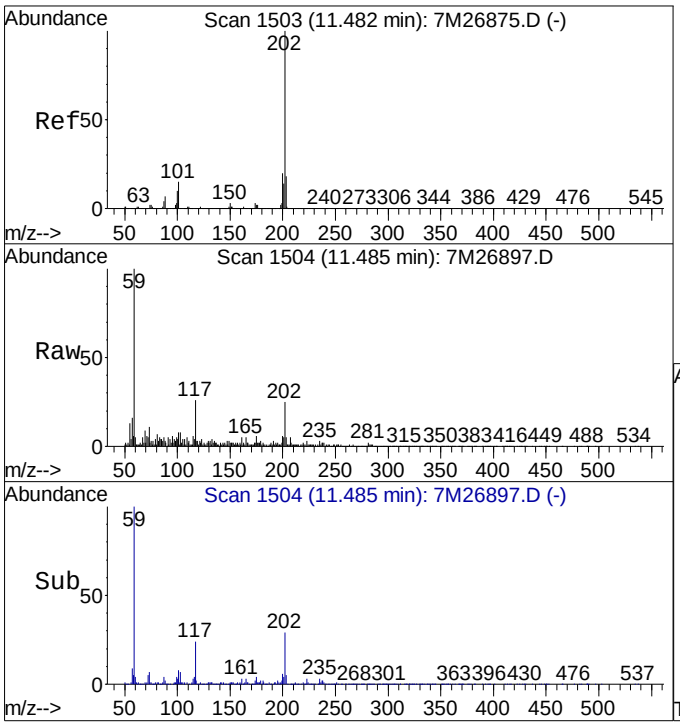


#12
Phenanthrene
Concen: 0.12 ug/ml
RT: 9.97 min Scan# 1239
Delta R.T. 0.00 min
Lab File: 7M26897.D
Acq: 14 Oct 2005 19:43

Tgt Ion:178 Resp: 72323

Ion	Ratio	Lower	Upper
178	100		
179	9.8	9.4	22.0
176	15.3	11.5	26.7

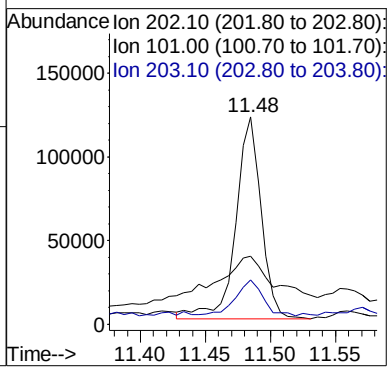


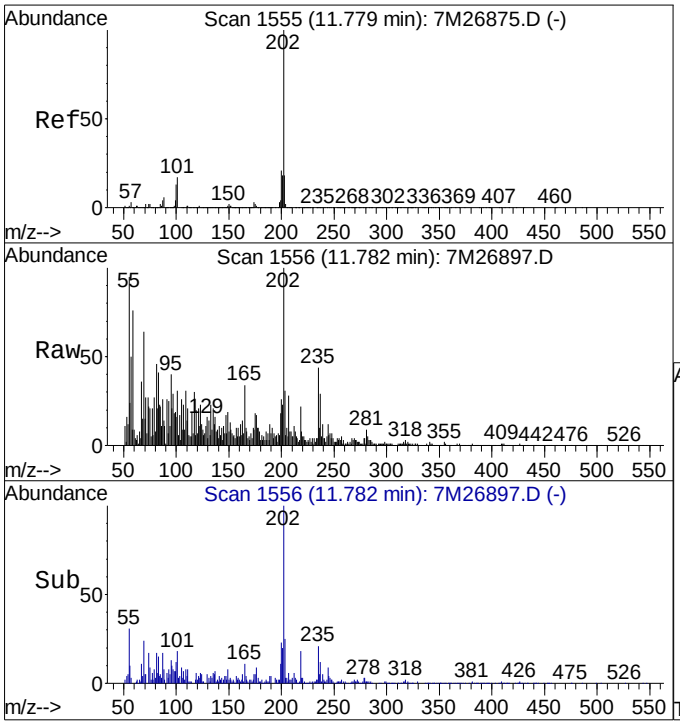


#14
Fluoranthene
Concen: 0.25 ug/ml
RT: 11.48 min Scan# 1504
Delta R.T. 0.01 min
Lab File: 7M26897.D
Acq: 14 Oct 2005 19:43

Tgt Ion:202 Resp: 163967

Ion	Ratio	Lower	Upper
202	100		
101	74.4	9.9	23.1#
203	18.6	10.6	24.8

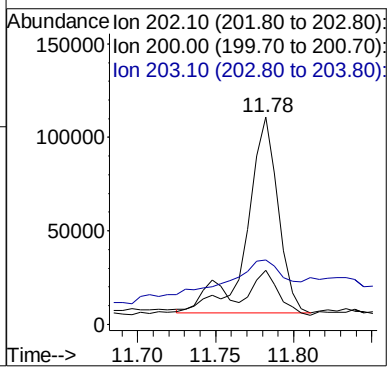


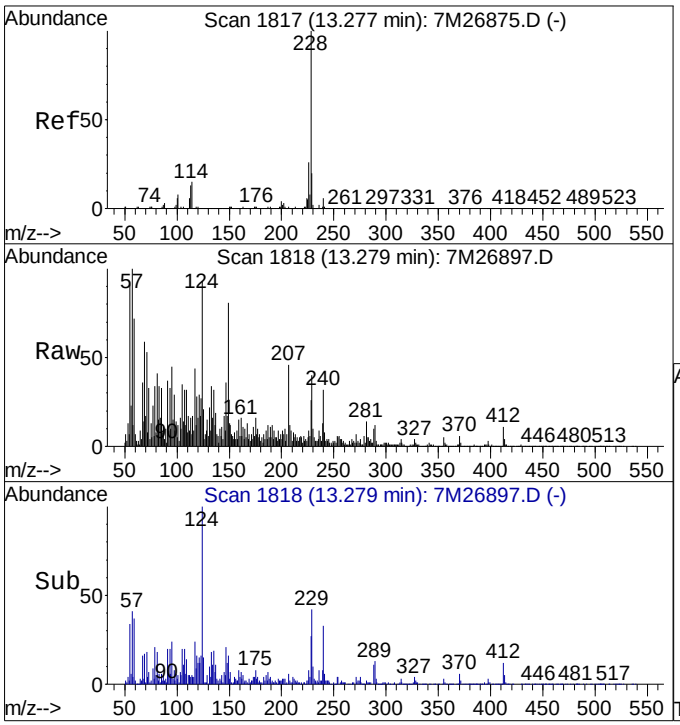


#16
Pyrene
Concen: 0.19 ug/ml
RT: 11.78 min Scan# 1556
Delta R.T. 0.01 min
Lab File: 7M26897.D
Acq: 14 Oct 2005 19:43

Tgt Ion:202 Resp: 140371

Ion	Ratio	Lower	Upper
202	100		
200	20.3	12.5	29.1
203	52.3	10.9	25.3#

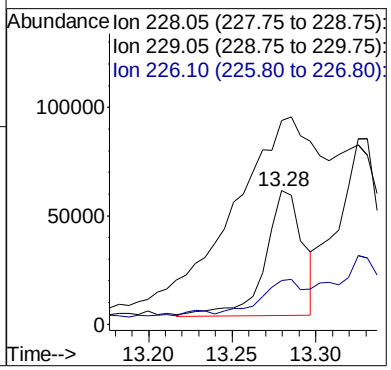


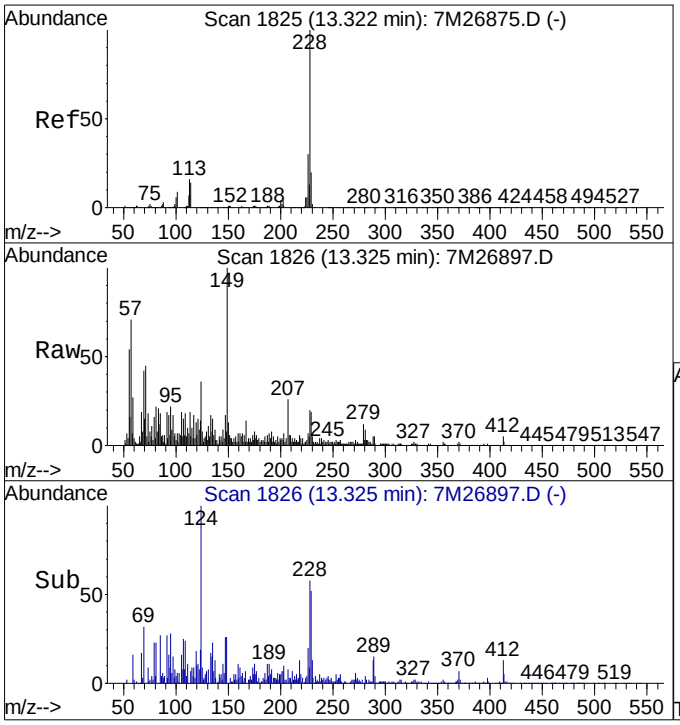


#18
Benzo[a]anthracene
Concen: 0.14 ug/ml
RT: 13.28 min Scan# 1818
Delta R.T. 0.00 min
Lab File: 7M26897.D
Acq: 14 Oct 2005 19:43

Tgt Ion:228 Resp: 92058

Ion	Ratio	Lower	Upper
228	100		
229	350.8	12.2	28.4#
226	29.4	16.1	37.7

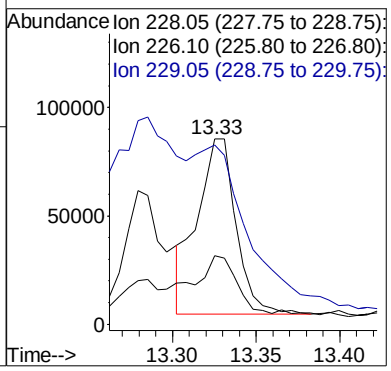


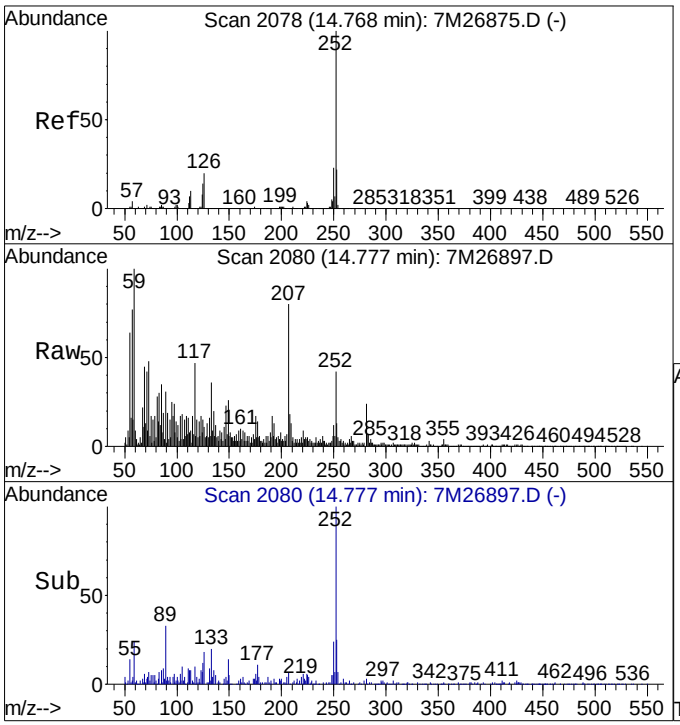


#19
Chrysene
Concen: 0.20 ug/ml
RT: 13.33 min Scan# 1826
Delta R.T. 0.00 min
Lab File: 7M26897.D
Acq: 14 Oct 2005 19:43

Tgt Ion:228 Resp: 130867

Ion	Ratio	Lower	Upper
228	100		
226	37.4	17.4	40.6
229	0.0	12.1	28.1#

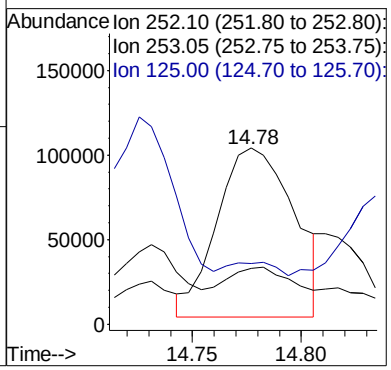


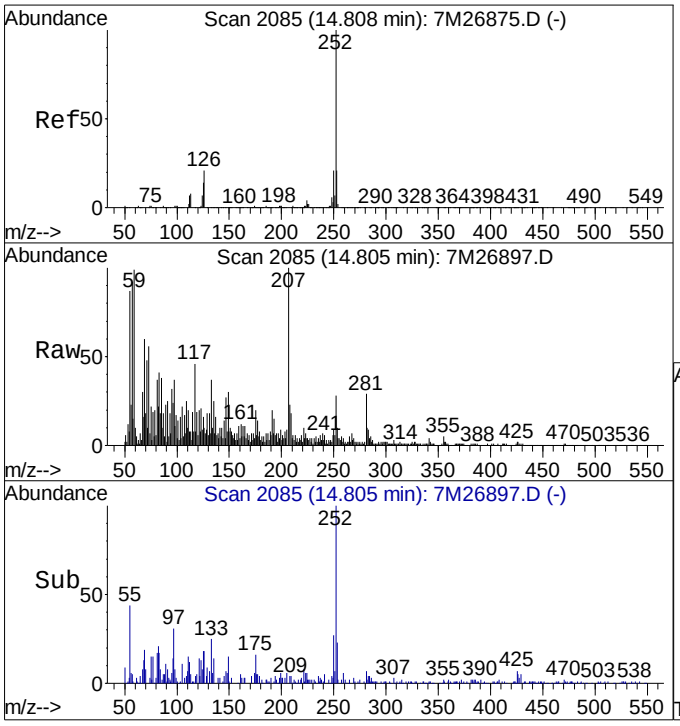


#21
Benzo[b]fluoranthene
Concen: 0.35 ug/ml m
RT: 14.78 min Scan# 2080
Delta R.T. 0.02 min
Lab File: 7M26897.D
Acq: 14 Oct 2005 19:43

Tgt Ion:252 Resp: 246069

Ion	Ratio	Lower	Upper
252	100		
253	28.2	13.4	31.2
125	4.7	9.1	21.1#

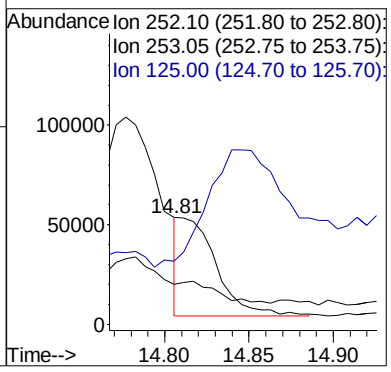


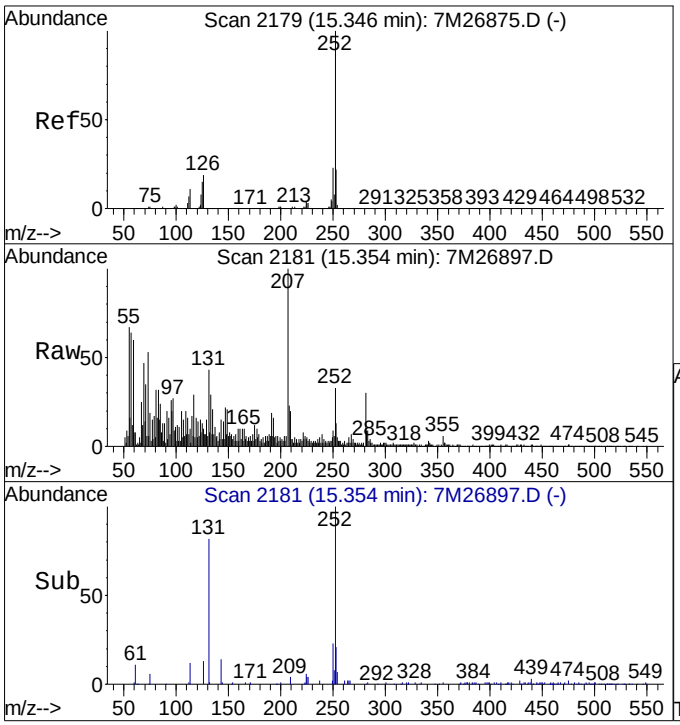


#22
Benzo[k]fluoranthene
Concen: 0.11 ug/ml m
RT: 14.81 min Scan# 2085
Delta R.T. 0.00 min
Lab File: 7M26897.D
Acq: 14 Oct 2005 19:43

Tgt Ion:252 Resp: 74774

Ion	Ratio	Lower	Upper
252	100		
253	92.7	13.3	31.1#
125	15.4	8.6	20.2

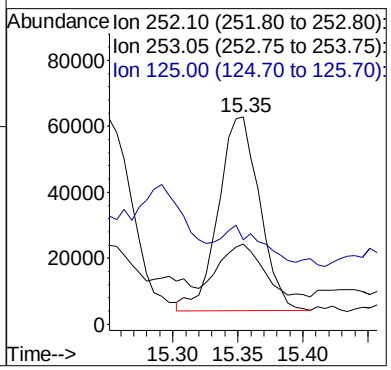


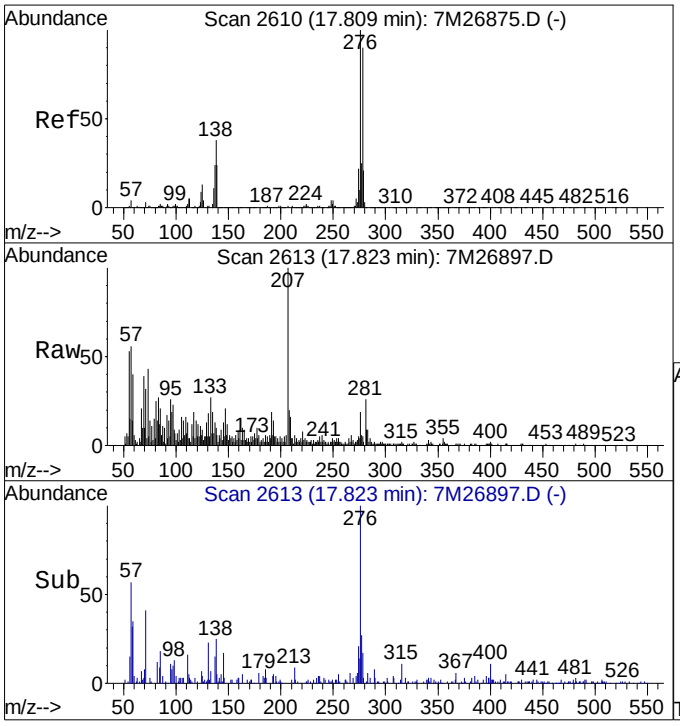


#23
Benzo[a]pyrene
Concen: 0.19 ug/ml
RT: 15.35 min Scan# 2181
Delta R.T. 0.02 min
Lab File: 7M26897.D
Acq: 14 Oct 2005 19:43

Tgt Ion:252 Resp: 130241

Ion	Ratio	Lower	Upper
252	100		
253	28.1	13.1	30.7
125	16.2	9.7	22.7

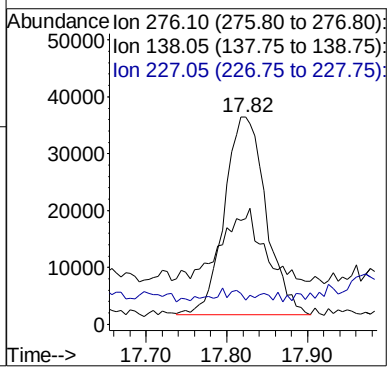


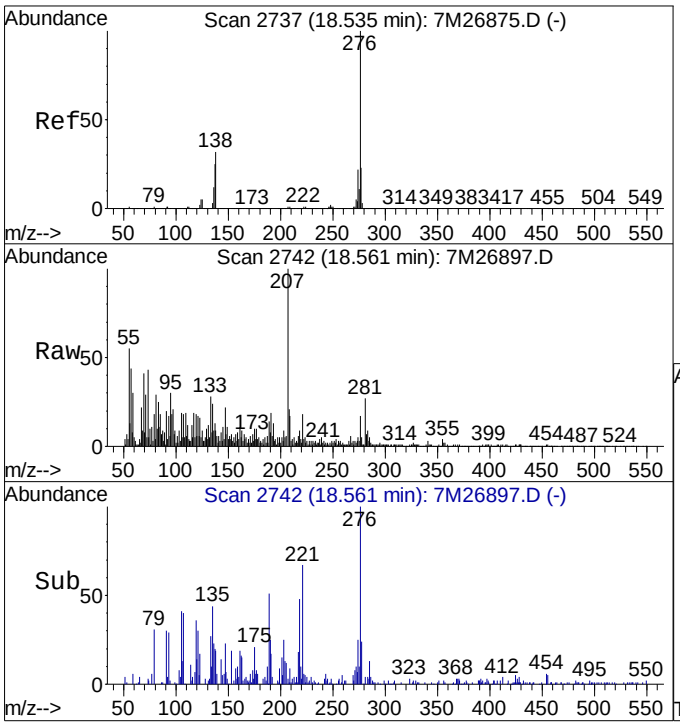


#24
Indeno[1,2,3-cd]pyrene
Concen: 0.16 ug/ml
RT: 17.82 min Scan# 2613
Delta R.T. 0.04 min
Lab File: 7M26897.D
Acq: 14 Oct 2005 19:43

Tgt Ion:276 Resp: 123972

Ion	Ratio	Lower	Upper
276	100		
138	34.8	24.5	57.1
227	0.8	0.1	0.3#

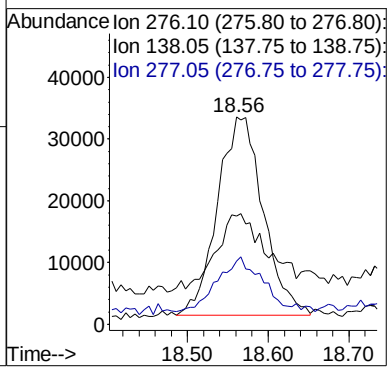




#26
Benzo[ghi]perylene
Concen: 0.19 ug/ml
RT: 18.56 min Scan# 2742
Delta R.T. 0.05 min
Lab File: 7M26897.D
Acq: 14 Oct 2005 19:43

Tgt Ion:276 Resp: 126522

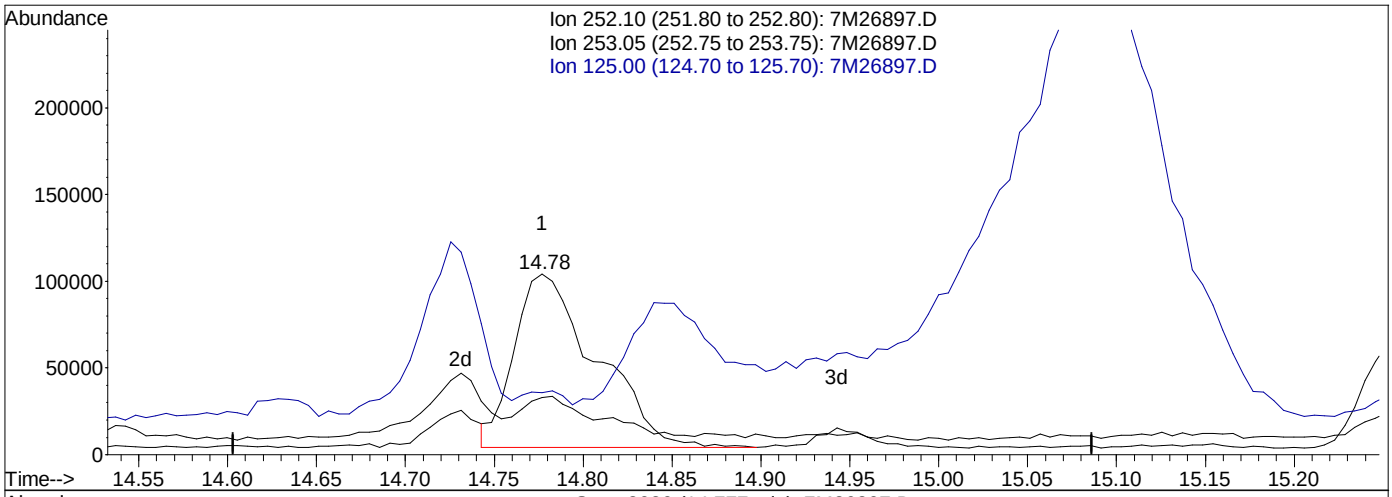
Ion	Ratio	Lower	Upper
276	100		
138	41.1	20.9	48.9
277	28.8	14.5	33.7

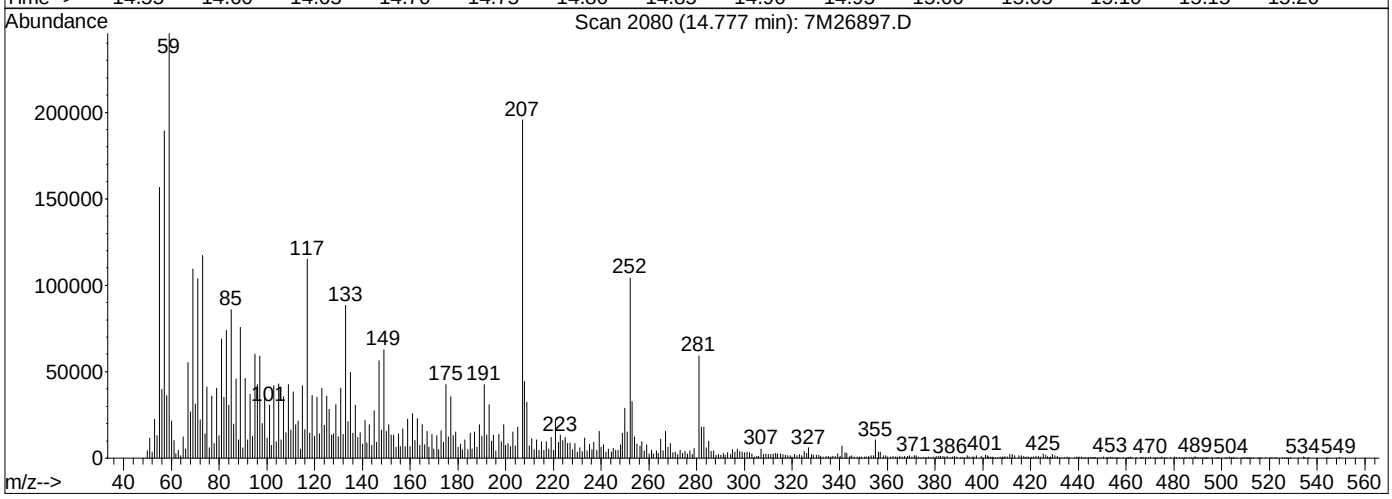


Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101405\7M26897.D Vial: 23
Acq On : 14 Oct 2005 19:43 Operator: CLK
Sample : L0510264-01 SOIL Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 12:41 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Mon Oct 17 10:42:25 2005
Response via : Multiple Level Calibration





TIC: 7M26897.D

(21) Benzo[b]fluoranthene

14.78min 0.46ug/ml

response 321697

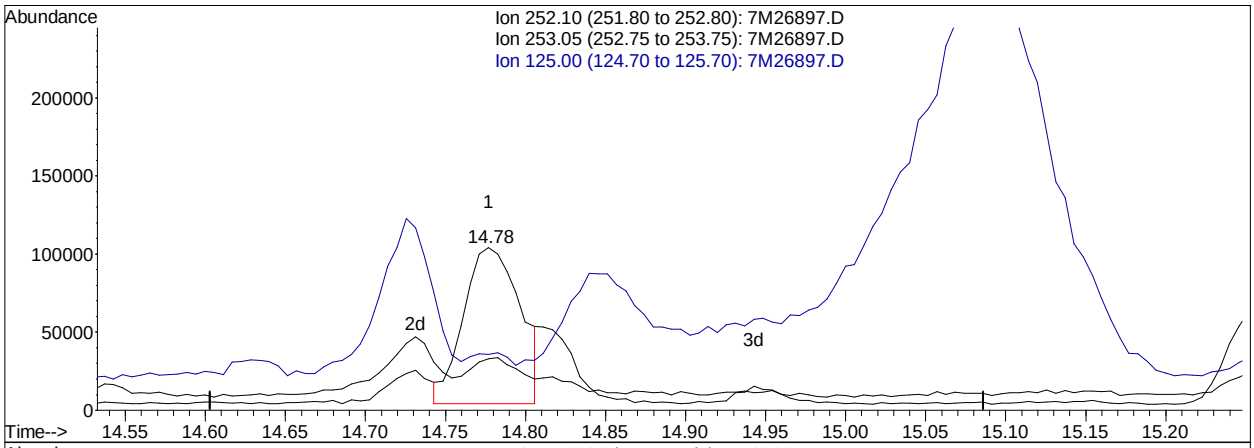
Ion	Exp%	Act%
252.10	100	100
253.05	22.30	21.54
125.00	15.10	3.58#
0.00	0.00	0.00

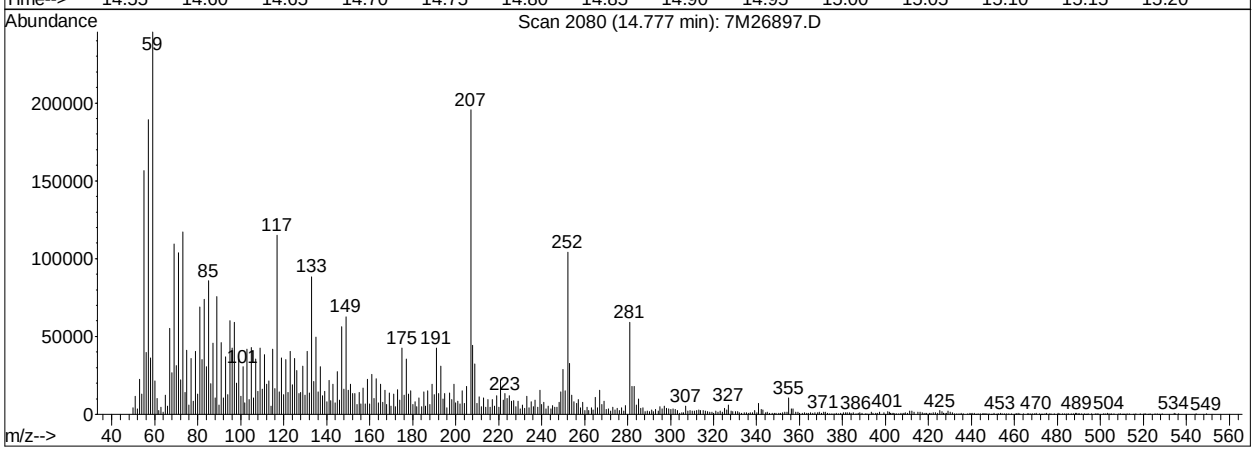
7M26897.D PAH1005.M Mon Oct 17 12:42:13 2005

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101405\7M26897.D Vial: 23
Acq On : 14 Oct 2005 19:43 Operator: CLK
Sample : L0510264-01 SOIL Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 12:42 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Mon Oct 17 10:42:25 2005
Response via : Multiple Level Calibration





TIC: 7M26897.D

(21) Benzo[b]fluoranthene

14.78min 0.35ug/ml m

response 246069

Ion	Exp%	Act%
252.10	100	100
253.05	22.30	28.16
125.00	15.10	4.68#
0.00	0.00	0.00

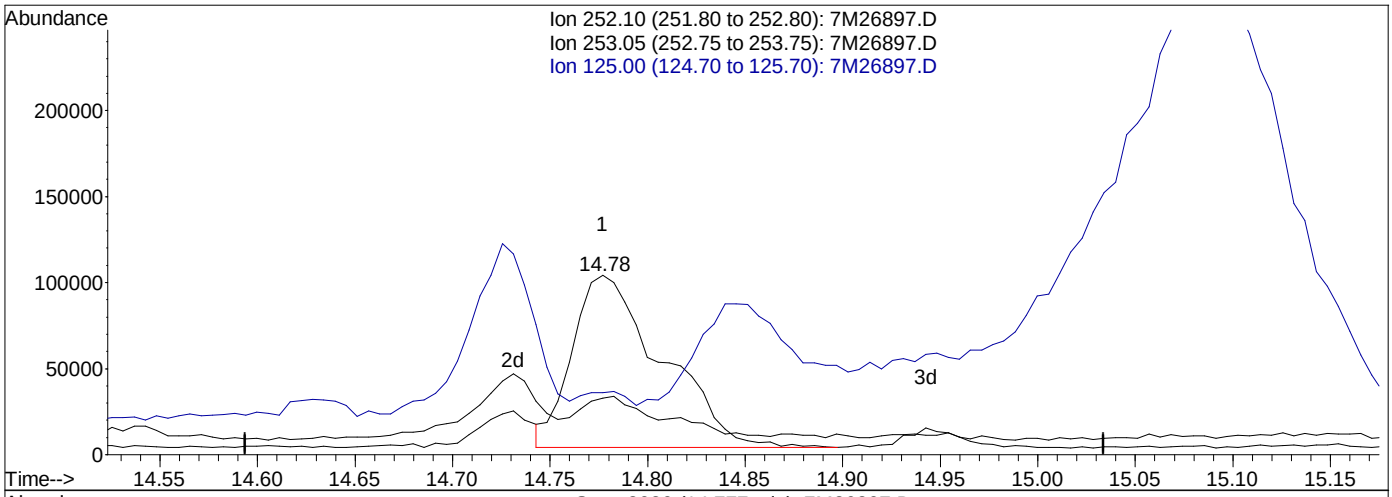
7M26897.D PAH1005.M Mon Oct 17 12:42:23 2005

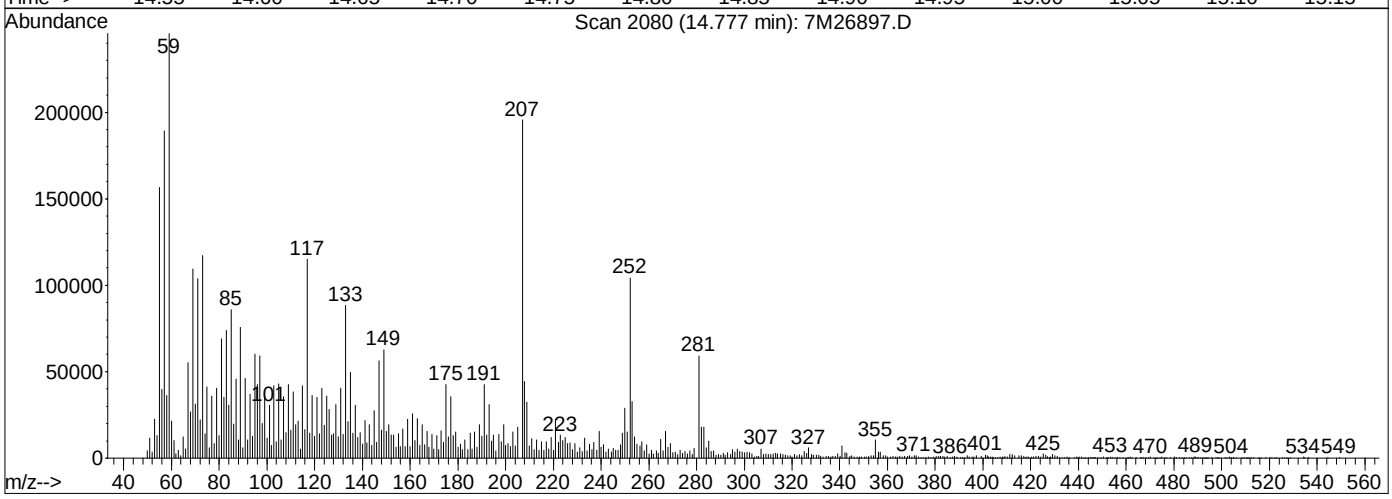
Approved: October 17, 2005	Supervisor: October 17, 2005
Reason #3: Improperly Integrated Isomers and/or coeluting compounds	

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101405\7M26897.D Vial: 23
Acq On : 14 Oct 2005 19:43 Operator: CLK
Sample : L0510264-01 SOIL Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 12:42 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Mon Oct 17 10:42:25 2005
Response via : Multiple Level Calibration





TIC: 7M26897.D

(22) Benzo[k]fluoranthene

14.78min 0.47ug/ml

response 321484

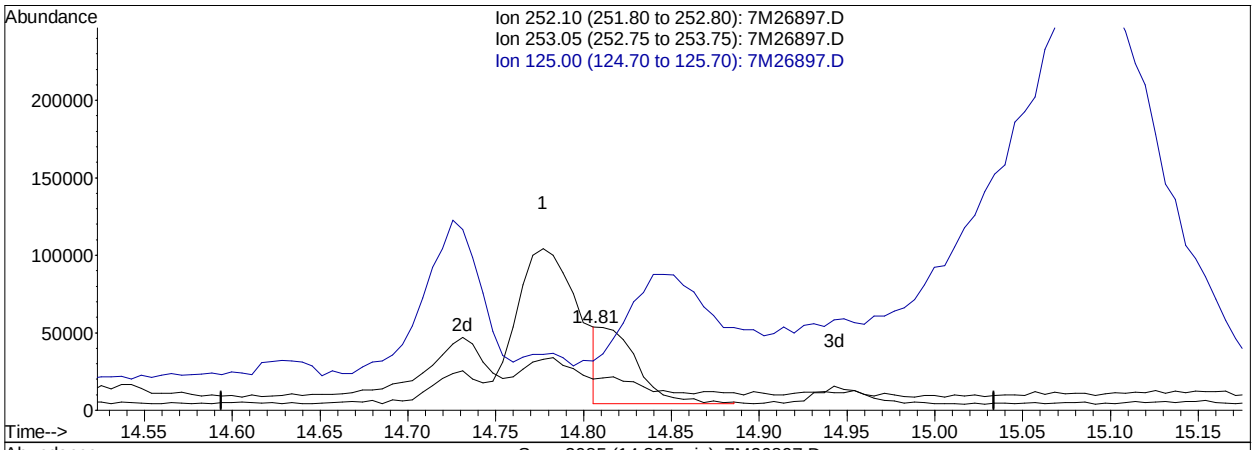
Ion	Exp%	Act%
252.10	100	100
253.05	22.20	21.55
125.00	14.40	3.58#
0.00	0.00	0.00

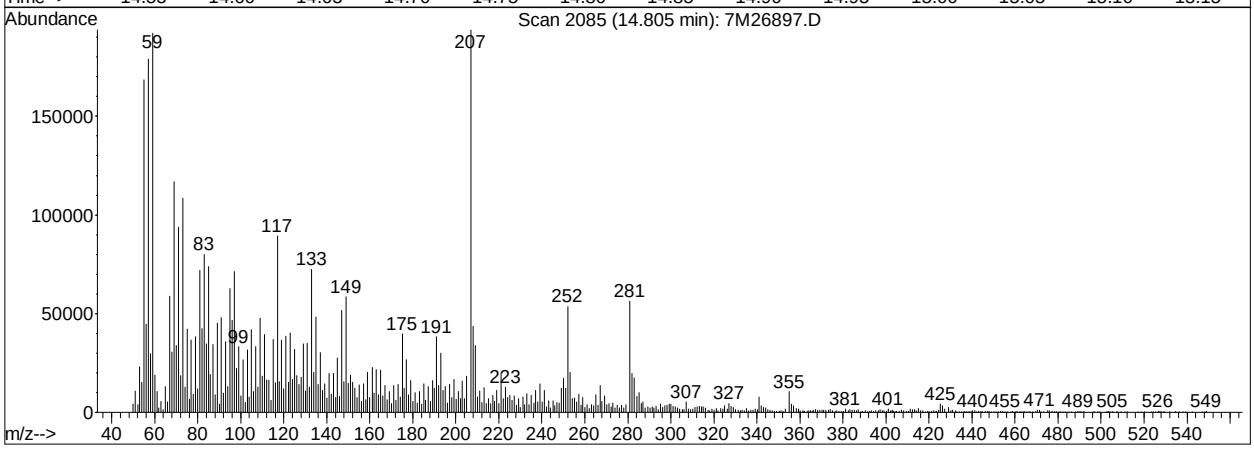
7M26897.D PAH1005.M Mon Oct 17 12:42:32 2005

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101405\7M26897.D Vial: 23
Acq On : 14 Oct 2005 19:43 Operator: CLK
Sample : L0510264-01 SOIL Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 12:42 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Mon Oct 17 10:42:25 2005
Response via : Multiple Level Calibration





TIC: 7M26897.D

(22) Benzo[k]fluoranthene

14.81min 0.11ug/ml m

response 74774

Ion	Exp%	Act%
252.10	100	100
253.05	22.20	92.67#
125.00	14.40	15.41
0.00	0.00	0.00

7M26897.D PAH1005.M Mon Oct 17 12:42:41 2005

Approved: October 17, 2005	Supervisor: October 17, 2005
Reason #3: Improperly Integrated Isomers and/or coeluting compounds	

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101805\7M26971.D Vial: 43
Acq On : 19 Oct 2005 12:01 Operator: CLK
Sample : L0510264-01 SOIL RE 2X Inst : HPMS7
Misc : 7,2,RE SOIL IH Multiplr: 2.00
MS Integration Params: RTEINT.P
Quant Time: Oct 19 12:52:11 2005 Quant Results File: PAH1018.RES

Quant Method : C:\MSDCHEM\1\METHODS\PAH1018.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/18/05
Last Update : Wed Oct 19 10:31:03 2005
Response via : Initial Calibration
DataAcq Meth : PAHL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Naphthalene-d8	5.85	136	450991	1.00 ug/ml	0.00
6) Acenaphthene-d10	8.02	164	232332	1.00 ug/ml	0.00
11) Phenanthrene-d10	9.92	188	398279	1.00 ug/ml	0.00
15) Chrysene-d12	13.27	240	481856	1.00 ug/ml	0.00
20) Perylene-d12	15.40	264	392891	1.00 ug/ml	0.00

System Monitoring Compounds					
2) Nitrobenzene-d5	4.98	82	165245	1.8863 ug/ml	0.00
Spiked Amount 2.500	Range 23 - 120		Recovery = 75.60%		
7) 2-Fluorobiphenyl	7.15	172	302404	1.6584 ug/ml	0.00
Spiked Amount 2.500	Range 30 - 115		Recovery = 66.40%		
17) p-Terphenyl-d14	11.90	244	350498	1.5200 ug/ml	0.00
Spiked Amount 2.500	Range 18 - 137		Recovery = 60.80%		

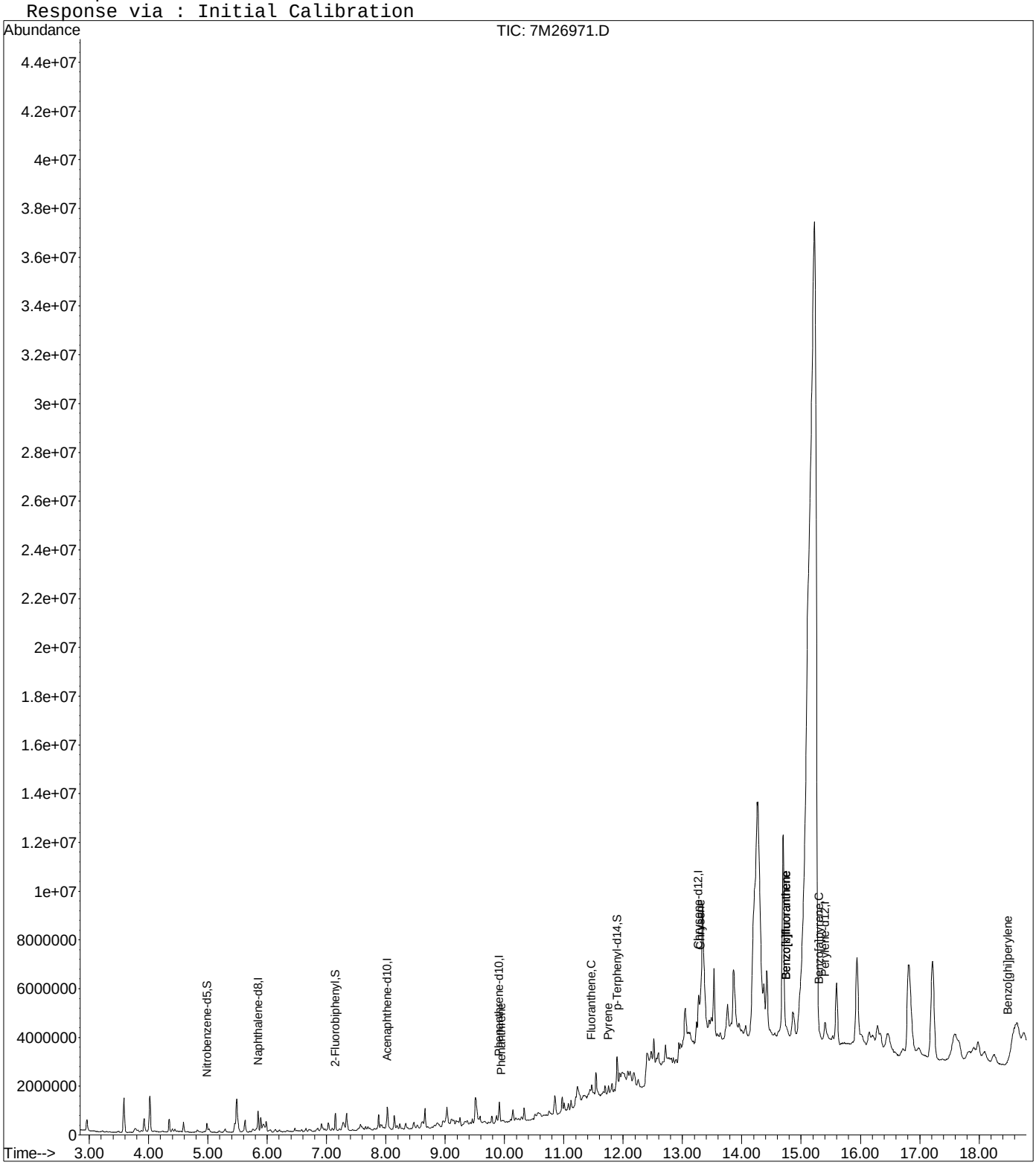
Target Compounds					Qvalue
12) Phenanthrene	9.94	178	28142	0.0537 ug/ml	96
14) Fluoranthene	11.46	202	60860	0.1103 ug/ml	94
16) Pyrene	11.76	202	46673	0.0683 ug/ml#	88
19) Chrysene	13.30	228	42225	0.0691 ug/ml#	11
21) Benzo[b]fluoranthene	14.75	252	106400	0.1442 ug/ml#	73
22) Benzo[k]fluoranthene	14.75	252	106796	0.1503 ug/ml#	72
23) Benzo[a]pyrene	15.31	252	44941	0.0630 ug/ml#	68
26) Benzo[ghi]perylene	18.48	276	43208	0.0600 ug/ml	85

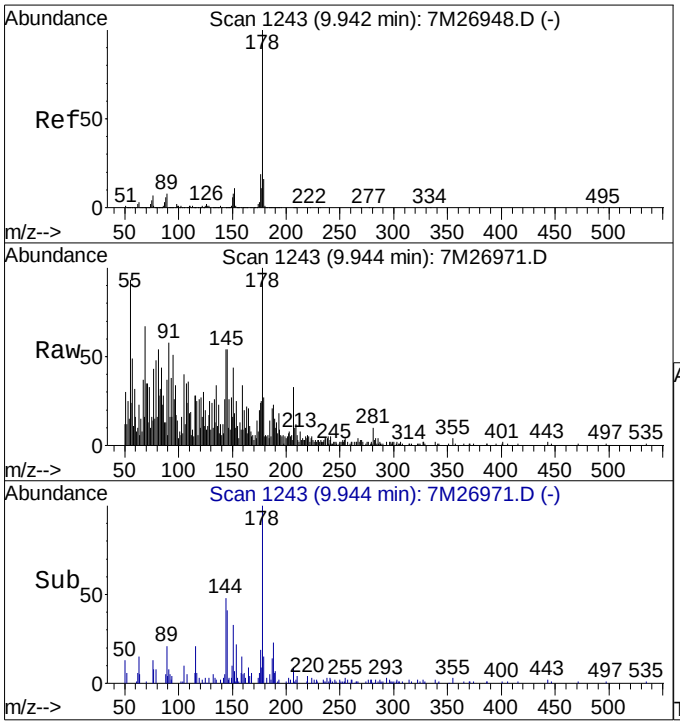
(#) = qualifier out of range (m) = manual integration
7M26971.D PAH1018.M Wed Oct 19 12:52:12 2005 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101805\7M26971.D Vial: 43
Acq On : 19 Oct 2005 12:01 Operator: CLK
Sample : L0510264-01 SOIL RE 2X Inst : HPMS7
Misc : 7,2,RE SOIL IH Multiplr: 2.00
MS Integration Params: RTEINT.P
Quant Time: Oct 19 12:52 2005 Quant Results File: PAH1018.RES

Method : C:\MSDCHEM\1\METHODS\PAH1018.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/18/05
Last Update : Wed Oct 19 10:31:03 2005
Response via : Initial Calibration

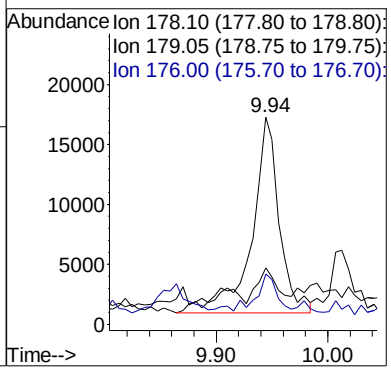


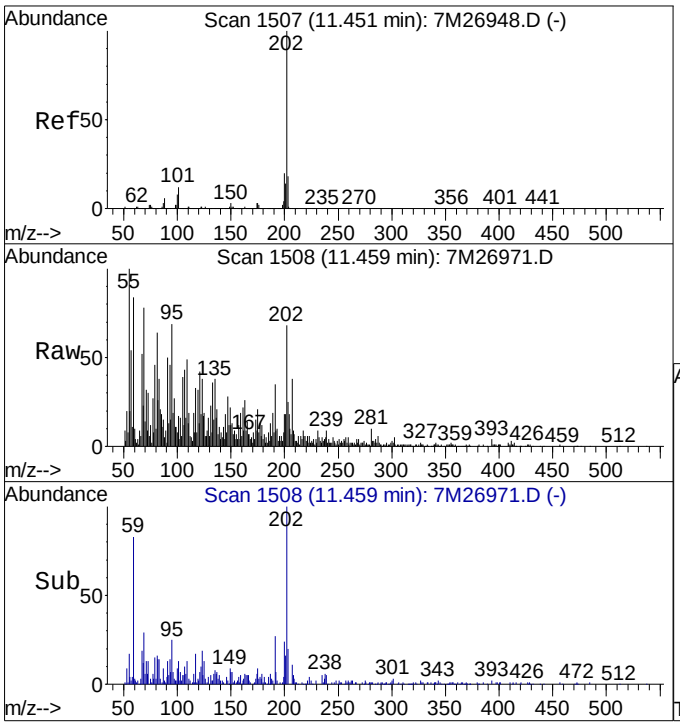


#12
Phenanthrene
Concen: 0.05 ug/ml
RT: 9.94 min Scan# 1243
Delta R.T. -0.00 min
Lab File: 7M26971.D
Acq: 19 Oct 2005 12:01

Tgt Ion:178 Resp: 28142

Ion	Ratio	Lower	Upper
178	100		
179	13.2	9.3	21.7
176	17.4	11.2	26.2

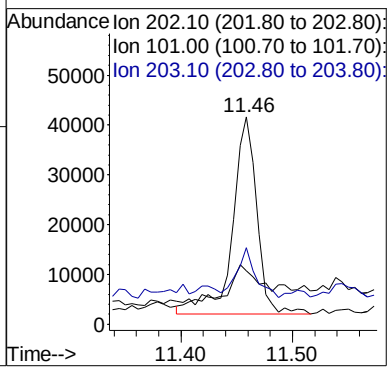


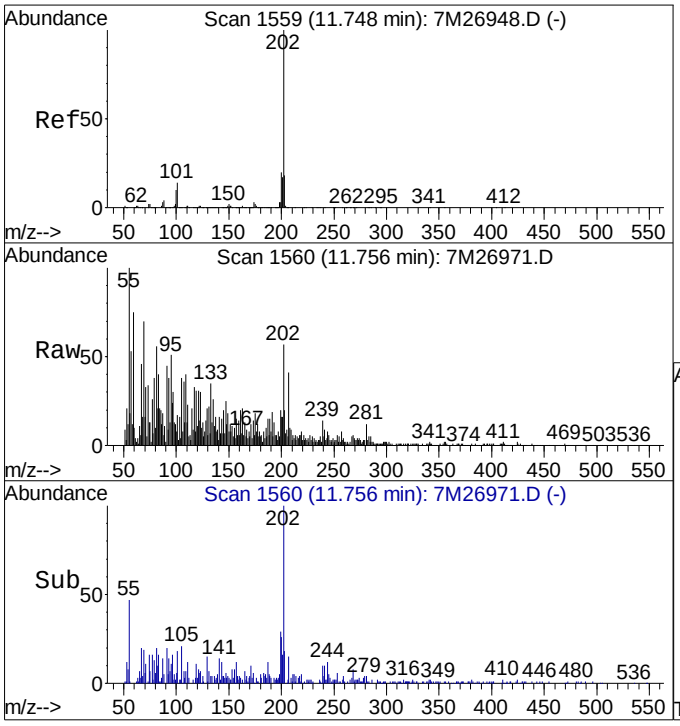


#14
Fluoranthene
Concen: 0.11 ug/ml
RT: 11.46 min Scan# 1508
Delta R.T. 0.00 min
Lab File: 7M26971.D
Acq: 19 Oct 2005 12:01

Tgt Ion:202 Resp: 60860

Ion	Ratio	Lower	Upper
202	100		
101	16.0	7.3	16.9
203	19.1	10.5	24.5

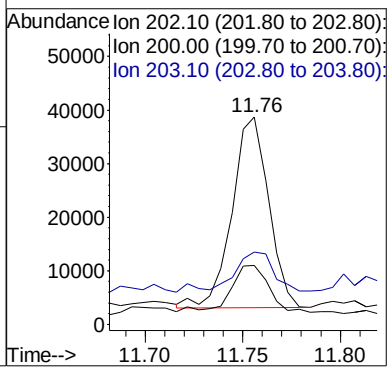


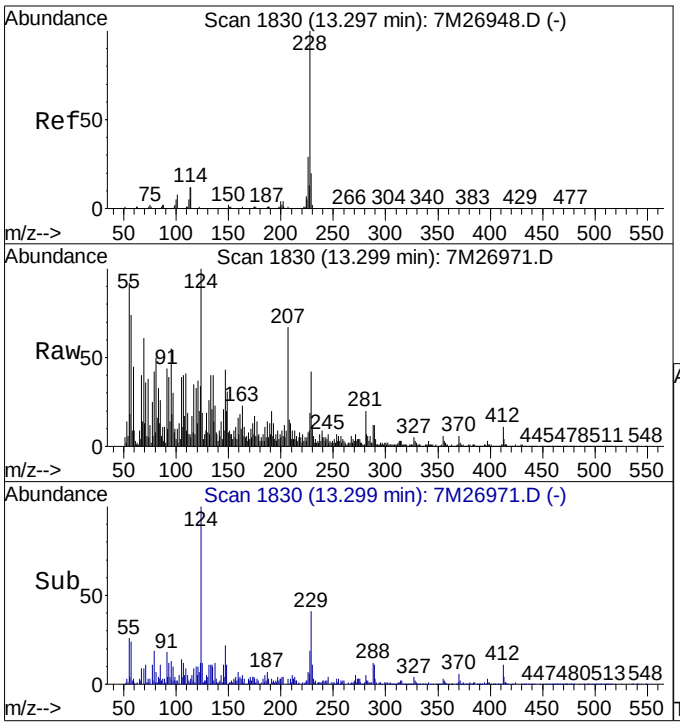


#16
Pyrene
Concen: 0.07 ug/ml
RT: 11.76 min Scan# 1560
Delta R.T. 0.00 min
Lab File: 7M26971.D
Acq: 19 Oct 2005 12:01

Tgt Ion:202 Resp: 46673

Ion	Ratio	Lower	Upper
202	100		
200	29.1	12.4	28.8#
203	20.3	10.7	24.9

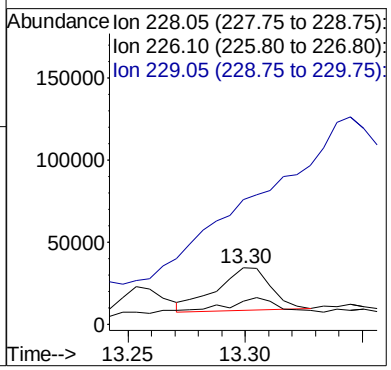


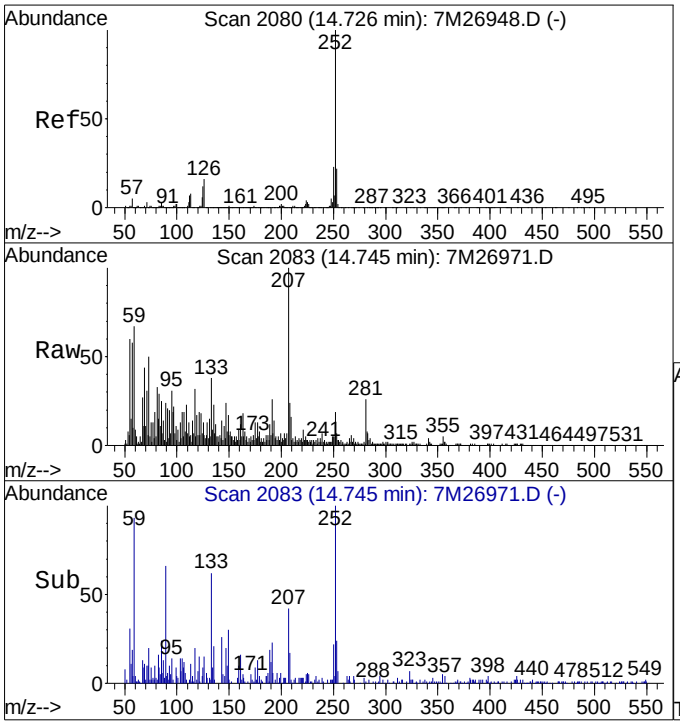


#19
Chrysene
Concen: 0.07 ug/ml
RT: 13.30 min Scan# 1830
Delta R.T. 0.00 min
Lab File: 7M26971.D
Acq: 19 Oct 2005 12:01

Tgt Ion:228 Resp: 42225

Ion	Ratio	Lower	Upper
228	100		
226	93.5	17.5	40.7#
229	0.0	11.8	27.6#

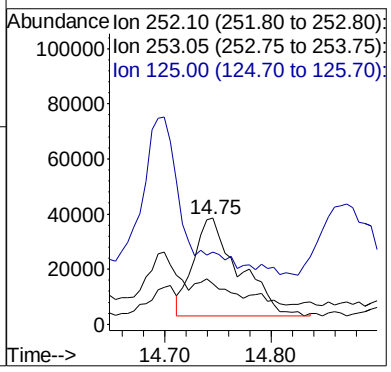


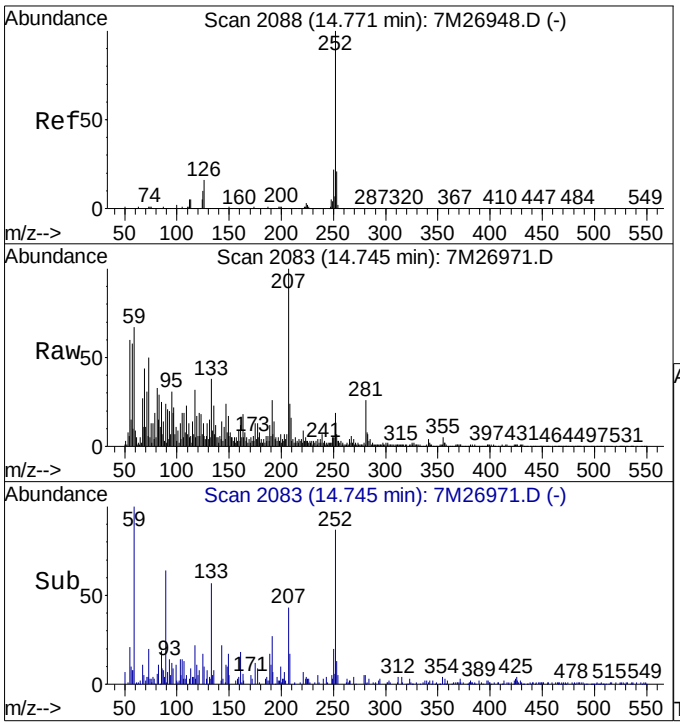


#21
Benzo[b]fluoranthene
Concen: 0.14 ug/ml
RT: 14.75 min Scan# 2083
Delta R.T. 0.01 min
Lab File: 7M26971.D
Acq: 19 Oct 2005 12:01

Tgt Ion:252 Resp: 106400

Ion	Ratio	Lower	Upper
252	100		
253	9.4	13.2	30.8#
125	0.0	6.7	15.5#

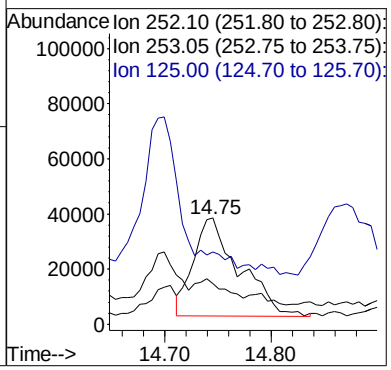


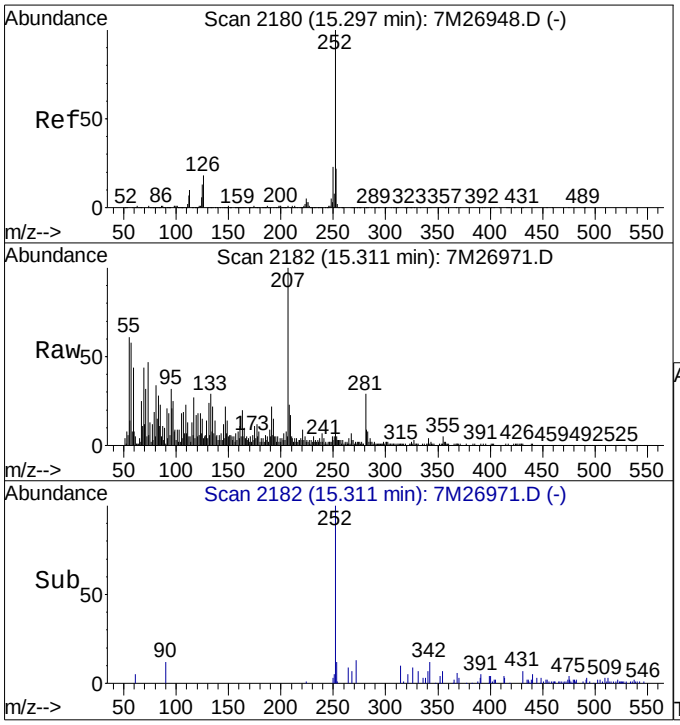


#22
Benzo[k]fluoranthene
Concen: 0.15 ug/ml
RT: 14.75 min Scan# 2083
Delta R.T. -0.03 min
Lab File: 7M26971.D
Acq: 19 Oct 2005 12:01

Tgt Ion:252 Resp: 106796

Ion	Ratio	Lower	Upper
252	100		
253	9.9	13.1	30.5#
125	0.0	7.6	17.6#

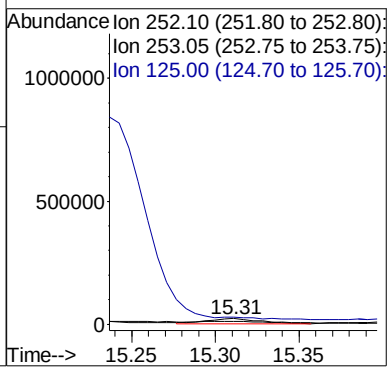


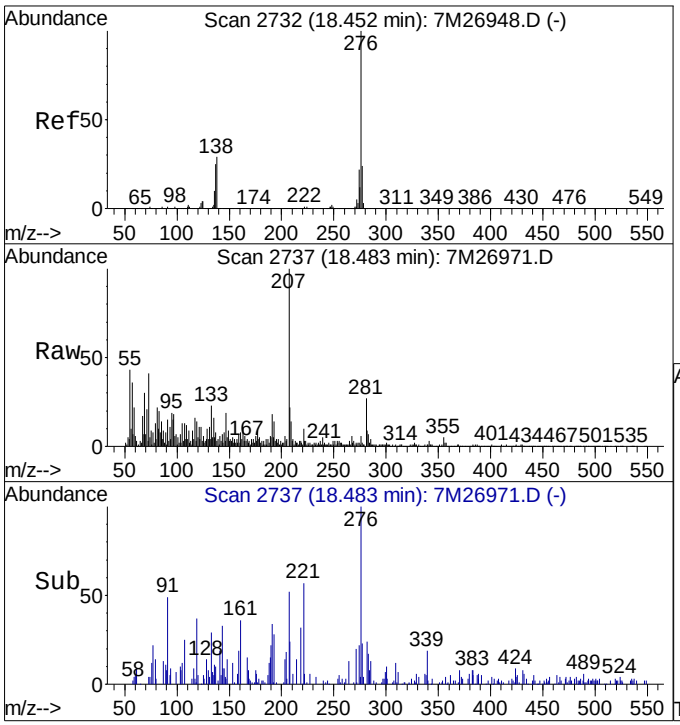


#23
Benzo[a]pyrene
Concen: 0.06 ug/ml
RT: 15.31 min Scan# 2182
Delta R.T. 0.01 min
Lab File: 7M26971.D
Acq: 19 Oct 2005 12:01

Tgt Ion:252 Resp: 44941

Ion	Ratio	Lower	Upper
252	100		
253	36.6	13.1	30.7#
125	0.0	8.0	18.6#

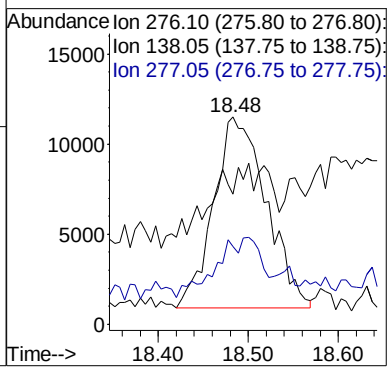




#26
Benzo[ghi]perylene
Concen: 0.06 ug/ml
RT: 18.48 min Scan# 2737
Delta R.T. 0.02 min
Lab File: 7M26971.D
Acq: 19 Oct 2005 12:01

Tgt Ion:276 Resp: 43208

Ion	Ratio	Lower	Upper
276	100		
138	22.7	17.8	41.4
277	14.7	13.8	32.2



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\101405\7M26895.D Vial: 21
Acq On : 14 Oct 2005 18:50 Operator: CLK
Sample : L0510264-02 SOIL 10X Inst : HPMS7
Misc : 7,10 SOIL Multiplr: 10.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 11:12:45 2005 Quant Results File: PAH1005.RES

Quant Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Mon Oct 17 10:42:25 2005
Response via : Initial Calibration
DataAcq Meth : PAHL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Naphthalene-d8	5.87	136	509409	1.00 ug/ml	0.00
6) Acenaphthene-d10	8.05	164	269028	1.00 ug/ml	0.00
11) Phenanthrene-d10	9.93	188	429065	1.00 ug/ml	0.00
15) Chrysene-d12	13.29	240	405513	1.00 ug/ml	0.00
20) Perylene-d12	15.43	264	314040	1.00 ug/ml	0.00

System Monitoring Compounds					
2) Nitrobenzene-d5	5.01	82	40137	2.0150 ug/ml	0.00
Spiked Amount 2.500	Range 23 - 120		Recovery	= 80.40%	
7) 2-Fluorobiphenyl	7.17	172	86595	2.1426 ug/ml	0.00
Spiked Amount 2.500	Range 30 - 115		Recovery	= 85.60%	
17) p-Terphenyl-d14	11.92	244	66466	1.6368 ug/ml	0.00
Spiked Amount 2.500	Range 18 - 137		Recovery	= 65.60%	

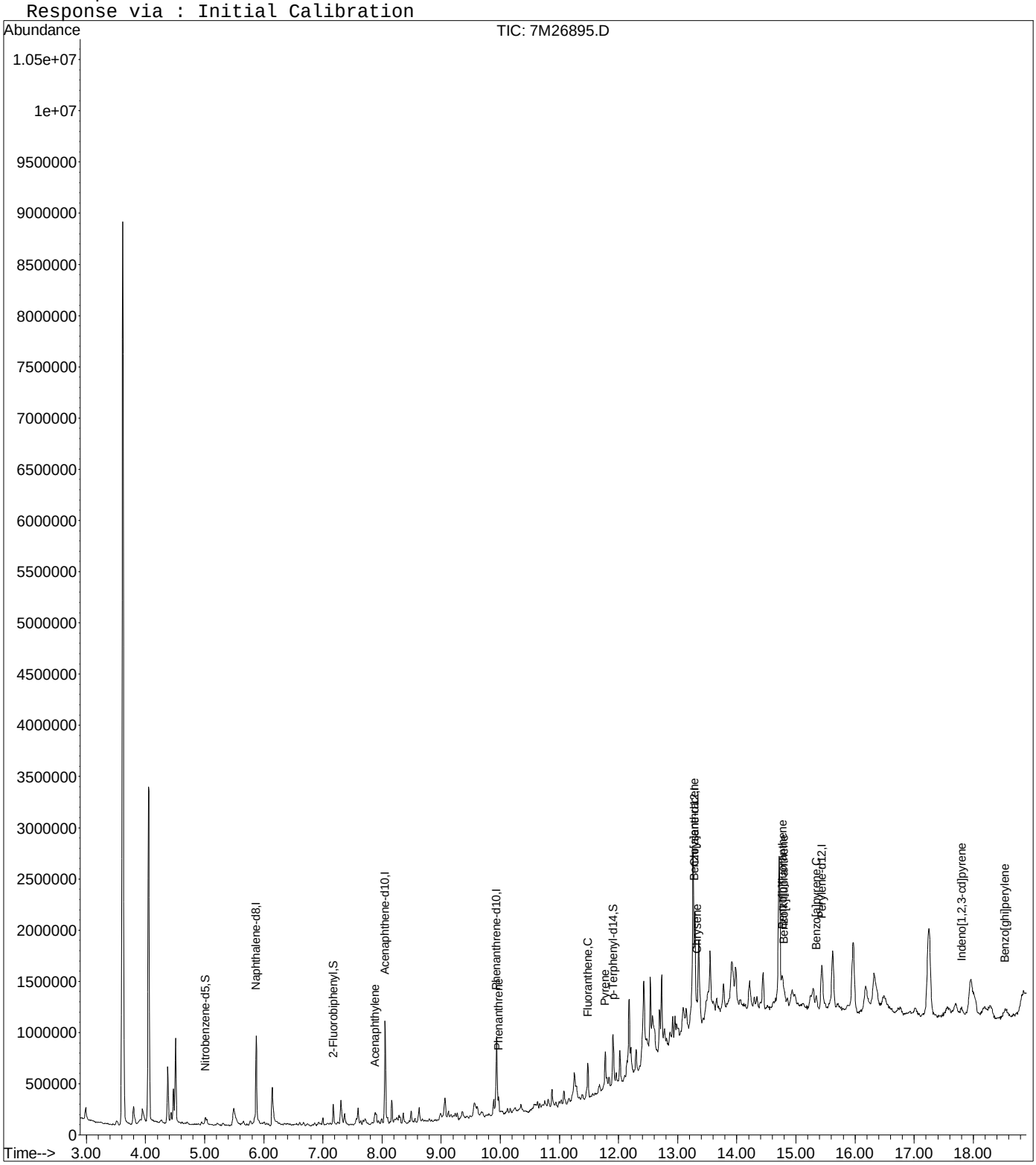
Target Compounds					Qvalue
8) Acenaphthylene	7.88	152	47584	0.0853 ug/ml	96
12) Phenanthrene	9.97	178	97980	0.1763 ug/ml	99
14) Fluoranthene	11.48	202	210513	0.3566 ug/ml	95
16) Pyrene	11.78	202	189350	0.3151 ug/ml	99
18) Benzo[a]anthracene	13.28	228	66809	0.1268 ug/ml#	86
19) Chrysene	13.32	228	96663	0.1869 ug/ml	93
21) Benzo[b]fluoranthene	14.77	252	168884m	0.2961 ug/ml	
22) Benzo[k]fluoranthene	14.80	252	49204m	0.0883 ug/ml	
23) Benzo[a]pyrene	15.34	252	102647	0.1879 ug/ml	96
24) Indeno[1,2,3-cd]pyrene	17.80	276	93103	0.1472 ug/ml#	84
26) Benzo[ghi]perylene	18.54	276	98241	0.1853 ug/ml	98

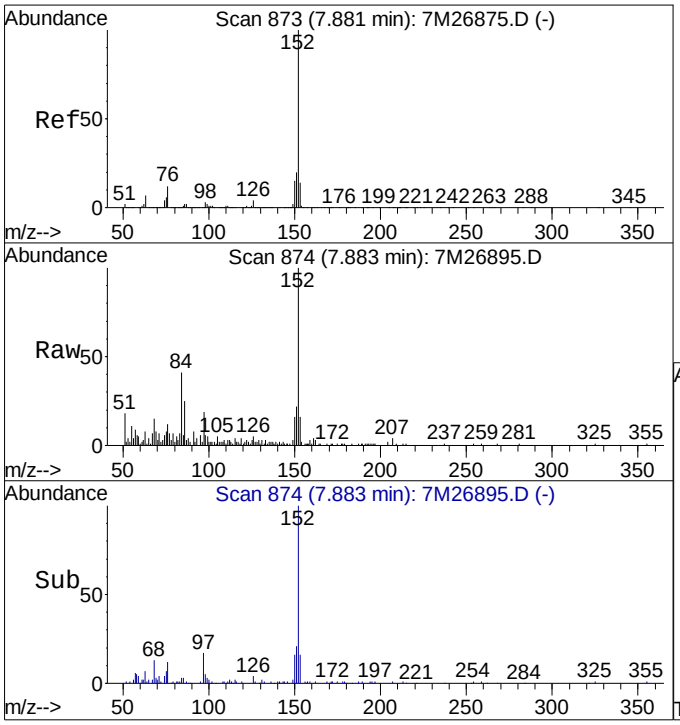
(#) = qualifier out of range (m) = manual integration
7M26895.D PAH1005.M Mon Oct 17 11:13:33 2005 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\101405\7M26895.D Vial: 21
Acq On : 14 Oct 2005 18:50 Operator: CLK
Sample : L0510264-02 SOIL 10X Inst : HPMS7
Misc : 7,10 SOIL Multiplr: 10.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 11:13 2005 Quant Results File: PAH1005.RES

Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Mon Oct 17 10:42:25 2005
Response via : Initial Calibration

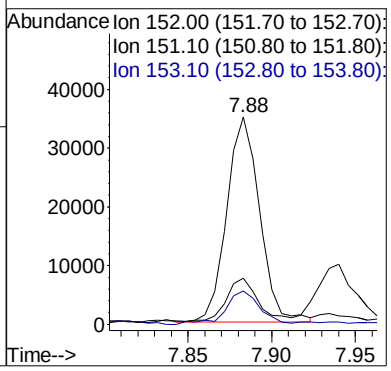


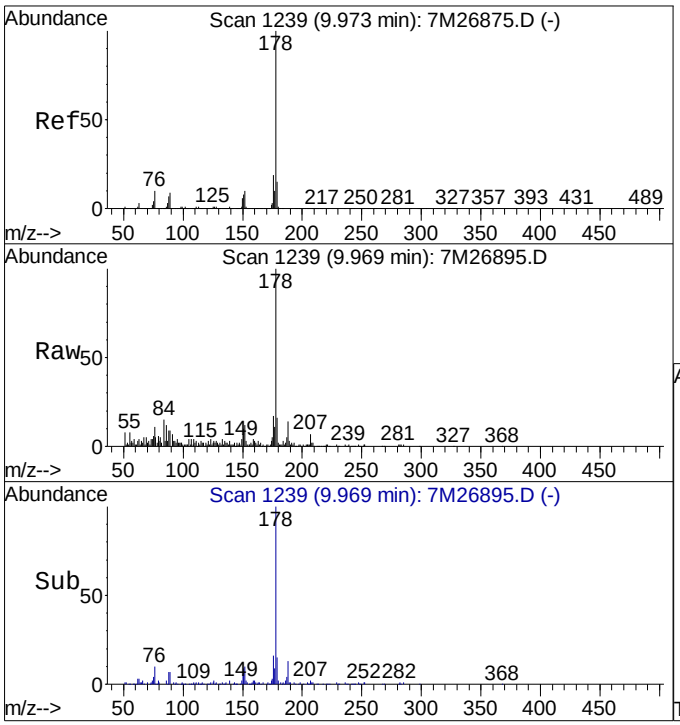


#8
Acenaphthylene
Concen: 0.09 ug/ml
RT: 7.88 min Scan# 874
Delta R.T. 0.00 min
Lab File: 7M26895.D
Acq: 14 Oct 2005 18:50

Tgt Ion:152 Resp: 47584

Ion	Ratio	Lower	Upper
152	100		
151	20.2	11.9	27.7
153	16.8	8.0	18.6

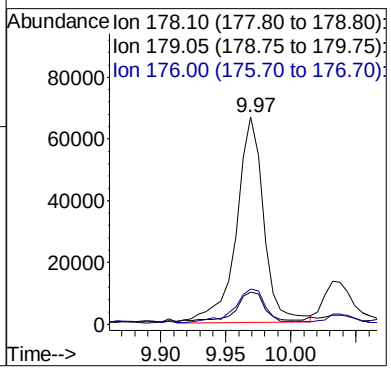


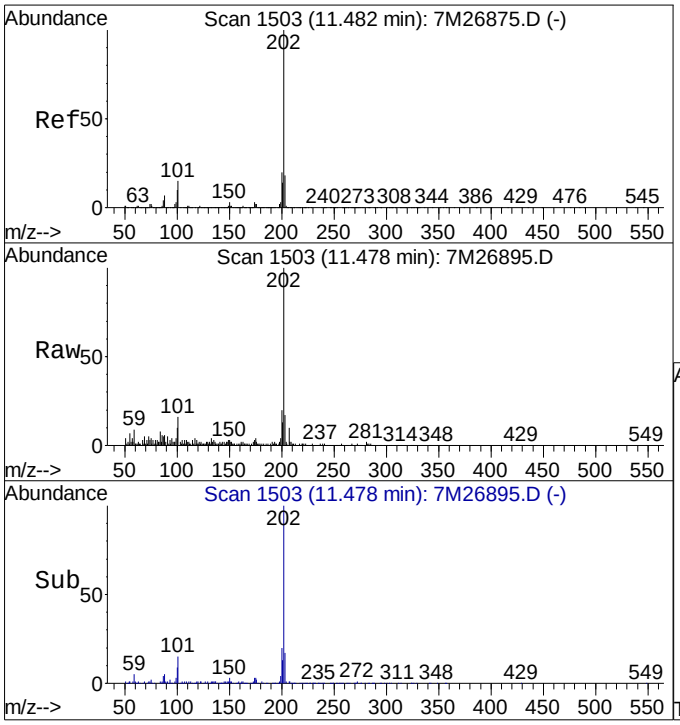


#12
Phenanthrene
Concen: 0.18 ug/ml
RT: 9.97 min Scan# 1239
Delta R.T. 0.00 min
Lab File: 7M26895.D
Acq: 14 Oct 2005 18:50

Tgt Ion:178 Resp: 97980

Ion	Ratio	Lower	Upper
178	100		
179	15.8	9.4	22.0
176	18.5	11.5	26.7

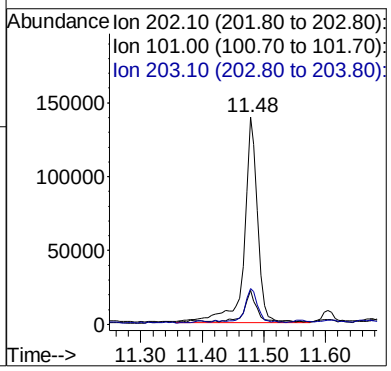


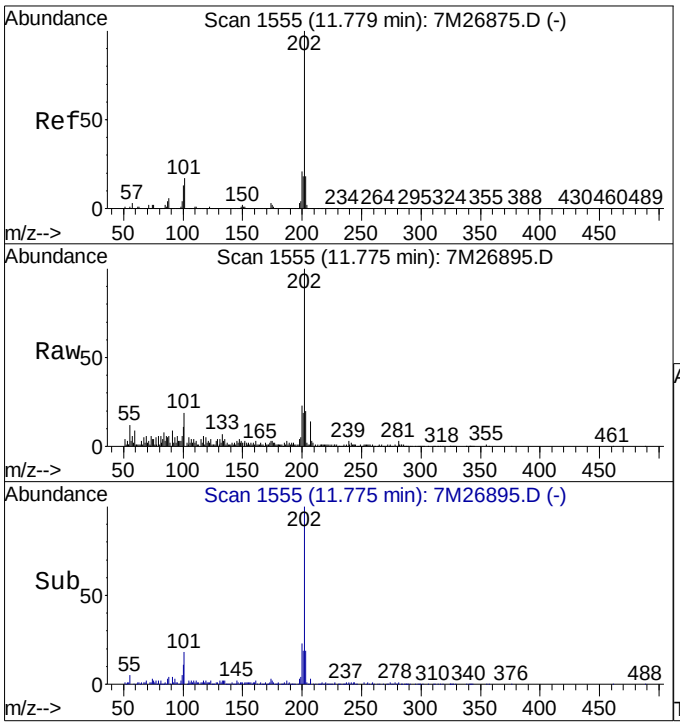


#14
Fluoranthene
Concen: 0.36 ug/ml
RT: 11.48 min Scan# 1503
Delta R.T. 0.00 min
Lab File: 7M26895.D
Acq: 14 Oct 2005 18:50

Tgt Ion:202 Resp: 210513

Ion	Ratio	Lower	Upper
202	100		
101	13.9	9.9	23.1
203	16.0	10.6	24.8

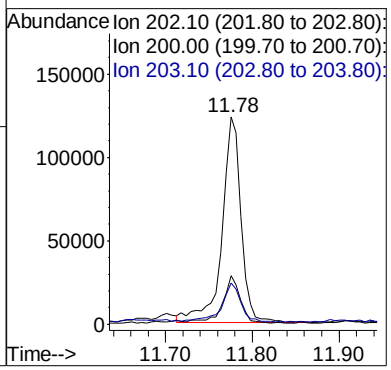


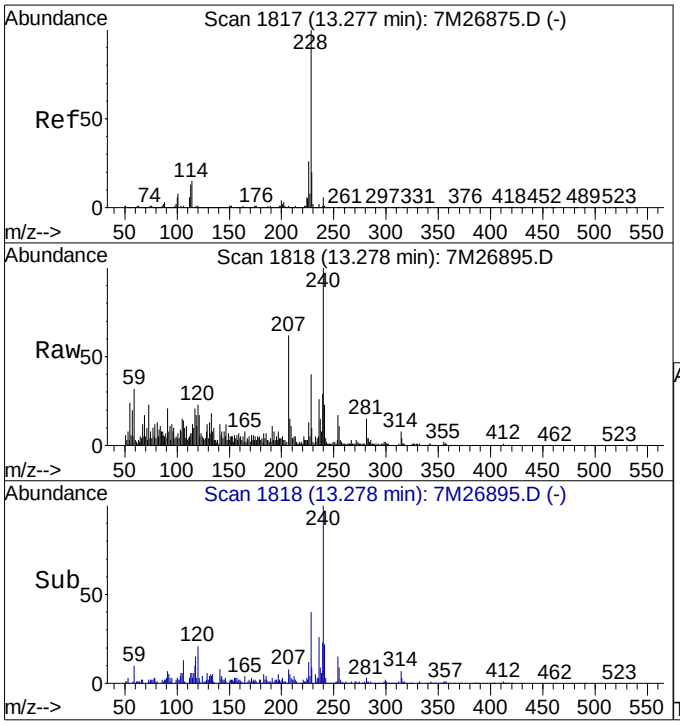


#16
Pyrene
Concen: 0.32 ug/ml
RT: 11.78 min Scan# 1555
Delta R.T. 0.00 min
Lab File: 7M26895.D
Acq: 14 Oct 2005 18:50

Tgt Ion:202 Resp: 189350

Ion	Ratio	Lower	Upper
202	100		
200	21.0	12.5	29.1
203	19.1	10.9	25.3

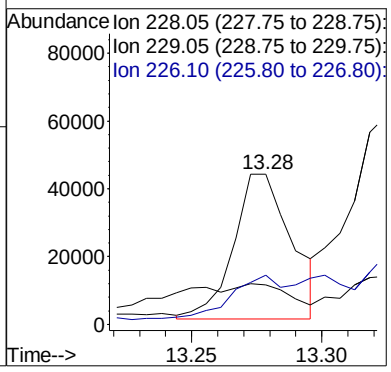


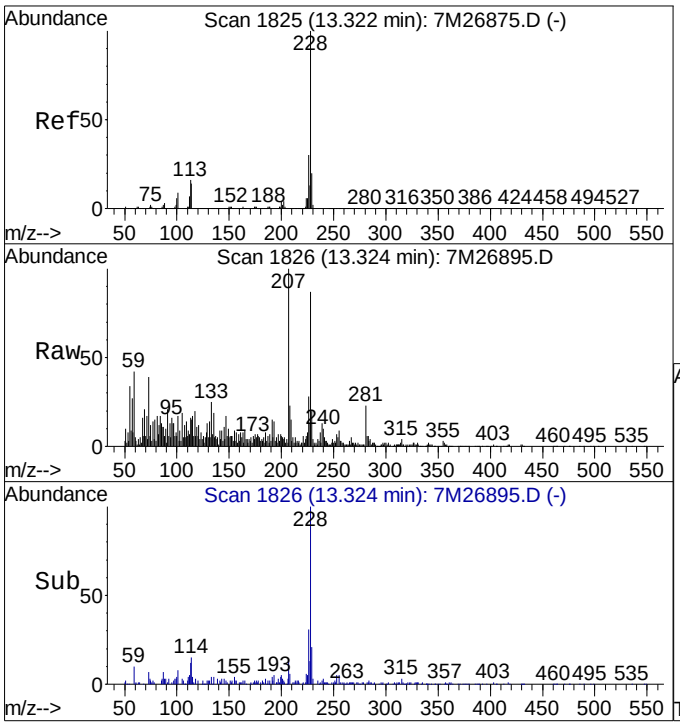


#18
Benzo[a]anthracene
Concen: 0.13 ug/ml
RT: 13.28 min Scan# 1818
Delta R.T. 0.00 min
Lab File: 7M26895.D
Acq: 14 Oct 2005 18:50

Tgt Ion:228 Resp: 66809

Ion	Ratio	Lower	Upper
228	100		
229	30.4	12.2	28.4#
226	30.6	16.1	37.7

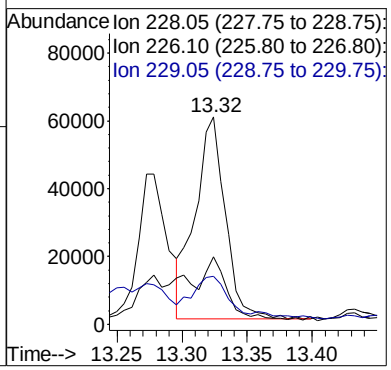


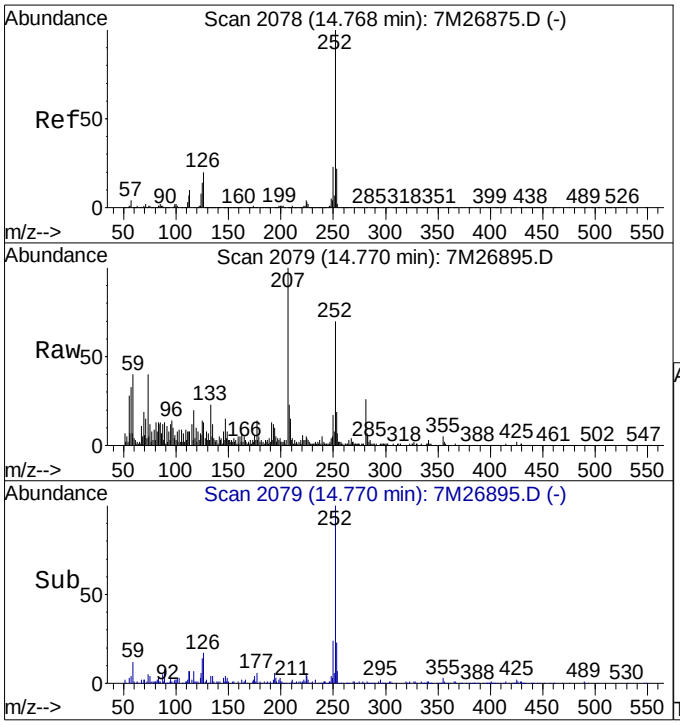


#19
Chrysene
Concen: 0.19 ug/ml
RT: 13.32 min Scan# 1826
Delta R.T. 0.00 min
Lab File: 7M26895.D
Acq: 14 Oct 2005 18:50

Tgt Ion:228 Resp: 96663

Ion	Ratio	Lower	Upper
228	100		
226	22.6	17.4	40.6
229	20.1	12.1	28.1

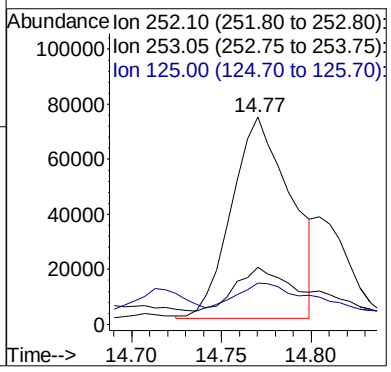


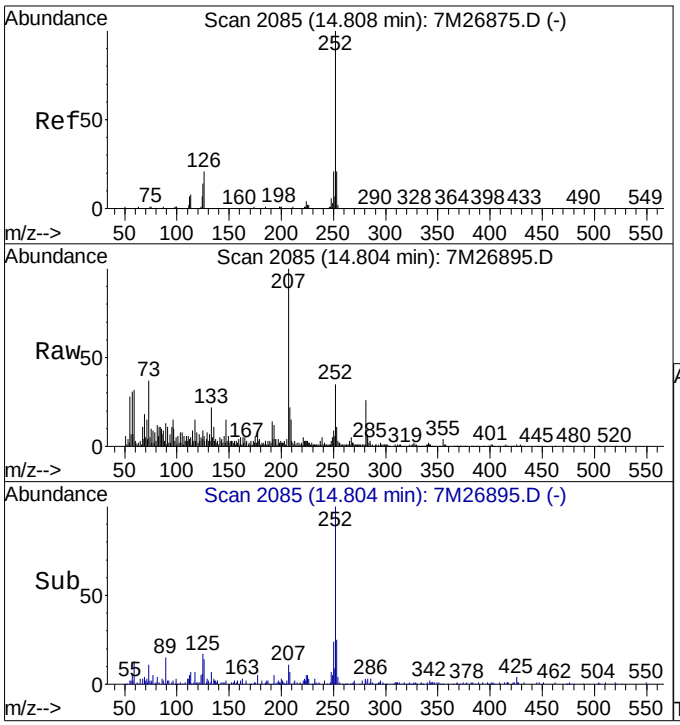


#21
Benzo[b]fluoranthene
Concen: 0.30 ug/ml m
RT: 14.77 min Scan# 2079
Delta R.T. 0.01 min
Lab File: 7M26895.D
Acq: 14 Oct 2005 18:50

Tgt Ion:252 Resp: 168884

Ion	Ratio	Lower	Upper
252	100		
253	29.1	13.4	31.2
125	20.7	9.1	21.1

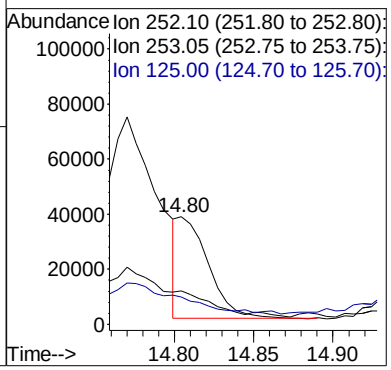


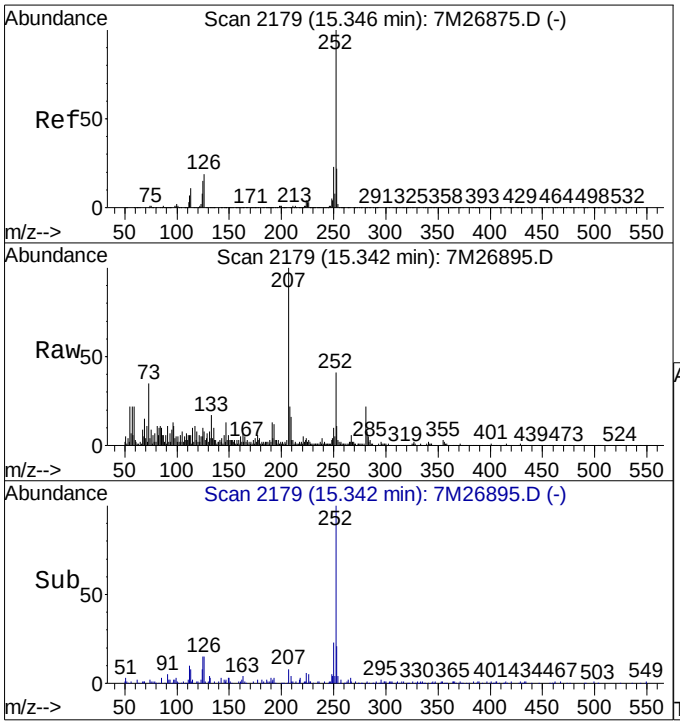


#22
Benzo[k]fluoranthene
Concen: 0.09 ug/ml m
RT: 14.80 min Scan# 2085
Delta R.T. 0.00 min
Lab File: 7M26895.D
Acq: 14 Oct 2005 18:50

Tgt Ion:252 Resp: 49204

Ion	Ratio	Lower	Upper
252	100		
253	99.8	13.3	31.1#
125	71.2	8.6	20.2#

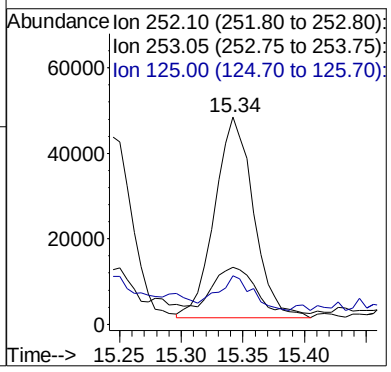


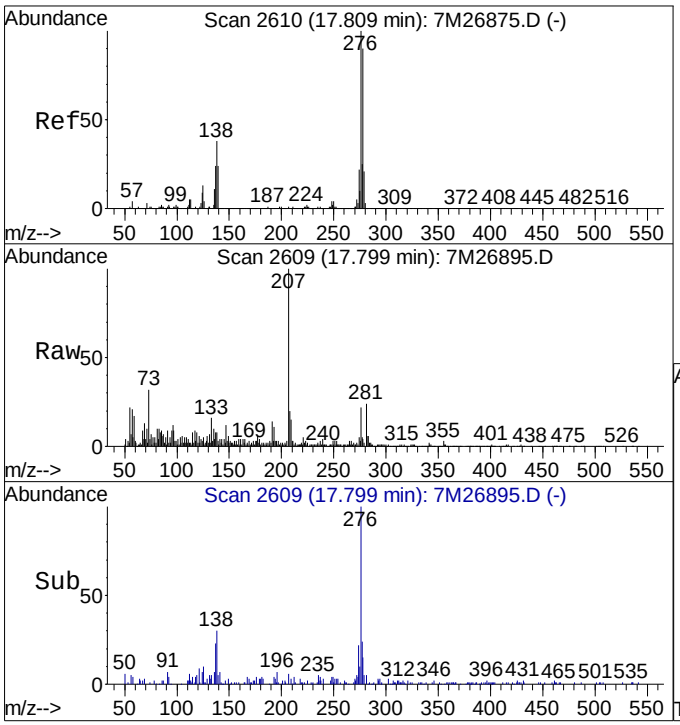


#23
Benzo[a]pyrene
Concen: 0.19 ug/ml
RT: 15.34 min Scan# 2179
Delta R.T. 0.01 min
Lab File: 7M26895.D
Acq: 14 Oct 2005 18:50

Tgt Ion:252 Resp: 102647

Ion	Ratio	Lower	Upper
252	100		
253	24.6	13.1	30.7
125	15.2	9.7	22.7

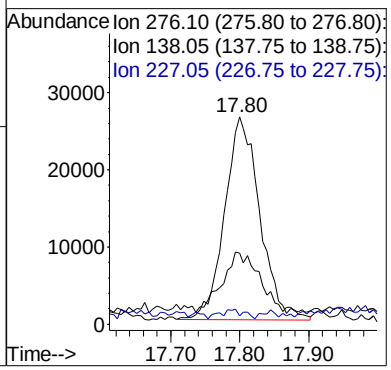


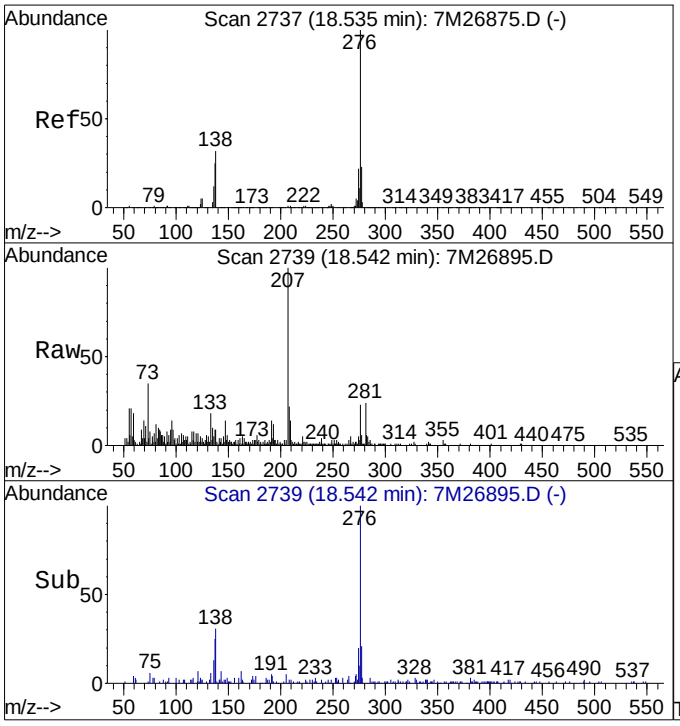


#24
Indeno[1,2,3-cd]pyrene
Concen: 0.15 ug/ml
RT: 17.80 min Scan# 2609
Delta R.T. 0.01 min
Lab File: 7M26895.D
Acq: 14 Oct 2005 18:50

Tgt Ion:276 Resp: 93103

Ion	Ratio	Lower	Upper
276	100		
138	30.7	24.5	57.1
227	3.1	0.1	0.3#

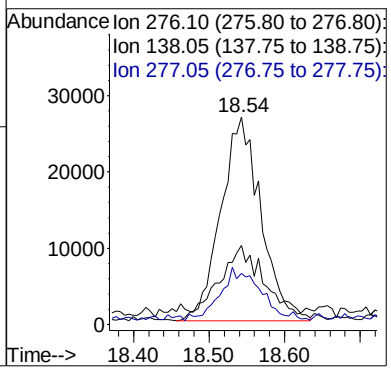




#26
Benzo[ghi]perylene
Concen: 0.19 ug/ml
RT: 18.54 min Scan# 2739
Delta R.T. 0.03 min
Lab File: 7M26895.D
Acq: 14 Oct 2005 18:50

Tgt Ion:276 Resp: 98241

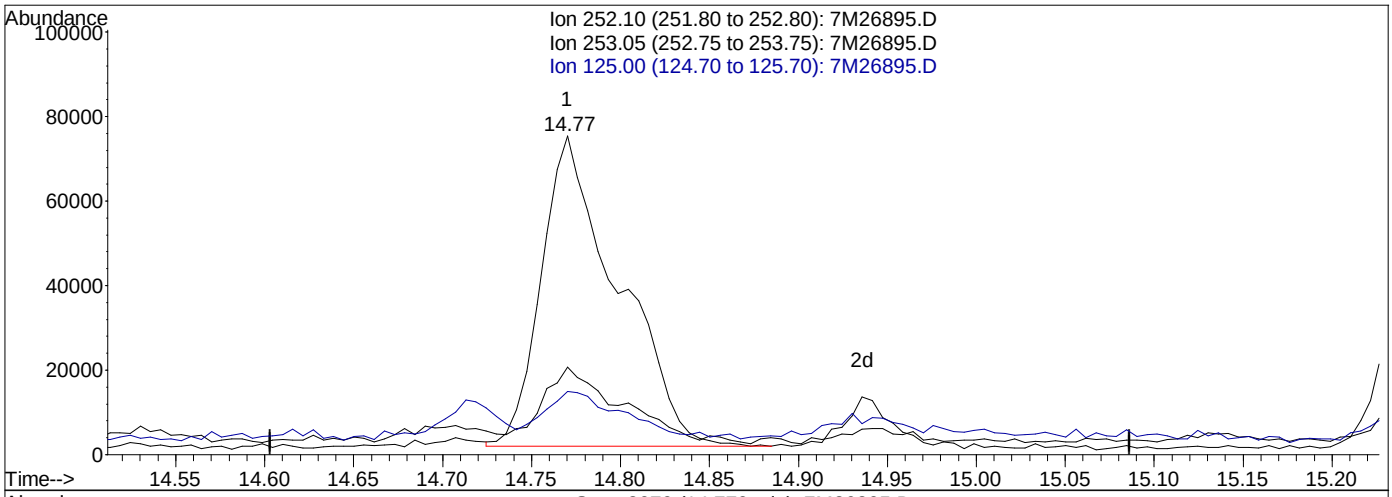
Ion	Ratio	Lower	Upper
276	100		
138	34.6	20.9	48.9
277	25.9	14.5	33.7

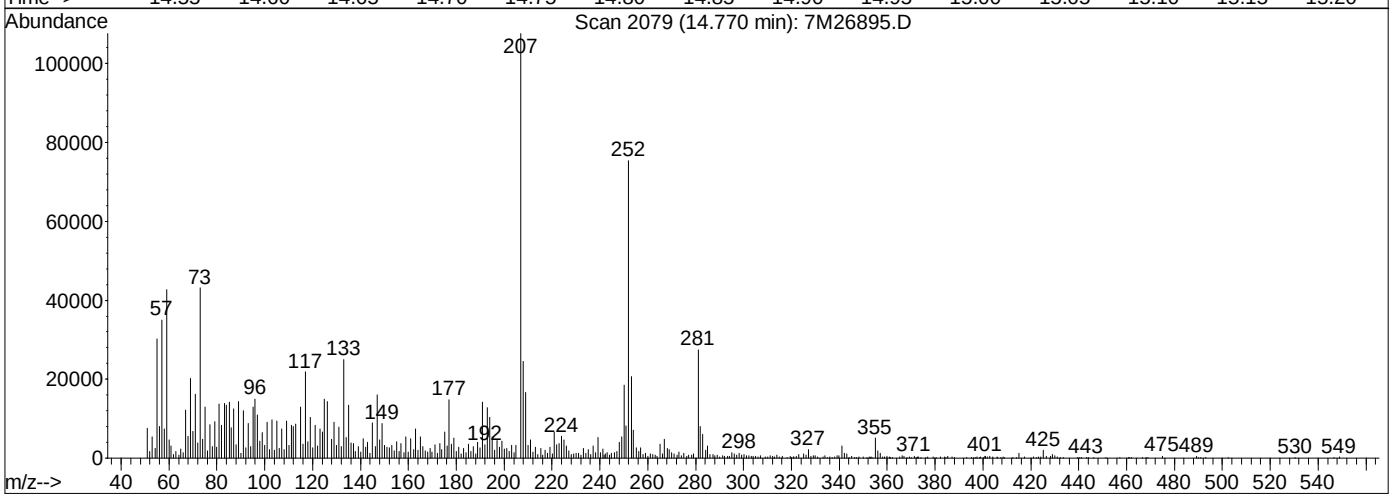


Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101405\7M26895.D Vial: 21
Acq On : 14 Oct 2005 18:50 Operator: CLK
Sample : L0510264-02 SOIL 10X Inst : HPMS7
Misc : 7,10 SOIL Multiplr: 10.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 11:12 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Mon Oct 17 10:42:25 2005
Response via : Multiple Level Calibration





TIC: 7M26895.D

(21) Benzo[b]fluoranthene

14.77min 0.39ug/ml

response 219627

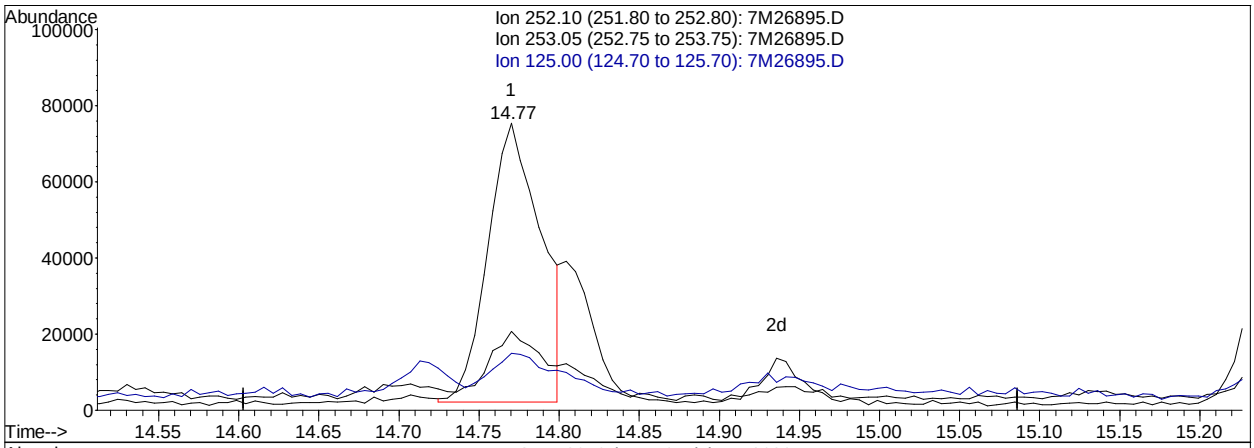
Ion	Exp%	Act%
252.10	100	100
253.05	22.30	22.41
125.00	15.10	15.96
0.00	0.00	0.00

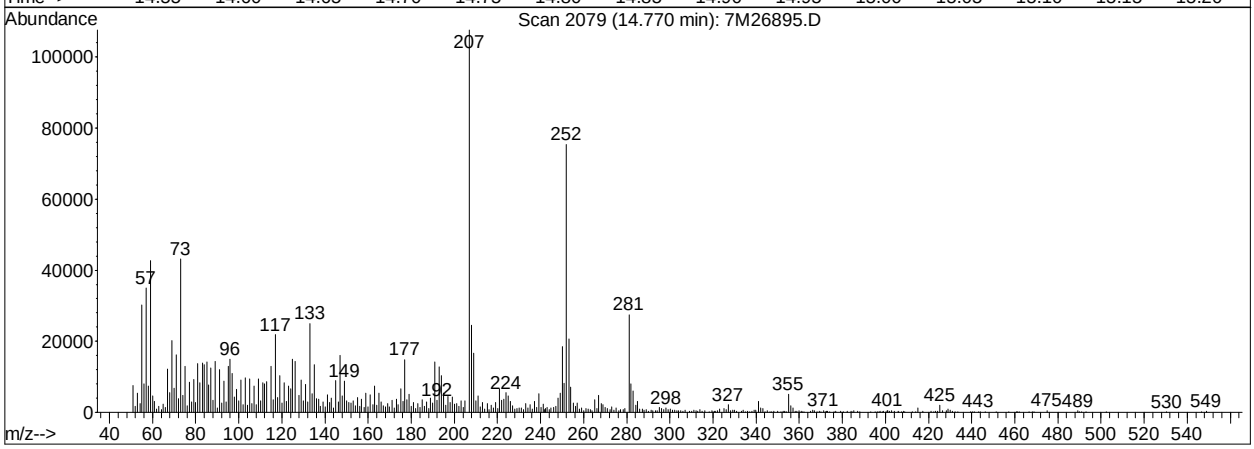
7M26895.D PAH1005.M Mon Oct 17 11:13:06 2005

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101405\7M26895.D Vial: 21
Acq On : 14 Oct 2005 18:50 Operator: CLK
Sample : L0510264-02 SOIL 10X Inst : HPMS7
Misc : 7,10 SOIL Multiplr: 10.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 11:13 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Mon Oct 17 10:42:25 2005
Response via : Multiple Level Calibration





TIC: 7M26895.D

(21) Benzo[b]fluoranthene

14.77min 0.30ug/ml m

response 168884

Ion	Exp%	Act%
252.10	100	100
253.05	22.30	29.15
125.00	15.10	20.75
0.00	0.00	0.00

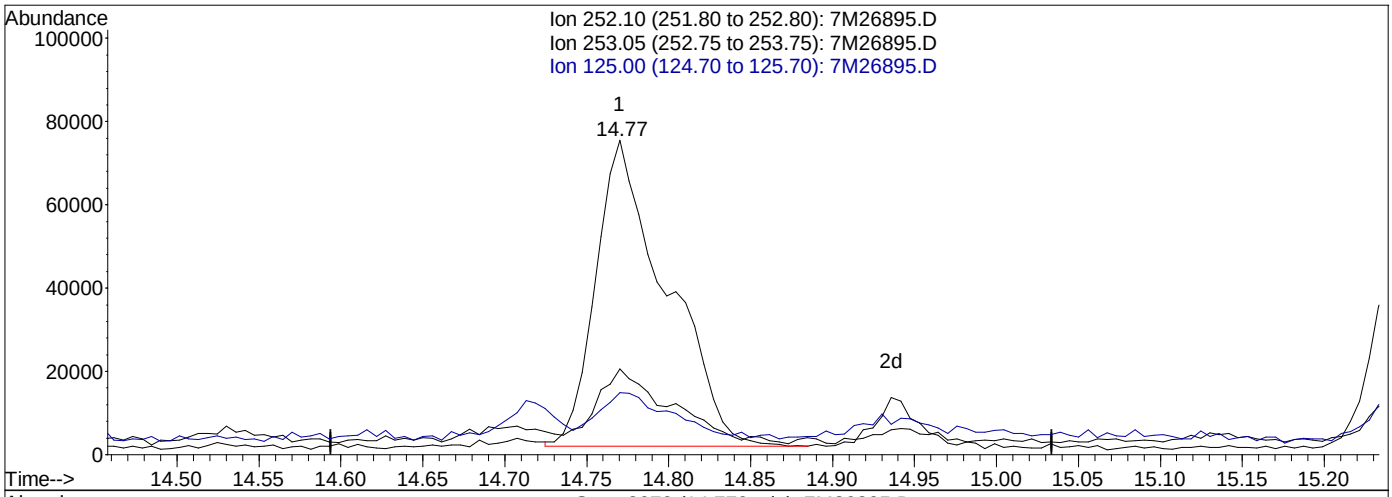
7M26895.D PAH1005.M Mon Oct 17 11:13:13 2005

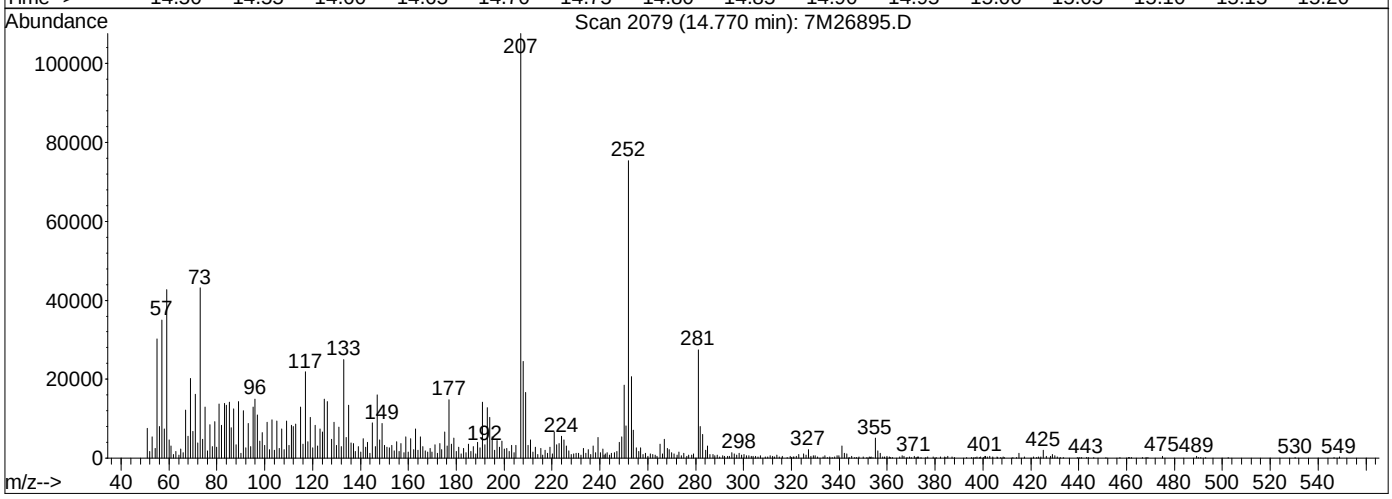
Approved: October 17, 2005	Supervisor: October 17, 2005
Reason #3: Improperly Integrated Isomers and/or coeluting compounds	

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101405\7M26895.D Vial: 21
Acq On : 14 Oct 2005 18:50 Operator: CLK
Sample : L0510264-02 SOIL 10X Inst : HPMS7
Misc : 7,10 SOIL Multiplr: 10.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 11:13 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Mon Oct 17 10:42:25 2005
Response via : Multiple Level Calibration





TIC: 7M26895.D

(22) Benzo[k]fluoranthene

14.77min 0.39ug/ml

response 219627

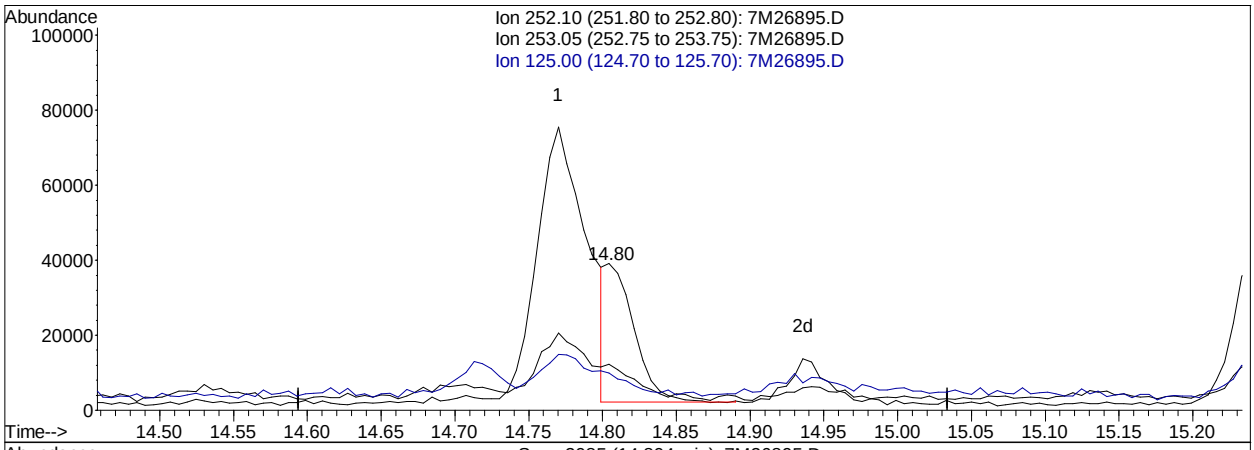
Ion	Exp%	Act%
252.10	100	100
253.05	22.20	22.36
125.00	14.40	15.96
0.00	0.00	0.00

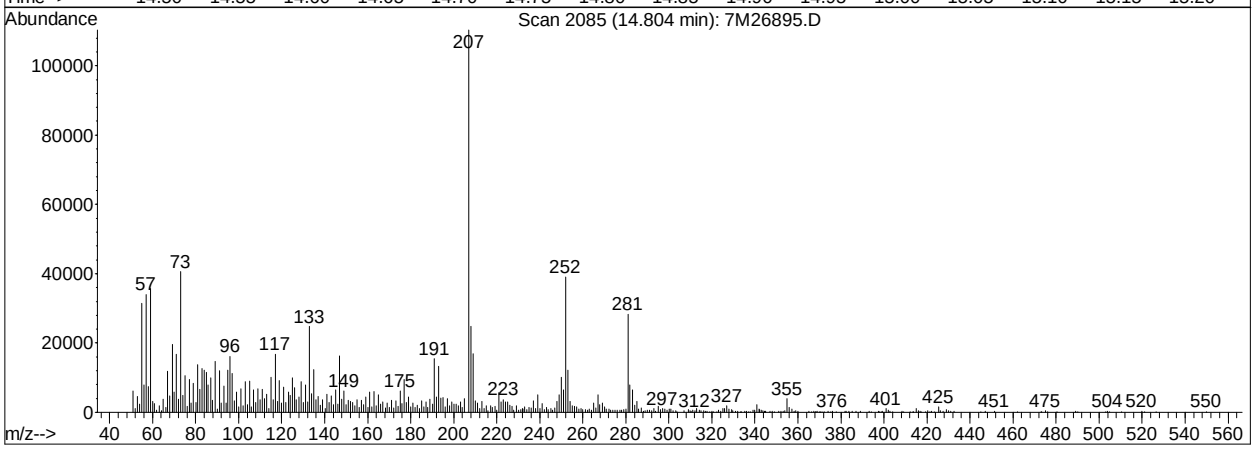
7M26895.D PAH1005.M Mon Oct 17 11:13:19 2005

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101405\7M26895.D Vial: 21
Acq On : 14 Oct 2005 18:50 Operator: CLK
Sample : L0510264-02 SOIL 10X Inst : HPMS7
Misc : 7,10 SOIL Multiplr: 10.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 11:13 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Mon Oct 17 10:42:25 2005
Response via : Multiple Level Calibration





TIC: 7M26895.D

(22) Benzo[k]fluoranthene

14.80min 0.09ug/ml m

response 49204

Ion	Exp%	Act%
252.10	100	100
253.05	22.20	99.81#
125.00	14.40	71.22#
0.00	0.00	0.00

7M26895.D PAH1005.M Mon Oct 17 11:13:26 2005

Approved: October 17, 2005	Supervisor: October 17, 2005
Reason #3: Improperly Integrated Isomers and/or coeluting compounds	

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\101805\7M26972.D Vial: 44
Acq On : 19 Oct 2005 12:27 Operator: CLK
Sample : L0510264-02 SOIL RE 10X Inst : HPMS7
Misc : 7,10,RE SOIL IH Multiplr: 10.00
MS Integration Params: RTEINT.P
Quant Time: Oct 19 12:52:19 2005 Quant Results File: PAH1018.RES

Quant Method : C:\MSDCHEM\1\METHODS\PAH1018.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/18/05
Last Update : Wed Oct 19 10:31:03 2005
Response via : Initial Calibration
DataAcq Meth : PAHL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Naphthalene-d8	5.84	136	425125	1.00 ug/ml	0.00
6) Acenaphthene-d10	8.03	164	219947	1.00 ug/ml	0.00
11) Phenanthrene-d10	9.91	188	373884	1.00 ug/ml	0.00
15) Chrysene-d12	13.27	240	467398	1.00 ug/ml	0.00
20) Perylene-d12	15.41	264	352057	1.00 ug/ml	0.01

System Monitoring Compounds					
2) Nitrobenzene-d5	4.98	82	53087	3.2144 ug/ml	0.00
Spiked Amount 2.500	Range 23 - 120		Recovery	= 128.40%#	
7) 2-Fluorobiphenyl	7.15	172	117452	3.4019 ug/ml	0.00
Spiked Amount 2.500	Range 30 - 115		Recovery	= 136.00%#	
17) p-Terphenyl-d14	11.90	244	75960	1.6980 ug/ml	0.00
Spiked Amount 2.500	Range 18 - 137		Recovery	= 68.00%	

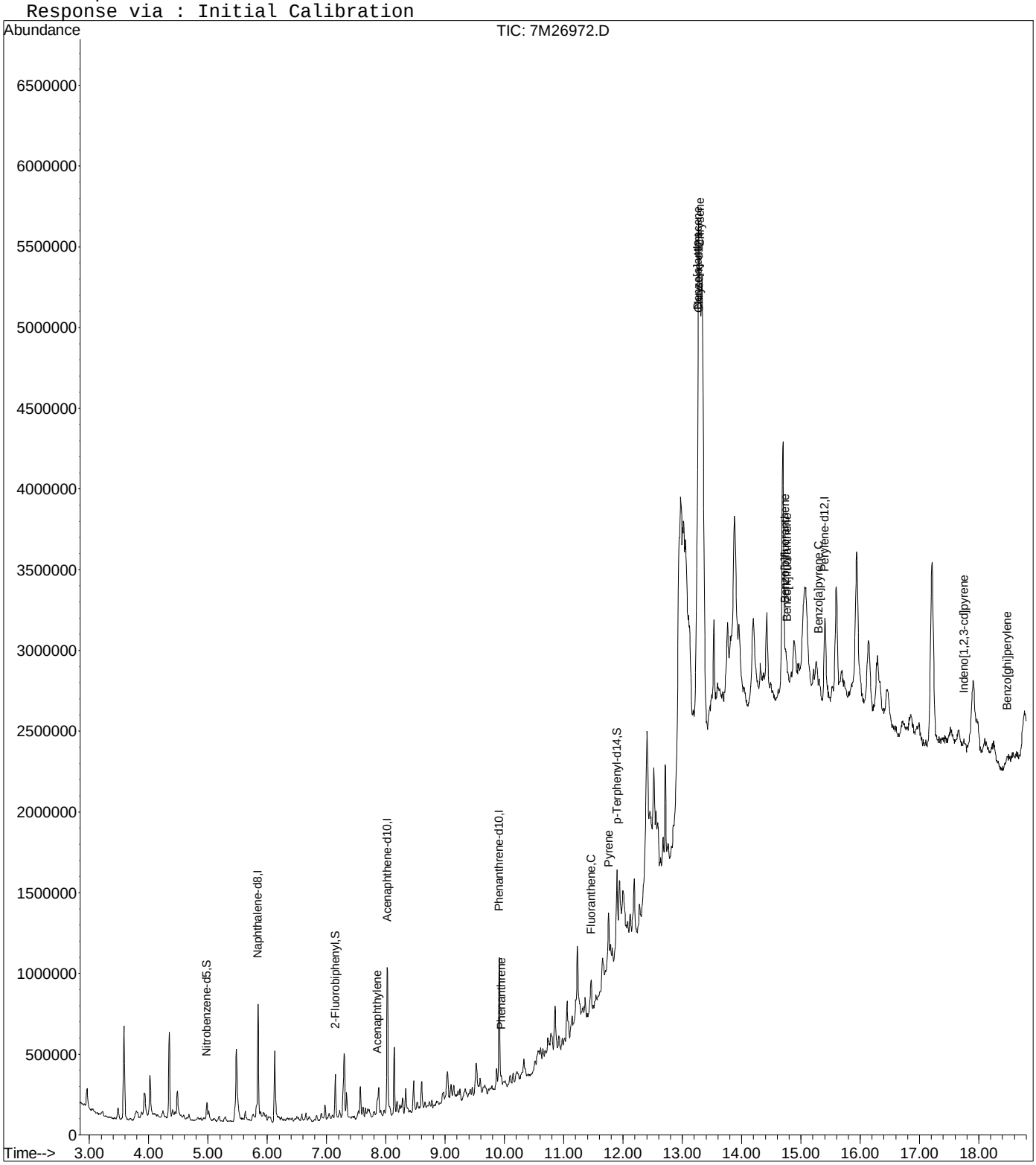
Target Compounds					Qvalue
8) Acenaphthylene	7.86	152	37841	0.0814 ug/ml	98
12) Phenanthrene	9.94	178	31422	0.0638 ug/ml	96
14) Fluoranthene	11.46	202	83262	0.1607 ug/ml	93
16) Pyrene	11.75	202	108348	0.1635 ug/ml	96
18) Benzo[a]anthracene	13.26	228	59453	0.0958 ug/ml#	33
19) Chrysene	13.30	228	106875	0.1804 ug/ml#	1
21) Benzo[b]fluoranthene	14.74	252	153702m	0.2325 ug/ml	
22) Benzo[k]fluoranthene	14.77	252	34915m	0.0548 ug/ml	
23) Benzo[a]pyrene	15.31	252	92047	0.1440 ug/ml	90
24) Indeno[1,2,3-cd]pyrene	17.76	276	72016	0.0920 ug/ml#	97
26) Benzo[ghi]perylene	18.48	276	77072	0.1195 ug/ml#	78

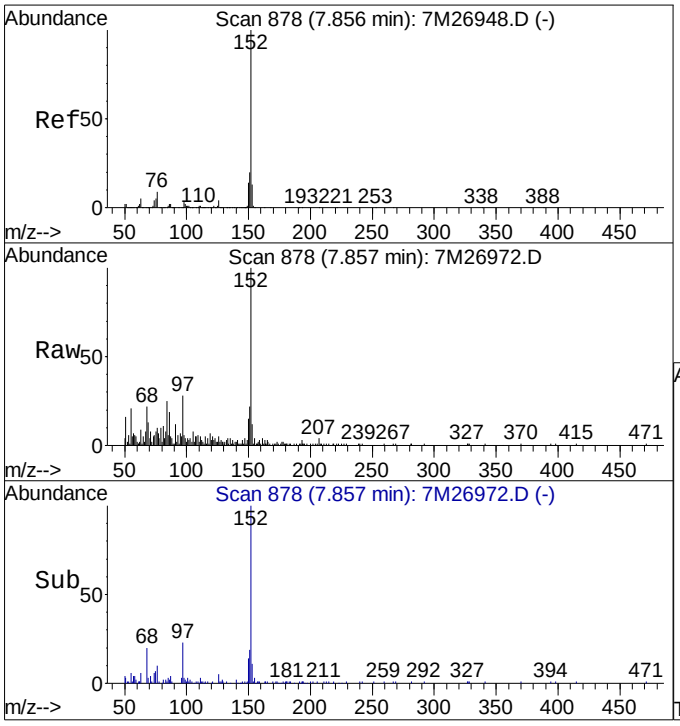
(#) = qualifier out of range (m) = manual integration
7M26972.D PAH1018.M Wed Oct 19 12:53:11 2005 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\101805\7M26972.D Vial: 44
Acq On : 19 Oct 2005 12:27 Operator: CLK
Sample : L0510264-02 SOIL RE 10X Inst : HPMS7
Misc : 7,10,RE SOIL IH Multiplr: 10.00
MS Integration Params: RTEINT.P
Quant Time: Oct 19 12:53 2005 Quant Results File: PAH1018.RES

Method : C:\MSDCHEM\1\METHODS\PAH1018.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/18/05
Last Update : Wed Oct 19 10:31:03 2005
Response via : Initial Calibration

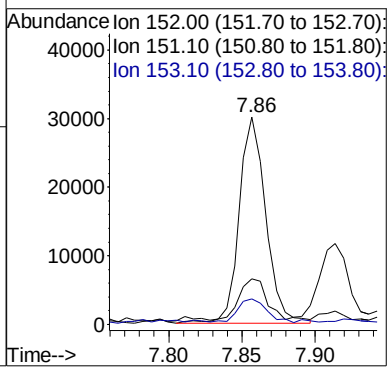


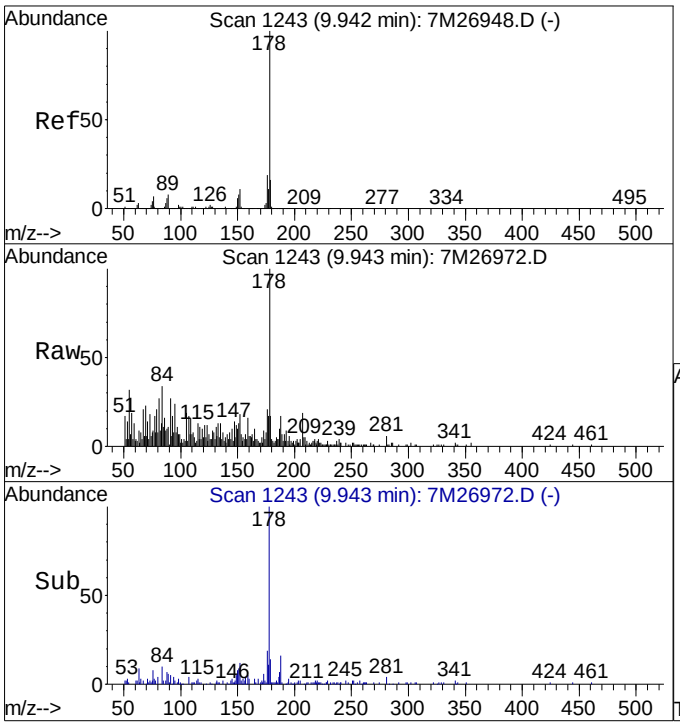


#8
Acenaphthylene
Concen: 0.08 ug/ml
RT: 7.86 min Scan# 878
Delta R.T. 0.00 min
Lab File: 7M26972.D
Acq: 19 Oct 2005 12:27

Tgt Ion:152 Resp: 37841

Ion	Ratio	Lower	Upper
152	100		
151	20.4	11.6	27.2
153	12.9	8.0	18.8

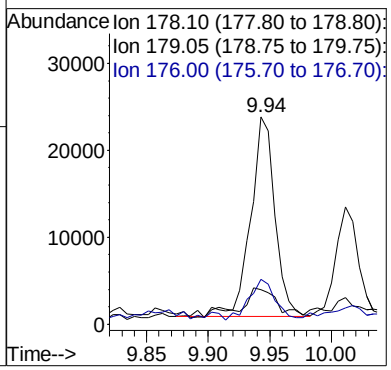


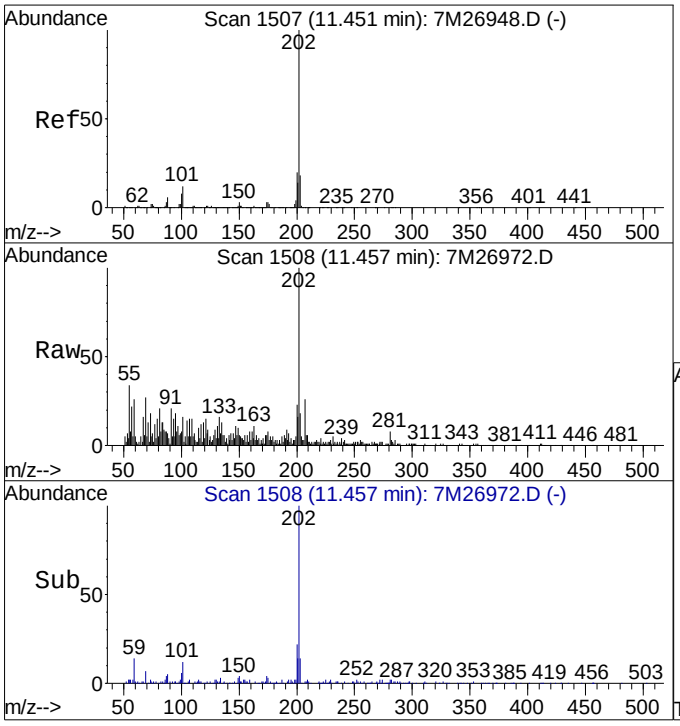


#12
Phenanthrene
Concen: 0.06 ug/ml
RT: 9.94 min Scan# 1243
Delta R.T. -0.01 min
Lab File: 7M26972.D
Acq: 19 Oct 2005 12:27

Tgt Ion:178 Resp: 31422

Ion	Ratio	Lower	Upper
178	100		
179	15.1	9.3	21.7
176	21.5	11.2	26.2

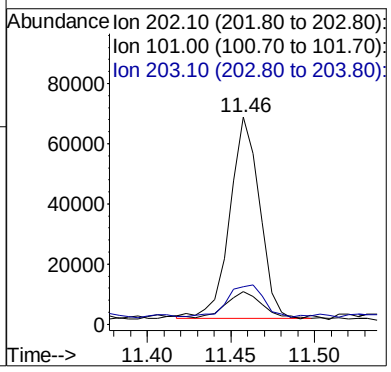


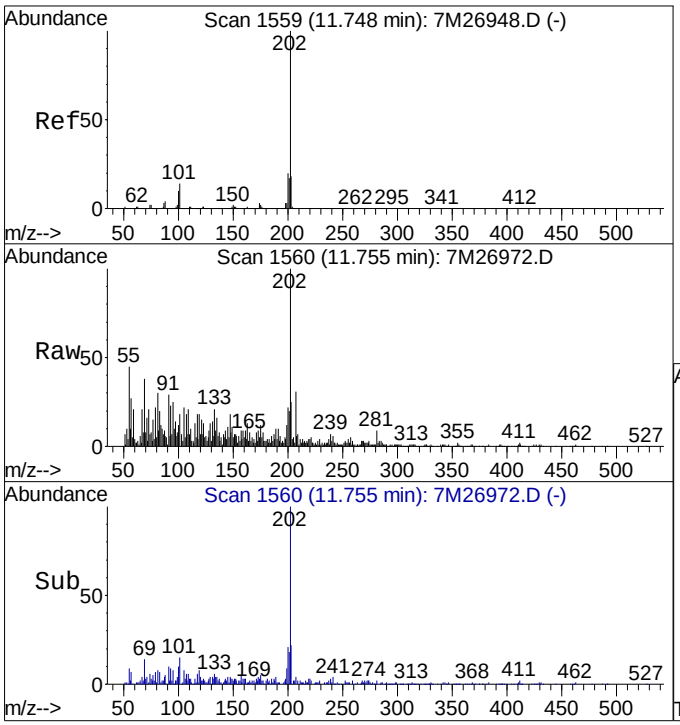


#14
Fluoranthene
Concen: 0.16 ug/ml
RT: 11.46 min Scan# 1508
Delta R.T. 0.00 min
Lab File: 7M26972.D
Acq: 19 Oct 2005 12:27

Tgt Ion:202 Resp: 83262

Ion	Ratio	Lower	Upper
202	100		
101	16.7	7.3	16.9
203	19.5	10.5	24.5

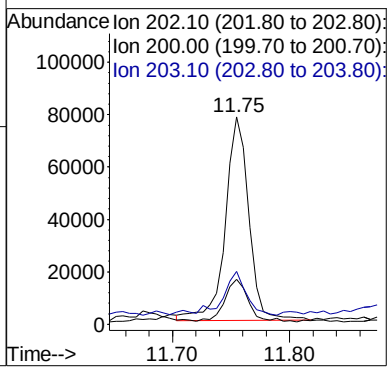


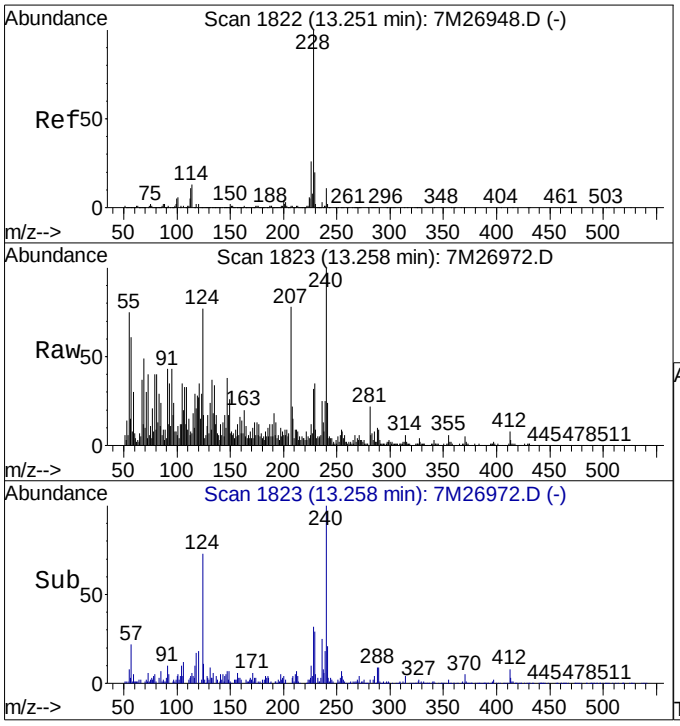


#16
Pyrene
Concen: 0.16 ug/ml
RT: 11.75 min Scan# 1560
Delta R.T. 0.00 min
Lab File: 7M26972.D
Acq: 19 Oct 2005 12:27

Tgt Ion:202 Resp: 108348

Ion	Ratio	Lower	Upper
202	100		
200	21.5	12.4	28.8
203	20.5	10.7	24.9

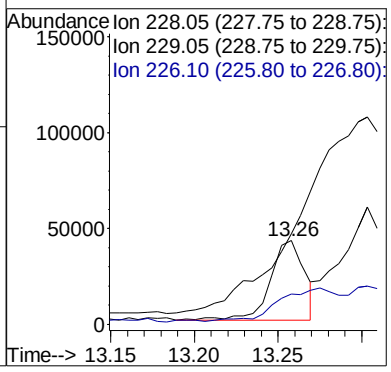


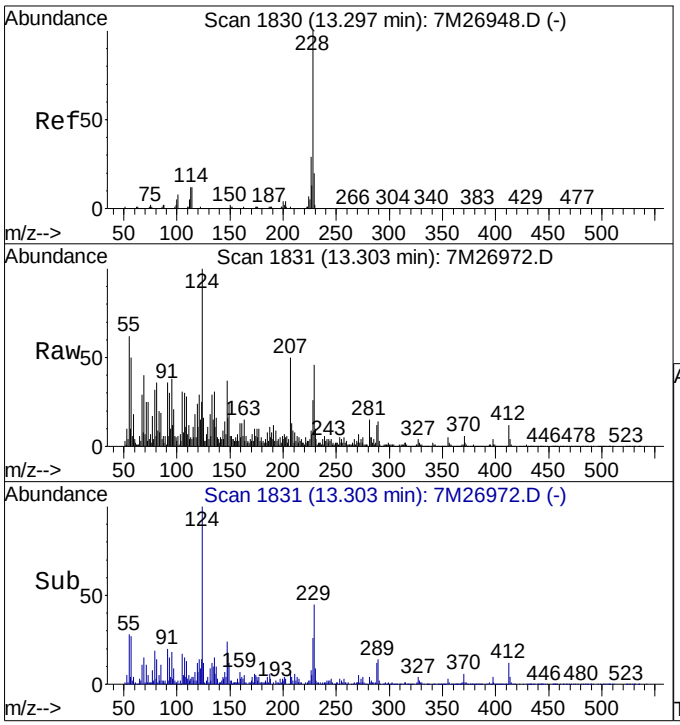


#18
Benzo[a]anthracene
Concen: 0.10 ug/ml
RT: 13.26 min Scan# 1823
Delta R.T. 0.01 min
Lab File: 7M26972.D
Acq: 19 Oct 2005 12:27

Tgt Ion:228 Resp: 59453

Ion	Ratio	Lower	Upper
228	100		
229	0.0	12.1	28.1#
226	70.1	16.1	37.5#

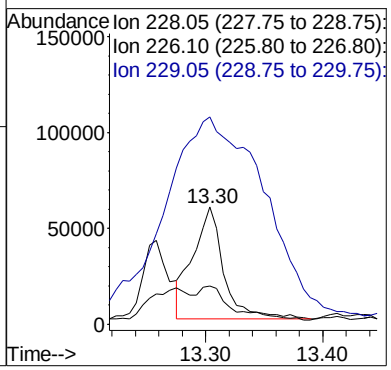


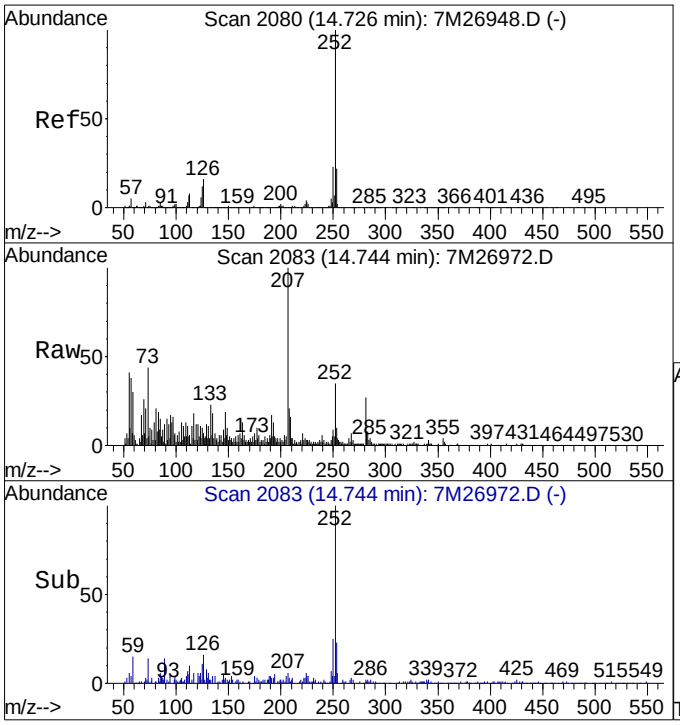


#19
Chrysene
Concen: 0.18 ug/ml
RT: 13.30 min Scan# 1831
Delta R.T. 0.01 min
Lab File: 7M26972.D
Acq: 19 Oct 2005 12:27

Tgt Ion:228 Resp: 106875

Ion	Ratio	Lower	Upper
228	100		
226	31.2	17.5	40.7
229	561.3	11.8	27.6#

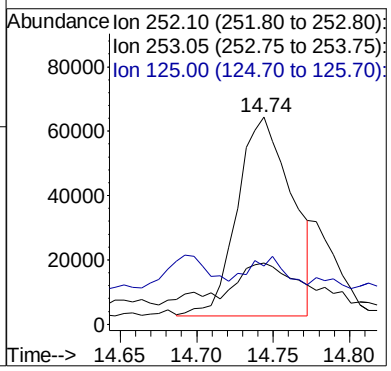


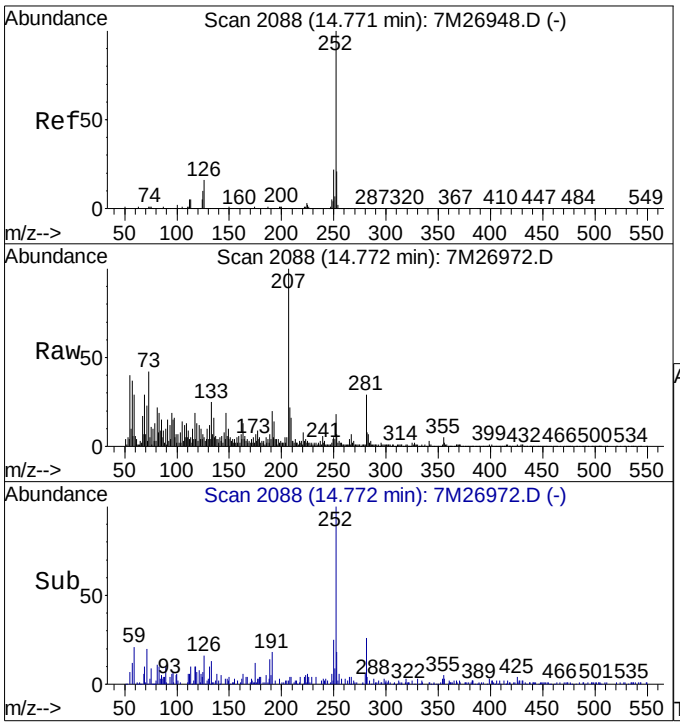


#21
Benzo[b]fluoranthene
Concen: 0.23 ug/ml m
RT: 14.74 min Scan# 2083
Delta R.T. 0.01 min
Lab File: 7M26972.D
Acq: 19 Oct 2005 12:27

Tgt Ion:252 Resp: 153702

Ion	Ratio	Lower	Upper
252	100		
253	26.3	13.2	30.8
125	11.0	6.7	15.5

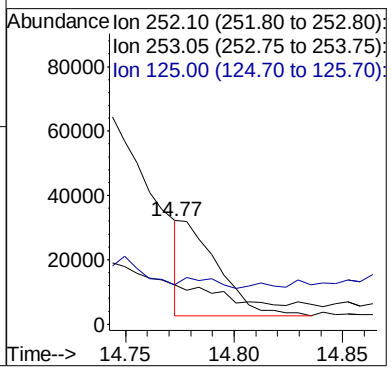


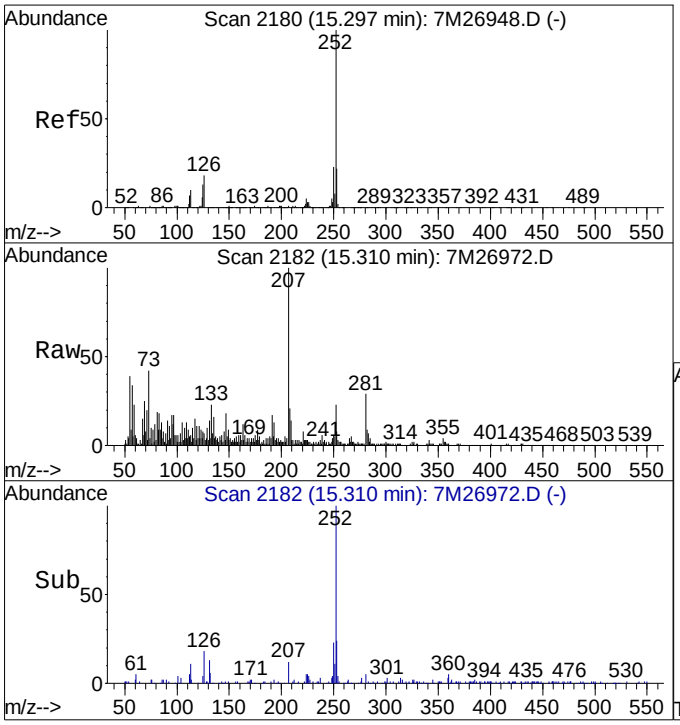


#22
Benzo[k]fluoranthene
Concen: 0.05 ug/ml m
RT: 14.77 min Scan# 2088
Delta R.T. -0.01 min
Lab File: 7M26972.D
Acq: 19 Oct 2005 12:27

Tgt Ion:252 Resp: 34915

Ion	Ratio	Lower	Upper
252	100		
253	130.0	13.1	30.5#
125	48.3	7.6	17.6#

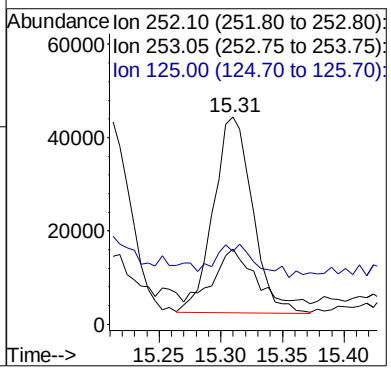


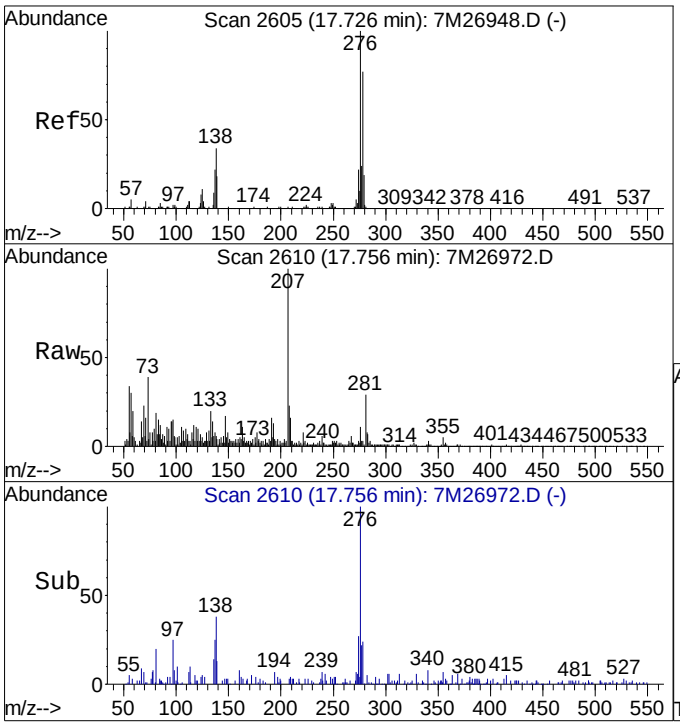


#23
Benzo[a]pyrene
Concen: 0.14 ug/ml
RT: 15.31 min Scan# 2182
Delta R.T. 0.01 min
Lab File: 7M26972.D
Acq: 19 Oct 2005 12:27

Tgt Ion:252 Resp: 92047

Ion	Ratio	Lower	Upper
252	100		
253	28.4	13.1	30.7
125	14.6	8.0	18.6

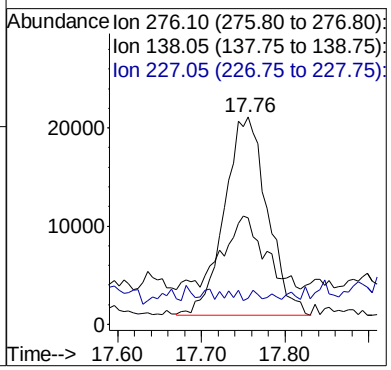


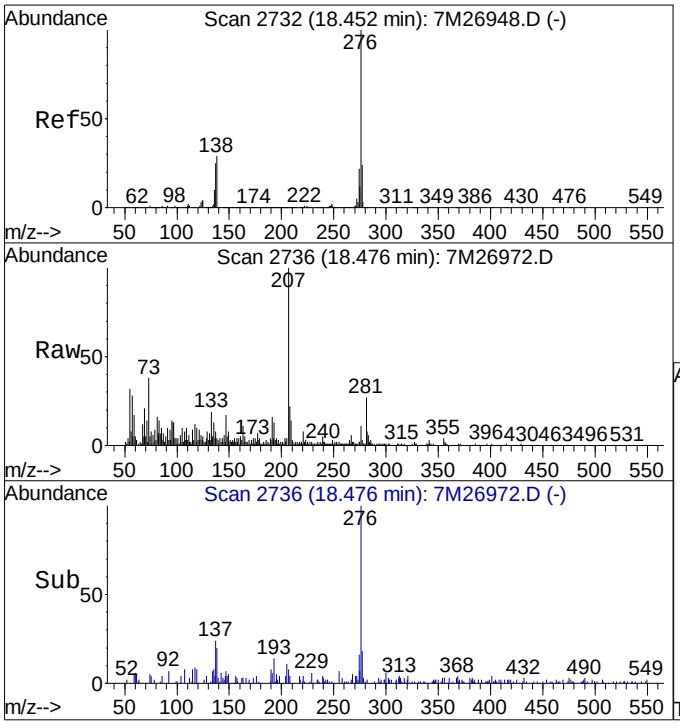


#24
Indeno[1,2,3-cd]pyrene
Concen: 0.09 ug/ml
RT: 17.76 min Scan# 2610
Delta R.T. 0.02 min
Lab File: 7M26972.D
Acq: 19 Oct 2005 12:27

Tgt Ion:276 Resp: 72016

Ion	Ratio	Lower	Upper
276	100		
138	33.8	21.2	49.4
227	1.0	0.2	0.4#

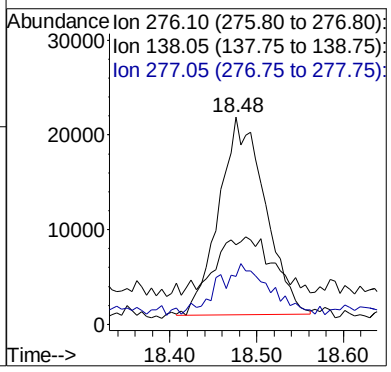




#26
Benzo[ghi]perylene
Concen: 0.12 ug/ml
RT: 18.48 min Scan# 2736
Delta R.T. 0.01 min
Lab File: 7M26972.D
Acq: 19 Oct 2005 12:27

Tgt Ion:276 Resp: 77072

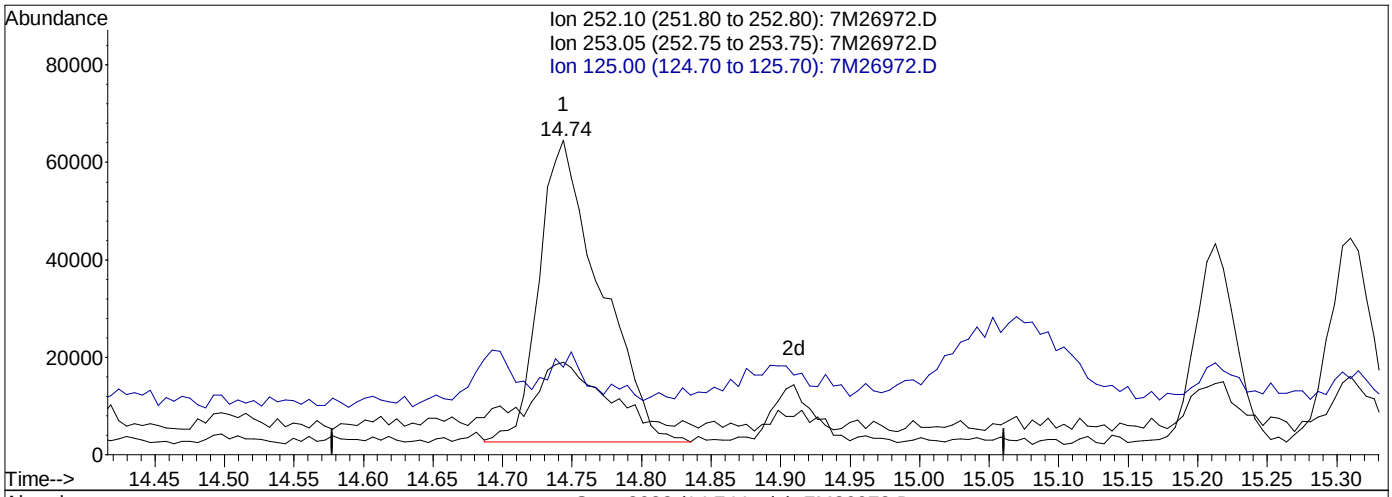
Ion	Ratio	Lower	Upper
276	100		
138	11.0	17.8	41.4#
277	20.0	13.8	32.2

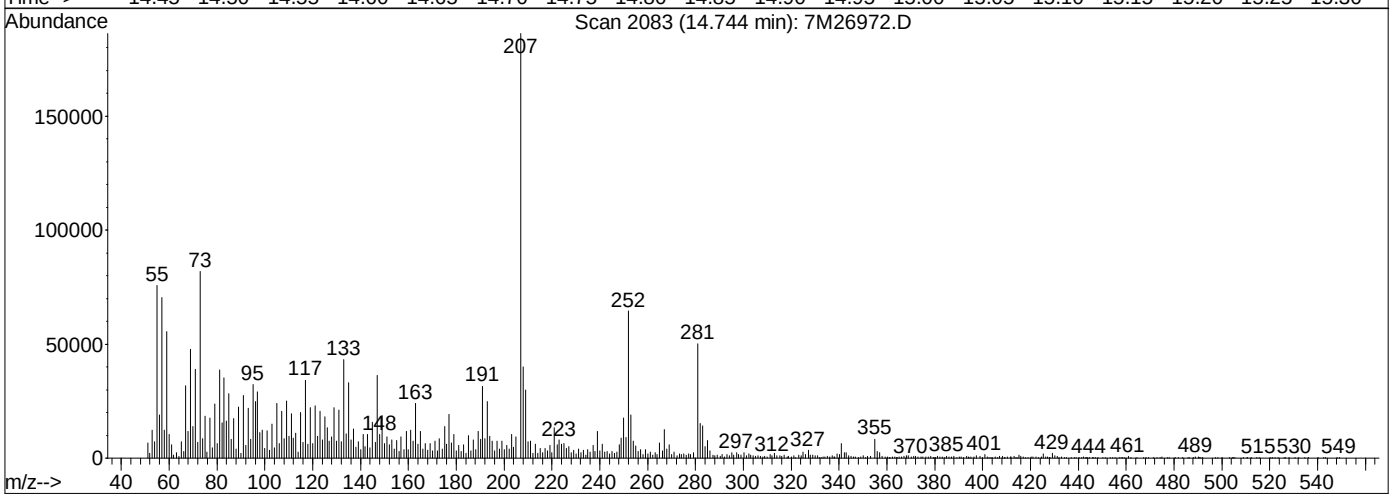


Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101805\7M26972.D Vial: 44
Acq On : 19 Oct 2005 12:27 Operator: CLK
Sample : L0510264-02 SOIL RE 10X Inst : HPMS7
Misc : 7,10,RE SOIL IH Multiplr: 10.00
MS Integration Params: RTEINT.P
Quant Time: Oct 19 12:52 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\PAH1018.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/18/05
Last Update : Wed Oct 19 10:31:03 2005
Response via : Multiple Level Calibration





TIC: 7M26972.D

(21) Benzo[b]fluoranthene

14.74min 0.29ug/ml

response 188381

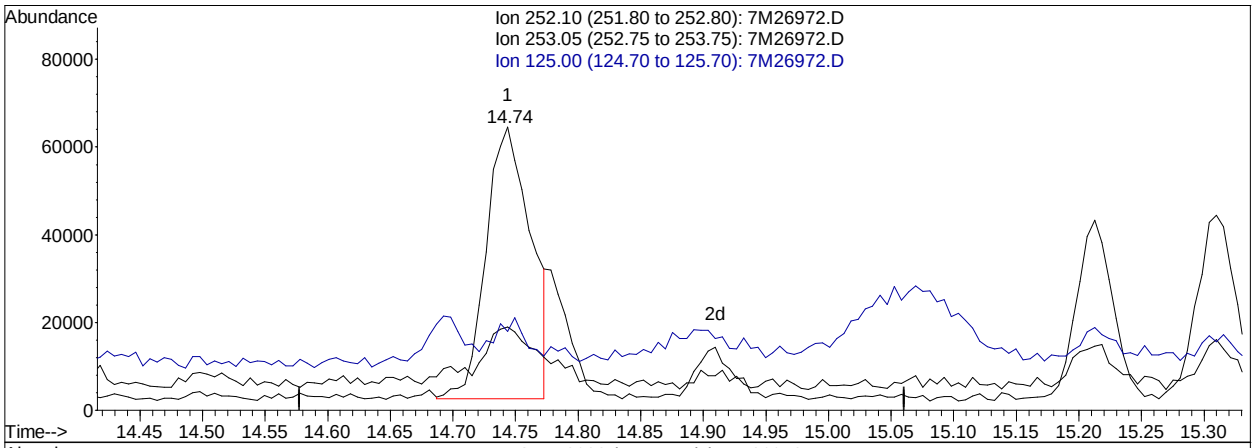
Ion	Exp%	Act%
252.10	100	100
253.05	22.00	21.48
125.00	11.10	8.94
0.00	0.00	0.00

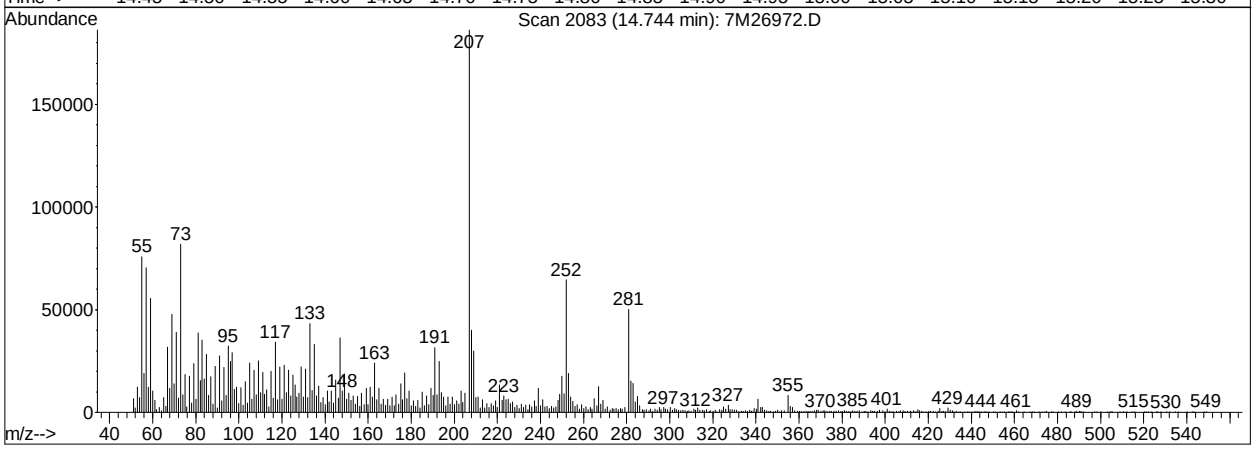
7M26972.D PAH1018.M Wed Oct 19 12:52:42 2005

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101805\7M26972.D Vial: 44
Acq On : 19 Oct 2005 12:27 Operator: CLK
Sample : L0510264-02 SOIL RE 10X Inst : HPMS7
Misc : 7,10,RE SOIL IH Multiplr: 10.00
MS Integration Params: RTEINT.P
Quant Time: Oct 19 12:52 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\PAH1018.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/18/05
Last Update : Wed Oct 19 10:31:03 2005
Response via : Multiple Level Calibration





TIC: 7M26972.D

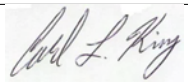
(21) Benzo[b]fluoranthene

14.74min 0.23ug/ml m

response 153702

Ion	Exp%	Act%
252.10	100	100
253.05	22.00	26.33
125.00	11.10	10.96
0.00	0.00	0.00

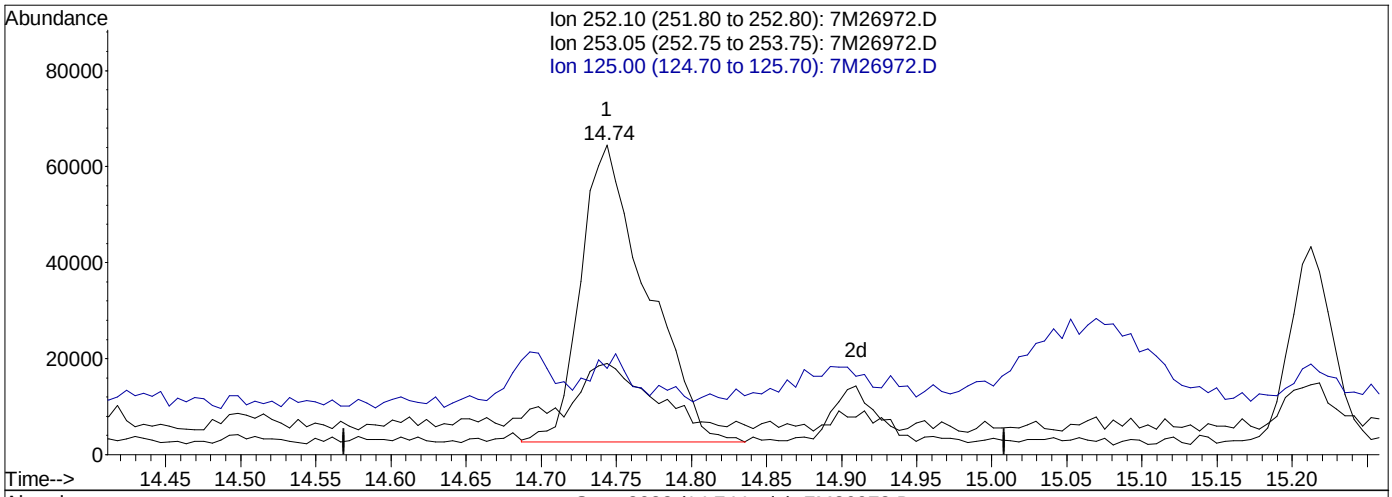
7M26972.D PAH1018.M Wed Oct 19 12:52:50 2005

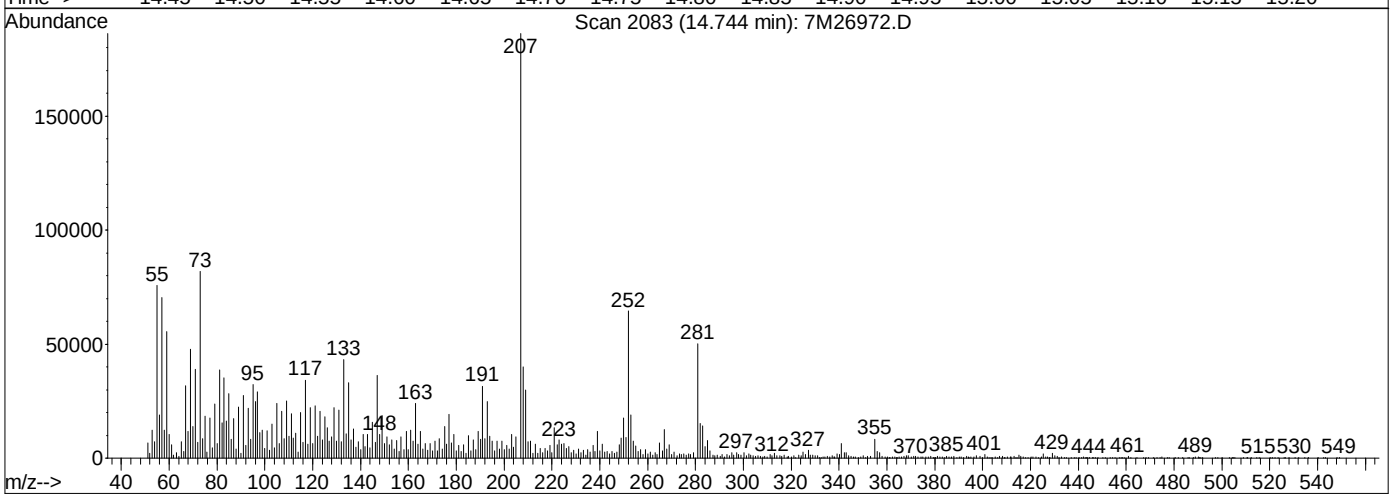
Approved: October 19, 2005	Supervisor: October 19, 2005
Reason #3: Improperly Integrated Isomers and/or coeluting compounds	
	

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101805\7M26972.D Vial: 44
Acq On : 19 Oct 2005 12:27 Operator: CLK
Sample : L0510264-02 SOIL RE 10X Inst : HPMS7
Misc : 7,10,RE SOIL IH Multiplr: 10.00
MS Integration Params: RTEINT.P
Quant Time: Oct 19 12:52 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\PAH1018.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/18/05
Last Update : Wed Oct 19 10:31:03 2005
Response via : Multiple Level Calibration





TIC: 7M26972.D

(22) Benzo[k]fluoranthene

14.74min 0.30ug/ml

response 188381

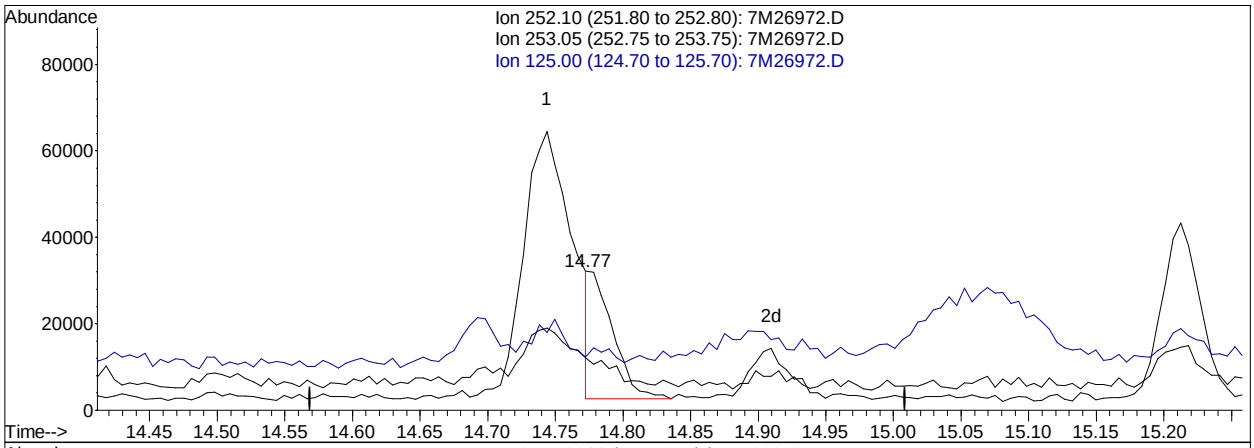
Ion	Exp%	Act%
252.10	100	100
253.05	21.80	24.09
125.00	12.60	8.94
0.00	0.00	0.00

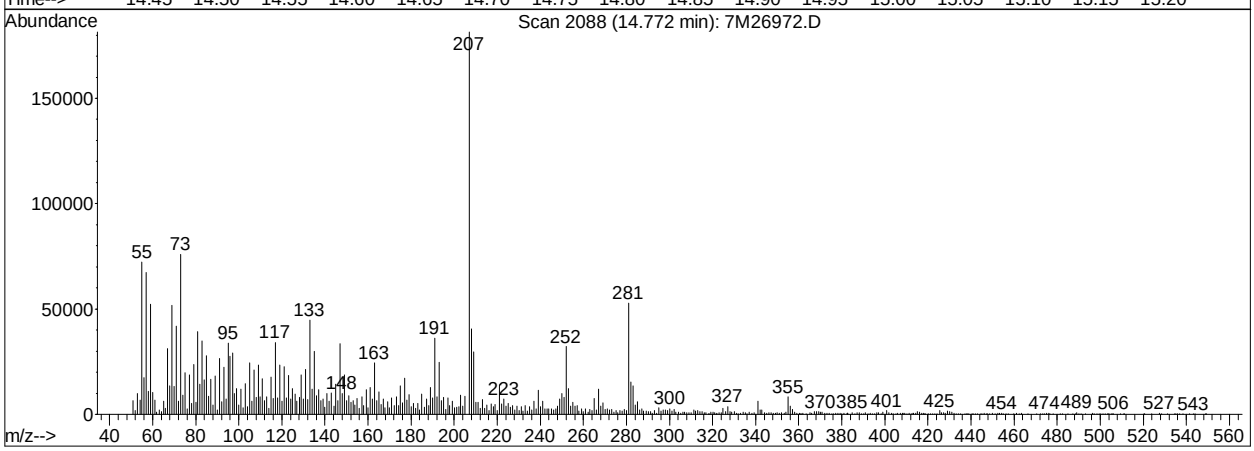
7M26972.D PAH1018.M Wed Oct 19 12:52:57 2005

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101805\7M26972.D Vial: 44
Acq On : 19 Oct 2005 12:27 Operator: CLK
Sample : L0510264-02 SOIL RE 10X Inst : HPMS7
Misc : 7,10,RE SOIL IH Multiplr: 10.00
MS Integration Params: RTEINT.P
Quant Time: Oct 19 12:53 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\PAH1018.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/18/05
Last Update : Wed Oct 19 10:31:03 2005
Response via : Multiple Level Calibration





TIC: 7M26972.D

(22) Benzo[k]fluoranthene

14.77min 0.05ug/ml m

response 34915

Ion	Exp%	Act%
252.10	100	100
253.05	21.80	129.98#
125.00	12.60	48.25#
0.00	0.00	0.00

7M26972.D PAH1018.M Wed Oct 19 12:53:04 2005

Approved: October 19, 2005	Supervisor: October 19, 2005
Reason #3: Improperly Integrated Isomers and/or coeluting compounds	

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101405\7M26893.D Vial: 19
Acq On : 14 Oct 2005 17:58 Operator: CLK
Sample : L0510264-03 SOIL Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 11:12:37 2005 Quant Results File: PAH1005.RES

Quant Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Mon Oct 17 10:42:25 2005
Response via : Initial Calibration
DataAcq Meth : PAHL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Naphthalene-d8	5.87	136	515768	1.00 ug/ml	0.00
6) Acenaphthene-d10	8.05	164	267555	1.00 ug/ml	0.00
11) Phenanthrene-d10	9.94	188	424692	1.00 ug/ml	0.00
15) Chrysene-d12	13.29	240	395306	1.00 ug/ml	0.00
20) Perylene-d12	15.44	264	321021	1.00 ug/ml	0.00

System Monitoring Compounds

2) Nitrobenzene-d5	5.01	82	342361	1.6976 ug/ml	0.00
Spiked Amount 2.500	Range 23 - 120		Recovery = 68.00%		
7) 2-Fluorobiphenyl	7.17	172	710759	1.7683 ug/ml	0.00
Spiked Amount 2.500	Range 30 - 115		Recovery = 70.80%		
17) p-Terphenyl-d14	11.92	244	826478	2.0878 ug/ml	0.00
Spiked Amount 2.500	Range 18 - 137		Recovery = 83.60%		

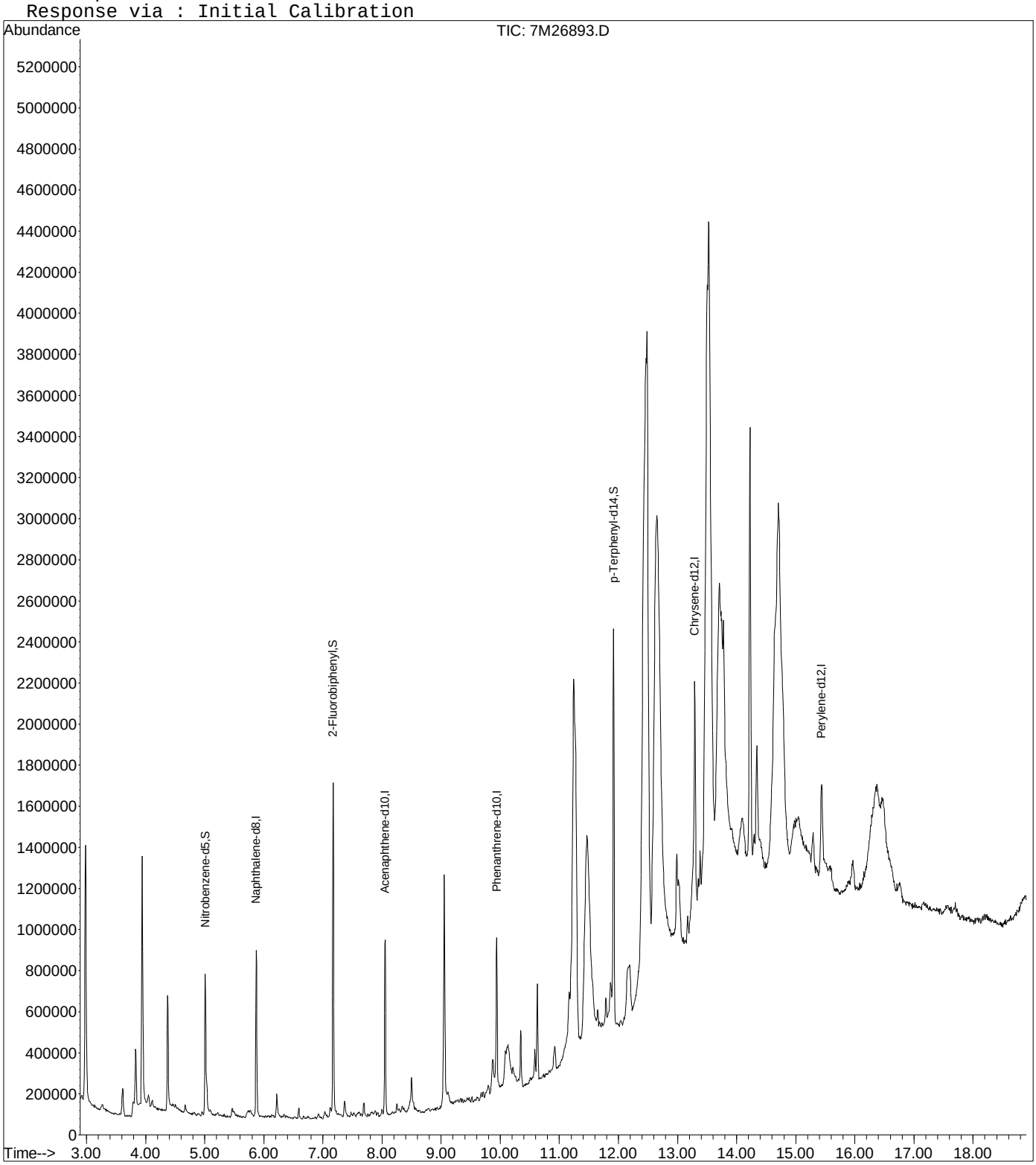
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration
7M26893.D PAH1005.M Mon Oct 17 11:12:37 2005 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101405\7M26893.D Vial: 19
Acq On : 14 Oct 2005 17:58 Operator: CLK
Sample : L0510264-03 SOIL Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 11:12 2005 Quant Results File: PAH1005.RES

Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Mon Oct 17 10:42:25 2005
Response via : Initial Calibration



7M26893.D PAH1005.M Mon Oct 17 11:12:38 2005 Page 2

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101805\7M26956.D Vial: 28
Acq On : 19 Oct 2005 5:28 Operator: CLK
Sample : L0510264-03 SOIL RE Inst : HPMS7
Misc : 7,1,RE SOIL IH Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 19 13:17:51 2005 Quant Results File: PAH1018.RES

Quant Method : C:\MSDCHEM\1\METHODS\PAH1018.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/18/05
Last Update : Wed Oct 19 10:31:03 2005
Response via : Initial Calibration
DataAcq Meth : PAHL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Naphthalene-d8	5.85	136	444540	1.00 ug/ml	0.00
6) Acenaphthene-d10	8.02	164	229287	1.00 ug/ml	0.00
11) Phenanthrene-d10	9.91	188	381275	1.00 ug/ml	0.00
15) Chrysene-d12	13.26	240	391561	1.00 ug/ml	0.00
20) Perylene-d12	15.39	264	342515	1.00 ug/ml	0.00

System Monitoring Compounds

2) Nitrobenzene-d5	4.98	82	353226	2.0454 ug/ml	0.00
Spiked Amount 2.500	Range 23 - 120		Recovery = 82.00%		
7) 2-Fluorobiphenyl	7.14	172	637235	1.7705 ug/ml	0.00
Spiked Amount 2.500	Range 30 - 115		Recovery = 70.80%		
17) p-Terphenyl-d14	11.89	244	840812	2.2436 ug/ml	0.00
Spiked Amount 2.500	Range 18 - 137		Recovery = 89.60%		

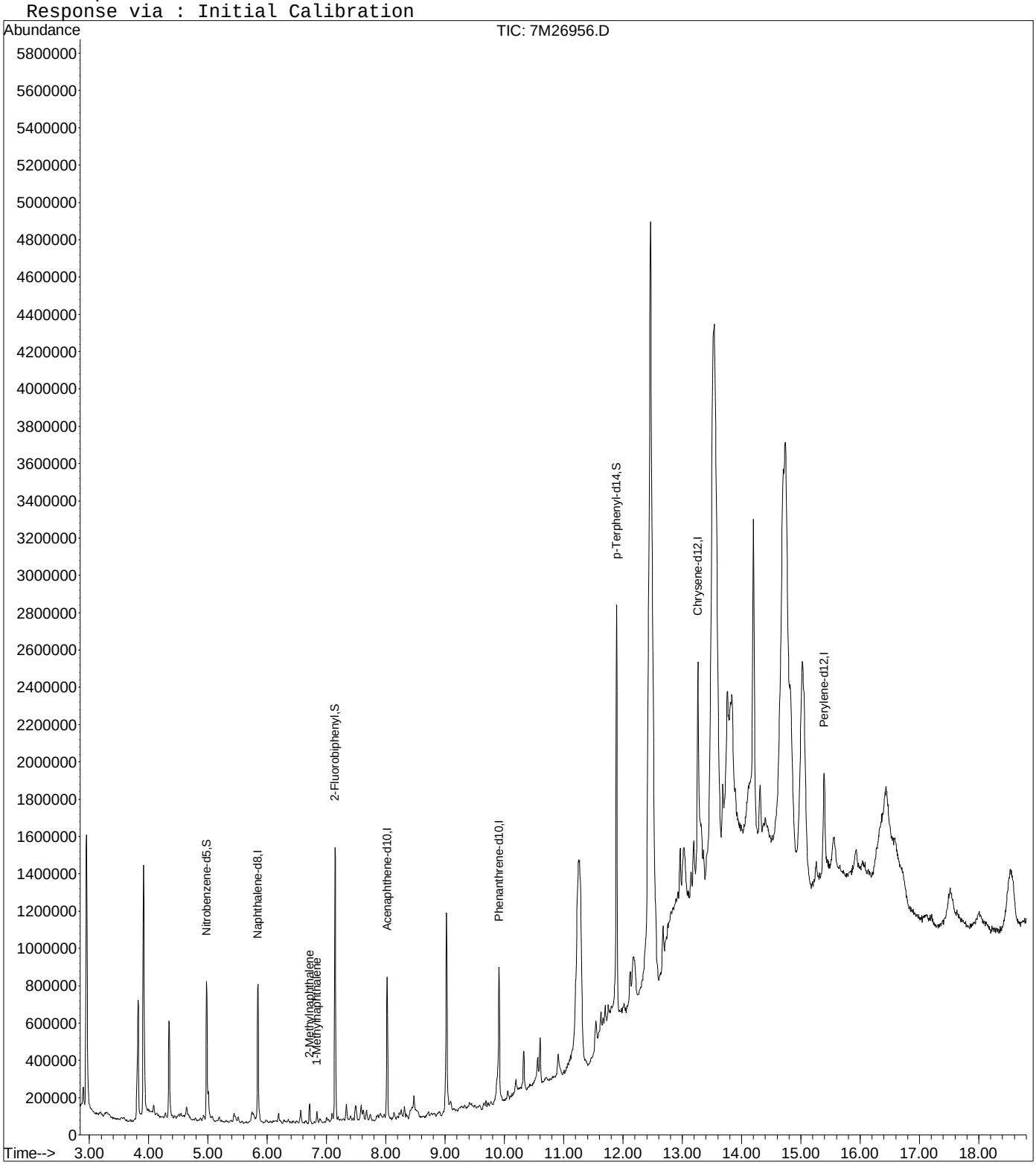
Target Compounds					Qvalue
4) 2-Methylnaphthalene	6.71	142	39982	0.1238 ug/ml	97
5) 1-Methylnaphthalene	6.84	142	24007	0.0752 ug/ml	95

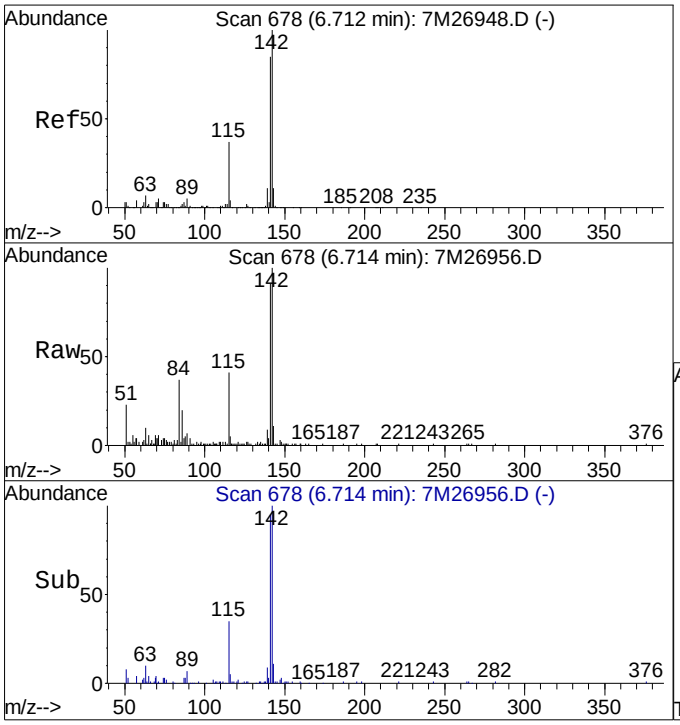
(#) = qualifier out of range (m) = manual integration
7M26956.D PAH1018.M Wed Oct 19 13:17:52 2005 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101805\7M26956.D Vial: 28
Acq On : 19 Oct 2005 5:28 Operator: CLK
Sample : L0510264-03 SOIL RE Inst : HPMS7
Misc : 7,1,RE SOIL IH Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 19 13:17 2005 Quant Results File: PAH1018.RES

Method : C:\MSDCHEM\1\METHODS\PAH1018.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/18/05
Last Update : Wed Oct 19 10:31:03 2005
Response via : Initial Calibration

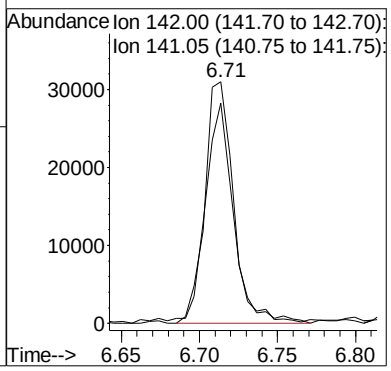


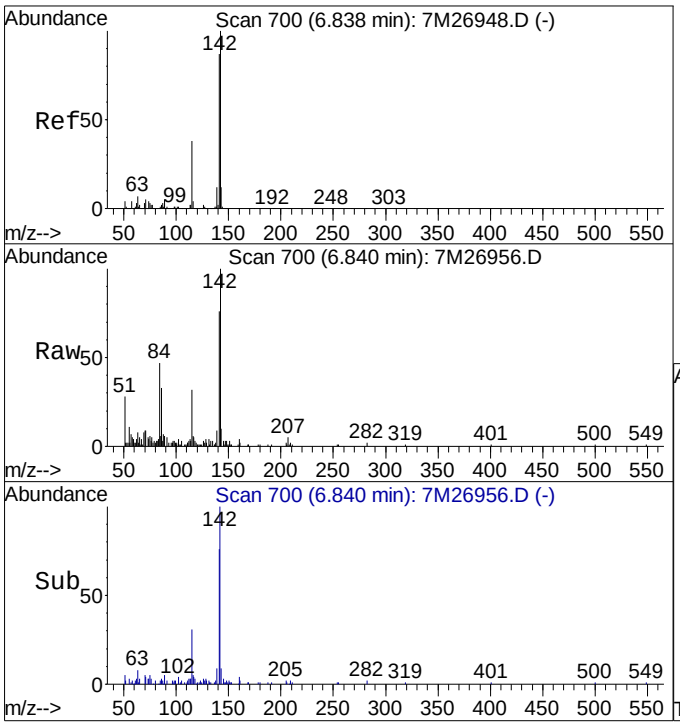


#4
2-Methylnaphthalene
Concen: 0.12 ug/ml
RT: 6.71 min Scan# 678
Delta R.T. 0.00 min
Lab File: 7M26956.D
Acq: 19 Oct 2005 5:28

Tgt Ion:142 Resp: 39982

Ion	Ratio	Lower	Upper
142	100		
141	86.1	50.2	117.0

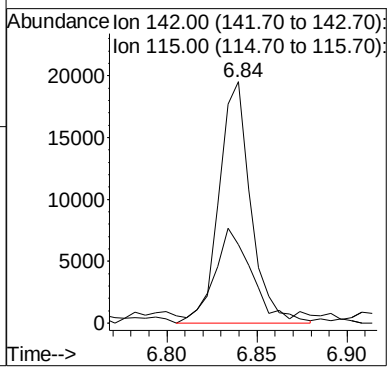




#5
1-Methylnaphthalene
Concen: 0.08 ug/ml
RT: 6.84 min Scan# 700
Delta R.T. 0.00 min
Lab File: 7M26956.D
Acq: 19 Oct 2005 5:28

Tgt Ion:142 Resp: 24007

Ion	Ratio	Lower	Upper
142	100		
115	40.6	22.6	52.6



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\101405\7M26896.D Vial: 22
Acq On : 14 Oct 2005 19:17 Operator: CLK
Sample : L0510264-04 SOIL Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 12:40:22 2005 Quant Results File: PAH1005.RES

Quant Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Mon Oct 17 10:42:25 2005
Response via : Initial Calibration
DataAcq Meth : PAHL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Naphthalene-d8	5.87	136	558057	1.00 ug/ml	0.00
6) Acenaphthene-d10	8.05	164	281974	1.00 ug/ml	0.00
11) Phenanthrene-d10	9.94	188	464707	1.00 ug/ml	0.00
15) Chrysene-d12	13.29	240	469418	1.00 ug/ml	0.00
20) Perylene-d12	15.44	264	369449	1.00 ug/ml	0.01

System Monitoring Compounds					
2) Nitrobenzene-d5	5.01	82	544423	2.4949 ug/ml	0.00
Spiked Amount 2.500	Range 23 - 120		Recovery	= 99.60%	
7) 2-Fluorobiphenyl	7.17	172	1152569	2.7209 ug/ml	0.00
Spiked Amount 2.500	Range 30 - 115		Recovery	= 108.80%	
17) p-Terphenyl-d14	11.92	244	680024	1.4466 ug/ml	0.00
Spiked Amount 2.500	Range 18 - 137		Recovery	= 58.00%	

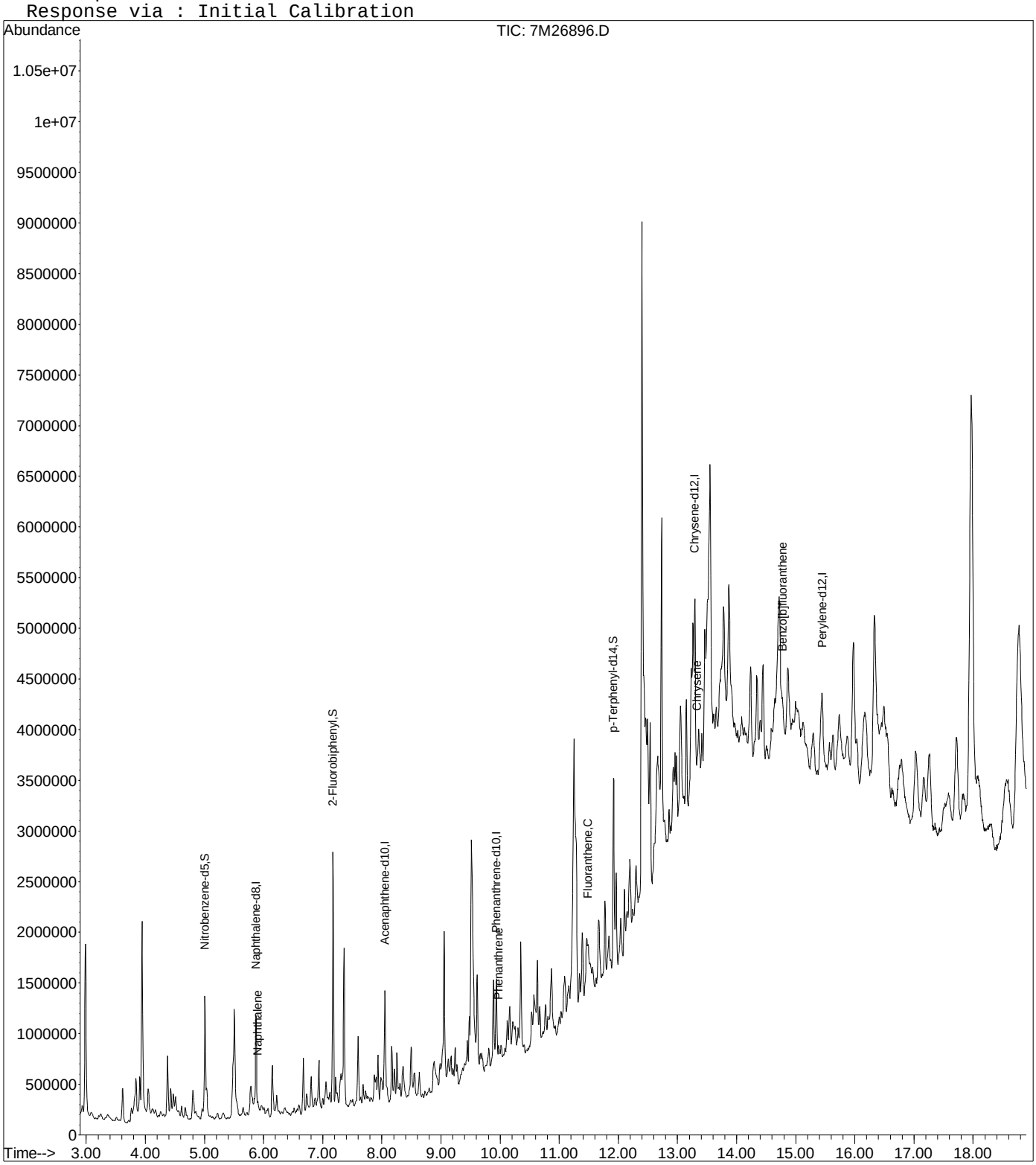
Target Compounds					Qvalue
3) Naphthalene	5.90	128	52078	0.0833 ug/ml	98
12) Phenanthrene	9.97	178	67027	0.1113 ug/ml	92
14) Fluoranthene	11.48	202	41913	0.0656 ug/ml#	23
19) Chrysene	13.33	228	31230	0.0522 ug/ml#	53
21) Benzo[b]fluoranthene	14.77	252	38748m	0.0577 ug/ml	

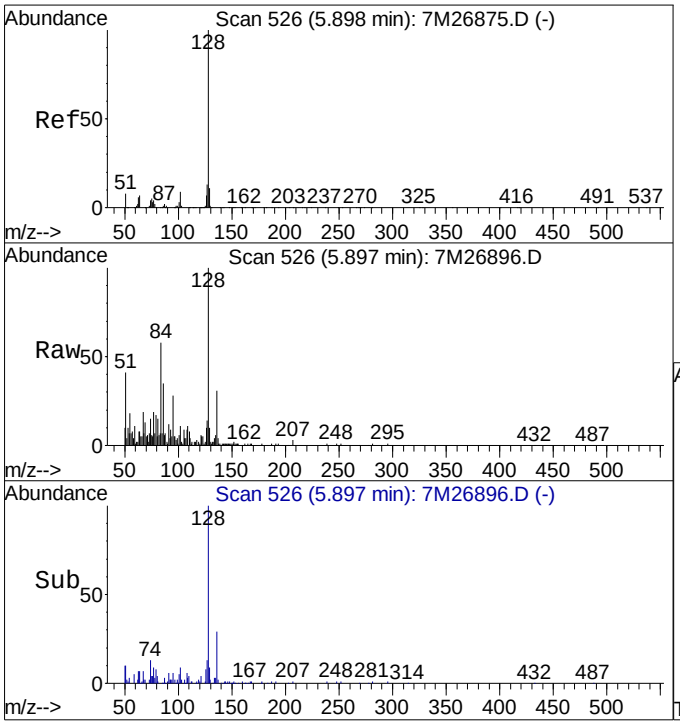
(#) = qualifier out of range (m) = manual integration
7M26896.D PAH1005.M Mon Oct 17 12:41:09 2005 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\101405\7M26896.D Vial: 22
Acq On : 14 Oct 2005 19:17 Operator: CLK
Sample : L0510264-04 SOIL Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 12:40 2005 Quant Results File: PAH1005.RES

Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Mon Oct 17 10:42:25 2005
Response via : Initial Calibration

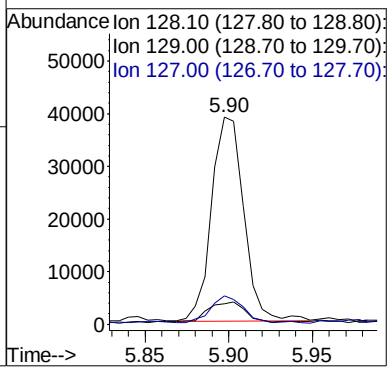


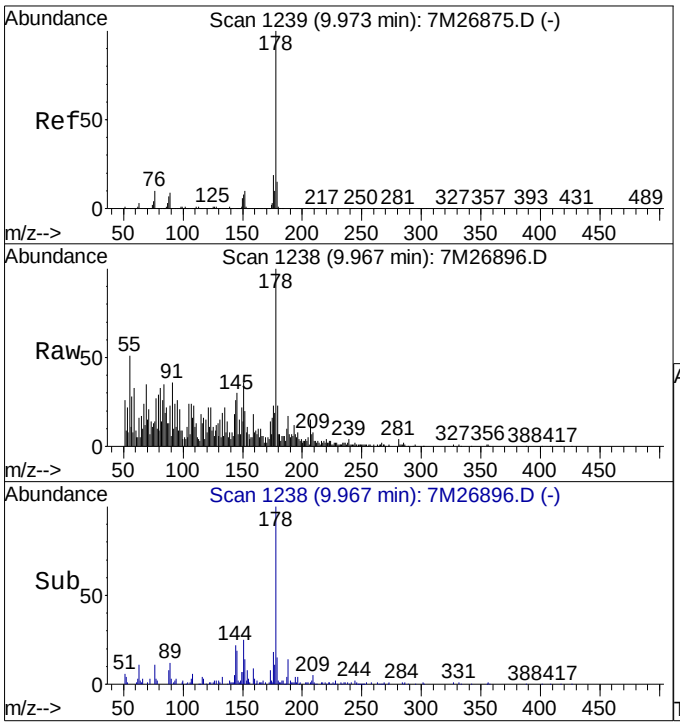


#3
Naphthalene
Concen: 0.08 ug/ml
RT: 5.90 min Scan# 526
Delta R.T. -0.00 min
Lab File: 7M26896.D
Acq: 14 Oct 2005 19:17

Tgt Ion:128 Resp: 52078

Ion	Ratio	Lower	Upper
128	100		
129	12.4	6.7	15.7
127	13.7	7.8	18.2

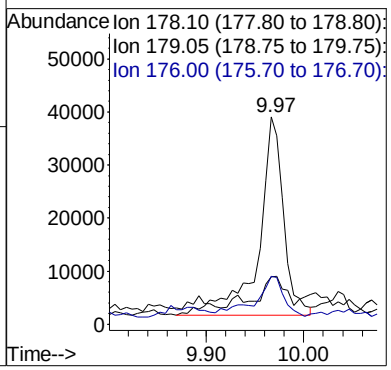


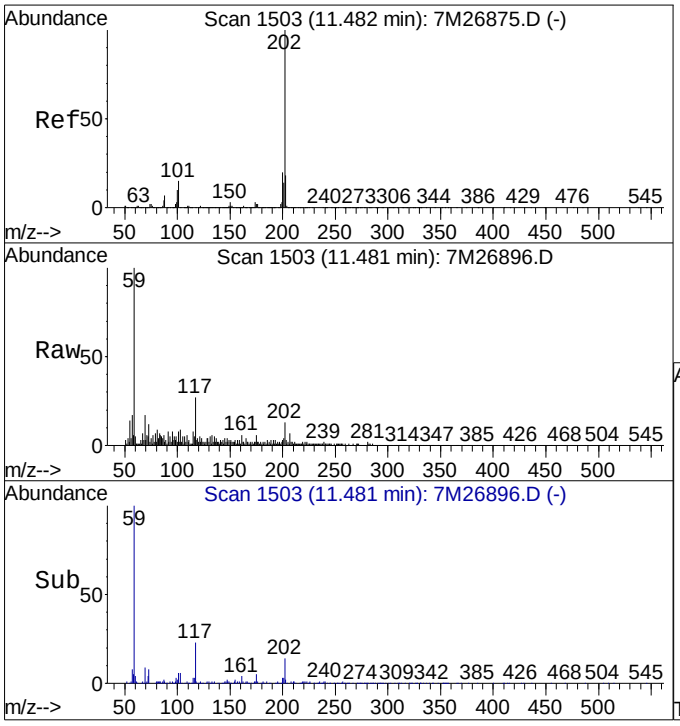


#12
Phenanthrene
Concen: 0.11 ug/ml
RT: 9.97 min Scan# 1238
Delta R.T. -0.00 min
Lab File: 7M26896.D
Acq: 14 Oct 2005 19:17

Tgt Ion:178 Resp: 67027

Ion	Ratio	Lower	Upper
178	100		
179	12.7	9.4	22.0
176	23.5	11.5	26.7

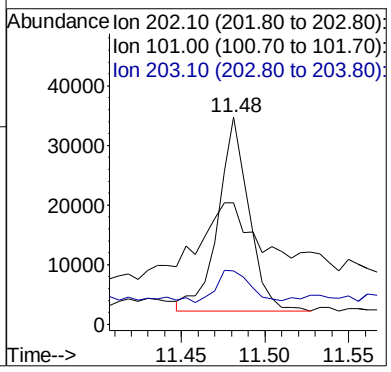


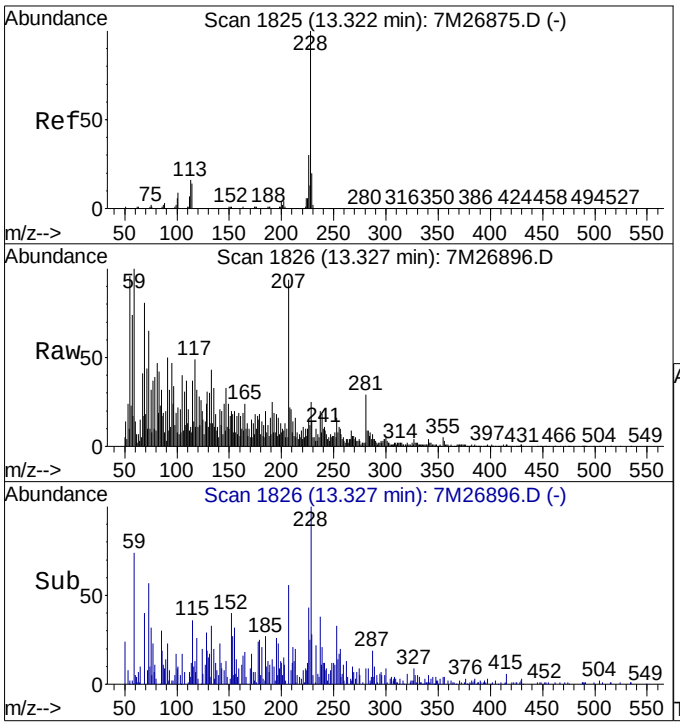


#14
Fluoranthene
Concen: 0.07 ug/ml
RT: 11.48 min Scan# 1503
Delta R.T. 0.00 min
Lab File: 7M26896.D
Acq: 14 Oct 2005 19:17

Tgt Ion:202 Resp: 41913

Ion	Ratio	Lower	Upper
202	100		
101	84.6	9.9	23.1#
203	18.2	10.6	24.8

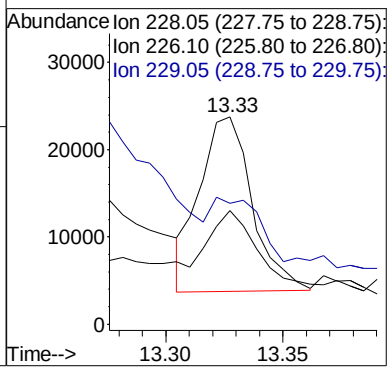


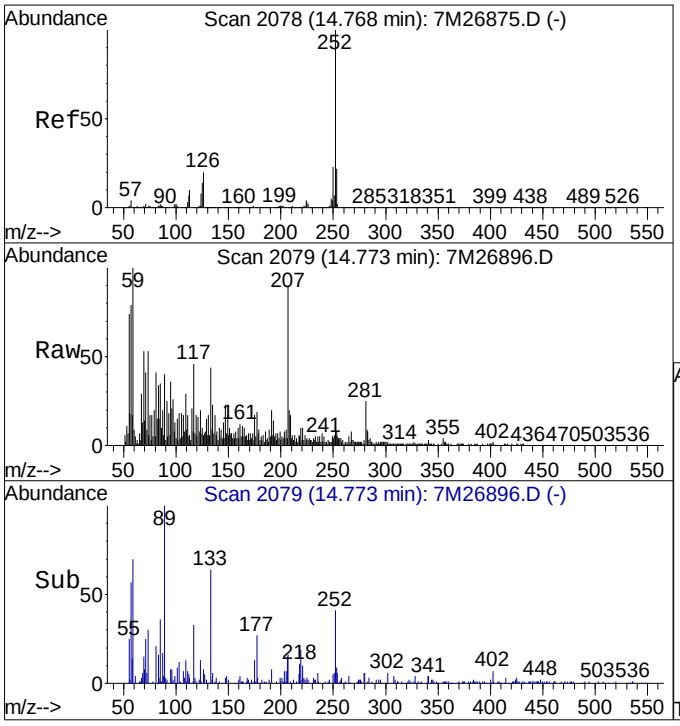


#19
Chrysene
Concen: 0.05 ug/ml
RT: 13.33 min Scan# 1826
Delta R.T. 0.00 min
Lab File: 7M26896.D
Acq: 14 Oct 2005 19:17

Tgt Ion:228 Resp: 31230

Ion	Ratio	Lower	Upper
228	100		
226	46.2	17.4	40.6#
229	51.6	12.1	28.1#

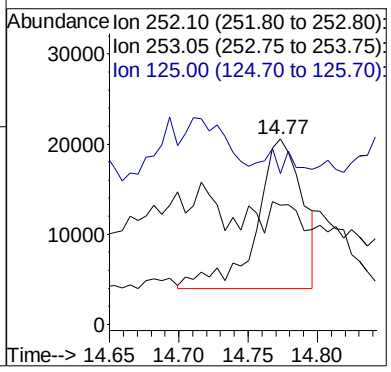




#21
Benzo[b]fluoranthene
Concen: 0.06 ug/ml m
RT: 14.77 min Scan# 2079
Delta R.T. 0.02 min
Lab File: 7M26896.D
Acq: 14 Oct 2005 19:17

Tgt Ion:252 Resp: 38748

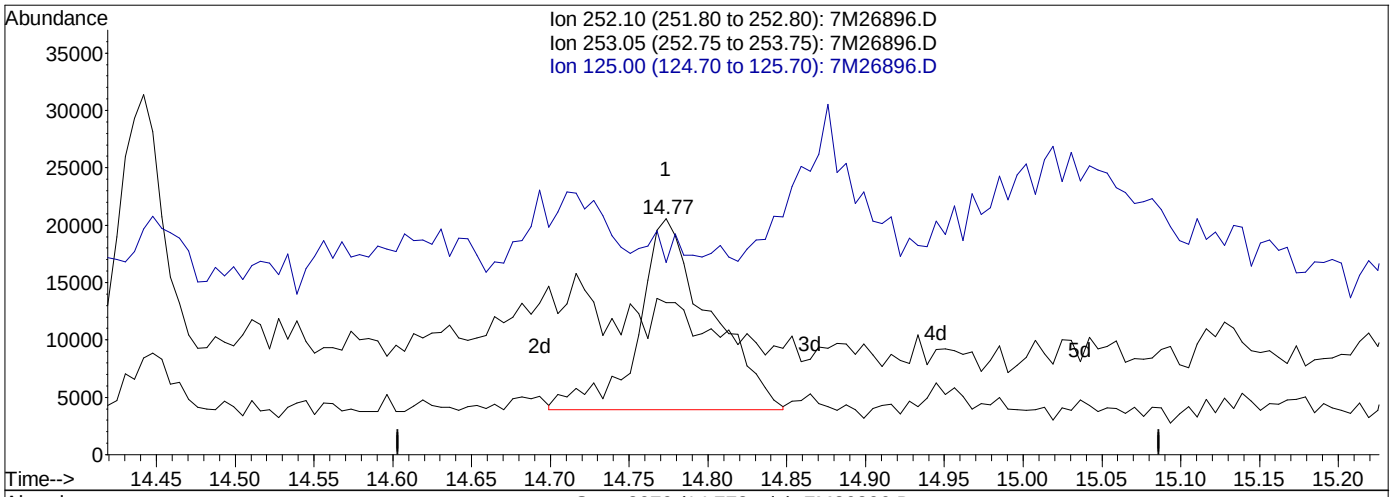
Ion	Ratio	Lower	Upper
252	100		
253	11.5	13.4	31.2#
125	4.8	9.1	21.1#

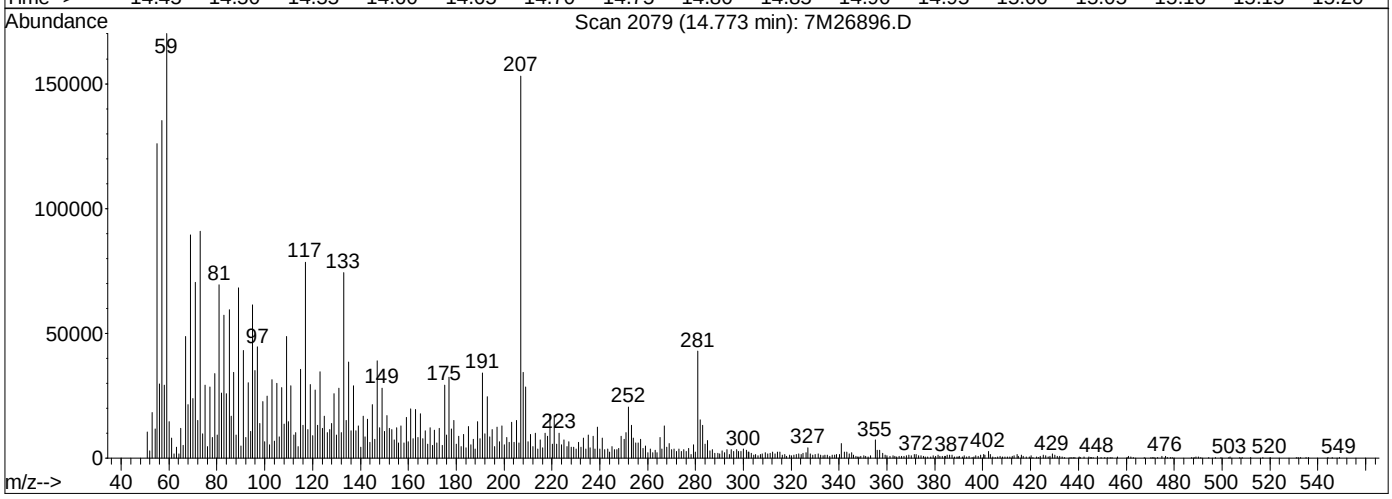


Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101405\7M26896.D Vial: 22
Acq On : 14 Oct 2005 19:17 Operator: CLK
Sample : L0510264-04 SOIL Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 12:40 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Mon Oct 17 10:42:25 2005
Response via : Multiple Level Calibration





TIC: 7M26896.D

(21) Benzo[b]fluoranthene

14.77min 0.08ug/ml

response 52401

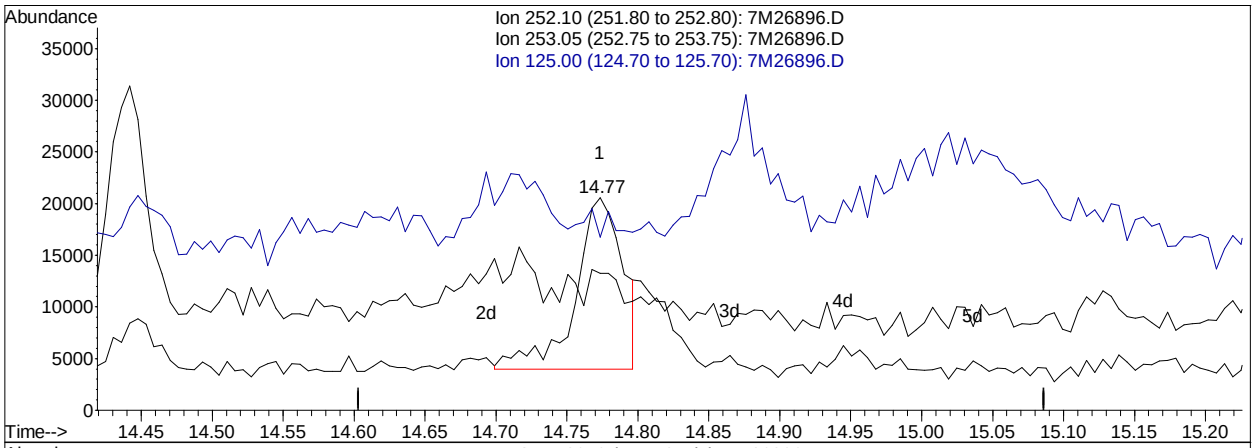
Ion	Exp%	Act%
252.10	100	100
253.05	22.30	8.51#
125.00	15.10	3.56#
0.00	0.00	0.00

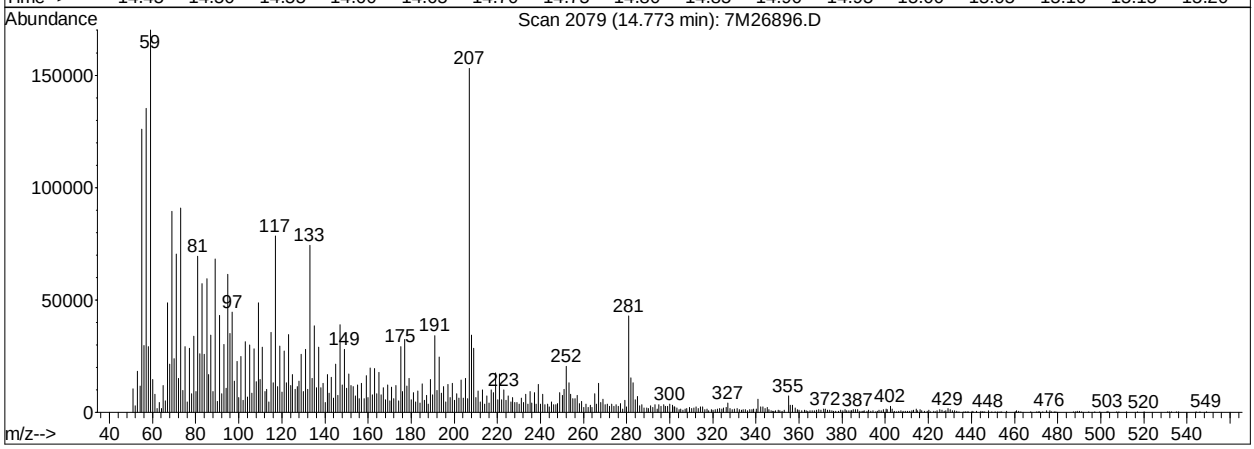
7M26896.D PAH1005.M Mon Oct 17 12:40:30 2005

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101405\7M26896.D Vial: 22
Acq On : 14 Oct 2005 19:17 Operator: CLK
Sample : L0510264-04 SOIL Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 12:40 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Mon Oct 17 10:42:25 2005
Response via : Multiple Level Calibration





TIC: 7M26896.D

(21) Benzo[b]fluoranthene

14.77min 0.06ug/ml m

response 38748

Ion	Exp%	Act%
252.10	100	100
253.05	22.30	11.50#
125.00	15.10	4.81#
0.00	0.00	0.00

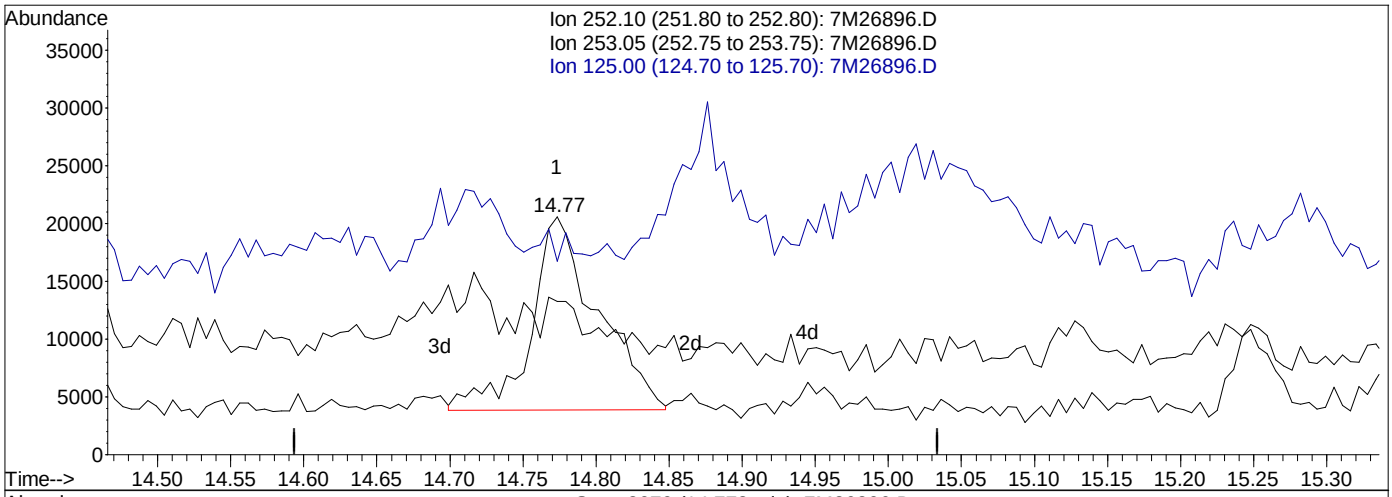
7M26896.D PAH1005.M Mon Oct 17 12:40:42 2005

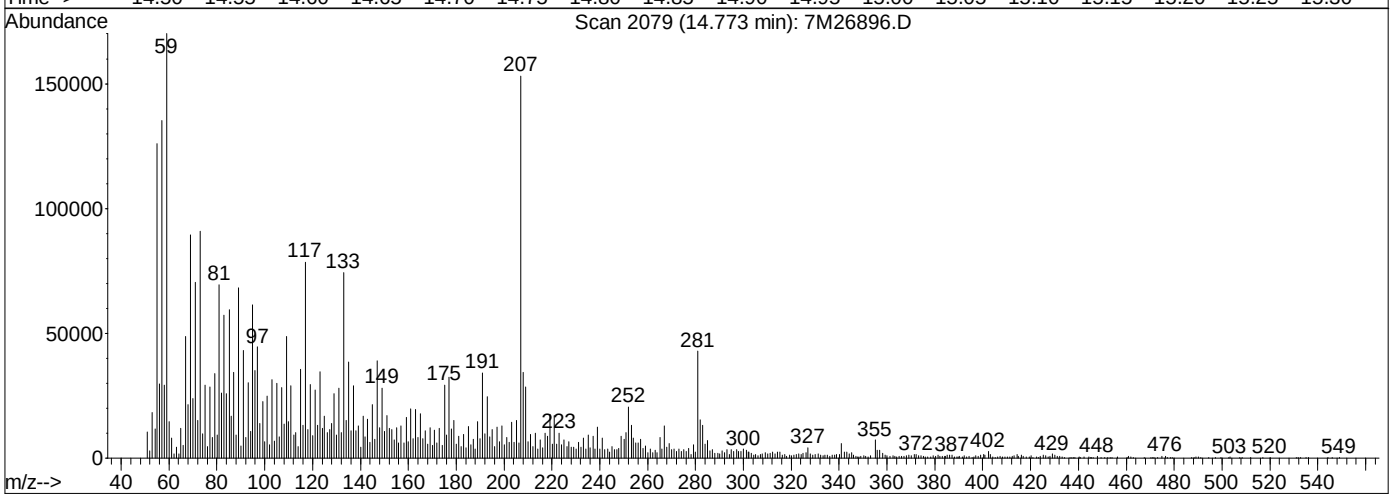
Approved: October 17, 2005	Supervisor: October 17, 2005
Reason #3: Improperly Integrated Isomers and/or coeluting compounds	

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101405\7M26896.D Vial: 22
Acq On : 14 Oct 2005 19:17 Operator: CLK
Sample : L0510264-04 SOIL Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 12:40 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Mon Oct 17 10:42:25 2005
Response via : Multiple Level Calibration





TIC: 7M26896.D

(22) Benzo[k]fluoranthene

14.77min 0.08ug/ml

response 52919

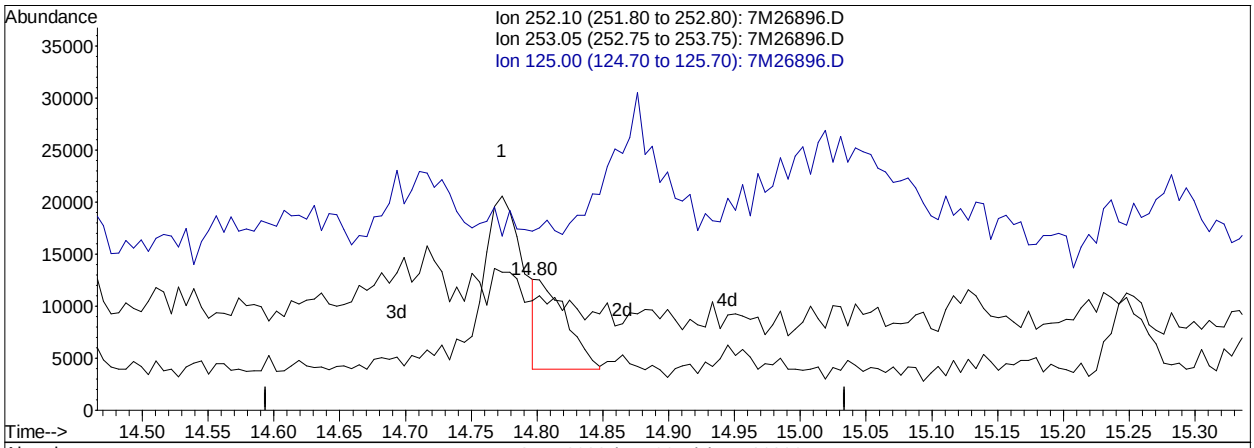
Ion	Exp%	Act%
252.10	100	100
253.05	22.20	8.42#
125.00	14.40	3.52#
0.00	0.00	0.00

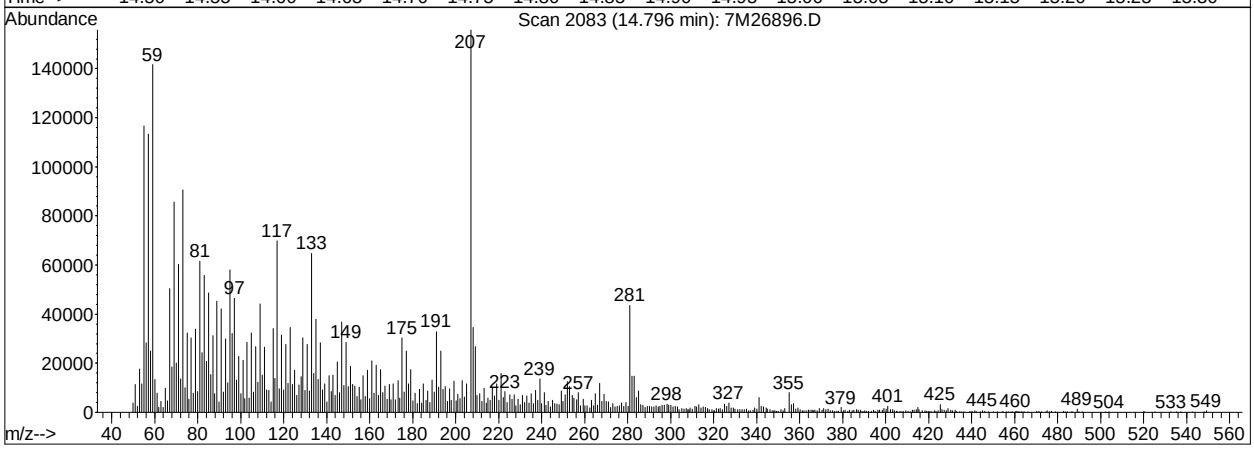
7M26896.D PAH1005.M Mon Oct 17 12:40:53 2005

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\101405\7M26896.D Vial: 22
Acq On : 14 Oct 2005 19:17 Operator: CLK
Sample : L0510264-04 SOIL Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 12:40 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Mon Oct 17 10:42:25 2005
Response via : Multiple Level Calibration





TIC: 7M26896.D

(22) Benzo[k]fluoranthene

14.80min 0.02ug/ml m

response 13488

Ion	Exp%	Act%
252.10	100	100
253.05	22.20	33.04#
125.00	14.40	13.81
0.00	0.00	0.00

7M26896.D PAH1005.M Mon Oct 17 12:41:01 2005

Approved: October 17, 2005	Supervisor: October 17, 2005
Reason #3: Improperly Integrated Isomers and/or coeluting compounds	

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101805\7M26970.D Vial: 42
Acq On : 19 Oct 2005 11:35 Operator: CLK
Sample : L0510264-04 SOIL RE Inst : HPMS7
Misc : 7,1,RE SOIL IH Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 19 12:15:35 2005 Quant Results File: PAH1018.RES

Quant Method : C:\MSDCHEM\1\METHODS\PAH1018.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/18/05
Last Update : Wed Oct 19 10:31:03 2005
Response via : Initial Calibration
DataAcq Meth : PAHL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Naphthalene-d8	5.85	136	440412	1.00 ug/ml	0.00
6) Acenaphthene-d10	8.02	164	226892	1.00 ug/ml	0.00
11) Phenanthrene-d10	9.91	188	389081	1.00 ug/ml	0.00
15) Chrysene-d12	13.27	240	485056	1.00 ug/ml	0.00
20) Perylene-d12	15.40	264	380461	1.00 ug/ml	0.00

System Monitoring Compounds					
2) Nitrobenzene-d5	4.98	82	350703	2.0498 ug/ml	0.00
Spiked Amount 2.500	Range 23 - 120		Recovery	= 82.00%	
7) 2-Fluorobiphenyl	7.14	172	738881	2.0746 ug/ml	0.00
Spiked Amount 2.500	Range 30 - 115		Recovery	= 82.80%	
17) p-Terphenyl-d14	11.89	244	835152	1.7990 ug/ml	0.00
Spiked Amount 2.500	Range 18 - 137		Recovery	= 72.00%	

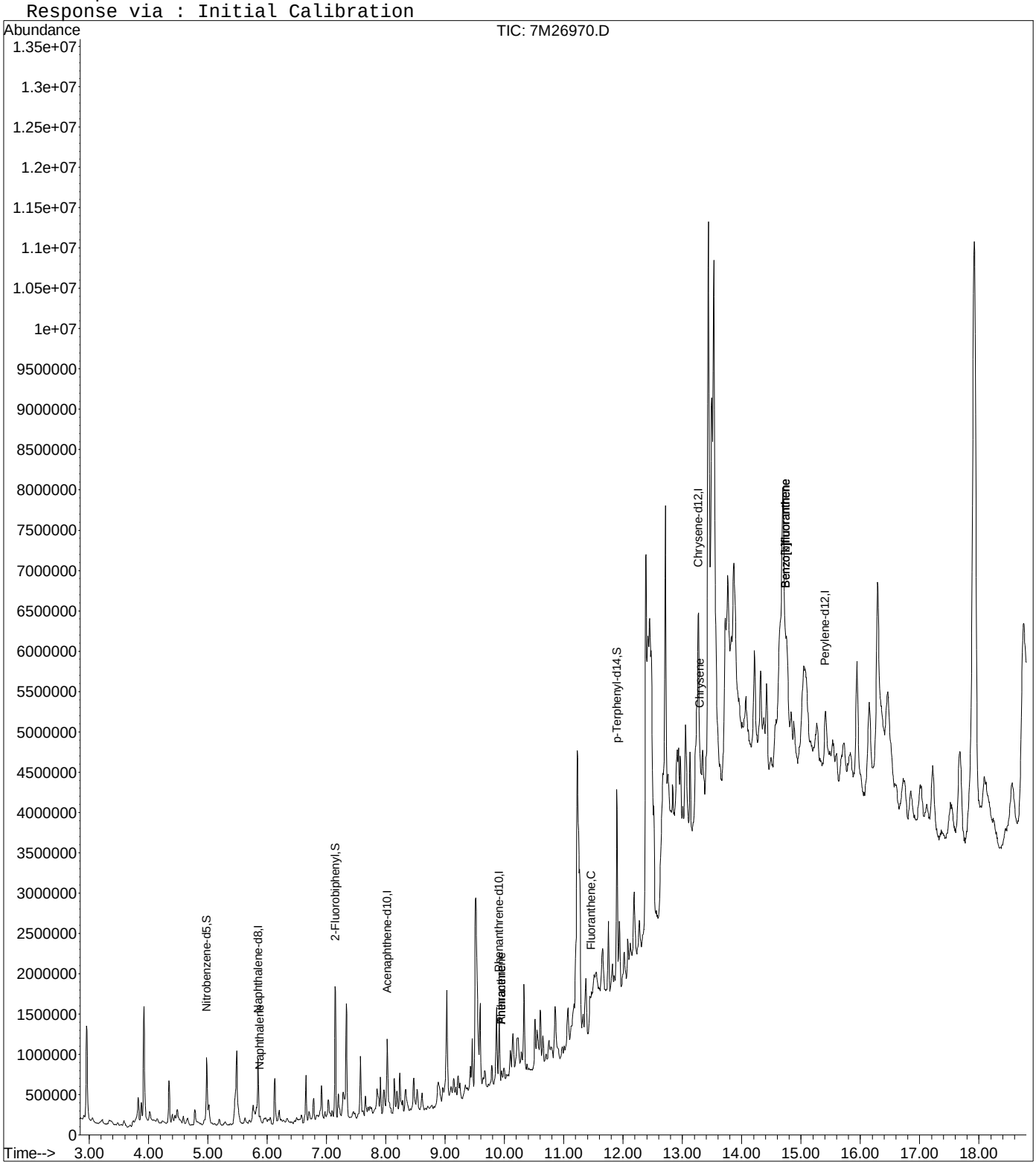
Target Compounds					Qvalue
3) Naphthalene	5.88	128	25454	0.0509 ug/ml#	87
12) Phenanthrene	9.95	178	62795	0.1226 ug/ml	97
13) Anthracene	9.95	178	47924	0.0947 ug/ml	88
14) Fluoranthene	11.45	202	40796	0.0757 ug/ml#	41
19) Chrysene	13.30	228	50514	0.0822 ug/ml#	1
21) Benzo[b]fluoranthene	14.74	252	63021	0.0882 ug/ml#	66
22) Benzo[k]fluoranthene	14.74	252	64851	0.0942 ug/ml#	66

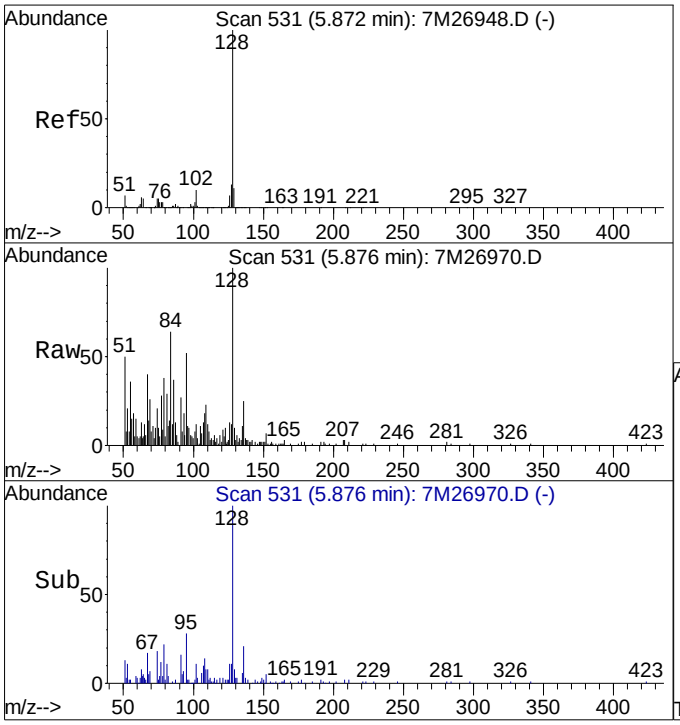
(#) = qualifier out of range (m) = manual integration
7M26970.D PAH1018.M Wed Oct 19 12:16:00 2005 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101805\7M26970.D Vial: 42
Acq On : 19 Oct 2005 11:35 Operator: CLK
Sample : L0510264-04 SOIL RE Inst : HPMS7
Misc : 7,1,RE SOIL IH Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 19 12:15 2005 Quant Results File: PAH1018.RES

Method : C:\MSDCHEM\1\METHODS\PAH1018.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/18/05
Last Update : Wed Oct 19 10:31:03 2005
Response via : Initial Calibration

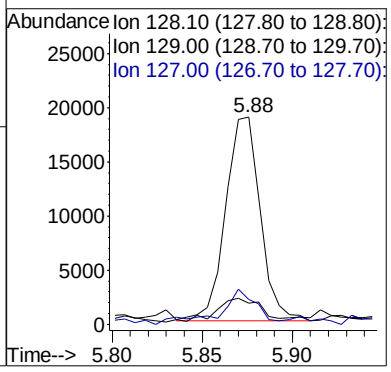


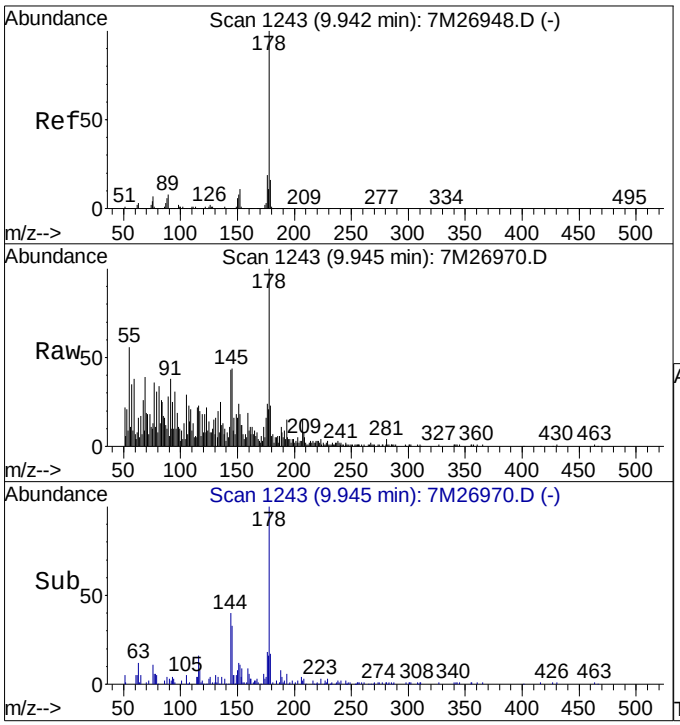


#3
Naphthalene
Concen: 0.05 ug/ml
RT: 5.88 min Scan# 531
Delta R.T. 0.00 min
Lab File: 7M26970.D
Acq: 19 Oct 2005 11:35

Tgt Ion:128 Resp: 25454

Ion	Ratio	Lower	Upper
128	100		
129	14.8	6.5	15.3
127	18.3	7.5	17.5#

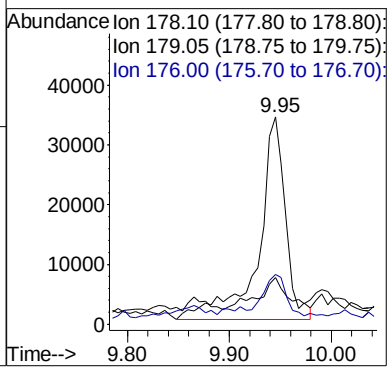


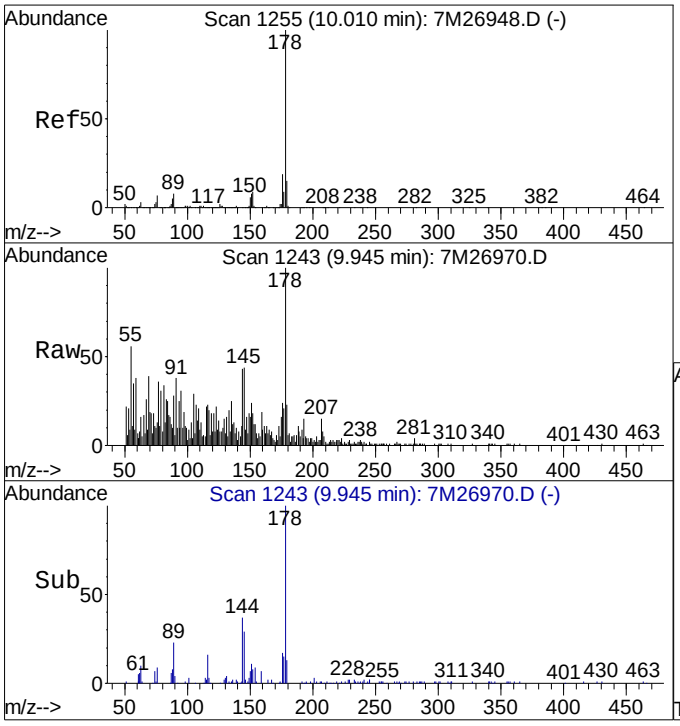


#12
Phenanthrene
Concen: 0.12 ug/ml
RT: 9.95 min Scan# 1243
Delta R.T. -0.00 min
Lab File: 7M26970.D
Acq: 19 Oct 2005 11:35

Tgt Ion:178 Resp: 62795

Ion	Ratio	Lower	Upper
178	100		
179	16.9	9.3	21.7
176	17.4	11.2	26.2

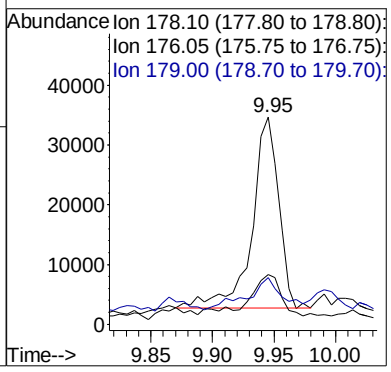


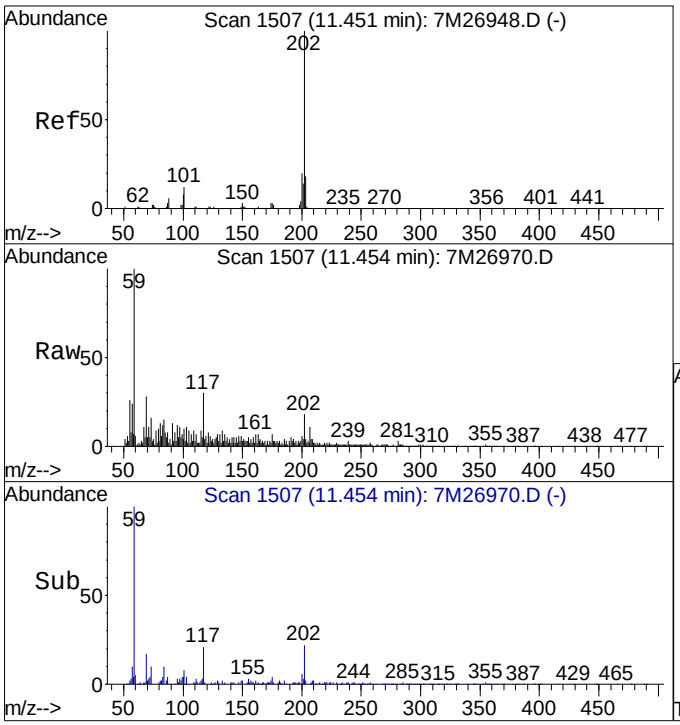


#13
Anthracene
Concen: 0.09 ug/ml
RT: 9.95 min Scan# 1243
Delta R.T. -0.07 min
Lab File: 7M26970.D
Acq: 19 Oct 2005 11:35

Tgt Ion:178 Resp: 47924

Ion	Ratio	Lower	Upper
178	100		
176	22.3	11.0	25.6
179	21.7	9.3	21.7

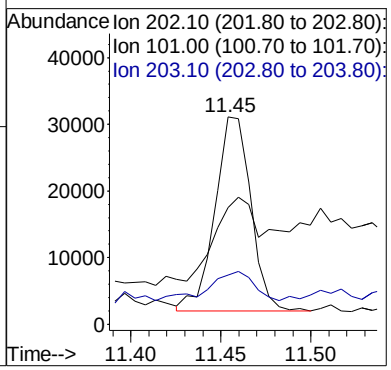


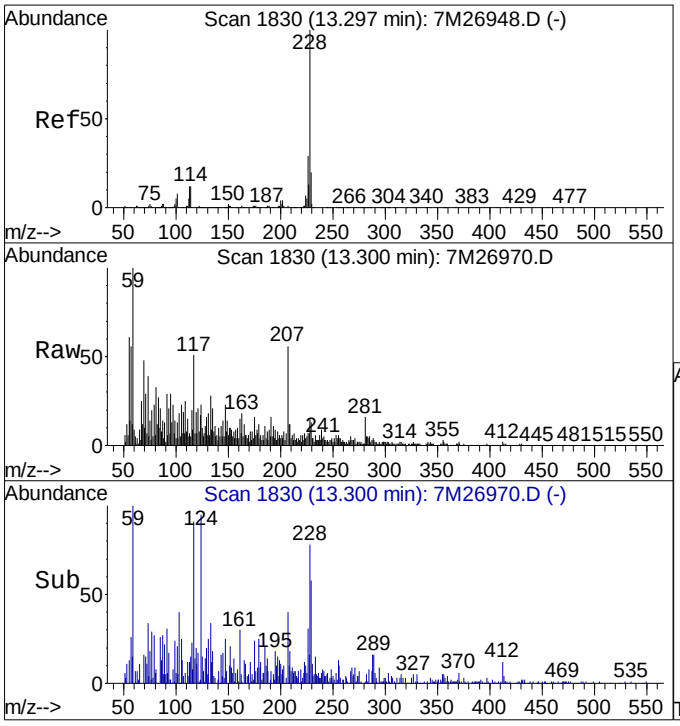


#14
Fluoranthene
Concen: 0.08 ug/ml
RT: 11.45 min Scan# 1507
Delta R.T. -0.00 min
Lab File: 7M26970.D
Acq: 19 Oct 2005 11:35

Tgt Ion:202 Resp: 40796

Ion	Ratio	Lower	Upper
202	100		
101	66.5	7.3	16.9#
203	18.6	10.5	24.5

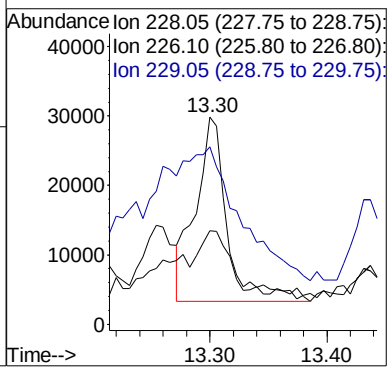


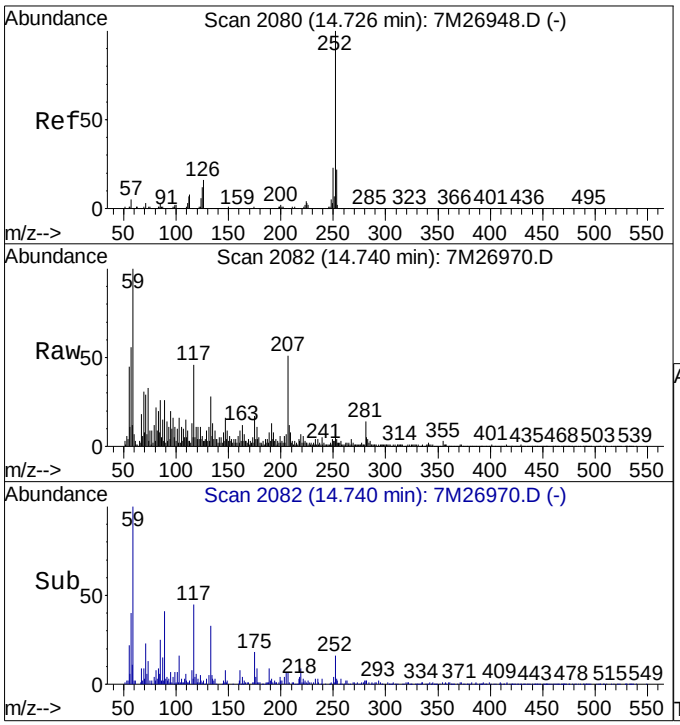


#19
Chrysene
Concen: 0.08 ug/ml
RT: 13.30 min Scan# 1830
Delta R.T. 0.00 min
Lab File: 7M26970.D
Acq: 19 Oct 2005 11:35

Tgt Ion:228 Resp: 50514

Ion	Ratio	Lower	Upper
228	100		
226	38.4	17.5	40.7
229	221.1	11.8	27.6#

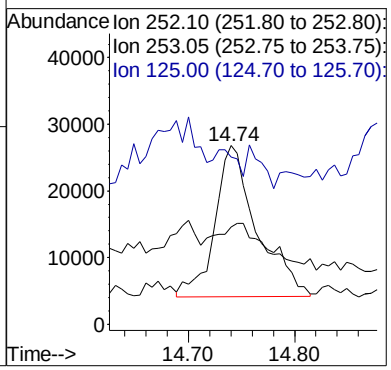


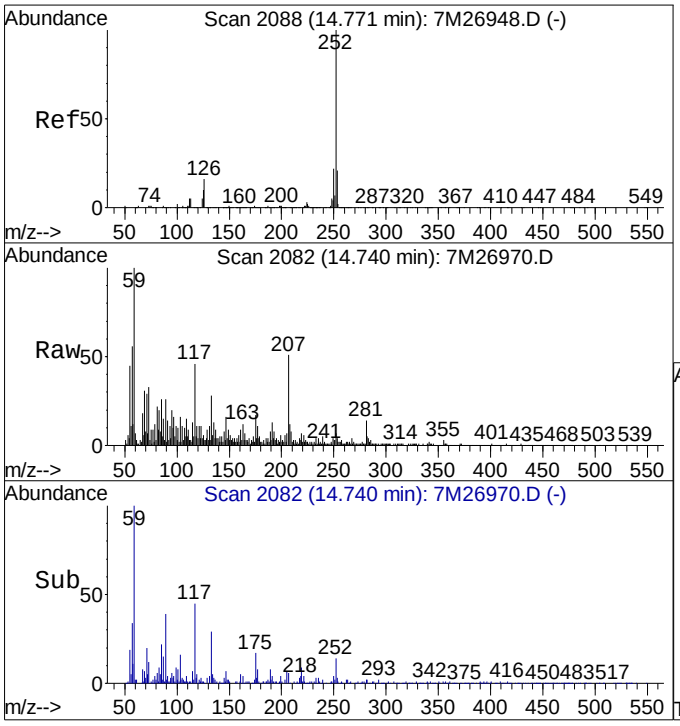


#21
Benzo[b]fluoranthene
Concen: 0.09 ug/ml
RT: 14.74 min Scan# 2082
Delta R.T. 0.01 min
Lab File: 7M26970.D
Acq: 19 Oct 2005 11:35

Tgt Ion:252 Resp: 63021

Ion	Ratio	Lower	Upper
252	100		
253	0.0	13.2	30.8#
125	7.7	6.7	15.5

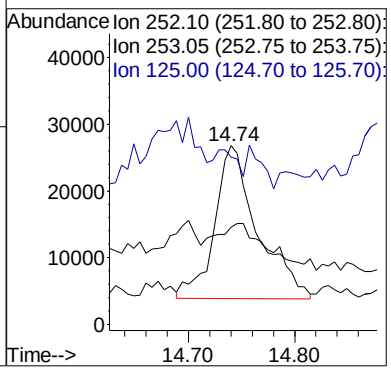




#22
Benzo[k]fluoranthene
Concen: 0.09 ug/ml
RT: 14.74 min Scan# 2082
Delta R.T. -0.04 min
Lab File: 7M26970.D
Acq: 19 Oct 2005 11:35

Tgt Ion:252 Resp: 64851

Ion	Ratio	Lower	Upper
252	100		
253	0.0	13.1	30.5#
125	7.2	7.6	17.6#



2.2.2.3 Standards Data

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\100505\7M26755.D Vial: 3
Acq On : 5 Oct 2005 9:49 Operator: CLK
Sample : WG197981-02 2.5ppm PAHL STD Inst : HPMS7
Misc : 1,1 SOS75-45-2 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 05 11:57:58 2005 Quant Results File: PAH1005.RES

Quant Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Wed Oct 05 11:57:36 2005
Response via : Initial Calibration
DataAcq Meth : PAHL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Naphthalene-d8	5.88	136	828777	1.00 ug/ml	0.00
6) Acenaphthene-d10	8.05	164	439342	1.00 ug/ml	0.00
11) Phenanthrene-d10	9.94	188	721131	1.00 ug/ml	0.00
15) Chrysene-d12	13.29	240	699987	1.00 ug/ml	0.00
20) Perylene-d12	15.43	264	527312	1.00 ug/ml	0.00

System Monitoring Compounds					
2) Nitrobenzene-d5	5.01	82	864841	3.1238 ug/ml	0.00
Spiked Amount 2.500	Range 35 - 114		Recovery	= 124.80%#	
7) 2-Fluorobiphenyl	7.17	172	1717566	2.7679 ug/ml	0.00
Spiked Amount 2.500	Range 43 - 116		Recovery	= 110.80%	
17) p-Terphenyl-d14	11.92	244	1803621	2.6561 ug/ml	0.00
Spiked Amount 2.500	Range 33 - 141		Recovery	= 106.40%	

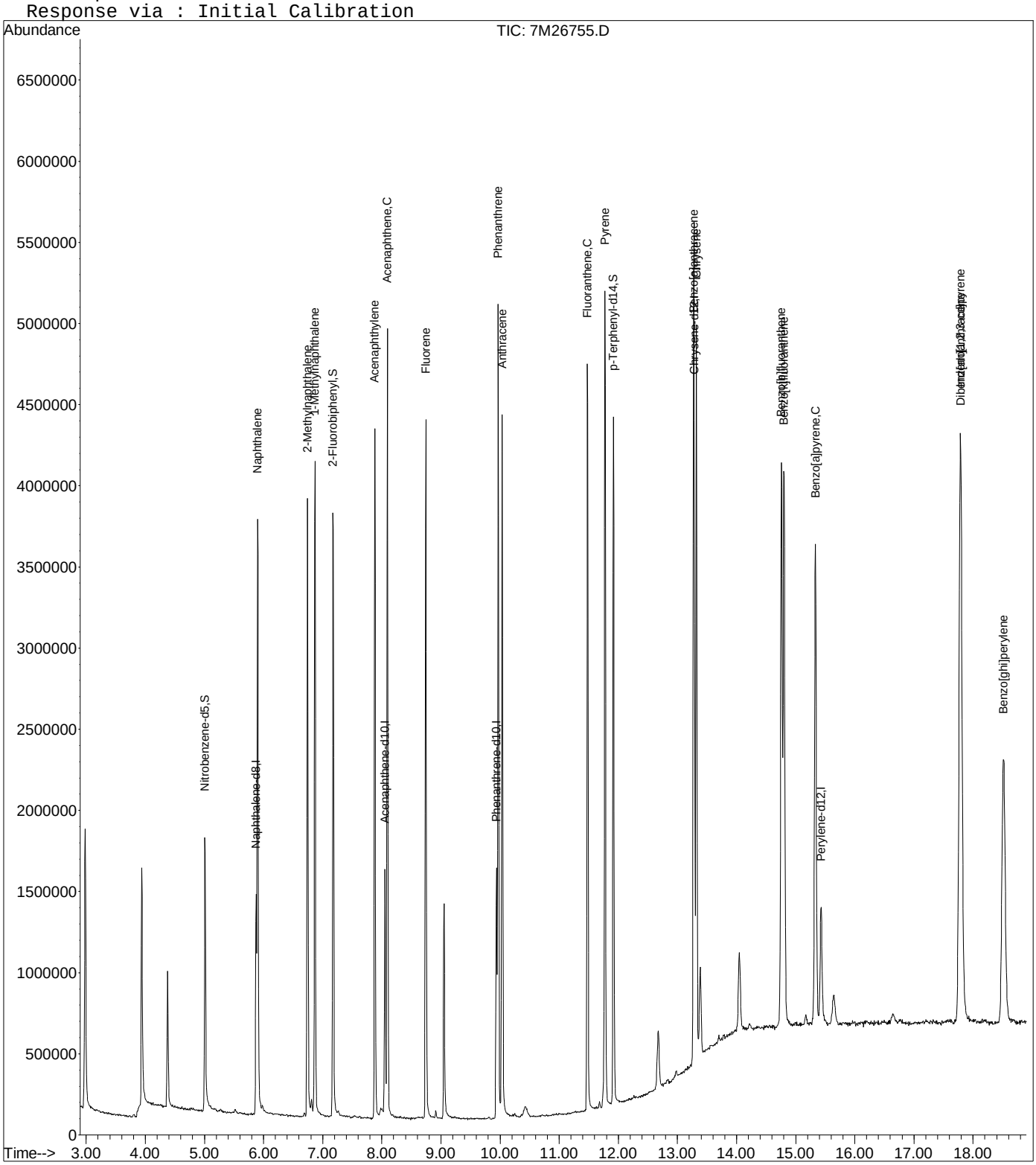
Target Compounds					Qvalue
3) Naphthalene	5.90	128	2409619	2.7660 ug/ml	100
4) 2-Methylnaphthalene	6.74	142	1554535	2.8027 ug/ml	99
5) 1-Methylnaphthalene	6.87	142	1523665	2.7950 ug/ml	99
8) Acenaphthylene	7.88	152	2433704	2.8864 ug/ml	99
9) Acenaphthene	8.09	154	1448170	2.8012 ug/ml	98
10) Fluorene	8.74	166	1694782	2.7747 ug/ml	100
12) Phenanthrene	9.97	178	2395839	2.7538 ug/ml	99
13) Anthracene	10.04	178	2464932	2.8941 ug/ml	99
14) Fluoranthene	11.48	202	2581765	2.7504 ug/ml	99
16) Pyrene	11.77	202	2674185	2.6658 ug/ml	100
18) Benzo[a]anthracene	13.28	228	2370155	2.7095 ug/ml	99
19) Chrysene	13.32	228	2276197	2.6468 ug/ml	100
21) Benzo[b]fluoranthene	14.76	252	2482136	2.6952 ug/ml	98
22) Benzo[k]fluoranthene	14.80	252	2413400	2.7166 ug/ml	98
23) Benzo[a]pyrene	15.33	252	2363799	2.7053 ug/ml	99
24) Indeno[1,2,3-cd]pyrene	17.79	276	2702098	2.6967 ug/ml	97
25) Dibenz[ah]anthracene	17.80	278	2266180	2.7144 ug/ml	98
26) Benzo[ghi]perylene	18.51	276	2255095	2.6405 ug/ml	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\100505\7M26755.D Vial: 3
Acq On : 5 Oct 2005 9:49 Operator: CLK
Sample : WG197981-02 2.5ppm PAHL STD Inst : HPMS7
Misc : 1,1 SOS75-45-2 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 5 11:57 2005 Quant Results File: PAH1005.RES

Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Wed Oct 05 11:57:36 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\100505\7M26756.D Vial: 4
Acq On : 5 Oct 2005 10:15 Operator: CLK
Sample : WG197981-03 10ppm PAHL STD Inst : HPMS7
Misc : 1,1 SOS75-44 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 05 11:57:59 2005 Quant Results File: PAH1005.RES

Quant Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Wed Oct 05 11:57:36 2005
Response via : Initial Calibration
DataAcq Meth : PAHL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Naphthalene-d8	5.87	136	837223	1.00	ug/ml	0.00
6) Acenaphthene-d10	8.05	164	442284	1.00	ug/ml	0.00
11) Phenanthrene-d10	9.94	188	737024	1.00	ug/ml	0.00
15) Chrysene-d12	13.29	240	673448	1.00	ug/ml	0.00
20) Perylene-d12	15.43	264	528501	1.00	ug/ml	0.00

System Monitoring Compounds						
2) Nitrobenzene-d5	5.01	82	3439127	12.2967	ug/ml	0.00
Spiked Amount 2.500	Range 35 - 114		Recovery = 492.00%#			
7) 2-Fluorobiphenyl	7.18	172	6002786	9.6093	ug/ml	0.00
Spiked Amount 2.500	Range 43 - 116		Recovery = 384.40%#			
17) p-Terphenyl-d14	11.92	244	6387826	9.7777	ug/ml	0.00
Spiked Amount 2.500	Range 33 - 141		Recovery = 391.20%#			

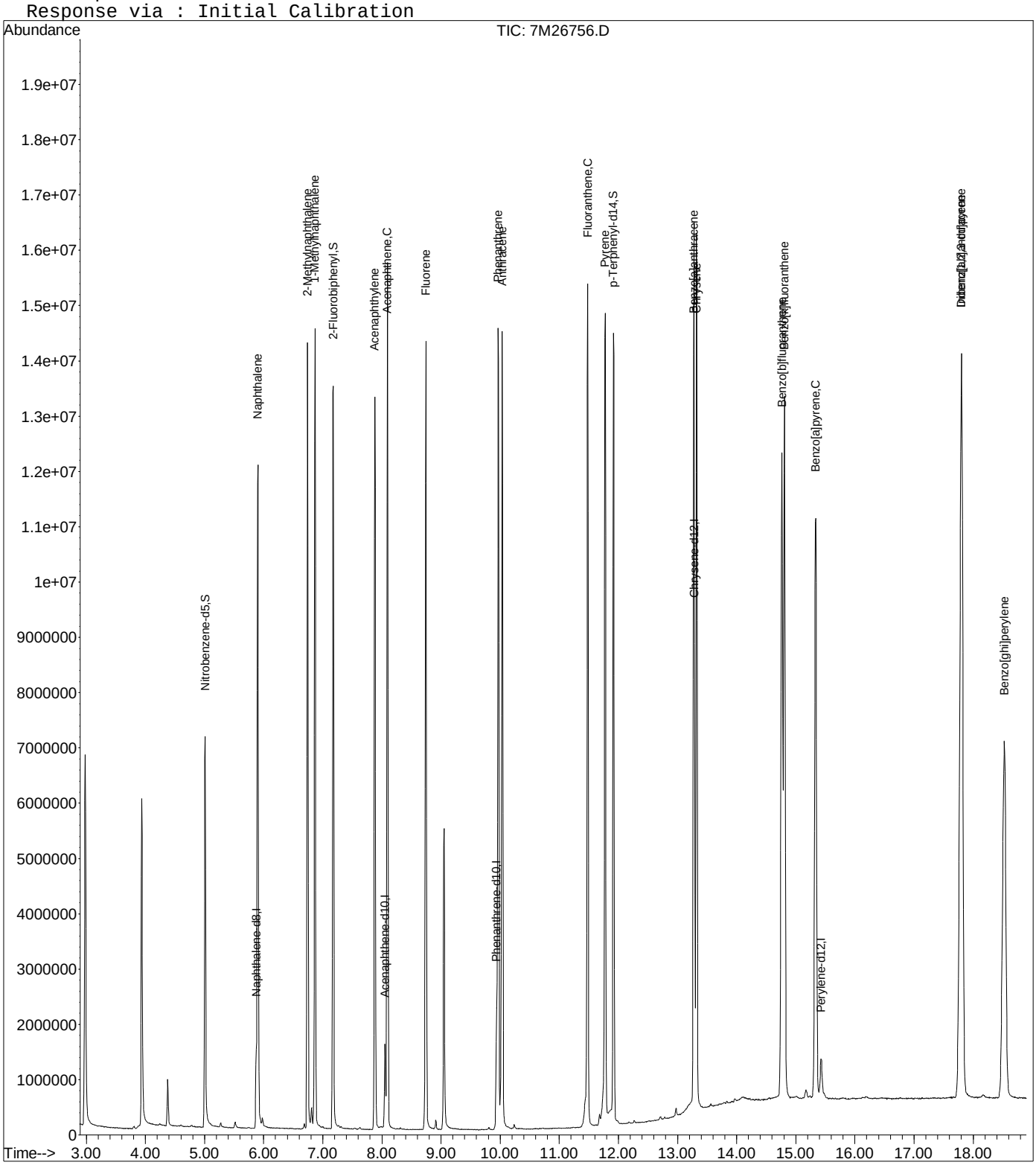
Target Compounds						Qvalue
3) Naphthalene	5.90	128	7797452	8.8603	ug/ml	94
4) 2-Methylnaphthalene	6.74	142	5534720	9.8781	ug/ml	99
5) 1-Methylnaphthalene	6.87	142	5372516	9.7557	ug/ml	96
8) Acenaphthylene	7.88	152	7906385	9.3146	ug/ml	93
9) Acenaphthene	8.09	154	5134627	9.8660	ug/ml	98
10) Fluorene	8.74	166	6006213	9.7678	ug/ml	98
12) Phenanthrene	9.97	178	8016748	9.0159	ug/ml	95
13) Anthracene	10.03	178	8195991	9.4154	ug/ml	95
14) Fluoranthene	11.48	202	8446467	8.8041	ug/ml	94
16) Pyrene	11.78	202	8741964	9.0579	ug/ml	93
18) Benzo[a]anthracene	13.28	228	7874107	9.3562	ug/ml	94
19) Chrysene	13.32	228	7396072	8.9392	ug/ml	93
21) Benzo[b]fluoranthene	14.77	252	8793933	9.5273	ug/ml	99
22) Benzo[k]fluoranthene	14.81	252	8400355	9.4345	ug/ml	97
23) Benzo[a]pyrene	15.34	252	8645598	9.8724	ug/ml	98
24) Indeno[1,2,3-cd]pyrene	17.80	276	10257221	10.2136	ug/ml	97
25) Dibenz[ah]anthracene	17.80	278	8656238	10.3452	ug/ml	99
26) Benzo[ghi]perylene	18.53	276	8881347	10.3759	ug/ml	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\100505\7M26756.D Vial: 4
Acq On : 5 Oct 2005 10:15 Operator: CLK
Sample : WG197981-03 10ppm PAHL STD Inst : HPMS7
Misc : 1,1 SOS75-44 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 5 11:57 2005 Quant Results File: PAH1005.RES

Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Wed Oct 05 11:57:36 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\100505\7M26757.D Vial: 5
Acq On : 5 Oct 2005 10:41 Operator: CLK
Sample : WG197981-04 5ppm PAHL STD Inst : HPMS7
Misc : 1,1 SOS75-45-1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 05 11:58:00 2005 Quant Results File: PAH1005.RES

Quant Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Wed Oct 05 11:57:36 2005
Response via : Initial Calibration
DataAcq Meth : PAHL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Naphthalene-d8	5.87	136	837790	1.00 ug/ml	0.00
6) Acenaphthene-d10	8.05	164	434542	1.00 ug/ml	0.00
11) Phenanthrene-d10	9.94	188	727270	1.00 ug/ml	0.00
15) Chrysene-d12	13.29	240	693311	1.00 ug/ml	0.00
20) Perylene-d12	15.43	264	527164	1.00 ug/ml	0.00

System Monitoring Compounds					
2) Nitrobenzene-d5	5.01	82	1737776	6.2093 ug/ml	0.00
Spiked Amount 2.500	Range 35 - 114		Recovery	= 248.40%#	
7) 2-Fluorobiphenyl	7.17	172	3316501	5.4037 ug/ml	0.00
Spiked Amount 2.500	Range 43 - 116		Recovery	= 216.00%#	
17) p-Terphenyl-d14	11.92	244	3478139	5.1714 ug/ml	0.00
Spiked Amount 2.500	Range 33 - 141		Recovery	= 206.80%#	

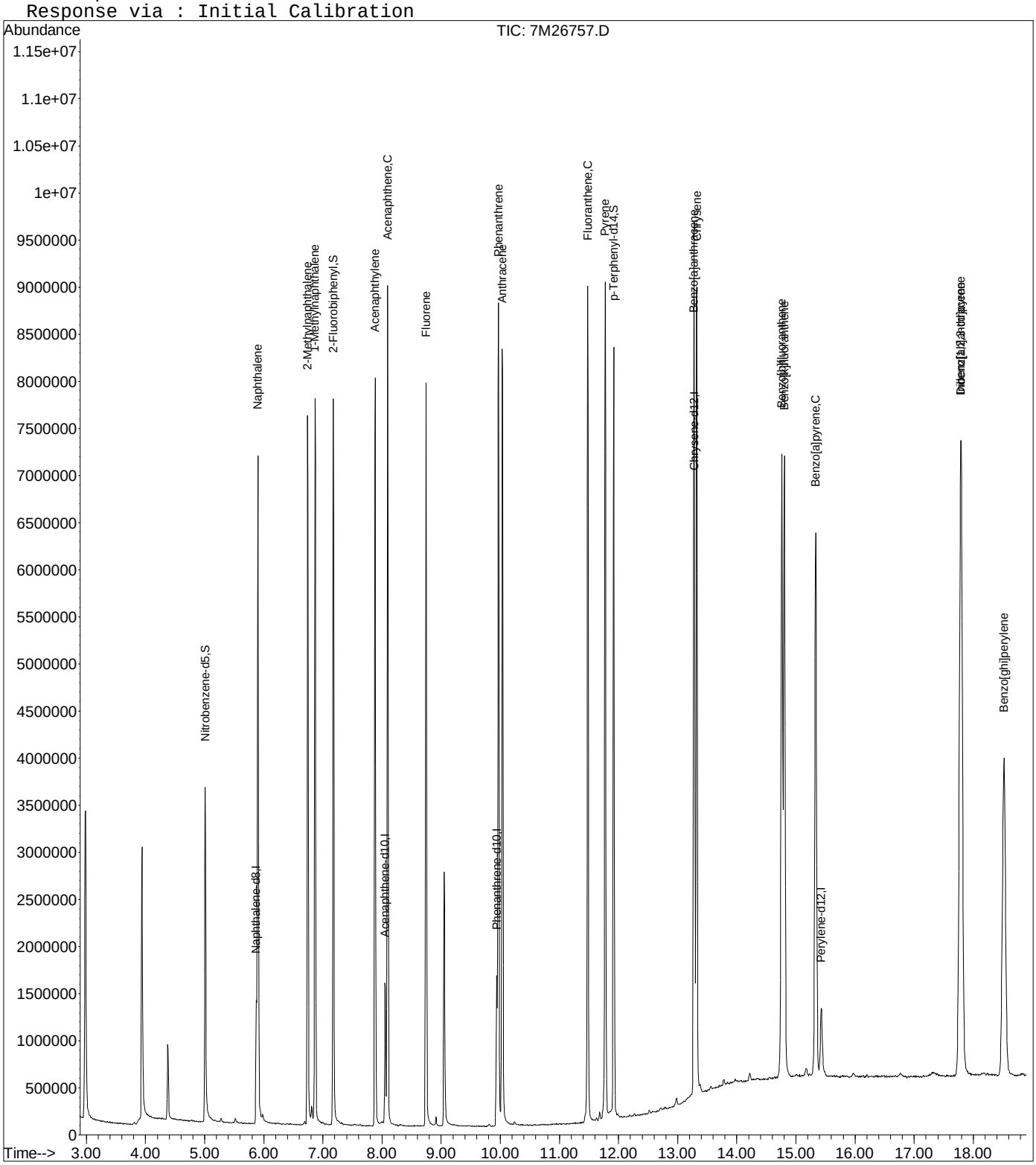
Target Compounds					Qvalue
3) Naphthalene	5.90	128	4556750	5.1743 ug/ml	99
4) 2-Methylnaphthalene	6.74	142	2983656	5.3215 ug/ml	99
5) 1-Methylnaphthalene	6.87	142	2908734	5.2783 ug/ml	100
8) Acenaphthylene	7.88	152	4613807	5.5324 ug/ml	99
9) Acenaphthene	8.09	154	2763827	5.4052 ug/ml	99
10) Fluorene	8.75	166	3282663	5.4337 ug/ml	100
12) Phenanthrene	9.97	178	4528010	5.1607 ug/ml	99
13) Anthracene	10.03	178	4642709	5.4050 ug/ml	99
14) Fluoranthene	11.48	202	4774771	5.0437 ug/ml	98
16) Pyrene	11.78	202	4990228	5.0225 ug/ml	98
18) Benzo[a]anthracene	13.27	228	4431431	5.1147 ug/ml	99
19) Chrysene	13.32	228	4273779	5.0175 ug/ml	99
21) Benzo[b]fluoranthene	14.76	252	4772853	5.1840 ug/ml	99
22) Benzo[k]fluoranthene	14.80	252	4533082	5.1041 ug/ml	99
23) Benzo[a]pyrene	15.34	252	4547172	5.2056 ug/ml	100
24) Indeno[1,2,3-cd]pyrene	17.79	276	5257574	5.2485 ug/ml	97
25) Dibenz[ah]anthracene	17.80	278	4448770	5.3303 ug/ml	99
26) Benzo[ghi]perylene	18.52	276	4453546	5.2162 ug/ml	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\100505\7M26757.D Vial: 5
Acq On : 5 Oct 2005 10:41 Operator: CLK
Sample : WG197981-04 5ppm PAHL STD Inst : HPMS7
Misc : 1,1 SOS75-45-1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 5 11:58 2005 Quant Results File: PAH1005.RES

Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Wed Oct 05 11:57:36 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\100505\7M26758.D Vial: 6
Acq On : 5 Oct 2005 11:07 Operator: CLK
Sample : WG197981-05 1ppm PAHL STD Inst : HPMS7
Misc : 1,1 SOS75-45-3 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 05 11:58:00 2005 Quant Results File: PAH1005.RES

Quant Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Wed Oct 05 11:57:36 2005
Response via : Initial Calibration
DataAcq Meth : PAHL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Naphthalene-d8	5.87	136	817837	1.00 ug/ml	0.00
6) Acenaphthene-d10	8.05	164	437355	1.00 ug/ml	0.00
11) Phenanthrene-d10	9.94	188	701188	1.00 ug/ml	0.00
15) Chrysene-d12	13.29	240	694044	1.00 ug/ml	0.00
20) Perylene-d12	15.43	264	511097	1.00 ug/ml	0.00

System Monitoring Compounds					
2) Nitrobenzene-d5	5.01	82	318539	1.1659 ug/ml	0.00
Spiked Amount 2.500	Range 35 - 114		Recovery = 46.80%		
7) 2-Fluorobiphenyl	7.18	172	667945	1.0813 ug/ml	0.00
Spiked Amount 2.500	Range 43 - 116		Recovery = 43.20%		
17) p-Terphenyl-d14	11.92	244	705833	1.0483 ug/ml	0.00
Spiked Amount 2.500	Range 33 - 141		Recovery = 42.00%		

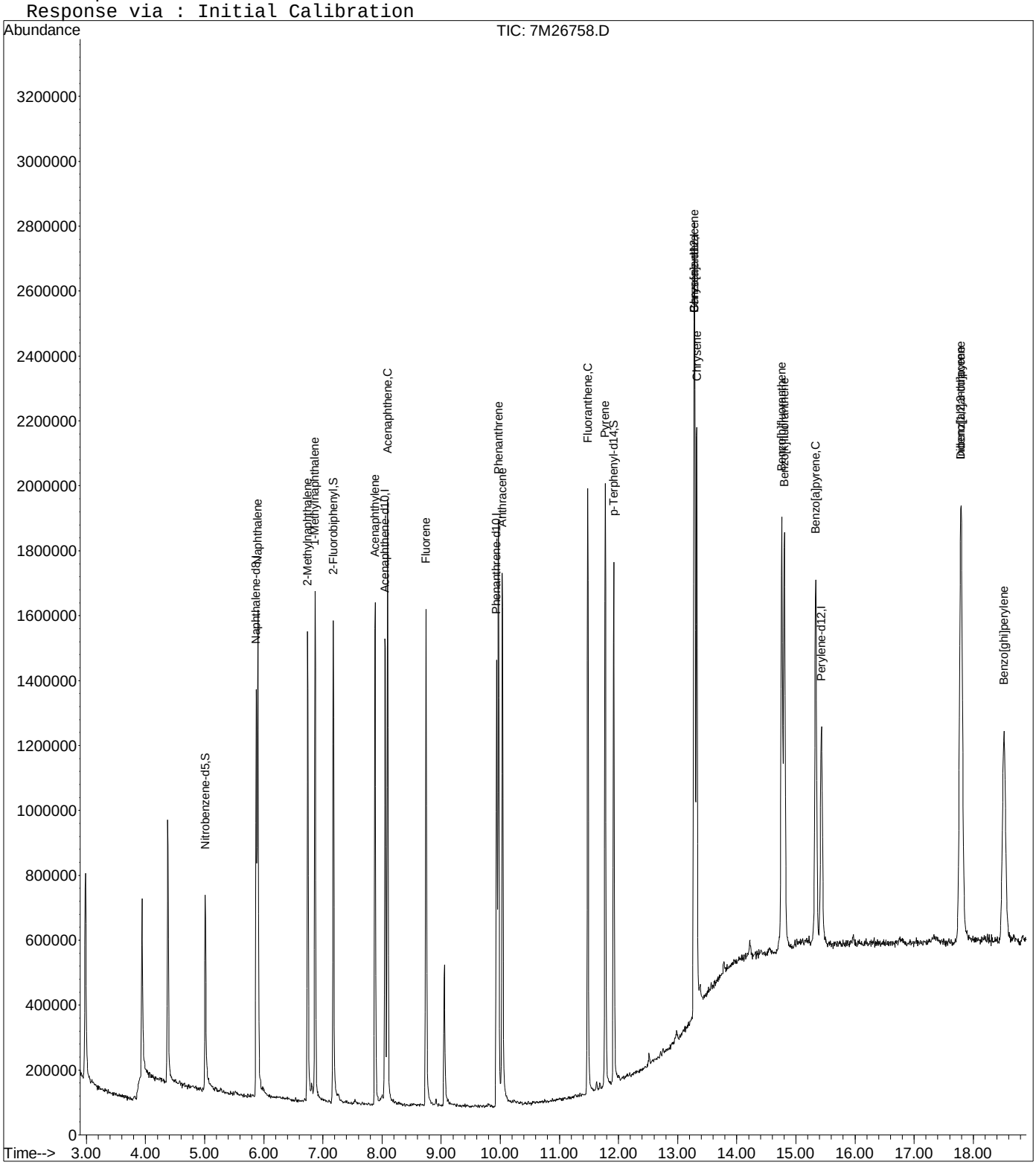
Target Compounds					Qvalue
3) Naphthalene	5.90	128	960166	1.1169 ug/ml	100
4) 2-Methylnaphthalene	6.74	142	604245	1.1040 ug/ml	99
5) 1-Methylnaphthalene	6.87	142	603093	1.1211 ug/ml	96
8) Acenaphthylene	7.88	152	964332	1.1489 ug/ml	99
9) Acenaphthene	8.10	154	583408	1.1336 ug/ml	100
10) Fluorene	8.74	166	665599	1.0947 ug/ml	99
12) Phenanthrene	9.97	178	959676	1.1344 ug/ml	98
13) Anthracene	10.03	178	967330	1.1680 ug/ml	97
14) Fluoranthene	11.48	202	1036648	1.1358 ug/ml	98
16) Pyrene	11.78	202	1077878	1.0837 ug/ml	99
18) Benzo[a]anthracene	13.27	228	937698	1.0811 ug/ml	99
19) Chrysene	13.33	228	910518	1.0678 ug/ml	99
21) Benzo[b]fluoranthene	14.76	252	962577	1.0784 ug/ml	98
22) Benzo[k]fluoranthene	14.81	252	952079	1.1057 ug/ml	98
23) Benzo[a]pyrene	15.34	252	930249	1.0984 ug/ml	99
24) Indeno[1,2,3-cd]pyrene	17.79	276	1053352	1.0846 ug/ml#	98
25) Dibenz[ah]anthracene	17.80	278	887756	1.0971 ug/ml	99
26) Benzo[ghi]perylene	18.52	276	879521	1.0625 ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\100505\7M26758.D Vial: 6
Acq On : 5 Oct 2005 11:07 Operator: CLK
Sample : WG197981-05 1ppm PAHL STD Inst : HPMS7
Misc : 1,1 SOS75-45-3 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 5 11:58 2005 Quant Results File: PAH1005.RES

Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Wed Oct 05 11:57:36 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\100505\7M26759.D Vial: 7
Acq On : 5 Oct 2005 11:33 Operator: CLK
Sample : WG197981-06 0.5ppm PAHL STD Inst : HPMS7
Misc : 1,1 SOS75-45-4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 05 11:58:01 2005 Quant Results File: PAH1005.RES

Quant Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Wed Oct 05 11:57:36 2005
Response via : Initial Calibration
DataAcq Meth : PAHL

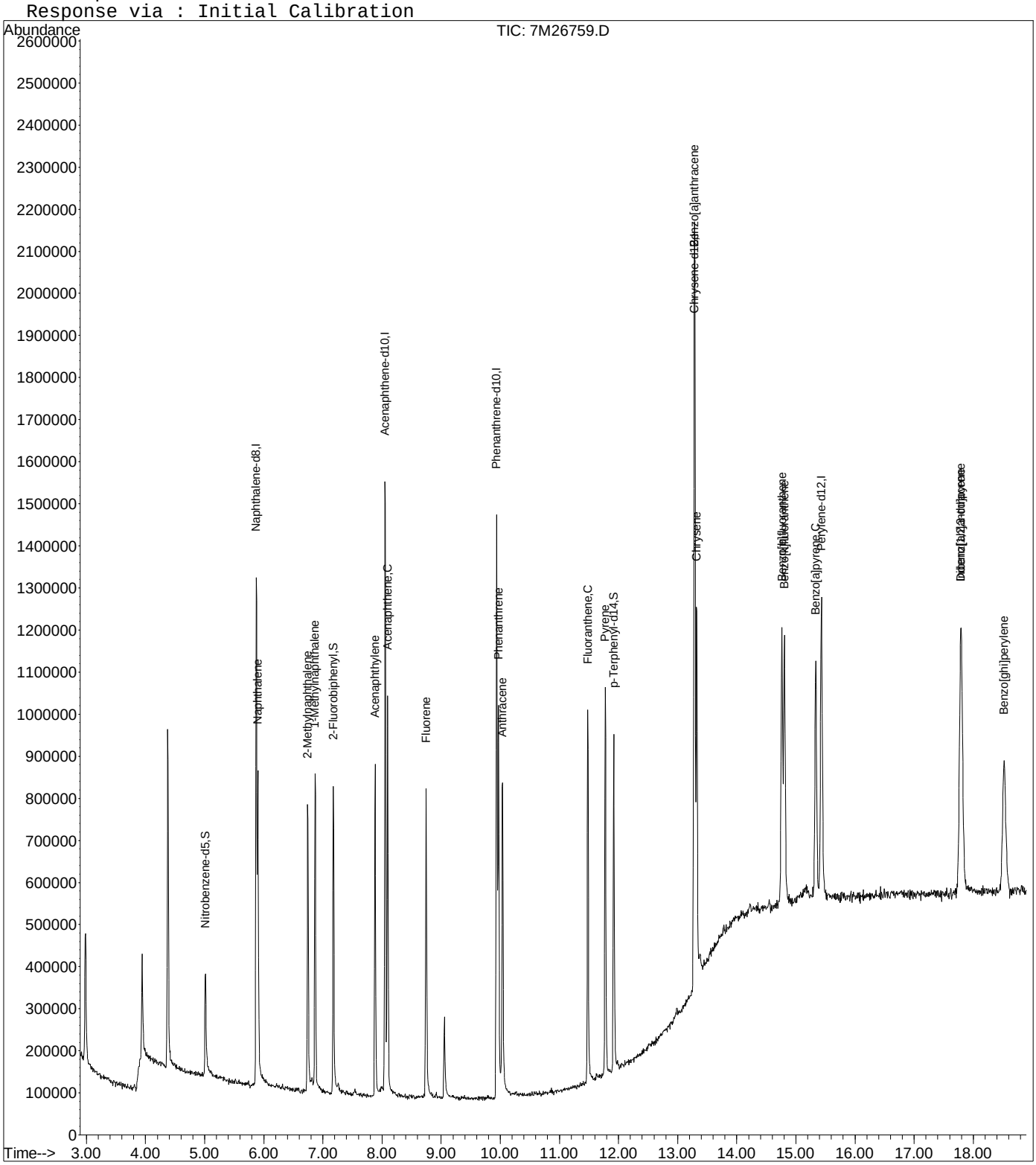
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Naphthalene-d8	5.87	136	818069	1.00 ug/ml	0.00
6) Acenaphthene-d10	8.05	164	448051	1.00 ug/ml	0.00
11) Phenanthrene-d10	9.94	188	706337	1.00 ug/ml	0.00
15) Chrysene-d12	13.29	240	697872	1.00 ug/ml	0.00
20) Perylene-d12	15.43	264	520417	1.00 ug/ml	0.00
System Monitoring Compounds					
2) Nitrobenzene-d5	5.01	82	152655	0.5586 ug/ml	0.00
Spiked Amount 2.500	Range 35 - 114		Recovery	= 22.40%#	
7) 2-Fluorobiphenyl	7.18	172	344989	0.5452 ug/ml	0.00
Spiked Amount 2.500	Range 43 - 116		Recovery	= 22.00%#	
17) p-Terphenyl-d14	11.92	244	359311	0.5307 ug/ml	0.00
Spiked Amount 2.500	Range 33 - 141		Recovery	= 21.20%#	
Target Compounds					Qvalue
3) Naphthalene	5.90	128	478140	0.5560 ug/ml	99
4) 2-Methylnaphthalene	6.74	142	297539	0.5435 ug/ml	97
5) 1-Methylnaphthalene	6.87	142	301213	0.5598 ug/ml	96
8) Acenaphthylene	7.88	152	468103	0.5444 ug/ml	99
9) Acenaphthene	8.10	154	278489	0.5282 ug/ml	95
10) Fluorene	8.75	166	336411	0.5401 ug/ml	99
12) Phenanthrene	9.97	178	477554	0.5604 ug/ml	99
13) Anthracene	10.04	178	458240	0.5493 ug/ml	97
14) Fluoranthene	11.48	202	509690	0.5544 ug/ml	99
16) Pyrene	11.78	202	523884	0.5238 ug/ml	99
18) Benzo[a]anthracene	13.27	228	448932	0.5148 ug/ml	100
19) Chrysene	13.33	228	472382	0.5510 ug/ml	97
21) Benzo[b]fluoranthene	14.77	252	468023	0.5149 ug/ml	98
22) Benzo[k]fluoranthene	14.81	252	473630	0.5402 ug/ml	98
23) Benzo[a]pyrene	15.34	252	457470	0.5305 ug/ml	99
24) Indeno[1,2,3-cd]pyrene	17.79	276	520385	0.5262 ug/ml	97
25) Dibenz[ah]anthracene	17.80	278	437864	0.5314 ug/ml	99
26) Benzo[ghi]perylene	18.53	276	436735	0.5182 ug/ml	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\100505\7M26759.D Vial: 7
Acq On : 5 Oct 2005 11:33 Operator: CLK
Sample : WG197981-06 0.5ppm PAHL STD Inst : HPMS7
Misc : 1,1 SOS75-45-4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 5 11:58 2005 Quant Results File: PAH1005.RES

Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Wed Oct 05 11:57:36 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\100505\7M26760.D Vial: 8
Acq On : 5 Oct 2005 11:59 Operator: CLK
Sample : WG197981-07 0.1ppm PAHL STD Inst : HPMS7
Misc : 1,1 SOS75-45-5 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 05 12:18:59 2005 Quant Results File: PAH1005.RES

Quant Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Wed Oct 05 11:59:10 2005
Response via : Initial Calibration
DataAcq Meth : PAHL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Naphthalene-d8	5.87	136	806177	1.00 ug/ml	0.00
6) Acenaphthene-d10	8.05	164	430095	1.00 ug/ml	0.00
11) Phenanthrene-d10	9.94	188	681655	1.00 ug/ml	0.00
15) Chrysene-d12	13.29	240	685405	1.00 ug/ml	0.00
20) Perylene-d12	15.43	264	505268	1.00 ug/ml	0.00

System Monitoring Compounds					
2) Nitrobenzene-d5	5.02	82	27444	0.0905 ug/ml	0.00
Spiked Amount 2.500	Range 35 - 114		Recovery	=	3.60%#
7) 2-Fluorobiphenyl	7.18	172	64475	0.1011 ug/ml	0.00
Spiked Amount 2.500	Range 43 - 116		Recovery	=	4.00%#
17) p-Terphenyl-d14	11.92	244	67115	0.0983 ug/ml	0.00
Spiked Amount 2.500	Range 33 - 141		Recovery	=	4.00%#

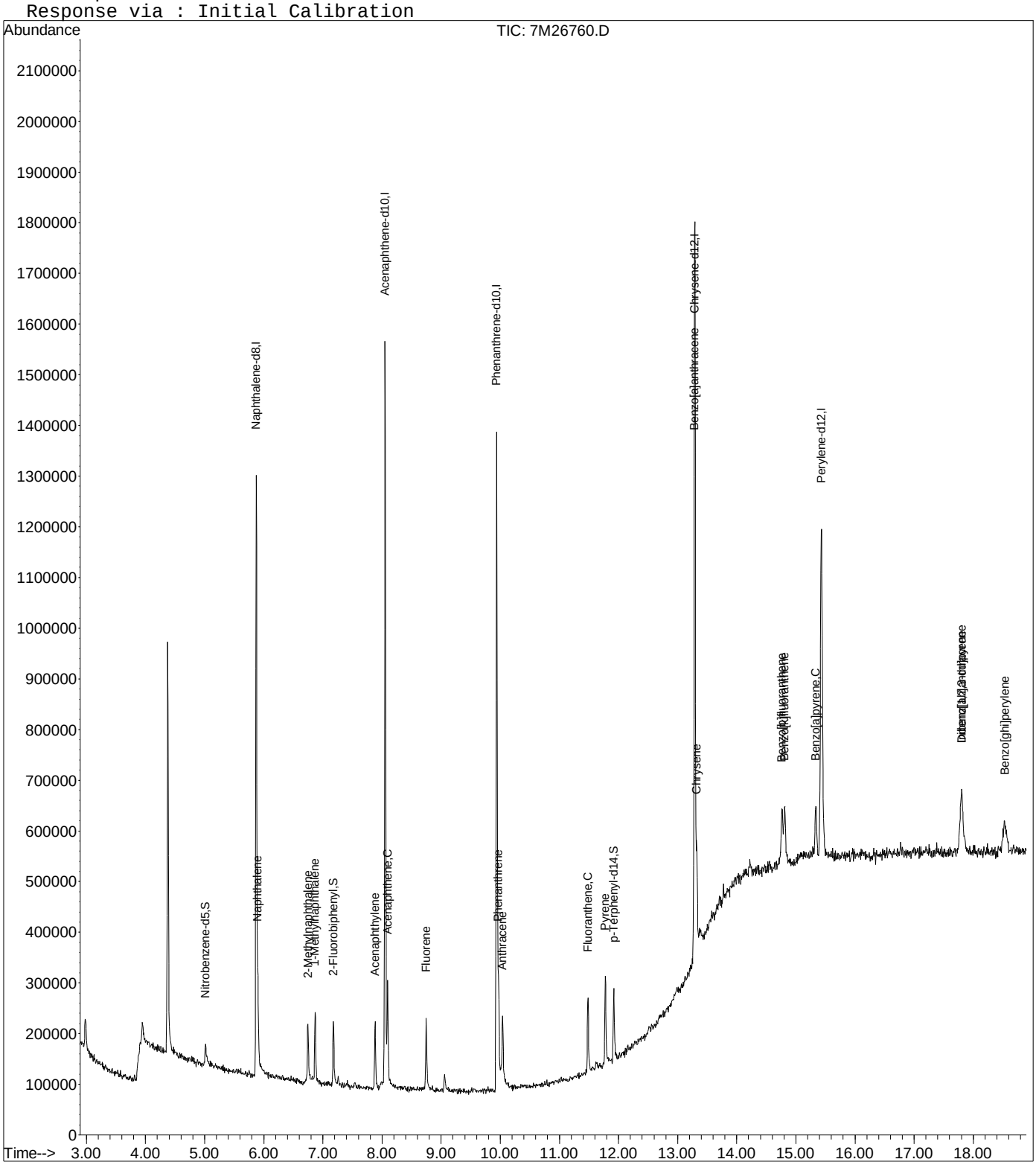
Target Compounds					Qvalue
3) Naphthalene	5.90	128	96205	0.1081 ug/ml	99
4) 2-Methylnaphthalene	6.75	142	57252	0.1003 ug/ml	93
5) 1-Methylnaphthalene	6.87	142	54953	0.0974 ug/ml	99
8) Acenaphthylene	7.88	152	86610	0.0981 ug/ml	99
9) Acenaphthene	8.10	154	55094	0.1020 ug/ml	95
10) Fluorene	8.75	166	63063	0.0998 ug/ml	99
12) Phenanthrene	9.97	178	94761	0.1087 ug/ml	99
13) Anthracene	10.04	178	82860	0.0965 ug/ml	100
14) Fluoranthene	11.49	202	98292	0.1060 ug/ml	98
16) Pyrene	11.78	202	107642	0.1073 ug/ml	97
18) Benzo[a]anthracene	13.27	228	92873	0.1057 ug/ml	96
19) Chrysene	13.32	228	92792	0.1070 ug/ml	98
21) Benzo[b]fluoranthene	14.77	252	93846	0.1029 ug/ml	97
22) Benzo[k]fluoranthene	14.81	252	92309	0.1031 ug/ml	96
23) Benzo[a]pyrene	15.34	252	86237	0.0984 ug/ml	95
24) Indeno[1,2,3-cd]pyrene	17.80	276	103172	0.1030 ug/ml#	98
25) Dibenz[ah]anthracene	17.80	278	83388	0.0990 ug/ml	93
26) Benzo[ghi]perylene	18.53	276	83314	0.0982 ug/ml	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\100505\7M26760.D Vial: 8
Acq On : 5 Oct 2005 11:59 Operator: CLK
Sample : WG197981-07 0.1ppm PAHL STD Inst : HPMS7
Misc : 1,1 SOS75-45-5 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 5 12:18 2005 Quant Results File: PAH1005.RES

Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Wed Oct 05 13:17:23 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\100505\7M26761.D Vial: 9
Acq On : 5 Oct 2005 12:26 Operator: CLK
Sample : WG197981-08 2.5ppm Alt Source PAHL STD Inst : HPMS7
Misc : 1,1 SOS74-21 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 05 17:05:40 2005 Quant Results File: PAH1005.RES

Quant Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Wed Oct 05 13:17:23 2005
Response via : Initial Calibration
DataAcq Meth : PAHL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Naphthalene-d8	5.87	136	824632	1.00 ug/ml	0.00
6) Acenaphthene-d10	8.05	164	435895	1.00 ug/ml	0.00
11) Phenanthrene-d10	9.94	188	711773	1.00 ug/ml	0.00
15) Chrysene-d12	13.29	240	685834	1.00 ug/ml	0.00
20) Perylene-d12	15.43	264	514263	1.00 ug/ml	0.00

System Monitoring Compounds					
2) Nitrobenzene-d5	5.01	82	810560	2.5137 ug/ml	0.00
Spiked Amount 2.500	Range 35 - 114		Recovery	= 100.40%	
7) 2-Fluorobiphenyl	7.17	172	1660543	2.5358 ug/ml	0.00
Spiked Amount 2.500	Range 43 - 116		Recovery	= 101.60%	
17) p-Terphenyl-d14	11.92	244	1719763	2.5040 ug/ml	0.00
Spiked Amount 2.500	Range 33 - 141		Recovery	= 100.00%	

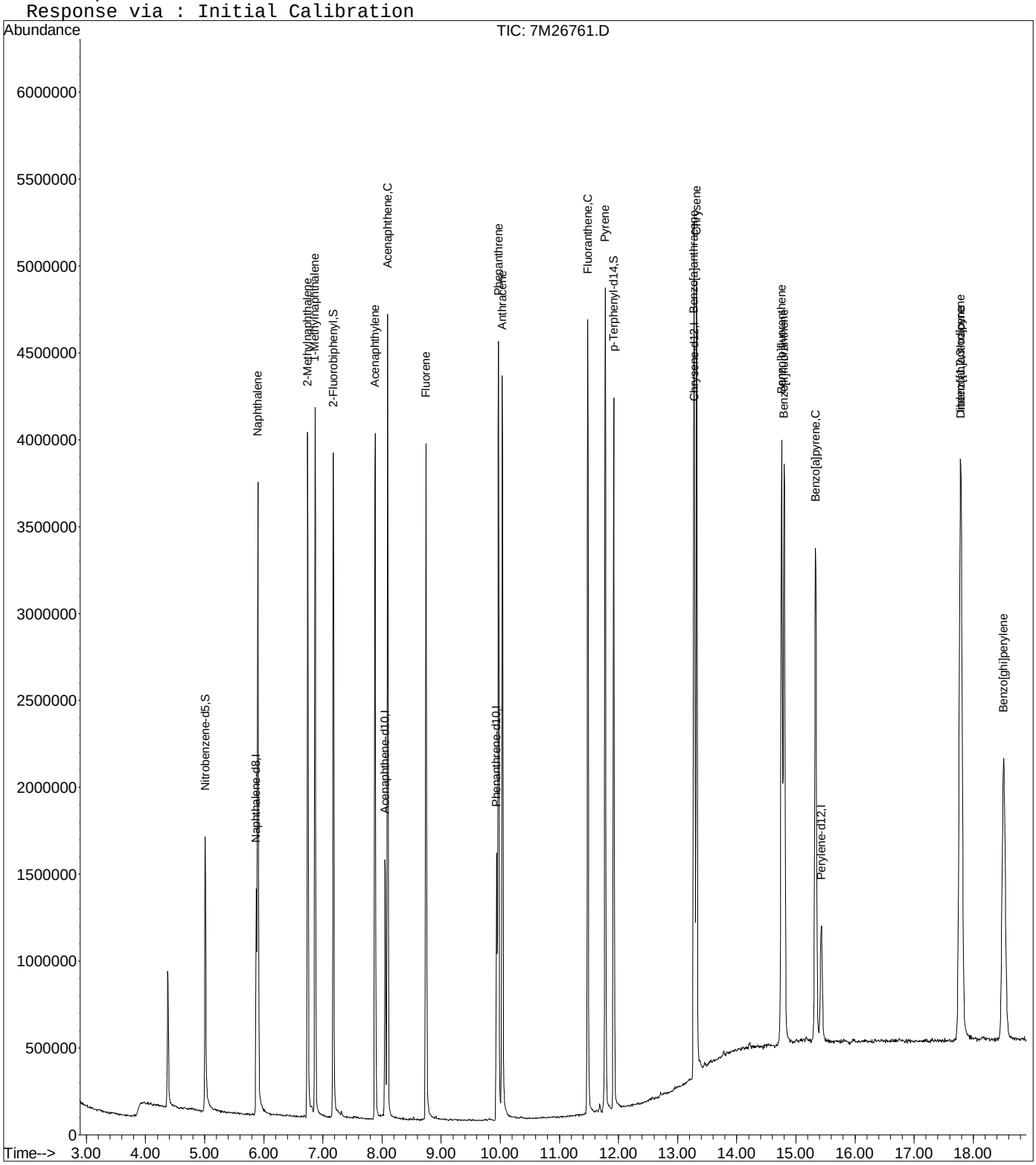
Target Compounds					Qvalue
3) Naphthalene	5.90	128	2345279	2.5399 ug/ml	100
4) 2-Methylnaphthalene	6.74	142	1559360	2.6385 ug/ml	100
5) 1-Methylnaphthalene	6.87	142	1538124	2.6476 ug/ml	99
8) Acenaphthylene	7.88	152	2411314	2.6692 ug/ml	99
9) Acenaphthene	8.10	154	1409512	2.5497 ug/ml	100
10) Fluorene	8.74	166	1673014	2.5870 ug/ml	100
12) Phenanthrene	9.97	178	2326460	2.5230 ug/ml	100
13) Anthracene	10.03	178	2410010	2.6561 ug/ml	100
14) Fluoranthene	11.48	202	2455631	2.5077 ug/ml	100
16) Pyrene	11.78	202	2607833	2.5661 ug/ml	99
18) Benzo[a]anthracene	13.27	228	2252551	2.5282 ug/ml	99
19) Chrysene	13.32	228	2279307	2.6061 ug/ml	100
21) Benzo[b]fluoranthene	14.76	252	2493379	2.6696 ug/ml	99
22) Benzo[k]fluoranthene	14.80	252	2303160	2.5232 ug/ml	98
23) Benzo[a]pyrene	15.33	252	2315739	2.5882 ug/ml	100
24) Indeno[1,2,3-cd]pyrene	17.78	276	2604345	2.5137 ug/ml#	99
25) Dibenz[ah]anthracene	17.79	278	2175472	2.5094 ug/ml	100
26) Benzo[ghi]perylene	18.51	276	2225346	2.5633 ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\100505\7M26761.D Vial: 9
Acq On : 5 Oct 2005 12:26 Operator: CLK
Sample : WG197981-08 2.5ppm Alt Source PAHL STD Inst : HPMS7
Misc : 1,1 SOS74-21 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 5 17:05 2005 Quant Results File: PAH1005.RES

Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Wed Oct 05 13:17:23 2005
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\100505\7M26761.D Vial: 9
Acq On : 5 Oct 2005 12:26 Operator: CLK
Sample : WG197981-08 2.5ppm Alt Source PAHL STD Inst : HPMS7
Misc : 1,1 SOS74-21 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Wed Oct 05 13:17:23 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Naphthalene-d8	1.000	1.000	0.0	99	0.00
2	S	Nitrobenzene-d5	0.391	0.393	-0.5	94	0.00
3		Naphthalene	1.120	1.138	-1.6	97	0.00
4		2-Methylnaphthalene	0.717	0.756	-5.4	100	0.00
5		1-Methylnaphthalene	0.704	0.746	-6.0	101	0.00
6	I	Acenaphthene-d10	1.000	1.000	0.0	99	0.00
7	S	2-Fluorobiphenyl	1.502	1.524	-1.5	97	0.00
8		Acenaphthylene	2.073	2.213	-6.8	99	0.00
9	C	Acenaphthene	1.268	1.293	-2.0	97	0.00
10		Fluorene	1.484	1.535	-3.4	99	0.00
11	I	Phenanthrene-d10	1.000	1.000	0.0	99	0.00
12		Phenanthrene	1.295	1.307	-0.9	97	0.00
13		Anthracene	1.275	1.354	-6.2	98	0.00
14	C	Fluoranthene	1.376	1.380	-0.3	95	0.00
15	I	Chrysene-d12	1.000	1.000	0.0	98	0.00
16		Pyrene	1.482	1.521	-2.6	98	0.00
17	S	p-Terphenyl-d14	1.001	1.003	-0.2	95	0.00
18		Benzo[a]anthracene	1.299	1.314	-1.2	95	0.00
19		Chrysene	1.275	1.329	-4.2	100	0.00
20	I	Perylene-d12	1.000	1.000	0.0	98	0.00
21		Benzo[b]fluoranthene	1.816	1.939	-6.8	100	0.00
22		Benzo[k]fluoranthene	1.775	1.791	-0.9	95	0.00
23	C	Benzo[a]pyrene	1.740	1.801	-3.5	98	0.00
24		Indeno[1,2,3-cd]pyrene	2.015	2.026	-0.5	96	0.00
25		Dibenz[ah]anthracene	1.686	1.692	-0.4	96	0.00
26		Benzo[ghi]perylene	1.688	1.731	-2.5	99	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7M26761.D PAH1005.M Wed Oct 05 17:05:49 2005 Page 1

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\100505\7M26761.D Vial: 9
Acq On : 5 Oct 2005 12:26 Operator: CLK
Sample : WG197981-08 2.5ppm Alt Source PAHL STD Inst : HPMS7
Misc : 1,1 SOS74-21 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Wed Oct 05 13:17:23 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Naphthalene-d8	1.000	1.000	0.0	99	0.00
2	S	Nitrobenzene-d5	2.500	2.514	-0.6	94	0.00
3		Naphthalene	2.500	2.540	-1.6	97	0.00
4		2-Methylnaphthalene	2.500	2.639	-5.6	100	0.00
5		1-Methylnaphthalene	2.500	2.648	-5.9	101	0.00
6	I	Acenaphthene-d10	1.000	1.000	0.0	99	0.00
7	S	2-Fluorobiphenyl	2.500	2.536	-1.4	97	0.00
8		Acenaphthylene	2.500	2.669	-6.8	99	0.00
9	C	Acenaphthene	2.500	2.550	-2.0	97	0.00
10		Fluorene	2.500	2.587	-3.5	99	0.00
11	I	Phenanthrene-d10	1.000	1.000	0.0	99	0.00
12		Phenanthrene	2.500	2.523	-0.9	97	0.00
13		Anthracene	2.500	2.656	-6.2	98	0.00
14	C	Fluoranthene	2.500	2.508	-0.3	95	0.00
15	I	Chrysene-d12	1.000	1.000	0.0	98	0.00
16		Pyrene	2.500	2.566	-2.6	98	0.00
17	S	p-Terphenyl-d14	2.500	2.504	-0.2	95	0.00
18		Benzo[a]anthracene	2.500	2.528	-1.1	95	0.00
19		Chrysene	2.500	2.606	-4.2	100	0.00
20	I	Perylene-d12	1.000	1.000	0.0	98	0.00
21		Benzo[b]fluoranthene	2.500	2.670	-6.8	100	0.00
22		Benzo[k]fluoranthene	2.500	2.523	-0.9	95	0.00
23	C	Benzo[a]pyrene	2.500	2.588	-3.5	98	0.00
24		Indeno[1,2,3-cd]pyrene	2.500	2.514	-0.6	96	0.00
25		Dibenz[ah]anthracene	2.500	2.509	-0.4	96	0.00
26		Benzo[ghi]perylene	2.500	2.563	-2.5	99	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7M26761.D PAH1005.M Wed Oct 05 17:05:45 2005 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101805\7M26931.D Vial: 3
Acq On : 18 Oct 2005 18:38 Operator: CLK
Sample : WG198895-02 2.5ppm PAHL STD Inst : HPMS7
Misc : 1,1 SOS75-45-2 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 18 20:20:35 2005 Quant Results File: PAH1018.RES

Quant Method : C:\MSDCHEM\1\METHODS\PAH1018.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/18/05
Last Update : Tue Oct 18 20:19:49 2005
Response via : Initial Calibration
DataAcq Meth : PAHL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Naphthalene-d8	5.84	136	498716	1.00 ug/ml	0.00
6) Acenaphthene-d10	8.03	164	257350	1.00 ug/ml	0.00
11) Phenanthrene-d10	9.91	188	421355	1.00 ug/ml	0.00
15) Chrysene-d12	13.27	240	441296	1.00 ug/ml	0.00
20) Perylene-d12	15.39	264	341517	1.00 ug/ml	0.00
System Monitoring Compounds					
2) Nitrobenzene-d5	4.98	82	501363	2.5710 ug/ml	0.00
Spiked Amount 2.500	Range 35 - 114		Recovery	= 102.80%	
7) 2-Fluorobiphenyl	7.15	172	1032454	2.6705 ug/ml	0.00
Spiked Amount 2.500	Range 43 - 116		Recovery	= 106.80%	
17) p-Terphenyl-d14	11.90	244	1063588	2.4068 ug/ml	0.00
Spiked Amount 2.500	Range 33 - 141		Recovery	= 96.40%	

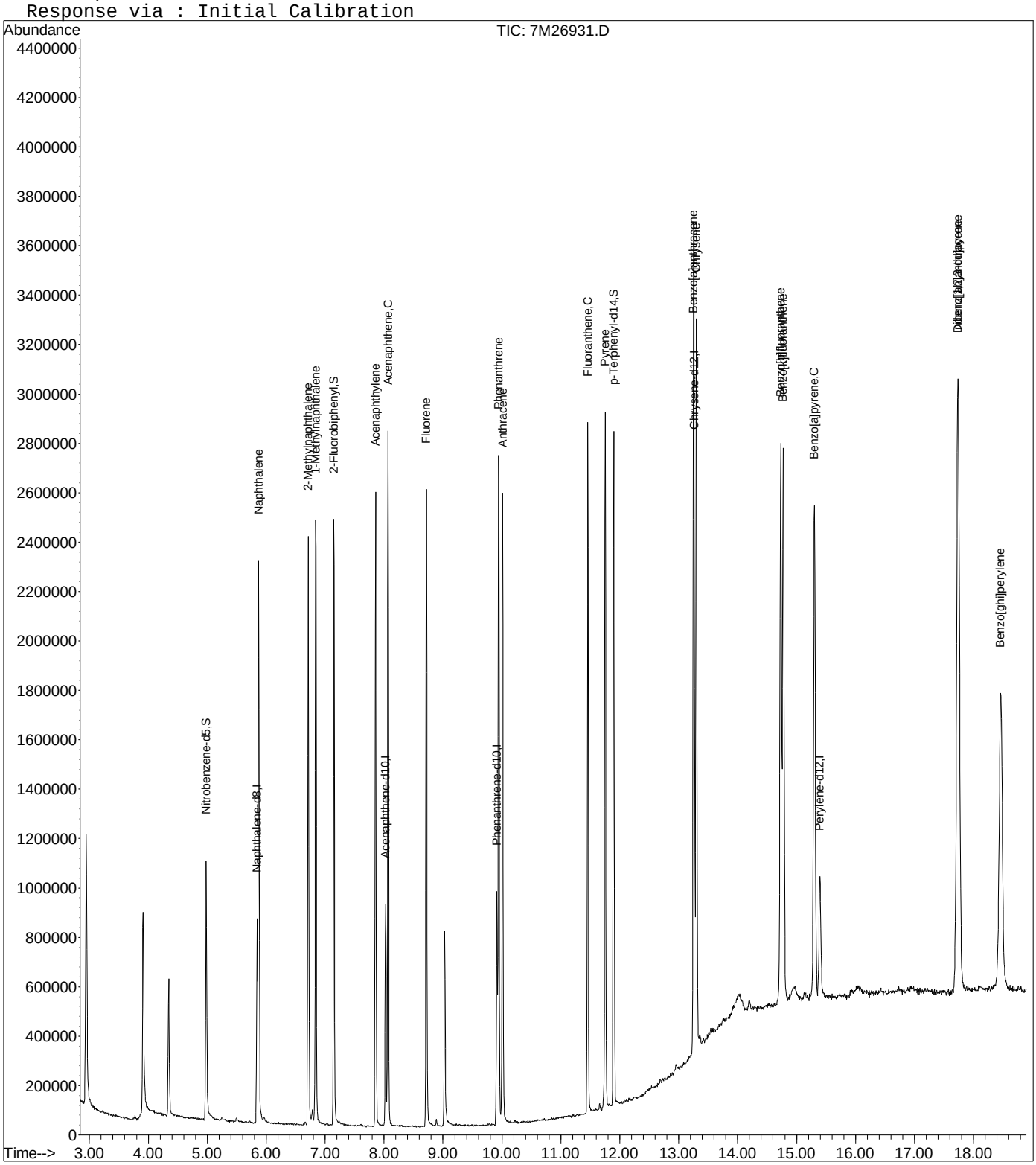
Target Compounds					Qvalue
3) Naphthalene	5.87	128	1429619	2.5601 ug/ml	99
4) 2-Methylnaphthalene	6.71	142	929264	2.5999 ug/ml	99
5) 1-Methylnaphthalene	6.84	142	898831	2.5583 ug/ml	98
8) Acenaphthylene	7.86	152	1416226	2.6553 ug/ml	99
9) Acenaphthene	8.07	154	835483	2.5598 ug/ml	99
10) Fluorene	8.72	166	995080	2.6062 ug/ml	100
12) Phenanthrene	9.95	178	1410401	2.5838 ug/ml	99
13) Anthracene	10.01	178	1415442	2.6352 ug/ml	100
14) Fluoranthene	11.46	202	1500862	2.5891 ug/ml	98
16) Pyrene	11.75	202	1556868	2.3809 ug/ml	100
18) Benzo[a]anthracene	13.25	228	1483873	2.5884 ug/ml	100
19) Chrysene	13.30	228	1425098	2.5324 ug/ml	100
21) Benzo[b]fluoranthene	14.73	252	1679485	2.7078 ug/ml	98
22) Benzo[k]fluoranthene	14.78	252	1539993	2.5405 ug/ml	99
23) Benzo[a]pyrene	15.30	252	1566343	2.6361 ug/ml	99
24) Indeno[1,2,3-cd]pyrene	17.74	276	1911398	2.7780 ug/ml	96
25) Dibenz[ah]anthracene	17.74	278	1593145	2.7672 ug/ml	99
26) Benzo[ghi]perylene	18.46	276	1566771	2.7176 ug/ml	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101805\7M26931.D Vial: 3
Acq On : 18 Oct 2005 18:38 Operator: CLK
Sample : WG198895-02 2.5ppm PAHL STD Inst : HPMS7
Misc : 1,1 SOS75-45-2 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 18 20:20 2005 Quant Results File: PAH1018.RES

Method : C:\MSDCHEM\1\METHODS\PAH1018.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/18/05
Last Update : Wed Oct 19 07:22:18 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101805\7M26932.D Vial: 4
Acq On : 18 Oct 2005 19:11 Operator: CLK
Sample : WG198895-03 10ppm PAHL STD Inst : HPMS7
Misc : 1,1 SOS75-44 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 18 20:20:48 2005 Quant Results File: PAH1018.RES

Quant Method : C:\MSDCHEM\1\METHODS\PAH1018.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/18/05
Last Update : Tue Oct 18 20:19:49 2005
Response via : Initial Calibration
DataAcq Meth : PAHL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Naphthalene-d8	5.85	136	497581	1.00 ug/ml	0.00
6) Acenaphthene-d10	8.03	164	254529	1.00 ug/ml	0.00
11) Phenanthrene-d10	9.91	188	427769	1.00 ug/ml	0.00
15) Chrysene-d12	13.27	240	470446	1.00 ug/ml	0.00
20) Perylene-d12	15.40	264	336090	1.00 ug/ml	0.00

System Monitoring Compounds					
2) Nitrobenzene-d5	4.98	82	2120352	10.8978 ug/ml	0.00
Spiked Amount 2.500	Range 35 - 114		Recovery = 436.00%#		
7) 2-Fluorobiphenyl	7.15	172	4110903	10.7510 ug/ml	0.00
Spiked Amount 2.500	Range 43 - 116		Recovery = 430.00%#		
17) p-Terphenyl-d14	11.90	244	4358087	9.2507 ug/ml	0.00
Spiked Amount 2.500	Range 33 - 141		Recovery = 370.00%#		

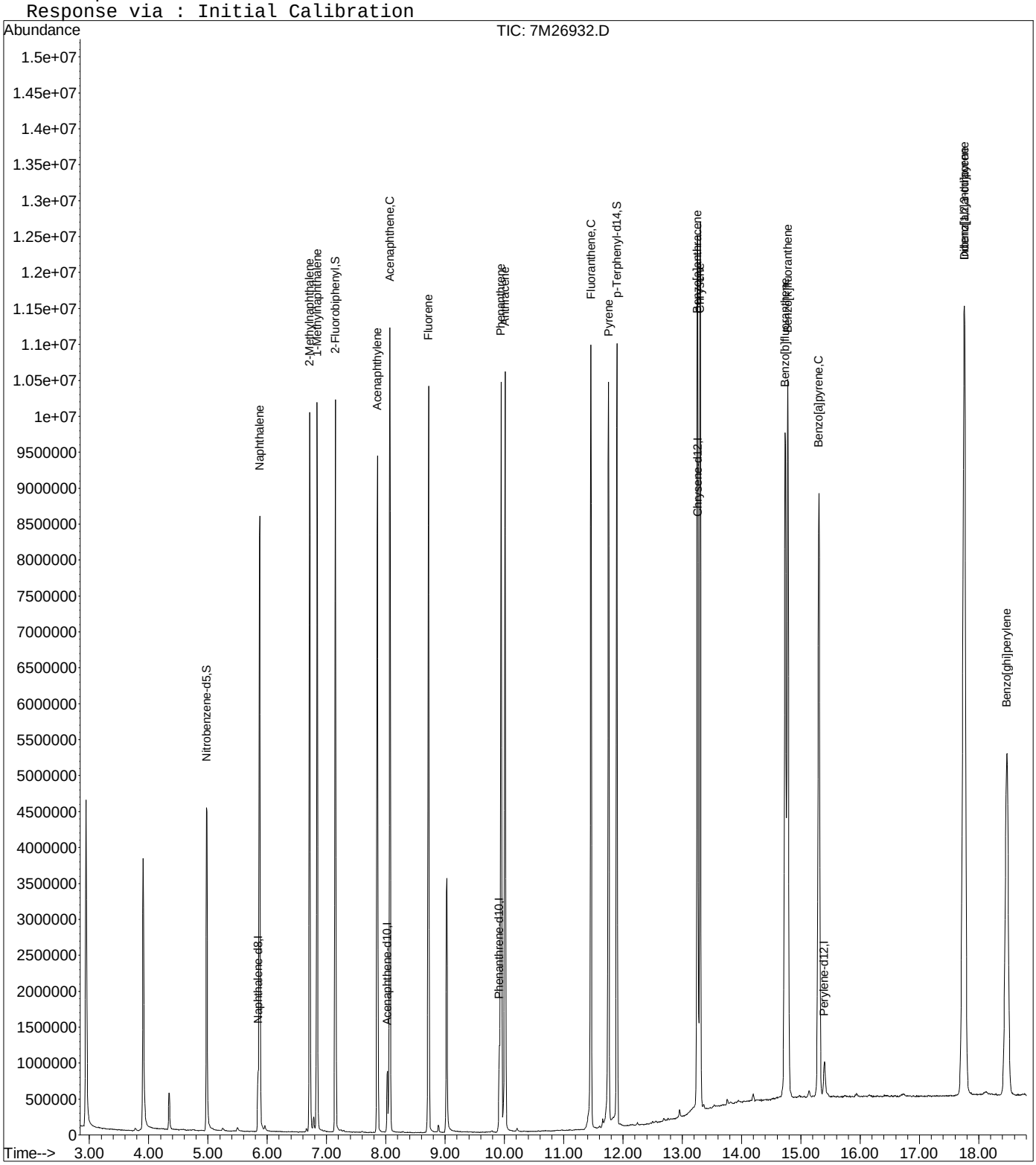
Target Compounds					Qvalue
3) Naphthalene	5.87	128	5445103	9.7729 ug/ml	97
4) 2-Methylnaphthalene	6.71	142	3690121	10.3480 ug/ml	100
5) 1-Methylnaphthalene	6.84	142	3582617	10.2202 ug/ml	96
8) Acenaphthylene	7.86	152	5520591	10.4653 ug/ml	96
9) Acenaphthene	8.07	154	3412244	10.5705 ug/ml	99
10) Fluorene	8.72	166	4042568	10.7053 ug/ml	100
12) Phenanthrene	9.94	178	5534912	9.9878 ug/ml	97
13) Anthracene	10.01	178	5629429	10.3233 ug/ml	97
14) Fluoranthene	11.46	202	5835659	9.9158 ug/ml	97
16) Pyrene	11.76	202	6083146	8.7264 ug/ml	96
18) Benzo[a]anthracene	13.26	228	5987916	9.7977 ug/ml	98
19) Chrysene	13.30	228	5596108	9.3281 ug/ml	96
21) Benzo[b]fluoranthene	14.73	252	6665419	10.9199 ug/ml	98
22) Benzo[k]fluoranthene	14.78	252	6382957	10.6997 ug/ml	99
23) Benzo[a]pyrene	15.30	252	6375251	10.9026 ug/ml	98
24) Indeno[1,2,3-cd]pyrene	17.75	276	8092825	11.9521 ug/ml	99
25) Dibenz[ah]anthracene	17.76	278	6862396	12.1119 ug/ml	99
26) Benzo[ghi]perylene	18.48	276	6427699	11.3289 ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101805\7M26932.D Vial: 4
Acq On : 18 Oct 2005 19:11 Operator: CLK
Sample : WG198895-03 10ppm PAHL STD Inst : HPMS7
Misc : 1,1 SOS75-44 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 18 20:20 2005 Quant Results File: PAH1018.RES

Method : C:\MSDCHEM\1\METHODS\PAH1018.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/18/05
Last Update : Wed Oct 19 07:22:18 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101805\7M26933.D Vial: 5
Acq On : 18 Oct 2005 19:37 Operator: CLK
Sample : WG198895-04 5ppm PAHL STD Inst : HPMS7
Misc : 1,1 SOS75-45-1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 18 20:21:15 2005 Quant Results File: PAH1018.RES

Quant Method : C:\MSDCHEM\1\METHODS\PAH1018.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/18/05
Last Update : Tue Oct 18 20:19:49 2005
Response via : Initial Calibration
DataAcq Meth : PAHL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Naphthalene-d8	5.84	136	481635	1.00 ug/ml	0.00
6) Acenaphthene-d10	8.02	164	249299	1.00 ug/ml	0.00
11) Phenanthrene-d10	9.91	188	408590	1.00 ug/ml	0.00
15) Chrysene-d12	13.26	240	431257	1.00 ug/ml	0.00
20) Perylene-d12	15.39	264	325648	1.00 ug/ml	0.00

System Monitoring Compounds					
2) Nitrobenzene-d5	4.98	82	991404	5.2641 ug/ml	0.00
Spiked Amount 2.500	Range 35 - 114		Recovery	= 210.40%#	
7) 2-Fluorobiphenyl	7.15	172	2022798	5.4011 ug/ml	0.00
Spiked Amount 2.500	Range 43 - 116		Recovery	= 216.00%#	
17) p-Terphenyl-d14	11.89	244	2086162	4.8306 ug/ml	0.00
Spiked Amount 2.500	Range 33 - 141		Recovery	= 193.20%#	

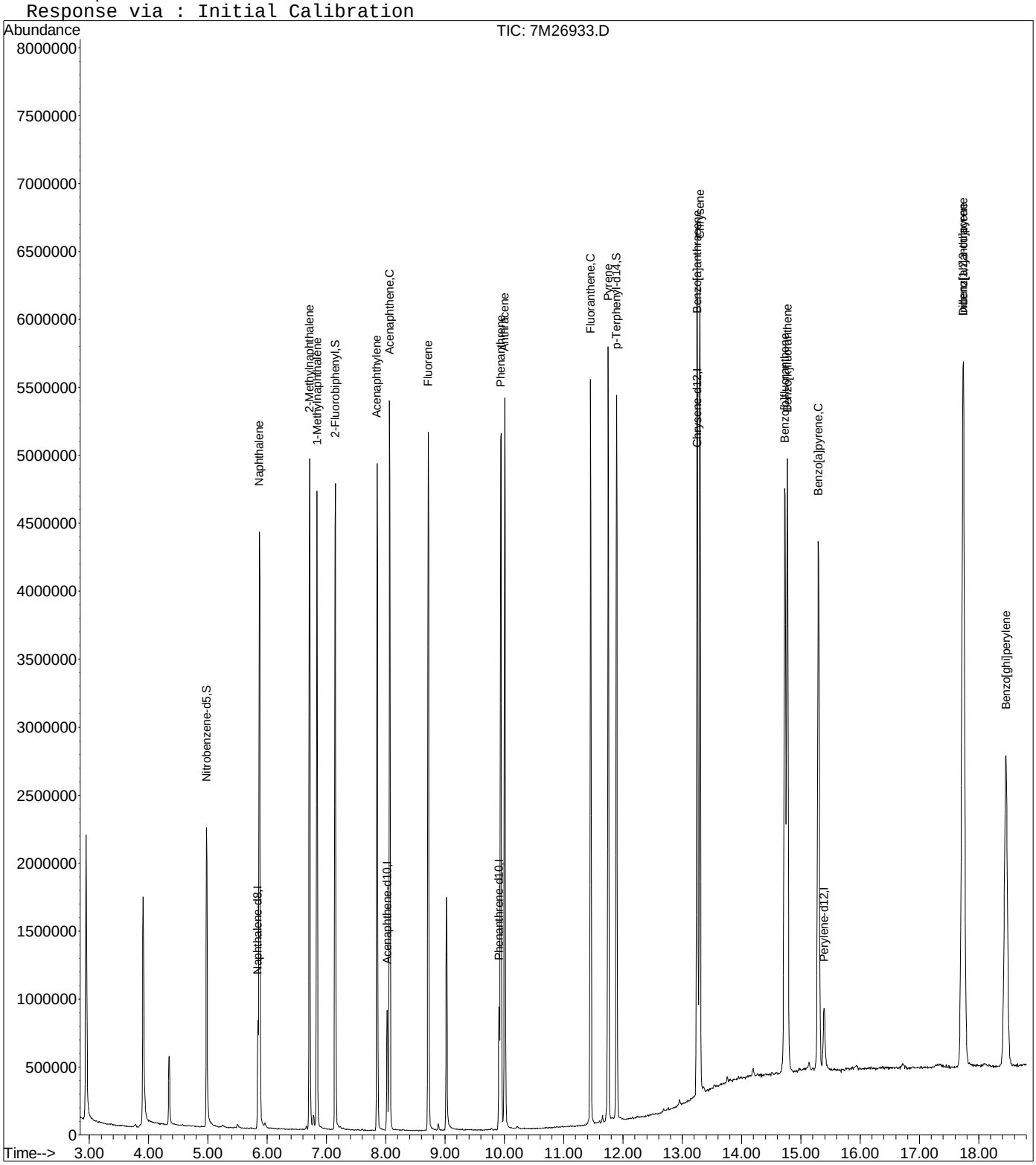
Target Compounds					Qvalue
3) Naphthalene	5.87	128	2761740	5.1209 ug/ml	99
4) 2-Methylnaphthalene	6.71	142	1805467	5.2306 ug/ml	100
5) 1-Methylnaphthalene	6.84	142	1756314	5.1762 ug/ml	98
8) Acenaphthylene	7.85	152	2759953	5.3417 ug/ml	98
9) Acenaphthene	8.06	154	1644783	5.2021 ug/ml	99
10) Fluorene	8.71	166	1973438	5.3356 ug/ml	99
12) Phenanthrene	9.94	178	2770951	5.2349 ug/ml	100
13) Anthracene	10.01	178	2805509	5.3863 ug/ml	99
14) Fluoranthene	11.45	202	2923735	5.2011 ug/ml	99
16) Pyrene	11.75	202	3044542	4.7643 ug/ml	98
18) Benzo[a]anthracene	13.25	228	2922448	5.2164 ug/ml	100
19) Chrysene	13.30	228	2715192	4.9372 ug/ml	99
21) Benzo[b]fluoranthene	14.73	252	3205870	5.4206 ug/ml	99
22) Benzo[k]fluoranthene	14.77	252	3023000	5.2299 ug/ml	99
23) Benzo[a]pyrene	15.29	252	3037221	5.3607 ug/ml	99
24) Indeno[1,2,3-cd]pyrene	17.73	276	3769956	5.7463 ug/ml	97
25) Dibenz[ah]anthracene	17.74	278	3149191	5.7365 ug/ml	99
26) Benzo[ghi]perylene	18.45	276	3014598	5.4837 ug/ml	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101805\7M26933.D Vial: 5
Acq On : 18 Oct 2005 19:37 Operator: CLK
Sample : WG198895-04 5ppm PAHL STD Inst : HPMS7
Misc : 1,1 SOS75-45-1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 18 20:21 2005 Quant Results File: PAH1018.RES

Method : C:\MSDCHEM\1\METHODS\PAH1018.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/18/05
Last Update : Wed Oct 19 07:22:18 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101805\7M26934.D Vial: 6
Acq On : 18 Oct 2005 20:03 Operator: CLK
Sample : WG198895-05 1ppm PAHL STD Inst : HPMS7
Misc : 1,1 SOS75-45-3 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 18 20:22:45 2005 Quant Results File: PAH1018.RES

Quant Method : C:\MSDCHEM\1\METHODS\PAH1018.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/18/05
Last Update : Tue Oct 18 20:19:49 2005
Response via : Initial Calibration
DataAcq Meth : PAHL

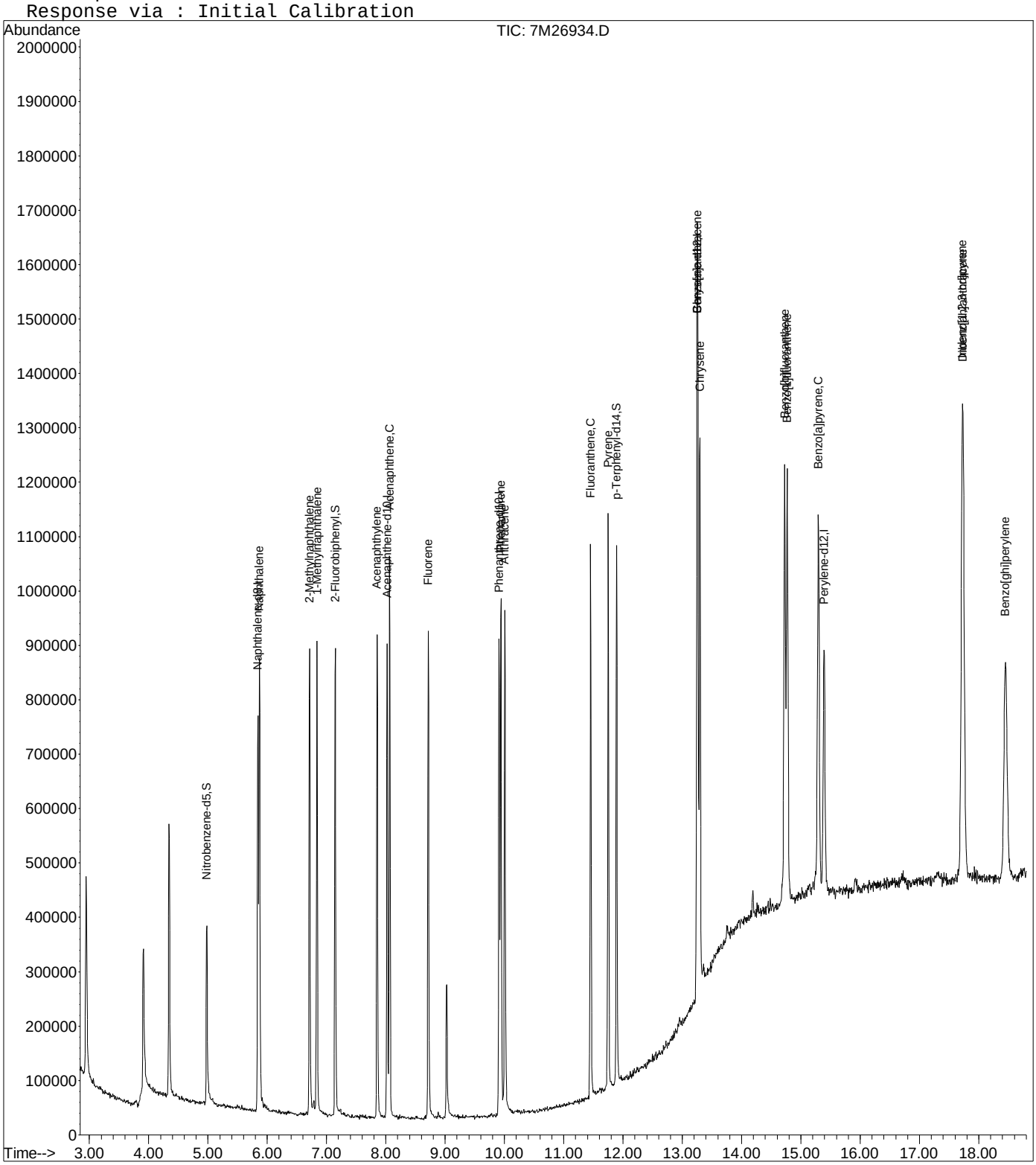
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Naphthalene-d8	5.84	136	467322	1.00 ug/ml	0.00
6) Acenaphthene-d10	8.02	164	246811	1.00 ug/ml	0.00
11) Phenanthrene-d10	9.91	188	398656	1.00 ug/ml	0.00
15) Chrysene-d12	13.26	240	399456	1.00 ug/ml	0.00
20) Perylene-d12	15.39	264	321884	1.00 ug/ml	0.00
System Monitoring Compounds					
2) Nitrobenzene-d5	4.98	82	175906	0.9626 ug/ml	0.00
Spiked Amount 2.500	Range 35 - 114		Recovery	= 38.40%	
7) 2-Fluorobiphenyl	7.15	172	378097	1.0197 ug/ml	0.00
Spiked Amount 2.500	Range 43 - 116		Recovery	= 40.80%#	
17) p-Terphenyl-d14	11.89	244	384568	0.9614 ug/ml	0.00
Spiked Amount 2.500	Range 33 - 141		Recovery	= 38.40%	
Target Compounds					Qvalue
3) Naphthalene	5.87	128	525735	1.0047 ug/ml	100
4) 2-Methylnaphthalene	6.71	142	340579	1.0169 ug/ml	98
5) 1-Methylnaphthalene	6.84	142	327108	0.9936 ug/ml	96
8) Acenaphthylene	7.85	152	511434	0.9998 ug/ml	99
9) Acenaphthene	8.06	154	305180	0.9750 ug/ml	99
10) Fluorene	8.71	166	365180	0.9973 ug/ml	97
12) Phenanthrene	9.94	178	511710	0.9908 ug/ml	100
13) Anthracene	10.01	178	520277	1.0238 ug/ml	99
14) Fluoranthene	11.45	202	544332	0.9925 ug/ml	98
16) Pyrene	11.75	202	573627	0.9691 ug/ml	99
18) Benzo[a]anthracene	13.25	228	536079	1.0330 ug/ml	99
19) Chrysene	13.30	228	509045	0.9993 ug/ml	98
21) Benzo[b]fluoranthene	14.73	252	566902	0.9697 ug/ml	98
22) Benzo[k]fluoranthene	14.77	252	586017	1.0257 ug/ml	98
23) Benzo[a]pyrene	15.29	252	561875	1.0033 ug/ml	98
24) Indeno[1,2,3-cd]pyrene	17.72	276	685317	1.0568 ug/ml	93
25) Dibenz[ah]anthracene	17.73	278	565490	1.0421 ug/ml	99
26) Benzo[ghi]perylene	18.45	276	559807	1.0302 ug/ml	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101805\7M26934.D Vial: 6
Acq On : 18 Oct 2005 20:03 Operator: CLK
Sample : WG198895-05 1ppm PAHL STD Inst : HPMS7
Misc : 1,1 SOS75-45-3 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 18 20:22 2005 Quant Results File: PAH1018.RES

Method : C:\MSDCHEM\1\METHODS\PAH1018.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/18/05
Last Update : Wed Oct 19 07:22:18 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101805\7M26935.D Vial: 7
Acq On : 18 Oct 2005 20:29 Operator: CLK
Sample : WG198895-06 0.5ppm PAHL STD Inst : HPMS7
Misc : 1,1 SOS75-45-4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 19 07:19:35 2005 Quant Results File: PAH1018.RES

Quant Method : C:\MSDCHEM\1\METHODS\PAH1018.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/18/05
Last Update : Tue Oct 18 20:19:49 2005
Response via : Initial Calibration
DataAcq Meth : PAHL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Naphthalene-d8	5.84	136	454107	1.00 ug/ml	0.00
6) Acenaphthene-d10	8.03	164	239120	1.00 ug/ml	0.00
11) Phenanthrene-d10	9.91	188	387443	1.00 ug/ml	0.00
15) Chrysene-d12	13.26	240	381470	1.00 ug/ml	0.00
20) Perylene-d12	15.39	264	306502	1.00 ug/ml	0.00

System Monitoring Compounds					
2) Nitrobenzene-d5	4.98	82	74285	0.4183 ug/ml	0.00
Spiked Amount 2.500	Range 35 - 114		Recovery	= 16.80%#	
7) 2-Fluorobiphenyl	7.15	172	182992	0.5094 ug/ml	0.00
Spiked Amount 2.500	Range 43 - 116		Recovery	= 20.40%#	
17) p-Terphenyl-d14	11.89	244	185041	0.4844 ug/ml	0.00
Spiked Amount 2.500	Range 33 - 141		Recovery	= 19.20%#	

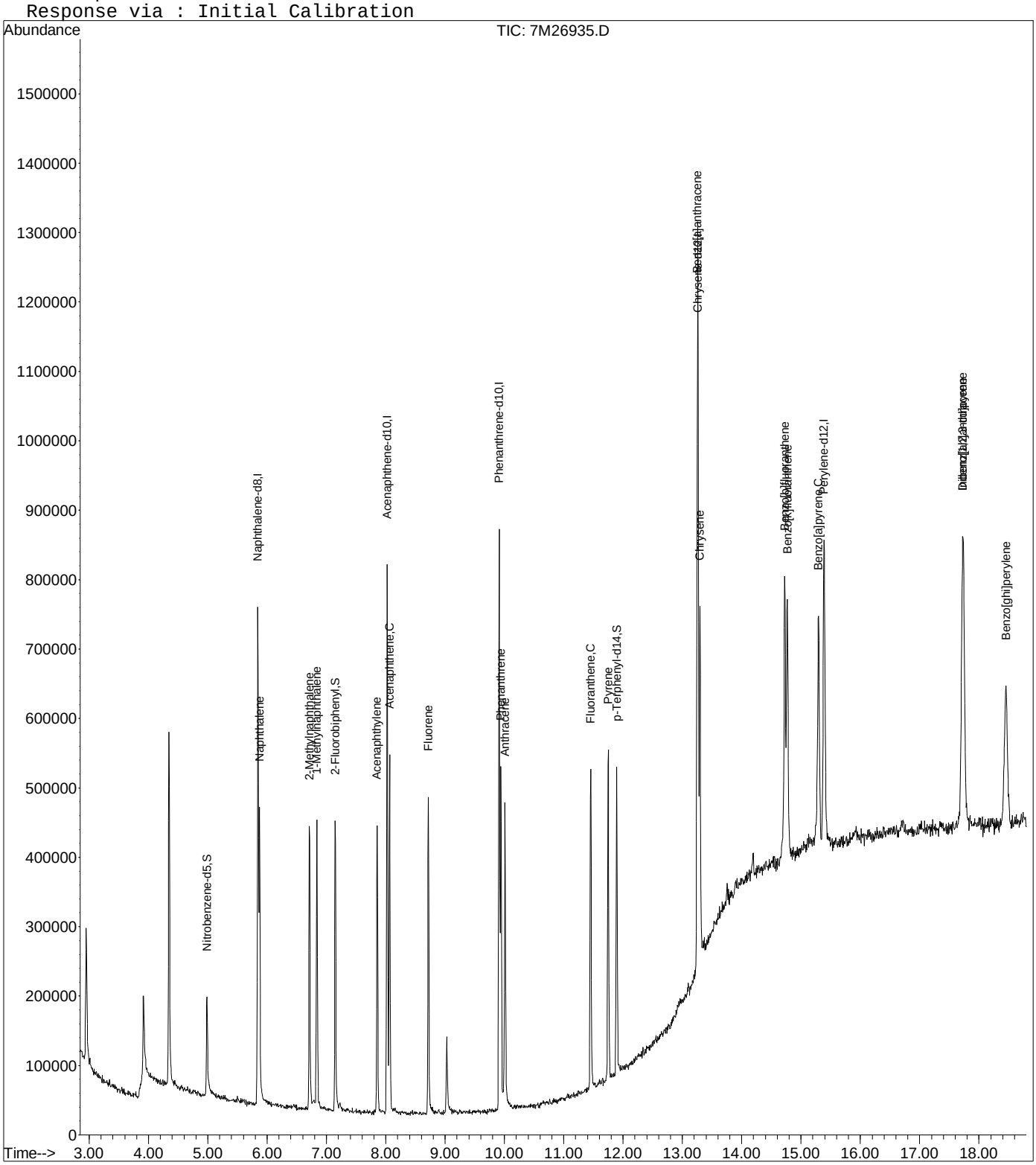
Target Compounds					Qvalue
3) Naphthalene	5.87	128	260206	0.5117 ug/ml	99
4) 2-Methylnaphthalene	6.71	142	163136	0.5013 ug/ml	98
5) 1-Methylnaphthalene	6.84	142	162852	0.5090 ug/ml	96
8) Acenaphthylene	7.85	152	247103	0.4986 ug/ml	99
9) Acenaphthene	8.07	154	149789	0.4939 ug/ml	98
10) Fluorene	8.72	166	174413	0.4916 ug/ml	99
12) Phenanthrene	9.94	178	255297	0.5086 ug/ml	99
13) Anthracene	10.01	178	247252	0.5006 ug/ml	100
14) Fluoranthene	11.45	202	261906	0.4913 ug/ml	99
16) Pyrene	11.75	202	278802	0.4932 ug/ml	98
18) Benzo[a]anthracene	13.25	228	248569	0.5016 ug/ml	99
19) Chrysene	13.30	228	242758	0.4990 ug/ml	100
21) Benzo[b]fluoranthene	14.72	252	282879	0.5082 ug/ml	98
22) Benzo[k]fluoranthene	14.77	252	270243	0.4967 ug/ml	99
23) Benzo[a]pyrene	15.30	252	271057	0.5083 ug/ml	100
24) Indeno[1,2,3-cd]pyrene	17.72	276	328983	0.5328 ug/ml	94
25) Dibenz[ah]anthracene	17.73	278	273018	0.5284 ug/ml	99
26) Benzo[ghi]perylene	18.46	276	273802	0.5292 ug/ml	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101805\7M26935.D Vial: 7
Acq On : 18 Oct 2005 20:29 Operator: CLK
Sample : WG198895-06 0.5ppm PAHL STD Inst : HPMS7
Misc : 1,1 SOS75-45-4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 19 7:19 2005 Quant Results File: PAH1018.RES

Method : C:\MSDCHEM\1\METHODS\PAH1018.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/18/05
Last Update : Wed Oct 19 07:22:18 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101805\7M26936.D Vial: 8
Acq On : 18 Oct 2005 20:56 Operator: CLK
Sample : WG198895-07 0.1ppm PAHL STD Inst : HPMS7
Misc : 1,1 SOS75-45-5 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 19 07:20:01 2005 Quant Results File: PAH1018.RES

Quant Method : C:\MSDCHEM\1\METHODS\PAH1018.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/18/05
Last Update : Tue Oct 18 20:19:49 2005
Response via : Initial Calibration
DataAcq Meth : PAHL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Naphthalene-d8	5.84	136	446068	1.00 ug/ml	0.00
6) Acenaphthene-d10	8.02	164	228787	1.00 ug/ml	0.00
11) Phenanthrene-d10	9.91	188	373745	1.00 ug/ml	0.00
15) Chrysene-d12	13.26	240	364238	1.00 ug/ml	0.00
20) Perylene-d12	15.39	264	294119	1.00 ug/ml	0.00

System Monitoring Compounds					
2) Nitrobenzene-d5	4.99	82	17279	0.0991 ug/ml	0.00
Spiked Amount 2.500	Range 35 - 114		Recovery =	4.00%#	
7) 2-Fluorobiphenyl	7.15	172	34622	0.1007 ug/ml	0.00
Spiked Amount 2.500	Range 43 - 116		Recovery =	4.00%#	
17) p-Terphenyl-d14	11.90	244	34667	0.0950 ug/ml	0.00
Spiked Amount 2.500	Range 33 - 141		Recovery =	4.00%#	

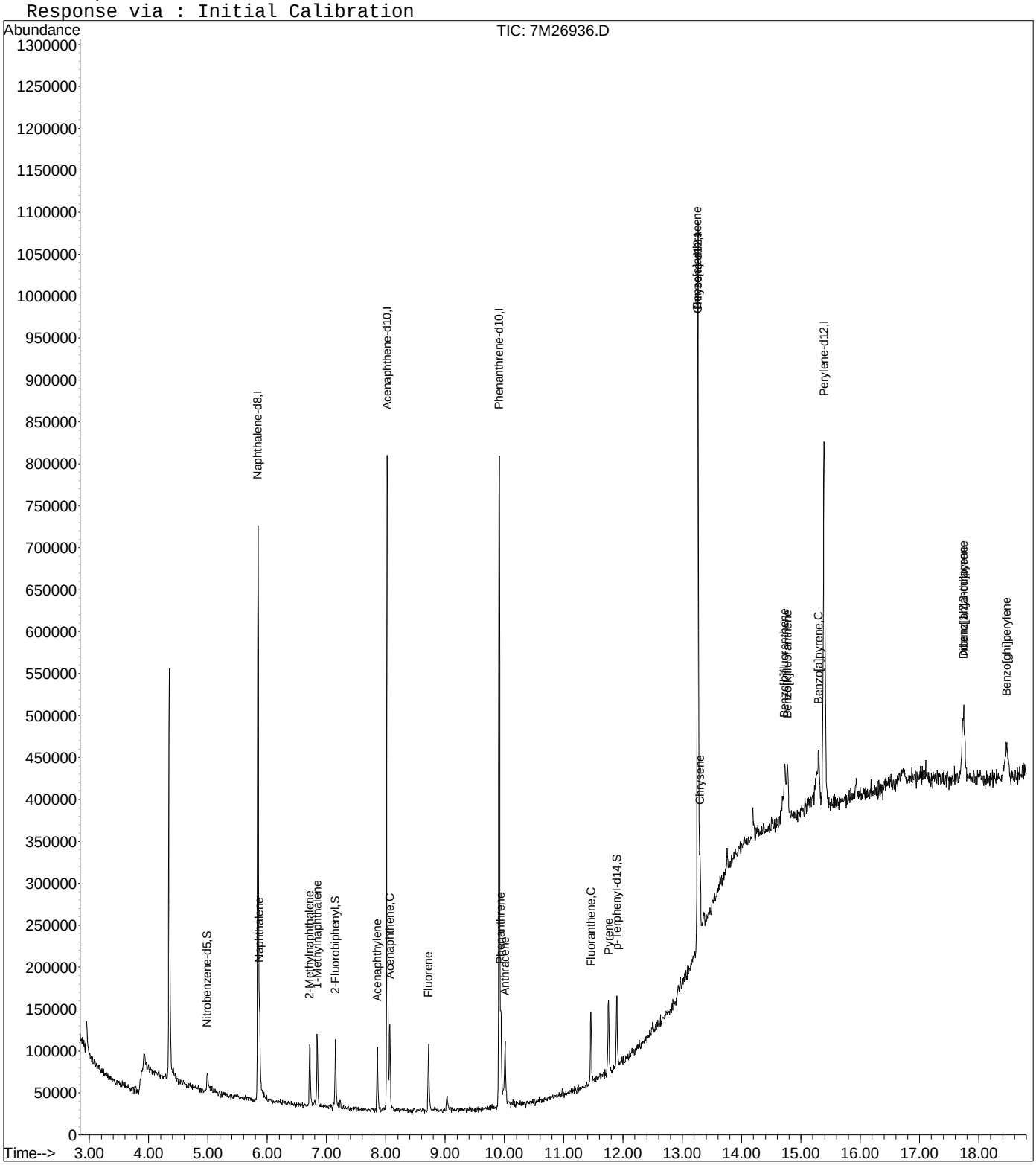
Target Compounds					Qvalue
3) Naphthalene	5.87	128	51429	0.1030 ug/ml	97
4) 2-Methylnaphthalene	6.72	142	30152	0.0943 ug/ml	94
5) 1-Methylnaphthalene	6.84	142	32302	0.1028 ug/ml	99
8) Acenaphthylene	7.86	152	44756	0.0944 ug/ml	99
9) Acenaphthene	8.07	154	30180	0.1040 ug/ml	98
10) Fluorene	8.72	166	31819	0.0937 ug/ml	94
12) Phenanthrene	9.94	178	48938	0.1011 ug/ml	98
13) Anthracene	10.01	178	44325	0.0930 ug/ml	98
14) Fluoranthene	11.46	202	51423	0.1000 ug/ml	99
16) Pyrene	11.75	202	54289	0.1006 ug/ml	98
18) Benzo[a]anthracene	13.25	228	49251	0.1041 ug/ml	99
19) Chrysene	13.30	228	47987	0.1033 ug/ml	99
21) Benzo[b]fluoranthene	14.73	252	51134	0.0957 ug/ml	96
22) Benzo[k]fluoranthene	14.77	252	50309	0.0964 ug/ml	94
23) Benzo[a]pyrene	15.30	252	52370	0.1023 ug/ml	94
24) Indeno[1,2,3-cd]pyrene	17.74	276	61921	0.1045 ug/ml#	99
25) Dibenz[ah]anthracene	17.74	278	53609	0.1081 ug/ml#	83
26) Benzo[ghi]perylene	18.46	276	54940	0.1107 ug/ml#	83

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101805\7M26936.D Vial: 8
Acq On : 18 Oct 2005 20:56 Operator: CLK
Sample : WG198895-07 0.1ppm PAHL STD Inst : HPMS7
Misc : 1,1 SOS75-45-5 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 19 7:20 2005 Quant Results File: PAH1018.RES

Method : C:\MSDCHEM\1\METHODS\PAH1018.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/18/05
Last Update : Wed Oct 19 07:22:18 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101805\7M26937.D Vial: 9
Acq On : 18 Oct 2005 21:22 Operator: CLK
Sample : WG198895-08 2.5ppm Alt Source PAHL STD Inst : HPMS7
Misc : 1,1 SOS74-21 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 19 09:56:41 2005 Quant Results File: PAH1018.RES

Quant Method : C:\MSDCHEM\1\METHODS\PAH1018.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/18/05
Last Update : Wed Oct 19 07:22:18 2005
Response via : Initial Calibration
DataAcq Meth : PAHL

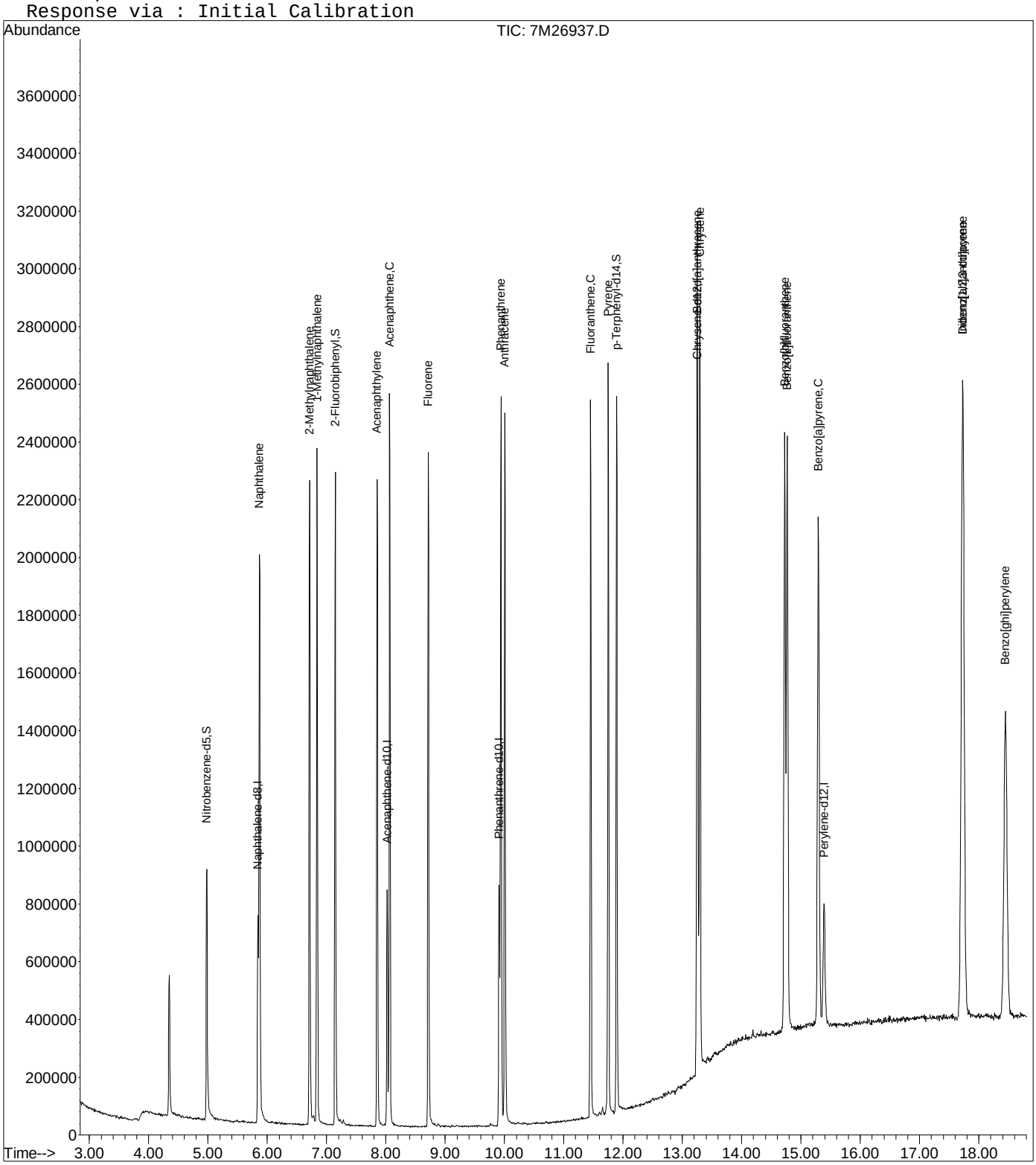
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Naphthalene-d8	5.84	136	452686	1.00 ug/ml	0.00
6) Acenaphthene-d10	8.02	164	234272	1.00 ug/ml	0.00
11) Phenanthrene-d10	9.91	188	389660	1.00 ug/ml	0.00
15) Chrysene-d12	13.26	240	391172	1.00 ug/ml	0.00
20) Perylene-d12	15.39	264	306487	1.00 ug/ml	0.00
System Monitoring Compounds					
2) Nitrobenzene-d5	4.98	82	431888	2.4559 ug/ml	0.00
Spiked Amount 2.500	Range 35 - 114		Recovery	= 98.40%	
7) 2-Fluorobiphenyl	7.15	172	934871	2.5422 ug/ml	0.00
Spiked Amount 2.500	Range 43 - 116		Recovery	= 101.60%	
17) p-Terphenyl-d14	11.89	244	961080	2.5671 ug/ml	0.00
Spiked Amount 2.500	Range 33 - 141		Recovery	= 102.80%	
Target Compounds					Qvalue
3) Naphthalene	5.87	128	1284924	2.5002 ug/ml	100
4) 2-Methylnaphthalene	6.71	142	869919	2.6446 ug/ml	100
5) 1-Methylnaphthalene	6.84	142	854633	2.6272 ug/ml	99
8) Acenaphthylene	7.85	152	1302710	2.6313 ug/ml	100
9) Acenaphthene	8.06	154	776681	2.5610 ug/ml	99
10) Fluorene	8.71	166	913134	2.5849 ug/ml	100
12) Phenanthrene	9.94	178	1292944	2.5201 ug/ml	99
13) Anthracene	10.00	178	1323820	2.6132 ug/ml	100
14) Fluoranthene	11.45	202	1350328	2.5011 ug/ml	99
16) Pyrene	11.75	202	1430404	2.5799 ug/ml	99
18) Benzo[a]anthracene	13.25	228	1310949	2.5228 ug/ml	100
19) Chrysene	13.30	228	1271512	2.5645 ug/ml	99
21) Benzo[b]fluoranthene	14.73	252	1413080	2.4557 ug/ml	97
22) Benzo[k]fluoranthene	14.77	252	1485049	2.6785 ug/ml	97
23) Benzo[a]pyrene	15.29	252	1422463	2.5567 ug/ml	99
24) Indeno[1,2,3-cd]pyrene	17.73	276	1704625	2.5010 ug/ml	98
25) Dibenz[ah]anthracene	17.73	278	1416901	2.4760 ug/ml	100
26) Benzo[ghi]perylene	18.45	276	1419304	2.5276 ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101805\7M26937.D Vial: 9
Acq On : 18 Oct 2005 21:22 Operator: CLK
Sample : WG198895-08 2.5ppm Alt Source PAHL STD Inst : HPMS7
Misc : 1,1 SOS74-21 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 19 9:56 2005 Quant Results File: PAH1018.RES

Method : C:\MSDCHEM\1\METHODS\PAH1018.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/18/05
Last Update : Wed Oct 19 07:22:18 2005
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\101805\7M26937.D Vial: 9
Acq On : 18 Oct 2005 21:22 Operator: CLK
Sample : WG198895-08 2.5ppm Alt Source PAHL STD Inst : HPMS7
Misc : 1,1 SOS74-21 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\PAH1018.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/18/05
Last Update : Wed Oct 19 07:22:18 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Naphthalene-d8	1.000	1.000	0.0	91	0.00
2	S	Nitrobenzene-d5	0.388	0.382	1.5	86	0.00
3		Naphthalene	1.135	1.135	0.0	90	0.00
4		2-Methylnaphthalene	0.727	0.769	-5.8	94	0.00
5		1-Methylnaphthalene	0.719	0.755	-5.0	95	0.00
6	I	Acenaphthene-d10	1.000	1.000	0.0	91	0.00
7	S	2-Fluorobiphenyl	1.570	1.596	-1.7	91	0.00
8		Acenaphthylene	2.113	2.224	-5.3	92	0.00
9	C	Acenaphthene	1.295	1.326	-2.4	93	0.00
10		Fluorene	1.508	1.559	-3.4	92	0.00
11	I	Phenanthrene-d10	1.000	1.000	0.0	92	0.00
12		Phenanthrene	1.317	1.327	-0.8	92	0.00
13		Anthracene	1.300	1.359	-4.5	94	0.00
14	C	Fluoranthene	1.386	1.386	0.0	90	0.00
15	I	Chrysene-d12	1.000	1.000	0.0	89	0.00
16		Pyrene	1.417	1.463	-3.2	92	0.00
17	S	p-Terphenyl-d14	0.957	0.983	-2.7	90	0.00
18		Benzo[a]anthracene	1.328	1.341	-1.0	88	0.00
19		Chrysene	1.268	1.300	-2.5	89	0.00
20	I	Perylene-d12	1.000	1.000	0.0	90	0.00
21		Benzo[b]fluoranthene	1.877	1.844	1.8	84	0.00
22		Benzo[k]fluoranthene	1.809	1.938	-7.1	96	-0.01
23	C	Benzo[a]pyrene	1.815	1.856	-2.3	91	-0.01
24		Indeno[1,2,3-cd]pyrene	2.224	2.225	-0.0	89	-0.01
25		Dibenz[ah]anthracene	1.867	1.849	1.0	89	0.00
26		Benzo[ghi]perylene	1.832	1.852	-1.1	91	-0.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7M26937.D PAH1018.M Wed Oct 19 09:56:45 2005 Page 1

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\101805\7M26937.D Vial: 9
Acq On : 18 Oct 2005 21:22 Operator: CLK
Sample : WG198895-08 2.5ppm Alt Source PAHL STD Inst : HPMS7
Misc : 1,1 SOS74-21 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\PAH1018.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/18/05
Last Update : Wed Oct 19 07:22:18 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Naphthalene-d8	1.000	1.000	0.0	91	0.00
2	S	Nitrobenzene-d5	2.500	2.456	1.8	86	0.00
3		Naphthalene	2.500	2.500	0.0	90	0.00
4		2-Methylnaphthalene	2.500	2.645	-5.8	94	0.00
5		1-Methylnaphthalene	2.500	2.627	-5.1	95	0.00
6	I	Acenaphthene-d10	1.000	1.000	0.0	91	0.00
7	S	2-Fluorobiphenyl	2.500	2.542	-1.7	91	0.00
8		Acenaphthylene	2.500	2.631	-5.2	92	0.00
9	C	Acenaphthene	2.500	2.561	-2.4	93	0.00
10		Fluorene	2.500	2.585	-3.4	92	0.00
11	I	Phenanthrene-d10	1.000	1.000	0.0	92	0.00
12		Phenanthrene	2.500	2.520	-0.8	92	0.00
13		Anthracene	2.500	2.613	-4.5	94	0.00
14	C	Fluoranthene	2.500	2.501	-0.0	90	0.00
15	I	Chrysene-d12	1.000	1.000	0.0	89	0.00
16		Pyrene	2.500	2.580	-3.2	92	0.00
17	S	p-Terphenyl-d14	2.500	2.567	-2.7	90	0.00
18		Benzo[a]anthracene	2.500	2.523	-0.9	88	0.00
19		Chrysene	2.500	2.565	-2.6	89	0.00
20	I	Perylene-d12	1.000	1.000	0.0	90	0.00
21		Benzo[b]fluoranthene	2.500	2.456	1.8	84	0.00
22		Benzo[k]fluoranthene	2.500	2.678	-7.1	96	-0.01
23	C	Benzo[a]pyrene	2.500	2.557	-2.3	91	-0.01
24		Indeno[1,2,3-cd]pyrene	2.500	2.501	-0.0	89	-0.01
25		Dibenz[ah]anthracene	2.500	2.476	1.0	89	0.00
26		Benzo[ghi]perylene	2.500	2.528	-1.1	91	-0.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7M26937.D PAH1018.M Wed Oct 19 09:56:50 2005 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101305\7M26860.D Vial: 2
Acq On : 13 Oct 2005 12:16 Operator: CLK
Sample : WG198581-02 2.5ppm PAHL STD Inst : HPMS7
Misc : 1,1 SOS75-45-2 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 09:34:00 2005 Quant Results File: PAH1005.RES

Quant Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Thu Oct 13 13:28:19 2005
Response via : Initial Calibration
DataAcq Meth : PAHL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Naphthalene-d8	5.87	136	801352	1.00 ug/ml	0.00
6) Acenaphthene-d10	8.05	164	425755	1.00 ug/ml	0.00
11) Phenanthrene-d10	9.94	188	685212	1.00 ug/ml	0.00
15) Chrysene-d12	13.29	240	709128	1.00 ug/ml	0.00
20) Perylene-d12	15.43	264	530197	1.00 ug/ml	0.00

System Monitoring Compounds					
2) Nitrobenzene-d5	5.01	82	849503	2.7110 ug/ml	0.00
Spiked Amount 2.500	Range 35 - 114		Recovery	= 108.40%	
7) 2-Fluorobiphenyl	7.17	172	1675692	2.6199 ug/ml	0.00
Spiked Amount 2.500	Range 43 - 116		Recovery	= 104.80%	
17) p-Terphenyl-d14	11.92	244	1775809	2.5007 ug/ml	0.00
Spiked Amount 2.500	Range 33 - 141		Recovery	= 100.00%	

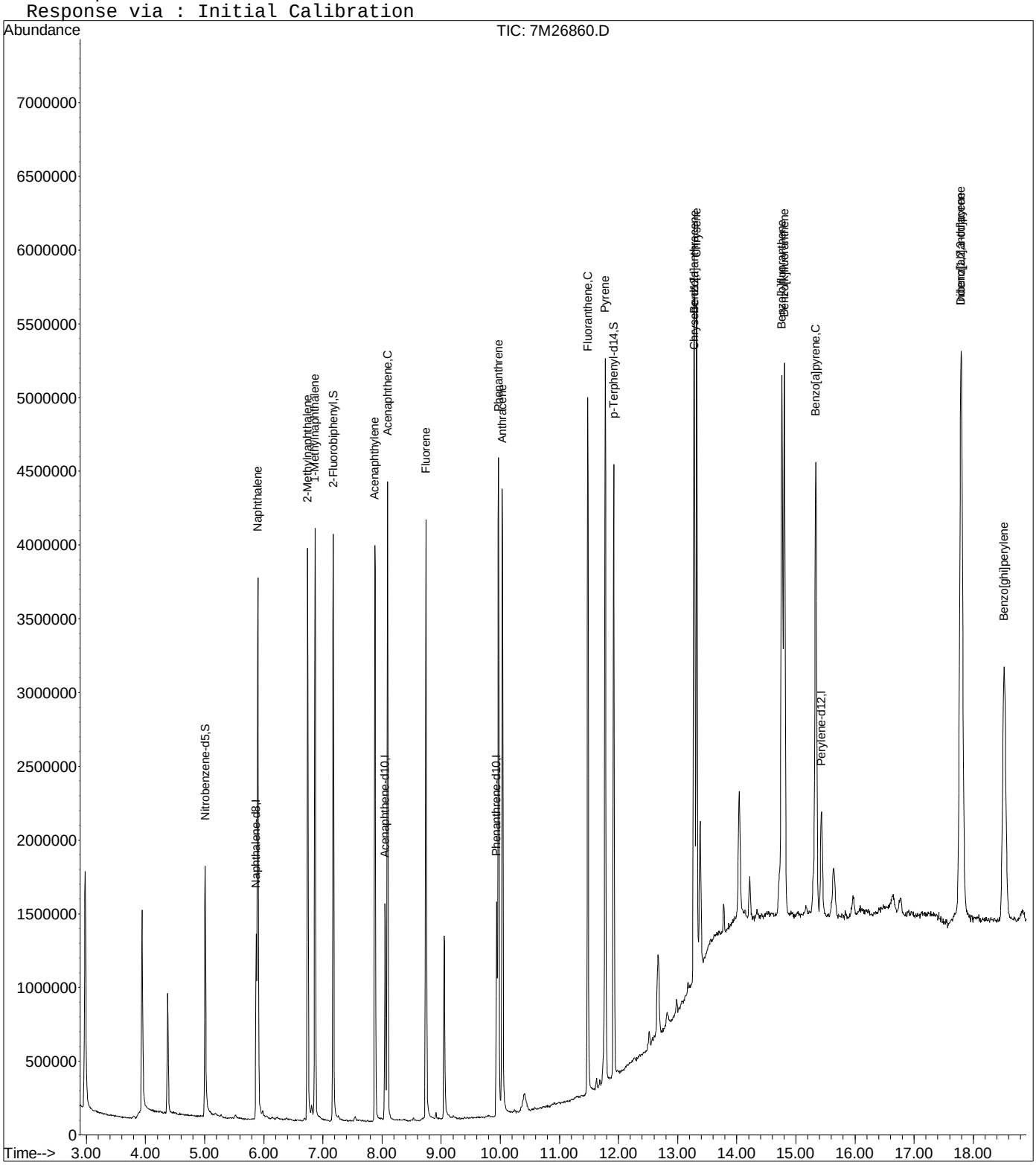
Target Compounds					Qvalue
3) Naphthalene	5.90	128	2337959	2.6055 ug/ml	100
4) 2-Methylnaphthalene	6.74	142	1507676	2.6252 ug/ml	100
5) 1-Methylnaphthalene	6.87	142	1489012	2.6375 ug/ml	99
8) Acenaphthylene	7.88	152	2373080	2.6894 ug/ml	100
9) Acenaphthene	8.10	154	1387216	2.5691 ug/ml	100
10) Fluorene	8.74	166	1661689	2.6307 ug/ml	99
12) Phenanthrene	9.97	178	2322802	2.6167 ug/ml	100
13) Anthracene	10.03	178	2365787	2.7084 ug/ml	100
14) Fluoranthene	11.48	202	2508876	2.6614 ug/ml	99
16) Pyrene	11.78	202	2607226	2.4813 ug/ml	100
18) Benzo[a]anthracene	13.27	228	2393530	2.5982 ug/ml	99
19) Chrysene	13.32	228	2298862	2.5422 ug/ml	100
21) Benzo[b]fluoranthene	14.76	252	2512499	2.6093 ug/ml	100
22) Benzo[k]fluoranthene	14.81	252	2506346	2.6632 ug/ml	99
23) Benzo[a]pyrene	15.34	252	2430237	2.6345 ug/ml	100
24) Indeno[1,2,3-cd]pyrene	17.79	276	2846507	2.6649 ug/ml	98
25) Dibenz[ah]anthracene	17.80	278	2387352	2.6710 ug/ml	98
26) Benzo[ghi]perylene	18.53	276	2353628	2.6296 ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101305\7M26860.D Vial: 2
Acq On : 13 Oct 2005 12:16 Operator: CLK
Sample : WG198581-02 2.5ppm PAHL STD Inst : HPMS7
Misc : 1,1 SOS75-45-2 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 9:34 2005 Quant Results File: PAH1005.RES

Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Thu Oct 13 13:28:19 2005
Response via : Initial Calibration



Continuing Calibration Area and RT check

Instrument: HPMS7
Initial cal date: 5 Oct 2005 9:49
CCV date: 13 Oct 2005 12:16
CCV Filename: 7M26860.D

	Naphthalene-d8		Acenaphthene-d10	
	Amount	RT	Amount	RT
InitCal	828777	5.88	439342	8.05
CCV	801352	5.87	425755	8.05

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Amount	RT	Amount	RT	Amount	RT
InitCal	721131	9.94	699987	13.29	527312	15.43
CCV	685212	9.94	709128	13.29	530197	15.43

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\101305\7M26860.D Vial: 2
Acq On : 13 Oct 2005 12:16 Operator: CLK
Sample : WG198581-02 2.5ppm PAHL STD Inst : HPMS7
Misc : 1,1 SOS75-45-2 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Thu Oct 13 13:28:19 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Naphthalene-d8	1.000	1.000	0.0	97	0.00
2	S	Nitrobenzene-d5	0.391	0.424	-8.4	98	0.00
3		Naphthalene	1.120	1.167	-4.2	97	0.00
4		2-Methylnaphthalene	0.717	0.753	-5.0	97	0.00
5		1-Methylnaphthalene	0.704	0.743	-5.5	98	0.00
6	I	Acenaphthene-d10	1.000	1.000	0.0	97	0.00
7	S	2-Fluorobiphenyl	1.502	1.574	-4.8	98	0.00
8		Acenaphthylene	2.073	2.230	-7.6	98	0.00
9	C	Acenaphthene	1.268	1.303	-2.8	96	0.00
10		Fluorene	1.484	1.561	-5.2	98	0.00
11	I	Phenanthrene-d10	1.000	1.000	0.0	95	0.00
12		Phenanthrene	1.295	1.356	-4.7	97	0.00
13		Anthracene	1.275	1.381	-8.3	96	0.00
14	C	Fluoranthene	1.376	1.465	-6.5	97	0.00
15	I	Chrysene-d12	1.000	1.000	0.0	101	0.00
16		Pyrene	1.482	1.471	0.7	97	0.00
17	S	p-Terphenyl-d14	1.001	1.002	-0.1	98	0.00
18		Benzo[a]anthracene	1.299	1.350	-3.9	101	0.00
19		Chrysene	1.275	1.297	-1.7	101	0.00
20	I	Perylene-d12	1.000	1.000	0.0	101	0.00
21		Benzo[b]fluoranthene	1.816	1.896	-4.4	101	0.00
22		Benzo[k]fluoranthene	1.775	1.891	-6.5	104	0.00
23	C	Benzo[a]pyrene	1.740	1.833	-5.3	103	0.00
24		Indeno[1,2,3-cd]pyrene	2.015	2.148	-6.6	105	0.00
25		Dibenz[ah]anthracene	1.686	1.801	-6.8	105	0.00
26		Benzo[ghi]perylene	1.688	1.776	-5.2	104	0.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7M26860.D PAH1005.M Fri Oct 14 09:34:03 2005 Page 1

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\101305\7M26860.D Vial: 2
Acq On : 13 Oct 2005 12:16 Operator: CLK
Sample : WG198581-02 2.5ppm PAHL STD Inst : HPMS7
Misc : 1,1 SOS75-45-2 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Thu Oct 13 13:28:19 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Naphthalene-d8	1.000	1.000	0.0	97	0.00
2	S	Nitrobenzene-d5	2.500	2.711	-8.4	98	0.00
3		Naphthalene	2.500	2.606	-4.2	97	0.00
4		2-Methylnaphthalene	2.500	2.625	-5.0	97	0.00
5		1-Methylnaphthalene	2.500	2.638	-5.5	98	0.00
6	I	Acenaphthene-d10	1.000	1.000	0.0	97	0.00
7	S	2-Fluorobiphenyl	2.500	2.620	-4.8	98	0.00
8		Acenaphthylene	2.500	2.689	-7.6	98	0.00
9	C	Acenaphthene	2.500	2.569	-2.8	96	0.00
10		Fluorene	2.500	2.631	-5.2	98	0.00
11	I	Phenanthrene-d10	1.000	1.000	0.0	95	0.00
12		Phenanthrene	2.500	2.617	-4.7	97	0.00
13		Anthracene	2.500	2.708	-8.3	96	0.00
14	C	Fluoranthene	2.500	2.661	-6.4	97	0.00
15	I	Chrysene-d12	1.000	1.000	0.0	101	0.00
16		Pyrene	2.500	2.481	0.8	97	0.00
17	S	p-Terphenyl-d14	2.500	2.501	-0.0	98	0.00
18		Benzo[a]anthracene	2.500	2.598	-3.9	101	0.00
19		Chrysene	2.500	2.542	-1.7	101	0.00
20	I	Perylene-d12	1.000	1.000	0.0	101	0.00
21		Benzo[b]fluoranthene	2.500	2.609	-4.4	101	0.00
22		Benzo[k]fluoranthene	2.500	2.663	-6.5	104	0.00
23	C	Benzo[a]pyrene	2.500	2.635	-5.4	103	0.00
24		Indeno[1,2,3-cd]pyrene	2.500	2.665	-6.6	105	0.00
25		Dibenz[ah]anthracene	2.500	2.671	-6.8	105	0.00
26		Benzo[ghi]perylene	2.500	2.630	-5.2	104	0.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7M26860.D PAH1005.M Fri Oct 14 09:34:07 2005 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101405\7M26875.D Vial: 2
Acq On : 14 Oct 2005 10:02 Operator: CLK
Sample : WG198646-02 2.5ppm PAHL STD Inst : HPMS7
Misc : 1,1 SOS75-45-2 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 10:42:16 2005 Quant Results File: PAH1005.RES

Quant Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Fri Oct 14 11:40:14 2005
Response via : Initial Calibration
DataAcq Meth : PAHL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Naphthalene-d8	5.88	136	713225	1.00 ug/ml	0.00
6) Acenaphthene-d10	8.05	164	379681	1.00 ug/ml	0.00
11) Phenanthrene-d10	9.94	188	622195	1.00 ug/ml	0.00
15) Chrysene-d12	13.29	240	617147	1.00 ug/ml	0.00
20) Perylene-d12	15.44	264	481006	1.00 ug/ml	0.00

System Monitoring Compounds					
2) Nitrobenzene-d5	5.01	82	741259	2.6579 ug/ml	0.00
Spiked Amount 2.500	Range 35 - 114		Recovery	= 106.40%	
7) 2-Fluorobiphenyl	7.17	172	1508954	2.6455 ug/ml	0.00
Spiked Amount 2.500	Range 43 - 116		Recovery	= 106.00%	
17) p-Terphenyl-d14	11.92	244	1591928	2.5759 ug/ml	0.00
Spiked Amount 2.500	Range 33 - 141		Recovery	= 103.20%	

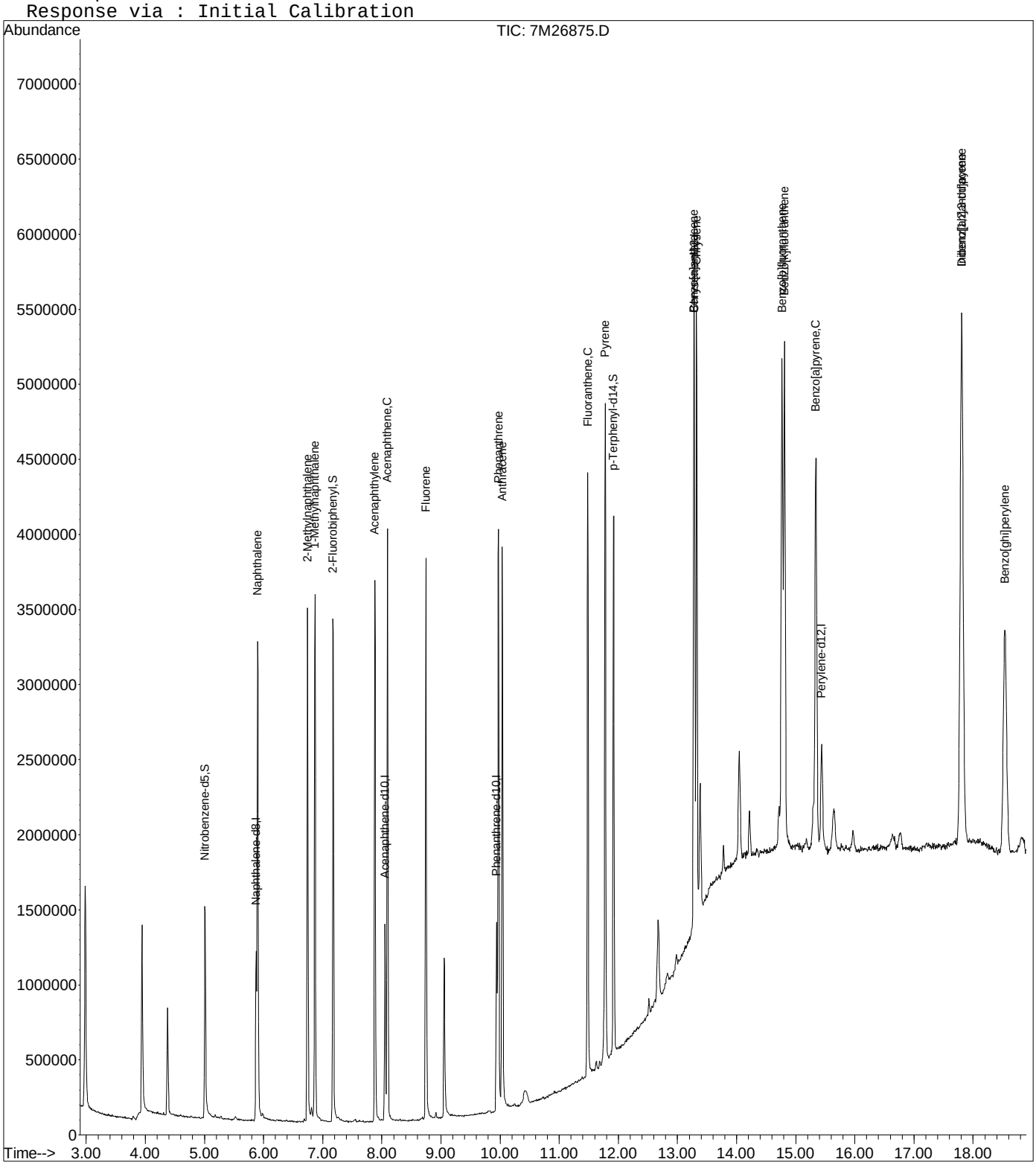
Target Compounds					Qvalue
3) Naphthalene	5.90	128	2088033	2.6145 ug/ml	99
4) 2-Methylnaphthalene	6.74	142	1347447	2.6361 ug/ml	100
5) 1-Methylnaphthalene	6.87	142	1318028	2.6231 ug/ml	97
8) Acenaphthylene	7.88	152	2142527	2.7228 ug/ml	99
9) Acenaphthene	8.09	154	1247681	2.5911 ug/ml	100
10) Fluorene	8.74	166	1484614	2.6356 ug/ml	99
12) Phenanthrene	9.97	178	2068319	2.5660 ug/ml	100
13) Anthracene	10.04	178	2142037	2.7006 ug/ml	100
14) Fluoranthene	11.48	202	2249691	2.6281 ug/ml	98
16) Pyrene	11.78	202	2324613	2.5420 ug/ml	99
18) Benzo[a]anthracene	13.28	228	2186160	2.7268 ug/ml	99
19) Chrysene	13.32	228	2051464	2.6067 ug/ml	99
21) Benzo[b]fluoranthene	14.77	252	2413873	2.7632 ug/ml	96
22) Benzo[k]fluoranthene	14.81	252	2133716	2.4991 ug/ml	97
23) Benzo[a]pyrene	15.35	252	2186351	2.6125 ug/ml	99
24) Indeno[1,2,3-cd]pyrene	17.81	276	2598185	2.6811 ug/ml#	96
25) Dibenz[ah]anthracene	17.81	278	2192189	2.7035 ug/ml	98
26) Benzo[ghi]perylene	18.53	276	2141337	2.6371 ug/ml	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101405\7M26875.D Vial: 2
Acq On : 14 Oct 2005 10:02 Operator: CLK
Sample : WG198646-02 2.5ppm PAHL STD Inst : HPMS7
Misc : 1,1 SOS75-45-2 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 10:42 2005 Quant Results File: PAH1005.RES

Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Fri Oct 14 11:40:14 2005
Response via : Initial Calibration



Continuing Calibration Area and RT check

Instrument: HPMS7
Initial cal date: 5 Oct 2005 9:49
CCV date: 14 Oct 2005 10:02
CCV Filename: 7M26875.D

	Naphthalene-d8		Acenaphthene-d10	
	Amount	RT	Amount	RT
InitCal	828777	5.88	439342	8.05
CCV	713225	5.88	379681	8.05

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Amount	RT	Amount	RT	Amount	RT
InitCal	721131	9.94	699987	13.29	527312	15.43
CCV	622195	9.94	617147	13.29	481006	15.44

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\101405\7M26875.D Vial: 2
Acq On : 14 Oct 2005 10:02 Operator: CLK
Sample : WG198646-02 2.5ppm PAHL STD Inst : HPMS7
Misc : 1,1 SOS75-45-2 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Fri Oct 14 11:40:14 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Naphthalene-d8	1.000	1.000	0.0	86	0.00
2	S	Nitrobenzene-d5	0.391	0.416	-6.4	86	0.00
3		Naphthalene	1.120	1.171	-4.6	87	0.00
4		2-Methylnaphthalene	0.717	0.756	-5.4	87	0.00
5		1-Methylnaphthalene	0.704	0.739	-5.0	87	0.00
6	I	Acenaphthene-d10	1.000	1.000	0.0	86	0.00
7	S	2-Fluorobiphenyl	1.502	1.590	-5.9	88	0.00
8		Acenaphthylene	2.073	2.257	-8.9	88	0.00
9	C	Acenaphthene	1.268	1.314	-3.6	86	0.00
10		Fluorene	1.484	1.564	-5.4	88	0.00
11	I	Phenanthrene-d10	1.000	1.000	0.0	86	0.00
12		Phenanthrene	1.295	1.330	-2.7	86	0.00
13		Anthracene	1.275	1.377	-8.0	87	0.00
14	C	Fluoranthene	1.376	1.446	-5.1	87	0.00
15	I	Chrysene-d12	1.000	1.000	0.0	88	0.00
16		Pyrene	1.482	1.507	-1.7	87	0.00
17	S	p-Terphenyl-d14	1.001	1.032	-3.1	88	0.00
18		Benzo[a]anthracene	1.299	1.417	-9.1	92	0.00
19		Chrysene	1.275	1.330	-4.3	90	0.00
20	I	Perylene-d12	1.000	1.000	0.0	91	0.00
21		Benzo[b]fluoranthene	1.816	2.007	-10.5	97	0.01
22		Benzo[k]fluoranthene	1.775	1.774	0.1	88	0.00
23	C	Benzo[a]pyrene	1.740	1.818	-4.5	92	0.01
24		Indeno[1,2,3-cd]pyrene	2.015	2.161	-7.2	96	0.02
25		Dibenz[ah]anthracene	1.686	1.823	-8.1	97	0.01
26		Benzo[ghi]perylene	1.688	1.781	-5.5	95	0.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7M26875.D PAH1005.M Mon Oct 17 10:42:19 2005 Page 1

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\101405\7M26875.D Vial: 2
Acq On : 14 Oct 2005 10:02 Operator: CLK
Sample : WG198646-02 2.5ppm PAHL STD Inst : HPMS7
Misc : 1,1 SOS75-45-2 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Fri Oct 14 11:40:14 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Naphthalene-d8	1.000	1.000	0.0	86	0.00
2	S	Nitrobenzene-d5	2.500	2.658	-6.3	86	0.00
3		Naphthalene	2.500	2.615	-4.6	87	0.00
4		2-Methylnaphthalene	2.500	2.636	-5.4	87	0.00
5		1-Methylnaphthalene	2.500	2.623	-4.9	87	0.00
6	I	Acenaphthene-d10	1.000	1.000	0.0	86	0.00
7	S	2-Fluorobiphenyl	2.500	2.645	-5.8	88	0.00
8		Acenaphthylene	2.500	2.723	-8.9	88	0.00
9	C	Acenaphthene	2.500	2.591	-3.6	86	0.00
10		Fluorene	2.500	2.636	-5.4	88	0.00
11	I	Phenanthrene-d10	1.000	1.000	0.0	86	0.00
12		Phenanthrene	2.500	2.566	-2.6	86	0.00
13		Anthracene	2.500	2.701	-8.0	87	0.00
14	C	Fluoranthene	2.500	2.628	-5.1	87	0.00
15	I	Chrysene-d12	1.000	1.000	0.0	88	0.00
16		Pyrene	2.500	2.542	-1.7	87	0.00
17	S	p-Terphenyl-d14	2.500	2.576	-3.0	88	0.00
18		Benzo[a]anthracene	2.500	2.727	-9.1	92	0.00
19		Chrysene	2.500	2.607	-4.3	90	0.00
20	I	Perylene-d12	1.000	1.000	0.0	91	0.00
21		Benzo[b]fluoranthene	2.500	2.763	-10.5	97	0.01
22		Benzo[k]fluoranthene	2.500	2.499	0.0	88	0.00
23	C	Benzo[a]pyrene	2.500	2.613	-4.5	92	0.01
24		Indeno[1,2,3-cd]pyrene	2.500	2.681	-7.2	96	0.02
25		Dibenz[ah]anthracene	2.500	2.703	-8.1	97	0.01
26		Benzo[ghi]perylene	2.500	2.637	-5.5	95	0.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7M26875.D PAH1005.M Mon Oct 17 10:42:23 2005 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101805\7M26948.D Vial: 20
Acq On : 19 Oct 2005 1:59 Operator: CLK
Sample : WG198909-02 2.5ppm PAHL STD Inst : HPMS7
Misc : 1,1 SOS75-45-2 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 19 10:30:55 2005 Quant Results File: PAH1018.RES

Quant Method : C:\MSDCHEM\1\METHODS\PAH1018.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/18/05
Last Update : Wed Oct 19 10:15:48 2005
Response via : Initial Calibration
DataAcq Meth : PAHL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Naphthalene-d8	5.84	136	449186	1.00 ug/ml	0.00
6) Acenaphthene-d10	8.02	164	237753	1.00 ug/ml	0.00
11) Phenanthrene-d10	9.91	188	388505	1.00 ug/ml	0.00
15) Chrysene-d12	13.26	240	401715	1.00 ug/ml	0.00
20) Perylene-d12	15.39	264	313937	1.00 ug/ml	0.00

System Monitoring Compounds					
2) Nitrobenzene-d5	4.98	82	453449	2.5986 ug/ml	0.00
Spiked Amount 2.500	Range 35 - 114		Recovery	= 104.00%	
7) 2-Fluorobiphenyl	7.15	172	950284	2.5463 ug/ml	0.00
Spiked Amount 2.500	Range 43 - 116		Recovery	= 102.00%	
17) p-Terphenyl-d14	11.89	244	942696	2.4519 ug/ml	0.00
Spiked Amount 2.500	Range 33 - 141		Recovery	= 98.00%	

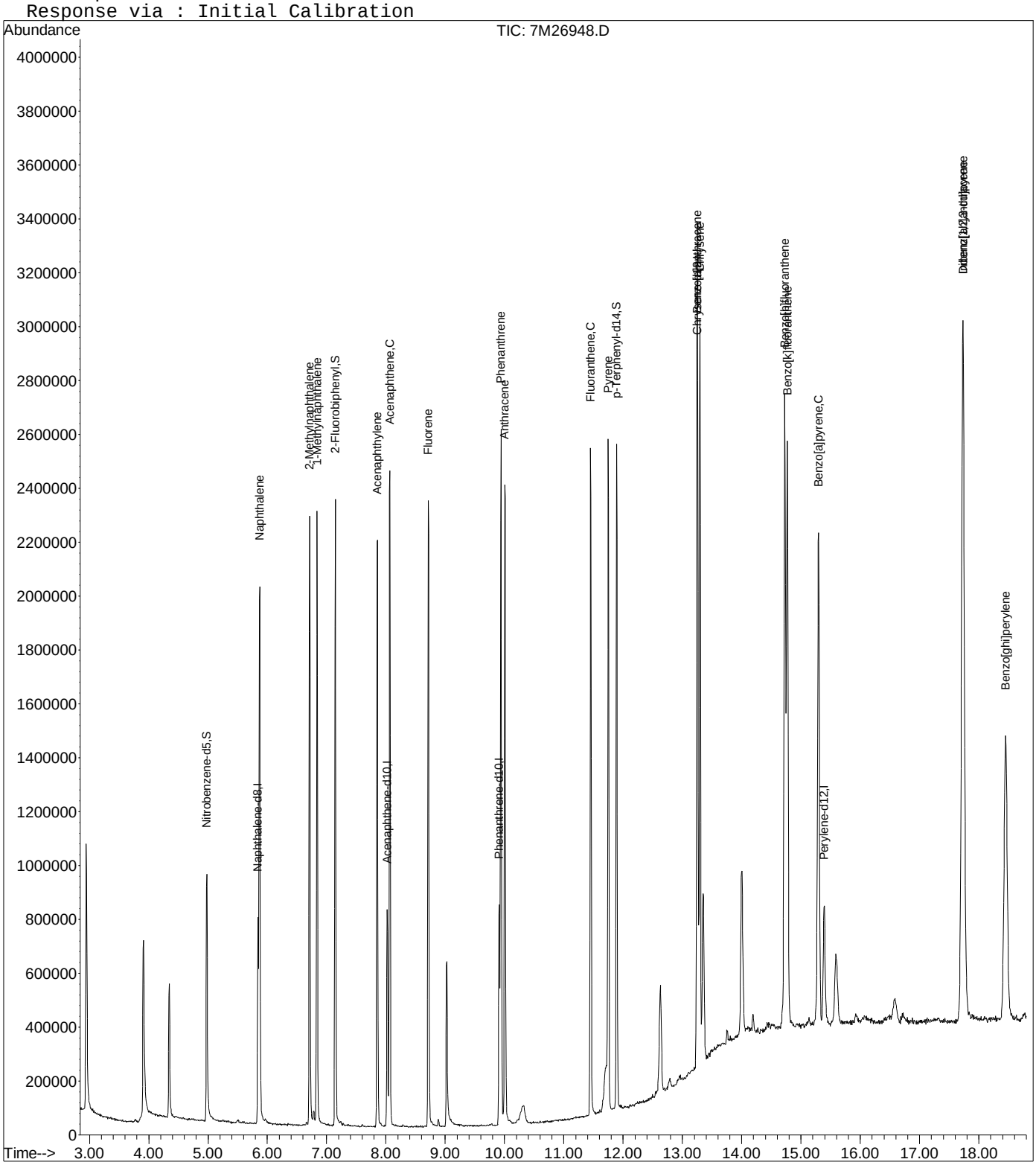
Target Compounds					Qvalue
3) Naphthalene	5.87	128	1288995	2.5277 ug/ml	99
4) 2-Methylnaphthalene	6.71	142	849516	2.6027 ug/ml	100
5) 1-Methylnaphthalene	6.84	142	824210	2.5534 ug/ml	98
8) Acenaphthylene	7.86	152	1301673	2.5907 ug/ml	100
9) Acenaphthene	8.07	154	780233	2.5350 ug/ml	99
10) Fluorene	8.71	166	912273	2.5447 ug/ml	99
12) Phenanthrene	9.94	178	1314802	2.5703 ug/ml	100
13) Anthracene	10.01	178	1331721	2.6367 ug/ml	100
14) Fluoranthene	11.45	202	1387441	2.5774 ug/ml	99
16) Pyrene	11.75	202	1387784	2.4373 ug/ml	99
18) Benzo[a]anthracene	13.25	228	1384787	2.5949 ug/ml	100
19) Chrysene	13.30	228	1293131	2.5397 ug/ml	100
21) Benzo[b]fluoranthene	14.73	252	1547259	2.6251 ug/ml	98
22) Benzo[k]fluoranthene	14.77	252	1438276	2.5326 ug/ml	98
23) Benzo[a]pyrene	15.30	252	1432483	2.5136 ug/ml	100
24) Indeno[1,2,3-cd]pyrene	17.73	276	1771394	2.5373 ug/ml	98
25) Dibenz[ah]anthracene	17.73	278	1482606	2.5293 ug/ml	99
26) Benzo[ghi]perylene	18.45	276	1435955	2.4966 ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101805\7M26948.D Vial: 20
Acq On : 19 Oct 2005 1:59 Operator: CLK
Sample : WG198909-02 2.5ppm PAHL STD Inst : HPMS7
Misc : 1,1 SOS75-45-2 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 19 10:30 2005 Quant Results File: PAH1018.RES

Method : C:\MSDCHEM\1\METHODS\PAH1018.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/18/05
Last Update : Wed Oct 19 10:15:48 2005
Response via : Initial Calibration



Continuing Calibration Area and RT check

Instrument: HPMS7
Initial cal date: 18 Oct 2005 18:38
CCV date: 19 Oct 2005 1:59
CCV Filename: 7M26948.D

	Naphthalene-d8		Acenaphthene-d10	
	Amount	RT	Amount	RT
InitCal	498716	5.84	257350	8.03
CCV	449186	5.84	237753	8.02

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Amount	RT	Amount	RT	Amount	RT
InitCal	421355	9.91	441296	13.27	341517	15.39
CCV	388505	9.91	401715	13.26	313937	15.39

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\101805\7M26948.D Vial: 20
Acq On : 19 Oct 2005 1:59 Operator: CLK
Sample : WG198909-02 2.5ppm PAHL STD Inst : HPMS7
Misc : 1,1 SOS75-45-2 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\PAH1018.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/18/05
Last Update : Wed Oct 19 10:15:48 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Naphthalene-d8	1.000	1.000	0.0	90	0.00
2	S	Nitrobenzene-d5	0.388	0.404	-4.1	90	0.00
3		Naphthalene	1.135	1.148	-1.1	90	0.00
4		2-Methylnaphthalene	0.727	0.756	-4.0	91	0.00
5		1-Methylnaphthalene	0.719	0.734	-2.1	92	0.00
6	I	Acenaphthene-d10	1.000	1.000	0.0	92	0.00
7	S	2-Fluorobiphenyl	1.570	1.599	-1.8	92	0.00
8		Acenaphthylene	2.113	2.190	-3.6	92	0.00
9	C	Acenaphthene	1.295	1.313	-1.4	93	0.00
10		Fluorene	1.508	1.535	-1.8	92	0.00
11	I	Phenanthrene-d10	1.000	1.000	0.0	92	0.00
12		Phenanthrene	1.317	1.354	-2.8	93	0.00
13		Anthracene	1.300	1.371	-5.5	94	0.00
14	C	Fluoranthene	1.386	1.428	-3.0	92	0.00
15	I	Chrysene-d12	1.000	1.000	0.0	91	0.00
16		Pyrene	1.417	1.382	2.5	89	0.00
17	S	p-Terphenyl-d14	0.957	0.939	1.9	89	0.00
18		Benzo[a]anthracene	1.328	1.379	-3.8	93	0.00
19		Chrysene	1.268	1.288	-1.6	91	0.00
20	I	Perylene-d12	1.000	1.000	0.0	92	0.00
21		Benzo[b]fluoranthene	1.877	1.971	-5.0	92	0.00
22		Benzo[k]fluoranthene	1.809	1.833	-1.3	93	0.00
23	C	Benzo[a]pyrene	1.815	1.825	-0.6	91	0.00
24		Indeno[1,2,3-cd]pyrene	2.224	2.257	-1.5	93	-0.01
25		Dibenz[ah]anthracene	1.867	1.889	-1.2	93	0.00
26		Benzo[ghi]perylene	1.832	1.830	0.1	92	-0.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7M26948.D PAH1018.M Wed Oct 19 10:31:02 2005 Page 1

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\101805\7M26948.D Vial: 20
Acq On : 19 Oct 2005 1:59 Operator: CLK
Sample : WG198909-02 2.5ppm PAHL STD Inst : HPMS7
Misc : 1,1 SOS75-45-2 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\PAH1018.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/18/05
Last Update : Wed Oct 19 10:15:48 2005
Response via : Multiple Level Calibration

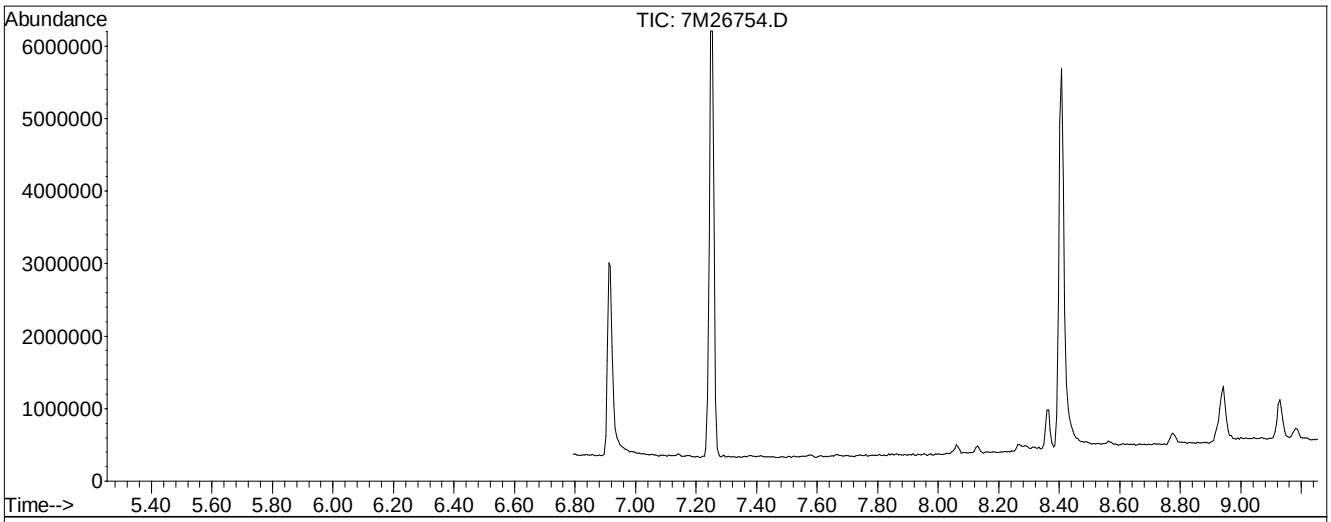
Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

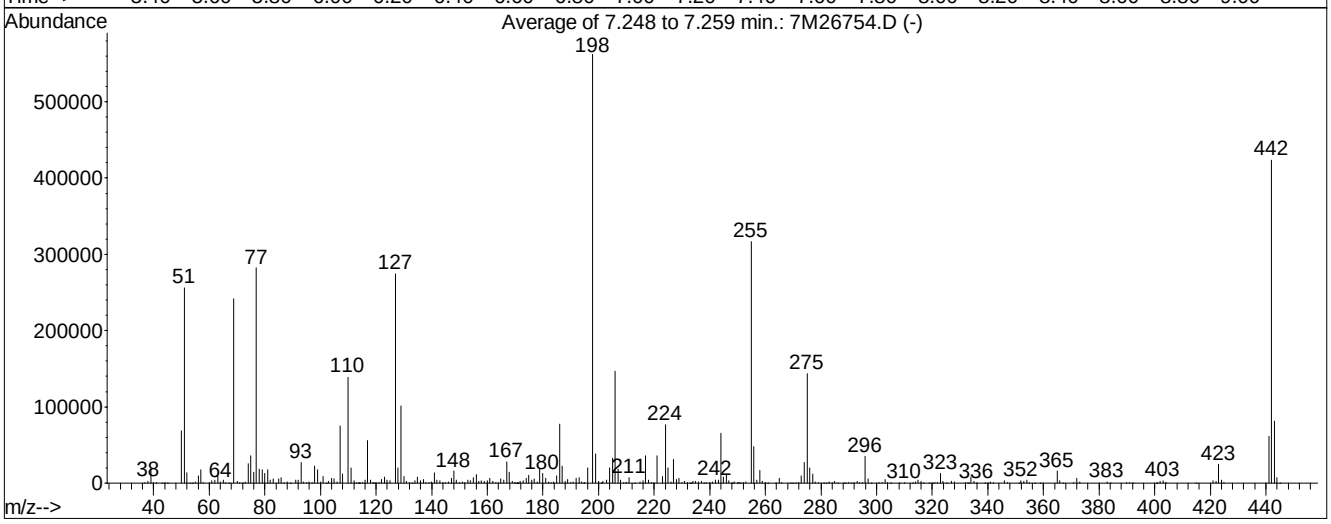
		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Naphthalene-d8	1.000	1.000	0.0	90	0.00
2	S	Nitrobenzene-d5	2.500	2.599	-4.0	90	0.00
3		Naphthalene	2.500	2.528	-1.1	90	0.00
4		2-Methylnaphthalene	2.500	2.603	-4.1	91	0.00
5		1-Methylnaphthalene	2.500	2.553	-2.1	92	0.00
6	I	Acenaphthene-d10	1.000	1.000	0.0	92	0.00
7	S	2-Fluorobiphenyl	2.500	2.546	-1.8	92	0.00
8		Acenaphthylene	2.500	2.591	-3.6	92	0.00
9	C	Acenaphthene	2.500	2.535	-1.4	93	0.00
10		Fluorene	2.500	2.545	-1.8	92	0.00
11	I	Phenanthrene-d10	1.000	1.000	0.0	92	0.00
12		Phenanthrene	2.500	2.570	-2.8	93	0.00
13		Anthracene	2.500	2.637	-5.5	94	0.00
14	C	Fluoranthene	2.500	2.577	-3.1	92	0.00
15	I	Chrysene-d12	1.000	1.000	0.0	91	0.00
16		Pyrene	2.500	2.437	2.5	89	0.00
17	S	p-Terphenyl-d14	2.500	2.452	1.9	89	0.00
18		Benzo[a]anthracene	2.500	2.595	-3.8	93	0.00
19		Chrysene	2.500	2.540	-1.6	91	0.00
20	I	Perylene-d12	1.000	1.000	0.0	92	0.00
21		Benzo[b]fluoranthene	2.500	2.625	-5.0	92	0.00
22		Benzo[k]fluoranthene	2.500	2.533	-1.3	93	0.00
23	C	Benzo[a]pyrene	2.500	2.514	-0.6	91	0.00
24		Indeno[1,2,3-cd]pyrene	2.500	2.537	-1.5	93	-0.01
25		Dibenz[ah]anthracene	2.500	2.529	-1.2	93	0.00
26		Benzo[ghi]perylene	2.500	2.497	0.1	92	-0.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7M26948.D PAH1018.M Wed Oct 19 10:30:57 2005 Page 1

2.2.2.4 Raw QC Data

Data File : C:\MSDCHEM\1\DATA\100505\7M26754.D Vial: 2
Acq On : 5 Oct 2005 9:32 Operator: CLK
Sample : WG197981-01 5ppm DFTPP Inst : HPMS7
Misc : 1,1 SOS76-15 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\METHODS\PAHDFTPP.M (RTE Integrator)
Title : DFTPP



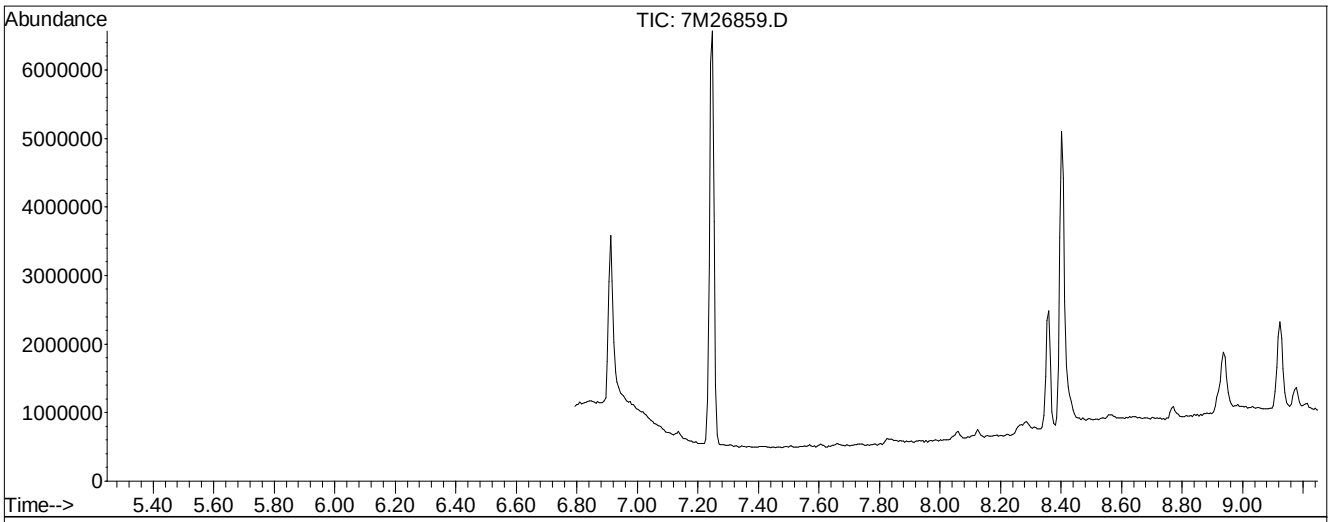


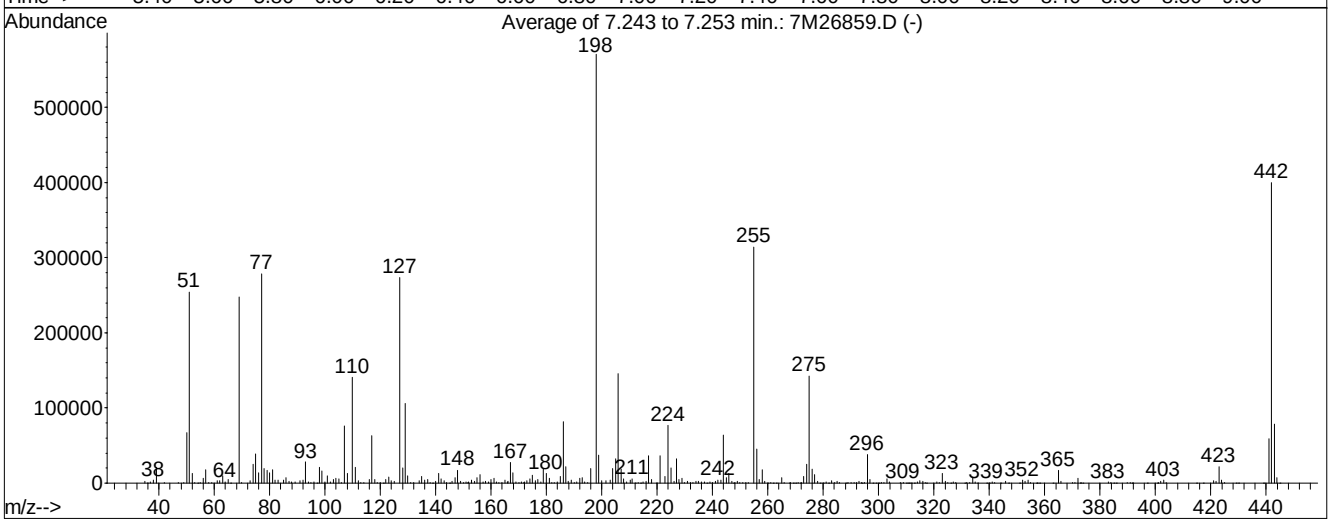
AutoFind: Scans 86, 87, 88; Background Corrected with Scan 79

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	45.6	256376	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	43.0	241736	PASS
70	69	0.00	2	0.9	2073	PASS
127	198	40	60	48.9	274602	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	562069	PASS
199	198	5	9	6.8	38410	PASS
275	198	10	30	25.5	143421	PASS
365	198	1	100	2.8	15917	PASS
441	443	0.01	100	75.1	61080	PASS
442	198	40	100	75.4	423872	PASS
443	442	17	23	19.2	81352	PASS

7M26754.D PAHDFTPP.M Wed Oct 05 17:07:48 2005

Data File : C:\MSDCHEM\1\DATA\101305\7M26859.D Vial: 1
Acq On : 13 Oct 2005 12:00 Operator: CLK
Sample : WG198581-01 5ppm DFTPP Inst : HPMS7
Misc : 1,1 SOS76-15 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\METHODS\PAHDFTPP.M (RTE Integrator)
Title : DFTPP



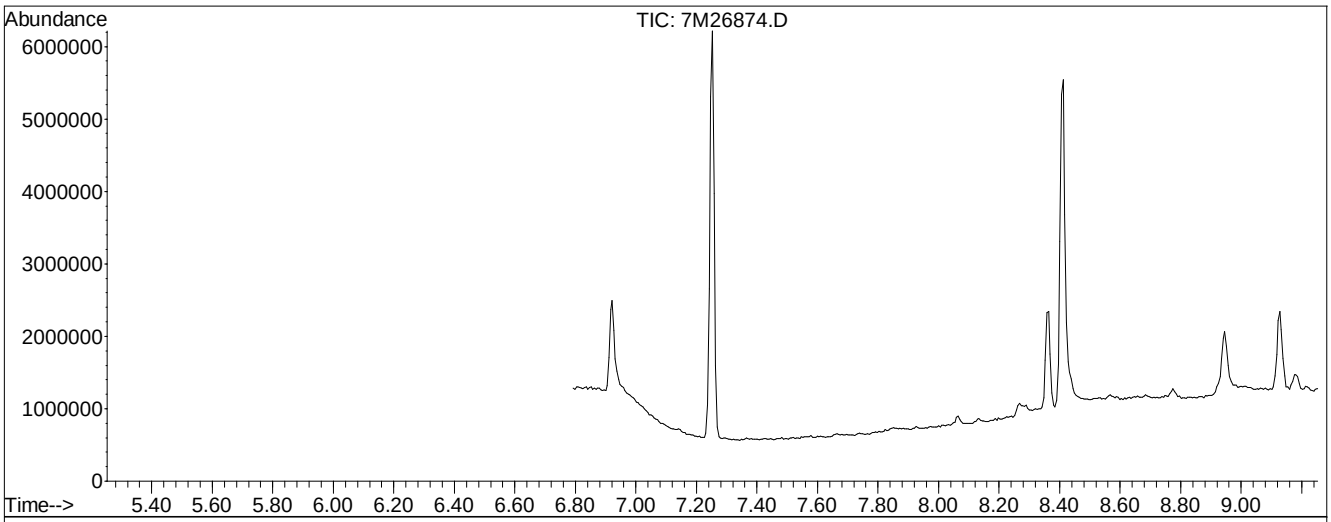


AutoFind: Scans 85, 86, 87; Background Corrected with Scan 79

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	44.6	254541	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	43.5	248064	PASS
70	69	0.00	2	0.3	715	PASS
127	198	40	60	48.0	273581	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	570455	PASS
199	198	5	9	6.6	37451	PASS
275	198	10	30	25.0	142827	PASS
365	198	1	100	3.0	17020	PASS
441	443	0.01	100	75.3	58989	PASS
442	198	40	100	70.1	400170	PASS
443	442	17	23	19.6	78357	PASS

7M26859.D PAHDFTPP.M Fri Oct 14 09:33:34 2005

Data File : C:\MSDCHEM\1\DATA\101405\7M26874.D Vial: 1
Acq On : 14 Oct 2005 9:45 Operator: CLK
Sample : WG198646-01 5ppm DFTPP Inst : HPMS7
Misc : 1,1 SOS76-15 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\METHODS\PAHDFTPP.M (RTE Integrator)
Title : DFTPP



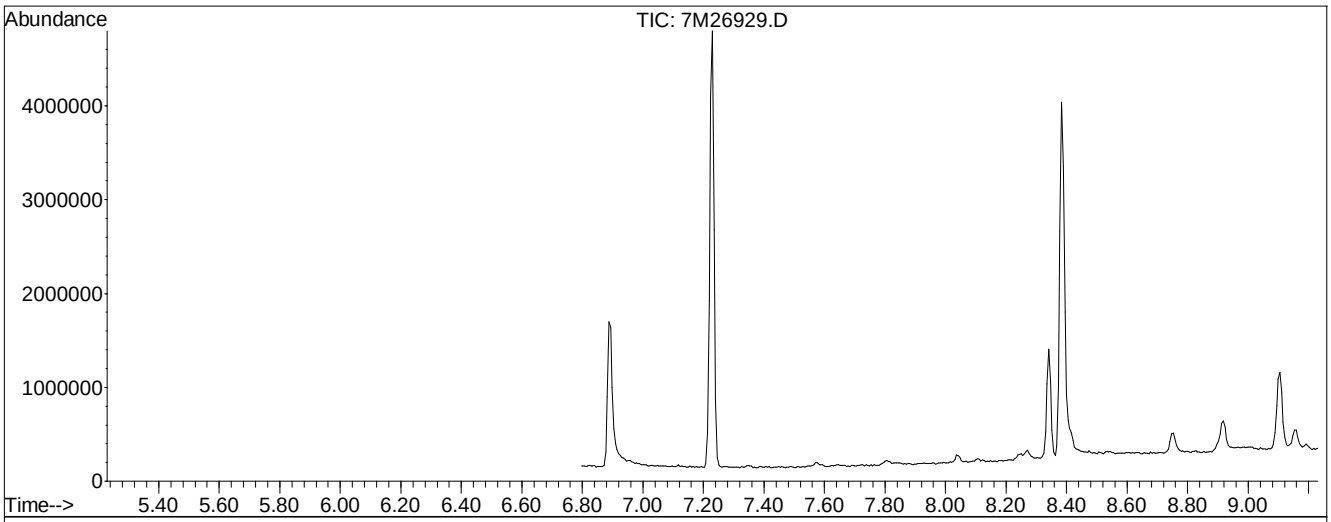
AutoFind: Scans 86, 87, 88; Background Corrected with Scan 80

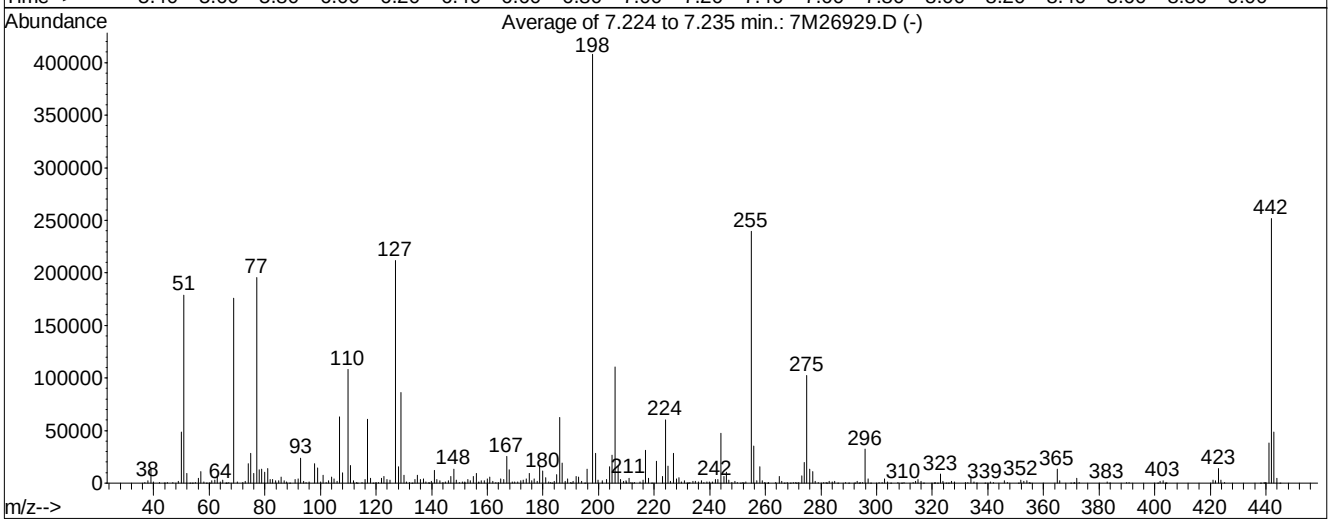
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	44.8	234646	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	43.4	227206	PASS
70	69	0.00	2	0.2	558	PASS
127	198	40	60	49.0	256455	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	523899	PASS
199	198	5	9	6.7	35310	PASS
275	198	10	30	23.9	125405	PASS
365	198	1	100	3.0	15659	PASS
441	443	0.01	100	76.9	50656	PASS
442	198	40	100	67.4	353301	PASS
443	442	17	23	18.7	65914	PASS

7M26874.D PAHDFTPP.M Mon Oct 17 10:41:42 2005

DFTPP

Data File : C:\MSDCHEM\1\DATA\101805\7M26929.D Vial: 1
Acq On : 18 Oct 2005 17:33 Operator: CLK
Sample : WG198895-01 5ppm DFTPP Inst : HPMS7
Misc : 1,1 SOS76-15 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\METHODS\PAHDFTPP.M (RTE Integrator)
Title : DFTPP





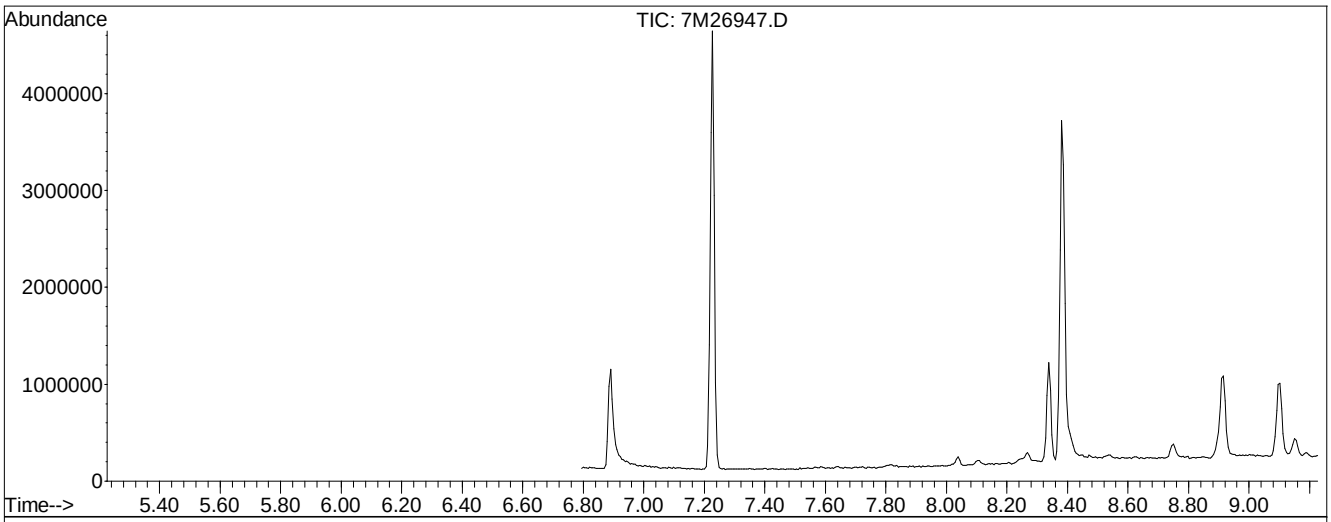
AutoFind: Scans 81, 82, 83; Background Corrected with Scan 75

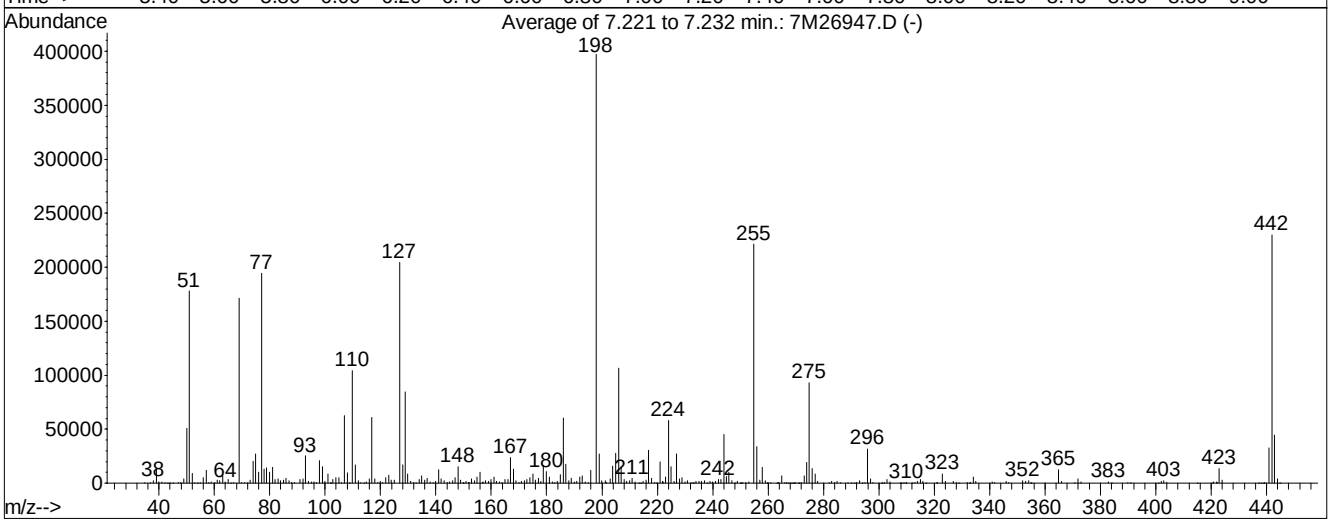
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	43.9	179079	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	43.2	176119	PASS
70	69	0.00	2	0.7	1160	PASS
127	198	40	60	52.0	212032	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	407765	PASS
199	198	5	9	6.9	28274	PASS
275	198	10	30	25.2	102685	PASS
365	198	1	100	3.2	13147	PASS
441	443	0.01	100	78.0	38029	PASS
442	198	40	100	61.7	251669	PASS
443	442	17	23	19.4	48754	PASS

7M26929.D PAHDFTPP.M Wed Oct 19 09:54:40 2005

DFTPP

Data File : C:\MSDCHEM\1\DATA\101805\7M26947.D Vial: 19
Acq On : 19 Oct 2005 1:43 Operator: CLK
Sample : WG198909-01 5ppm DFTPP Inst : HPMS7
Misc : 1,1 SOS76-15 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\METHODS\PAHDFTPP.M (RTE Integrator)
Title : DFTPP





AutoFind: Scans 81, 82, 83; Background Corrected with Scan 75

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	44.8	178009	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	43.2	171550	PASS
70	69	0.00	2	0.2	354	PASS
127	198	40	60	51.5	204330	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	397034	PASS
199	198	5	9	6.9	27210	PASS
275	198	10	30	23.4	92984	PASS
365	198	1	100	3.1	12278	PASS
441	443	0.01	100	73.7	32728	PASS
442	198	40	100	57.9	230058	PASS
443	442	17	23	19.3	44421	PASS

7M26947.D PAHDFTPP.M Wed Oct 19 10:30:32 2005

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101305\7M26868.D Vial: 10
Acq On : 13 Oct 2005 16:43 Operator: CLK
Sample : WG198583-01 BLK 10/13 EP250P93 Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 09:35:00 2005 Quant Results File: PAH1005.RES

Quant Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Fri Oct 14 09:34:09 2005
Response via : Initial Calibration
DataAcq Meth : PAHL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Naphthalene-d8	5.88	136	701867	1.00 ug/ml	0.00
6) Acenaphthene-d10	8.06	164	365476	1.00 ug/ml	0.00
11) Phenanthrene-d10	9.94	188	592620	1.00 ug/ml	0.00
15) Chrysene-d12	13.30	240	632933	1.00 ug/ml	0.00
20) Perylene-d12	15.45	264	458081	1.00 ug/ml	0.01

System Monitoring Compounds					
2) Nitrobenzene-d5	5.01	82	540489	1.9694 ug/ml	0.00
Spiked Amount 2.500	Range 23 - 120		Recovery	= 78.80%	
7) 2-Fluorobiphenyl	7.17	172	976636	1.7788 ug/ml	0.00
Spiked Amount 2.500	Range 30 - 115		Recovery	= 71.20%	
17) p-Terphenyl-d14	11.92	244	1350314	2.1304 ug/ml	0.00
Spiked Amount 2.500	Range 18 - 137		Recovery	= 85.20%	

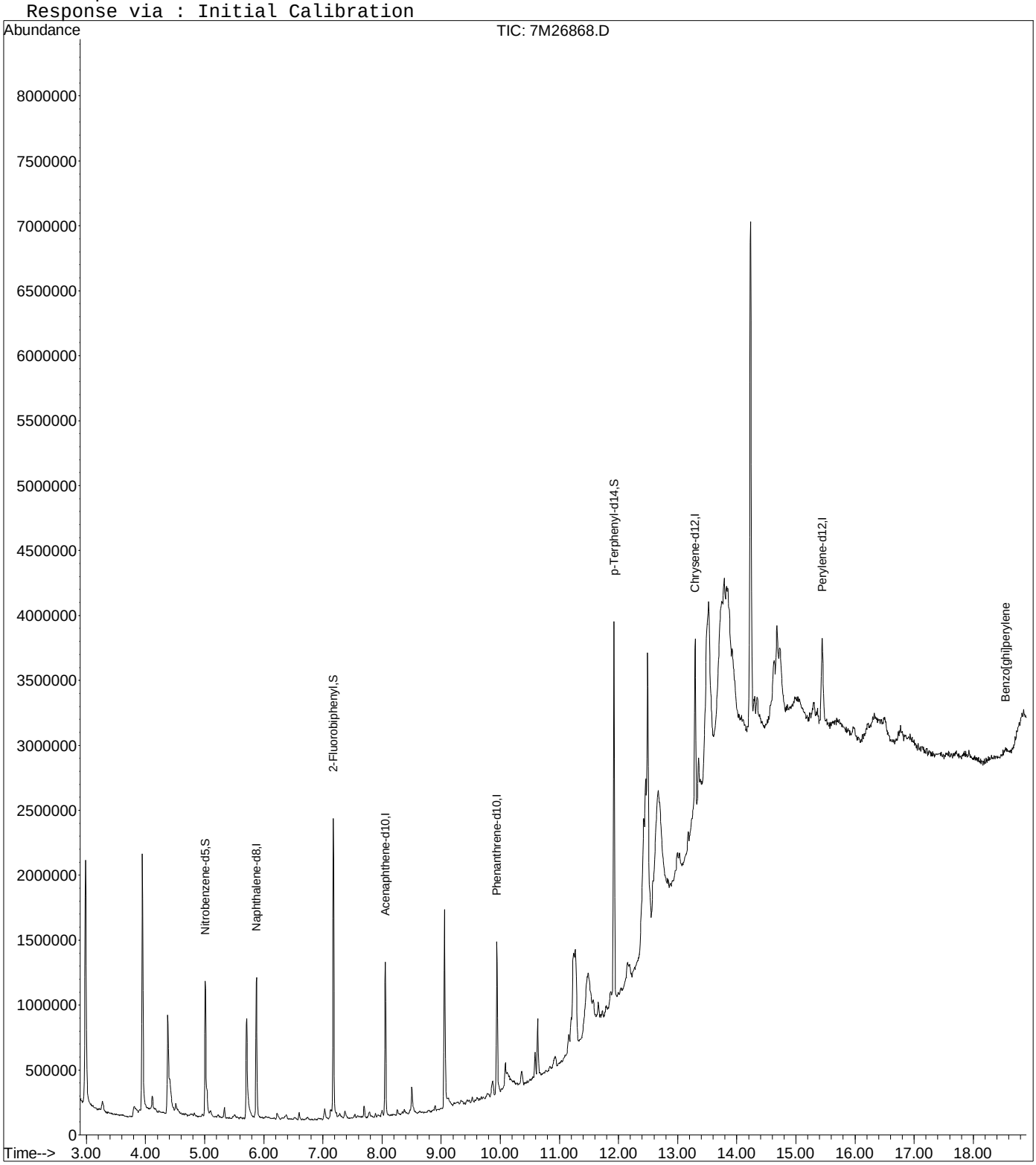
Target Compounds					Qvalue
26) Benzo[ghi]perylene	18.55	276	60471	0.0782 ug/ml	91

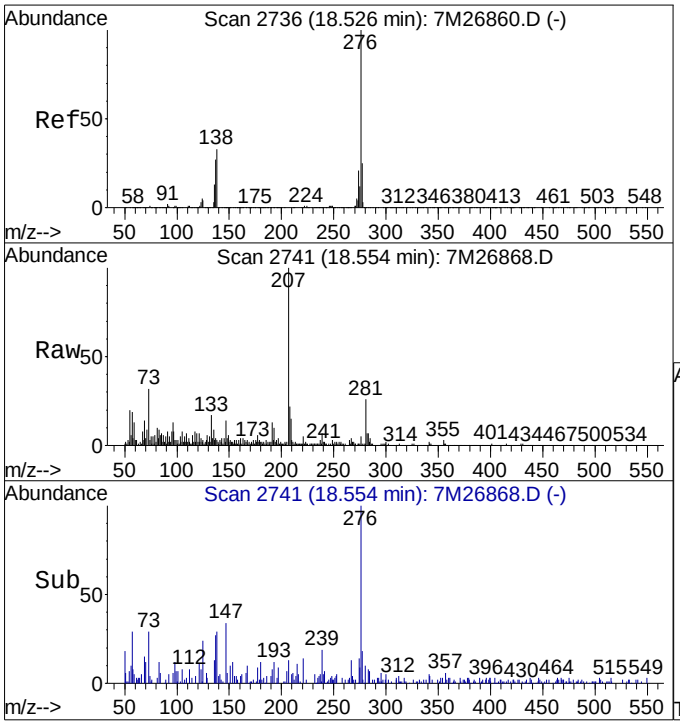
(#) = qualifier out of range (m) = manual integration
7M26868.D PAH1005.M Fri Oct 14 09:35:01 2005 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101305\7M26868.D Vial: 10
Acq On : 13 Oct 2005 16:43 Operator: CLK
Sample : WG198583-01 BLK 10/13 EP250P93 Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 9:35 2005 Quant Results File: PAH1005.RES

Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Fri Oct 14 09:34:09 2005
Response via : Initial Calibration

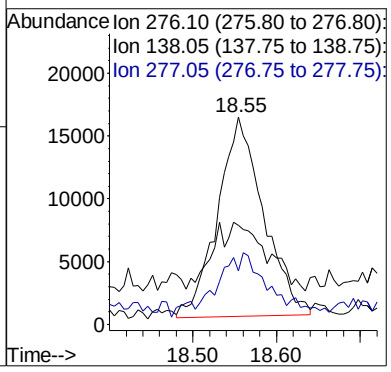




#26
Benzo[ghi]perylene
Concen: 0.08 ug/ml
RT: 18.55 min Scan# 2741
Delta R.T. 0.04 min
Lab File: 7M26868.D
Acq: 13 Oct 2005 16:43

Tgt Ion:276 Resp: 60471

Ion	Ratio	Lower	Upper
276	100		
138	26.4	20.9	48.9
277	24.8	14.5	33.7



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101805\7M26944.D Vial: 16
Acq On : 19 Oct 2005 00:26 Operator: CLK
Sample : WG198681-01 BLK 10/14 EP0250P105 Remix Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 19 10:16:12 2005 Quant Results File: PAH1018.RES

Quant Method : C:\MSDCHEM\1\METHODS\PAH1018.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/18/05
Last Update : Wed Oct 19 10:15:48 2005
Response via : Initial Calibration
DataAcq Meth : PAHL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Naphthalene-d8	5.84	136	443978	1.00 ug/ml	0.00
6) Acenaphthene-d10	8.02	164	233141	1.00 ug/ml	0.00
11) Phenanthrene-d10	9.91	188	364579	1.00 ug/ml	0.00
15) Chrysene-d12	13.26	240	381110	1.00 ug/ml	0.00
20) Perylene-d12	15.39	264	302000	1.00 ug/ml	0.00

System Monitoring Compounds					
2) Nitrobenzene-d5	4.98	82	306634	1.7778 ug/ml	0.00
Spiked Amount 2.500	Range 23 - 120		Recovery	= 71.20%	
7) 2-Fluorobiphenyl	7.15	172	594946	1.6257 ug/ml	0.00
Spiked Amount 2.500	Range 30 - 115		Recovery	= 65.20%	
17) p-Terphenyl-d14	11.89	244	861793	2.3626 ug/ml	0.00
Spiked Amount 2.500	Range 18 - 137		Recovery	= 94.40%	

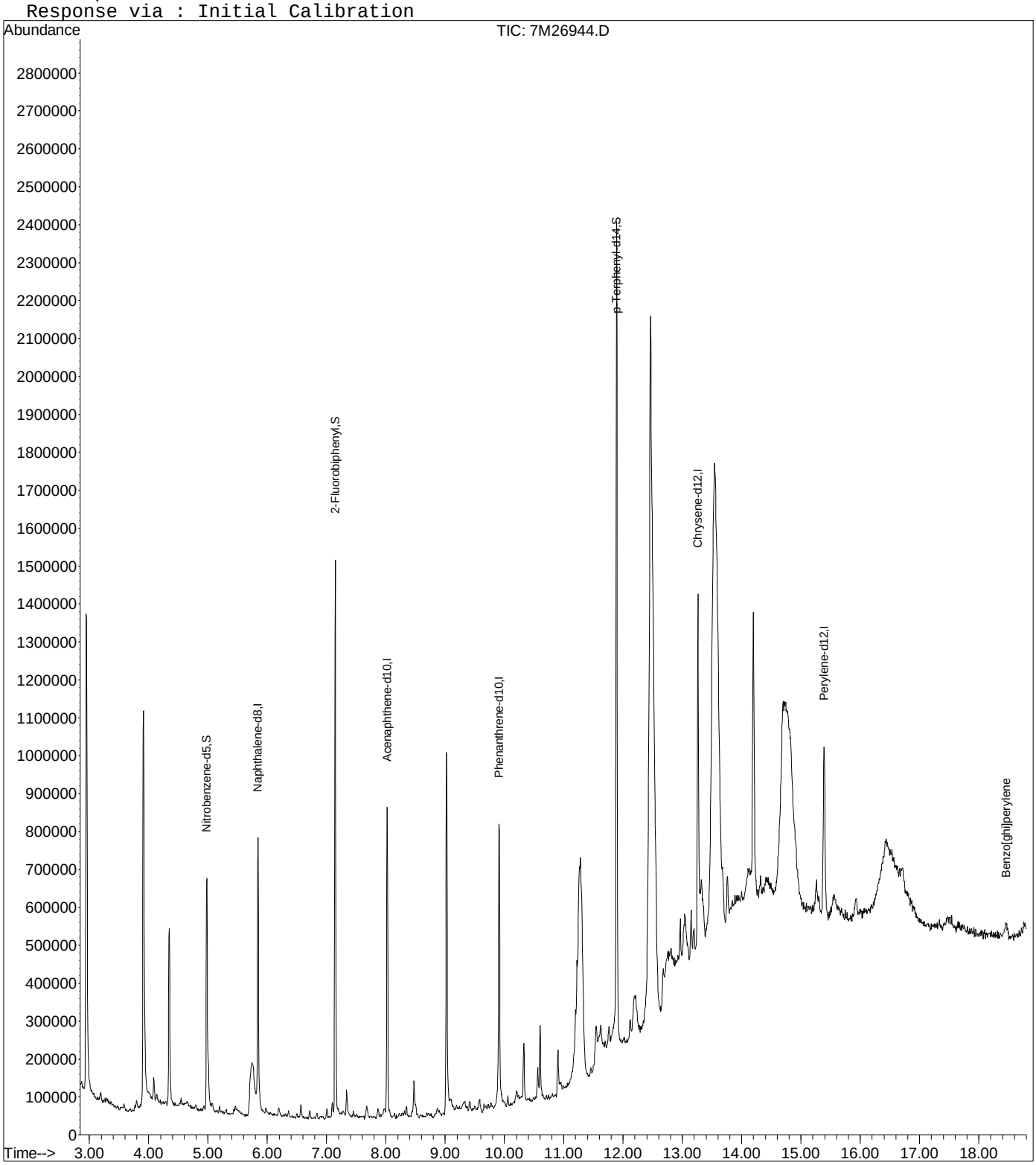
Target Compounds					Qvalue
26) Benzo[ghi]perylene	18.46	276	49662	0.0898 ug/ml#	70

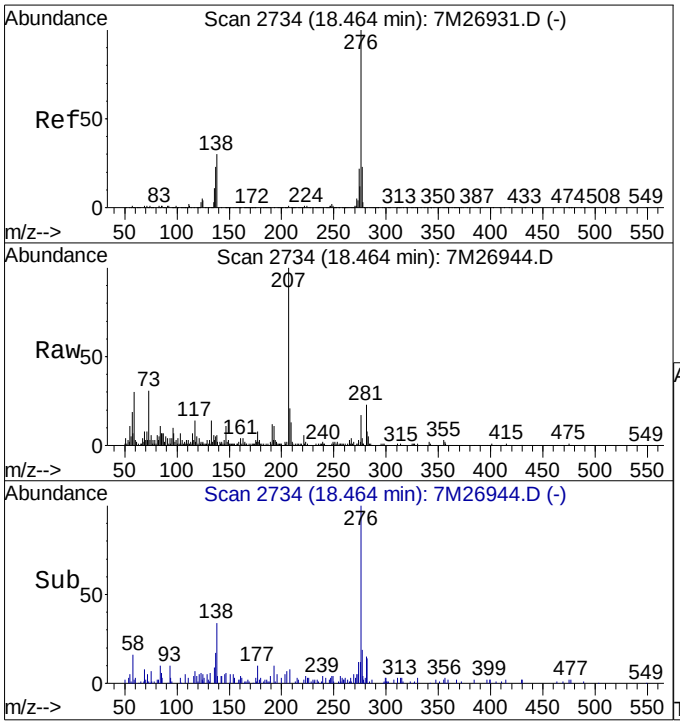
(#) = qualifier out of range (m) = manual integration
7M26944.D PAH1018.M Wed Oct 19 10:16:13 2005 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101805\7M26944.D Vial: 16
Acq On : 19 Oct 2005 00:26 Operator: CLK
Sample : WG198681-01 BLK 10/14 EP0250P105 Remix Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 19 10:16 2005 Quant Results File: PAH1018.RES

Method : C:\MSDCHEM\1\METHODS\PAH1018.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/18/05
Last Update : Wed Oct 19 10:15:48 2005
Response via : Initial Calibration

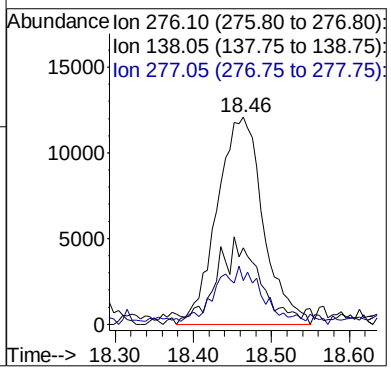




#26
Benzo[ghi]perylene
Concen: 0.09 ug/ml
RT: 18.46 min Scan# 2734
Delta R.T. -0.00 min
Lab File: 7M26944.D
Acq: 19 Oct 2005 00:26

Tgt Ion:276 Resp: 49662

Ion	Ratio	Lower	Upper
276	100		
138	20.9	17.8	41.4
277	0.0	13.8	32.2#



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101305\7M26869.D Vial: 11
Acq On : 13 Oct 2005 17:09 Operator: CLK
Sample : WG198583-02 LCS 10/13 EP250P93 Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 09:35:10 2005 Quant Results File: PAH1005.RES

Quant Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Fri Oct 14 09:34:09 2005
Response via : Initial Calibration
DataAcq Meth : PAHL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Naphthalene-d8	5.88	136	705292	1.00 ug/ml	0.00
6) Acenaphthene-d10	8.05	164	370224	1.00 ug/ml	0.00
11) Phenanthrene-d10	9.94	188	787766	1.00 ug/ml	0.00
15) Chrysene-d12	13.30	240	4243659	1.00 ug/ml	0.00
20) Perylene-d12	15.44	264	3358282	1.00 ug/ml	0.01

System Monitoring Compounds					
2) Nitrobenzene-d5	5.01	82	320593	1.1625 ug/ml	0.00
Spiked Amount 2.500	Range 23 - 120		Recovery = 46.40%		
7) 2-Fluorobiphenyl	7.18	172	682791	1.2276 ug/ml	0.00
Spiked Amount 2.500	Range 30 - 115		Recovery = 49.20%		
17) p-Terphenyl-d14	11.92	244	903305	0.2126 ug/ml	0.00
Spiked Amount 2.500	Range 18 - 137		Recovery = 8.40%#		

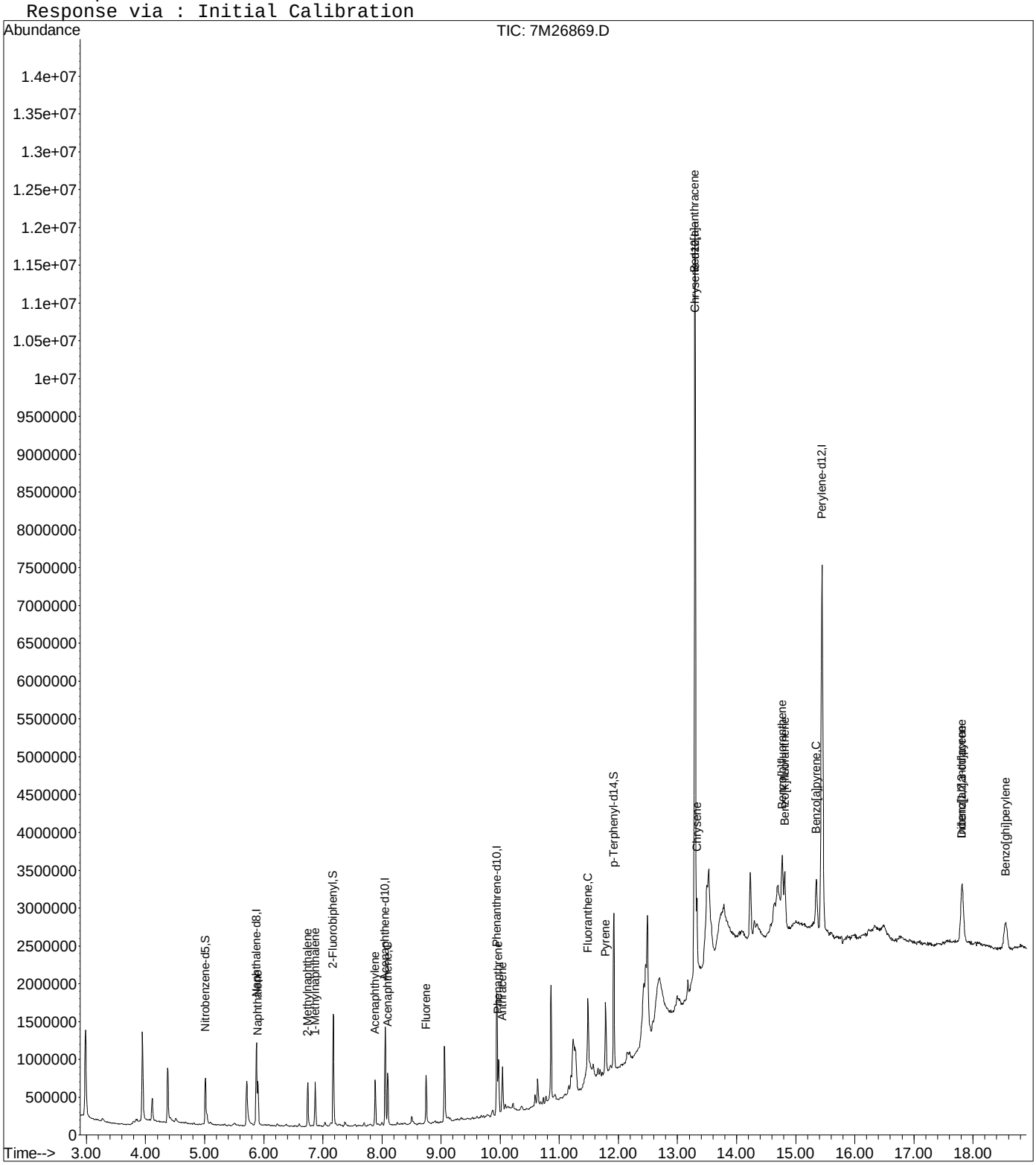
Target Compounds					Qvalue
3) Naphthalene	5.90	128	360037	0.4559 ug/ml	99
4) 2-Methylnaphthalene	6.75	142	229030	0.4531 ug/ml	99
5) 1-Methylnaphthalene	6.87	142	221386	0.4456 ug/ml	96
8) Acenaphthylene	7.88	152	362627	0.4726 ug/ml	99
9) Acenaphthene	8.09	154	215193	0.4583 ug/ml	99
10) Fluorene	8.75	166	257282	0.4684 ug/ml	99
12) Phenanthrene	9.98	178	382130	0.3744 ug/ml	99
13) Anthracene	10.04	178	374773	0.3732 ug/ml	99
14) Fluoranthene	11.48	202	511816	0.4722 ug/ml	97
16) Pyrene	11.78	202	534771	0.0850 ug/ml	99
18) Benzo[a]anthracene	13.28	228	511627	0.0928 ug/ml	99
19) Chrysene	13.33	228	487788	0.0901 ug/ml	98
21) Benzo[b]fluoranthene	14.77	252	543999	0.0892 ug/ml	99
22) Benzo[k]fluoranthene	14.82	252	516361	0.0866 ug/ml	98
23) Benzo[a]pyrene	15.35	252	514310	0.0880 ug/ml	98
24) Indeno[1,2,3-cd]pyrene	17.82	276	594140	0.0878 ug/ml	96
25) Dibenz[ah]anthracene	17.82	278	484666	0.0856 ug/ml	98
26) Benzo[ghi]perylene	18.55	276	521279	0.0919 ug/ml	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101305\7M26869.D Vial: 11
Acq On : 13 Oct 2005 17:09 Operator: CLK
Sample : WG198583-02 LCS 10/13 EP250P93 Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 9:35 2005 Quant Results File: PAH1005.RES

Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Fri Oct 14 09:34:09 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101805\7M26945.D Vial: 17
Acq On : 19 Oct 2005 00:52 Operator: CLK
Sample : WG198681-02 LCS 10/14 EP0250P105 Remix Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 19 10:17:26 2005 Quant Results File: PAH1018.RES

Quant Method : C:\MSDCHEM\1\METHODS\PAH1018.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/18/05
Last Update : Wed Oct 19 10:15:48 2005
Response via : Initial Calibration
DataAcq Meth : PAHL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Naphthalene-d8	5.84	136	443649	1.00 ug/ml	0.00
6) Acenaphthene-d10	8.02	164	235493	1.00 ug/ml	0.00
11) Phenanthrene-d10	9.91	188	376197	1.00 ug/ml	0.00
15) Chrysene-d12	13.26	240	389722	1.00 ug/ml	0.00
20) Perylene-d12	15.39	264	311067	1.00 ug/ml	0.00

System Monitoring Compounds					
2) Nitrobenzene-d5	4.98	82	284953	1.6533 ug/ml	0.00
Spiked Amount 2.500	Range 23 - 120		Recovery = 66.00%		
7) 2-Fluorobiphenyl	7.14	172	564289	1.5265 ug/ml	0.00
Spiked Amount 2.500	Range 30 - 115		Recovery = 61.20%		
17) p-Terphenyl-d14	11.89	244	837833	2.2462 ug/ml	0.00
Spiked Amount 2.500	Range 18 - 137		Recovery = 90.00%		

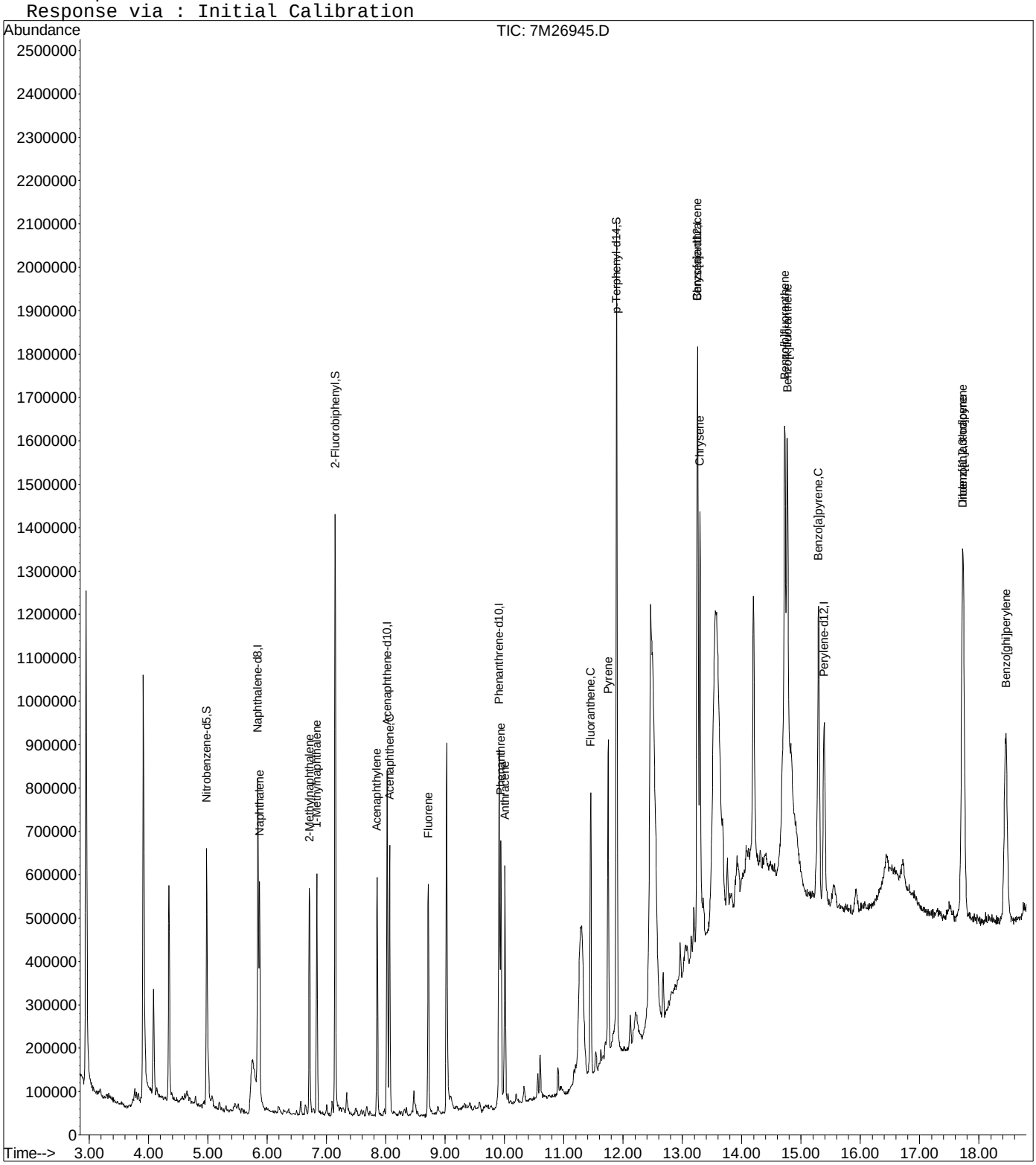
Target Compounds					Qvalue
3) Naphthalene	5.87	128	311015	0.6175 ug/ml	100
4) 2-Methylnaphthalene	6.71	142	206371	0.6402 ug/ml	100
5) 1-Methylnaphthalene	6.84	142	200740	0.6297 ug/ml	99
8) Acenaphthylene	7.85	152	308919	0.6207 ug/ml	99
9) Acenaphthene	8.06	154	186236	0.6109 ug/ml	100
10) Fluorene	8.72	166	218574	0.6155 ug/ml	99
12) Phenanthrene	9.94	178	321013	0.6481 ug/ml	100
13) Anthracene	10.01	178	310100	0.6341 ug/ml	99
14) Fluoranthene	11.45	202	411729	0.7899 ug/ml	99
16) Pyrene	11.75	202	450847	0.8162 ug/ml	99
18) Benzo[a]anthracene	13.25	228	499351	0.9645 ug/ml	99
19) Chrysene	13.29	228	450750	0.9125 ug/ml	99
21) Benzo[b]fluoranthene	14.72	252	566937	0.9708 ug/ml	99
22) Benzo[k]fluoranthene	14.77	252	536971	0.9542 ug/ml	99
23) Benzo[a]pyrene	15.29	252	523275	0.9267 ug/ml	100
24) Indeno[1,2,3-cd]pyrene	17.72	276	652617	0.9434 ug/ml	97
25) Dibenz[ah]anthracene	17.74	278	536090	0.9230 ug/ml	99
26) Benzo[ghi]perylene	18.46	276	569395	0.9991 ug/ml	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101805\7M26945.D Vial: 17
Acq On : 19 Oct 2005 00:52 Operator: CLK
Sample : WG198681-02 LCS 10/14 EP0250P105 Remix Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 19 10:17 2005 Quant Results File: PAH1018.RES

Method : C:\MSDCHEM\1\METHODS\PAH1018.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/18/05
Last Update : Wed Oct 19 10:15:48 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101305\7M26870.D Vial: 12
Acq On : 13 Oct 2005 17:35 Operator: CLK
Sample : WG198583-03 LCS DUP 10/13 EP250P93 Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 09:35:11 2005 Quant Results File: PAH1005.RES

Quant Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Fri Oct 14 09:34:09 2005
Response via : Initial Calibration
DataAcq Meth : PAHL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Naphthalene-d8	5.87	136	682200	1.00 ug/ml	0.00
6) Acenaphthene-d10	8.05	164	354537	1.00 ug/ml	0.00
11) Phenanthrene-d10	9.94	188	571772	1.00 ug/ml	0.00
15) Chrysene-d12	13.30	240	584291	1.00 ug/ml	0.00
20) Perylene-d12	15.44	264	456798	1.00 ug/ml	0.01

System Monitoring Compounds					
2) Nitrobenzene-d5	5.01	82	480486	1.8012 ug/ml	0.00
Spiked Amount 2.500	Range 23 - 120		Recovery	= 72.00%	
7) 2-Fluorobiphenyl	7.17	172	918812	1.7251 ug/ml	0.00
Spiked Amount 2.500	Range 30 - 115		Recovery	= 69.20%	
17) p-Terphenyl-d14	11.92	244	1169413	1.9986 ug/ml	0.00
Spiked Amount 2.500	Range 18 - 137		Recovery	= 80.00%	

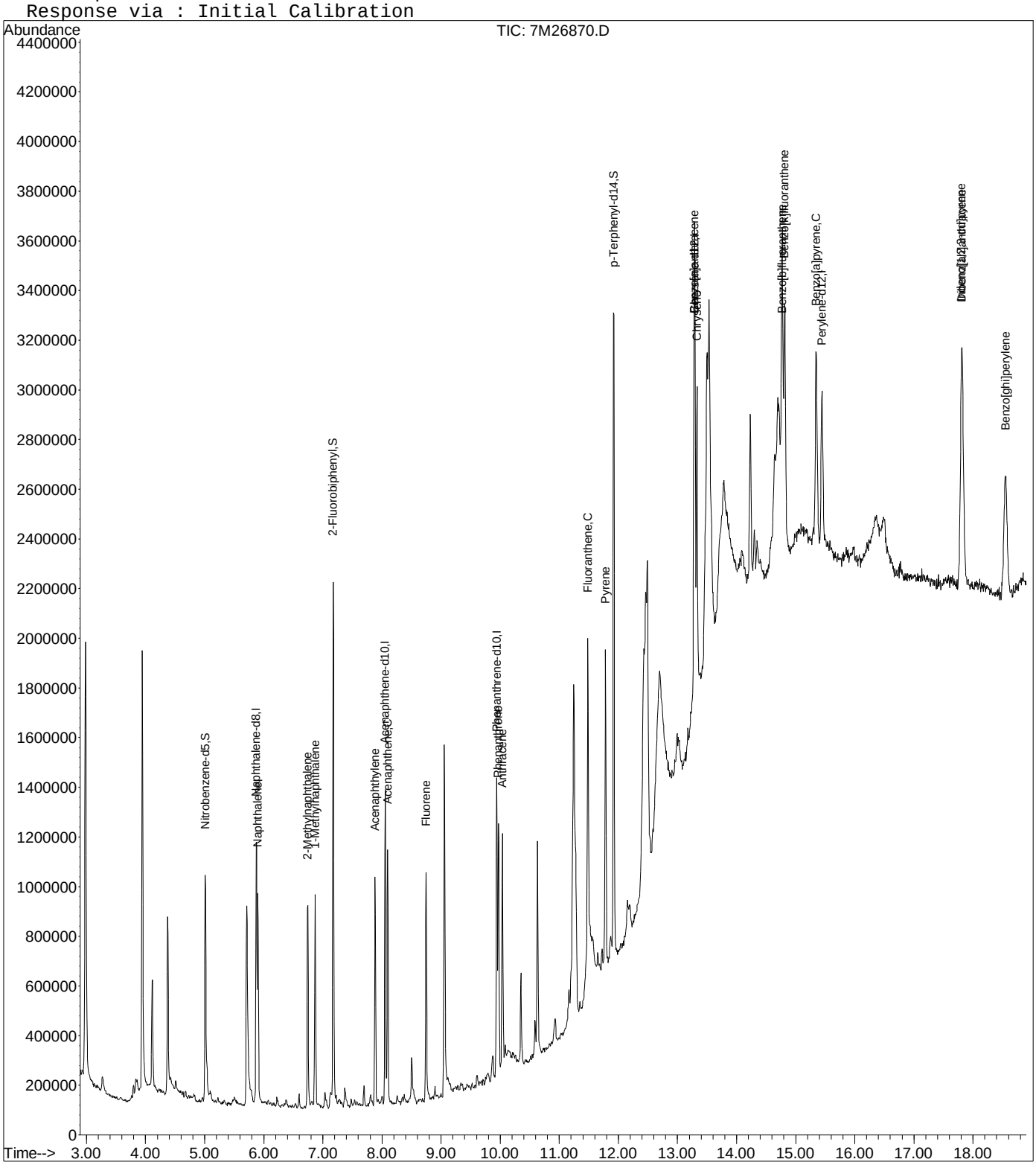
Target Compounds					Qvalue
3) Naphthalene	5.90	128	537458	0.7036 ug/ml	100
4) 2-Methylnaphthalene	6.75	142	341684	0.6989 ug/ml	98
5) 1-Methylnaphthalene	6.87	142	337622	0.7025 ug/ml	98
8) Acenaphthylene	7.88	152	542051	0.7377 ug/ml	99
9) Acenaphthene	8.09	154	314308	0.6990 ug/ml	99
10) Fluorene	8.75	166	385422	0.7327 ug/ml	99
12) Phenanthrene	9.97	178	556537	0.7513 ug/ml	100
13) Anthracene	10.04	178	572167	0.7850 ug/ml	99
14) Fluoranthene	11.48	202	692149	0.8799 ug/ml	98
16) Pyrene	11.78	202	727451	0.8402 ug/ml	99
18) Benzo[a]anthracene	13.28	228	670618	0.8835 ug/ml	100
19) Chrysene	13.33	228	625600	0.8396 ug/ml	99
21) Benzo[b]fluoranthene	14.77	252	721503	0.8697 ug/ml	100
22) Benzo[k]fluoranthene	14.81	252	666045	0.8215 ug/ml	99
23) Benzo[a]pyrene	15.35	252	667048	0.8393 ug/ml	98
24) Indeno[1,2,3-cd]pyrene	17.81	276	785106	0.8531 ug/ml	96
25) Dibenz[ah]anthracene	17.82	278	644808	0.8373 ug/ml	99
26) Benzo[ghi]perylene	18.55	276	684084	0.8871 ug/ml	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101305\7M26870.D Vial: 12
Acq On : 13 Oct 2005 17:35 Operator: CLK
Sample : WG198583-03 LCS DUP 10/13 EP250P93 Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 9:35 2005 Quant Results File: PAH1005.RES

Method : C:\MSDCHEM\1\METHODS\PAH1005.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/05/05
Last Update : Fri Oct 14 09:34:09 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101805\7M26946.D Vial: 18
Acq On : 19 Oct 2005 1:19 Operator: CLK
Sample : WG198681-03 LCS DUP 10/14 EP0250P105 Rem Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 19 10:17:27 2005 Quant Results File: PAH1018.RES

Quant Method : C:\MSDCHEM\1\METHODS\PAH1018.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/18/05
Last Update : Wed Oct 19 10:15:48 2005
Response via : Initial Calibration
DataAcq Meth : PAHL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Naphthalene-d8	5.84	136	456022	1.00 ug/ml	0.00
6) Acenaphthene-d10	8.02	164	237146	1.00 ug/ml	0.00
11) Phenanthrene-d10	9.91	188	377838	1.00 ug/ml	0.00
15) Chrysene-d12	13.26	240	401090	1.00 ug/ml	-0.01
20) Perylene-d12	15.39	264	314981	1.00 ug/ml	0.00

System Monitoring Compounds					
2) Nitrobenzene-d5	4.98	82	295673	1.6690 ug/ml	0.00
Spiked Amount 2.500	Range 23 - 120		Recovery	= 66.80%	
7) 2-Fluorobiphenyl	7.14	172	575115	1.5449 ug/ml	0.00
Spiked Amount 2.500	Range 30 - 115		Recovery	= 61.60%	
17) p-Terphenyl-d14	11.89	244	864296	2.2515 ug/ml	0.00
Spiked Amount 2.500	Range 18 - 137		Recovery	= 90.00%	

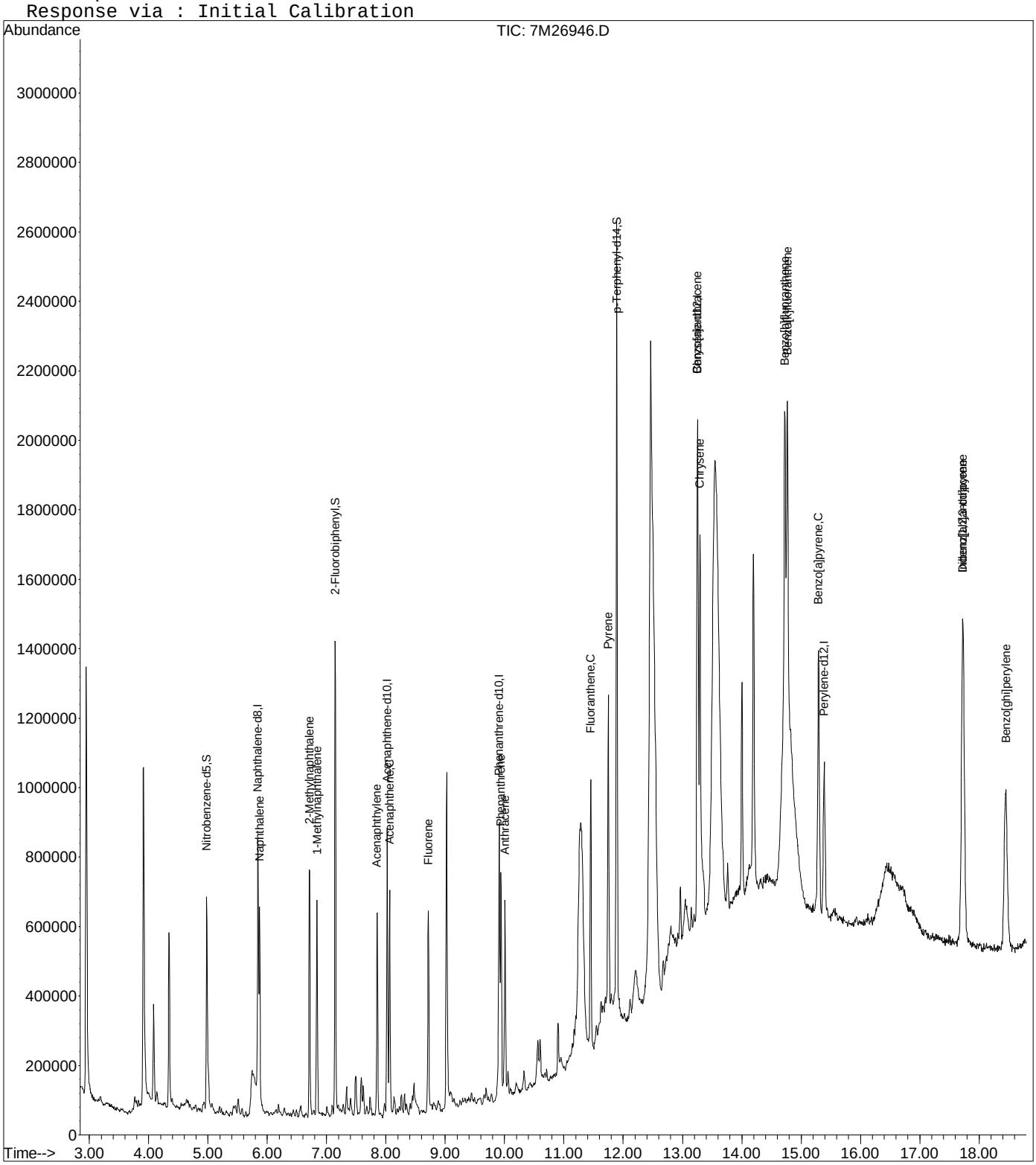
Target Compounds					Qvalue
3) Naphthalene	5.87	128	338004	0.6529 ug/ml	98
4) 2-Methylnaphthalene	6.71	142	282340	0.8520 ug/ml	100
5) 1-Methylnaphthalene	6.84	142	234261	0.7149 ug/ml	97
8) Acenaphthylene	7.85	152	319814	0.6382 ug/ml	99
9) Acenaphthene	8.06	154	194929	0.6350 ug/ml	99
10) Fluorene	8.71	166	236130	0.6603 ug/ml	99
12) Phenanthrene	9.94	178	364642	0.7330 ug/ml	100
13) Anthracene	10.01	178	339170	0.6905 ug/ml	99
14) Fluoranthene	11.45	202	503096	0.9610 ug/ml	99
16) Pyrene	11.75	202	554526	0.9754 ug/ml	99
18) Benzo[a]anthracene	13.25	228	528734	0.9923 ug/ml	98
19) Chrysene	13.29	228	510213	1.0036 ug/ml	99
21) Benzo[b]fluoranthene	14.72	252	618496	1.0459 ug/ml	99
22) Benzo[k]fluoranthene	14.77	252	602740	1.0578 ug/ml	98
23) Benzo[a]pyrene	15.29	252	583731	1.0209 ug/ml	99
24) Indeno[1,2,3-cd]pyrene	17.73	276	709873	1.0134 ug/ml#	97
25) Dibenz[ah]anthracene	17.73	278	581136	0.9881 ug/ml	99
26) Benzo[ghi]perylene	18.45	276	625671	1.0842 ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101805\7M26946.D Vial: 18
Acq On : 19 Oct 2005 1:19 Operator: CLK
Sample : WG198681-03 LCS DUP 10/14 EP0250P105 Rem Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 19 10:17 2005 Quant Results File: PAH1018.RES

Method : C:\MSDCHEM\1\METHODS\PAH1018.M (RTE Integrator)
Title : PAHL/INITIAL CALIBRATION 10/18/05
Last Update : Wed Oct 19 10:15:48 2005
Response via : Initial Calibration



2.2.3 Pesticide GC Data (8081)

2.2.3.1 QC Summary

KEMRON ENVIRONMENTAL SERVICES
GC PESTICIDES

KEMRON Login No.: L0510264

METHOD

Preparation: SW- 846 3550B(Soils) 3510C(Waters)

Analysis: SW-846 8081

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: For all compounds which yielded a %RSD greater than 20 %, linear or higher order equations were applied. All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibration: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Labortory Control Sample: All acceptance criteria were met.

Matrix Spikes: There were no MS/MSD results associated with this sample delivery group.

SAMPLES

Surrogates: The dilution of sample -01 and the confirmation of sample -02 yielded % recoveries for decachlorobiphenyl that were above the acceptance limit. All other acceptance criteria were met.

Endrin/DDT Breakdown: All acceptance criteria were met.

Samples: For all samples which yielded results with an RPD of greater than 40% between the primary and confirmation column the appropriate flag was applied. All acceptance criteria were met.

Manual Integration Reason Codes

KEMRON laboratory management has identified four general cases with valid reasons supporting the use of manual integration techniques.

Reason #1: Data System Fails to Select Correct Peak

In some cases the chromatography system selects and integrates the ”wrong peak”. In this case the analyst must correct the selection and force the system to integrate the proper peak. Other times the system may miss the peak completely.

Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak.

This phenomena is common at low concentrations where the signal:noise ratio is low. A single compound (peak) is incorrectly split into multiple peaks or integrated as a main peak with one or more rider peaks resulting in low area counts for the target compound.

Reason #3: Improperly Integrated Isomers and/or coeluting compounds.

This system often fails to distinguish coeluting compounds and or isomers. The integration areas and concentrations are wrong, and they must be corrected by manual integration. Prime examples are benzo(k)fluoranthene and benzo(b)fluoranthene which are often unresolved and integrated improperly when both are present at low concentrations in standards or samples.

Reason #4: System Establishes Incorrect Baseline

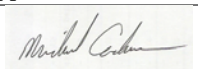
There are numerous situations in chromatography where the system establishes the baseline incorrectly. Some baseline errors will be obvious to the analyst and should be corrected via manual procedures.

Reason #5: Miscellaneous

Other situations involving integration errors may require in-depth review and technical judgment. These cases should be brought to the attention of the laboratory management. If the form of manual integration is not clearly covered by these four cases, then review and approval by the Laboratory Director or the QA/QC Supervisor will be required.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: ECL

Approved: 21-OCT-05


Semi-Volatile GC Checklist

Run Date: 10-3-05

Analyst: ECL

Instrument: HP 15

Method: 8081

Login no.	Due Date	Priority
09-549	10/4	P1
09-564	10/13	—

		Analyst	Peer
System Performance Check:	Endrin/DDT Breakdown	√	√
Initial Calibration:	ICAL summary	√	√
	Linear or quadriatic regression		
	Alt Source Check	√	√
Continuing Calibration:	Continuing Calibration	√	√
	Ending standards	√	√
	Client Specific Requirements	√	√
	Special Standards		
Blanks:	Quant Report/Chromatogram	√	√
	Surrogates	√	√
LCS/LCS DUP:	Quant Report/Chromatogram	√	√
	Surrogates	√	√
	Spike Compounds	√	√
	MS/MSD		
Samples:	Quant Reports/Chromatograms	√	√
	Surrogates	√	√
	Dilution runs	√	√
	Confirmations	√	√
	Correct Factors	√	√
	Manual integrations		
Data Package:	Run logs	√	√
	Bench sheets	√	√
	Upload results	√	√
	QC forms	√	√
	Seedpak workgroups	√	√
Client Data	Data scanned		
	Integrations digitally signed		
	Level 2 pdf files	√	
	Level 3/Level x		
	Level 4 copies		
	Case narratives	√	

	Supervisor
Integrations digitally cosigned	NA
Corrective Action	NA
Results Reporting/Data Qualifiers	√
Client Data/digital signatures	√
Check for Completeness	√
Check for compliance with method and project requirements	√
Check the reasonableness of results	√

√ = Checked & OK

NA = Not Applicable

Comments:

Secondary Reviewer: ECL 10/4/05

Supervisor Review: RRC 10/4/05

Figure 1
Semi-Volatile GC Checklist

Run Date: 10-13-05

Analyst: ECL

Instrument: HP 9

Method: 8081

Login no.	Due Date	Priority
10-101 RE	10/13	P1
10-153RE	10/12	P1
10-211	10/14	F4

		Analyst	Peer
System Performance Check:	Endrin/DDT Breakdown	✓	✓
Initial Calibration:	ICAL summary	✓	✓
	Linear or quadriatic regression		
	Alt Source Check	✓	✓
Continuing Calibration:	Continuing Calibration	✓	✓
	Ending standards	✓	✓
	Client Specific Requirements	✓	✓
	Special Standards		
Blanks:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
LCS/LCS DUP:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
	Spike Compounds	✓	✓
	MS/MSD		
Samples:	Quant Reports/Chromatograms	✓	✓
	Mass spectra	✓	
	Surrogates	✓	✓
	Dilution runs	✓	✓
	Confirmations	✓	✓
	Correct Factors	✓	✓
	Manual integrations		
Data Package:	Run logs	✓	✓
	Bench sheets	✓	✓
	Upload results	✓	✓
	QC forms	✓	✓
	Seedpak workgroups	✓	✓
Client Data	Data scanned		
	Integrations digitally signed		
	Level 2 pdf files		
	Level 3/Level x	✓	
	Level 4 copies		
	Case narratives	✓	

	Supervisor
Integrations digitally cosigned	
Corrective Action	
Results Reporting/Data Qualifiers	✓
Client Data/digital signatures	✓
Check for Completeness	✓
Check for compliance with method and project requirements	✓
Check the reasonableness of results	✓

√ = Checked & OK
NA = Not Applicable

Comments:

Primary Reviewer: ECL 10/14/05

Secondary Reviewer: [illegible] 10/14/05

Figure 1
Semi-Volatile GC Checklist

Run Date: 10-14-05

Analyst: ECL

Instrument: HP 9

Method: 8081

Login no.	Due Date	Priority
10-264	10/17	P1

		Analyst	Peer
System Performance Check:	Endrin/DDT Breakdown	√	√
Initial Calibration:	ICAL summary		
	Linear or quadriatic regression		
	Alt Source Check		
Continuing Calibration:	Continuing Calibration	√	√
	Ending standards	√	√
	Client Specific Requirements	√	√
	Special Standards		
Blanks:	Quant Report/Chromatogram	√	√
	Surrogates	√	√
LCS/LCS DUP:	Quant Report/Chromatogram	√	√
	Surrogates	√	√
	Spike Compounds	√	√
	MS/MSD		
Samples:	Quant Reports/Chromatograms	√	√
	Mass spectra		
	Surrogates	√	√
	Dilution runs		
	Confirmations	√	√
	Correct Factors	√	√
	Manual integrations		
Data Package:	Run logs	√	√
	Bench sheets	√	√
	Upload results	√	√
	QC forms	√	√
	Seedpak workgroups	√	√
Client Data	Data scanned		
	Integrations digitally signed		
	Level 2 pdf files		
	Level 3/Level x		
	Level 4 copies		
	Case narratives		

	Supervisor
Integrations digitally cosigned	NA
Corrective Action	NA
Results Reporting/Data Qualifiers	√
Client Data/digital signatures	
Check for Completeness	√
Check for compliance with method and project requirements	√
Check the reasonableness of results	√

√ = Checked & OK
NA = Not Applicable

Comments:

264-01 & 02
need rerun.

Primary Reviewer: EC 10/17/05

Secondary Reviewer: DRC 10/17/05

Figure 1
Semi-Volatile GC Checklist

Run Date: 10-19-05

Analyst: ECL

Instrument: HP 15

Method: 8081

Login no.	Due Date	Priority
10-264 CF	10/19	P1

		Analyst	Peer
System Performance Check:	Endrin/DDT Breakdown	√	✓
Initial Calibration:	ICAL summary		
	Linear or quadriatic regression		
	Alt Source Check		
Continuing Calibration:	Continuing Calibration	√	✓
	Ending standards	√	✓
	Client Specific Requirements		
	Special Standards		
Blanks:	Quant Report/Chromatogram	√	✓
	Surrogates	√	✓
LCS/LCS DUP:	Quant Report/Chromatogram		
	Surrogates		
	Spike Compounds		
	MS/MSD		
Samples:	Quant Reports/Chromatograms	√	✓
	Mass spectra		
	Surrogates	√	✓
	Dilution runs	√	✓
	Confirmations	√	✓
	Correct Factors	√	✓
	Manual integrations		
Data Package:	Run logs	√	✓
	Bench sheets	√	✓
	Upload results	√	✓
	QC forms		
	Seedpak workgroups	√	✓
Client Data	Data scanned		
	Integrations digitally signed		
	Level 2 pdf files		
	Level 3/Level x		
	Level 4 copies		
	Case narratives		

	Supervisor
Integrations digitally cosigned	
Corrective Action	
Results Reporting/Data Qualifiers	✓
Client Data/digital signatures	
Check for Completeness	✓
Check for compliance with method and project requirements	✓
Check the reasonableness of results	✓

√ = Checked & OK
NA = Not Applicable

Comments:

Primary Reviewer: ECZ 10/19/05

Secondary Reviewer: [illegible] 10/19/05

Example 8081 Calculations

1.0 Calculating the Response Factor (RF) from the initial calibration (ICAL) data:

$$RF = \frac{As}{Cs}$$

where:	Example:
A_s = Area of the compound being measured in the standard	10000
C_s = Concentration of the compound being measured (ng/mL)	100
	RF = 100

2.0 Calculating the concentration (C) of a compound in water using data from prep log and quantitation report:*

$$C = \frac{(A_x)(Vf)(D)}{(RF)(Vi)}$$

where:	Example:
A_x = Area of the compound begin measured	10000
Vf = Final volume of sample extract (mL). (prep log)	1
D = Dilution factor for sample as a multiplier (10X=10)	1
RF = Response factor from ICAL calculated above.	100
Vi = Initial volume of sample (mL). (prep log)	1000
	C(ug/L) = 0.1

3.0 Calculating the concentration (C) of a compound in soil using data from prep log and quantitation report:*

$$C = \frac{(A_x)(Vf)(D)}{(RF)(Wi)}$$

where:	Example:
A_x = Area of the compound begin measured	10000
Vf = Final volume of sample extract (mL). (prep log)	1
D = Dilution factor for sample as a multiplier (10X=10)	1
RF = Response factor from ICAL calculated above.	100
Wi = Initial weight of sample (g).	30
	C(ug/kg) = 3.333333

* Concentrations appearing on instrument quantitation reports are on-column results and do not take into account initial volume, final volume and dilution factor.

Instrument: HP15 Dataset: 100305
Analyst 1: ECL Analyst 2: NA
Method: 8081 SOP: GCS09 Rev: 7

Column 1 ID: RTX-CLP Column 2 ID: RTX-CLP2

Seq.	File ID	Sample Info	Mat	Dil	Reference	Date/Time
1.	15G3246.F	ENDRIN/DDT	1	1	SOS76-03	10/03/05 10:17
2.	15G3246.R	ENDRIN/DDT	1	1	SOS76-03	10/03/05 10:45
3.	15G3247.F	PEST CCV 20 PPB*	1	1	SOS75-31	10/03/05 10:45
4.	15G3247.R	PEST CCV 20 PPB	1	1	SOS75-31	10/03/05 11:12
5.	15G3248.F	TOX 25 PPB	1	1	SOS75-14	10/03/05 11:12
6.	15G3248.R	TOX 25 PPB	1	1	SOS75-14	10/03/05 11:40
7.	15G3249.F	WG197793-01 ENDRIN/DDT	1	1	SOS76-03	10/03/05 12:19
8.	15G3249.R	WG197793-01 ENDRIN/DDT	1	1	SOS76-03	10/03/05 12:47
9.	15G3250.F	TOX ICAL 2000 PPB	1	1	SOS75-14	10/03/05 12:47
10.	15G3250.R	TOX ICAL 2000 PPB	1	1	SOS75-14	10/03/05 13:15
11.	15G3251.F	TOX ICAL 1000 PPB	1	1	SOS75-14	10/03/05 13:15
12.	15G3251.R	TOX ICAL 1000 PPB	1	1	SOS75-14	10/03/05 13:43
13.	15G3252.F	TOX ICAL 500 PPB	1	1	SOS75-14	10/03/05 13:43
14.	15G3252.R	TOX ICAL 500 PPB	1	1	SOS75-14	10/03/05 14:10
15.	15G3253.F	TOX ICAL 250 PPB	1	1	SOS75-14	10/03/05 14:10
16.	15G3253.R	TOX ICAL 250 PPB	1	1	SOS75-14	10/03/05 14:38
17.	15G3254.F	TOX ICAL 100 PPB	1	1	SOS75-14	10/03/05 14:38
18.	15G3254.R	TOX ICAL 100 PPB	1	1	SOS75-14	10/03/05 15:06
19.	15G3255.F	TOX ALT 250 PPB	1	1	SOS75-32	10/03/05 15:06
20.	15G3255.R	TOX ALT 250 PPB	1	1	SOS75-32	10/03/05 15:33
21.	15G3256.F	WG197792-01 PEST ICAL 200 PPB	1	1	SOS75-31	10/03/05 15:33
22.	15G3256.R	WG197792-01 PEST ICAL 200 PPB	1	1	SOS75-31	10/03/05 16:01
23.	15G3257.F	WG197792-02 PEST ICAL 100 PPB	1	1	SOS75-31	10/03/05 16:01
24.	15G3257.R	WG197792-02 PEST ICAL 100 PPB	1	1	SOS75-31	10/03/05 16:29
25.	15G3258.F	WG197792-03 PEST ICAL 50 PPB	1	1	SOS75-31	10/03/05 16:29
26.	15G3258.R	WG197792-03 PEST ICAL 50 PPB	1	1	SOS75-31	10/03/05 16:56
27.	15G3259.F	WG197792-04 PEST ICAL 20 PPB	1	1	SOS75-31	10/03/05 16:56
28.	15G3259.R	WG197792-04 PEST ICAL 20 PPB	1	1	SOS75-31	10/03/05 17:24
29.	15G3260.F	WG197792-05 PEST ICAL 10 PPB	1	1	SOS75-31	10/03/05 17:24
30.	15G3260.R	WG197792-05 PEST ICAL 10 PPB	1	1	SOS75-31	10/03/05 17:52
31.	15G3261.F	WG197792-06 PEST ICAL 4 PPB	1	1	SOS75-31	10/03/05 17:52
32.	15G3261.R	WG197792-06 PEST ICAL 4 PPB	1	1	SOS75-31	10/03/05 18:19
33.	15G3262.F	WG197792-07 PEST ICAL 1 PPB	1	1	SOS75-31	10/03/05 18:19
34.	15G3262.R	WG197792-07 PEST ICAL 1 PPB	1	1	SOS75-31	10/03/05 18:47
35.	15G3263.F	WG197792-08 PEST ALT 20 PPB	1	1	SOS75-24	10/03/05 18:47
36.	15G3263.R	WG197792-08 PEST ALT 20 PPB	1	1	SOS75-24	10/03/05 19:15
37.	15G3264.F	WG197625-01 BLANK V248 P183	7	1	SOIL	10/03/05 19:15
38.	15G3264.R	WG197625-01 BLANK V248 P183	7	1	SOIL	10/03/05 19:42
39.	15G3265.F	WG197625-02 LCS V248 P183	7	1	SOIL	10/03/05 19:42
40.	15G3265.R	WG197625-02 LCS V248 P183	7	1	SOIL	10/03/05 20:10
41.	15G3266.F	WG197625-03 LCS DUP V248 P183	7	1	SOIL	10/03/05 20:10
42.	15G3266.R	WG197625-03 LCS DUP V248 P183	7	1	SOIL	10/03/05 20:38
43.	15G3267.F	L0509549-05	7	1	SOIL	10/03/05 20:38

Approved: October 04, 2005
Rebecca D. Cattlip

Seq.	File ID	Sample Info	Mat	Dil	Reference	Date/Time
44.	15G3267.R	L0509549-05	7	1	SOIL	10/03/05 21:06
45.	15G3268.F	WG197668-01 BLANK V248 P191	10	1	SOIL	10/03/05 21:06
46.	15G3268.R	WG197668-01 BLANK V248 P191	10	1	SOIL	10/03/05 21:33
47.	15G3269.F	WG197668-02 LCS V248 P191	10	1	SOIL	10/03/05 21:33
48.	15G3269.R	WG197668-02 LCS V248 P191	10	1	SOIL	10/03/05 22:01
49.	15G3270.F	WG197668-03 LCS DUP V248 P191	10	1	SOIL	10/03/05 22:01
50.	15G3270.R	WG197668-03 LCS DUP V248 P191	10	1	SOIL	10/03/05 22:29
51.	15G3271.F	WG197793-02 ENDRIN/DDT	1	1	SOS76-03	10/03/05 22:29
52.	15G3271.R	WG197793-02 ENDRIN/DDT	1	1	SOS76-03	10/03/05 22:57
53.	15G3272.F	WG197793-03 PEST CCV 20 PPB	1	1	SOS75-31	10/03/05 22:57
54.	15G3272.R	WG197793-03 PEST CCV 20 PPB	1	1	SOS75-31	10/03/05 23:24
55.	15G3273.F	TOX CCV 250 PPB	1	1	SOS75-14	10/03/05 23:24
56.	15G3273.R	TOX CCV 250 PPB	1	1	SOS75-14	10/03/05 23:52
57.	15G3274.F	L0509564-02 100x	10	100	SOIL	10/03/05 23:52
58.	15G3274.R	L0509564-02 100x	10	100	SOIL	10/04/05 00:20
59.	15G3275.F	L0509564-03 2000x	10	2000	SOIL	10/04/05 00:20
60.	15G3275.R	L0509564-03 2000x	10	2000	SOIL	10/04/05 00:47
61.	15G3276.F	WG197667-01 BLANK V248 P195	11	1		10/04/05 00:47
62.	15G3276.R	WG197667-01 BLANK V248 P195	11	1		10/04/05 01:15
63.	15G3277.F	WG197667-02 LCS V248 P195	11	1		10/04/05 01:15
64.	15G3277.R	WG197667-02 LCS V248 P195	11	1		10/04/05 01:43
65.	15G3278.F	WG197667-03 LCS DUP V248 P195	11	1		10/04/05 01:43
66.	15G3278.R	WG197667-03 LCS DUP V248 P195	11	1		10/04/05 02:10
67.	15G3279.F	L0509564-01 100x	11	100		10/04/05 02:10
68.	15G3279.R	L0509564-01 100x	11	100		10/04/05 02:38
69.	15G3280.F	L0509564-04 20x	11	20		10/04/05 02:38
70.	15G3280.R	L0509564-04 20x	11	20		10/04/05 03:06
71.	15G3281.F	HEXANE	1	1		10/04/05 03:06
72.	15G3281.R	HEXANE	1	1		10/04/05 03:33
73.	15G3282.F	ELAB SURROGATE 20 PPB	1	1	STD10067	10/04/05 03:33
74.	15G3282.R	ELAB SURROGATE 20 PPB	1	1	STD10067	10/04/05 04:01
75.	15G3283.F	WG197793-05 ENDRIN/DDT	1	1	SOS76-03	10/04/05 04:01
76.	15G3283.R	WG197793-05 ENDRIN/DDT	1	1	SOS76-03	10/04/05 04:29
77.	15G3284.F	WG197793-04 PEST CCV 50 PPB*	1	1	SOS75-31	10/04/05 04:29
78.	15G3284.R	WG197793-04 PEST CCV 50 PPB	1	1	SOS75-31	10/04/05 04:56
79.	15G3285.F	TOX CCV 500 PPB	1	1	SOS75-14	10/04/05 04:56
80.	15G3285.R	TOX CCV 500 PPB	1	1	SOS75-14	10/04/05 05:24

3. Standard failed low.
77. Methoxychlor failed low.

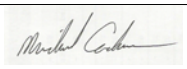
Approved: October 04, 2005
Rebecca A. Cattlip

Instrument: HP9 Dataset: 101305
Analyst 1: ECL Analyst 2: NA
Method: 8081 SOP: GCS09 Rev: 7

Column 1 ID: RTX-CLP Column 2 ID: RTX-CLP2

Seq.	File ID	Sample Info	Mat	Dil	Reference	Date/Time
1.	9G32624.F	WG198575-01 ENDRIN/DDT	1	1	SOS76-03	10/13/05 14:37
2.	9G32624.R	WG198575-01 ENDRIN/DDT	1	1	SOS76-03	10/13/05 15:05
3.	9G32625.F	WG198575-02 PEST CCV 20 PPB*	1	1	SOS75-31	10/13/05 15:05
4.	9G32625.R	WG198575-02 PEST CCV 20 PPB	1	1	SOS75-31	10/13/05 15:33
5.	9G32626.F	TOX ICAL 2000 PPB	1	1	SOS75-14	10/13/05 15:33
6.	9G32626.R	TOX ICAL 2000 PPB	1	1	SOS75-14	10/13/05 16:01
7.	9G32627.F	TOX ICAL 1000 PPB	1	1	SOS75-14	10/13/05 16:01
8.	9G32627.R	TOX ICAL 1000 PPB	1	1	SOS75-14	10/13/05 16:29
9.	9G32628.F	TOX ICAL 500 PPB	1	1	SOS75-14	10/13/05 16:29
10.	9G32628.R	TOX ICAL 500 PPB	1	1	SOS75-14	10/13/05 16:57
11.	9G32629.F	TOX ICAL 250 PPB	1	1	SOS75-14	10/13/05 16:57
12.	9G32629.R	TOX ICAL 250 PPB	1	1	SOS75-14	10/13/05 17:25
13.	9G32630.F	TOX ICAL 100 PPB	1	1	SOS75-14	10/13/05 17:25
14.	9G32630.R	TOX ICAL 100 PPB	1	1	SOS75-14	10/13/05 17:54
15.	9G32631.F	TOX ALT 500 PPB	1	1	SOS75-32	10/13/05 17:54
16.	9G32631.R	TOX ALT 500 PPB	1	1	SOS75-32	10/13/05 18:22
17.	9G32632.F	WG198574-01 PEST ICAL 200 PPB	1	1	SOS75-31	10/13/05 18:22
18.	9G32632.R	WG198574-01 PEST ICAL 200 PPB	1	1	SOS75-31	10/13/05 18:50
19.	9G32633.F	WG198574-02 PEST ICAL 100 PPB	1	1	SOS75-31	10/13/05 18:50
20.	9G32633.R	WG198574-02 PEST ICAL 100 PPB	1	1	SOS75-31	10/13/05 19:18
21.	9G32634.F	WG198574-03 PEST ICAL 50 PPB	1	1	SOS75-31	10/13/05 19:18
22.	9G32634.R	WG198574-03 PEST ICAL 50 PPB	1	1	SOS75-31	10/13/05 19:46
23.	9G32635.F	WG198574-04 PEST ICAL 20 PPB	1	1	SOS75-31	10/13/05 19:46
24.	9G32635.R	WG198574-04 PEST ICAL 20 PPB	1	1	SOS75-31	10/13/05 20:14
25.	9G32636.F	WG198574-05 PEST ICAL 10 PPB	1	1	SOS75-31	10/13/05 20:14
26.	9G32636.R	WG198574-05 PEST ICAL 10 PPB	1	1	SOS75-31	10/13/05 20:42
27.	9G32637.F	WG198574-06 PEST ICAL 4 PPB	1	1	SOS75-31	10/13/05 20:42
28.	9G32637.R	WG198574-06 PEST ICAL 4 PPB	1	1	SOS75-31	10/13/05 21:10
29.	9G32638.F	WG198574-07 PEST ICAL 1 PPB	1	1	SOS75-31	10/13/05 21:10
30.	9G32638.R	WG198574-07 PEST ICAL 1 PPB	1	1	SOS75-31	10/13/05 21:39
31.	9G32639.F	WG198574-08 PEST ALT 20 PPB	1	1	SOS75-24	10/13/05 21:39
32.	9G32639.R	WG198574-08 PEST ALT 20 PPB	1	1	SOS75-24	10/13/05 22:07
33.	9G32640.F	WG198531-01 BLANK V250 P91	7	1	SOIL	10/13/05 22:07
34.	9G32640.R	WG198531-01 BLANK V250 P91	7	1	SOIL	10/13/05 22:35
35.	9G32641.F	WG198531-02 LCS V250 P91	7	1	SOIL	10/13/05 22:35
36.	9G32641.R	WG198531-02 LCS V250 P91	7	1	SOIL	10/13/05 23:03
37.	9G32642.F	WG198531-03 LCS DUP V250 P91	7	1	SOIL	10/13/05 23:03
38.	9G32642.R	WG198531-03 LCS DUP V250 P91	7	1	SOIL	10/13/05 23:31
39.	9G32643.F	WG198531-04 TOX LCS V250 P91	7	1	SOIL	10/13/05 23:31
40.	9G32643.R	WG198531-04 TOX LCS V250 P91	7	1	SOIL	10/13/05 23:59
41.	9G32644.F	L0510101-02 RE	7	1		10/13/05 23:59
42.	9G32644.R	L0510101-02 RE	7	1		10/14/05 00:27
43.	9G32645.F	L0510153-01 RE	7	1		10/14/05 00:27

Approved: October 14, 2005



Seq.	File ID	Sample Info	Mat	Dil	Reference	Date/Time
44.	9G32645.R	L0510153-01 RE	7	1		10/14/05 00:55
45.	9G32646.F	L0510153-02 RE	7	1		10/14/05 00:55
46.	9G32646.R	L0510153-02 RE	7	1		10/14/05 01:23
47.	9G32647.F	WG198474-01 BLANK V250 P81	7	1	SOIL	10/14/05 01:23
48.	9G32647.R	WG198474-01 BLANK V250 P81	7	1	SOIL	10/14/05 01:52
49.	9G32648.F	WG198474-02 LCS V250 P81	7	1	SOIL	10/14/05 01:52
50.	9G32648.R	WG198474-02 LCS V250 P81	7	1	SOIL	10/14/05 02:20
51.	9G32649.F	WG198474-03 LCS DUP V250 P81	7	1	SOIL	10/14/05 02:20
52.	9G32649.R	WG198474-03 LCS DUP V250 P81	7	1	SOIL	10/14/05 02:48
53.	9G32650.F	WG198575-02 ENDRIN/DDT	1	1	SOS76-03	10/14/05 02:48
54.	9G32650.R	WG198575-02 ENDRIN/DDT	1	1	SOS76-03	10/14/05 03:16
55.	9G32651.F	WG198575-03 PEST CCV 20 PPB	1	1	SOS75-32	10/14/05 03:16
56.	9G32651.R	WG198575-03 PEST CCV 20 PPB	1	1	SOS75-32	10/14/05 03:44
57.	9G32652.F	TOX CCV 250 PPB	1	1	SOS75-14	10/14/05 03:44
58.	9G32652.R	TOX CCV 250 PPB	1	1	SOS75-14	10/14/05 04:12
59.	9G32653.F	L0510211-01	7	1	SOIL	10/14/05 04:12
60.	9G32653.R	L0510211-01	7	1	SOIL	10/14/05 04:40
61.	9G32654.F	L0510211-02	7	1	SOIL	10/14/05 04:40
62.	9G32654.R	L0510211-02	7	1	SOIL	10/14/05 05:08
63.	9G32655.F	L0510211-03 10x	7	10	SOIL	10/14/05 05:08
64.	9G32655.R	L0510211-03 10x	7	10	SOIL	10/14/05 05:36
65.	9G32656.F	L0510211-04	7	1	SOIL	10/14/05 05:36
66.	9G32656.R	L0510211-04	7	1	SOIL	10/14/05 06:05
67.	9G32657.F	L0510211-05 2x	7	2	SOIL	10/14/05 06:05
68.	9G32657.R	L0510211-05 2x	7	2	SOIL	10/14/05 06:33
69.	9G32658.F	L0510211-06	7	1	SOIL	10/14/05 06:33
70.	9G32658.R	L0510211-06	7	1	SOIL	10/14/05 07:01
71.	9G32659.F	L0510211-07	7	1	SOIL	10/14/05 07:01
72.	9G32659.R	L0510211-07	7	1	SOIL	10/14/05 07:29
73.	9G32660.F	L0510211-08	7	1	SOIL	10/14/05 07:29
74.	9G32660.R	L0510211-08	7	1	SOIL	10/14/05 07:57
75.	9G32661.F	L0510211-09 5x	7	5	SOIL	10/14/05 07:57
76.	9G32661.R	L0510211-09 5x	7	5	SOIL	10/14/05 08:25
77.	9G32662.F	L0510211-10	7	1	SOIL	10/14/05 08:25
78.	9G32662.R	L0510211-10	7	1	SOIL	10/14/05 08:53
79.	9G32663.F	WG198575-04 PEST CCV 50 PPB	1	1	SOS75-32	10/14/05 08:53
80.	9G32663.R	WG198575-04 PEST CCV 50 PPB	1	1	SOS75-32	10/14/05 09:21
81.	9G32664.F	L0510211-11	7	1	SOIL	10/14/05 09:21
82.	9G32664.R	L0510211-11	7	1	SOIL	10/14/05 09:49
83.	9G32665.F	L0510211-12	7	1	SOIL	10/14/05 10:35
84.	9G32665.R	L0510211-12	7	1	SOIL	10/14/05 11:04
85.	9G32666.F	L0510211-07 10x	7	10	SOIL	10/14/05 11:04
86.	9G32666.R	L0510211-07 10x	7	10	SOIL	10/14/05 11:32
87.	9G32667.F	L0510211-10 10x	7	10	SOIL	10/14/05 11:32
88.	9G32667.R	L0510211-10 10x	7	10	SOIL	10/14/05 12:00
89.	9G32668.F	WG198575-05 PEST CCV 20 PPB	1	1	SOS75-32	10/14/05 12:00
90.	9G32668.R	WG198575-05 PEST CCV 20 PPB	1	1	SOS75-32	10/14/05 12:28

Approved: October 14, 2005

Seq.	File ID	Sample Info	Mat	Dil	Reference	Date/Time

3. Standard failed.

Approved: October 14, 2005

Instrument: HP9 Dataset: 101405
Analyst 1: ECL Analyst 2: NA
Method: 8081 SOP: GCS09 Rev: 7

Column 1 ID: RTX-CLP Column 2 ID: RTX-CLP2

Seq.	File ID	Sample Info	Mat	Dil	Reference	Date/Time
1.	9G32669.F	WG198688-01 ENDRIN/DDT	1	1	SOS76-03	10/14/05 14:39
2.	9G32669.R	WG198688-01 ENDRIN/DDT	1	1	SOS76-03	10/14/05 15:07
3.	9G32670.F	WG198688-02 PEST CCV 20 PPB	1	1	SOS75-31	10/14/05 15:07
4.	9G32670.R	WG198688-02 PEST CCV 20 PPB	1	1	SOS75-31	10/14/05 15:35
5.	9G32671.F	TOX CCV 250 PPB	1	1	SOS75-14	10/14/05 15:35
6.	9G32671.R	TOX CCV 250 PPB*	1	1	SOS75-14	10/14/05 16:03
7.	9G32672.F	WG198620-01 BLANK V250 P99	7	1	SOIL	10/14/05 16:03
8.	9G32672.R	WG198620-01 BLANK V250 P99	7	1	SOIL	10/14/05 16:31
9.	9G32673.F	WG198620-02 LCS V250 P99	7	1	SOIL	10/14/05 16:31
10.	9G32673.R	WG198620-02 LCS V250 P99	7	1	SOIL	10/14/05 16:59
11.	9G32674.F	WG198620-03 LCS DUP V250 P99	7	1	SOIL	10/14/05 16:59
12.	9G32674.R	WG198620-03 LCS DUP V250 P99	7	1	SOIL	10/14/05 17:27
13.	9G32675.F	L0510264-01*	7	1	SOIL	10/14/05 17:27
14.	9G32675.R	L0510264-01	7	1	SOIL	10/14/05 17:55
15.	9G32676.F	L0510264-02*	7	1	SOIL	10/14/05 17:55
16.	9G32676.R	L0510264-02	7	1	SOIL	10/14/05 18:23
17.	9G32677.F	L0510264-03	7	1	SOIL	10/14/05 18:23
18.	9G32677.R	L0510264-03	7	1	SOIL	10/14/05 18:52
19.	9G32678.F	L0510264-04	7	1	SOIL	10/14/05 18:52
20.	9G32678.R	L0510264-04	7	1	SOIL	10/14/05 19:20
21.	9G32679.F	WG198688-03 ENDRIN/DDT	1	1	SOS76-03	10/14/05 19:20
22.	9G32679.R	WG198688-03 ENDRIN/DDT	1	1	SOS76-03	10/14/05 19:48
23.	9G32680.F	WG198688-04 PEST CCV 50 PPB	1	1	SOS75-31	10/14/05 19:48
24.	9G32680.R	WG198688-04 PEST CCV 50 PPB*	1	1	SOS75-31	10/14/05 20:16
25.	9G32681.F	TOX CCV 500 PPB	1	1	SOS75-14	10/14/05 20:16
26.	9G32681.R	TOX CCV 500 PPB*	1	1	SOS75-14	10/14/05 20:44

6. Toxaphene failed low.
13. Rerun: L0510264-01 at 10X dilution. Reason: Over Calibration Range Analyte:4,4'-DDT
15. Rerun: L0510264-02 Reason: Check Standard Failure Analyte:4,4'-DDT
24. 4,4'-DDT and methoxychlor failed low.
26. Toxaphene failed low.

Approved: October 17, 2005
Rebecca D. Cattlip

Instrument: HP15 Dataset: 101905
Analyst 1: ECL Analyst 2: NA
Method: 8081 SOP: GCS09 Rev: 7

Column 1 ID: RTX-CLP Column 2 ID: RTX-CLP2

Seq.	File ID	Sample Info	Mat	Dil	Reference	Date/Time
1.	15G3480.F	WG198970-01 ENDRIN/DDT	1	1	SOS76-03	10/19/05 10:30
2.	15G3480.R	WG198970-01 ENDRIN/DDT	1	1	SOS76-03	10/19/05 10:58
3.	15G3481.F	WG198970-02 PEST CCV 20 PPB	1	1	SOS75-31	10/19/05 10:58
4.	15G3481.R	WG198970-02 PEST CCV 20 PPB	1	1	SOS75-31	10/19/05 11:25
5.	15G3482.F	L0510264-02 CF	7	1	SOIL	10/19/05 12:01
6.	15G3482.R	L0510264-02 CF	7	1	SOIL	10/19/05 12:29
7.	15G3483.F	L0510264-01 10x	7	10	SOIL	10/19/05 12:29
8.	15G3483.R	L0510264-01 10x	7	10	SOIL	10/19/05 12:56
9.	15G3484.F	WG198620-01 BLANK V250 P99	7	1	SOIL	10/19/05 12:56
10.	15G3484.R	WG198620-01 BLANK V250 P99	7	1	SOIL	10/19/05 13:24
11.	15G3485.F	WG198970-03 ENDRIN/DDT	1	1	SOS76-03	10/19/05 13:24
12.	15G3485.R	WG198970-03 ENDRIN/DDT	1	1	SOS76-03	10/19/05 13:52
13.	15G3486.F	WG198970-04 PEST CCV 50 PPB	1	1	SOS75-31	10/19/05 13:52
14.	15G3486.R	WG198970-04 PEST CCV 50 PPB	1	1	SOS75-31	10/19/05 14:20
15.	15G3487.F	WG198970-01 ENDRIN/DDT	1	1	SOS76-03	10/19/05 17:10
16.	15G3487.R	WG198970-01 ENDRIN/DDT	1	1	SOS76-03	10/19/05 17:38
17.	15G3488.F	WG198970-02 PEST CCV 20 PPB	1	1	SOS75-31	10/19/05 17:38
18.	15G3488.R	WG198970-02 PEST CCV 20 PPB	1	1	SOS75-31	10/19/05 18:05
19.	15G3489.F	L0510264-02 CF	7	1	SOIL	10/19/05 18:05
20.	15G3489.R	L0510264-02 CF	7	1	SOIL	10/19/05 18:33
21.	15G3490.F	L0510264-01 10x	7	10	SOIL	10/19/05 18:33
22.	15G3490.R	L0510264-01 10x	7	10	SOIL	10/19/05 19:01
23.	15G3491.F	WG198620-01 BLANK V250 P99	7	1	SOIL	10/19/05 19:01
24.	15G3491.R	WG198620-01 BLANK V250 P99	7	1	SOIL	10/19/05 19:29
25.	15G3492.F	WG198970-03 ENDRIN/DDT	1	1	SOS76-03	10/19/05 19:29
26.	15G3492.R	WG198970-03 ENDRIN/DDT	1	1	SOS76-03	10/19/05 19:56
27.	15G3493.F	WG198970-04 PEST CCV 50 PPB	1	1	SOS75-31	10/19/05 19:56
28.	15G3493.R	WG198970-04 PEST CCV 50 PPB	1	1	SOS75-31	10/19/05 20:24

Comments.
1rst BATCH RUN FOR 4’4-DDT ONLY. CHANGED BOTH LINERS. 2nd BATCH RUN FOR 4,4’-DDE ONLY.

Approved: October 19, 2005

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

Analytical Method: 8081A AAB#: WG198689

Login Number: L0510264

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
41-BG1-S-1012-05	10/12/05	10/13/05	10/14/05	14	1.80	10/14/05	40	0.373	
41-BG1-S-1012-05	10/12/05	10/13/05	10/14/05	14	1.80	10/14/05	40	0.392	
41-BG1-S-1012-05	10/12/05	10/13/05	10/14/05	14	1.80	10/19/05	40	5.17	
41-BG1-S-1012-05	10/12/05	10/13/05	10/14/05	14	1.80	10/19/05	40	5.18	
41-BG1-S-1012-05	10/12/05	10/13/05	10/14/05	14	1.80	10/19/05	40	5.42	
41-BG1-S-1012-05	10/12/05	10/13/05	10/14/05	14	1.80	10/19/05	40	5.44	
41-BG2-S-1012-05	10/12/05	10/13/05	10/14/05	14	1.78	10/14/05	40	0.392	
41-BG2-S-1012-05	10/12/05	10/13/05	10/14/05	14	1.78	10/14/05	40	0.412	
41-BG2-S-1012-05	10/12/05	10/13/05	10/14/05	14	1.78	10/19/05	40	5.17	
41-BG2-S-1012-05	10/12/05	10/13/05	10/14/05	14	1.78	10/19/05	40	5.40	
41-BG2-S-1012-05	10/12/05	10/13/05	10/14/05	14	1.78	10/19/05	40	5.42	
41-BF2-S-1012-05	10/12/05	10/13/05	10/14/05	14	1.71	10/14/05	40	0.412	
41-TS2-S-1012-05	10/12/05	10/13/05	10/14/05	14	1.70	10/14/05	40	0.432	

* EXT = SEE PROJECT QAPP REQUIREMENTS
*ANAL = SEE PROJECT QAPP REQUIREMENTS

KEMRON FORMS - Modified 11/05/2004
Version 1.5 PDF File ID: 337917
Report generated 10/21/2005 09:43

KEMRON Environmental Services

SURROGATE STANDARDS

Login Number: L0510264
Instrument Id: HP15
Workgroup (AAB#): WG198689

Method: 8081
CAL ID: HP15-03-OCT-05
Matrix: SOLID

Sample Number	Dilution	Tag	1	2
L0510264-01	10.0	CFDL1	73.2	118
L0510264-01	10.0	CFDL2	73.3	89.6
L0510264-01	10.0	DL01	59.4	217
L0510264-01	10.0	DL02	54.3	90.3
L0510264-02	1.00	C103	74.5	211
L0510264-02	1.00	C203	85.4	139
L0510264-02	1.00	CF02	78.6	144

Surrogates	Surrogate Limits		
1 - 2,4,5,6-Tetrachloro-m-xylene	39	-	130
2 - Decachlorobiphenyl	33	-	143

Underline = Result out of surrogate limits

DL = surrogate diluted out
ND = surrogate not detected

KEMRON FORMS - Modified 05/17/2005
Version 1.5 PDF File ID: 336154
Report generated 10/21/2005 09:46

KEMRON Environmental Services

SURROGATE STANDARDS

Login Number: L0510264
Instrument Id: HP9
Workgroup (AAB#): WG198689

Method: 8081
CAL ID: HP9-13-OCT-05
Matrix: SOLID

Sample Number	Dilution	Tag	1	2
L0510264-01	1.00	01	71.2	99.1
L0510264-01	1.00	CF01	73.6	97.7
L0510264-02	1.00	01	68.3	114
L0510264-02	1.00	CF01	69.1	99.1
L0510264-03	1.00	01	63.4	68.4
L0510264-04	1.00	01	64.2	70.0
WG198620-01	1.00	01	70.4	79.5
WG198620-01	1.00	02	70.1	82.7
WG198620-02	1.00	01	70.5	81.7
WG198620-02	1.00	02	72.1	84.4
WG198620-03	1.00	01	78.1	87.2
WG198620-03	1.00	02	79.0	90.0

Surrogates	Surrogate Limits		
1 - 2,4,5,6-Tetrachloro-m-xylene	39	-	130
2 - Decachlorobiphenyl	33	-	143

Underline = Result out of surrogate limits

DL = surrogate diluted out

ND = surrogate not detected

KEMRON FORMS - Modified 05/17/2005
Version 1.5 PDF File ID: 336154
Report generated 10/21/2005 09:46

KEMRON Environmental Services
METHOD BLANK SUMMARY

Login Number: L0510264
Work Group: WG198689
Blank File ID: 9G32672.F
Blank Sample ID: WG198620-01
Date Analyzed: 10/14/05
Instrument ID: HP9
Time Analyzed: 16:03
Method: 8081A
Analyst: ECL

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG198620-02	9G32673.F	10/14/05 16:31	01
LCS2	WG198620-03	9G32674.F	10/14/05 16:59	01
41-BG1-S-1012-05	L0510264-01	9G32675.F	10/14/05 17:27	01
41-BG2-S-1012-05	L0510264-02	9G32676.F	10/14/05 17:55	01
41-BF2-S-1012-05	L0510264-03	9G32677.F	10/14/05 18:23	01
41-TS2-S-1012-05	L0510264-04	9G32678.F	10/14/05 18:52	01
41-BG1-S-1012-05	L0510264-01	15G3483.F	10/19/05 12:29	DL01
41-BG2-S-1012-05	L0510264-02	15G3489.F	10/19/05 18:05	C103
41-BG1-S-1012-05	L0510264-01	15G3490.F	10/19/05 18:33	DL02

KEMRON Environmental Services

METHOD BLANK SUMMARY

Login Number: L0510264
Blank File ID: 9G32672.R
Date Analyzed: 10/14/05
Time Analyzed: 16:31
Analyst: ECL

Work Group: WG198689
Blank Sample ID: WG198620-01
Instrument ID: HP9
Method: 8081A

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG198620-02	9G32673.R	10/14/05 16:59	02
LCS2	WG198620-03	9G32674.R	10/14/05 17:27	02
41-BG1-S-1012-05	L0510264-01	9G32675.R	10/14/05 17:55	CF01
41-BG2-S-1012-05	L0510264-02	9G32676.R	10/14/05 18:23	CF01
41-BG2-S-1012-05	L0510264-02	15G3482.R	10/19/05 12:29	CF02
41-BG1-S-1012-05	L0510264-01	15G3483.R	10/19/05 12:56	CFDL1
41-BG2-S-1012-05	L0510264-02	15G3489.R	10/19/05 18:33	C203
41-BG1-S-1012-05	L0510264-01	15G3490.R	10/19/05 19:01	CFDL2

KEMRON Environmental Services

METHOD BLANK REPORT

Login Number: L0510264 Run Date: 10/14/2005 Sample ID: WG198620-01
Instrument ID: HP9 Run Time: 16:03 Prep Method: 3550B
File ID: 9G32672.F Analyst: ECL Method: 8081A
Workgroup (AAB#): WG198689 Matrix: Soil Units: ug/kg
Contract #: Cal ID: HP9-13-OCT-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
alpha-BHC	0.330	1.65	0.330	1	U
beta-BHC	0.330	1.65	0.330	1	U
delta-BHC	0.330	1.65	0.330	1	U
gamma-BHC (Lindane)	0.330	1.65	0.330	1	U
Heptachlor	0.330	1.65	0.330	1	U
Aldrin	0.330	1.65	0.330	1	U
Heptachlor epoxide	0.330	1.65	0.330	1	U
Endosulfan I	0.330	1.65	0.330	1	U
Dieldrin	0.330	1.65	0.330	1	U
4,4'-DDE	0.330	1.65	0.330	1	U
Endrin	0.330	1.65	0.330	1	U
Endosulfan II	0.330	1.65	0.330	1	U
4,4'-DDD	0.330	1.65	0.330	1	U
Endosulfan sulfate	0.330	1.65	0.330	1	U
4,4'-DDT	0.330	1.65	0.330	1	U
Methoxychlor	0.330	1.65	0.330	1	U
Endrin ketone	0.330	1.65	0.330	1	U
Endrin aldehyde	0.330	1.65	0.330	1	U
alpha Chlordane	0.330	1.65	0.330	1	U
gamma Chlordane	0.330	1.65	0.330	1	U
Toxaphene	16.7	33.0	16.7	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
2,4,5,6-Tetrachloro-m-xylene	70.4	39 - 130	PASS
Decachlorobiphenyl	79.5	33 - 143	PASS

MDL Method Detection Limit
RL Reporting/quantitation Limit
* Analyte concentration > RL
ND Analyte Not detected at or above reporting limit

KEMRON FORMS - Modified 05/17/2005
Version 1.5 PDF File ID: 337919
Report generated 10/21/2005 09:43

KEMRON Environmental Services

METHOD BLANK REPORT

Login Number: L0510264 Run Date: 10/14/2005 Sample ID: WG198620-01
Instrument ID: HP9 Run Time: 16:31 Prep Method: 3550B
File ID: 9G32672.R Analyst: ECL Method: 8081A
Workgroup (AAB#): WG198689 Matrix: Soil Units: ug/kg
Contract #: Cal ID: HP9-13-OCT-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
alpha-BHC	0.330	1.65	0.330	1	U
beta-BHC	0.330	1.65	0.330	1	U
delta-BHC	0.330	1.65	0.330	1	U
gamma-BHC (Lindane)	0.330	1.65	0.330	1	U
Heptachlor	0.330	1.65	0.330	1	U
Aldrin	0.330	1.65	0.330	1	U
Heptachlor epoxide	0.330	1.65	0.330	1	U
Endosulfan I	0.330	1.65	0.330	1	U
Dieldrin	0.330	1.65	0.330	1	U
4,4'-DDE	0.330	1.65	0.330	1	U
Endrin	0.330	1.65	0.330	1	U
Endosulfan II	0.330	1.65	0.330	1	U
4,4'-DDD	0.330	1.65	0.330	1	U
Endosulfan sulfate	0.330	1.65	0.330	1	U
4,4'-DDT	0.330	1.65	0.330	1	U
Methoxychlor	0.330	1.65	0.330	1	U
Endrin ketone	0.330	1.65	0.330	1	U
Endrin aldehyde	0.330	1.65	0.330	1	U
alpha Chlordane	0.330	1.65	0.330	1	U
gamma Chlordane	0.330	1.65	0.330	1	U
Toxaphene	16.7	33.0	16.7	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
2,4,5,6-Tetrachloro-m-xylene	70.1	39 - 130	PASS
Decachlorobiphenyl	82.7	33 - 143	PASS

MDL Method Detection Limit
RL Reporting/quantitation Limit
* Analyte concentration > RL
ND Analyte Not detected at or above reporting limit

KEMRON FORMS - Modified 05/17/2005
Version 1.5 PDF File ID: 337919
Report generated 10/21/2005 09:43

KEMRON Environmental Services

LABORATORY CONTROL SAMPLE

Login Number: L0510264 Run Date: 10/14/2005 Sample ID: WG198620-02
Instrument ID: HP9 Run Time: 16:31 Prep Method: 3550B
File ID: 9G32673.F Analyst: ECL Method: 8081A
Workgroup (AAB#): WG198689 Matrix: Soil Units: ug/kg
Contract #: Cal ID: HP9-13-OCT-05

Analytes	Expected	Found	% Rec	LCS Limits	Q
alpha-BHC	16.7	13.9	83.4	50 - 115	
beta-BHC	16.7	12.9	77.5	50 - 115	
delta-BHC	16.7	14.1	84.7	50 - 125	
gamma-BHC (Lindane)	16.7	13.9	83.3	50 - 120	
Heptachlor	16.7	13.6	81.9	50 - 120	
Aldrin	16.7	13.9	83.5	45 - 140	
Heptachlor epoxide	16.7	13.5	80.9	55 - 120	
Endosulfan I	16.7	11.7	70.0	40 - 120	
Dieldrin	16.7	13.8	82.7	55 - 125	
4,4'-DDE	16.7	14.6	87.6	55 - 130	
Endrin	16.7	14.4	86.3	60 - 135	
Endosulfan II	16.7	12.3	73.9	20 - 115	
4,4'-DDD	16.7	14.5	87.2	50 - 140	
Endosulfan sulfate	16.7	14.6	87.4	20 - 150	
4,4'-DDT	16.7	14.3	85.6	45 - 140	
Methoxychlor	16.7	14.4	86.2	45 - 150	
Endrin ketone	16.7	13.1	78.5	30 - 130	
Endrin aldehyde	16.7	11.8	71.0	20 - 120	
alpha Chlordane	16.7	13.4	80.2	50 - 125	
gamma Chlordane	16.7	13.4	80.6	50 - 125	

Surrogates	% Recovery	Surrogate Limits	Qualifier
2,4,5,6-Tetrachloro-m-xylene	70.5	39 - 130	PASS
Decachlorobiphenyl	81.7	33 - 143	PASS

* FAILS %REC LIMIT

KEMRON FORMS - Modified 09/09/2005
Version 1.5 PDF File ID: 339152
Report generated 10/20/2005 14:20

KEMRON Environmental Services

LABORATORY CONTROL SAMPLE

Login Number: L0510264 Run Date: 10/14/2005 Sample ID: WG198620-02
Instrument ID: HP9 Run Time: 16:59 Prep Method: 3550B
File ID: 9G32673.R Analyst: ECL Method: 8081A
Workgroup (AAB#): WG198689 Matrix: Soil Units: ug/kg
Contract #: Cal ID: HP9-13-OCT-05

Analytes	Expected	Found	% Rec	LCS Limits	Q
alpha-BHC	16.7	14.4	86.3	50 - 115	
beta-BHC	16.7	13.0	78.1	50 - 115	
delta-BHC	16.7	14.3	85.6	50 - 125	
gamma-BHC (Lindane)	16.7	14.4	86.7	50 - 120	
Heptachlor	16.7	14.5	86.9	50 - 120	
Aldrin	16.7	14.5	87.1	45 - 140	
Heptachlor epoxide	16.7	14.0	84.2	55 - 120	
Endosulfan I	16.7	12.3	73.8	40 - 120	
Dieldrin	16.7	14.4	86.2	55 - 125	
4,4'-DDE	16.7	14.8	88.8	55 - 130	
Endrin	16.7	15.1	90.5	60 - 135	
Endosulfan II	16.7	12.5	75.2	20 - 115	
4,4'-DDD	16.7	14.2	85.2	50 - 140	
Endosulfan sulfate	16.7	13.1	78.8	20 - 150	
4,4'-DDT	16.7	15.3	91.8	45 - 140	
Methoxychlor	16.7	15.4	92.5	45 - 150	
Endrin ketone	16.7	13.1	78.7	30 - 130	
Endrin aldehyde	16.7	11.3	67.8	20 - 120	
alpha Chlordane	16.7	14.0	83.8	50 - 125	
gamma Chlordane	16.7	14.1	84.6	50 - 125	

Surrogates	% Recovery	Surrogate Limits	Qualifier
2,4,5,6-Tetrachloro-m-xylene	72.1	39 - 130	PASS
Decachlorobiphenyl	84.4	33 - 143	PASS

* FAILS %REC LIMIT

KEMRON FORMS - Modified 09/09/2005
Version 1.5 PDF File ID: 339152
Report generated 10/20/2005 14:20

KEMRON Environmental Services

LABORATORY CONTROL SAMPLES

Login Number: L0510264 Analyst: ECL Prep Method: 3550B
Instrument ID: HP9 Matrix: Soil Method: 8081A
Workgroup (AAB#): WG198689 Units: ug/kg
Sample ID: WG198620-02 LCS File ID: 9G32673.F Run Date: 10/14/2005 16:31
Sample ID: WG198620-03 LCS2 File ID: 9G32674.F Run Date: 10/14/2005 16:59

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
alpha-BHC	16.7	13.9	83.4	16.7	15.6	93.8	11.8	50 - 115	40	
beta-BHC	16.7	12.9	77.5	16.7	14.3	86.1	10.5	50 - 115	40	
delta-BHC	16.7	14.1	84.7	16.7	15.9	95.4	11.9	50 - 125	40	
gamma-BHC (Lindane)	16.7	13.9	83.3	16.7	15.5	93.2	11.3	50 - 120	40	
Heptachlor	16.7	13.6	81.9	16.7	15.3	91.7	11.4	50 - 120	40	
Aldrin	16.7	13.9	83.5	16.7	15.5	93.1	10.9	45 - 140	40	
Heptachlor epoxide	16.7	13.5	80.9	16.7	15.0	89.9	10.6	55 - 120	40	
Endosulfan I	16.7	11.7	70.0	16.7	13.1	78.5	11.4	40 - 120	40	
Dieldrin	16.7	13.8	82.7	16.7	15.4	92.1	10.8	55 - 125	40	
4,4'-DDE	16.7	14.6	87.6	16.7	16.2	97.3	10.4	55 - 130	40	
Endrin	16.7	14.4	86.3	16.7	16.0	96.2	10.8	60 - 135	40	
Endosulfan II	16.7	12.3	73.9	16.7	13.7	82.4	10.9	20 - 115	40	
4,4'-DDD	16.7	14.5	87.2	16.7	16.1	96.8	10.4	50 - 140	40	
Endosulfan sulfate	16.7	14.6	87.4	16.7	16.5	99.2	12.6	20 - 150	40	
4,4'-DDT	16.7	14.3	85.6	16.7	15.9	95.4	10.8	45 - 140	40	
Methoxychlor	16.7	14.4	86.2	16.7	15.9	95.6	10.4	45 - 150	40	
Endrin ketone	16.7	13.1	78.5	16.7	14.7	88.2	11.5	30 - 130	40	
Endrin aldehyde	16.7	11.8	71.0	16.7	13.2	79.4	11.2	20 - 120	40	
alpha Chlordane	16.7	13.4	80.2	16.7	14.8	88.9	10.2	50 - 125	40	
gamma Chlordane	16.7	13.4	80.6	16.7	15.0	89.7	10.7	50 - 125	40	

Surogates	LCS	LCS2	Surrogate Limits	Qualifier
	% Recovery	% Recovery		
Decachlorobiphenyl	81.7	87.2	33 - 143	PASS
2,4,5,6-Tetrachloro-m-xylene	70.5	78.1	39 - 130	PASS

* FAILS %REC LIMIT

\# FAILS RPD LIMIT

KEMRON FORMS - Modified 01/03/2005
Version 1.5 PDF File ID: 337920
Report generated 10/21/2005 09:43

KEMRON Environmental Services

LABORATORY CONTROL SAMPLES

Login Number: L0510264 Analyst: ECL Prep Method: 3550B
Instrument ID: HP9 Matrix: Soil Method: 8081A
Workgroup (AAB#): WG198689 Units: ug/kg
Sample ID: WG198620-02 LCS File ID: 9G32673.R Run Date: 10/14/2005 16:59
Sample ID: WG198620-03 LCS2 File ID: 9G32674.R Run Date: 10/14/2005 17:27

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
alpha-BHC	16.7	14.4	86.3	16.7	15.7	94.5	8.97	50 - 115	40	
beta-BHC	16.7	13.0	78.1	16.7	14.1	84.5	7.78	50 - 115	40	
delta-BHC	16.7	14.3	85.6	16.7	15.5	92.8	7.98	50 - 125	40	
gamma-BHC (Lindane)	16.7	14.4	86.7	16.7	15.8	94.8	8.95	50 - 120	40	
Heptachlor	16.7	14.5	86.9	16.7	15.8	94.5	8.35	50 - 120	40	
Aldrin	16.7	14.5	87.1	16.7	15.7	94.3	7.91	45 - 140	40	
Heptachlor epoxide	16.7	14.0	84.2	16.7	15.2	91.1	7.93	55 - 120	40	
Endosulfan I	16.7	12.3	73.8	16.7	13.4	80.3	8.43	40 - 120	40	
Dieldrin	16.7	14.4	86.2	16.7	15.4	92.2	6.74	55 - 125	40	
4,4'-DDE	16.7	14.8	88.8	16.7	15.6	93.7	5.46	55 - 130	40	
Endrin	16.7	15.1	90.5	16.7	16.3	97.5	7.46	60 - 135	40	
Endosulfan II	16.7	12.5	75.2	16.7	13.3	80.0	6.20	20 - 115	40	
4,4'-DDD	16.7	14.2	85.2	16.7	15.1	90.3	5.78	50 - 140	40	
Endosulfan sulfate	16.7	13.1	78.8	16.7	14.4	86.2	8.87	20 - 150	40	
4,4'-DDT	16.7	15.3	91.8	16.7	16.7	100	8.61	45 - 140	40	
Methoxychlor	16.7	15.4	92.5	16.7	17.0	102	9.69	45 - 150	40	
Endrin ketone	16.7	13.1	78.7	16.7	14.2	85.1	7.83	30 - 130	40	
Endrin aldehyde	16.7	11.3	67.8	16.7	12.4	74.2	8.98	20 - 120	40	
alpha Chlordane	16.7	14.0	83.8	16.7	15.0	89.8	6.90	50 - 125	40	
gamma Chlordane	16.7	14.1	84.6	16.7	15.1	90.7	6.91	50 - 125	40	

Surogates	LCS	LCS2	Surrogate Limits	Qualifier
	% Recovery	% Recovery		
Decachlorobiphenyl	84.4	90.0	33 - 143	PASS
2,4,5,6-Tetrachloro-m-xylene	72.1	79.0	39 - 130	PASS

* FAILS %REC LIMIT

\# FAILS RPD LIMIT

KEMRON FORMS - Modified 01/03/2005
Version 1.5 PDF File ID: 337920
Report generated 10/21/2005 09:43

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264
Analytical Method: 8081A
ICAL Workgroup: WG197792

Instrument ID: HP15
Initial Calibration Date: 03-OCT-05

Analyte		AVG RF	% RSD	R2	QUAD
4,4'-DDD		13220000	6.71		
4,4'-DDE		16700000	7.90		
4,4'-DDT		12940000	6.92		
Aldrin		17720000	7.49		
Dieldrin		16490000	6.28		
Endosulfan I		15930000	2.77		
Endosulfan II		13630000	4.65		
Endosulfan Sulfate		10860000	9.97		
Endrin		13760000	5.61		
Endrin Aldehyde		10690000	5.24		
Endrin Ketone		12870000	8.08		
Heptachlor		19350000	5.59		
Heptachlor Epoxide		17230000	1.83		
Methoxychlor		6574000	6.36		
alpha-BHC		21510000	14.7		
alpha-Chlordane		17080000	3.54		
beta-BHC		9271000	2.93		
delta-BHC		19780000	15.6		
gamma-BHC		19940000	12.3		
gamma-Chlordane		17320000	4.37		

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KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264
Analytical Method: 8081A
ICAL Workgroup: WG197792

Instrument ID: HP15
Initial Calibration Date: 03-OCT-05

Analyte		AVG RF	% RSD	R2	QUAD
4,4'-DDD		10930000	6.19		
4,4'-DDE		14260000	7.07		
4,4'-DDT		9432000	17.1		
Aldrin		16800000	7.34		
Dieldrin		14590000	6.00		
Endosulfan I		14550000	4.16		
Endosulfan II		11780000	4.56		
Endosulfan Sulfate		9987000	6.34		
Endrin		12800000	5.91		
Endrin Aldehyde		9187000	11.7		
Endrin Ketone		10780000	6.32		
Heptachlor		18570000	4.81		
Heptachlor Epoxide		16290000	5.02		
Methoxychlor		5316000	6.36		
alpha-BHC		22740000	11.5		
alpha-Chlordane		15320000	4.86		
beta-BHC		9107000	3.34		
delta-BHC		19570000	11.2		
gamma-BHC		20350000	9.25		
gamma-Chlordane		15600000	4.66		

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264
Analytical Method: 8081A
ICAL Workgroup: WG198574

Instrument ID: HP9
Initial Calibration Date: 13-OCT-05

Analyte		AVG RF	% RSD	R2	QUAD
4,4'-DDD		5363000	13.9		
4,4'-DDE		6768000	14.3		
4,4'-DDT		5667000	9.40		
Aldrin		8036000	9.09		
Dieldrin		7367000	9.10		
Endosulfan I		7176000	4.74		
Endosulfan II		6123000	5.29		
Endosulfan Sulfate		4353000	8.40		
Endrin		5366000	9.42		
Endrin Aldehyde		5031000	2.71		
Endrin Ketone		6622000	3.11		
Heptachlor		8478000	7.02		
Heptachlor Epoxide		7831000	4.80		
Methoxychlor		2872000	3.82		
alpha-BHC		10220000	16.8		
alpha-Chlordane		7686000	5.23		
beta-BHC		4310000	2.69		
delta-BHC		8867000	18.7		
gamma-BHC		9510000	13.7		
gamma-Chlordane		7723000	6.86		

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264
Analytical Method: 8081A
ICAL Workgroup: WG198574

Instrument ID: HP9
Initial Calibration Date: 13-OCT-05

Analyte		AVG RF	% RSD	R2	QUAD
4,4'-DDD		6865000	5.35		
4,4'-DDE		8172000	8.61		
4,4'-DDT		5922000	10.8		
Aldrin		9141000	6.49		
Dieldrin		8472000	6.48		
Endosulfan I		8102000	3.60		
Endosulfan II		7367000	3.28		
Endosulfan Sulfate		6366000	3.74		
Endrin		6821000	4.30		
Endrin Aldehyde		6104000	10.3		
Endrin Ketone		7759000	2.61		
Heptachlor		9850000	4.82		
Heptachlor Epoxide		8915000	3.00		
Methoxychlor		3244000	3.22		
alpha-BHC		11660000	13.5		
alpha-Chlordane		8898000	3.56		
beta-BHC		5158000	5.45		
delta-BHC		10960000	12.1		
gamma-BHC		10920000	9.42		
gamma-Chlordane		8919000	5.17		

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 **Instrument ID:** HP15

Analytical Method: 8081A **Initial Calibration Date:** 03-OCT-05

Analyte	WG197792-01			WG197792-02		
	CONC	RESP	RF	CONC	RESP	RF
4,4'-DDD	200	2820449393	14100000	100	1429130268	14290000
4,4'-DDE	200	3529140943	17650000	100	1815095442	18150000
4,4'-DDT	200	2758628221	13790000	100	1400897656	14010000
Aldrin	200	3775583528	18880000	100	1926081816	19260000
Dieldrin	200	3456025642	17280000	100	1768172744	17680000
Endosulfan I	200	3204674015	16020000	100	1651809837	16520000
Endosulfan II	200	2805970513	14030000	100	1431298096	14310000
Endosulfan Sulfate	200	2231484834	11160000	100	1101237756	11010000
Endrin	200	2892068097	14460000	100	1468046516	14680000
Endrin Aldehyde	200	2131129297	10660000	100	1062190155	10620000
Endrin Ketone	200	2691077181	13460000	100	1341964813	13420000
Heptachlor	200	4001453200	20010000	100	2064218928	20640000
Heptachlor Epoxide	200	3404916672	17020000	100	1765623960	17660000
Methoxychlor	200	1307727625	6539000	100	646424141	6464000
alpha-BHC	200	4951060801	24760000	100	2485777208	24860000
alpha-Chlordane	200	3519015417	17600000	100	1787830618	17880000
beta-BHC	200	1886835667	9434000	100	923066464	9231000
delta-BHC	200	4587723907	22940000	100	2285314322	22850000
gamma-BHC	200	4479004417	22400000	100	2247415490	22470000
gamma-Chlordane	200	3609826240	18050000	100	1826671043	18270000

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 **Instrument ID:** HP15

Analytical Method: 8081A **Initial Calibration Date:** 03-OCT-05

Analyte	WG197792-03			WG197792-04		
	CONC	RESP	RF	CONC	RESP	RF
4,4'-DDD	50.0	695175570	13900000	20.0	260709766	13040000
4,4'-DDE	50.0	883774113	17680000	20.0	336109919	16810000
4,4'-DDT	50.0	675996054	13520000	20.0	257950567	12900000
Aldrin	50.0	943935900	18880000	20.0	352740016	17640000
Dieldrin	50.0	872549535	17450000	20.0	328858144	16440000
Endosulfan I	50.0	822234726	16440000	20.0	317096514	15850000
Endosulfan II	50.0	703474150	14070000	20.0	273832553	13690000
Endosulfan Sulfate	50.0	534925814	10700000	20.0	175292453	8765000
Endrin	50.0	721092720	14420000	20.0	272229738	13610000
Endrin Aldehyde	50.0	526334198	10530000	20.0	196771930	9839000
Endrin Ketone	50.0	649356120	12990000	20.0	212336891	10620000
Heptachlor	50.0	1021848784	20440000	20.0	387321680	19370000
Heptachlor Epoxide	50.0	883821254	17680000	20.0	342847825	17140000
Methoxychlor	50.0	325544471	6511000	20.0	115277792	5764000
alpha-BHC	50.0	1192309284	23850000	20.0	432120488	21610000
alpha-Chlordane	50.0	878809511	17580000	20.0	337138560	16860000
beta-BHC	50.0	457070224	9141000	20.0	178788956	8939000
delta-BHC	50.0	1095397254	21910000	20.0	403712755	20190000
gamma-BHC	50.0	1087072102	21740000	20.0	400781337	20040000
gamma-Chlordane	50.0	893102826	17860000	20.0	339016976	16950000

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 **Instrument ID:** HP15

Analytical Method: 8081A **Initial Calibration Date:** 03-OCT-05

Analyte	WG197792-05			WG197792-06		
	CONC	RESP	RF	CONC	RESP	RF
4,4'-DDD	10.0	127401321	12740000	4.00	48154368	12040000
4,4'-DDE	10.0	164590615	16460000	4.00	63366056	15840000
4,4'-DDT	10.0	126762533	12680000	4.00	48400220	12100000
Aldrin	10.0	171230184	17120000	4.00	64266872	16070000
Dieldrin	10.0	161280604	16130000	4.00	61338043	15330000
Endosulfan I	10.0	158165559	15820000	4.00	62240723	15560000
Endosulfan II	10.0	137309759	13730000	4.00	52084684	13020000
Endosulfan Sulfate	10.0	107970240	10800000	4.00	44688364	11170000
Endrin	10.0	134272587	13430000	4.00	51615791	12900000
Endrin Aldehyde	10.0	106900376	10690000	4.00	43096472	10770000
Endrin Ketone	10.0	128247975	12820000	4.00	52321063	13080000
Heptachlor	10.0	189722876	18970000	4.00	72766344	18190000
Heptachlor Epoxide	10.0	171433579	17140000	4.00	67418748	16850000
Methoxychlor	10.0	67724636	6772000	4.00	27986584	6997000
alpha-BHC	10.0	202018080	20200000	4.00	73204760	18300000
alpha-Chlordane	10.0	168329827	16830000	4.00	66191684	16550000
beta-BHC	10.0	91370624	9137000	4.00	36916871	9229000
delta-BHC	10.0	186700255	18670000	4.00	68110804	17030000
gamma-BHC	10.0	192980512	19300000	4.00	69912824	17480000
gamma-Chlordane	10.0	167497256	16750000	4.00	64851340	16210000

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 **Instrument ID:** HP15

Analytical Method: 8081A **Initial Calibration Date:** 03-OCT-05

Analyte	WG197792-07		
	CONC	RESP	RF
4,4'-DDD	1.00	12403662	12400000
4,4'-DDE	1.00	14313097	14310000
4,4'-DDT	1.00	11589476	11590000
Aldrin	1.00	16165456	16170000
Dieldrin	1.00	15077606	15080000
Endosulfan I	1.00	15303980	15300000
Endosulfan II	1.00	12531896	12530000
Endosulfan Sulfate	1.00	12411036	12410000
Endrin	1.00	12796736	12800000
Endrin Aldehyde	1.00	11748254	11750000
Endrin Ketone	1.00	13714567	13710000
Heptachlor	1.00	17848635	17850000
Heptachlor Epoxide	1.00	17089024	17090000
Methoxychlor	1.00	6970832	6971000
alpha-BHC	1.00	16969716	16970000
alpha-Chlordane	1.00	16275876	16280000
beta-BHC	1.00	9788348	9788000
delta-BHC	1.00	14876089	14880000
gamma-BHC	1.00	16183811	16180000
gamma-Chlordane	1.00	17150720	17150000

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 **Instrument ID:** HP15

Analytical Method: 8081A **Initial Calibration Date:** 03-OCT-05

Analyte	WG197792-01			WG197792-02		
	CONC	RESP	RF	CONC	RESP	RF
4,4'-DDD	200	2395910880	11980000	100	1166856492	11670000
4,4'-DDE	200	3127852284	15640000	100	1548122472	15480000
4,4'-DDT	200	2268894296	11340000	100	1100728904	11010000
Aldrin	200	3661501056	18310000	100	1838441008	18380000
Dieldrin	200	3151003632	15760000	100	1562902860	15630000
Endosulfan I	200	2989379994	14950000	100	1499363127	14990000
Endosulfan II	200	2474341461	12370000	100	1216443216	12160000
Endosulfan Sulfate	200	2059405772	10300000	100	1004833752	10050000
Endrin	200	2766525920	13830000	100	1364475008	13640000
Endrin Aldehyde	200	1806094886	9030000	100	877222484	8772000
Endrin Ketone	200	2364736206	11820000	100	1151916218	11520000
Heptachlor	200	3909419944	19550000	100	1980747184	19810000
Heptachlor Epoxide	200	3290282614	16450000	100	1656702592	16570000
Methoxychlor	200	1068242352	5341000	100	519259536	5193000
alpha-BHC	200	5101205187	25510000	100	2572293794	25720000
alpha-Chlordane	200	3104553260	15520000	100	1568554254	15690000
beta-BHC	200	1846026621	9230000	100	912130103	9121000
delta-BHC	200	4449924886	22250000	100	2201481027	22010000
gamma-BHC	200	4486093709	22430000	100	2255944296	22560000
gamma-Chlordane	200	3277309128	16390000	100	1629162708	16290000

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 **Instrument ID:** HP15

Analytical Method: 8081A **Initial Calibration Date:** 03-OCT-05

Analyte	WG197792-03			WG197792-04		
	CONC	RESP	RF	CONC	RESP	RF
4,4'-DDD	50.0	542714200	10850000	20.0	209712280	10490000
4,4'-DDE	50.0	721540456	14430000	20.0	277481275	13870000
4,4'-DDT	50.0	504734133	10090000	20.0	191769567	9588000
Aldrin	50.0	864699781	17290000	20.0	334342270	16720000
Dieldrin	50.0	730591325	14610000	20.0	282852720	14140000
Endosulfan I	50.0	711686239	14230000	20.0	282647581	14130000
Endosulfan II	50.0	572342796	11450000	20.0	226677040	11330000
Endosulfan Sulfate	50.0	472697246	9454000	20.0	189489134	9474000
Endrin	50.0	633962918	12680000	20.0	245728788	12290000
Endrin Aldehyde	50.0	418750767	8375000	20.0	173066528	8653000
Endrin Ketone	50.0	540846397	10820000	20.0	208331566	10420000
Heptachlor	50.0	945599818	18910000	20.0	365553316	18280000
Heptachlor Epoxide	50.0	790987139	15820000	20.0	315365142	15770000
Methoxychlor	50.0	248363940	4967000	20.0	101874034	5094000
alpha-BHC	50.0	1218559609	24370000	20.0	461896202	23090000
alpha-Chlordane	50.0	742558996	14850000	20.0	295890226	14790000
beta-BHC	50.0	441005517	8820000	20.0	179602478	8980000
delta-BHC	50.0	1037978187	20760000	20.0	391622072	19580000
gamma-BHC	50.0	1070700609	21410000	20.0	411474450	20570000
gamma-Chlordane	50.0	767213996	15340000	20.0	302000320	15100000

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 **Instrument ID:** HP15

Analytical Method: 8081A **Initial Calibration Date:** 03-OCT-05

Analyte	WG197792-05			WG197792-06		
	CONC	RESP	RF	CONC	RESP	RF
4,4'-DDD	10.0	101181396	10120000	4.00	43756784	10940000
4,4'-DDE	10.0	129947666	12990000	4.00	53301264	13330000
4,4'-DDT	10.0	89278692	8928000	4.00	33517692	8379000
Aldrin	10.0	155509382	15550000	4.00	62109620	15530000
Dieldrin	10.0	134056549	13410000	4.00	55422623	13860000
Endosulfan I	10.0	136415744	13640000	4.00	57993074	14500000
Endosulfan II	10.0	110244696	11020000	4.00	47016788	11750000
Endosulfan Sulfate	10.0	93664349	9366000	4.00	40476001	10120000
Endrin	10.0	116664037	11670000	4.00	50170890	12540000
Endrin Aldehyde	10.0	85338490	8534000	4.00	37874865	9469000
Endrin Ketone	10.0	99647322	9965000	4.00	42869518	10720000
Heptachlor	10.0	178497238	17850000	4.00	72902915	18230000
Heptachlor Epoxide	10.0	152886507	15290000	4.00	65204125	16300000
Methoxychlor	10.0	51171105	5117000	4.00	22177556	5544000
alpha-BHC	10.0	210141064	21010000	4.00	81321632	20330000
alpha-Chlordane	10.0	143609761	14360000	4.00	61465720	15370000
beta-BHC	10.0	87575872	8758000	4.00	36697200	9174000
delta-BHC	10.0	180221950	18020000	4.00	70325968	17580000
gamma-BHC	10.0	189655927	18970000	4.00	74597709	18650000
gamma-Chlordane	10.0	145189670	14520000	4.00	61018542	15250000

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 Instrument ID: HP15

Analytical Method: 8081A Initial Calibration Date: 03-OCT-05

Analyte	WG197792-07		
	CONC	RESP	RF
4,4'-DDD	1.00	10445083	10450000
4,4'-DDE	1.00	14048269	14050000
4,4'-DDT	1.00	6681493	6681000
Aldrin	1.00	15839993	15840000
Dieldrin	1.00	14747478	14750000
Endosulfan I	1.00	15410007	15410000
Endosulfan II	1.00	12370336	12370000
Endosulfan Sulfate	1.00	11152091	11150000
Endrin	1.00	12962088	12960000
Endrin Aldehyde	1.00	11475279	11480000
Endrin Ketone	1.00	10188690	10190000
Heptachlor	1.00	17361336	17360000
Heptachlor Epoxide	1.00	17841498	17840000
Methoxychlor	1.00	5954136	5954000
alpha-BHC	1.00	19175044	19180000
alpha-Chlordane	1.00	16638553	16640000
beta-BHC	1.00	9667449	9667000
delta-BHC	1.00	16749693	16750000
gamma-BHC	1.00	17890770	17890000
gamma-Chlordane	1.00	16284412	16280000

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 **Instrument ID:** HP9

Analytical Method: 8081A **Initial Calibration Date:** 13-OCT-05

Analyte	WG198574-01			WG198574-02		
	CONC	RESP	RF	CONC	RESP	RF
4,4'-DDD	200	1233811389	6169000	100	588943445	5889000
4,4'-DDE	200	1559169419	7796000	100	745536061	7455000
4,4'-DDT	200	1243609104	6218000	100	600434851	6004000
Aldrin	200	1745640084	8728000	100	853942552	8539000
Dieldrin	200	1609639158	8048000	100	775143056	7751000
Endosulfan I	200	1488259984	7441000	100	725632321	7256000
Endosulfan II	200	1291959603	6460000	100	624710251	6247000
Endosulfan Sulfate	200	969907222	4850000	100	452723591	4527000
Endrin	200	1186003660	5930000	100	561976081	5620000
Endrin Aldehyde	200	1031050344	5155000	100	494825736	4948000
Endrin Ketone	200	1354356046	6772000	100	657817404	6578000
Heptachlor	200	1813227152	9066000	100	884896128	8849000
Heptachlor Epoxide	200	1619666866	8098000	100	793081240	7931000
Methoxychlor	200	586267047	2931000	100	281431967	2814000
alpha-BHC	200	2419604678	12100000	100	1165928400	11660000
alpha-Chlordane	200	1616131417	8081000	100	779461962	7795000
beta-BHC	200	876247531	4381000	100	417020869	4170000
delta-BHC	200	2145443719	10730000	100	1010432898	10100000
gamma-BHC	200	2177072505	10890000	100	1049051979	10490000
gamma-Chlordane	200	1660693147	8303000	100	798083760	7981000

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 **Instrument ID:** HP9

Analytical Method: 8081A **Initial Calibration Date:** 13-OCT-05

Analyte	WG198574-03			WG198574-04		
	CONC	RESP	RF	CONC	RESP	RF
4,4'-DDD	50.0	308533181	6171000	20.0	105526270	5276000
4,4'-DDE	50.0	395178635	7904000	20.0	132514363	6626000
4,4'-DDT	50.0	318964657	6379000	20.0	109749198	5487000
Aldrin	50.0	449454952	8989000	20.0	157731083	7887000
Dieldrin	50.0	413781076	8276000	20.0	143425352	7171000
Endosulfan I	50.0	389287978	7786000	20.0	138885666	6944000
Endosulfan II	50.0	331233895	6625000	20.0	118113250	5906000
Endosulfan Sulfate	50.0	238172641	4763000	20.0	83617452	4181000
Endrin	50.0	300980457	6020000	20.0	105121668	5256000
Endrin Aldehyde	50.0	262793508	5256000	20.0	97520728	4876000
Endrin Ketone	50.0	350623754	7012000	20.0	127950800	6398000
Heptachlor	50.0	465602207	9312000	20.0	165129406	8256000
Heptachlor Epoxide	50.0	425310804	8506000	20.0	152664498	7633000
Methoxychlor	50.0	152915113	3058000	20.0	57159282	2858000
alpha-BHC	50.0	594345717	11890000	20.0	202616180	10130000
alpha-Chlordane	50.0	417464702	8349000	20.0	148134777	7407000
beta-BHC	50.0	224924366	4498000	20.0	84013919	4201000
delta-BHC	50.0	527331238	10550000	20.0	172270552	8614000
gamma-BHC	50.0	542340750	10850000	20.0	188950901	9448000
gamma-Chlordane	50.0	424154405	8483000	20.0	148931180	7447000

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 **Instrument ID:** HP9

Analytical Method: 8081A **Initial Calibration Date:** 13-OCT-05

Analyte	WG198574-05			WG198574-06		
	CONC	RESP	RF	CONC	RESP	RF
4,4'-DDD	10.0	50859737	5086000	4.00	18789018	4697000
4,4'-DDE	10.0	63170986	6317000	4.00	23008794	5752000
4,4'-DDT	10.0	54065464	5407000	4.00	20434504	5109000
Aldrin	10.0	77337075	7734000	4.00	29040649	7260000
Dieldrin	10.0	70975011	7098000	4.00	26745450	6686000
Endosulfan I	10.0	70382902	7038000	4.00	27446035	6862000
Endosulfan II	10.0	59806092	5981000	4.00	23343931	5836000
Endosulfan Sulfate	10.0	41971068	4197000	4.00	16314908	4079000
Endrin	10.0	51412280	5141000	4.00	19514826	4879000
Endrin Aldehyde	10.0	50575841	5058000	4.00	20021078	5005000
Endrin Ketone	10.0	65744638	6574000	4.00	26104747	6526000
Heptachlor	10.0	81733025	8173000	4.00	31402880	7851000
Heptachlor Epoxide	10.0	77035846	7704000	4.00	29849914	7462000
Methoxychlor	10.0	29076879	2908000	4.00	11292430	2823000
alpha-BHC	10.0	95112717	9511000	4.00	33767735	8442000
alpha-Chlordane	10.0	74866300	7487000	4.00	29549663	7387000
beta-BHC	10.0	43803117	4380000	4.00	17155673	4289000
delta-BHC	10.0	84032506	8403000	4.00	28561115	7140000
gamma-BHC	10.0	90895338	9090000	4.00	33097401	8274000
gamma-Chlordane	10.0	74522670	7452000	4.00	28782111	7196000

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 Instrument ID: HP9

Analytical Method: 8081A Initial Calibration Date: 13-OCT-05

Analyte	WG198574-07		
	CONC	RESP	RF
4,4'-DDD	1.00	4253735	4254000
4,4'-DDE	1.00	5523891	5524000
4,4'-DDT	1.00	5063144	5063000
Aldrin	1.00	7117455	7117000
Dieldrin	1.00	6538952	6539000
Endosulfan I	1.00	6902085	6902000
Endosulfan II	1.00	5808392	5808000
Endosulfan Sulfate	1.00	3875515	3876000
Endrin	1.00	4714520	4715000
Endrin Aldehyde	1.00	4917422	4917000
Endrin Ketone	1.00	6495072	6495000
Heptachlor	1.00	7835408	7835000
Heptachlor Epoxide	1.00	7485494	7485000
Methoxychlor	1.00	2708520	2709000
alpha-BHC	1.00	7842080	7842000
alpha-Chlordane	1.00	7294475	7294000
beta-BHC	1.00	4253026	4253000
delta-BHC	1.00	6536955	6537000
gamma-BHC	1.00	7538088	7538000
gamma-Chlordane	1.00	7196601	7197000

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 **Instrument ID:** HP9

Analytical Method: 8081A **Initial Calibration Date:** 13-OCT-05

Analyte	WG198574-01			WG198574-02		
	CONC	RESP	RF	CONC	RESP	RF
4,4'-DDD	200	1429486376	7147000	100	720356352	7204000
4,4'-DDE	200	1760476224	8802000	100	888395653	8884000
4,4'-DDT	200	1319372112	6597000	100	653955436	6540000
Aldrin	200	1910316402	9552000	100	975164510	9752000
Dieldrin	200	1788612359	8943000	100	904207078	9042000
Endosulfan I	200	1604365558	8022000	100	830521984	8305000
Endosulfan II	200	1471021904	7355000	100	743870880	7439000
Endosulfan Sulfate	200	1272648766	6363000	100	636500320	6365000
Endrin	200	1406373016	7032000	100	714064991	7141000
Endrin Aldehyde	200	1145203886	5726000	100	578751864	5788000
Endrin Ketone	200	1526692020	7633000	100	780242952	7802000
Heptachlor	200	2016944757	10080000	100	1034399977	10340000
Heptachlor Epoxide	200	1774781264	8874000	100	907840152	9078000
Methoxychlor	200	624629258	3123000	100	317802854	3178000
alpha-BHC	200	2636226762	13180000	100	1326414181	13260000
alpha-Chlordane	200	1810477142	9052000	100	912517012	9125000
beta-BHC	200	996560168	4983000	100	495638836	4956000
delta-BHC	200	2453602733	12270000	100	1228174164	12280000
gamma-BHC	200	2367113226	11840000	100	1195542196	11960000
gamma-Chlordane	200	1867403762	9337000	100	936902856	9369000

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 **Instrument ID:** HP9

Analytical Method: 8081A **Initial Calibration Date:** 13-OCT-05

Analyte	WG198574-03			WG198574-04		
	CONC	RESP	RF	CONC	RESP	RF
4,4'-DDD	50.0	368088688	7362000	20.0	134530568	6727000
4,4'-DDE	50.0	448474484	8969000	20.0	160748524	8037000
4,4'-DDT	50.0	327750779	6555000	20.0	116233884	5812000
Aldrin	50.0	494392520	9888000	20.0	181377540	9069000
Dieldrin	50.0	456296627	9126000	20.0	165672650	8284000
Endosulfan I	50.0	404811348	8096000	20.0	156079876	7804000
Endosulfan II	50.0	381894608	7638000	20.0	142431744	7122000
Endosulfan Sulfate	50.0	324600171	6492000	20.0	121822696	6091000
Endrin	50.0	354854520	7097000	20.0	132782053	6639000
Endrin Aldehyde	50.0	292737677	5855000	20.0	115661764	5783000
Endrin Ketone	50.0	401787434	8036000	20.0	150146171	7507000
Heptachlor	50.0	525440537	10510000	20.0	193781881	9689000
Heptachlor Epoxide	50.0	463982648	9280000	20.0	174421352	8721000
Methoxychlor	50.0	165403960	3308000	20.0	63125124	3156000
alpha-BHC	50.0	655519196	13110000	20.0	231990076	11600000
alpha-Chlordane	50.0	463264756	9265000	20.0	171970292	8599000
beta-BHC	50.0	253245484	5065000	20.0	98748800	4937000
delta-BHC	50.0	610229028	12200000	20.0	218660363	10930000
gamma-BHC	50.0	597744374	11950000	20.0	218539064	10930000
gamma-Chlordane	50.0	473301252	9466000	20.0	173220392	8661000

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 **Instrument ID:** HP9

Analytical Method: 8081A **Initial Calibration Date:** 13-OCT-05

Analyte	WG198574-05			WG198574-06		
	CONC	RESP	RF	CONC	RESP	RF
4,4'-DDD	10.0	65958035	6596000	4.00	25608354	6402000
4,4'-DDE	10.0	76960708	7696000	4.00	29379949	7345000
4,4'-DDT	10.0	55575786	5558000	4.00	21358928	5340000
Aldrin	10.0	86717147	8672000	4.00	33621898	8405000
Dieldrin	10.0	80186124	8019000	4.00	31230808	7808000
Endosulfan I	10.0	78651294	7865000	4.00	31892126	7973000
Endosulfan II	10.0	71281096	7128000	4.00	28704772	7176000
Endosulfan Sulfate	10.0	61529056	6153000	4.00	25142923	6286000
Endrin	10.0	65135812	6514000	4.00	25683939	6421000
Endrin Aldehyde	10.0	59197372	5920000	4.00	24702677	6176000
Endrin Ketone	10.0	76428308	7643000	4.00	30683245	7671000
Heptachlor	10.0	93681351	9368000	4.00	37084124	9271000
Heptachlor Epoxide	10.0	86315991	8632000	4.00	34545134	8636000
Methoxychlor	10.0	32556825	3256000	4.00	13019227	3255000
alpha-BHC	10.0	108759640	10880000	4.00	40029311	10010000
alpha-Chlordane	10.0	85151524	8515000	4.00	34340874	8585000
beta-BHC	10.0	51281744	5128000	4.00	21249400	5312000
delta-BHC	10.0	102910465	10290000	4.00	38170132	9543000
gamma-BHC	10.0	103979364	10400000	4.00	39490536	9873000
gamma-Chlordane	10.0	84280040	8428000	4.00	33598152	8400000

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 Instrument ID: HP9

Analytical Method: 8081A Initial Calibration Date: 13-OCT-05

Analyte	WG198574-07		
	CONC	RESP	RF
4,4'-DDD	1.00	6616308	6616000
4,4'-DDE	1.00	7466245	7466000
4,4'-DDT	1.00	5055252	5055000
Aldrin	1.00	8647984	8648000
Dieldrin	1.00	8083318	8083000
Endosulfan I	1.00	8650836	8651000
Endosulfan II	1.00	7709966	7710000
Endosulfan Sulfate	1.00	6808651	6809000
Endrin	1.00	6900575	6901000
Endrin Aldehyde	1.00	7484668	7485000
Endrin Ketone	1.00	8017076	8017000
Heptachlor	1.00	9685905	9686000
Heptachlor Epoxide	1.00	9185525	9186000
Methoxychlor	1.00	3429593	3430000
alpha-BHC	1.00	9549016	9549000
alpha-Chlordane	1.00	9140860	9141000
beta-BHC	1.00	5725008	5725000
delta-BHC	1.00	9210292	9210000
gamma-BHC	1.00	9503852	9504000
gamma-Chlordane	1.00	8775543	8776000

KEMRON Environmental Services

ALTERNATE SOURCE CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/03/2005 Sample ID: WG197792-08
Instrument ID: HP15 Run Time: 18:47 Method: 8081A
File ID: 15G3263.F Analyst: ECL
ICal Workgroup: WG197792 Cal ID: HP15 - 03-OCT-05

Analyte		Expected	Found	RF	%D	UNITS	Q
alpha-BHC		20	19.6	21100000	1.9	ug/L	
beta-BHC		20	18.8	8710000	6	ug/L	
delta-BHC		20	18.6	18400000	7	ug/L	
gamma-BHC		20	19.7	19700000	1.4	ug/L	
Heptachlor		20	19.7	19100000	1.5	ug/L	
Aldrin		20	20.3	18000000	1.6	ug/L	
Heptachlor Epoxide		20	19.7	17000000	1.5	ug/L	
Endosulfan I		20	19.6	15600000	1.9	ug/L	
Dieldrin		20	20.3	16800000	1.7	ug/L	
4,4'-DDE		20	20.0	16700000	.2	ug/L	
Endrin		20	19.2	13200000	4.1	ug/L	
Endosulfan II		20	19.8	13500000	1.1	ug/L	
4,4'-DDD		20	19.9	13200000	.3	ug/L	
Endosulfan Sulfate		20	19.4	10500000	3.2	ug/L	
4,4'-DDT		20	19.2	12400000	4	ug/L	
Methoxychlor		20	19.2	6310000	4.1	ug/L	
Endrin Ketone		20	19.2	12400000	4	ug/L	
Endrin Aldehyde		20	18.6	9960000	6.9	ug/L	
alpha-Chlordane		20	19.5	16700000	2.3	ug/L	
gamma-Chlordane		20	19.9	17200000	.5	ug/L	

* Exceeds %D Limit

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KEMRON Environmental Services

ALTERNATE SOURCE CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/03/2005 Sample ID: WG197792-08
Instrument ID: HP15 Run Time: 19:15 Method: 8081A
File ID: 15G3263.R Analyst: ECL
ICal Workgroup: WG197792 Cal ID: HP15 - 03-OCT-05

Analyte		Expected	Found	RF	%D	UNITS	Q
alpha-BHC		20	19.7	22400000	1.7	ug/L	
beta-BHC		20	19.0	8660000	4.9	ug/L	
delta-BHC		20	18.2	17800000	8.9	ug/L	
gamma-BHC		20	19.7	20100000	1.4	ug/L	
Heptachlor		20	19.6	18200000	1.9	ug/L	
Aldrin		20	19.9	16800000	.3	ug/L	
Heptachlor Epoxide		20	18.9	15400000	5.4	ug/L	
Endosulfan I		20	18.9	13700000	5.7	ug/L	
Dieldrin		20	19.4	14200000	3	ug/L	
4,4'-DDE		20	19.1	13600000	4.7	ug/L	
Endrin		20	18.3	11700000	8.4	ug/L	
Endosulfan II		20	18.6	11000000	6.9	ug/L	
4,4'-DDD		20	18.9	10300000	5.4	ug/L	
Endosulfan Sulfate		20	18.0	9010000	9.8	ug/L	
4,4'-DDT		20	19.5	9180000	2.7	ug/L	
Methoxychlor		20	18.1	4810000	9.5	ug/L	
Endrin Ketone		20	17.9	9670000	10.3	ug/L	
Endrin Aldehyde		20	18.2	8350000	9.1	ug/L	
alpha-Chlordane		20	18.9	14500000	5.5	ug/L	
gamma-Chlordane		20	19.5	15200000	2.6	ug/L	

* Exceeds %D Limit

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Version 1.5 PDF File ID: 340327
Report generated 10/21/2005 09:45

KEMRON Environmental Services

ALTERNATE SOURCE CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/13/2005 Sample ID: WG198574-08
Instrument ID: HP9 Run Time: 21:39 Method: 8081A
File ID: 9G32639.F Analyst: ECL
ICal Workgroup: WG198574 Cal ID: HP9 - 13-OCT-05

Analyte		Expected	Found	RF	%D	UNITS	Q
alpha-BHC		20	18.1	9250000	9.6	ug/L	
beta-BHC		20	18.0	3880000	10	ug/L	
delta-BHC		20	17.1	7570000	14.6	ug/L	
gamma-BHC		20	18.1	8600000	9.6	ug/L	
Heptachlor		20	17.9	7600000	10.3	ug/L	
Aldrin		20	18.7	7520000	6.4	ug/L	
Heptachlor Epoxide		20	17.9	7020000	10.3	ug/L	
Endosulfan I		20	17.8	6390000	11	ug/L	
Dieldrin		20	18.3	6740000	8.5	ug/L	
4,4'-DDE		20	17.7	6000000	11.3	ug/L	
Endrin		20	17.1	4600000	14.3	ug/L	
Endosulfan II		20	17.6	5390000	11.9	ug/L	
4,4'-DDD		20	18.0	4820000	10.1	ug/L	
Endosulfan Sulfate		20	17.2	3740000	14	ug/L	
4,4'-DDT		20	17.4	4920000	13.2	ug/L	
Methoxychlor		20	17.7	2540000	11.7	ug/L	
Endrin Ketone		20	17.3	5730000	13.5	ug/L	
Endrin Aldehyde		20	17.7	4440000	11.6	ug/L	
alpha-Chlordane		20	17.8	6830000	11.1	ug/L	
gamma-Chlordane		20	18.2	7040000	8.9	ug/L	

* Exceeds %D Limit

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Version 1.5 PDF File ID: 340327
Report generated 10/21/2005 09:45

KEMRON Environmental Services

ALTERNATE SOURCE CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/13/2005 Sample ID: WG198574-08
Instrument ID: HP9 Run Time: 22:07 Method: 8081A
File ID: 9G32639.R Analyst: ECL
ICal Workgroup: WG198574 Cal ID: HP9 - 13-OCT-05

Analyte		Expected	Found	RF	%D	UNITS	Q
alpha-BHC		20	18.7	10900000	6.4	ug/L	
beta-BHC		20	17.8	4600000	10.8	ug/L	
delta-BHC		20	17.3	9500000	13.3	ug/L	
gamma-BHC		20	18.6	10100000	7.1	ug/L	
Heptachlor		20	18.4	9080000	7.8	ug/L	
Aldrin		20	19.2	8760000	4.2	ug/L	
Heptachlor Epoxide		20	18.3	8150000	8.6	ug/L	
Endosulfan I		20	18.2	7390000	8.8	ug/L	
Dieldrin		20	19.0	8040000	5.1	ug/L	
4,4'-DDE		20	18.5	7560000	7.5	ug/L	
Endrin		20	17.4	5930000	13.1	ug/L	
Endosulfan II		20	18.1	6660000	9.6	ug/L	
4,4'-DDD		20	18.5	6360000	7.4	ug/L	
Endosulfan Sulfate		20	17.8	5660000	11.1	ug/L	
4,4'-DDT		20	18.1	5360000	9.6	ug/L	
Methoxychlor		20	17.7	2860000	11.7	ug/L	
Endrin Ketone		20	17.7	6860000	11.6	ug/L	
Endrin Aldehyde		20	17.0	5200000	14.8	ug/L	
alpha-Chlordane		20	18.2	8100000	8.9	ug/L	
gamma-Chlordane		20	18.8	8380000	6	ug/L	

* Exceeds %D Limit

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KEMRON Environmental Services

CONTINUING CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/14/2005 Sample ID: WG198688-02
Instrument ID: HP9 Run Time: 15:07 Method: 8081A
File ID: 9G32670.F Analyst: ECL
Workgroup (AAB#): WG198689 Cal ID: HP9 - 13-OCT-05

Analyte		Expected	Found	RF	%D	UNITS	Q
alpha-BHC		20	18.9	9650000	5.7	ug/L	
beta-BHC		20	18.4	3970000	7.9	ug/L	
delta-BHC		20	18.6	8260000	6.9	ug/L	
gamma-BHC		20	18.9	8990000	5.5	ug/L	
Heptachlor		20	18.0	7620000	10.1	ug/L	
Aldrin		20	18.6	7460000	7.2	ug/L	
Heptachlor Epoxide		20	18.6	7270000	7.2	ug/L	
Endosulfan I		20	18.5	6640000	7.5	ug/L	
Dieldrin		20	18.4	6790000	7.9	ug/L	
4,4'-DDE		20	18.2	6160000	9	ug/L	
Endrin		20	18.4	4950000	7.8	ug/L	
Endosulfan II		20	18.8	5750000	6.1	ug/L	
4,4'-DDD		20	19.1	5120000	4.5	ug/L	
Endosulfan Sulfate		20	20.2	4390000	.9	ug/L	
4,4'-DDT		20	17.6	4980000	12.2	ug/L	
Methoxychlor		20	18.4	2640000	8.2	ug/L	
Endrin Ketone		20	18.8	6210000	6.2	ug/L	
Endrin Aldehyde		20	18.8	4730000	5.9	ug/L	
alpha-Chlordane		20	18.3	7030000	8.5	ug/L	
gamma-Chlordane		20	18.3	7050000	8.7	ug/L	

* Exceeds %D Limit

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KEMRON Environmental Services

CONTINUING CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/14/2005 Sample ID: WG198688-02
Instrument ID: HP9 Run Time: 15:35 Method: 8081A
File ID: 9G32670.R Analyst: ECL
Workgroup (AAB#): WG198689 Cal ID: HP9 - 13-OCT-05

Analyte		Expected	Found	RF	%D	UNITS	Q
alpha-BHC		20	19.6	11400000	1.8	ug/L	
beta-BHC		20	18.6	4800000	7	ug/L	
delta-BHC		20	19.5	10700000	2.3	ug/L	
gamma-BHC		20	19.4	10600000	3.2	ug/L	
Heptachlor		20	18.8	9250000	6.1	ug/L	
Aldrin		20	19.3	8830000	3.5	ug/L	
Heptachlor Epoxide		20	19.3	8620000	3.3	ug/L	
Endosulfan I		20	19.3	7840000	3.3	ug/L	
Dieldrin		20	19.5	8240000	2.7	ug/L	
4,4'-DDE		20	19.4	7910000	3.2	ug/L	
Endrin		20	19.4	6610000	3	ug/L	
Endosulfan II		20	19.3	7120000	3.3	ug/L	
4,4'-DDD		20	20.3	6960000	1.3	ug/L	
Endosulfan Sulfate		20	19.1	6070000	4.7	ug/L	
4,4'-DDT		20	17.3	5110000	13.7	ug/L	
Methoxychlor		20	17.7	2860000	11.7	ug/L	
Endrin Ketone		20	19.2	7440000	4.1	ug/L	
Endrin Aldehyde		20	18.5	5630000	7.7	ug/L	
alpha-Chlordane		20	19.0	8470000	4.8	ug/L	
gamma-Chlordane		20	19.1	8510000	4.6	ug/L	

* Exceeds %D Limit

KEMRON FORMS - Modified 03/21/2005
Version 1.3 PDF File ID: 340331
Report generated 10/21/2005 09:46

KEMRON Environmental Services

CONTINUING CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/14/2005 Sample ID: WG198688-04
Instrument ID: HP9 Run Time: 19:48 Method: 8081A
File ID: 9G32680.F Analyst: ECL
Workgroup (AAB#): WG198689 Cal ID: HP9 - 13-OCT-05

Analyte		Expected	Found	RF	%D	UNITS	Q
alpha-BHC		50	52.6	10800000	5.2	ug/L	
beta-BHC		50	46.1	3970000	7.8	ug/L	
delta-BHC		50	53.3	9440000	6.5	ug/L	
gamma-BHC		50	51.3	9760000	2.6	ug/L	
Heptachlor		50	49.9	8450000	.3	ug/L	
Aldrin		50	49.5	7960000	.9	ug/L	
Heptachlor Epoxide		50	47.9	7500000	4.2	ug/L	
Endosulfan I		50	47.3	6790000	5.3	ug/L	
Dieldrin		50	49.1	7230000	1.8	ug/L	
4,4'-DDE		50	51.0	6910000	2.1	ug/L	
Endrin		50	51.4	5510000	2.7	ug/L	
Endosulfan II		50	48.5	5940000	3	ug/L	
4,4'-DDD		50	53.7	5760000	7.5	ug/L	
Endosulfan Sulfate		50	55.3	4810000	10.5	ug/L	
4,4'-DDT		50	46.7	5290000	6.7	ug/L	
Methoxychlor		50	47.1	2710000	5.7	ug/L	
Endrin Ketone		50	47.9	6350000	4.2	ug/L	
Endrin Aldehyde		50	47.4	4770000	5.1	ug/L	
alpha-Chlordane		50	47.2	7260000	5.6	ug/L	
gamma-Chlordane		50	47.8	7380000	4.5	ug/L	

* Exceeds %D Limit

KEMRON FORMS - Modified 03/21/2005
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KEMRON Environmental Services

CONTINUING CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/14/2005 Sample ID: WG198688-04
Instrument ID: HP9 Run Time: 20:16 Method: 8081A
File ID: 9G32680.R Analyst: ECL
Workgroup (AAB#): WG198689 Cal ID: HP9 - 13-OCT-05

Analyte		Expected	Found	RF	%D	UNITS	Q
alpha-BHC		50	53.1	12400000	6.2	ug/L	
beta-BHC		50	45.3	4670000	9.4	ug/L	
delta-BHC		50	51.8	11400000	3.6	ug/L	
gamma-BHC		50	51.0	11100000	2.1	ug/L	
Heptachlor		50	48.3	9520000	3.3	ug/L	
Aldrin		50	49.8	9110000	.4	ug/L	
Heptachlor Epoxide		50	47.9	8540000	4.3	ug/L	
Endosulfan I		50	47.5	7690000	5.1	ug/L	
Dieldrin		50	48.5	8220000	3	ug/L	
4,4'-DDE		50	49.2	8030000	1.7	ug/L	
Endrin		50	49.1	6700000	1.8	ug/L	
Endosulfan II		50	46.9	6910000	6.1	ug/L	
4,4'-DDD		50	52.0	7140000	4.1	ug/L	
Endosulfan Sulfate		50	45.5	5800000	8.9	ug/L	
4,4'-DDT		50	39.3	4660000	21.3	ug/L	*
Methoxychlor		50	38.5	2500000	23	ug/L	*
Endrin Ketone		50	44.8	6950000	10.4	ug/L	
Endrin Aldehyde		50	43.1	5270000	13.7	ug/L	
alpha-Chlordane		50	47.0	8370000	5.9	ug/L	
gamma-Chlordane		50	47.9	8550000	4.2	ug/L	

* Exceeds %D Limit

KEMRON FORMS - Modified 03/21/2005
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Report generated 10/21/2005 09:46

KEMRON Environmental Services

CONTINUING CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/19/2005 Sample ID: WG198970-02
Instrument ID: HP15 Run Time: 10:58 Method: 8081A
File ID: 15G3481.F Analyst: ECL
Workgroup (AAB#): WG198689 Cal ID: HP15 - 03-OCT-05

Analyte		Expected	Found	RF	%D	UNITS	Q
alpha-BHC		20	22.4	24100000	12	ug/L	
beta-BHC		20	21.3	9880000	6.5	ug/L	
delta-BHC		20	23.3	23100000	16.6	ug/L	*
gamma-BHC		20	22.6	22500000	13	ug/L	
Heptachlor		20	22.3	21600000	11.7	ug/L	
Aldrin		20	22.5	19900000	12.3	ug/L	
Heptachlor Epoxide		20	22.5	19400000	12.5	ug/L	
Endosulfan I		20	21.9	17400000	9.5	ug/L	
Dieldrin		20	22.8	18800000	14.2	ug/L	
4,4'-DDE		20	22.2	18500000	10.9	ug/L	
Endrin		20	21.9	15000000	9.3	ug/L	
Endosulfan II		20	23.7	16100000	18.5	ug/L	*
4,4'-DDD		20	24.3	16100000	21.5	ug/L	*
Endosulfan Sulfate		20	24.4	13200000	22	ug/L	*
4,4'-DDT		20	18.4	11900000	8.1	ug/L	
Methoxychlor		20	19.0	6260000	4.8	ug/L	
Endrin Ketone		20	24.3	15700000	21.7	ug/L	*
Endrin Aldehyde		20	22.3	11900000	11.7	ug/L	
alpha-Chlordane		20	22.2	18900000	10.8	ug/L	
gamma-Chlordane		20	22.2	19300000	11.2	ug/L	

* Exceeds %D Limit

KEMRON FORMS - Modified 03/21/2005
Version 1.3 PDF File ID: 340331
Report generated 10/21/2005 09:46

KEMRON Environmental Services

CONTINUING CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/19/2005 Sample ID: WG198970-02
Instrument ID: HP15 Run Time: 11:25 Method: 8081A
File ID: 15G3481.R Analyst: ECL
Workgroup (AAB#): WG198689 Cal ID: HP15 - 03-OCT-05

Analyte		Expected	Found	RF	%D	UNITS	Q
alpha-BHC		20	23.9	27200000	19.7	ug/L	*
beta-BHC		20	22.8	10400000	14	ug/L	
delta-BHC		20	23.7	23200000	18.4	ug/L	*
gamma-BHC		20	23.8	24300000	19.1	ug/L	*
Heptachlor		20	23.5	21800000	17.5	ug/L	*
Aldrin		20	24.1	20200000	20.5	ug/L	*
Heptachlor Epoxide		20	23.2	18900000	16.1	ug/L	*
Endosulfan I		20	23.2	16900000	15.9	ug/L	*
Dieldrin		20	23.3	17000000	16.3	ug/L	*
4,4'-DDE		20	23.6	16800000	17.8	ug/L	*
Endrin		20	22.7	14500000	13.3	ug/L	
Endosulfan II		20	23.0	13500000	14.9	ug/L	
4,4'-DDD		20	24.5	13400000	22.7	ug/L	*
Endosulfan Sulfate		20	22.4	11200000	11.9	ug/L	
4,4'-DDT		20	20.7	9740000	3.3	ug/L	
Methoxychlor		20	19.5	5190000	2.4	ug/L	
Endrin Ketone		20	22.4	12100000	12	ug/L	
Endrin Aldehyde		20	21.6	9930000	8.1	ug/L	
alpha-Chlordane		20	23.2	17700000	15.8	ug/L	*
gamma-Chlordane		20	23.1	18000000	15.7	ug/L	*

* Exceeds %D Limit

KEMRON FORMS - Modified 03/21/2005
Version 1.3 PDF File ID: 340331
Report generated 10/21/2005 09:46

KEMRON Environmental Services

CONTINUING CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/19/2005 Sample ID: WG198970-04
Instrument ID: HP15 Run Time: 13:52 Method: 8081A
File ID: 15G3486.F Analyst: ECL
Workgroup (AAB#): WG198689 Cal ID: HP15 - 03-OCT-05

Analyte		Expected	Found	RF	%D	UNITS	Q
alpha-BHC		50	62.3	26800000	24.6	ug/L	*
beta-BHC		50	55.2	10200000	10.4	ug/L	
delta-BHC		50	64.8	25600000	29.5	ug/L	*
gamma-BHC		50	61.0	24300000	22.1	ug/L	*
Heptachlor		50	58.5	22600000	17	ug/L	*
Aldrin		50	60.0	21300000	20.1	ug/L	*
Heptachlor Epoxide		50	57.9	20000000	15.8	ug/L	*
Endosulfan I		50	56.6	18000000	13.2	ug/L	
Dieldrin		50	60.0	19800000	20	ug/L	*
4,4'-DDE		50	58.3	19500000	16.6	ug/L	*
Endrin		50	57.1	15700000	14.3	ug/L	
Endosulfan II		50	60.9	16600000	21.8	ug/L	*
4,4'-DDD		50	63.5	16800000	27.1	ug/L	*
Endosulfan Sulfate		50	61.4	13300000	22.9	ug/L	*
4,4'-DDT		50	49.4	12800000	1.1	ug/L	
Methoxychlor		50	48.1	6320000	3.9	ug/L	
Endrin Ketone		50	62.6	16100000	25.2	ug/L	*
Endrin Aldehyde		50	57.5	12300000	15	ug/L	
alpha-Chlordane		50	57.7	19700000	15.4	ug/L	*
gamma-Chlordane		50	58.6	20300000	17.3	ug/L	*

* Exceeds %D Limit

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KEMRON Environmental Services

CONTINUING CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/19/2005 Sample ID: WG198970-04
Instrument ID: HP15 Run Time: 14:20 Method: 8081A
File ID: 15G3486.R Analyst: ECL
Workgroup (AAB#): WG198689 Cal ID: HP15 - 03-OCT-05

Analyte		Expected	Found	RF	%D	UNITS	Q
alpha-BHC		50	62.2	28300000	24.4	ug/L	*
beta-BHC		50	56.0	10200000	12	ug/L	
delta-BHC		50	61.9	24200000	23.8	ug/L	*
gamma-BHC		50	61.3	25000000	22.7	ug/L	*
Heptachlor		50	58.2	21600000	16.3	ug/L	*
Aldrin		50	61.6	20700000	23.1	ug/L	*
Heptachlor Epoxide		50	57.5	18700000	14.9	ug/L	
Endosulfan I		50	57.5	16700000	15	ug/L	
Dieldrin		50	59.1	17300000	18.3	ug/L	*
4,4'-DDE		50	60.2	17200000	20.3	ug/L	*
Endrin		50	57.4	14700000	14.8	ug/L	
Endosulfan II		50	57.5	13500000	15	ug/L	
4,4'-DDD		50	62.7	13700000	25.5	ug/L	*
Endosulfan Sulfate		50	55.5	11100000	11.1	ug/L	
4,4'-DDT		50	52.7	9940000	5.4	ug/L	
Methoxychlor		50	46.8	4980000	6.4	ug/L	
Endrin Ketone		50	57.4	12400000	14.8	ug/L	
Endrin Aldehyde		50	53.2	9780000	6.4	ug/L	
alpha-Chlordane		50	57.4	17600000	14.8	ug/L	
gamma-Chlordane		50	58.0	18100000	16.1	ug/L	*

* Exceeds %D Limit

KEMRON FORMS - Modified 03/21/2005
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Report generated 10/21/2005 09:46

KEMRON Environmental Services

CONTINUING CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/19/2005 Sample ID: WG198970-02
Instrument ID: HP15 Run Time: 17:38 Method: 8081A
File ID: 15G3488.F Analyst: ECL
Workgroup (AAB#): WG198689 Cal ID: HP15 - 03-OCT-05

Analyte		Expected	Found	RF	%D	UNITS	Q
alpha-BHC		20	17.9	19200000	10.7	ug/L	
beta-BHC		20	16.2	7530000	18.8	ug/L	*
delta-BHC		20	16.9	16700000	15.6	ug/L	*
gamma-BHC		20	17.6	17600000	12	ug/L	
Heptachlor		20	18.1	17600000	9.3	ug/L	
Aldrin		20	17.6	15600000	11.9	ug/L	
Heptachlor Epoxide		20	18.0	15500000	10	ug/L	
Endosulfan I		20	18.1	14500000	9.3	ug/L	
Dieldrin		20	18.9	15600000	5.4	ug/L	
4,4'-DDE		20	18.9	15800000	5.3	ug/L	
Endrin		20	20.6	14200000	2.9	ug/L	
Endosulfan II		20	19.7	13400000	1.3	ug/L	
4,4'-DDD		20	18.7	12400000	6.3	ug/L	
Endosulfan Sulfate		20	21.4	11600000	7	ug/L	
4,4'-DDT		20	20.1	13000000	.3	ug/L	
Methoxychlor		20	21.8	7170000	9.1	ug/L	
Endrin Ketone		20	22.2	14300000	10.9	ug/L	
Endrin Aldehyde		20	20.0	10700000	.2	ug/L	
alpha-Chlordane		20	22.1	18900000	10.4	ug/L	
gamma-Chlordane		20	16.9	14600000	15.7	ug/L	*

* Exceeds %D Limit

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KEMRON Environmental Services

CONTINUING CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/19/2005 Sample ID: WG198970-02
Instrument ID: HP15 Run Time: 18:05 Method: 8081A
File ID: 15G3488.R Analyst: ECL
Workgroup (AAB#): WG198689 Cal ID: HP15 - 03-OCT-05

Analyte		Expected	Found	RF	%D	UNITS	Q
alpha-BHC		20	21.6	24600000	8.2	ug/L	
beta-BHC		20	20.4	9290000	2	ug/L	
delta-BHC		20	21.5	21100000	7.6	ug/L	
gamma-BHC		20	20.7	21100000	3.5	ug/L	
Heptachlor		20	22.5	20900000	12.6	ug/L	
Aldrin		20	21.5	18100000	7.6	ug/L	
Heptachlor Epoxide		20	21.2	17300000	6	ug/L	
Endosulfan I		20	21.4	15600000	6.9	ug/L	
Dieldrin		20	22.2	16200000	10.9	ug/L	
4,4'-DDE		20	21.7	15500000	8.7	ug/L	
Endrin		20	21.9	14000000	9.7	ug/L	
Endosulfan II		20	21.6	12700000	7.8	ug/L	
4,4'-DDD		20	21.6	11800000	8	ug/L	
Endosulfan Sulfate		20	21.5	10800000	7.7	ug/L	
4,4'-DDT		20	24.2	11400000	21	ug/L	*
Methoxychlor		20	22.4	5940000	11.8	ug/L	
Endrin Ketone		20	22.8	12300000	13.8	ug/L	
Endrin Aldehyde		20	21.2	9720000	5.8	ug/L	
alpha-Chlordane		20	23.0	17600000	15	ug/L	
gamma-Chlordane		20	21.1	16500000	5.5	ug/L	

* Exceeds %D Limit

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Version 1.3 PDF File ID: 340331
Report generated 10/21/2005 09:46

KEMRON Environmental Services

CONTINUING CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/19/2005 Sample ID: WG198970-04
Instrument ID: HP15 Run Time: 19:56 Method: 8081A
File ID: 15G3493.F Analyst: ECL
Workgroup (AAB#): WG198689 Cal ID: HP15 - 03-OCT-05

Analyte		Expected	Found	RF	%D	UNITS	Q
alpha-BHC		50	57.1	24600000	14.3	ug/L	
beta-BHC		50	49.9	9260000	.2	ug/L	
delta-BHC		50	53.6	21200000	7.1	ug/L	
gamma-BHC		50	56.3	22500000	12.7	ug/L	
Heptachlor		50	55.7	21600000	11.5	ug/L	
Aldrin		50	54.8	19400000	9.6	ug/L	
Heptachlor Epoxide		50	54.4	18700000	8.8	ug/L	
Endosulfan I		50	54.6	17400000	9.2	ug/L	
Dieldrin		50	56.9	18800000	13.8	ug/L	
4,4'-DDE		50	56.7	18900000	13.4	ug/L	
Endrin		50	61.6	16900000	23.2	ug/L	*
Endosulfan II		50	58.2	15900000	16.3	ug/L	*
4,4'-DDD		50	57.1	15100000	14.2	ug/L	
Endosulfan Sulfate		50	59.4	12900000	18.9	ug/L	*
4,4'-DDT		50	59.6	15400000	19.2	ug/L	*
Methoxychlor		50	58.8	7730000	17.5	ug/L	*
Endrin Ketone		50	62.2	16000000	24.4	ug/L	*
Endrin Aldehyde		50	56.3	12000000	12.5	ug/L	
alpha-Chlordane		50	54.7	18700000	9.3	ug/L	
gamma-Chlordane		50	52.3	18100000	4.6	ug/L	

* Exceeds %D Limit

KEMRON FORMS - Modified 03/21/2005
Version 1.3 PDF File ID: 340331
Report generated 10/21/2005 09:46

KEMRON Environmental Services

CONTINUING CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/19/2005 Sample ID: WG198970-04
Instrument ID: HP15 Run Time: 20:24 Method: 8081A
File ID: 15G3493.R Analyst: ECL
Workgroup (AAB#): WG198689 Cal ID: HP15 - 03-OCT-05

Analyte		Expected	Found	RF	%D	UNITS	Q
alpha-BHC		50	63.8	29000000	27.6	ug/L	*
beta-BHC		50	57.3	10400000	14.6	ug/L	
delta-BHC		50	63.0	24600000	26	ug/L	*
gamma-BHC		50	62.8	25600000	25.6	ug/L	*
Heptachlor		50	61.5	22800000	22.9	ug/L	*
Aldrin		50	63.1	21200000	26.1	ug/L	*
Heptachlor Epoxide		50	59.5	19400000	19	ug/L	*
Endosulfan I		50	59.1	17200000	18.3	ug/L	*
Dieldrin		50	61.3	17900000	22.6	ug/L	*
4,4'-DDE		50	56.8	17300000	13.6	ug/L	
Endrin		50	61.4	15700000	22.9	ug/L	*
Endosulfan II		50	59.6	14100000	19.3	ug/L	*
4,4'-DDD		50	60.8	13300000	21.6	ug/L	*
Endosulfan Sulfate		50	58.0	11600000	15.9	ug/L	*
4,4'-DDT		50	67.3	12700000	34.6	ug/L	*
Methoxychlor		50	57.6	6130000	15.3	ug/L	*
Endrin Ketone		50	61.5	13300000	23	ug/L	*
Endrin Aldehyde		50	56.7	10400000	13.4	ug/L	
alpha-Chlordane		50	59.2	18100000	18.5	ug/L	*
gamma-Chlordane		50	60.0	18700000	20.1	ug/L	*

* Exceeds %D Limit

KEMRON FORMS - Modified 03/21/2005
Version 1.3 PDF File ID: 340331
Report generated 10/21/2005 09:46

2.2.3.2 Sample Data

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\101405\9G32675.D\ECD1A.CH Vial: 7
Acq On : 14 Oct 2005 17:27 Operator: ECL
Sample : L0510264-01 Inst : HP9
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : autoint1.e

Data File : C:\HPCHEM\1\DATA\101405\9G32675.D\ECD2B.CH Vial: 7
Acq On : 14 Oct 2005 17:55 Operator: ECL
Sample : L0510264-01 Inst : HP9
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : autoint2.e
Quant Time: Oct 17 8:25 2005 Quant Results File: 8081.RES

Quant Method : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title : CALIBRATION October 13, 2005 @ 21:10
Last Update : Mon Oct 17 08:24:42 2005
Response via : Initial Calibration
DataAcq Meth : 8081.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L	
	System Monitoring Compounds							
1) S	2,4,5,6-Tetrachl	9.93	9.43	111.4E6	130.7E6	14.237	14.726	
	Spiked Amount 20.000 Range 39 - 130 Recovery =					71.19%	73.63%	
22) S	Decachlorobiphen	19.02	19.11	94799304	101.4E6	19.825	19.533	
	Spiked Amount 20.000 Range 33 - 143 Recovery =					99.13%	97.67%	
	Target Compounds							
2)	alpha-BHC	0.00	0.00	0	0	N.D.	N.D.	
3)	gamma-BHC	0.00	11.50f	0	8683116	N.D.	0.795	#
4)	beta-BHC	0.00	0.00	0	0	N.D.	N.D.	
5)	Heptachlor	0.00	0.00	0	0	N.D.	N.D.	
6)	delta-BHC	0.00	0.00	0	0	N.D.	N.D.	
7)	Aldrin	0.00	0.00	0	0	N.D.	N.D.	
8)	Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.	
9)	gamma-Chlordane	14.68	14.39	14344029	13581681	1.857	1.523	
10)	alpha-Chlordane	14.88f	14.65	82887706	9909165	10.785	1.114	#
11)	Endosulfan I	0.00	0.00	0	0	N.D.	N.D.	
12)	4,4'-DDE	15.04	14.96	1371.8E6	1641.9E6	202.703	200.927	
13)	Dieldrin	0.00	0.00	0	0	N.D.	N.D.	
14)	Endrin	0.00	0.00	0	0	N.D.	N.D.	
15)	4,4'-DDD	16.03	15.95	201.0E6	247.0E6	37.486	35.974	
16)	Endosulfan II	0.00	0.00	0	0	N.D.	N.D.	
17)	4,4'-DDT	16.47	16.43	7009.4E6	7846.9E6	1236.926	1324.982	
18)	Endrin Aldehyde	0.00	0.00	0	0	N.D.	N.D.	
19)	Endosulfan Sulfa	0.00	16.99	0	8356816	N.D.	1.313	#
20)	Methoxychlor	17.16	0.00	33054342	0	11.511	N.D.	#
21)	Endrin Ketone	0.00	17.69	0	17251840	N.D.	2.224	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

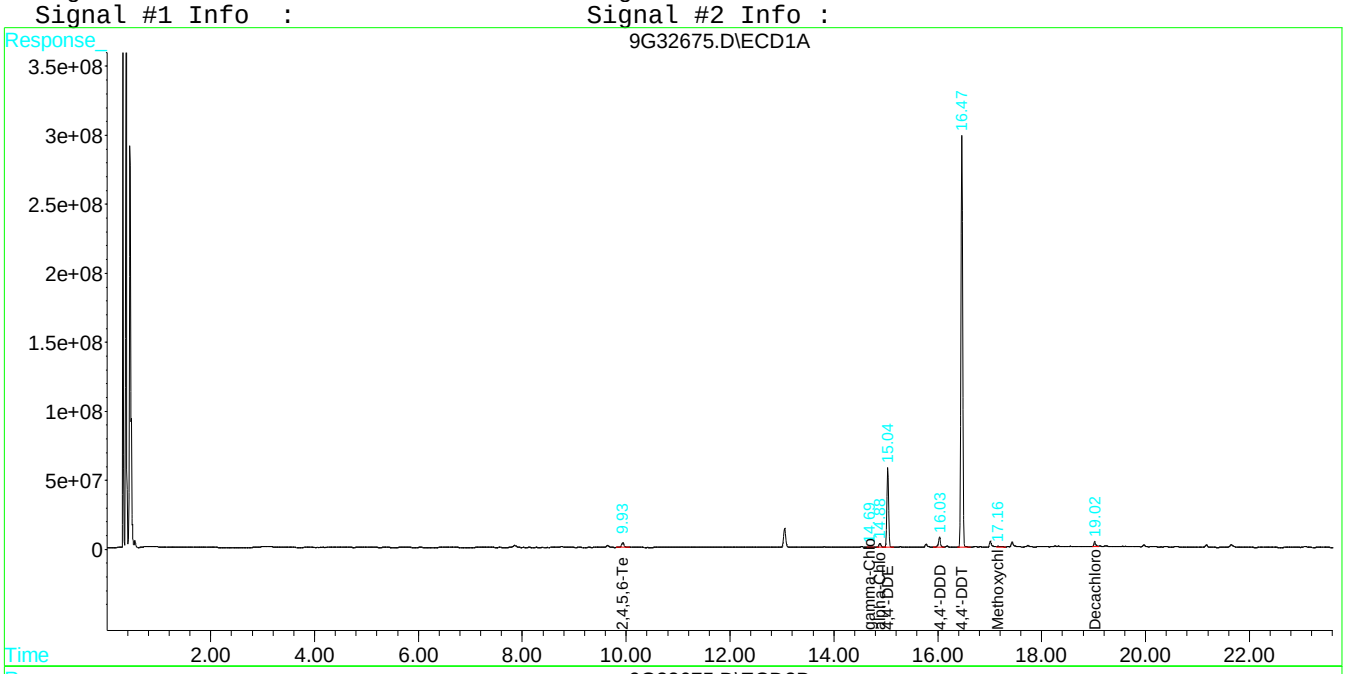
Quantitation Report (Not Reviewed)

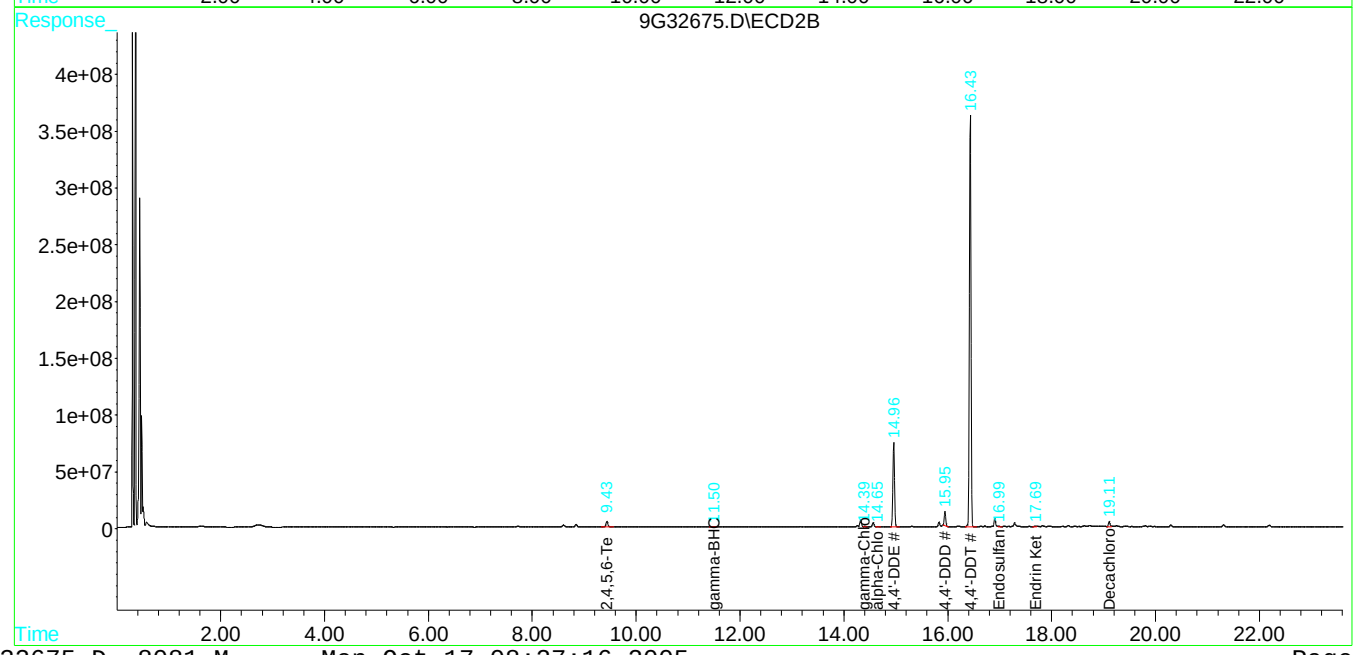
Data File : C:\HPCHEM\1\DATA\101405\9G32675.D\ECD1A.CH Vial: 7
Acq On : 14 Oct 2005 17:27 Operator: ECL
Sample : L0510264-01 Inst : HP9
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : autoint1.e

Data File : C:\HPCHEM\1\DATA\101405\9G32675.D\ECD2B.CH Vial: 7
Acq On : 14 Oct 2005 17:55 Operator: ECL
Sample : L0510264-01 Inst : HP9
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : autoint2.e
Quant Time: Oct 17 8:25 2005 Quant Results File: 8081.RES

Quant Method : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title : CALIBRATION October 13, 2005 @ 21:10
Last Update : Mon Oct 17 08:24:42 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8081.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



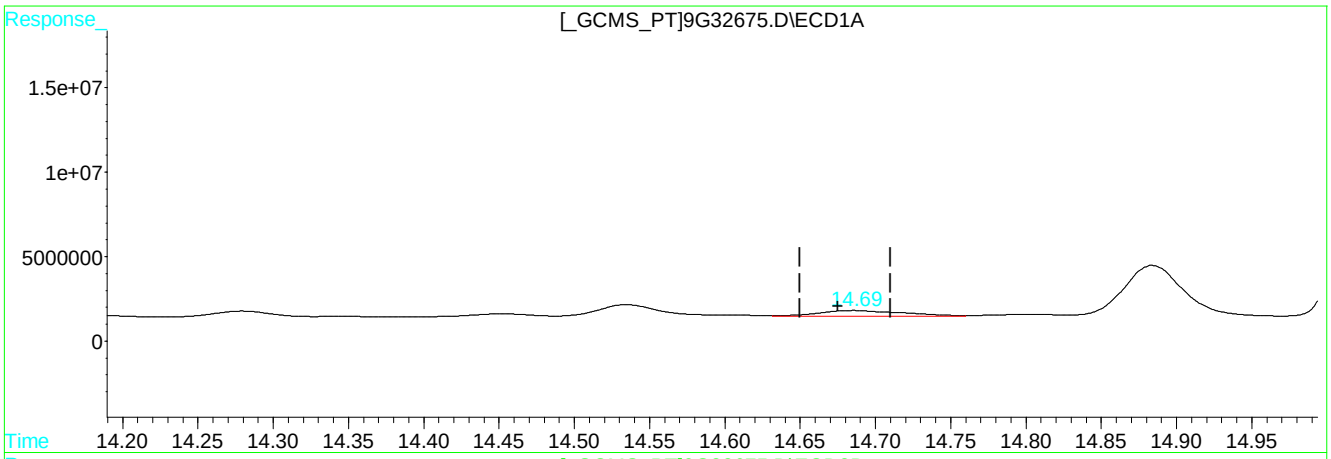


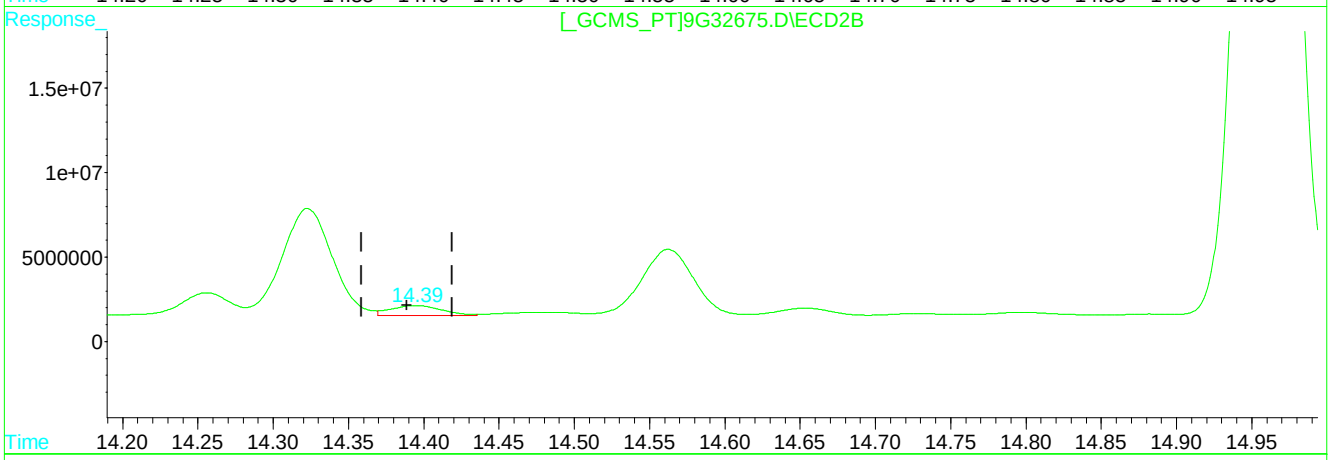
Quantitation Report (Qedit)

```
Data File : C:\HPCHEM\1\DATA\101405\9G32675.D\ECD1A.CH   Vial: 7
Acq On    : 14 Oct 2005  17:27                          Operator: ECL
Sample    : L0510264-01                                 Inst    : HP9
Misc      : 7,1 SOIL                                    Multiplr: 1.00
IntFile   : autoint1.e

Data File : C:\HPCHEM\1\DATA\101405\9G32675.D\ECD2B.CH   Vial: 7
Acq On    : 14 Oct 2005  17:55                          Operator: ECL
Sample    : L0510264-01                                 Inst    : HP9
Misc      : 7,1 SOIL                                    Multiplr: 1.00
IntFile   : autoint2.e
Quant Time: Oct 17  8:25 2005  Quant Results File: 8081.RES


Method       : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title        : CALIBRATION October 13, 2005 @ 21:10
Last Update  : Mon Oct 17 08:26:28 2005
Response via : Multiple Level Calibration
```





QEdit

(9) gamma-Chlordane

14.68min 1.857UG/L

response 14344029

(9) gamma-Chlordane #2

14.39min 1.523UG/L

response 13581681

(+) = Expected Retention Time

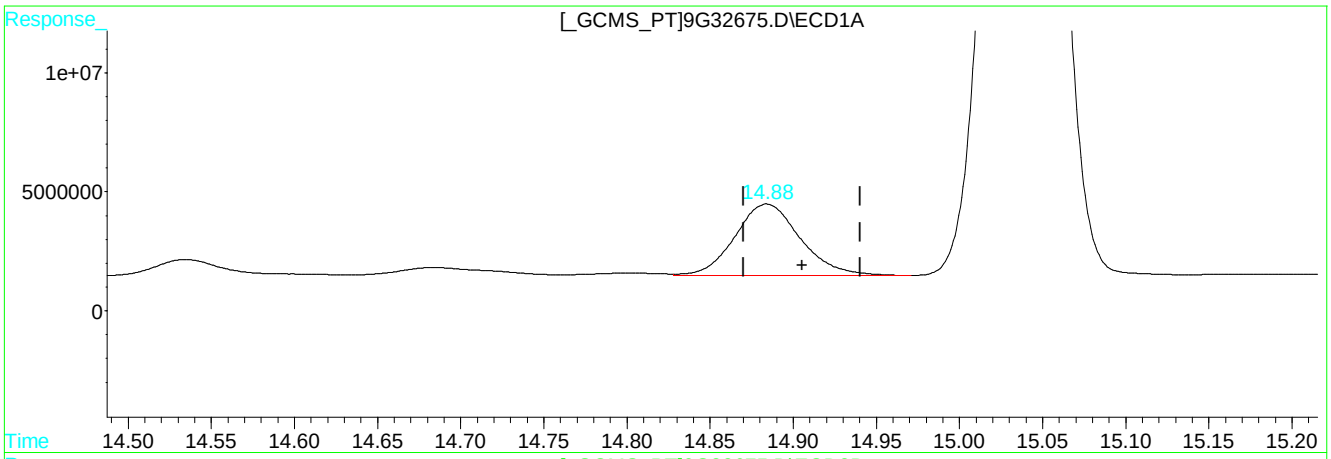
9G32675.D 8081.M Mon Oct 17 08:31:28 2005

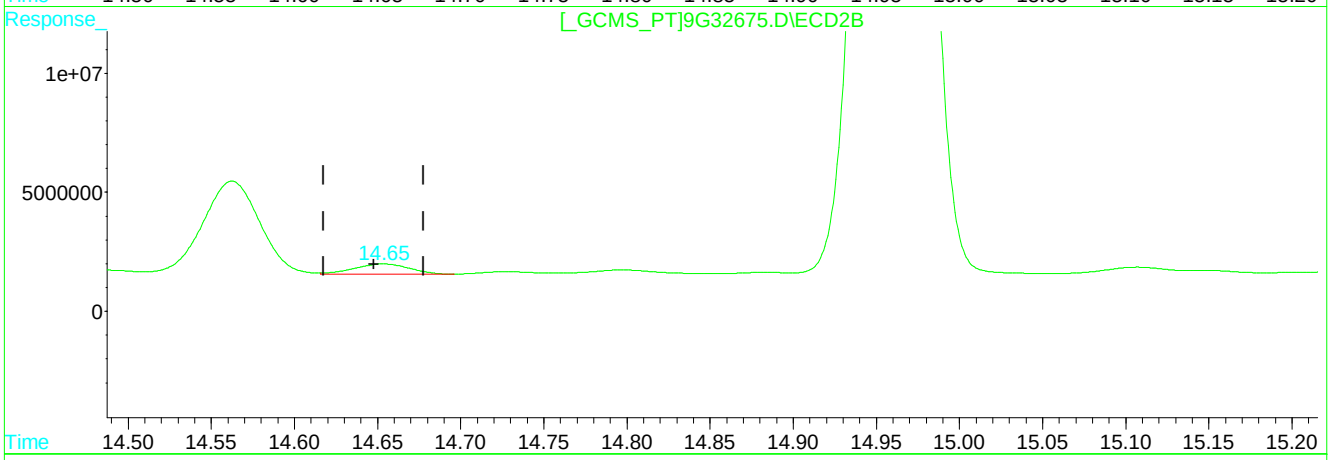
Quantitation Report (Qedit)

```
Data File : C:\HPCHEM\1\DATA\101405\9G32675.D\ECD1A.CH   Vial: 7
Acq On    : 14 Oct 2005  17:27                          Operator: ECL
Sample    : L0510264-01                                 Inst    : HP9
Misc      : 7,1 SOIL                                    Multiplr: 1.00
IntFile   : autoint1.e

Data File : C:\HPCHEM\1\DATA\101405\9G32675.D\ECD2B.CH   Vial: 7
Acq On    : 14 Oct 2005  17:55                          Operator: ECL
Sample    : L0510264-01                                 Inst    : HP9
Misc      : 7,1 SOIL                                    Multiplr: 1.00
IntFile   : autoint2.e
Quant Time: Oct 17  8:25 2005  Quant Results File: 8081.RES


Method       : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title        : CALIBRATION October 13, 2005 @ 21:10
Last Update  : Mon Oct 17 08:26:28 2005
Response via : Multiple Level Calibration
```





QEdit

(10) alpha-Chlordane

14.88min 10.785UG/L

response 82887706

(10) alpha-Chlordane #2

14.65min 1.114UG/L

response 9909165

(+) = Expected Retention Time

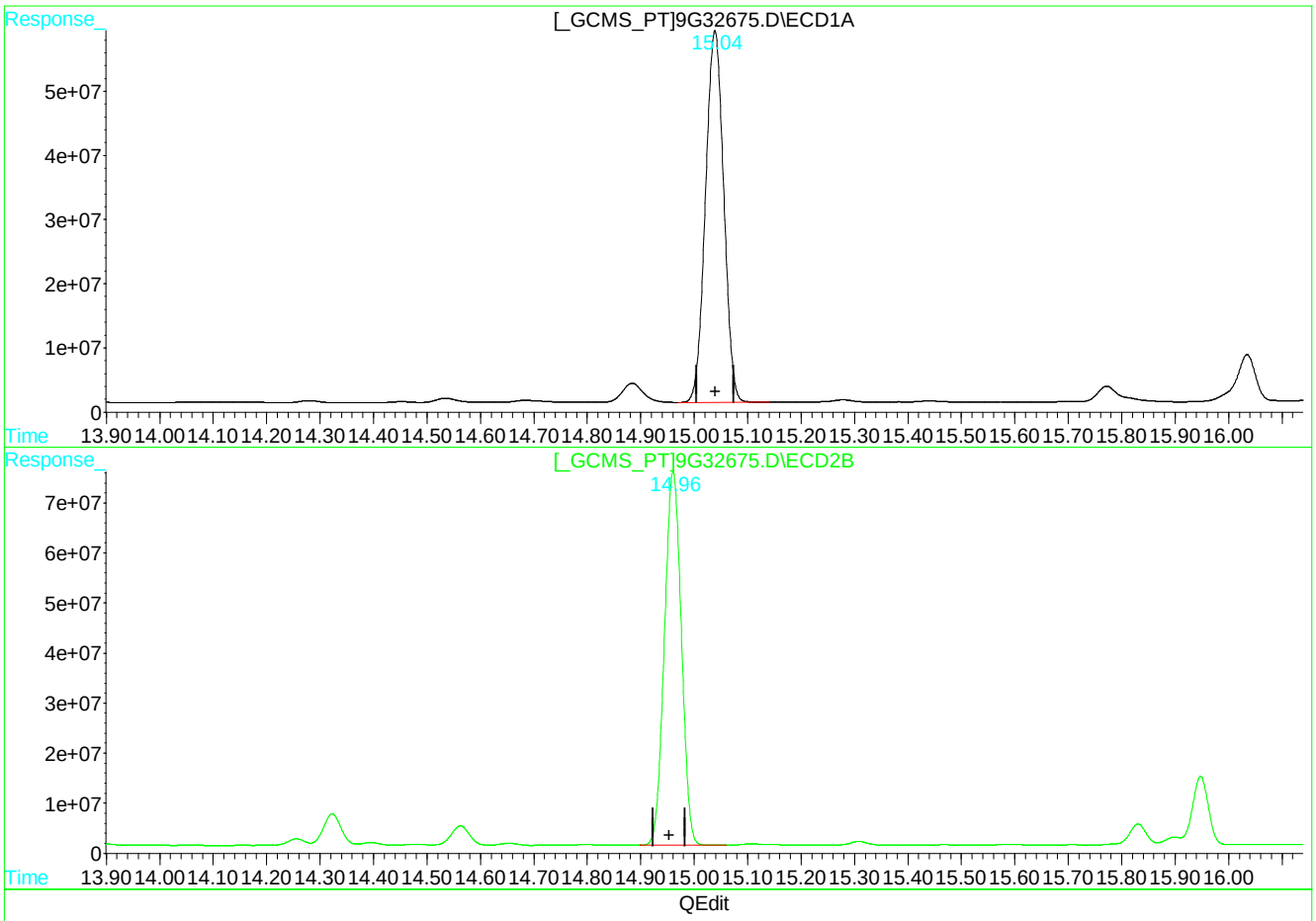
9G32675.D 8081.M Mon Oct 17 08:31:36 2005

Quantitation Report (Qedit)

```
Data File : C:\HPCHEM\1\DATA\101405\9G32675.D\ECD1A.CH   Vial: 7
Acq On    : 14 Oct 2005  17:27                          Operator: ECL
Sample    : L0510264-01                                 Inst    : HP9
Misc      : 7,1 SOIL                                    Multiplr: 1.00
IntFile   : autoint1.e

Data File : C:\HPCHEM\1\DATA\101405\9G32675.D\ECD2B.CH   Vial: 7
Acq On    : 14 Oct 2005  17:55                          Operator: ECL
Sample    : L0510264-01                                 Inst    : HP9
Misc      : 7,1 SOIL                                    Multiplr: 1.00
IntFile   : autoint2.e
Quant Time: Oct 17  8:25 2005  Quant Results File: 8081.RES


Method       : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title        : CALIBRATION October 13, 2005 @ 21:10
Last Update  : Mon Oct 17 08:26:28 2005
Response via : Multiple Level Calibration
```



QEdit

(12) 4,4'-DDE

15.04min 202.703UG/L

response 1371829149

(12) 4,4'-DDE #2

14.96min 200.927UG/L

response 1641872721

(+) = Expected Retention Time

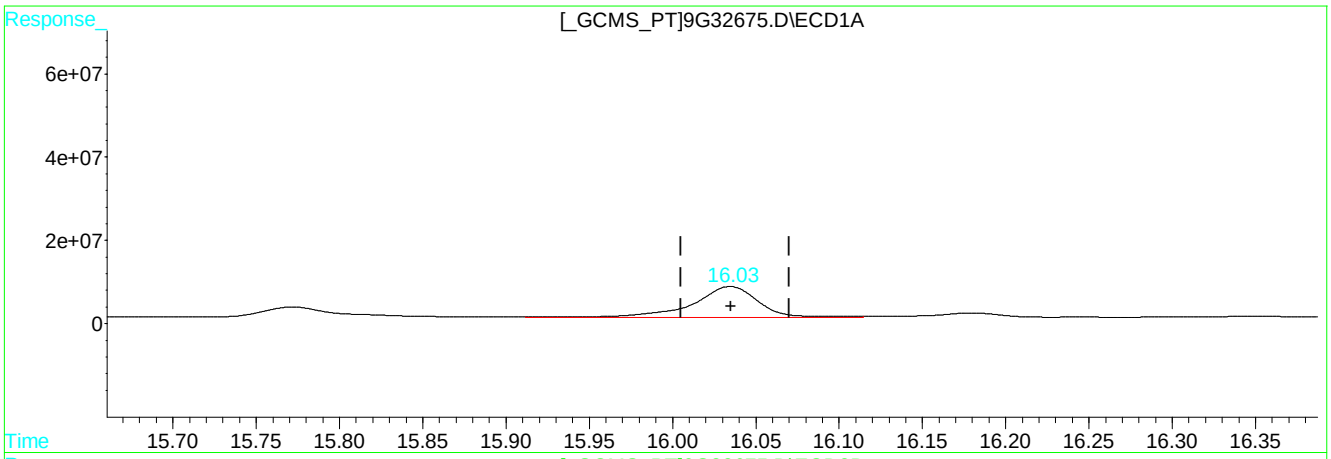
9G32675.D 8081.M Mon Oct 17 08:31:41 2005

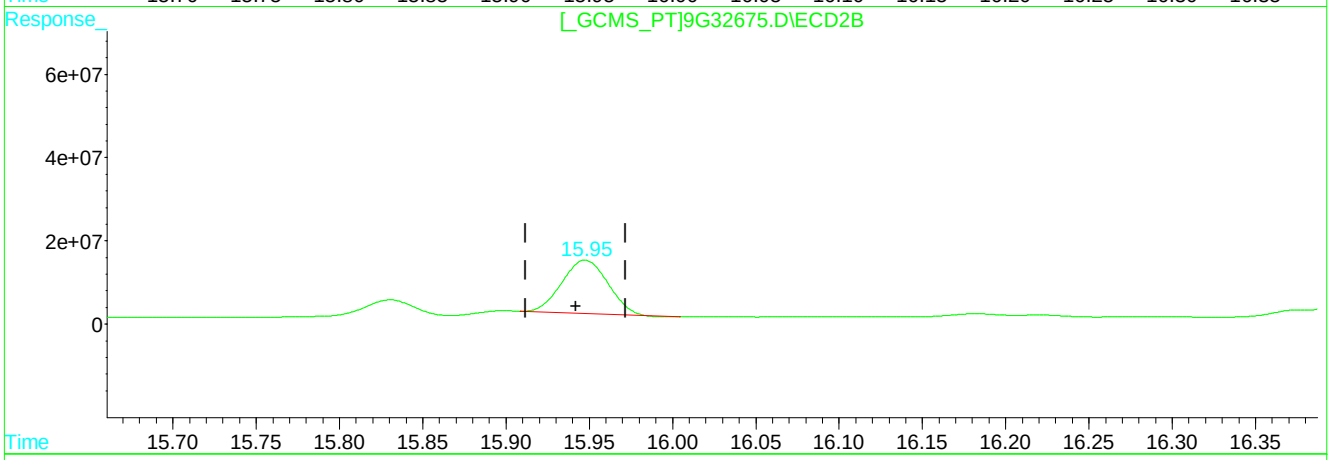
Quantitation Report (Qedit)

```
Data File : C:\HPCHEM\1\DATA\101405\9G32675.D\ECD1A.CH   Vial: 7
Acq On    : 14 Oct 2005  17:27                          Operator: ECL
Sample    : L0510264-01                                 Inst    : HP9
Misc      : 7,1 SOIL                                    Multiplr: 1.00
IntFile   : autoint1.e

Data File : C:\HPCHEM\1\DATA\101405\9G32675.D\ECD2B.CH   Vial: 7
Acq On    : 14 Oct 2005  17:55                          Operator: ECL
Sample    : L0510264-01                                 Inst    : HP9
Misc      : 7,1 SOIL                                    Multiplr: 1.00
IntFile   : autoint2.e
Quant Time: Oct 17  8:25 2005  Quant Results File: 8081.RES


Method       : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title        : CALIBRATION October 13, 2005 @ 21:10
Last Update  : Mon Oct 17 08:26:28 2005
Response via : Multiple Level Calibration
```





QEdit

(15) 4,4'-DDD

16.03min 37.486UG/L

response 201047609

(15) 4,4'-DDD #2

15.95min 35.974UG/L

response 246955699

(+) = Expected Retention Time

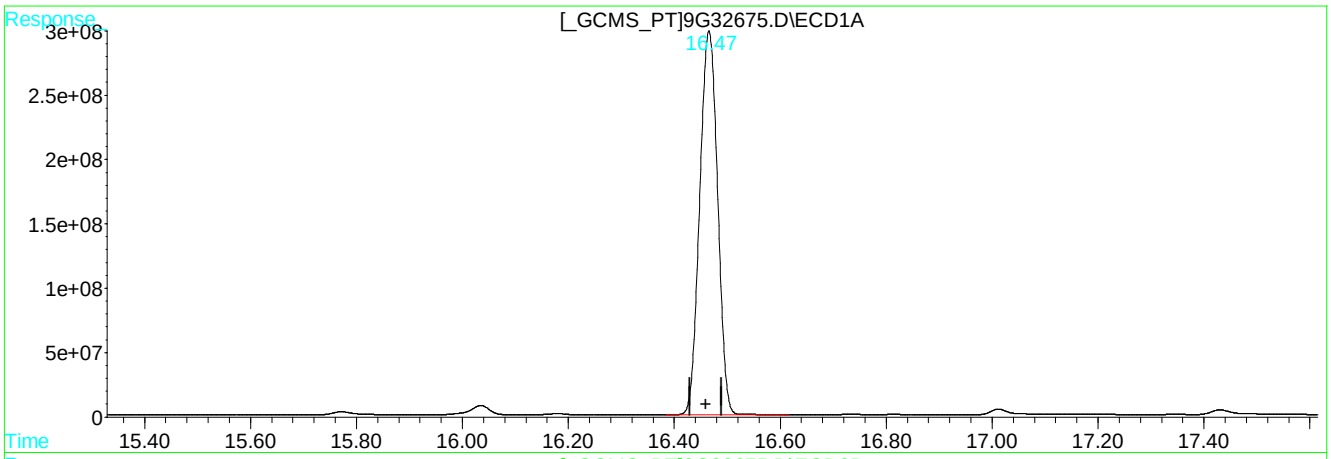
9G32675.D 8081.M Mon Oct 17 08:31:47 2005

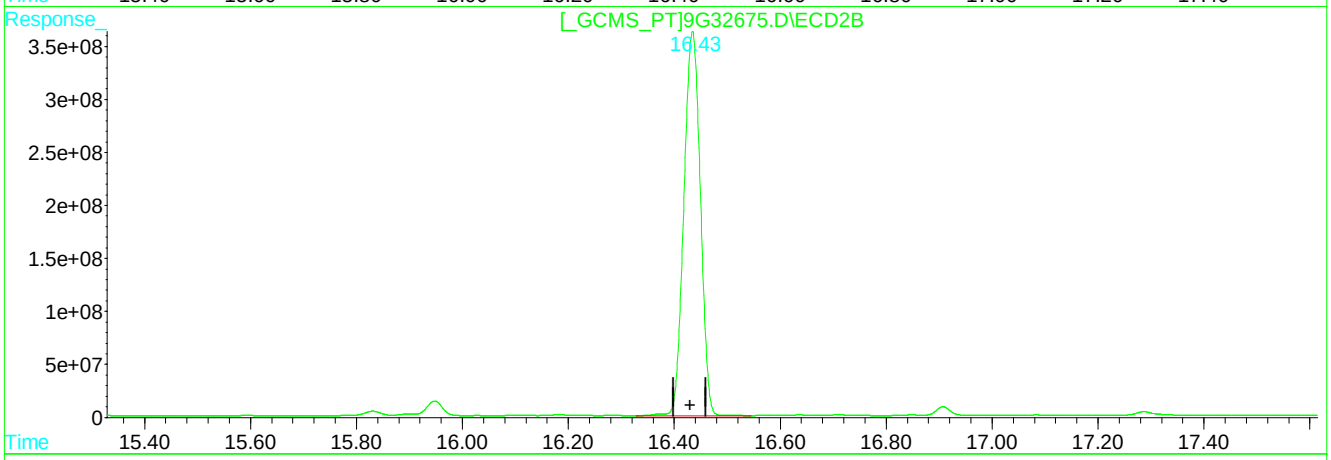
Quantitation Report (Qedit)

```
Data File : C:\HPCHEM\1\DATA\101405\9G32675.D\ECD1A.CH   Vial: 7
Acq On    : 14 Oct 2005  17:27                          Operator: ECL
Sample    : L0510264-01                                 Inst    : HP9
Misc      : 7,1 SOIL                                    Multiplr: 1.00
IntFile   : autoint1.e

Data File : C:\HPCHEM\1\DATA\101405\9G32675.D\ECD2B.CH   Vial: 7
Acq On    : 14 Oct 2005  17:55                          Operator: ECL
Sample    : L0510264-01                                 Inst    : HP9
Misc      : 7,1 SOIL                                    Multiplr: 1.00
IntFile   : autoint2.e
Quant Time: Oct 17  8:25 2005  Quant Results File: 8081.RES


Method       : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title        : CALIBRATION October 13, 2005 @ 21:10
Last Update  : Mon Oct 17 08:26:28 2005
Response via : Multiple Level Calibration
```





QEdit

(17) 4,4'-DDT

16.47min 1236.926UG/L

response 7009386890

(17) 4,4'-DDT #2

16.43min 1324.982UG/L

response 7846865676

(+) = Expected Retention Time

9G32675.D 8081.M Mon Oct 17 08:31:51 2005

Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\101905\
Data File : 15G3483.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Oct 2005 12:29 (#1); 19 Oct 2005 12:56 (#2)
Operator : ECL
Sample : L0510264-01 10x
Misc : 7,10 SOIL
ALS Vial : 4 Sample Multiplier: 10

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 19 13:50:32 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Tue Oct 04 10:14:22 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.58	9.83	18910747	25715862	11.879	14.625
	Spiked Amount 20.000 Range 29 - 133 Recovery =					59.39%	73.13%
22) S	Decachlorobiphen	18.97	19.56	43640862	21404482	43.322	23.574 #
	Spiked Amount 20.000 Range 30 - 173 Recovery =					216.61%#	117.87%
	Target Compounds						
2)	alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)	gamma-BHC	0.00	0.00	0	0	N.D.	N.D.
4)	beta-BHC	0.00	0.00	0	0	N.D.	N.D.
5)	Heptachlor	0.00	0.00	0	0	N.D.	N.D.
6)	delta-BHC	0.00	0.00	0	0	N.D.	N.D.
7)	Aldrin	0.00	0.00	0	0	N.D.	N.D.
8)	Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.
9)	gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.
10)	alpha-Chlordane	14.80f	0.00	16097602	0	0.942	N.D. #
11)	Endosulfan I	0.00	0.00	0	0	N.D.	N.D.
12)	4,4'-DDE	14.96	15.47	267.0E6	256.7E6	15.987	18.006
13)	Dieldrin	0.00	0.00	0	0	N.D.	N.D.
14)	Endrin	0.00	0.00	0	0	N.D.	N.D.
15)	4,4'-DDD	15.96	16.39	114.9E6	79202906	8.696	7.248
16)	Endosulfan II	0.00	0.00	0	0	N.D.	N.D.
17)	4,4'-DDT	16.38	16.84	1608.4E6	1189.4E6	124.291	126.098
18)	Endrin Aldehyde	0.00	0.00	0	0	N.D.	N.D.
19)	Endosulfan Sulfa	0.00	0.00	0	0	N.D.	N.D.
20)	Methoxychlor	0.00	0.00	0	0	N.D.	N.D.
21)	Endrin Ketone	0.00	0.00	0	0	N.D.	N.D.

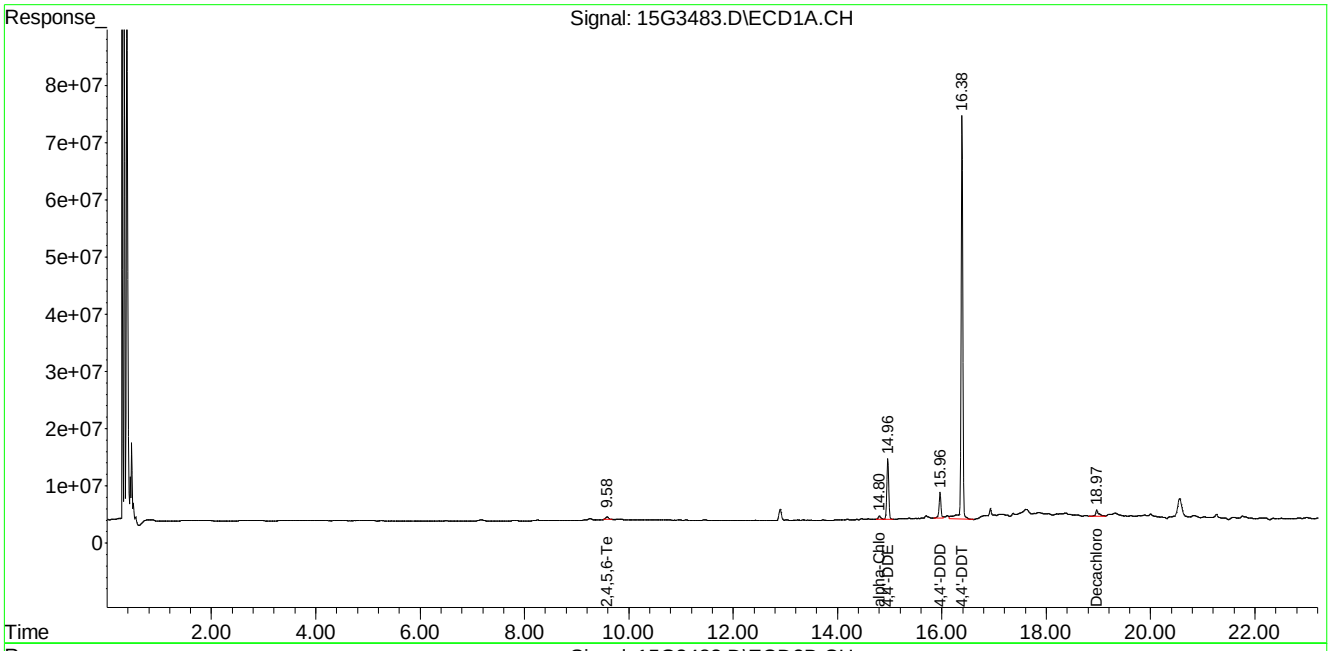
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

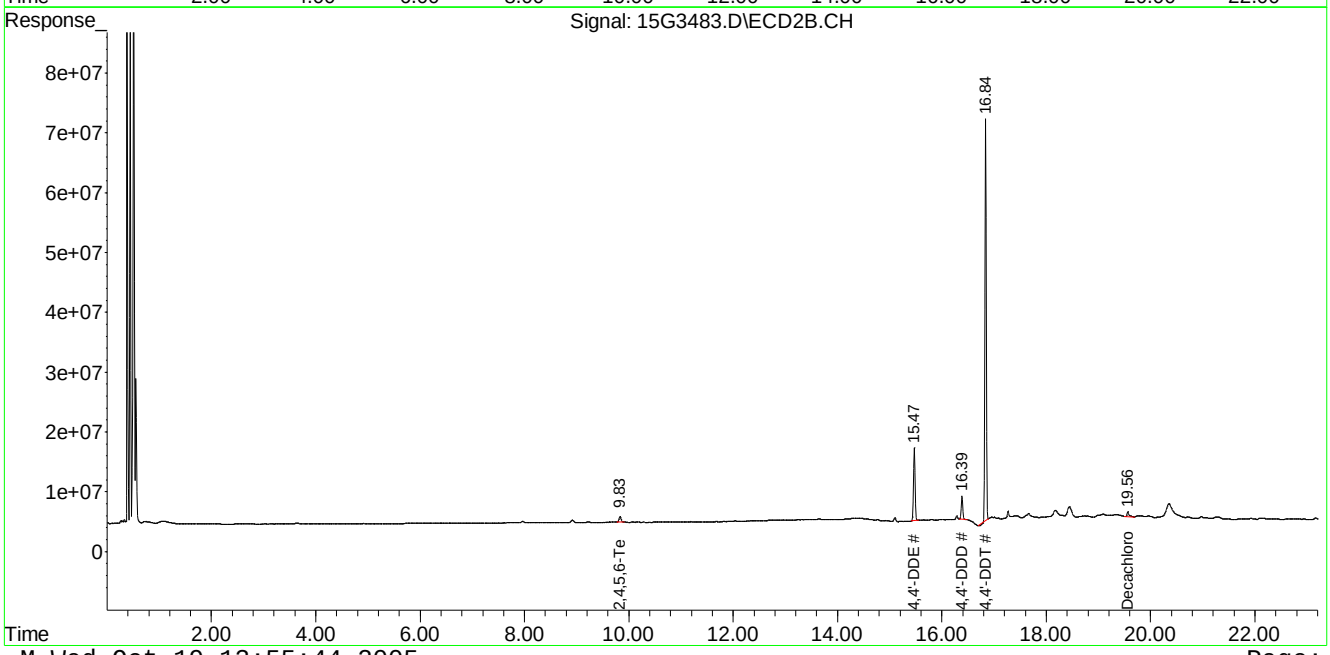
Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\101905\
Data File : 15G3483.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Oct 2005 12:29 (#1); 19 Oct 2005 12:56 (#2)
Operator : ECL
Sample : L0510264-01 10x
Misc : 7,10 SOIL
ALS Vial : 4 Sample Multiplier: 10

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 19 13:50:32 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Tue Oct 04 10:14:22 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



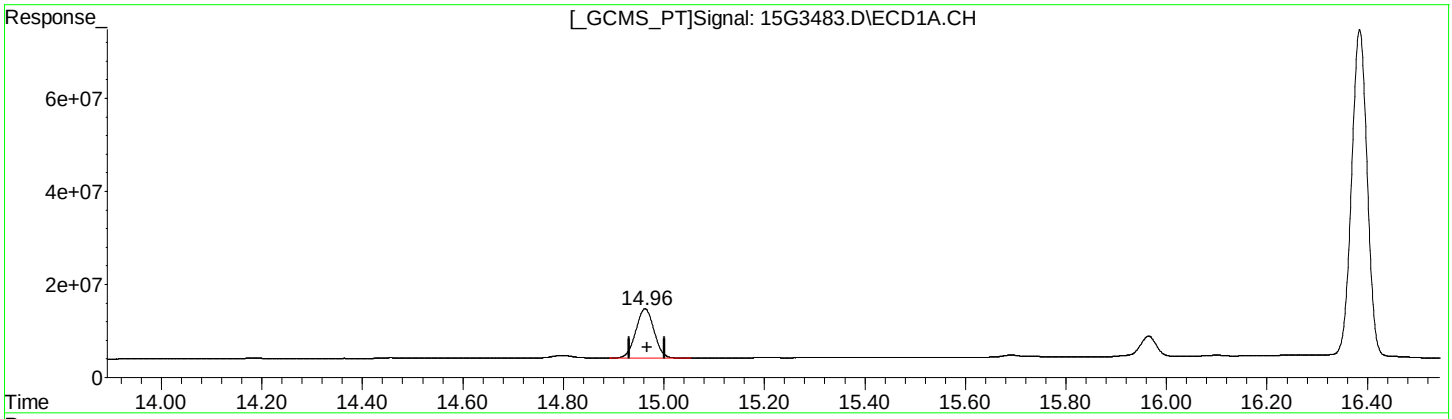


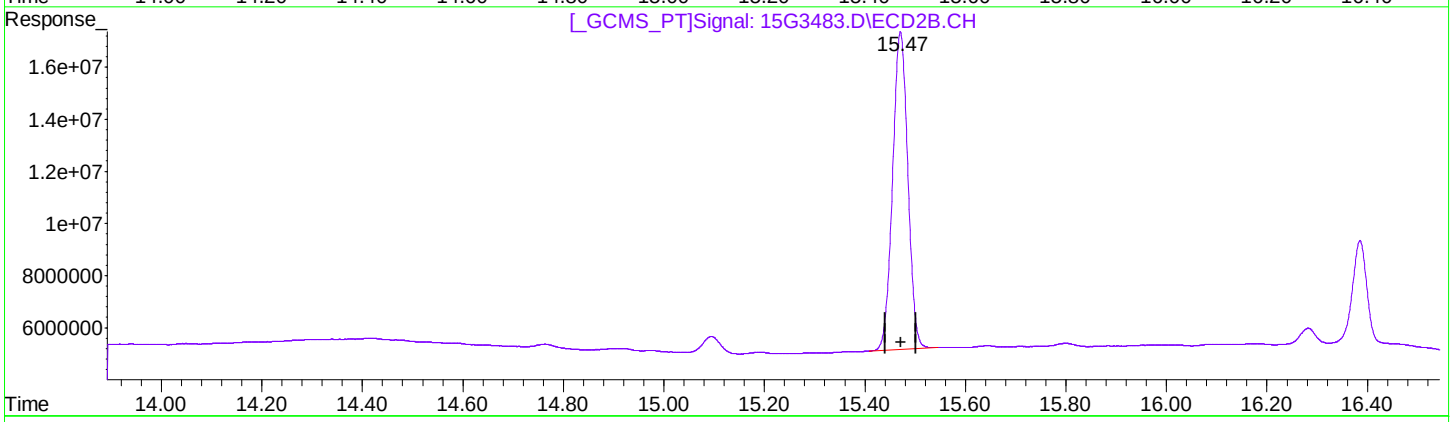
Quantitation Report (Qedit)

```
Data Path : C:\MSDChem\1\DATA\101905\
Data File : 15G3483.D
Signal(s) : Signal #1: ECD1A.CH  Signal #2: ECD2B.CH
Acq On    : 19 Oct 2005  12:29 (#1); 19 Oct 2005  12:56 (#2)
Operator  : ECL
Sample    : L0510264-01 10x
Misc      : 7,10 SOIL
ALS Vial  : 4   Sample Multiplier: 10

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 19 13:50:32 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title  : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Tue Oct 04 10:14:22 2005
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```





QEdit

(12) 4,4'-DDE

14.96min 15.987UG/L

response 266959006

(12) 4,4'-DDE #2

15.47min 18.006UG/L

response 256693091

(+) = Expected Retention Time

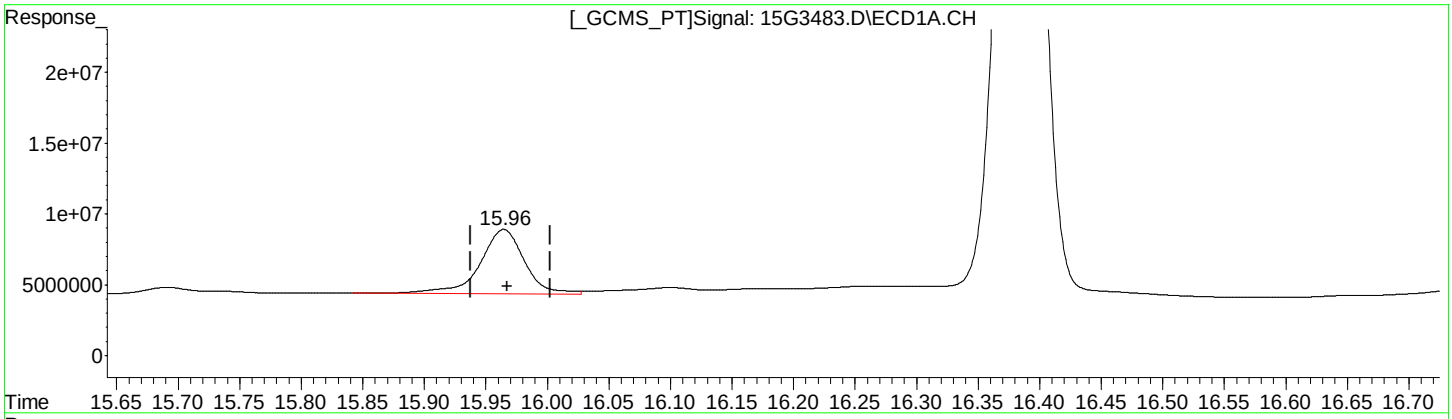
8081.M Wed Oct 19 13:55:53 2005 Page: 1

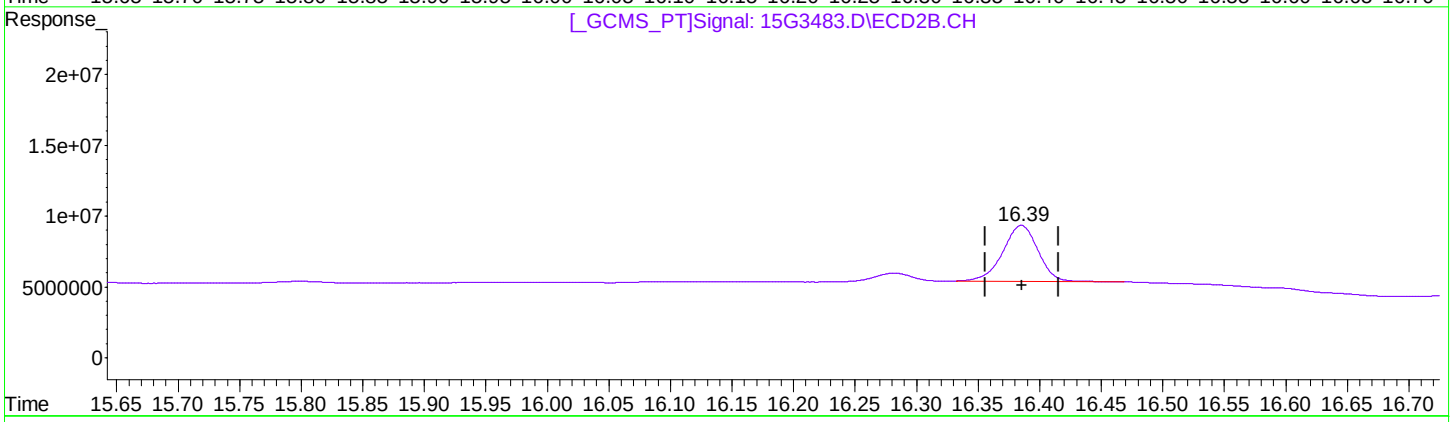
Quantitation Report (Qedit)

```
Data Path : C:\MSDChem\1\DATA\101905\
Data File : 15G3483.D
Signal(s) : Signal #1: ECD1A.CH  Signal #2: ECD2B.CH
Acq On    : 19 Oct 2005  12:29 (#1); 19 Oct 2005  12:56 (#2)
Operator  : ECL
Sample    : L0510264-01 10x
Misc      : 7,10 SOIL
ALS Vial  : 4   Sample Multiplier: 10

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 19 13:50:32 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title  : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Tue Oct 04 10:14:22 2005
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```





QEdit

(15) 4,4'-DDD

15.96min 8.696UG/L

response 114927960

(15) 4,4'-DDD #2

16.39min 7.248UG/L

response 79202906

(+) = Expected Retention Time

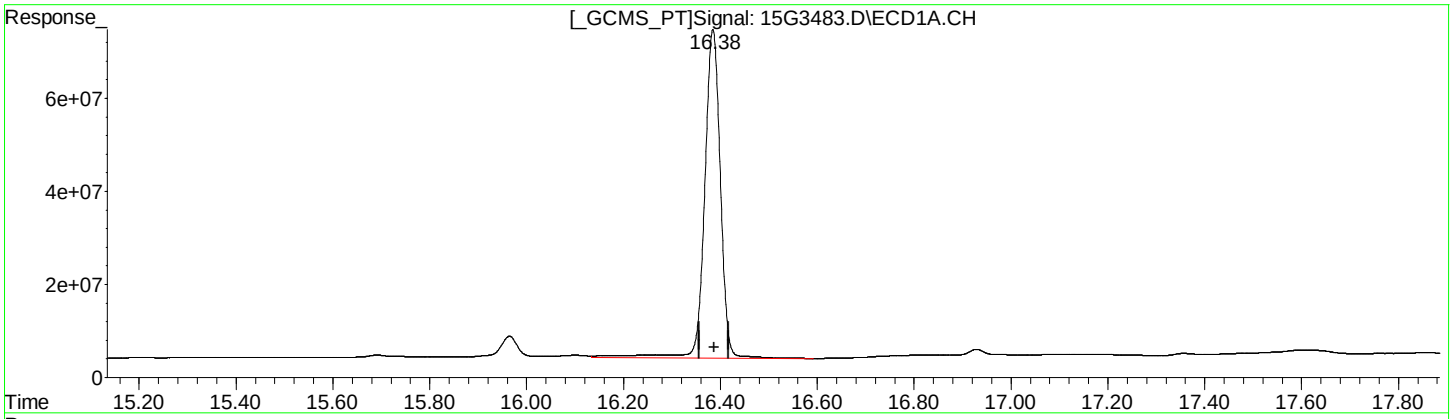
8081.M Wed Oct 19 13:56:00 2005 Page: 1

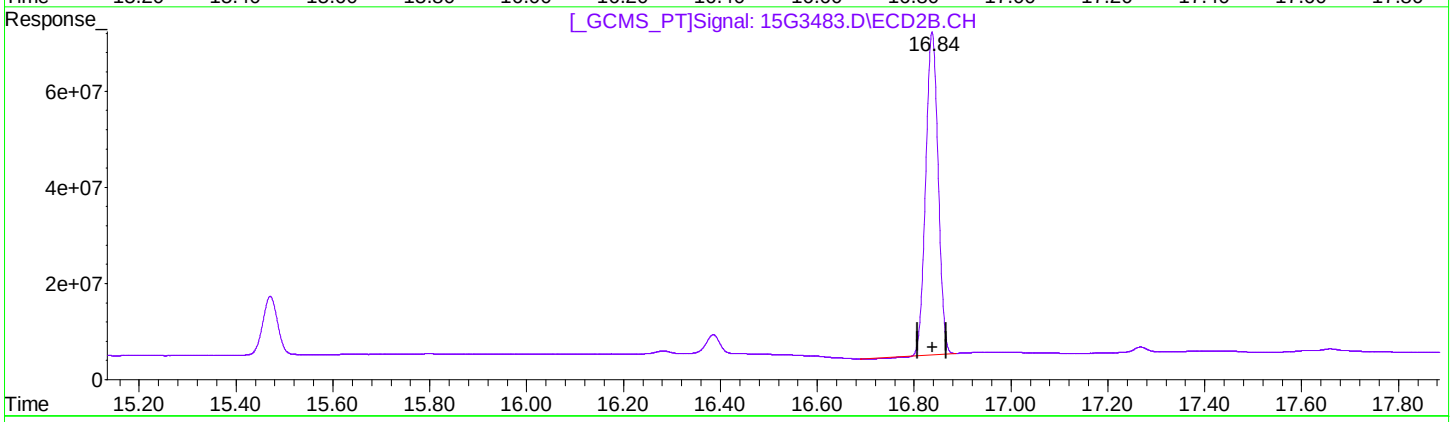
Quantitation Report (Qedit)

```
Data Path : C:\MSDChem\1\DATA\101905\
Data File : 15G3483.D
Signal(s) : Signal #1: ECD1A.CH  Signal #2: ECD2B.CH
Acq On    : 19 Oct 2005  12:29 (#1); 19 Oct 2005  12:56 (#2)
Operator  : ECL
Sample    : L0510264-01 10x
Misc      : 7,10 SOIL
ALS Vial  : 4   Sample Multiplier: 10

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 19 13:50:32 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title  : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Tue Oct 04 10:14:22 2005
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```





QEdit

(17) 4,4'-DDT

16.38min 124.291UG/L

response 1608418672

(17) 4,4'-DDT #2

16.84min 126.098UG/L

response 1189353074

(+) = Expected Retention Time

8081.M Wed Oct 19 13:56:05 2005 Page: 1

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\101905\
Data File : 15G3490.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Oct 2005 18:33 (#1); 19 Oct 2005 19:01 (#2)
Operator : ECL
Sample : L0510264-01 10x
Misc : 7,10 SOIL
ALS Vial : 4 Sample Multiplier: 10

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 08:39:13 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Thu Oct 20 08:18:06 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.58	9.83	17278602	25773862	10.853	14.658 #
	Spiked Amount 20.000 Range 29 - 133 Recovery =					54.26%	73.29%
22) S	Decachlorobiphen	18.96	19.56	18182679	16271133	18.050m	17.920m
	Spiked Amount 20.000 Range 30 - 173 Recovery =					90.25%	89.60%
	Target Compounds						
2)	alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)	gamma-BHC	0.00	0.00	0	0	N.D.	N.D.
4)	beta-BHC	0.00	0.00	0	0	N.D.	N.D.
5)	Heptachlor	0.00	0.00	0	0	N.D.	N.D.
6)	delta-BHC	0.00	0.00	0	0	N.D.	N.D.
7)	Aldrin	0.00	0.00	0	0	N.D.	N.D.
8)	Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.
9)	gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.
10)	alpha-Chlordane	14.80f	0.00	59575880	0	3.488	N.D. #
11)	Endosulfan I	0.00	0.00	0	0	N.D.	N.D.
12)	4,4'-DDE	14.96	15.47	268.0E6	264.5E6	16.047	18.463
13)	Dieldrin	0.00	0.00	0	0	N.D.	N.D.
14)	Endrin	0.00	0.00	0	0	N.D.	N.D.
15)	4,4'-DDD	15.96	16.38	39090096	33802203	2.958	3.093
16)	Endosulfan II	0.00	0.00	0	0	N.D.	N.D.
17)	4,4'-DDT	16.38	16.84	1651.5E6	1360.8E6	127.620	144.273
18)	Endrin Aldehyde	0.00	0.00	0	0	N.D.	N.D.
19)	Endosulfan Sulfa	0.00	0.00	0	0	N.D.	N.D.
20)	Methoxychlor	0.00	0.00	0	0	N.D.	N.D.
21)	Endrin Ketone	0.00	0.00	0	0	N.D.	N.D.

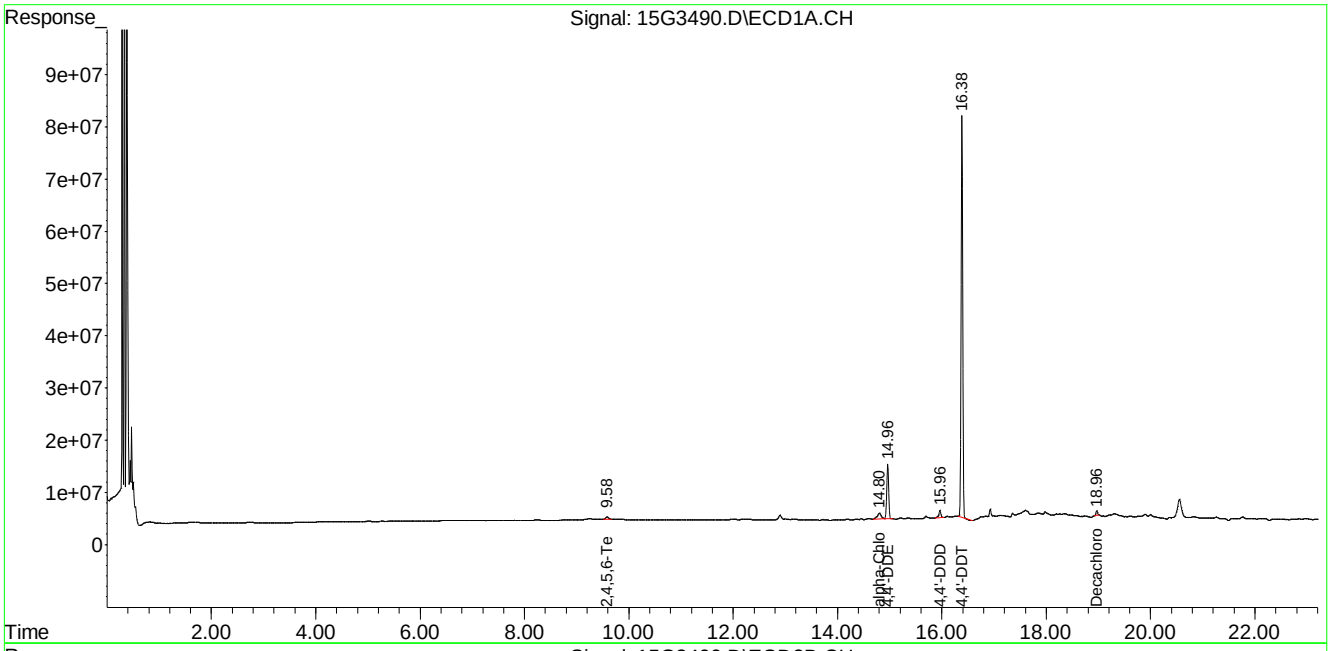
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

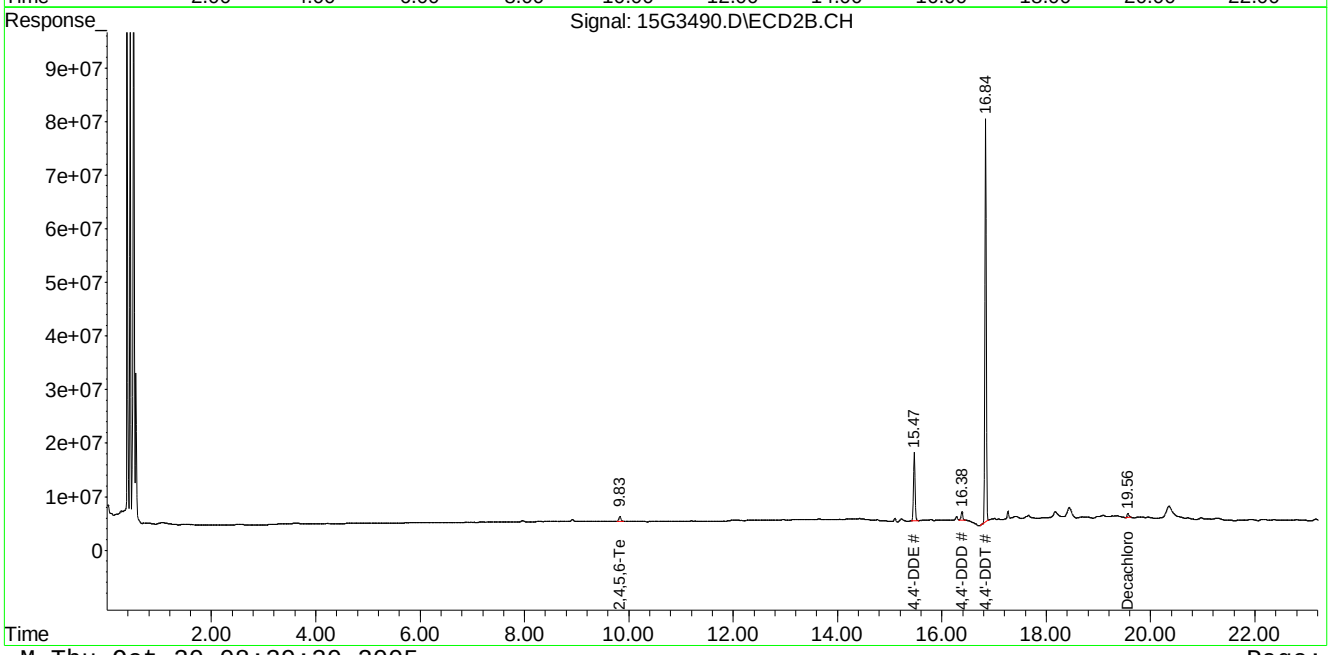
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\101905\
Data File : 15G3490.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Oct 2005 18:33 (#1); 19 Oct 2005 19:01 (#2)
Operator : ECL
Sample : L0510264-01 10x
Misc : 7,10 SOIL
ALS Vial : 4 Sample Multiplier: 10

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 08:39:13 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Thu Oct 20 08:18:06 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



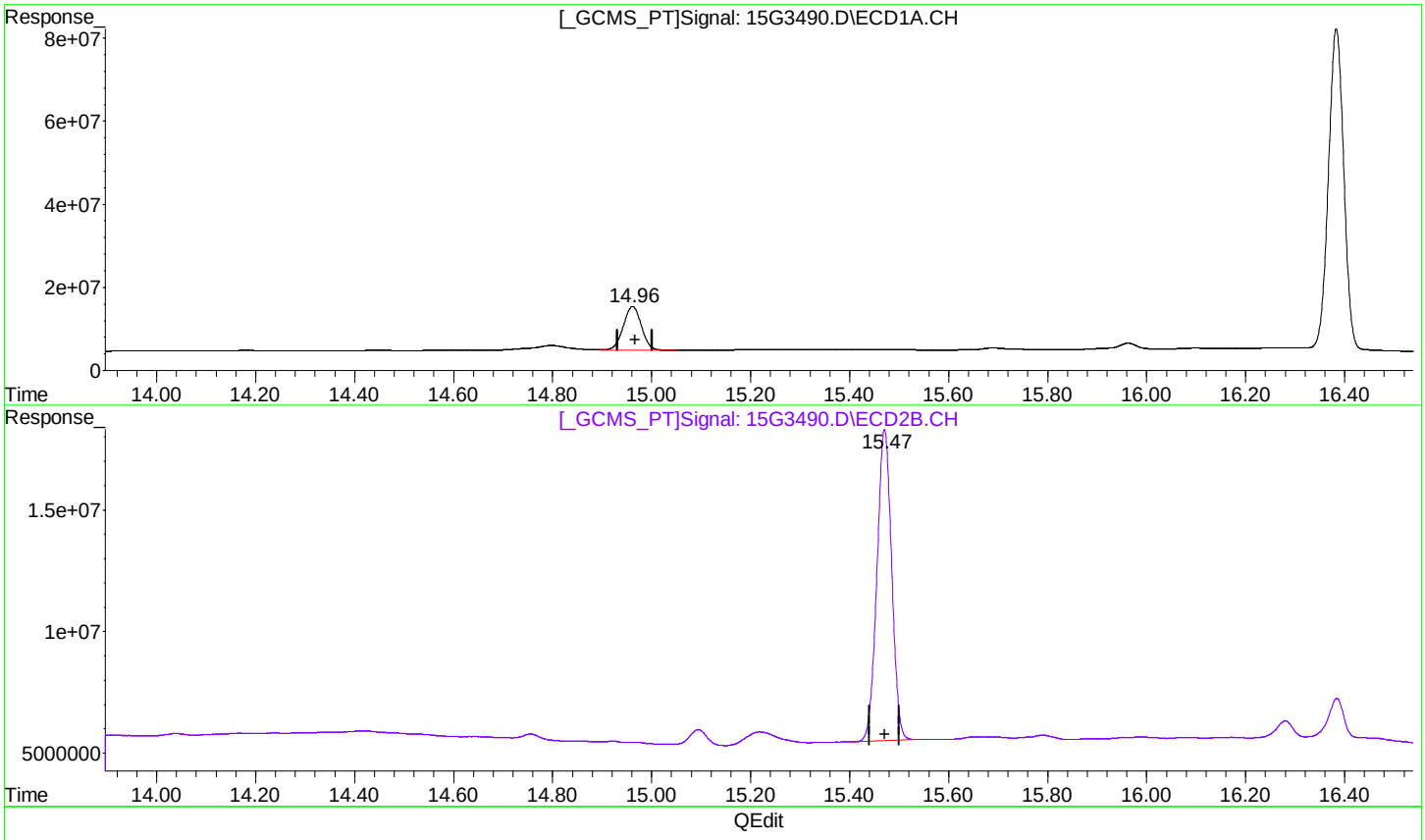


Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\101905\
Data File : 15G3490.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Oct 2005 18:33 (#1); 19 Oct 2005 19:01 (#2)
Operator : ECL
Sample : L0510264-01 10x
Misc : 7,10 SOIL
ALS Vial : 4 Sample Multiplier: 10

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 08:26:16 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Thu Oct 20 08:18:06 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(12) 4,4'-DDE

14.96min 16.047UG/L

response 267968128

(12) 4,4'-DDE #2

15.47min 18.463UG/L

response 264525554

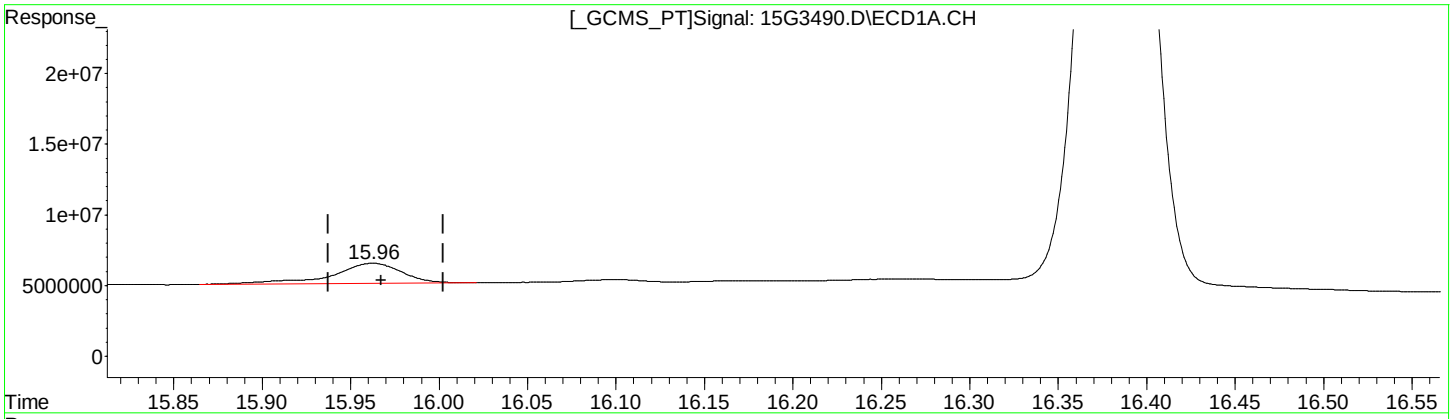
(+) = Expected Retention Time

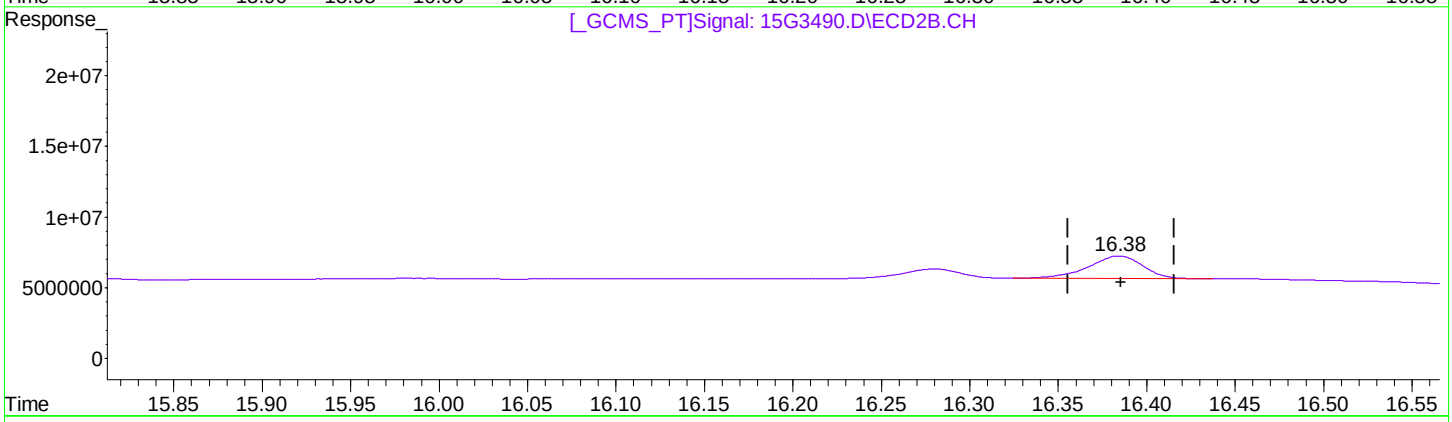
Quantitation Report (Qedit)

```
Data Path : C:\MSDCHEM\1\DATA\101905\
Data File : 15G3490.D
Signal(s) : Signal #1: ECD1A.CH  Signal #2: ECD2B.CH
Acq On    : 19 Oct 2005  18:33 (#1); 19 Oct 2005  19:01 (#2)
Operator  : ECL
Sample    : L0510264-01 10x
Misc      : 7,10 SOIL
ALS Vial  : 4   Sample Multiplier: 10

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 08:26:16 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title  : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Thu Oct 20 08:18:06 2005
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```





QEdit

(15) 4,4'-DDD

15.96min 2.958UG/L

response 39090096

(15) 4,4'-DDD #2

16.38min 3.093UG/L

response 33802203

(+) = Expected Retention Time

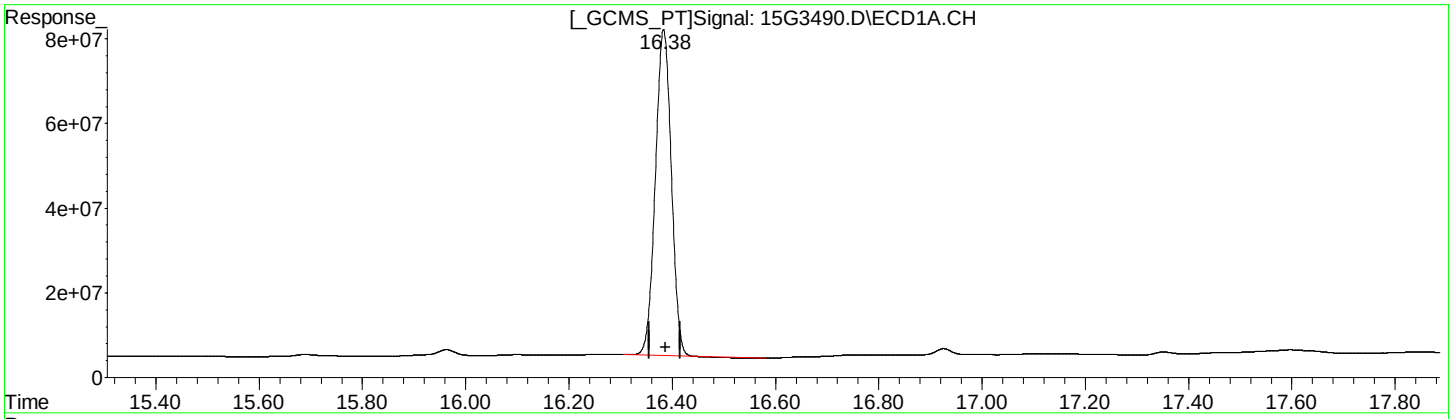
8081.M Thu Oct 20 08:38:15 2005 Page: 1

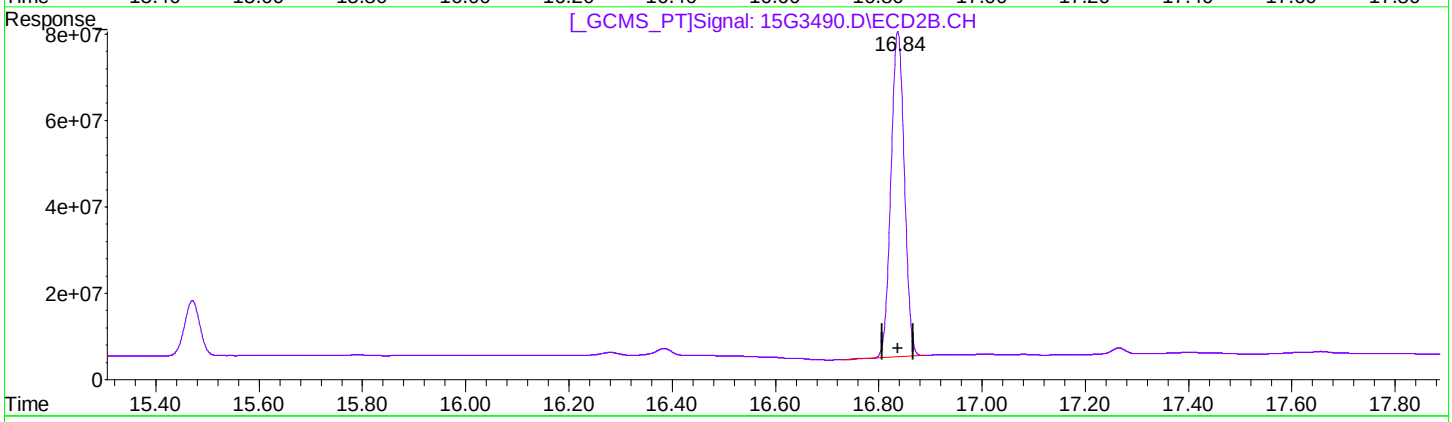
Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\101905\
Data File : 15G3490.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Oct 2005 18:33 (#1); 19 Oct 2005 19:01 (#2)
Operator : ECL
Sample : L0510264-01 10x
Misc : 7,10 SOIL
ALS Vial : 4 Sample Multiplier: 10

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 08:26:16 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Thu Oct 20 08:18:06 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(17) 4,4'-DDT

16.38min 127.620UG/L

response 1651499327

(17) 4,4'-DDT #2

16.84min 144.273UG/L

response 1360777937

(+) = Expected Retention Time

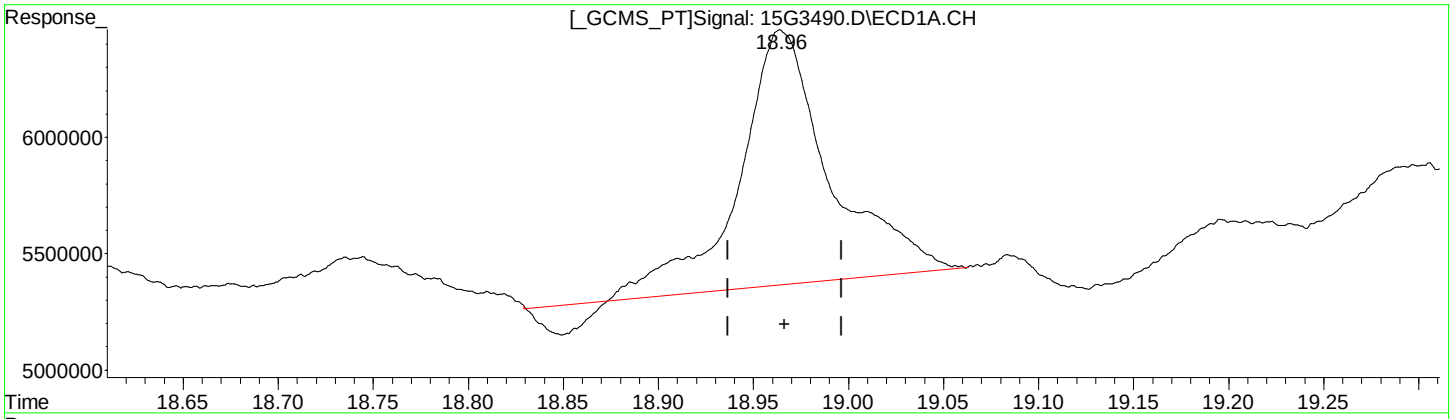
8081.M Thu Oct 20 08:38:21 2005 Page: 1

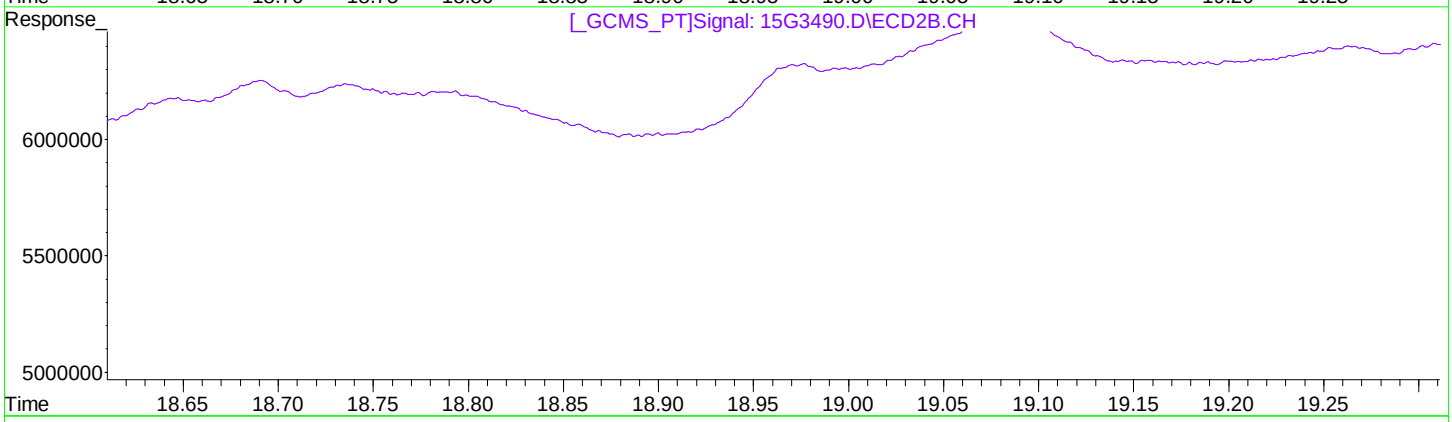
Quantitation Report (Qedit)

```
Data Path : C:\MSDCHEM\1\DATA\101905\
Data File : 15G3490.D
Signal(s) : Signal #1: ECD1A.CH  Signal #2: ECD2B.CH
Acq On    : 19 Oct 2005  18:33 (#1); 19 Oct 2005  19:01 (#2)
Operator  : ECL
Sample    : L0510264-01 10x
Misc      : 7,10 SOIL
ALS Vial  : 4   Sample Multiplier: 10

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 08:26:16 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title  : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Thu Oct 20 08:18:06 2005
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```





QEdit

(22) Decachlorobiphenyl (S)

18.96min 34.945UG/L

response 35202595

(22) Decachlorobiphenyl #2 (S)

0.00min 0.000UG/L

response 0

(+) = Expected Retention Time

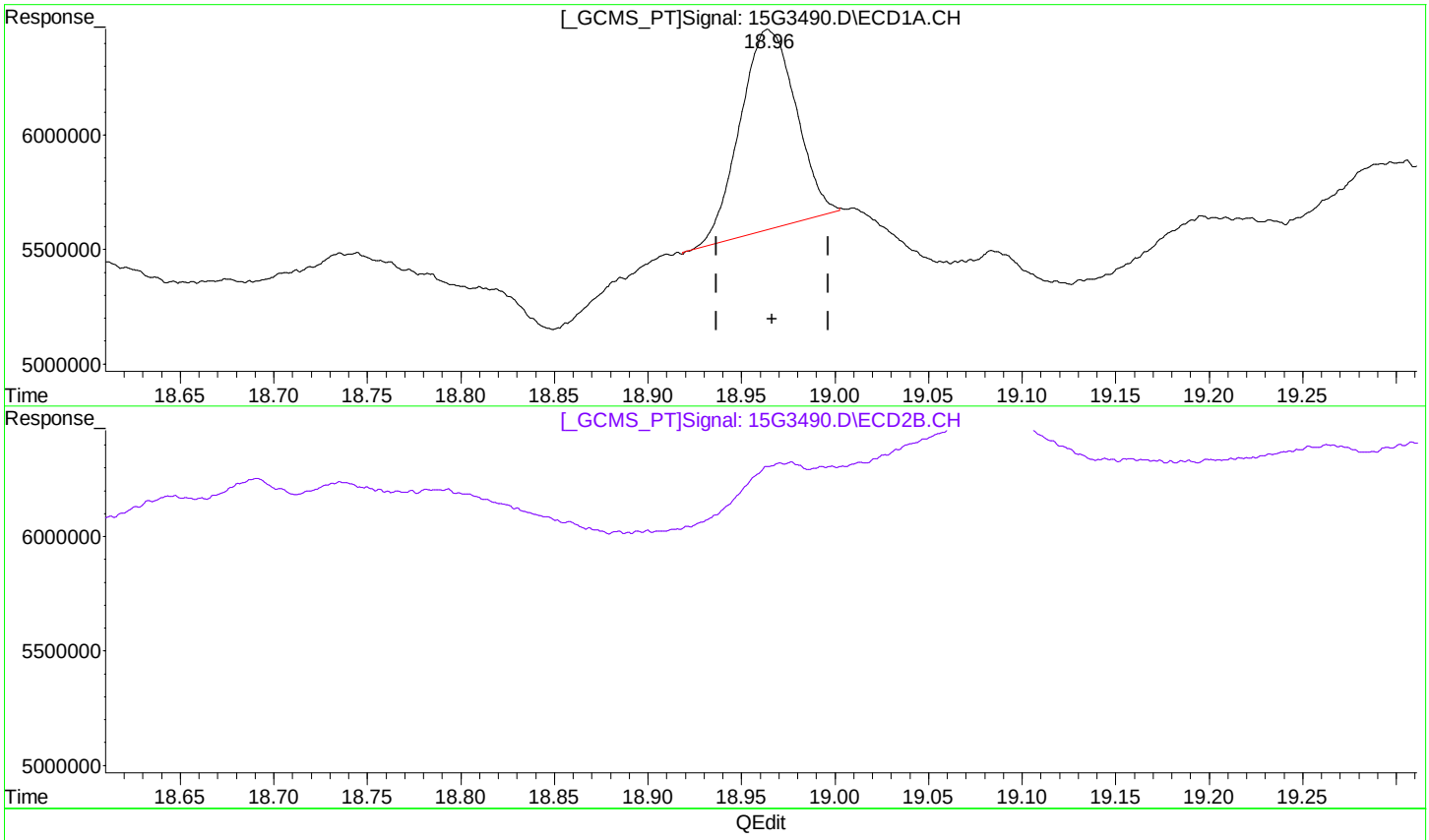
8081.M Thu Oct 20 08:38:58 2005 Page: 1

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\101905\
Data File : 15G3490.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Oct 2005 18:33 (#1); 19 Oct 2005 19:01 (#2)
Operator : ECL
Sample : L0510264-01 10x
Misc : 7,10 SOIL
ALS Vial : 4 Sample Multiplier: 10

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 08:26:16 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Thu Oct 20 08:18:06 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



QEdit

(22) Decachlorobiphenyl (S)

18.96min 18.050UG/L m

response 18182679

(22) Decachlorobiphenyl #2 (S)

0.00min 0.000UG/L

response 0

(+) = Expected Retention Time

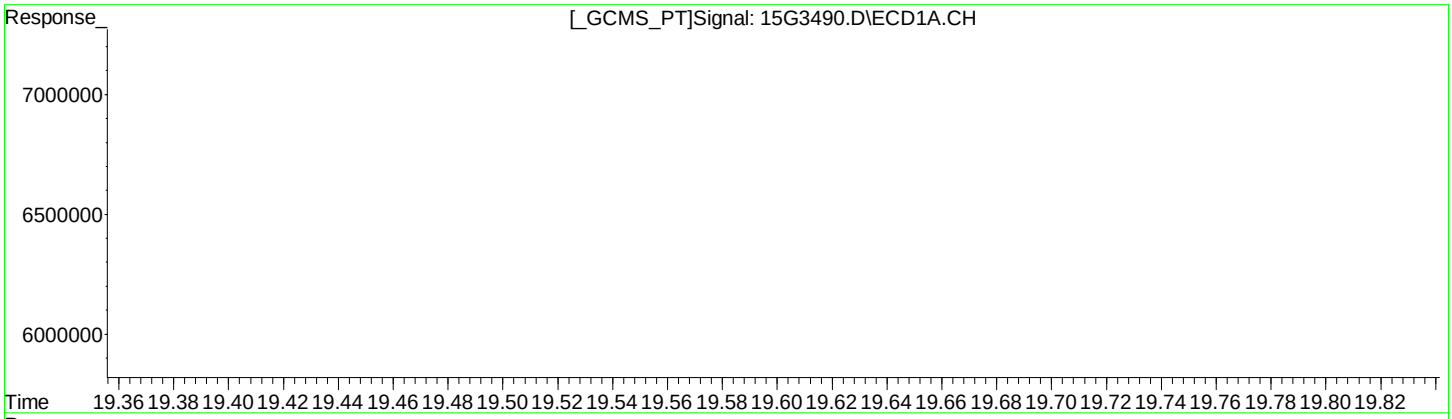
8081.M Thu Oct 20 08:39:03 2005 Page: 1

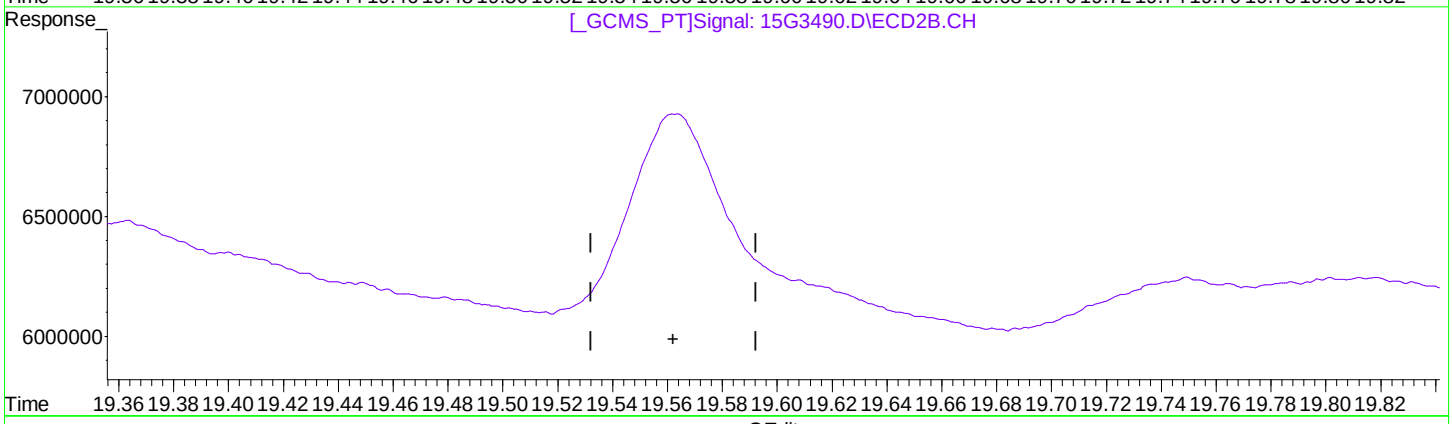
Quantitation Report (Qedit)

```
Data Path : C:\MSDCHEM\1\DATA\101905\
Data File : 15G3490.D
Signal(s) : Signal #1: ECD1A.CH  Signal #2: ECD2B.CH
Acq On    : 19 Oct 2005  18:33 (#1); 19 Oct 2005  19:01 (#2)
Operator  : ECL
Sample    : L0510264-01 10x
Misc      : 7,10 SOIL
ALS Vial  : 4   Sample Multiplier: 10

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 08:26:16 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title  : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Thu Oct 20 08:18:06 2005
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```





QEdit

(22) Decachlorobiphenyl (S)

18.96min 18.050UG/L m

response 18182679

(22) Decachlorobiphenyl #2 (S)

0.00min 0.000UG/L

response 0

(+) = Expected Retention Time

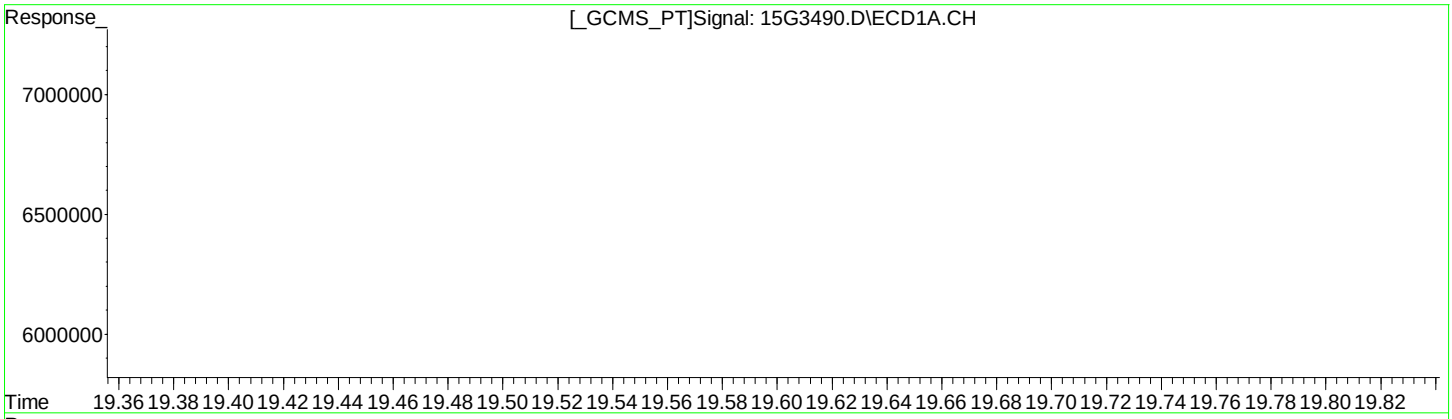
8081.M Thu Oct 20 08:39:09 2005 Page: 1

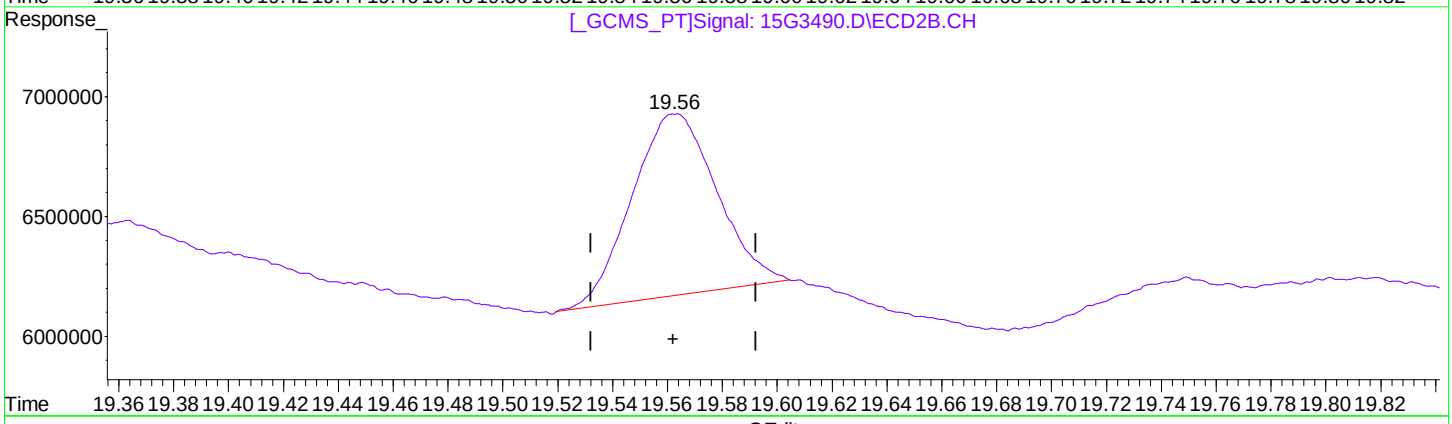
Quantitation Report (Qedit)

```
Data Path : C:\MSDCHEM\1\DATA\101905\
Data File : 15G3490.D
Signal(s) : Signal #1: ECD1A.CH  Signal #2: ECD2B.CH
Acq On    : 19 Oct 2005  18:33 (#1); 19 Oct 2005  19:01 (#2)
Operator  : ECL
Sample    : L0510264-01 10x
Misc      : 7,10 SOIL
ALS Vial  : 4   Sample Multiplier: 10

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 08:26:16 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title  : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Thu Oct 20 08:18:06 2005
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```





QEdit

(22) Decachlorobiphenyl (S)

18.96min 18.050UG/L m

response 18182679

(22) Decachlorobiphenyl #2 (S)

19.56min 17.920UG/L m

response 16271133

(+) = Expected Retention Time

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\101405\9G32676.D\ECD1A.CH Vial: 8
Acq On : 14 Oct 2005 17:55 Operator: ECL
Sample : L0510264-02 Inst : HP9
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : autoint1.e

Data File : C:\HPCHEM\1\DATA\101405\9G32676.D\ECD2B.CH Vial: 8
Acq On : 14 Oct 2005 18:23 Operator: ECL
Sample : L0510264-02 Inst : HP9
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : autoint2.e
Quant Time: Oct 17 8:26 2005 Quant Results File: 8081.RES

Quant Method : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title : CALIBRATION October 13, 2005 @ 21:10
Last Update : Mon Oct 17 08:24:42 2005
Response via : Initial Calibration
DataAcq Meth : 8081.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L	
	System Monitoring Compounds							
1) S	2,4,5,6-Tetrachl	9.93	9.44	107.0E6	122.6E6	13.668	13.812	
	Spiked Amount 20.000 Range 39 - 130 Recovery =					68.34%	69.06%	
22) S	Decachlorobiphen	19.02	19.12	108.8E6	102.9E6	22.749	19.829	
	Spiked Amount 20.000 Range 33 - 143 Recovery =					113.74%	99.15%	
	Target Compounds							
2)	alpha-BHC	11.17f	0.00	7581979	0	0.742	N.D.	#
3)	gamma-BHC	0.00	0.00	0	0	N.D.	N.D.	
4)	beta-BHC	0.00	0.00	0	0	N.D.	N.D.	
5)	Heptachlor	0.00	0.00	0	0	N.D.	N.D.	
6)	delta-BHC	0.00	0.00	0	0	N.D.	N.D.	
7)	Aldrin	0.00	0.00	0	0	N.D.	N.D.	
8)	Heptachlor Epoxi	14.45	0.00	7808914	0	0.997	N.D.	#
9)	gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.	
10)	alpha-Chlordane	14.88f	0.00	12824820	0	1.669	N.D.	#
11)	Endosulfan I	0.00	0.00	0	0	N.D.	N.D.	
12)	4,4'-DDE	15.04	14.97f	189.6E6	262.6E6	28.022	32.132	
13)	Dieldrin	0.00	0.00	0	0	N.D.	N.D.	
14)	Endrin	0.00	0.00	0	0	N.D.	N.D.	
15)	4,4'-DDD	0.00	15.96f	0	16587168	N.D.	2.416	#
16)	Endosulfan II	0.00	0.00	0	0	N.D.	N.D.	
17)	4,4'-DDT	16.46	16.44	313.1E6	337.7E6	55.249	57.015	
18)	Endrin Aldehyde	0.00	0.00	0	0	N.D.	N.D.	
19)	Endosulfan Sulfa	17.46f	16.97f	16668326	39946584	3.829	6.275	#
20)	Methoxychlor	17.15	17.36f	27933706	50321776	9.728	15.514	#
21)	Endrin Ketone	0.00	17.70	0	16011902	N.D.	2.064	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

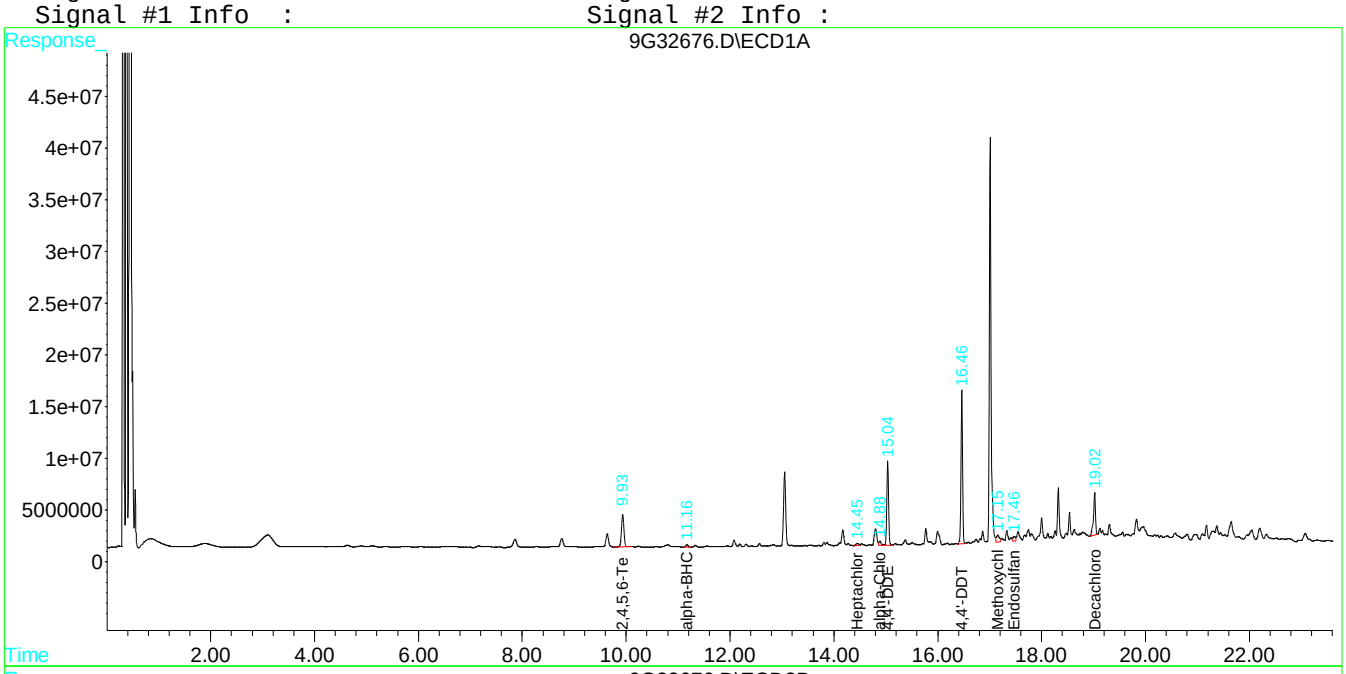
Quantitation Report (Not Reviewed)

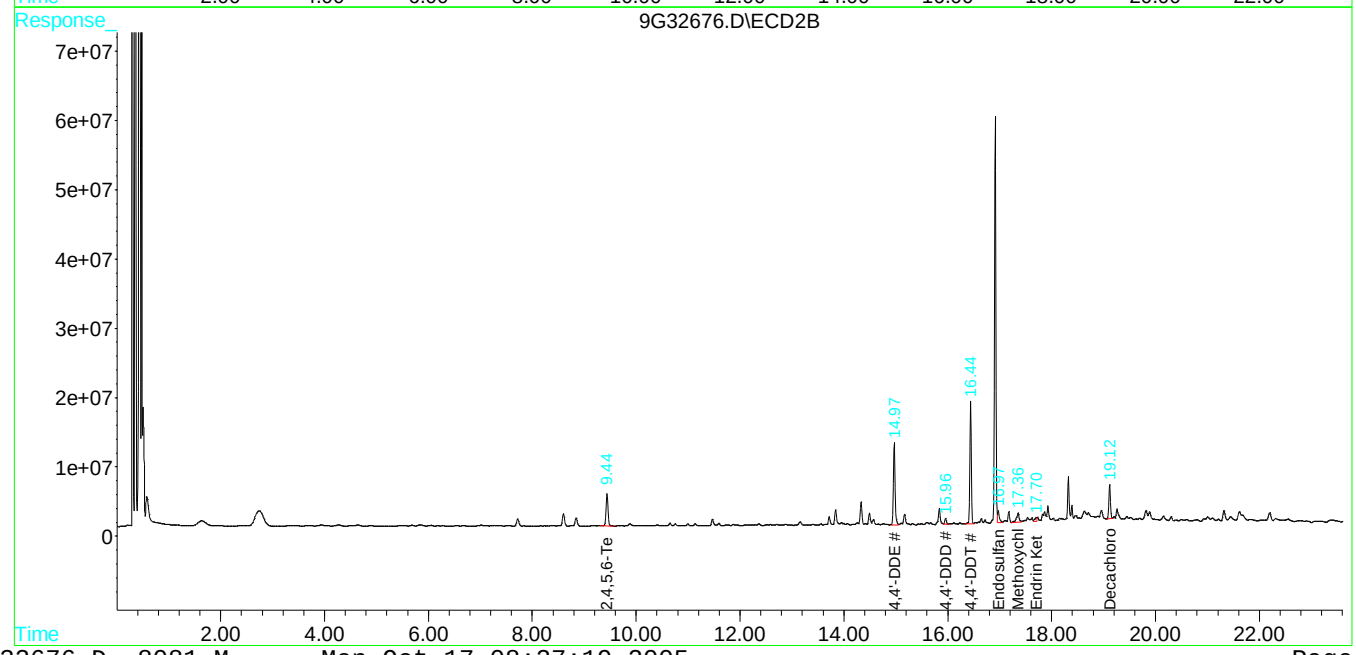
Data File : C:\HPCHEM\1\DATA\101405\9G32676.D\ECD1A.CH Vial: 8
Acq On : 14 Oct 2005 17:55 Operator: ECL
Sample : L0510264-02 Inst : HP9
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : autoint1.e

Data File : C:\HPCHEM\1\DATA\101405\9G32676.D\ECD2B.CH Vial: 8
Acq On : 14 Oct 2005 18:23 Operator: ECL
Sample : L0510264-02 Inst : HP9
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : autoint2.e
Quant Time: Oct 17 8:26 2005 Quant Results File: 8081.RES

Quant Method : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title : CALIBRATION October 13, 2005 @ 21:10
Last Update : Mon Oct 17 08:24:42 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8081.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



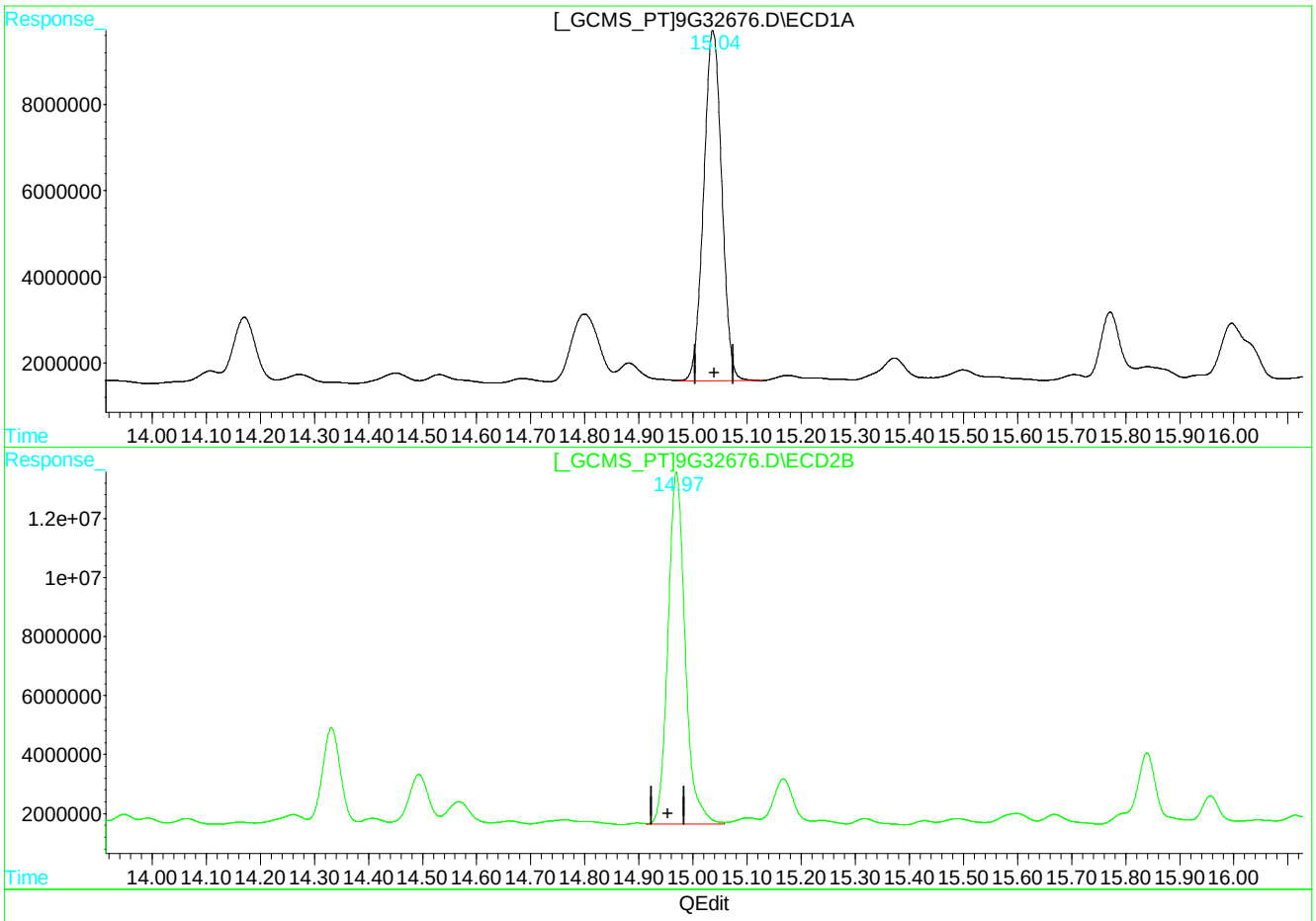


Quantitation Report (Qedit)

```
Data File : C:\HPCHEM\1\DATA\101405\9G32676.D\ECD1A.CH   Vial: 8
Acq On    : 14 Oct 2005  17:55                          Operator: ECL
Sample    : L0510264-02                                 Inst    : HP9
Misc      : 7,1 SOIL                                    Multiplr: 1.00
IntFile   : autoint1.e

Data File : C:\HPCHEM\1\DATA\101405\9G32676.D\ECD2B.CH   Vial: 8
Acq On    : 14 Oct 2005  18:23                          Operator: ECL
Sample    : L0510264-02                                 Inst    : HP9
Misc      : 7,1 SOIL                                    Multiplr: 1.00
IntFile   : autoint2.e
Quant Time: Oct 17  8:26 2005  Quant Results File: 8081.RES


Method       : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title        : CALIBRATION October 13, 2005 @ 21:10
Last Update  : Mon Oct 17 08:26:28 2005
Response via : Multiple Level Calibration
```



QEdit

(12) 4,4'-DDE

15.04min 28.022UG/L

response 189640655

(12) 4,4'-DDE #2

14.97min 32.132UG/L

response 262563564

(+) = Expected Retention Time

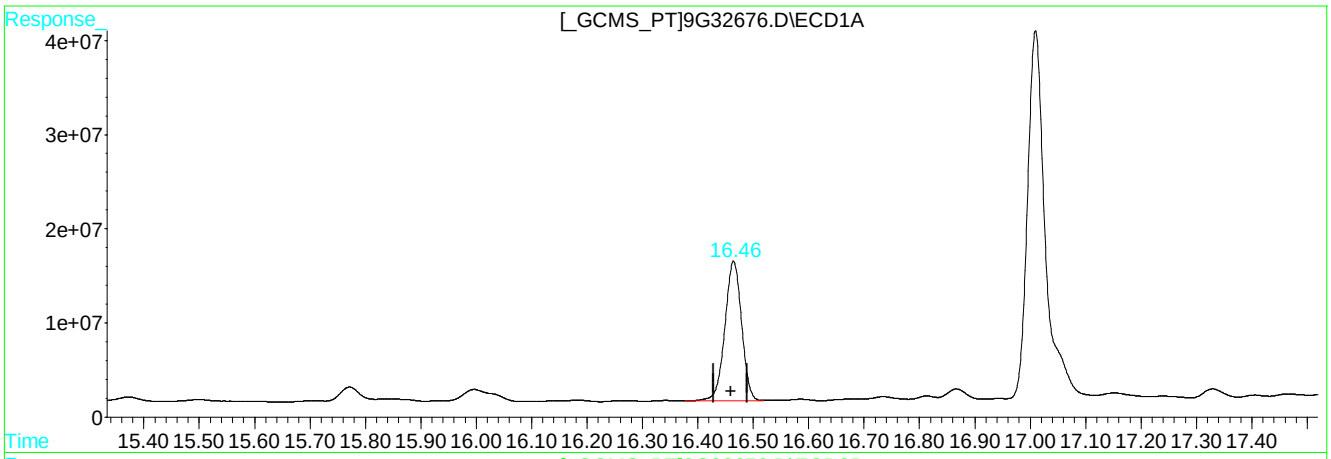
9G32676.D 8081.M Mon Oct 17 08:33:07 2005

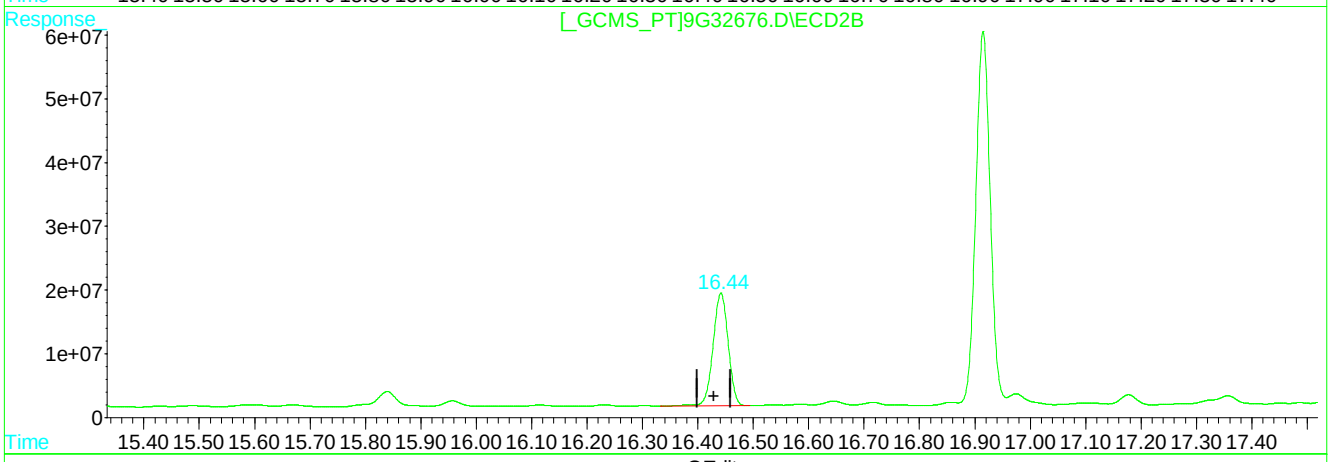
Quantitation Report (Qedit)

```
Data File : C:\HPCHEM\1\DATA\101405\9G32676.D\ECD1A.CH   Vial: 8
Acq On    : 14 Oct 2005  17:55                          Operator: ECL
Sample    : L0510264-02                                 Inst    : HP9
Misc      : 7,1 SOIL                                    Multiplr: 1.00
IntFile   : autoint1.e

Data File : C:\HPCHEM\1\DATA\101405\9G32676.D\ECD2B.CH   Vial: 8
Acq On    : 14 Oct 2005  18:23                          Operator: ECL
Sample    : L0510264-02                                 Inst    : HP9
Misc      : 7,1 SOIL                                    Multiplr: 1.00
IntFile   : autoint2.e
Quant Time: Oct 17  8:26 2005  Quant Results File: 8081.RES


Method       : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title        : CALIBRATION October 13, 2005 @ 21:10
Last Update  : Mon Oct 17 08:26:28 2005
Response via : Multiple Level Calibration
```





QEdit

(17) 4,4'-DDT

16.46min 55.249UG/L

response 313086542

(17) 4,4'-DDT #2

16.44min 57.015UG/L

response 337655497

(+) = Expected Retention Time

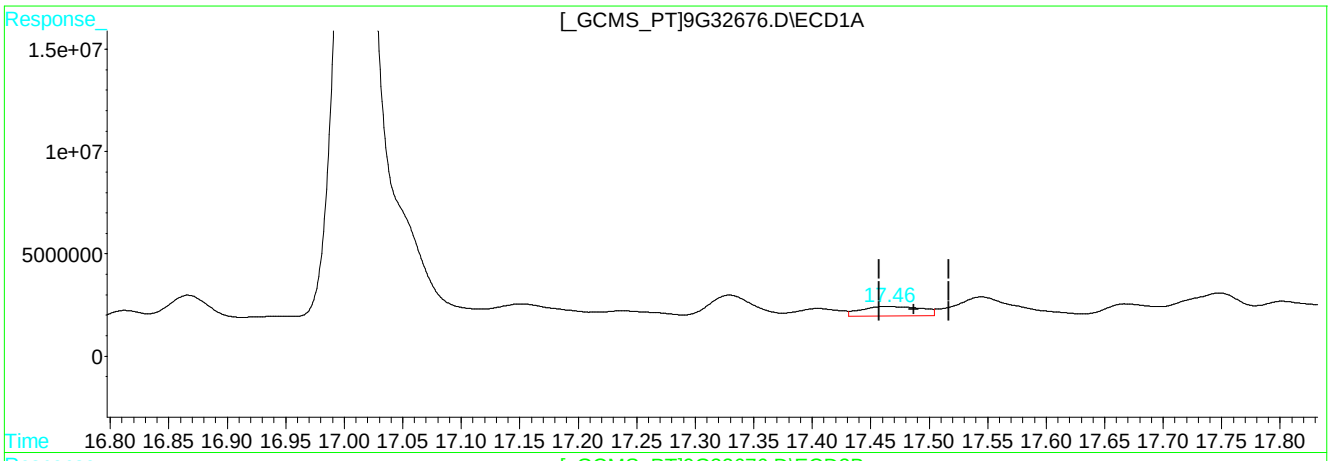
9G32676.D 8081.M Mon Oct 17 08:33:16 2005

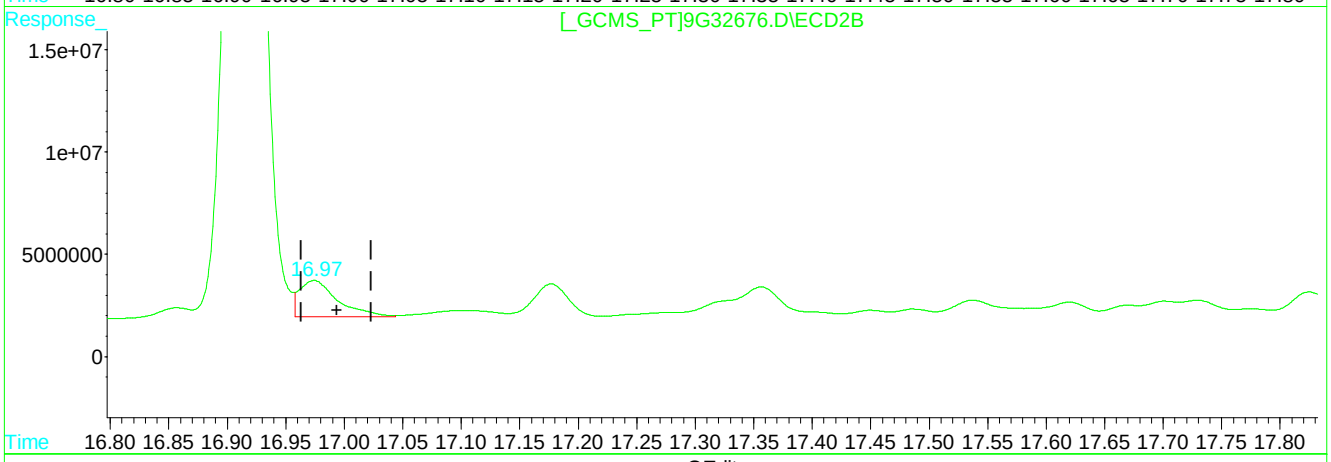
Quantitation Report (Qedit)

```
Data File : C:\HPCHEM\1\DATA\101405\9G32676.D\ECD1A.CH   Vial: 8
Acq On    : 14 Oct 2005  17:55                          Operator: ECL
Sample    : L0510264-02                                 Inst    : HP9
Misc      : 7,1 SOIL                                    Multiplr: 1.00
IntFile   : autoint1.e

Data File : C:\HPCHEM\1\DATA\101405\9G32676.D\ECD2B.CH   Vial: 8
Acq On    : 14 Oct 2005  18:23                          Operator: ECL
Sample    : L0510264-02                                 Inst    : HP9
Misc      : 7,1 SOIL                                    Multiplr: 1.00
IntFile   : autoint2.e
Quant Time: Oct 17  8:26 2005  Quant Results File: 8081.RES


Method       : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title        : CALIBRATION October 13, 2005 @ 21:10
Last Update  : Mon Oct 17 08:26:28 2005
Response via : Multiple Level Calibration
```





QEdit

(19) Endosulfan Sulfate

17.46min 3.829UG/L

response 16668326

(19) Endosulfan Sulfate #2

16.97min 6.275UG/L

response 39946584

(+) = Expected Retention Time

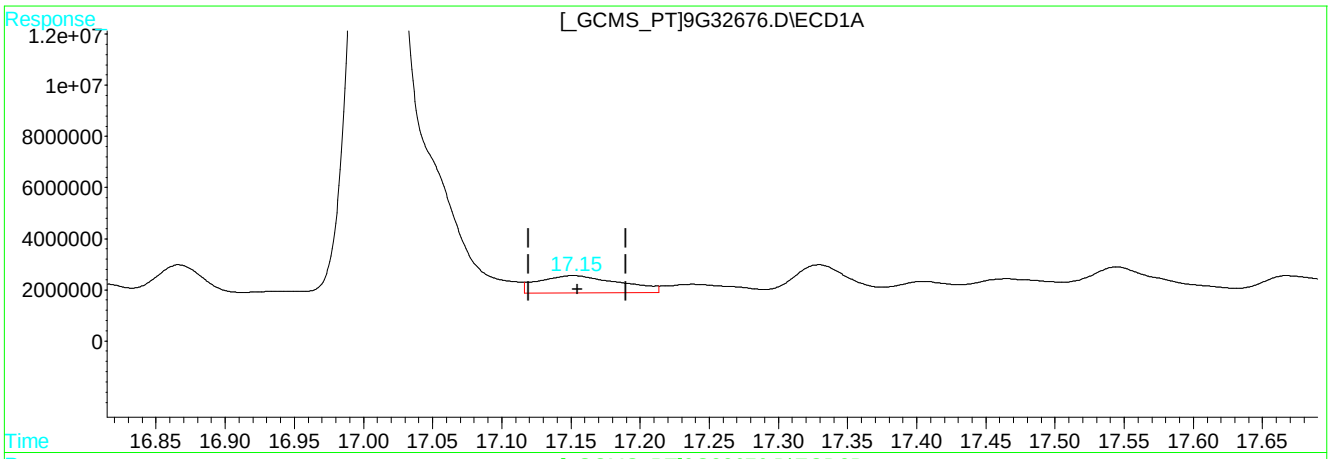
9G32676.D 8081.M Mon Oct 17 08:33:25 2005

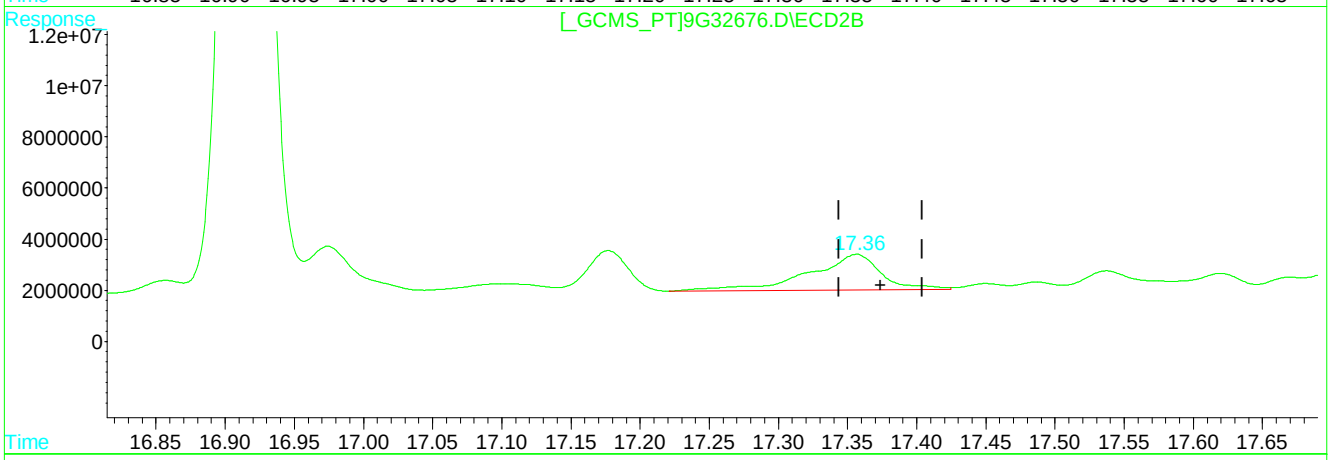
Quantitation Report (Qedit)

```
Data File : C:\HPCHEM\1\DATA\101405\9G32676.D\ECD1A.CH   Vial: 8
Acq On    : 14 Oct 2005  17:55                          Operator: ECL
Sample    : L0510264-02                                 Inst    : HP9
Misc      : 7,1 SOIL                                    Multiplr: 1.00
IntFile   : autoint1.e

Data File : C:\HPCHEM\1\DATA\101405\9G32676.D\ECD2B.CH   Vial: 8
Acq On    : 14 Oct 2005  18:23                          Operator: ECL
Sample    : L0510264-02                                 Inst    : HP9
Misc      : 7,1 SOIL                                    Multiplr: 1.00
IntFile   : autoint2.e
Quant Time: Oct 17  8:26 2005  Quant Results File: 8081.RES


Method       : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title        : CALIBRATION October 13, 2005 @ 21:10
Last Update  : Mon Oct 17 08:26:28 2005
Response via : Multiple Level Calibration
```





QEdit

(20) Methoxychlor

17.15min 9.728UG/L

response 27933706

(20) Methoxychlor #2

17.36min 15.514UG/L

response 50321776

(+) = Expected Retention Time

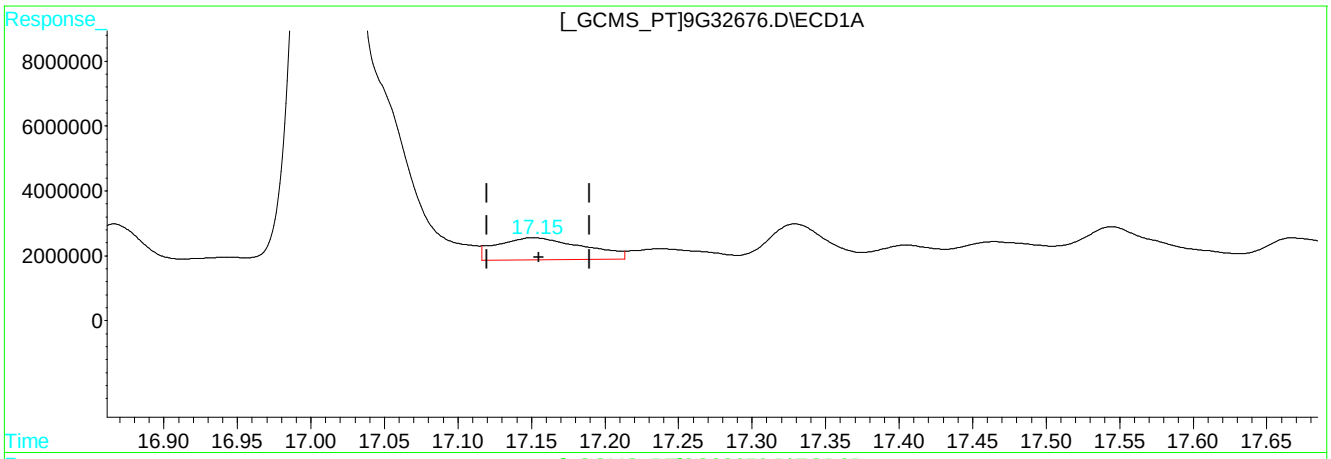
9G32676.D 8081.M Mon Oct 17 08:33:33 2005

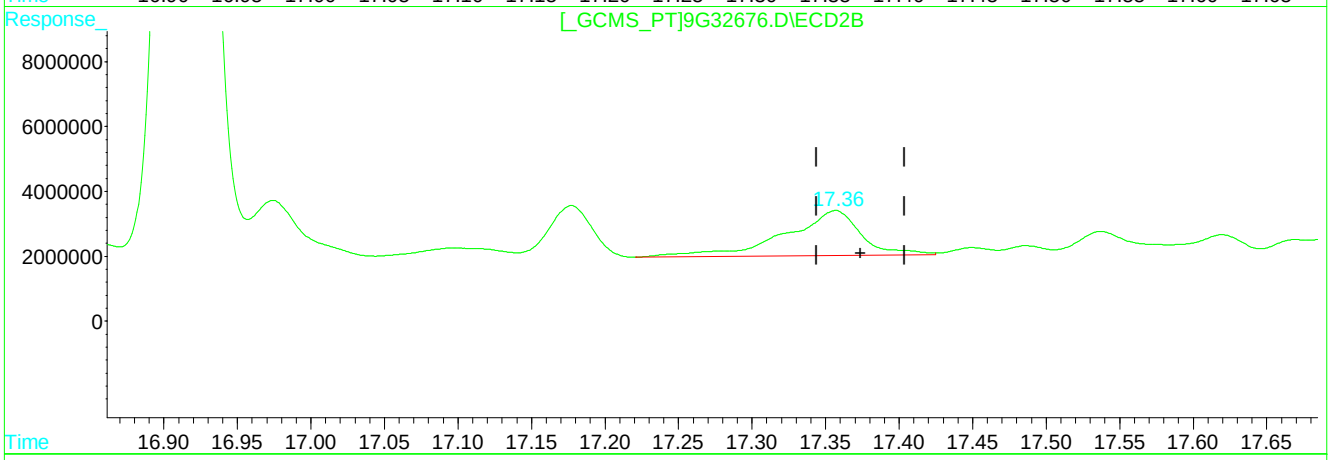
Quantitation Report (Qedit)

```
Data File : C:\HPCHEM\1\DATA\101405\9G32676.D\ECD1A.CH   Vial: 8
Acq On    : 14 Oct 2005  17:55                          Operator: ECL
Sample    : L0510264-02                                 Inst    : HP9
Misc      : 7,1 SOIL                                    Multiplr: 1.00
IntFile   : autoint1.e

Data File : C:\HPCHEM\1\DATA\101405\9G32676.D\ECD2B.CH   Vial: 8
Acq On    : 14 Oct 2005  18:23                          Operator: ECL
Sample    : L0510264-02                                 Inst    : HP9
Misc      : 7,1 SOIL                                    Multiplr: 1.00
IntFile   : autoint2.e
Quant Time: Oct 17  8:26 2005  Quant Results File: 8081.RES


Method       : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title        : CALIBRATION October 13, 2005 @ 21:10
Last Update  : Mon Oct 17 08:26:28 2005
Response via : Multiple Level Calibration
```





QEdit

(20) Methoxychlor

17.15min 9.728UG/L

response 27933706

(20) Methoxychlor #2

17.36min 15.514UG/L

response 50321776

(+) = Expected Retention Time

9G32676.D 8081.M Mon Oct 17 08:38:07 2005

Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\101905\
Data File : 15G3482.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Oct 2005 12:01 (#1); 19 Oct 2005 12:29 (#2)
Operator : ECL
Sample : L0510264-02 CF
Misc : 7,1 SOIL
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 19 13:50:23 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Tue Oct 04 10:14:22 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L	
	System Monitoring Compounds							
1)	S 2,4,5,6-Tetrachl	9.60	9.83	243.3E6	276.3E6	15.283	15.712	
	Spiked Amount 20.000 Range 29 - 133 Recovery =					76.42%	78.56%	
22)	S Decachlorobiphen	18.97	19.56	311.9E6	261.1E6	30.965	28.753	
	Spiked Amount 20.000 Range 30 - 173 Recovery =					154.82%	143.77%	
	Target Compounds							
2)	alpha-BHC	0.00	0.00	0	0	N.D.	N.D.	
3)	gamma-BHC	0.00	12.03f	0	26500416	N.D.	1.302	#
4)	beta-BHC	0.00	0.00	0	0	N.D.	N.D.	
5)	Heptachlor	0.00	0.00	0	0	N.D.	N.D.	
6)	delta-BHC	0.00	0.00	0	0	N.D.	N.D.	
7)	Aldrin	0.00	0.00	0	0	N.D.	N.D.	
8)	Heptachlor Epoxi	14.37	0.00	19787054	0	1.149	N.D.	#
9)	gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.	
10)	alpha-Chlordane	0.00	0.00	0	0	N.D.	N.D.	
11)	Endosulfan I	0.00	0.00	0	0	N.D.	N.D.	
12)	4,4'-DDE	14.97	15.47	492.9E6	516.1E6	29.519	36.205	
13)	Dieldrin	15.47f	0.00	44661682	0	2.709	N.D.	#
14)	Endrin	0.00	0.00	0	0	N.D.	N.D.	
15)	4,4'-DDD	15.96	16.38	129.0E6	35324840	9.763	3.233	#
16)	Endosulfan II	0.00	0.00	0	0	N.D.	N.D.	
17)	4,4'-DDT	16.39	16.84	803.5E6	697.2E6	62.089	73.924	
18)	Endrin Aldehyde	0.00	17.01	0	17592540	N.D.	1.915	#
19)	Endosulfan Sulfa	17.43	17.36f	32854144	73503222	3.026	7.360	#
20)	Methoxychlor	0.00	17.73f	0	56707830	N.D.	10.668	#
21)	Endrin Ketone	0.00	18.09f	0	20486681	N.D.	1.901	#

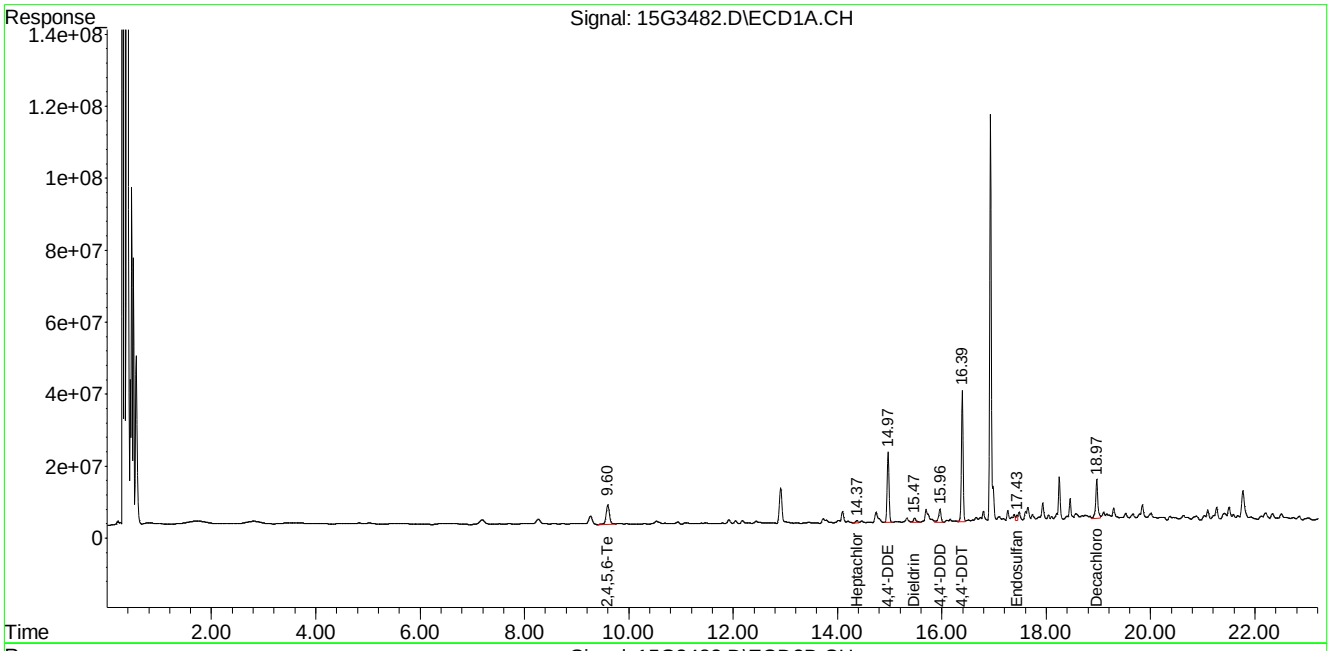
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

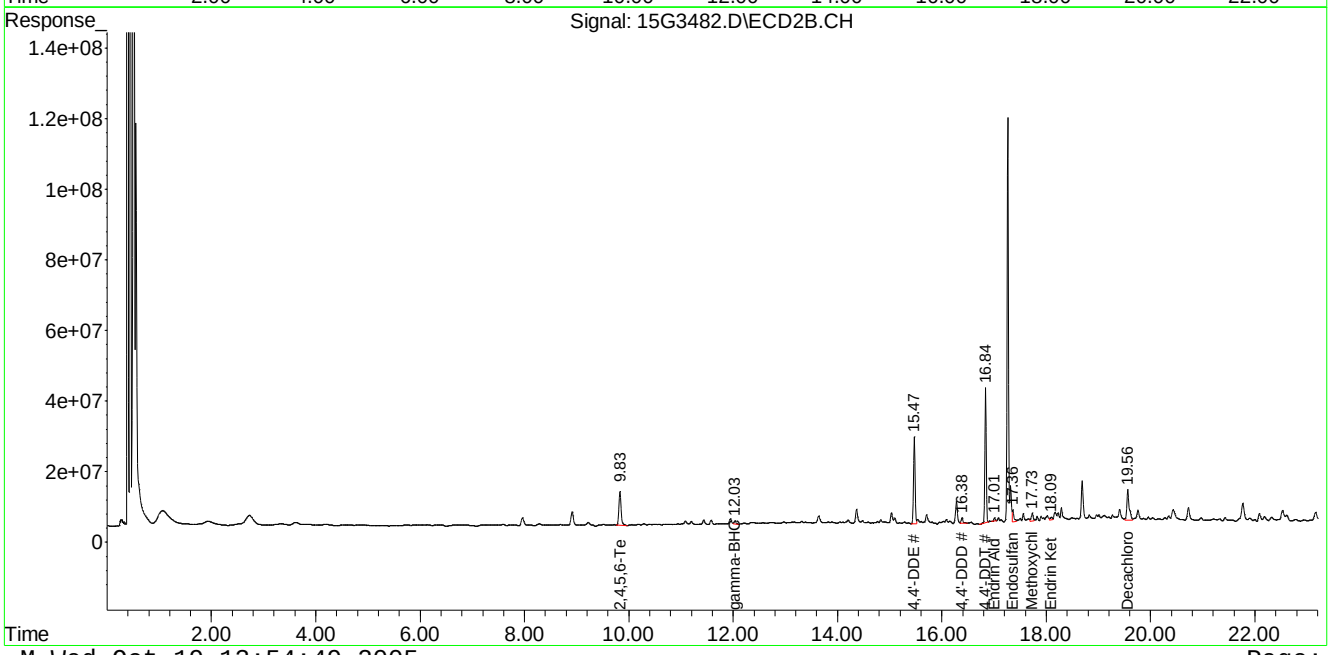
Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\101905\
Data File : 15G3482.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Oct 2005 12:01 (#1); 19 Oct 2005 12:29 (#2)
Operator : ECL
Sample : L0510264-02 CF
Misc : 7,1 SOIL
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 19 13:50:23 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Tue Oct 04 10:14:22 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



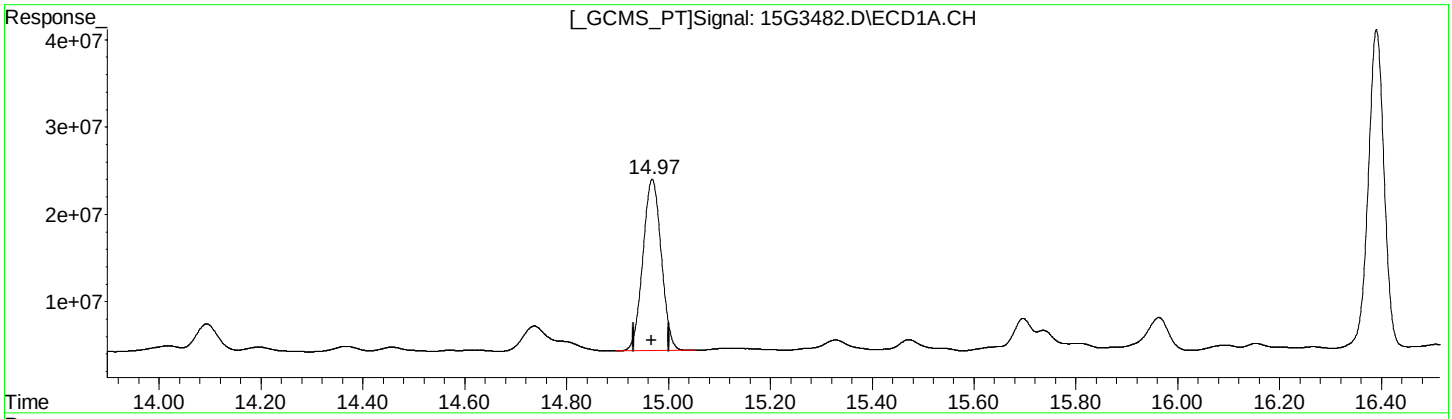


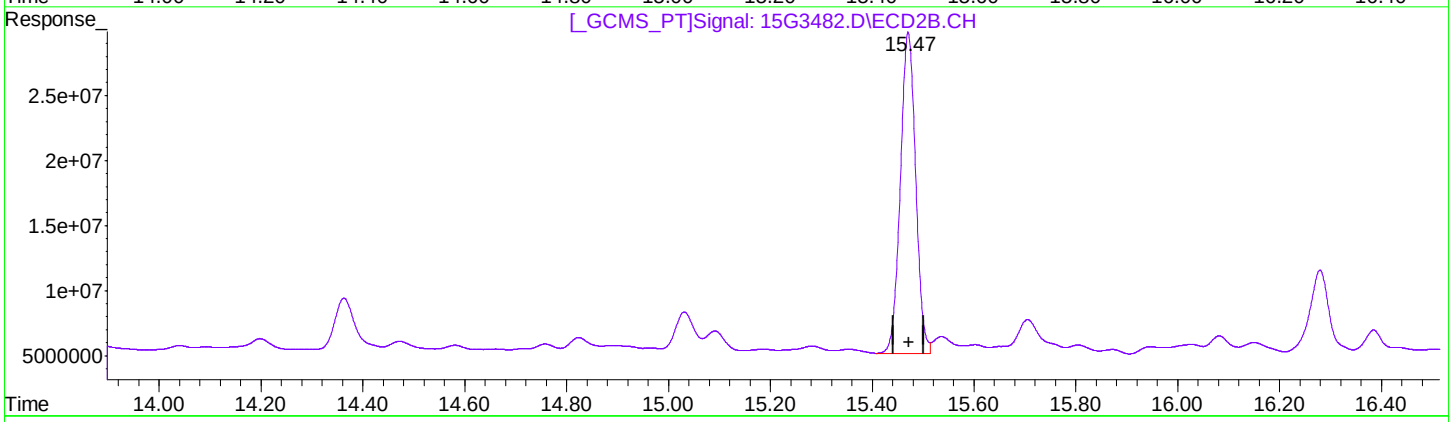
Quantitation Report (Qedit)

Data Path : C:\MSDChem\1\DATA\101905\
Data File : 15G3482.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Oct 2005 12:01 (#1); 19 Oct 2005 12:29 (#2)
Operator : ECL
Sample : L0510264-02 CF
Misc : 7,1 SOIL
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 19 13:50:23 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Tue Oct 04 10:14:22 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(12) 4,4'-DDE

14.97min 29.519UG/L

response 492928712

(12) 4,4'-DDE #2

15.47min 36.205UG/L

response 516146089

(+) = Expected Retention Time

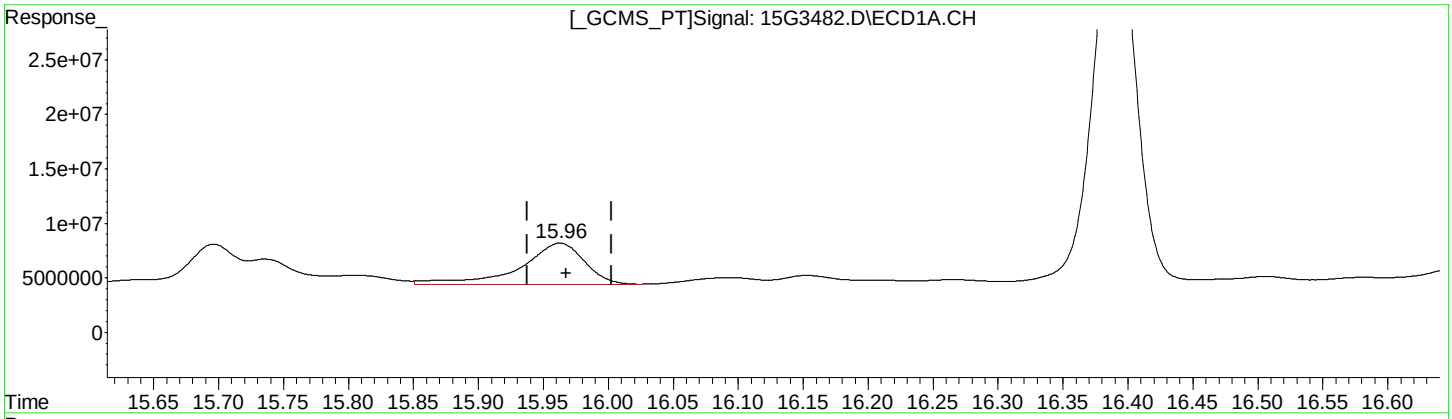
8081.M Wed Oct 19 13:55:02 2005 Page: 1

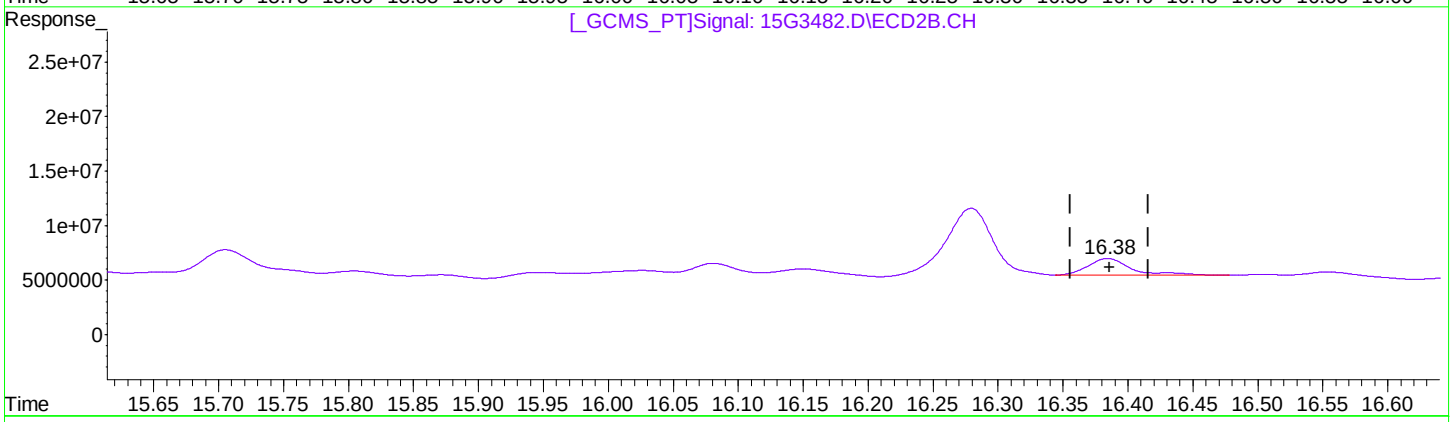
Quantitation Report (Qedit)

Data Path : C:\MSDChem\1\DATA\101905\
Data File : 15G3482.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Oct 2005 12:01 (#1); 19 Oct 2005 12:29 (#2)
Operator : ECL
Sample : L0510264-02 CF
Misc : 7,1 SOIL
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 19 13:50:23 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Tue Oct 04 10:14:22 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(15) 4,4'-DDD

15.96min 9.763UG/L

response 129028581

(15) 4,4'-DDD #2

16.38min 3.233UG/L

response 35324840

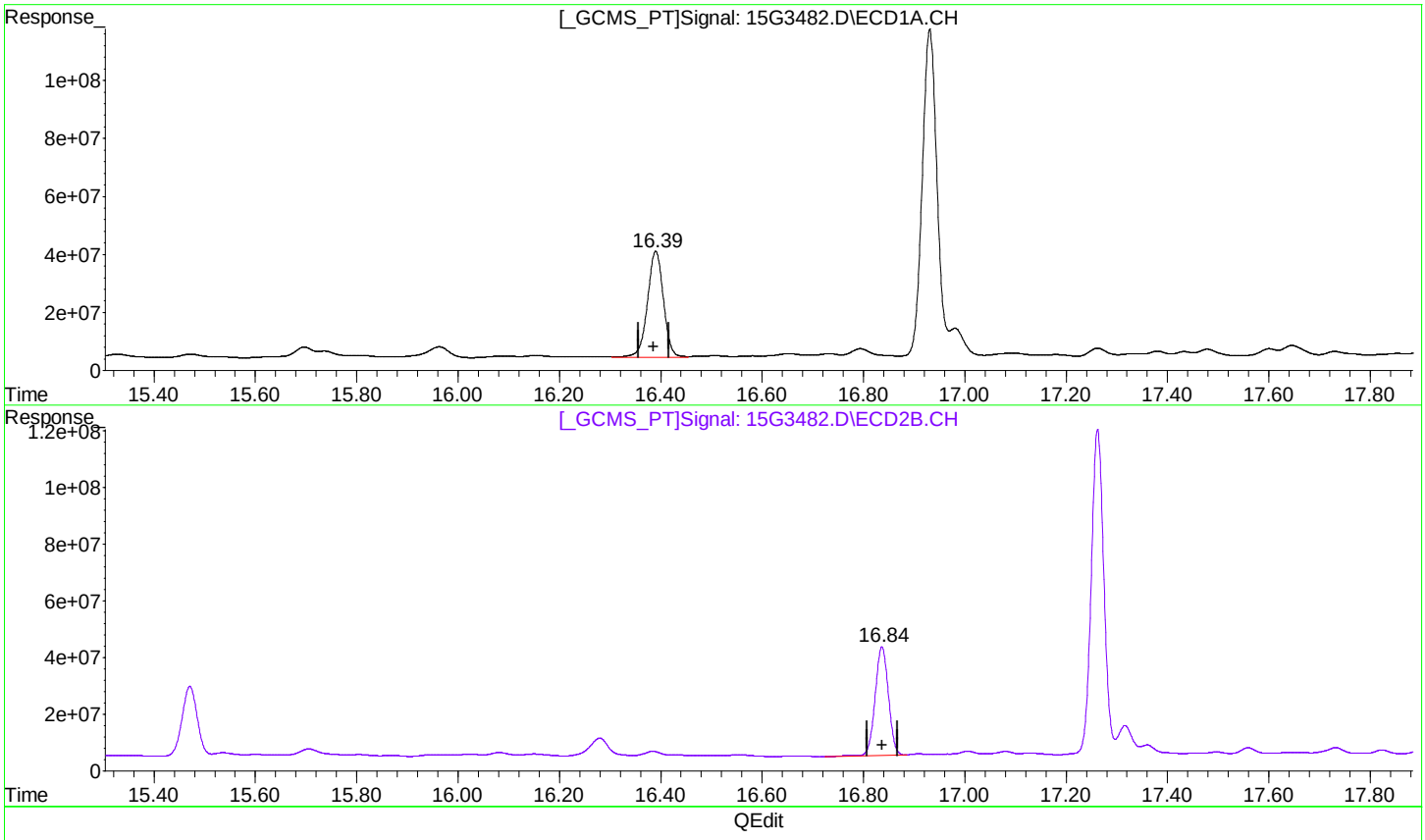
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\MSDChem\1\DATA\101905\
Data File : 15G3482.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Oct 2005 12:01 (#1); 19 Oct 2005 12:29 (#2)
Operator : ECL
Sample : L0510264-02 CF
Misc : 7,1 SOIL
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 19 13:50:23 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Tue Oct 04 10:14:22 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) 4,4'-DDT
16.39min 62.089UG/L
response 803483422

(17) 4,4'-DDT #2
16.84min 73.924UG/L
response 697245347

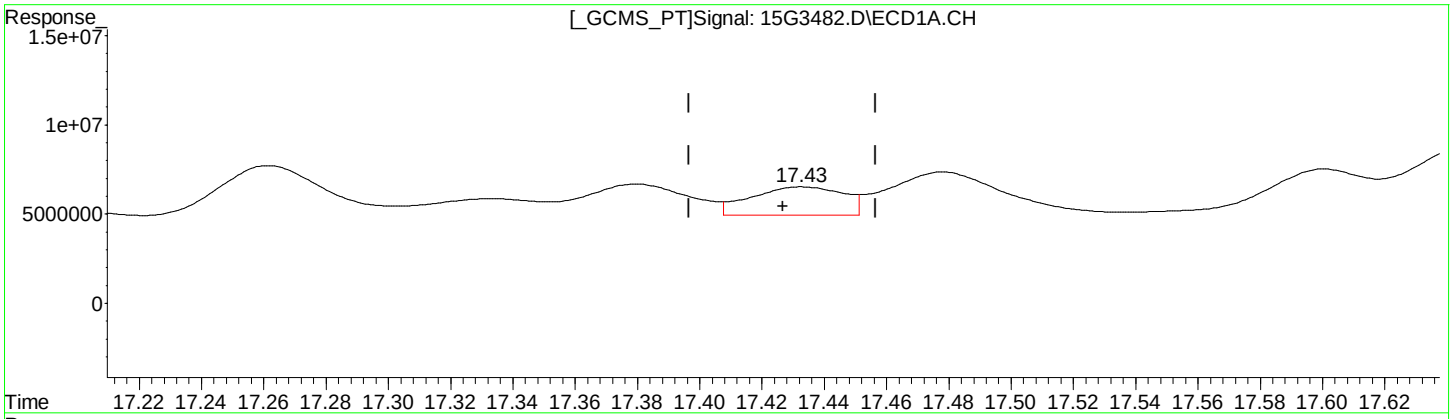
(+) = Expected Retention Time
8081.M Wed Oct 19 13:55:18 2005 Page: 1

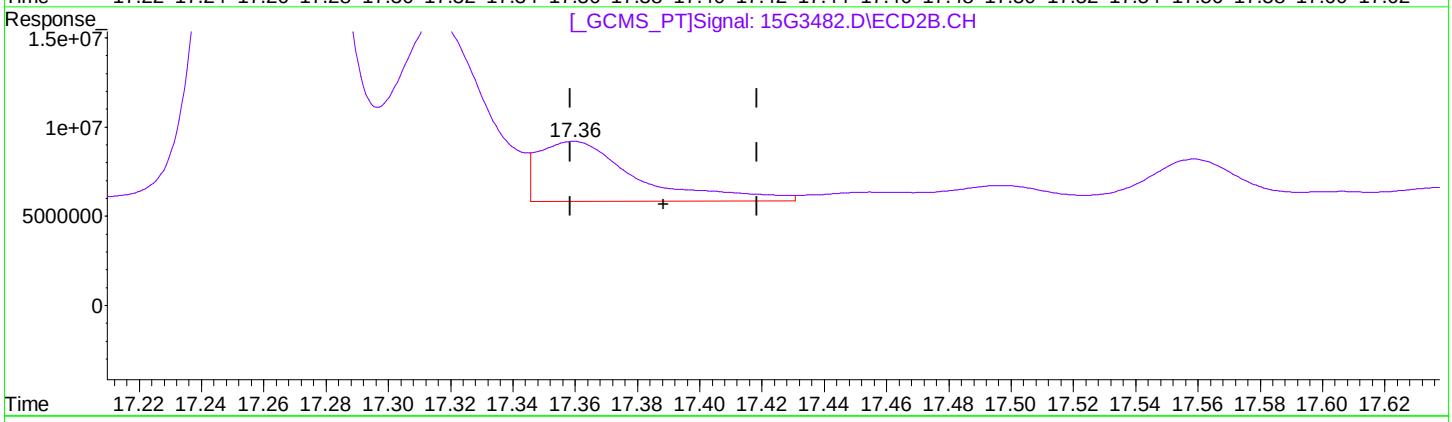
Quantitation Report (Qedit)

```
Data Path : C:\MSDChem\1\DATA\101905\
Data File : 15G3482.D
Signal(s) : Signal #1: ECD1A.CH  Signal #2: ECD2B.CH
Acq On    : 19 Oct 2005  12:01 (#1); 19 Oct 2005  12:29 (#2)
Operator  : ECL
Sample    : L0510264-02 CF
Misc      : 7,1 SOIL
ALS Vial  : 3   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 19 13:50:23 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title  : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Tue Oct 04 10:14:22 2005
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```





QEdit

(19) Endosulfan Sulfate

17.43min 3.026UG/L

response 32854144

(19) Endosulfan Sulfate #2

17.36min 7.360UG/L

response 73503222

(+) = Expected Retention Time

8081.M Wed Oct 19 13:55:28 2005 Page: 1

Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\101905\
Data File : 15G3489.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Oct 2005 18:05 (#1); 19 Oct 2005 18:33 (#2)
Operator : ECL
Sample : L0510264-02 CF
Misc : 7,1 SOIL
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 08:26:05 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Thu Oct 20 08:18:06 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L	
	System Monitoring Compounds							
1) S	2,4,5,6-Tetrachl	9.57	9.83	237.1E6	300.3E6	14.890	17.077	
	Spiked Amount 20.000 Range 29 - 133 Recovery =					74.45%	85.39%	
22) S	Decachlorobiphen	18.96	19.56	425.6E6	252.8E6	42.247	27.844	#
	Spiked Amount 20.000 Range 30 - 173 Recovery =					211.24%#	139.22%	
	Target Compounds							
2)	alpha-BHC	0.00	0.00	0	0	N.D.	N.D.	
3)	gamma-BHC	0.00	0.00	0	0	N.D.	N.D.	
4)	beta-BHC	11.90f	0.00	45268570	0	4.883	N.D.	#
5)	Heptachlor	0.00	0.00	0	0	N.D.	N.D.	
6)	delta-BHC	0.00	0.00	0	0	N.D.	N.D.	
7)	Aldrin	0.00	0.00	0	0	N.D.	N.D.	
8)	Heptachlor Epoxi	14.36	0.00	17785744	0	1.032	N.D.	#
9)	gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.	
10)	alpha-Chlordane	0.00	15.21f	0	44725272	N.D.	2.920	#
11)	Endosulfan I	0.00	0.00	0	0	N.D.	N.D.	
12)	4,4'-DDE	14.96	15.47	500.5E6	520.5E6	29.969	34.743	
13)	Dieldrin	15.46f	0.00	46855892	0	2.842	N.D.	#
14)	Endrin	0.00	0.00	0	0	N.D.	N.D.	
15)	4,4'-DDD	15.95	16.39	128.7E6	27230877	9.737	2.492	#
16)	Endosulfan II	0.00	0.00	0	0	N.D.	N.D.	
17)	4,4'-DDT	16.38	16.84	817.7E6	701.3E6	63.189	74.351	
18)	Endrin Aldehyde	0.00	17.01	0	15159748	N.D.	1.650	#
19)	Endosulfan Sulfa	0.00	17.36f	0	69148806	N.D.	6.924	#
20)	Methoxychlor	17.08f	17.73f	77147191	55100395	11.735	10.365	
21)	Endrin Ketone	0.00	0.00	0	0	N.D.	N.D.	

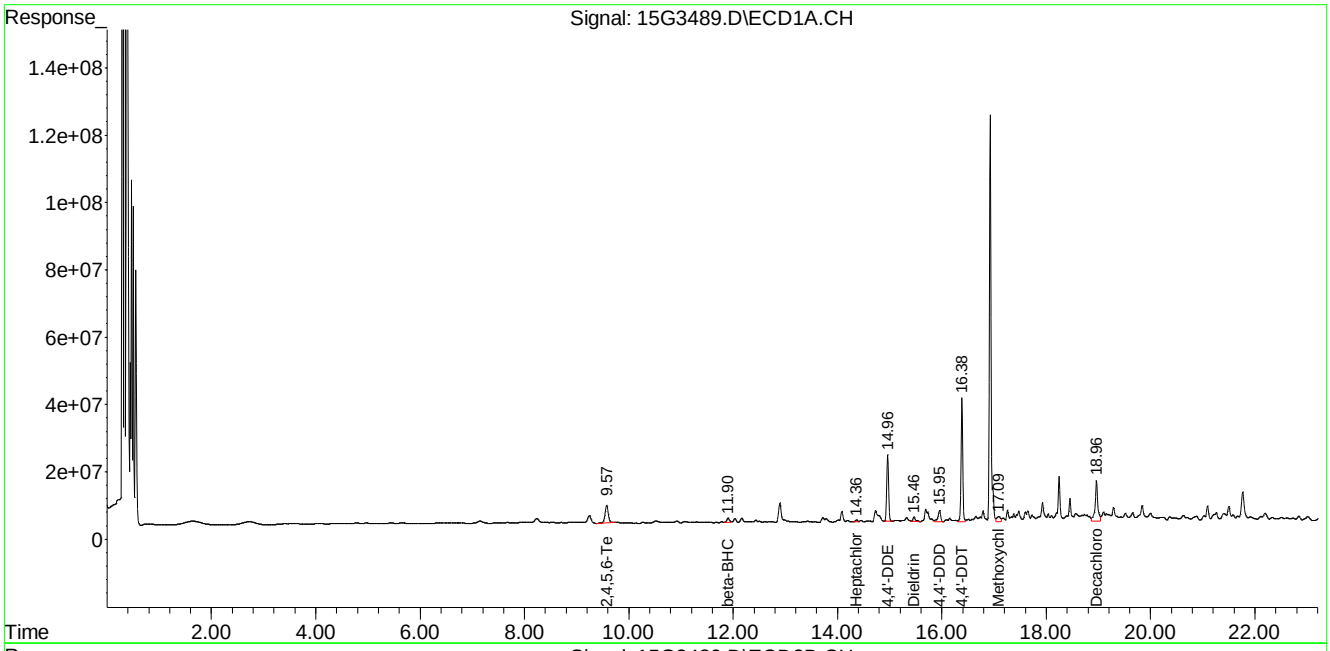
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

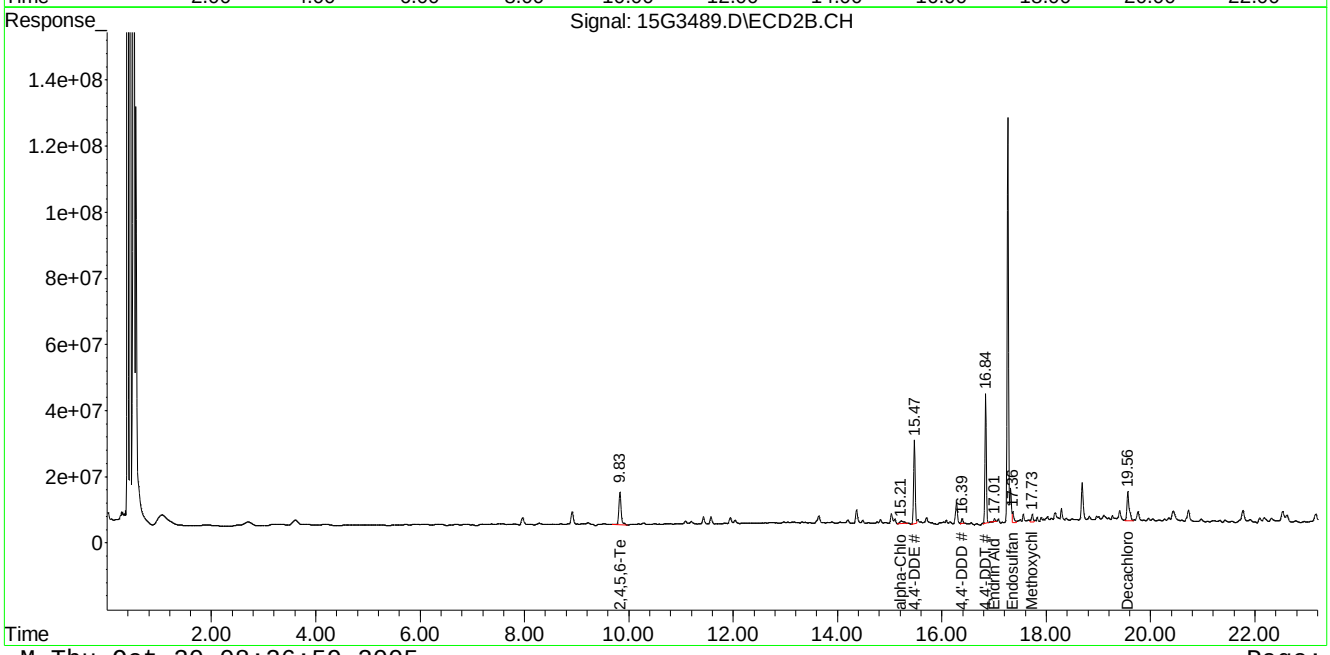
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\101905\
Data File : 15G3489.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Oct 2005 18:05 (#1); 19 Oct 2005 18:33 (#2)
Operator : ECL
Sample : L0510264-02 CF
Misc : 7,1 SOIL
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 08:26:05 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Thu Oct 20 08:18:06 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



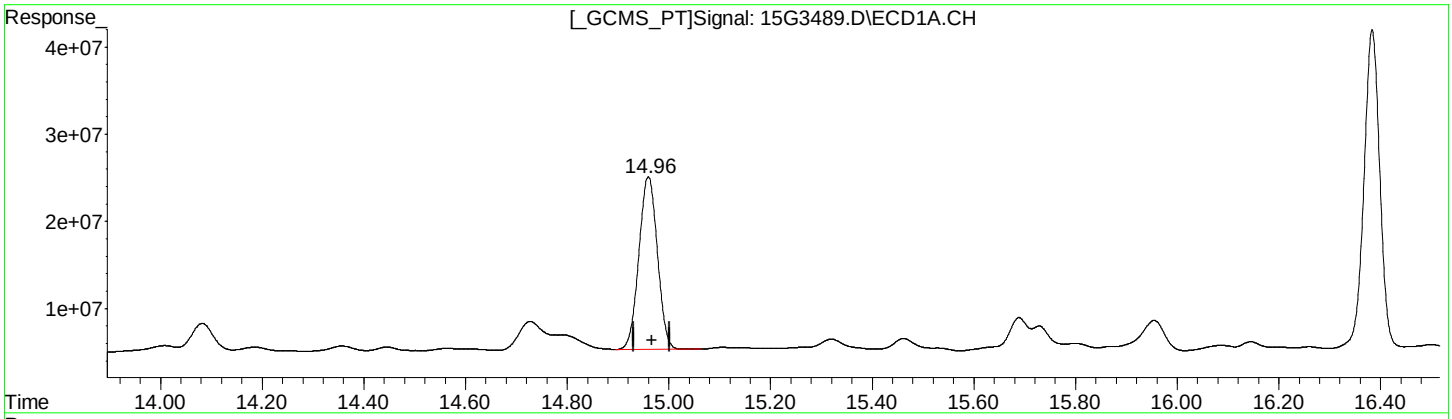


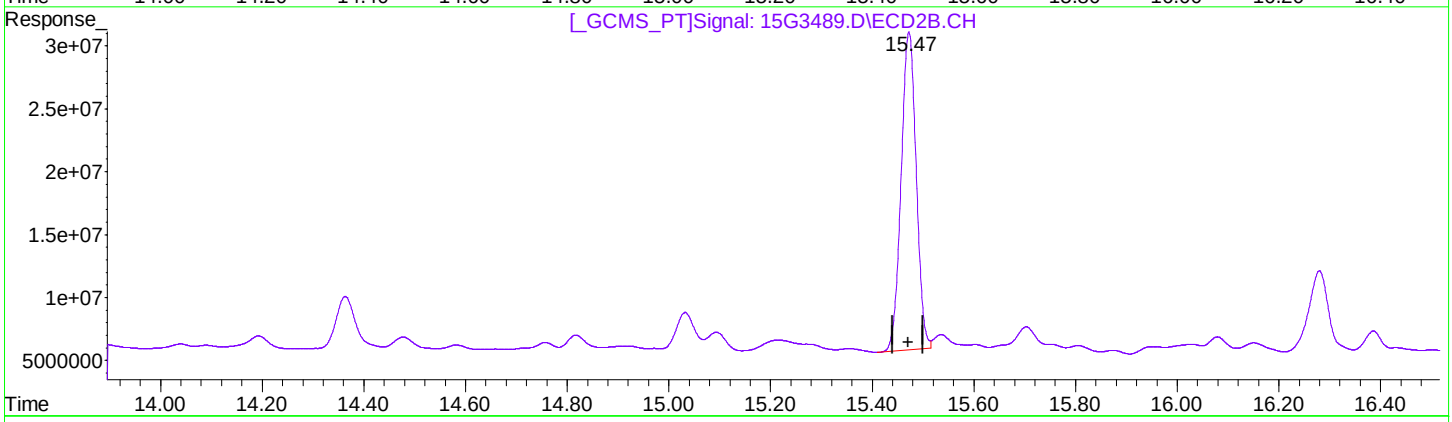
Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\101905\
Data File : 15G3489.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Oct 2005 18:05 (#1); 19 Oct 2005 18:33 (#2)
Operator : ECL
Sample : L0510264-02 CF
Misc : 7,1 SOIL
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 08:26:05 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Thu Oct 20 08:18:06 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(12) 4,4'-DDE

14.96min 29.969UG/L

response 500451164

(12) 4,4'-DDE #2

15.47min 34.743UG/L

response 520453919

(+) = Expected Retention Time

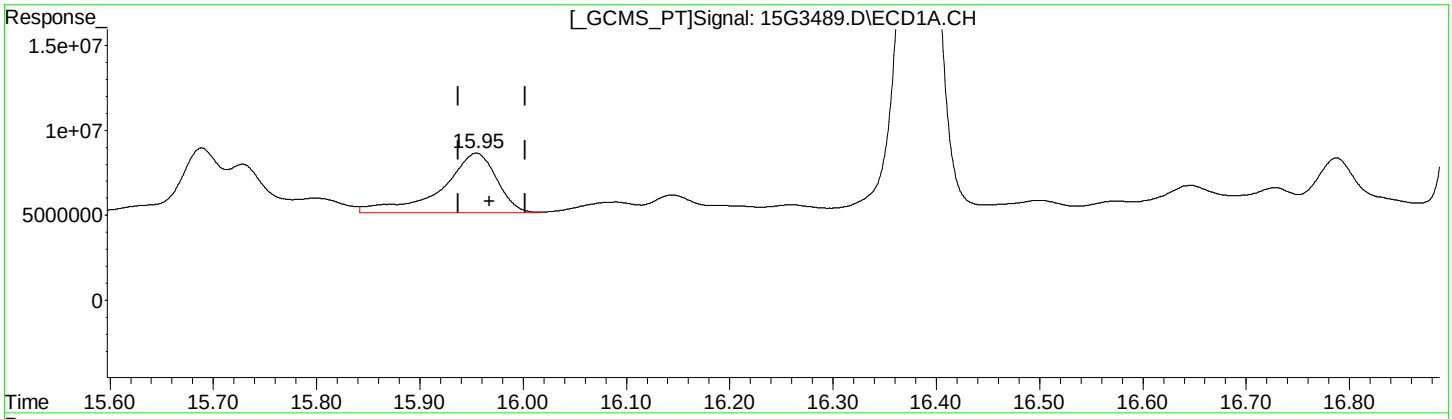
8081.M Thu Oct 20 08:37:33 2005 Page: 1

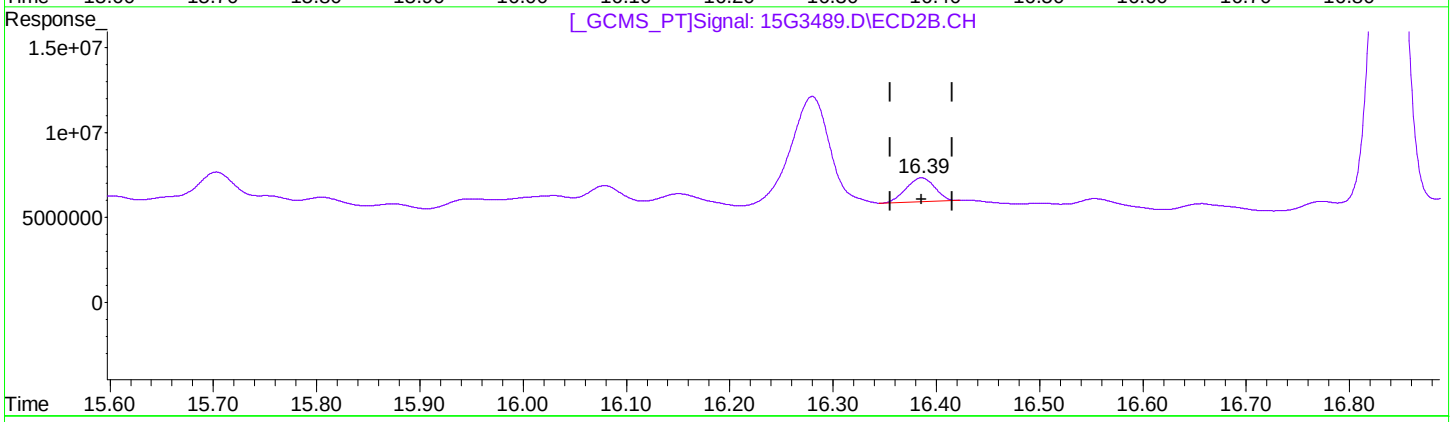
Quantitation Report (Qedit)

```
Data Path : C:\MSDCHEM\1\DATA\101905\
Data File : 15G3489.D
Signal(s) : Signal #1: ECD1A.CH  Signal #2: ECD2B.CH
Acq On    : 19 Oct 2005  18:05 (#1); 19 Oct 2005  18:33 (#2)
Operator  : ECL
Sample    : L0510264-02 CF
Misc      : 7,1 SOIL
ALS Vial  : 3   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 08:26:05 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title  : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Thu Oct 20 08:18:06 2005
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```





QEdit

(15) 4,4'-DDD

15.95min 9.737UG/L

response 128685238

(15) 4,4'-DDD #2

16.39min 2.492UG/L

response 27230877

(+) = Expected Retention Time

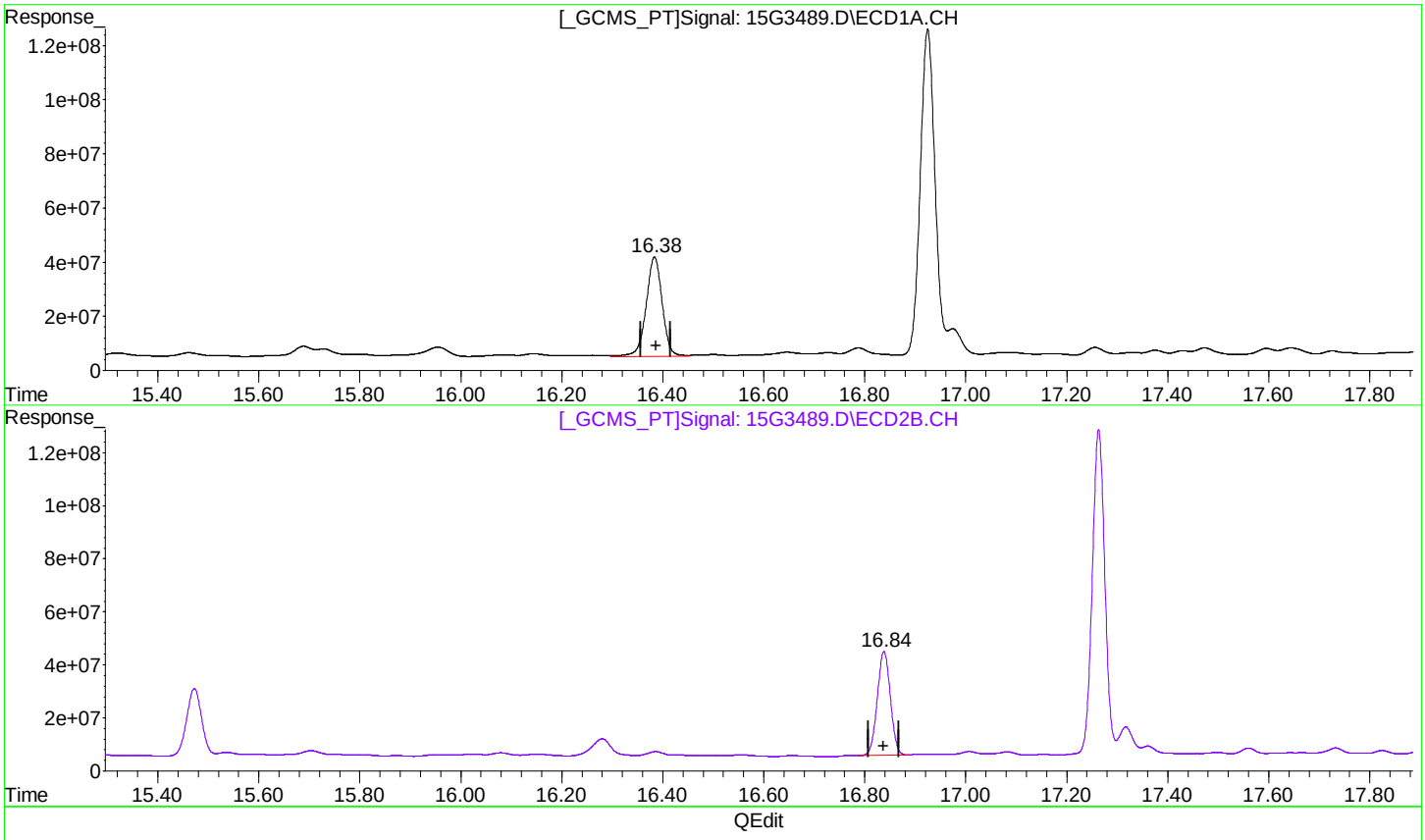
8081.M Thu Oct 20 08:37:43 2005 Page: 1

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\101905\
Data File : 15G3489.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Oct 2005 18:05 (#1); 19 Oct 2005 18:33 (#2)
Operator : ECL
Sample : L0510264-02 CF
Misc : 7,1 SOIL
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 08:26:05 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Thu Oct 20 08:18:06 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) 4,4'-DDT
16.38min 63.189UG/L
response 817714031

(17) 4,4'-DDT #2
16.84min 74.351UG/L
response 701276059

(+) = Expected Retention Time

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\101405\9G32677.D\ECD1A.CH Vial: 9
Acq On : 14 Oct 2005 18:23 Operator: ECL
Sample : L0510264-03 Inst : HP9
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : autoint1.e

Data File : C:\HPCHEM\1\DATA\101405\9G32677.D\ECD2B.CH Vial: 9
Acq On : 14 Oct 2005 18:52 Operator: ECL
Sample : L0510264-03 Inst : HP9
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : autoint2.e
Quant Time: Oct 17 8:26 2005 Quant Results File: 8081.RES

Quant Method : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title : CALIBRATION October 13, 2005 @ 21:10
Last Update : Mon Oct 17 08:26:28 2005
Response via : Initial Calibration
DataAcq Meth : 8081.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.94	9.43	99300115	114.5E6	12.688	12.901
	Spiked Amount 20.000 Range 39 - 130 Recovery =					63.44%	64.50%
22) S	Decachlorobiphen	19.03	19.12	65455786	70951345	13.689	13.673
	Spiked Amount 20.000 Range 33 - 143 Recovery =					68.44%	68.36%
	Target Compounds						
2)	alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)	gamma-BHC	0.00	0.00	0	0	N.D.	N.D.
4)	beta-BHC	0.00	0.00	0	0	N.D.	N.D.
5)	Heptachlor	0.00	0.00	0	0	N.D.	N.D.
6)	delta-BHC	0.00	0.00	0	0	N.D.	N.D.
7)	Aldrin	0.00	0.00	0	0	N.D.	N.D.
8)	Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.
9)	gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.
10)	alpha-Chlordane	0.00	0.00	0	0	N.D.	N.D.
11)	Endosulfan I	0.00	14.75	0	6633683	N.D.	0.819 #
12)	4,4'-DDE	0.00	0.00	0	0	N.D.	N.D.
13)	Dieldrin	0.00	0.00	0	0	N.D.	N.D.
14)	Endrin	0.00	0.00	0	0	N.D.	N.D.
15)	4,4'-DDD	0.00	0.00	0	0	N.D.	N.D.
16)	Endosulfan II	0.00	0.00	0	0	N.D.	N.D.
17)	4,4'-DDT	0.00	0.00	0	0	N.D.	N.D.
18)	Endrin Aldehyde	0.00	16.64f	0	5799692	N.D.	0.950 #
19)	Endosulfan Sulfa	0.00	0.00	0	0	N.D.	N.D.
20)	Methoxychlor	0.00	0.00	0	0	N.D.	N.D.
21)	Endrin Ketone	0.00	0.00	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
9G32677.D 8081.M Mon Oct 17 08:27:22 2005 Page 1

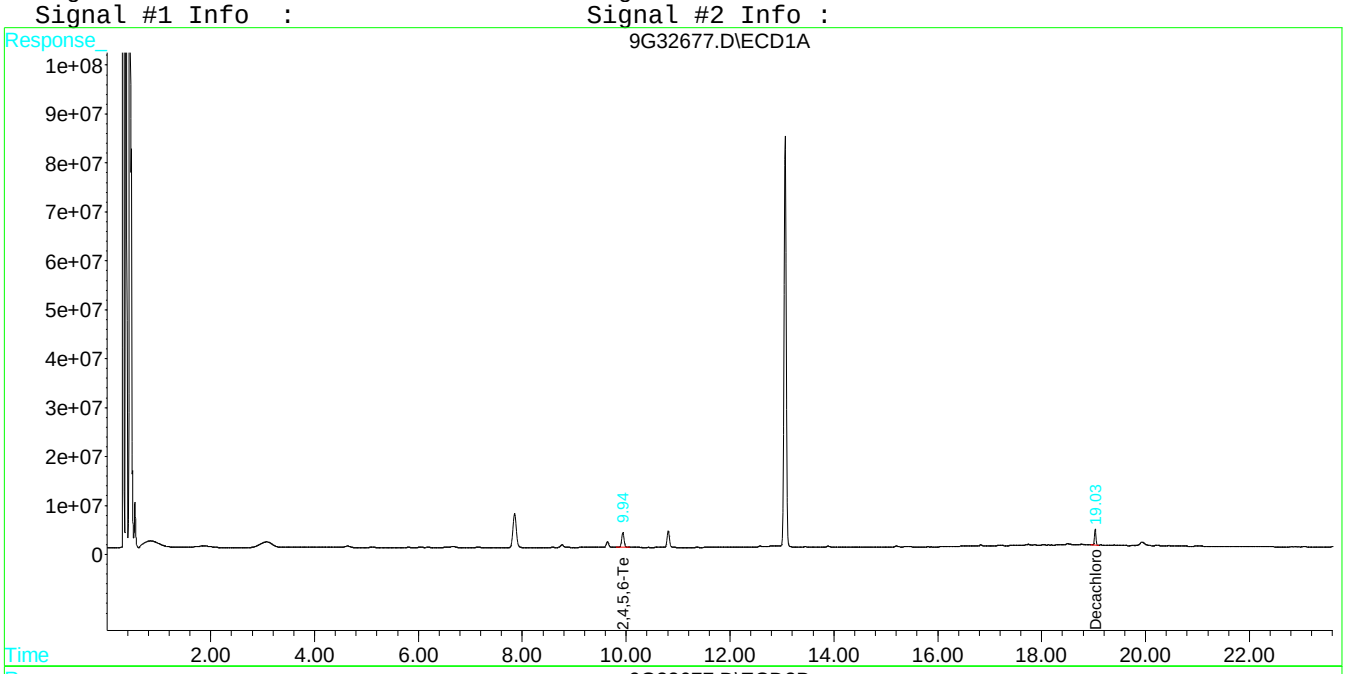
Quantitation Report (Not Reviewed)

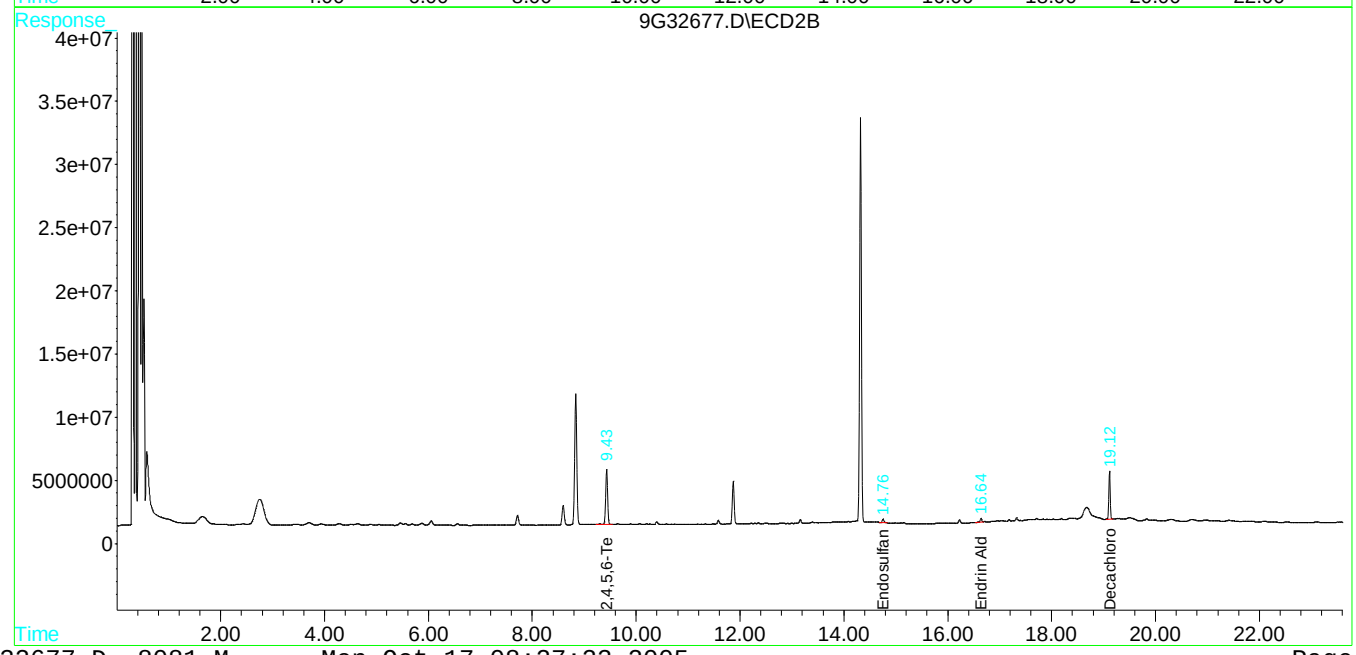
Data File : C:\HPCHEM\1\DATA\101405\9G32677.D\ECD1A.CH Vial: 9
Acq On : 14 Oct 2005 18:23 Operator: ECL
Sample : L0510264-03 Inst : HP9
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : autoint1.e

Data File : C:\HPCHEM\1\DATA\101405\9G32677.D\ECD2B.CH Vial: 9
Acq On : 14 Oct 2005 18:52 Operator: ECL
Sample : L0510264-03 Inst : HP9
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : autoint2.e
Quant Time: Oct 17 8:26 2005 Quant Results File: 8081.RES

Quant Method : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title : CALIBRATION October 13, 2005 @ 21:10
Last Update : Mon Oct 17 08:26:28 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8081.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\101405\9G32678.D\ECD1A.CH Vial: 10
Acq On : 14 Oct 2005 18:52 Operator: ECL
Sample : L0510264-04 Inst : HP9
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : autoint1.e

Data File : C:\HPCHEM\1\DATA\101405\9G32678.D\ECD2B.CH Vial: 10
Acq On : 14 Oct 2005 19:20 Operator: ECL
Sample : L0510264-04 Inst : HP9
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : autoint2.e
Quant Time: Oct 17 8:26 2005 Quant Results File: 8081.RES

Quant Method : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title : CALIBRATION October 13, 2005 @ 21:10
Last Update : Mon Oct 17 08:26:28 2005
Response via : Initial Calibration
DataAcq Meth : 8081.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L	
	System Monitoring Compounds							
1) S	2,4,5,6-Tetrachl	9.93	9.42	100.5E6	118.8E6	12.836	13.380	
	Spiked Amount 20.000 Range 20 - 180 Recovery =					64.18%	66.90%	
22) S	Decachlorobiphen	19.04	19.11	66981594	73556672	14.008	14.175	
	Spiked Amount 20.000 Range 25 - 140 Recovery =					70.04%	70.88%	
	Target Compounds							
2)	alpha-BHC	0.00	0.00	0	0	N.D.	N.D.	
3)	gamma-BHC	0.00	0.00	0	0	N.D.	N.D.	
4)	beta-BHC	0.00	0.00	0	0	N.D.	N.D.	
5)	Heptachlor	0.00	0.00	0	0	N.D.	N.D.	
6)	delta-BHC	0.00	0.00	0	0	N.D.	N.D.	
7)	Aldrin	0.00	0.00	0	0	N.D.	N.D.	
8)	Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.	
9)	gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.	
10)	alpha-Chlordane	0.00	0.00	0	0	N.D.	N.D.	
11)	Endosulfan I	0.00	0.00	0	0	N.D.	N.D.	
12)	4,4'-DDE	0.00	0.00	0	0	N.D.	N.D.	
13)	Dieldrin	0.00	0.00	0	0	N.D.	N.D.	
14)	Endrin	0.00	0.00	0	0	N.D.	N.D.	
15)	4,4'-DDD	0.00	0.00	0	0	N.D.	N.D.	
16)	Endosulfan II	0.00	0.00	0	0	N.D.	N.D.	
17)	4,4'-DDT	0.00	0.00	0	0	N.D.	N.D.	
18)	Endrin Aldehyde	0.00	16.63f	0	5726228	N.D.	0.938	#
19)	Endosulfan Sulfa	17.48f	0.00	8943107	0	2.054	N.D.	#
20)	Methoxychlor	17.16	0.00	15010286	0	5.227	N.D.	#
21)	Endrin Ketone	17.89f	0.00	17863736	0	2.698	N.D.	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

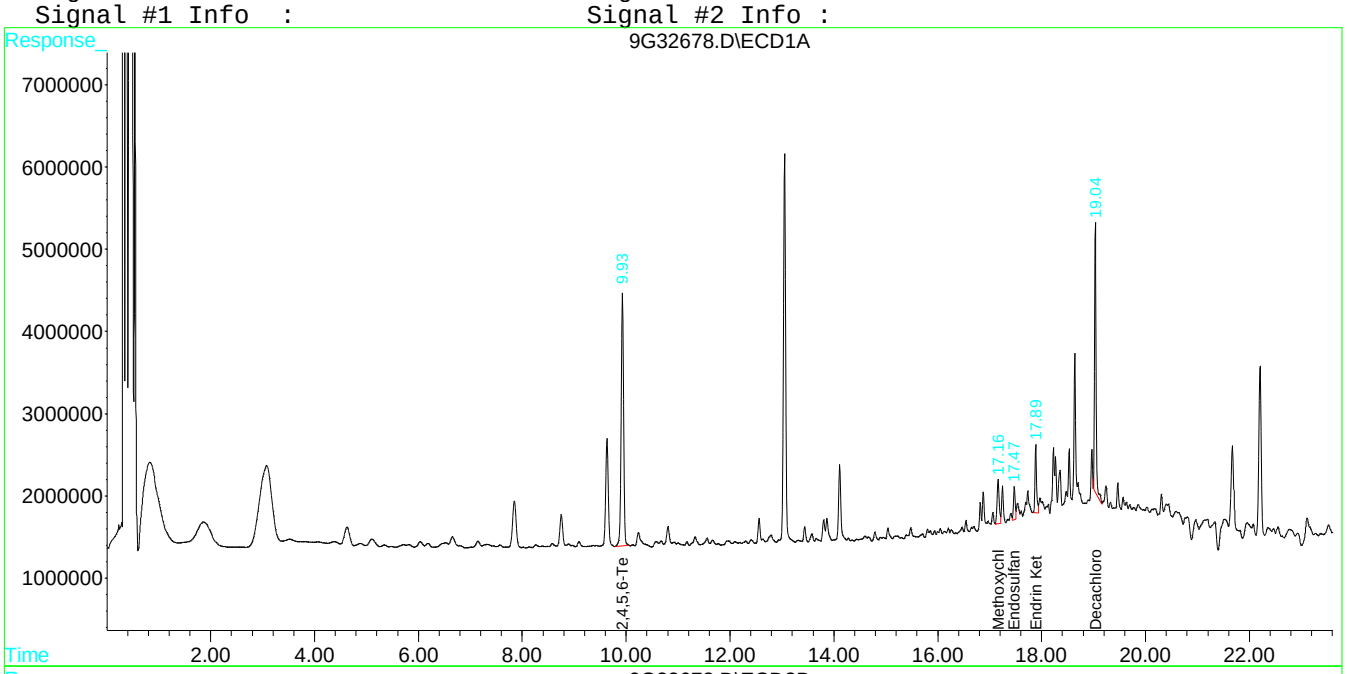
Quantitation Report (Not Reviewed)

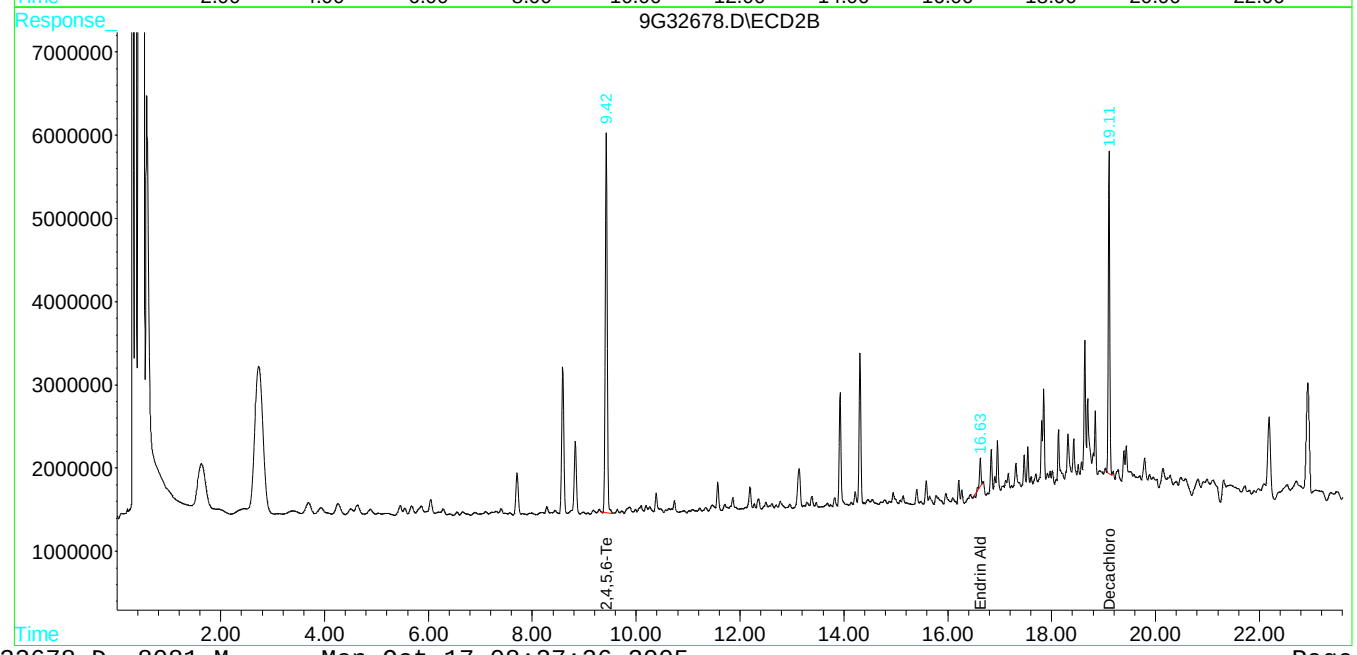
Data File : C:\HPCHEM\1\DATA\101405\9G32678.D\ECD1A.CH Vial: 10
Acq On : 14 Oct 2005 18:52 Operator: ECL
Sample : L0510264-04 Inst : HP9
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : autoint1.e

Data File : C:\HPCHEM\1\DATA\101405\9G32678.D\ECD2B.CH Vial: 10
Acq On : 14 Oct 2005 19:20 Operator: ECL
Sample : L0510264-04 Inst : HP9
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : autoint2.e
Quant Time: Oct 17 8:26 2005 Quant Results File: 8081.RES

Quant Method : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title : CALIBRATION October 13, 2005 @ 21:10
Last Update : Mon Oct 17 08:26:28 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8081.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





2.2.3.3 Standards Data

Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\100305\
Data File : 15G3250.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Oct 2005 12:47 (#1); 03 Oct 2005 13:15 (#2)
Operator : ECL
Sample : TOX ICAL 2000 PPB
Misc : 1,1 SOS75-14
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: .E
Integration File signal 2: EVENTS.E
Quant Time: Oct 03 15:58:02 2005
Quant Method : C:\MSDCHEM\1\METHODS\TOX.M
Quant Title : CALIBRATION October 3, 2005
QLast Update : Mon Oct 03 15:42:07 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
Target Compounds						
1) L1 Toxaphene-1	15.64	16.54	219.1E6	152.4E6	2071.886	1960.399
2) L1 Toxaphene-2	16.70	17.04	331.0E6	454.4E6	2181.029	2075.716
3) L1 Toxaphene-3	17.29	17.71	518.1E6	492.3E6	2071.335	2083.395
4) L1 Toxaphene-4	17.75	17.77	519.0E6	377.6E6	2176.213	2197.425
5) L1 Toxaphene-5	17.93	18.19	250.8E6	285.6E6	2327.057	2075.821
Sum Toxaphene-1			1837.9E6	1762.3E6	10827.520	10392.756
Average Toxaphene-1					2165.504	2078.551

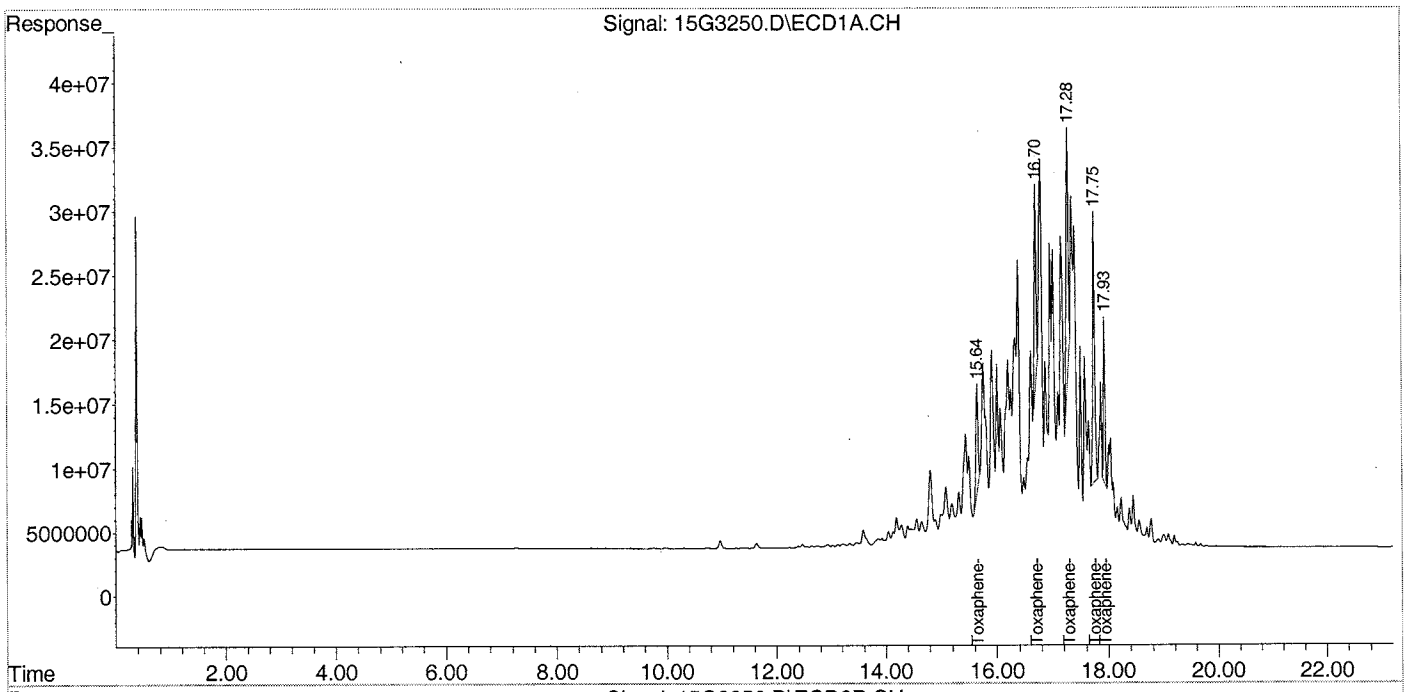
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

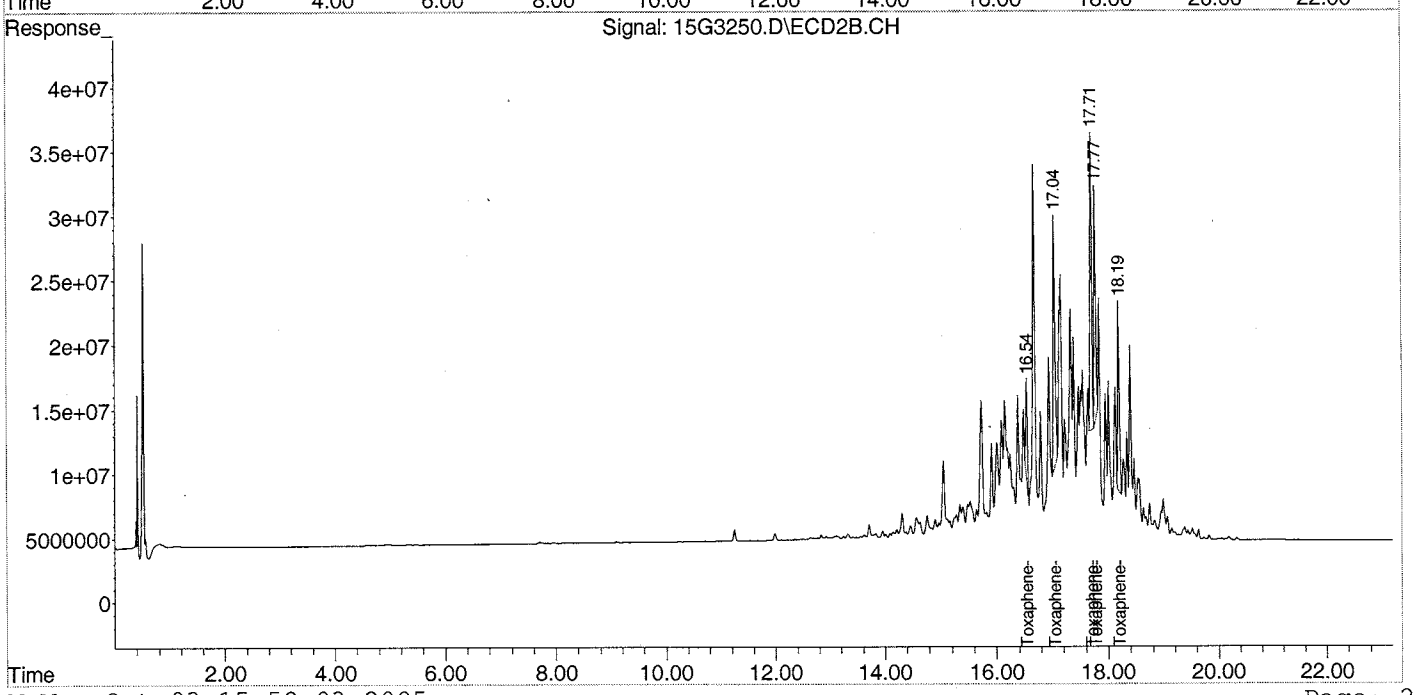
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\100305\
Data File : 15G3250.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Oct 2005 12:47 (#1); 03 Oct 2005 13:15 (#2)
Operator : ECL
Sample : TOX ICAL 2000 PPB
Misc : 1,1 SOS75-14
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: .E
Integration File signal 2: EVENTS.E
Quant Time: Oct 03 15:58:02 2005
Quant Method : C:\MSDCHEM\1\METHODS\TOX.M
Quant Title : CALIBRATION October 3, 2005
QLast Update : Mon Oct 03 15:42:07 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\100305\
Data File : 15G3251.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Oct 2005 13:15 (#1); 03 Oct 2005 13:43 (#2)
Operator : ECL
Sample : TOX ICAL 1000 PPB
Misc : 1,1 SOS75-14
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: .E
Integration File signal 2: EVENTS.E
Quant Time: Oct 03 15:58:04 2005
Quant Method : C:\MSDCHEM\1\METHODS\TOX.M
Quant Title : CALIBRATION October 3, 2005
QLast Update : Mon Oct 03 15:42:07 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
Target Compounds						
1) L1 Toxaphene-1	15.64	16.54	107.1E6	76689013	1013.384	986.603
2) L1 Toxaphene-2	16.70	17.03	161.0E6	222.7E6	1060.998	1017.126
3) L1 Toxaphene-3	17.29	17.71	261.1E6	241.5E6	1043.902	1021.796
4) L1 Toxaphene-4	17.75	17.77	247.2E6	180.9E6	1036.755	1052.680
5) L1 Toxaphene-5	17.94	18.19	114.9E6	140.1E6	1065.608	1018.080
Sum Toxaphene-1			891.4E6	861.8E6	5220.647	5096.285
Average Toxaphene-1					1044.129	1019.257

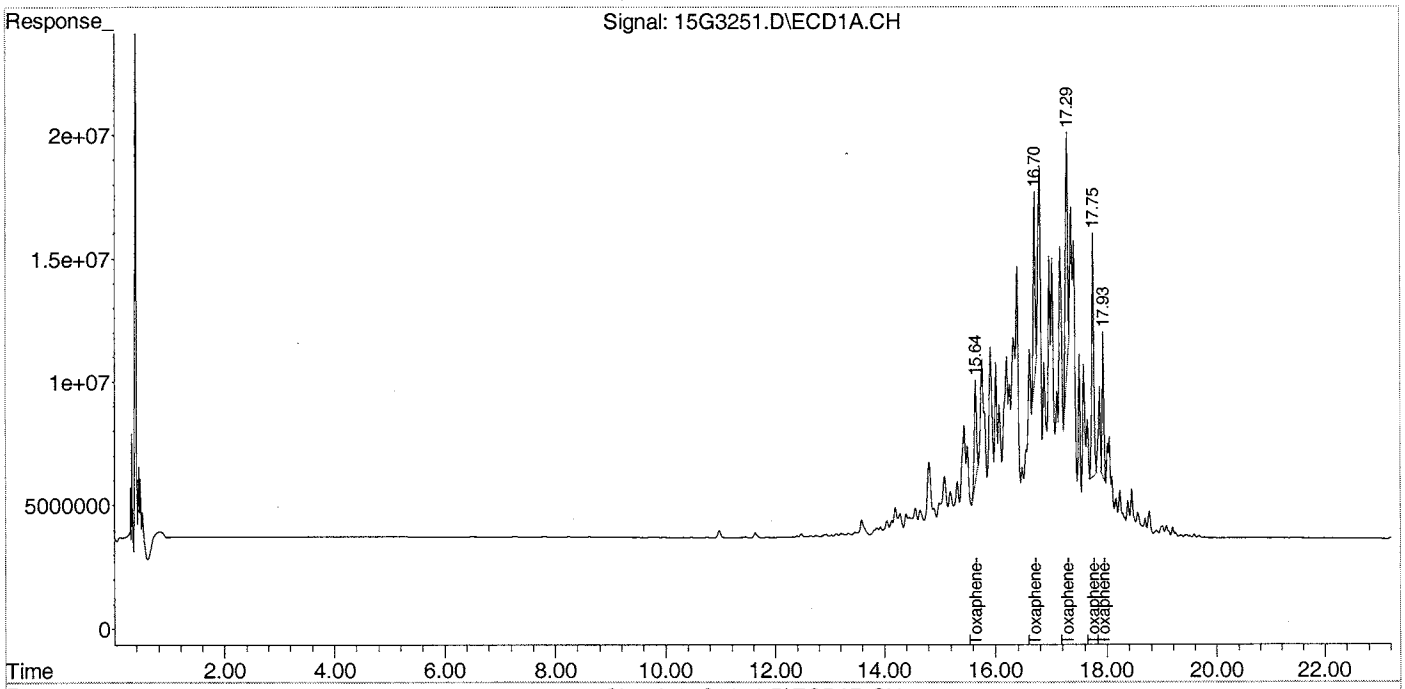
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

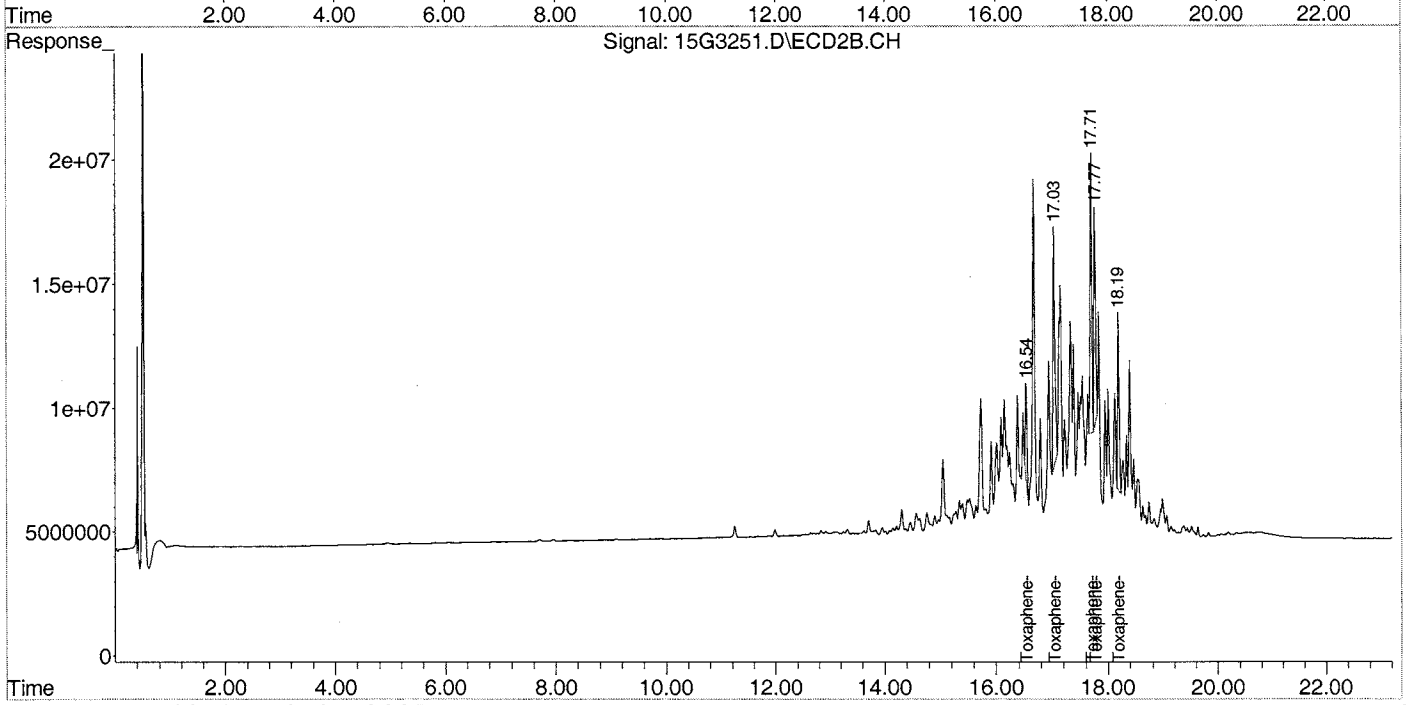
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\100305\
Data File : 15G3251.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Oct 2005 13:15 (#1); 03 Oct 2005 13:43 (#2)
Operator : ECL
Sample : TOX ICAL 1000 PPB
Misc : 1,1 SOS75-14
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: .E
Integration File signal 2: EVENTS.E
Quant Time: Oct 03 15:58:04 2005
Quant Method : C:\MSDCHEM\1\METHODS\TOX.M
Quant Title : CALIBRATION October 3, 2005
QLast Update : Mon Oct 03 15:42:07 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\100305\
Data File : 15G3252.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Oct 2005 13:43 (#1); 03 Oct 2005 14:10 (#2)
Operator : ECL
Sample : TOX ICAL 500 PPB
Misc : 1,1 SOS75-14
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: .E
Integration File signal 2: EVENTS.E
Quant Time: Oct 03 15:58:06 2005
Quant Method : C:\MSDCHEM\1\METHODS\TOX.M
Quant Title : CALIBRATION October 3, 2005
QLast Update : Mon Oct 03 15:42:07 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
Target Compounds						
L1 Toxaphene-1	15.64	16.54	53147158	37292938	502.659	479.773
L1 Toxaphene-2	16.70	17.03	77728703	106.1E6	512.215	484.790
L1 Toxaphene-3	17.29	17.71	128.0E6	115.2E6	511.866	487.683
L1 Toxaphene-4	17.75	17.77	120.3E6	84259870	504.582	490.294
L1 Toxaphene-5	17.93	18.19	54330923	67656428	504.024	491.767
Sum Toxaphene-1			433.6E6	410.6E6	2535.346	2434.308
verage Toxaphene-1					507.069	486.862

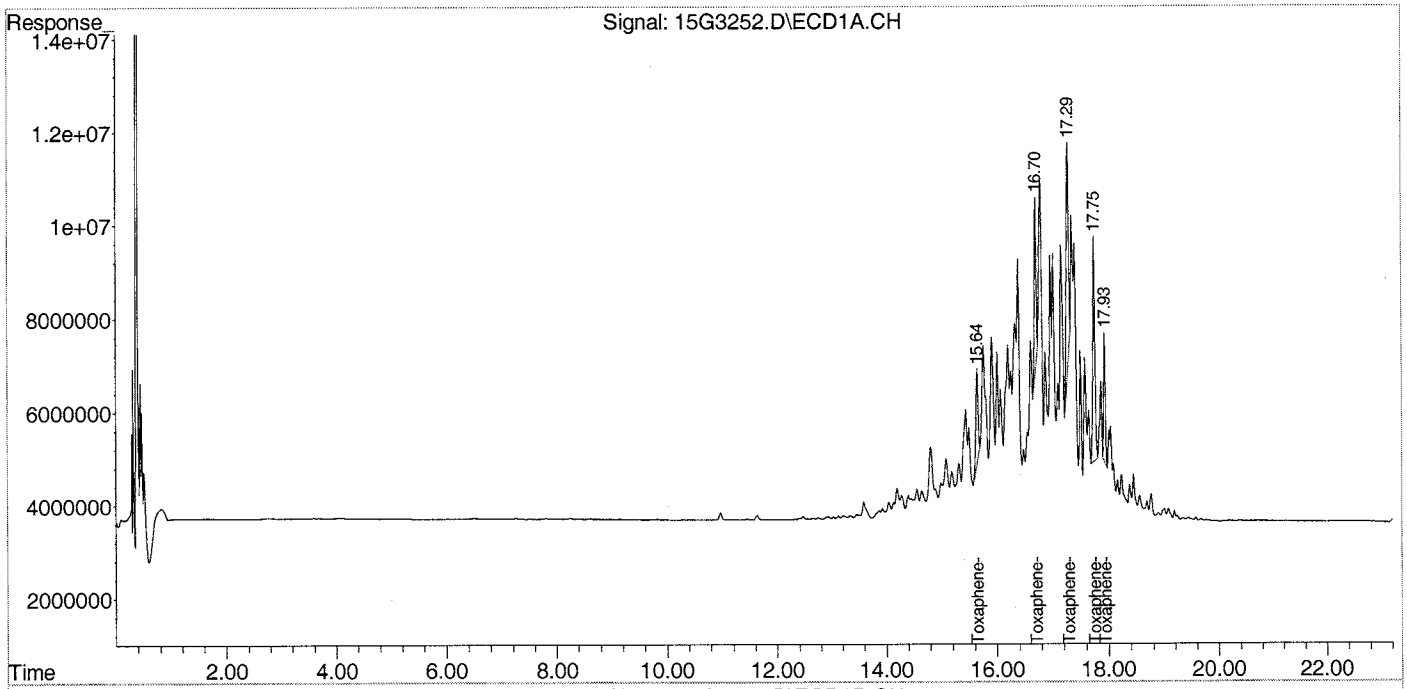
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

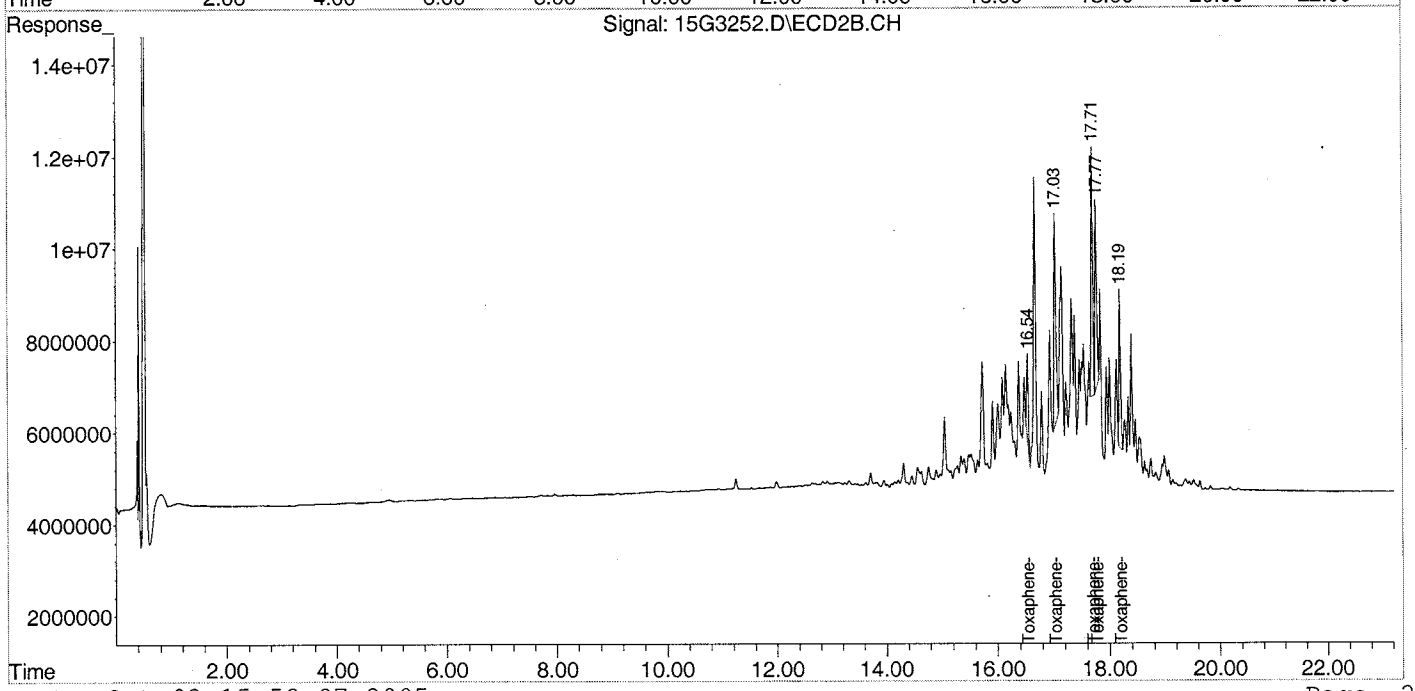
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\100305\
Data File : 15G3252.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Oct 2005 13:43 (#1); 03 Oct 2005 14:10 (#2)
Operator : ECL
Sample : TOX ICAL 500 PPB
Misc : 1,1 SOS75-14
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: .E
Integration File signal 2: EVENTS.E
Quant Time: Oct 03 15:58:06 2005
Quant Method : C:\MSDCHEM\1\METHODS\TOX.M
Quant Title : CALIBRATION October 3, 2005
QLast Update : Mon Oct 03 15:42:07 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\100305\
Data File : 15G3253.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Oct 2005 14:10 (#1); 03 Oct 2005 14:38 (#2)
Operator : ECL
Sample : TOX ICAL 250 PPB
Misc : 1,1 SOS75-14
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: .E
Integration File signal 2: EVENTS.E
Quant Time: Oct 03 15:58:08 2005
Quant Method : C:\MSDCHEM\1\METHODS\TOX.M
Quant Title : CALIBRATION October 3, 2005
QLast Update : Mon Oct 03 15:42:07 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
Target Compounds						
1) L1 Toxaphene-1	15.64	16.54	25178549	19177497	238.136	246.718
2) L1 Toxaphene-2	16.70	17.03	36127222	52411842	238.070	239.421
3) L1 Toxaphene-3	17.29	17.71	61571211	57212029	246.158	242.105
4) L1 Toxaphene-4	17.75	17.77	57326999	40681980	240.396	236.721
5) L1 Toxaphene-5	17.94	18.19	24798825	33079430	230.057	240.441
Sum Toxaphene-1			205.0E6	202.6E6	1192.817	1205.407
Average Toxaphene-1					238.563	241.081

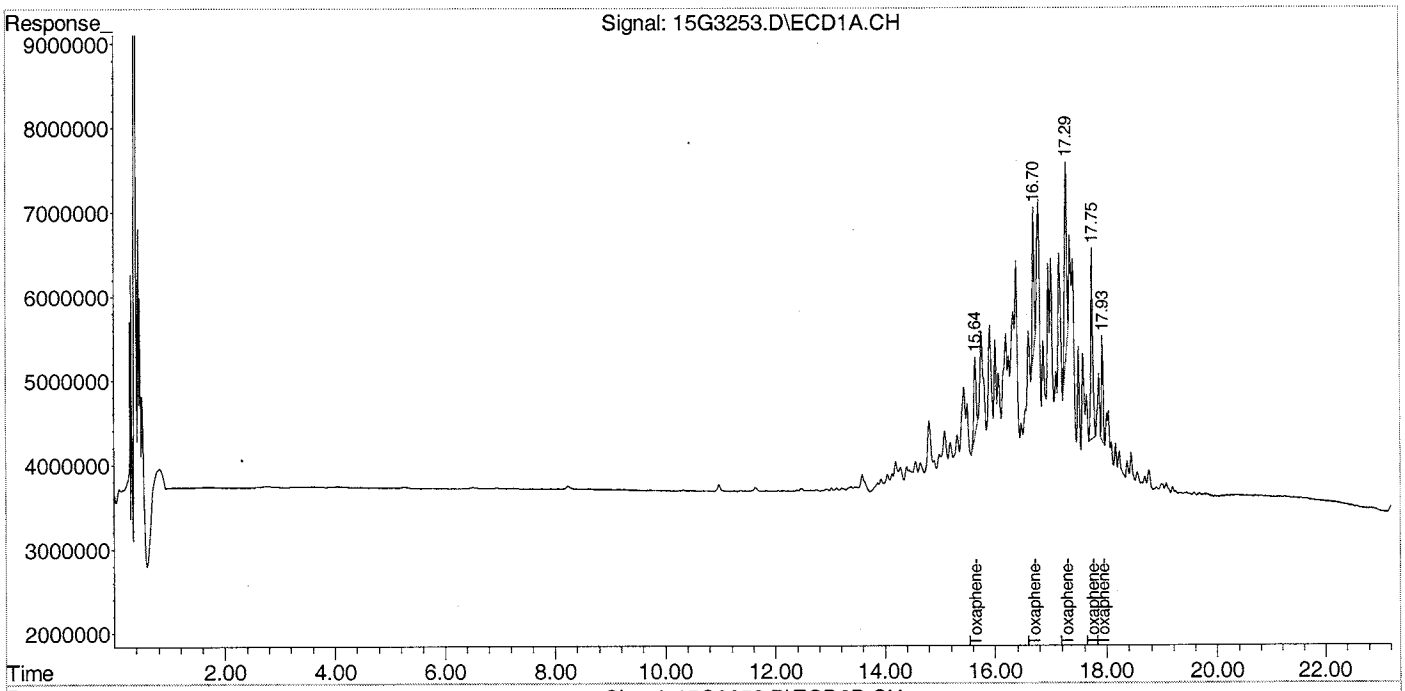
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

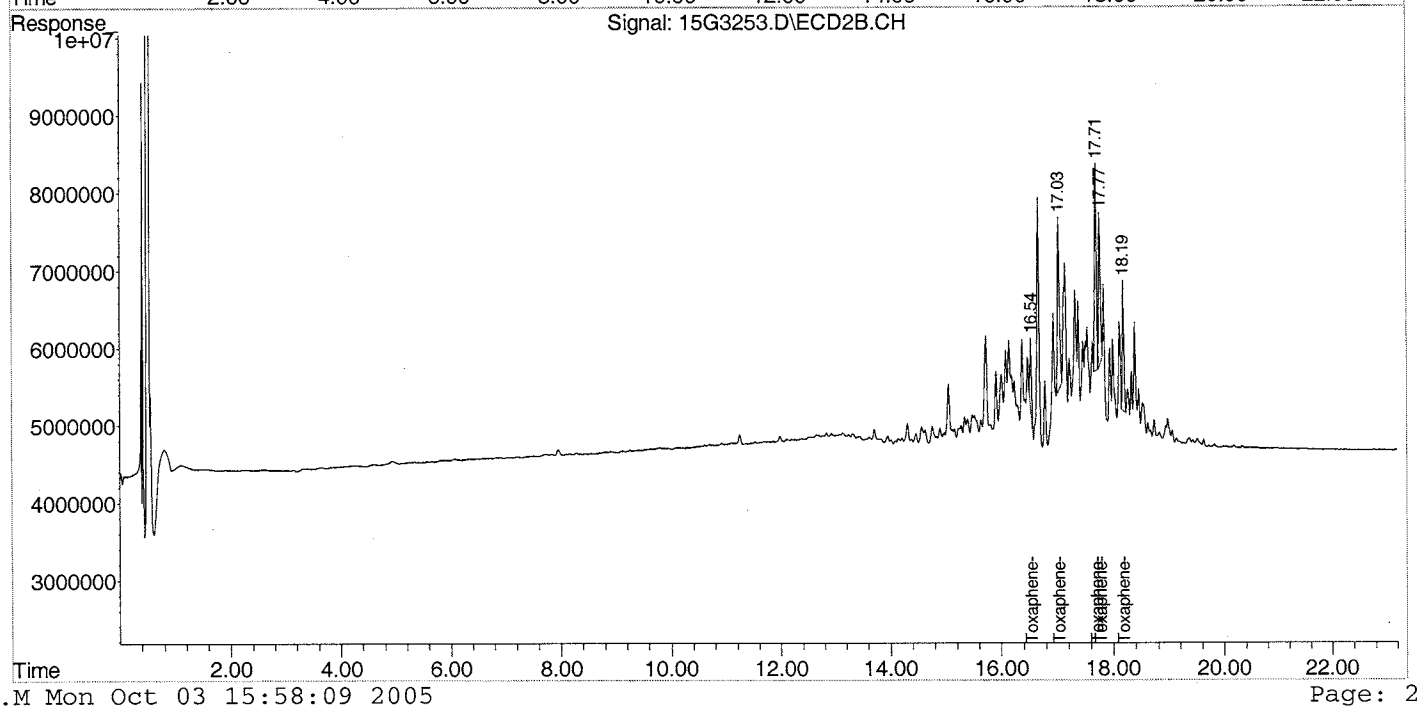
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\100305\
Data File : 15G3253.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Oct 2005 14:10 (#1); 03 Oct 2005 14:38 (#2)
Operator : ECL
Sample : TOX ICAL 250 PPB
Misc : 1,1 SOS75-14
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: .E
Integration File signal 2: EVENTS.E
Quant Time: Oct 03 15:58:08 2005
Quant Method : C:\MSDCHEM\1\METHODS\TOX.M
Quant Title : CALIBRATION October 3, 2005
QLast Update : Mon Oct 03 15:42:07 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\100305\
Data File : 15G3254.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Oct 2005 14:38 (#1); 03 Oct 2005 15:06 (#2)
Operator : ECL
Sample : TOX ICAL 100 PPB
Misc : 1,1 SOS75-14
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: .E
Integration File signal 2: EVENTS.E
Quant Time: Oct 03 15:58:10 2005
Quant Method : C:\MSDCHEM\1\METHODS\TOX.M
Quant Title : CALIBRATION October 3, 2005
QLast Update : Mon Oct 03 15:42:07 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
Target Compounds						
1) L1 Toxaphene-1	15.64	16.53	10497202	8447582	99.281	108.678
2) L1 Toxaphene-2	16.70	17.03	13229239	22279660	87.178	101.775
3) L1 Toxaphene-3	17.29	17.70	22813447	23459001	91.207	99.272
4) L1 Toxaphene-4	17.75	17.77	21566829	15830225	90.439	92.113
5) L1 Toxaphene-5	17.94	18.19	9082610	13740074	84.259	99.871
Sum Toxaphene-1			77189327	83756541	452.363	501.709
Average Toxaphene-1					90.473	100.342

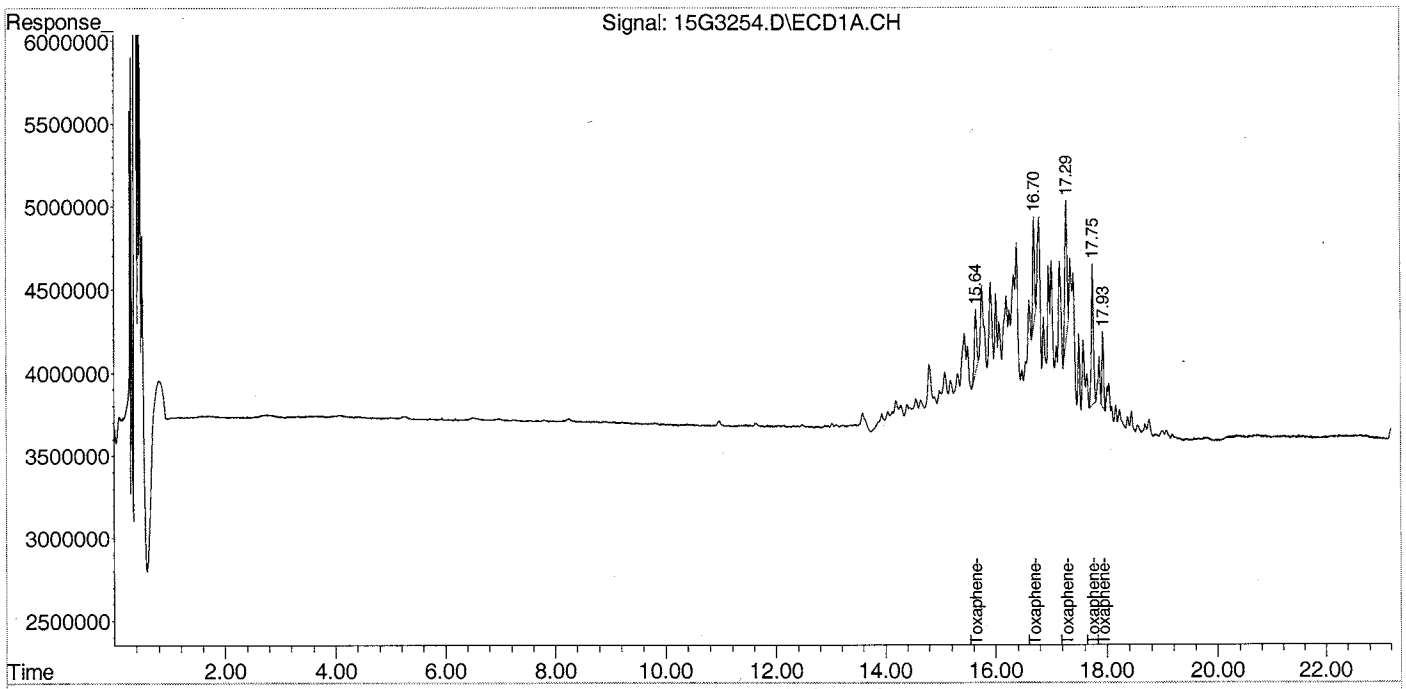
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

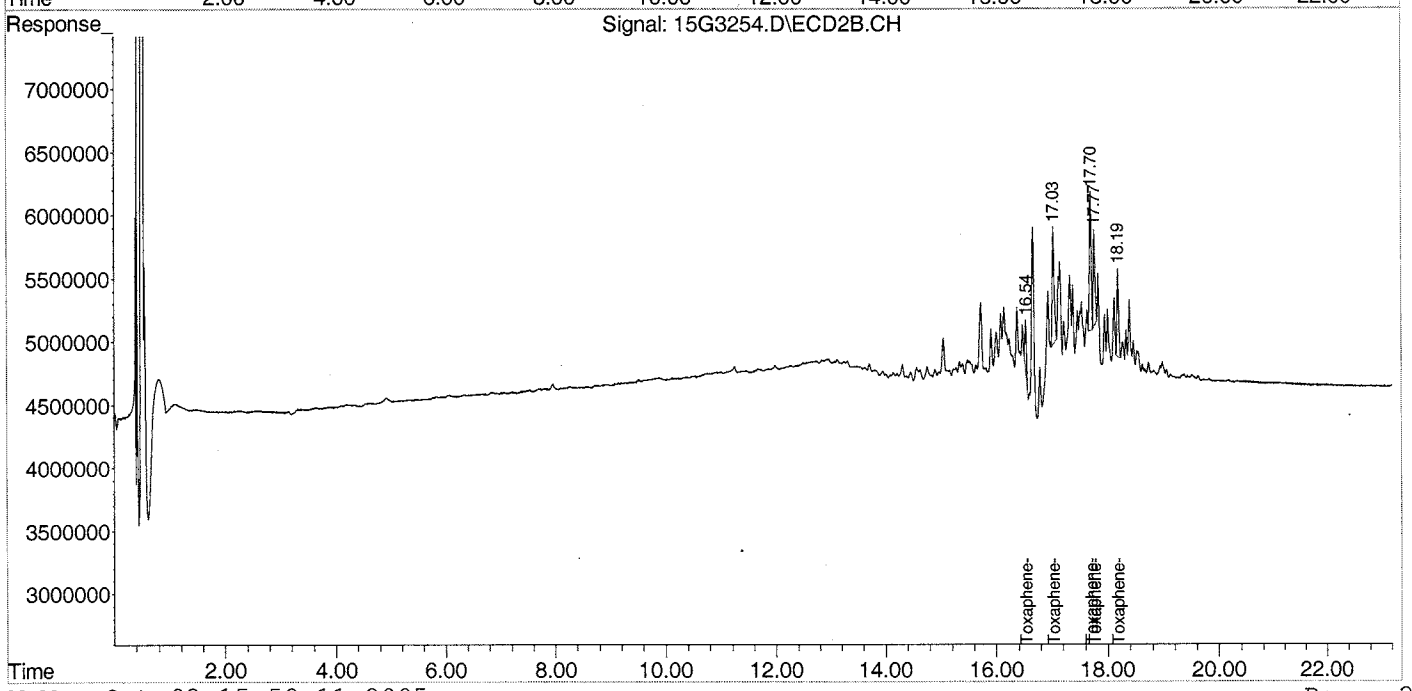
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\100305\
Data File : 15G3254.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Oct 2005 14:38 (#1); 03 Oct 2005 15:06 (#2)
Operator : ECL
Sample : TOX ICAL 100 PPB
Misc : 1,1 SOS75-14
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: .E
Integration File signal 2: EVENTS.E
Quant Time: Oct 03 15:58:10 2005
Quant Method : C:\MSDCHEM\1\METHODS\TOX.M
Quant Title : CALIBRATION October 3, 2005
QLast Update : Mon Oct 03 15:42:07 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Evaluate Continuing Calibration Report

Data Path : C:\MSDChem\1\DATA\100305\
Data File : 15G3255.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Oct 2005 15:06 (#1); 03 Oct 2005 15:33 (#2)
Operator : ECL
Sample : TOX ALT 250 PPB
Misc : 1,1 SOS75-32
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: .E
Integration File signal 2: EVENTS.E
Quant Time: Oct 03 15:57:26 2005
Quant Method : C:\MSDCHEM\1\METHODS\TOX.M
Quant Title : CALIBRATION October 3, 2005
QLast Update : Mon Oct 03 15:42:07 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1 L1	Toxaphene-1	250.000	261.866	-4.7	110	0.00
2 L1	Toxaphene-2	250.000	243.108	2.8	102	0.00
3 L1	Toxaphene-3	250.000	246.827	1.3	100	0.00
4 L1	Toxaphene-4	250.000	243.971	2.4	101	0.00
5 L1	Toxaphene-5	250.000	246.428	1.4	107	0.00

Signal #2

1 L1	Toxaphene-1	250.000	275.612	-10.2	112	0.00
2 L1	Toxaphene-2	250.000	228.864	8.5	96	0.00
3 L1	Toxaphene-3	250.000	242.230	3.1	100	0.00
4 L1	Toxaphene-4	250.000	219.892	12.0	93	0.00
5 L1	Toxaphene-5	250.000	237.139	5.1	99	0.00

Evaluate Continuing Calibration Report - Not Founds

Signal #2

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\100305\
Data File : 15G3255.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Oct 2005 15:06 (#1); 03 Oct 2005 15:33 (#2)
Operator : ECL
Sample : TOX ALT 250 PPB
Misc : 1,1 SOS75-32
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: .E
Integration File signal 2: EVENTS.E
Quant Time: Oct 03 15:57:26 2005
Quant Method : C:\MSDCHEM\1\METHODS\TOX.M
Quant Title : CALIBRATION October 3, 2005
QLast Update : Mon Oct 03 15:42:07 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
Target Compounds						
1) L1 Toxaphene-1	15.64	16.54	27687585	21423466	261.866	275.612
2) L1 Toxaphene-2	16.70	17.03	36891692	50100829	243.108	228.864
3) L1 Toxaphene-3	17.29	17.71	61738576	57241406	246.827	242.230
4) L1 Toxaphene-4	17.75	17.77	58179454	37789733	243.971	219.892
5) L1 Toxaphene-5	17.94	18.19	26563508	32625174	246.428	237.139
Sum Toxaphene-1			211.1E6	199.2E6	1242.199	1203.737
Average Toxaphene-1					248.440	240.747

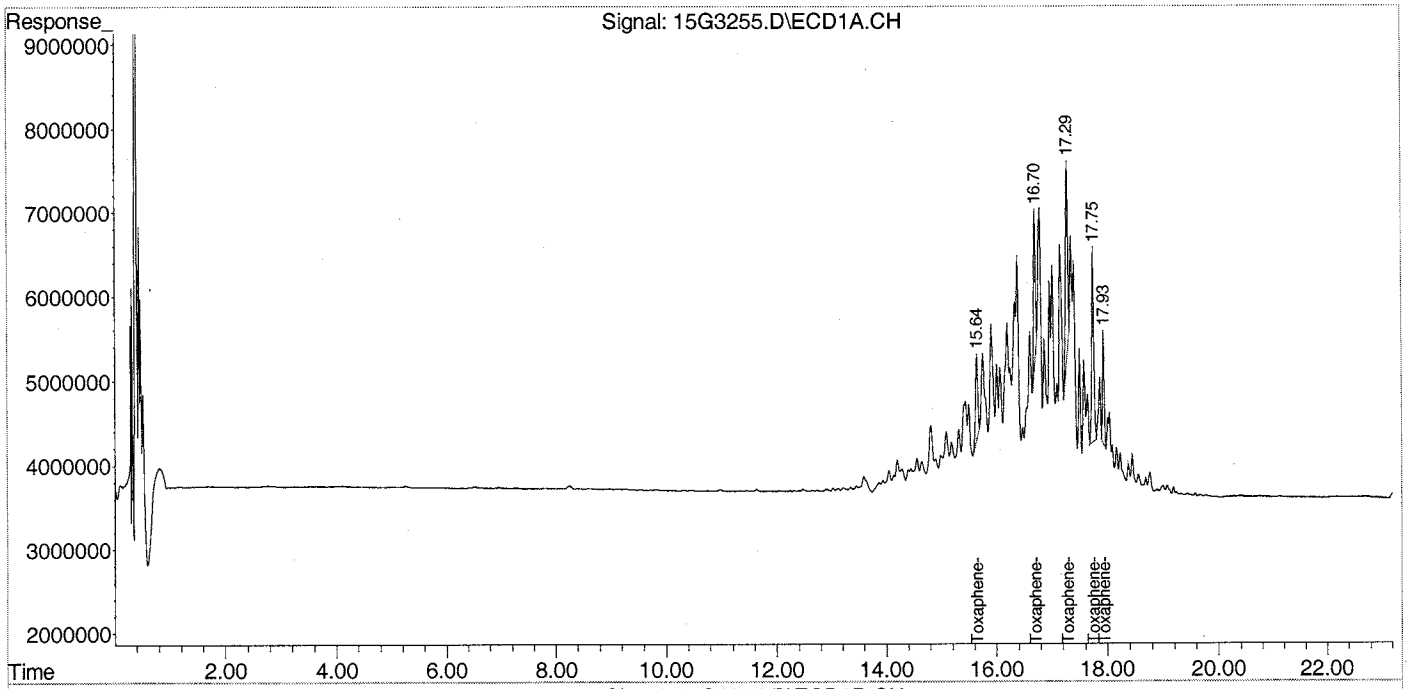
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

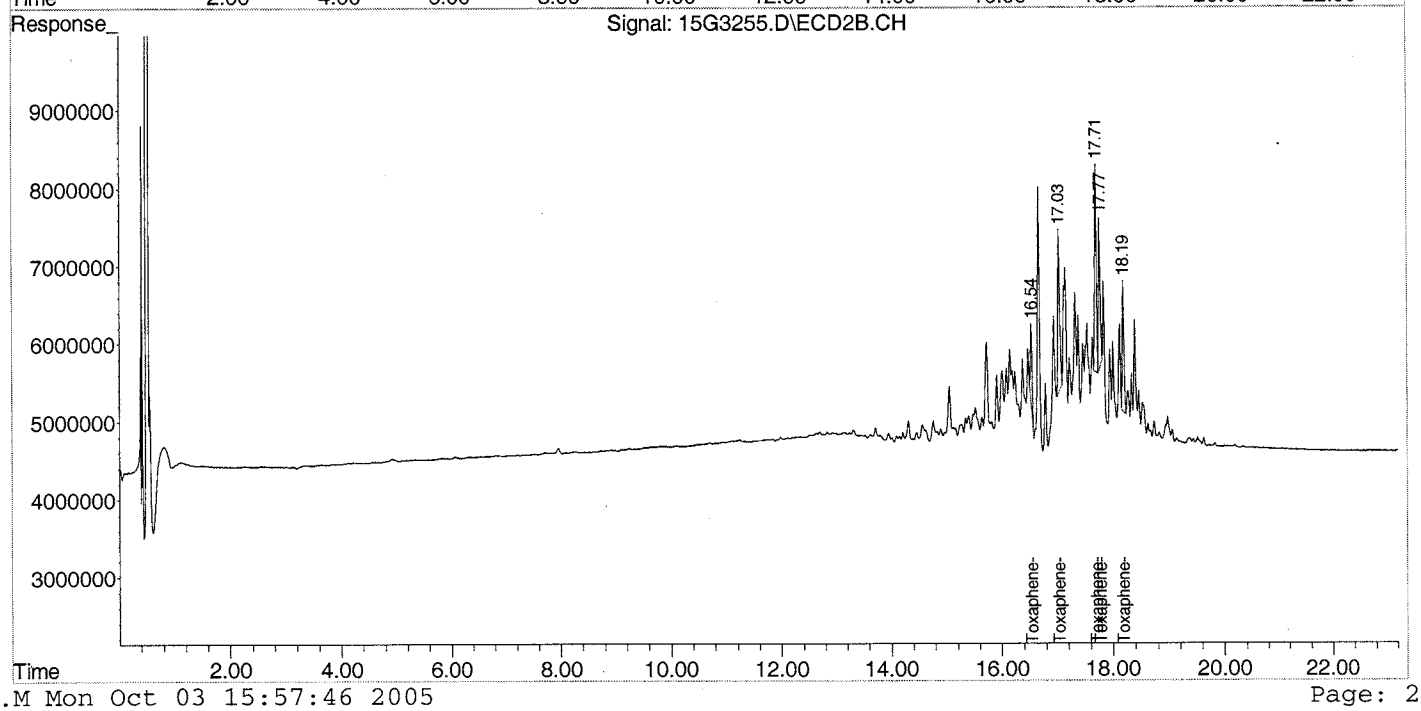
Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\100305\
Data File : 15G3255.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Oct 2005 15:06 (#1); 03 Oct 2005 15:33 (#2)
Operator : ECL
Sample : TOX ALT 250 PPB
Misc : 1,1 SOS75-32
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: .E
Integration File signal 2: EVENTS.E
Quant Time: Oct 03 15:57:26 2005
Quant Method : C:\MSDCHEM\1\METHODS\TOX.M
Quant Title : CALIBRATION October 3, 2005
QLast Update : Mon Oct 03 15:42:07 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\100305\
Data File : 15G3256.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Oct 2005 15:33 (#1); 03 Oct 2005 16:01 (#2)
Operator : ECL
Sample : WG197792-01 PEST ICAL 200 PPB
Misc : 1,1 SOS75-31
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 10:11:14 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Tue Oct 04 10:11:12 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.58	9.83	3359.7E6	3657.0E6	212.350	209.026
	Spiked Amount 20.000 Range 30 - 132 Recovery = 1061.75%#						1045.13%#
22) S	Decachlorobiphen	18.97	19.56	1851.9E6	1673.1E6	183.921	184.319
	Spiked Amount 20.000 Range 36 - 144 Recovery = 919.61%#						921.59%#
	Target Compounds						
2)	alpha-BHC	10.97	11.24	4951.1E6	5101.2E6	230.521	224.800
3)	gamma-BHC	11.67	12.00	4479.0E6	4486.1E6	225.805	220.732
4)	beta-BHC	11.88	12.18	1886.8E6	1846.0E6	203.524	203.436
5)	Heptachlor	12.65	12.89	4001.5E6	3909.4E6	206.811	211.850
6)	delta-BHC	12.24	12.77	4587.7E6	4449.9E6	232.724	227.837
7)	Aldrin	13.23	13.52	3775.6E6	3661.5E6	213.118	217.909
8)	Heptachlor Epoxi	14.37	14.58	3404.9E6	3290.3E6	197.646	202.059
9)	gamma-Chlordane	14.60	14.93	3609.8E6	3277.3E6	208.724	210.259
10)	alpha-Chlordane	14.83	15.19	3519.0E6	3104.6E6	206.117	202.690
11)	Endosulfan I	15.08	15.29	3204.7E6	2989.4E6	201.142	205.480
12)	4,4'-DDE	14.97	15.47	3529.1E6	3127.9E6	211.363	219.500
13)	Dieldrin	15.49	15.76	3456.0E6	3151.0E6	209.747	215.961
14)	Endrin	15.88	16.24	2892.1E6	2766.5E6	210.272	216.629
15)	4,4'-DDD	15.97	16.39	2820.4E6	2395.9E6	213.410	207.993
16)	Endosulfan II	16.23	16.55	2806.0E6	2474.3E6	206.309	207.859
17)	4,4'-DDT	16.39	16.84	2758.6E6	2268.9E6	213.638	233.848
18)	Endrin Aldehyde	16.84	17.02	2131.1E6	1806.1E6	200.070	161.931
19)	Endosulfan Sulfa	17.43	17.39	2231.5E6	2059.4E6	205.786	206.348
20)	Methoxychlor	17.06	17.71	1307.7E6	1068.2E6	199.335	201.264
21)	Endrin Ketone	17.79	18.06	2691.1E6	2364.7E6	209.174	221.954

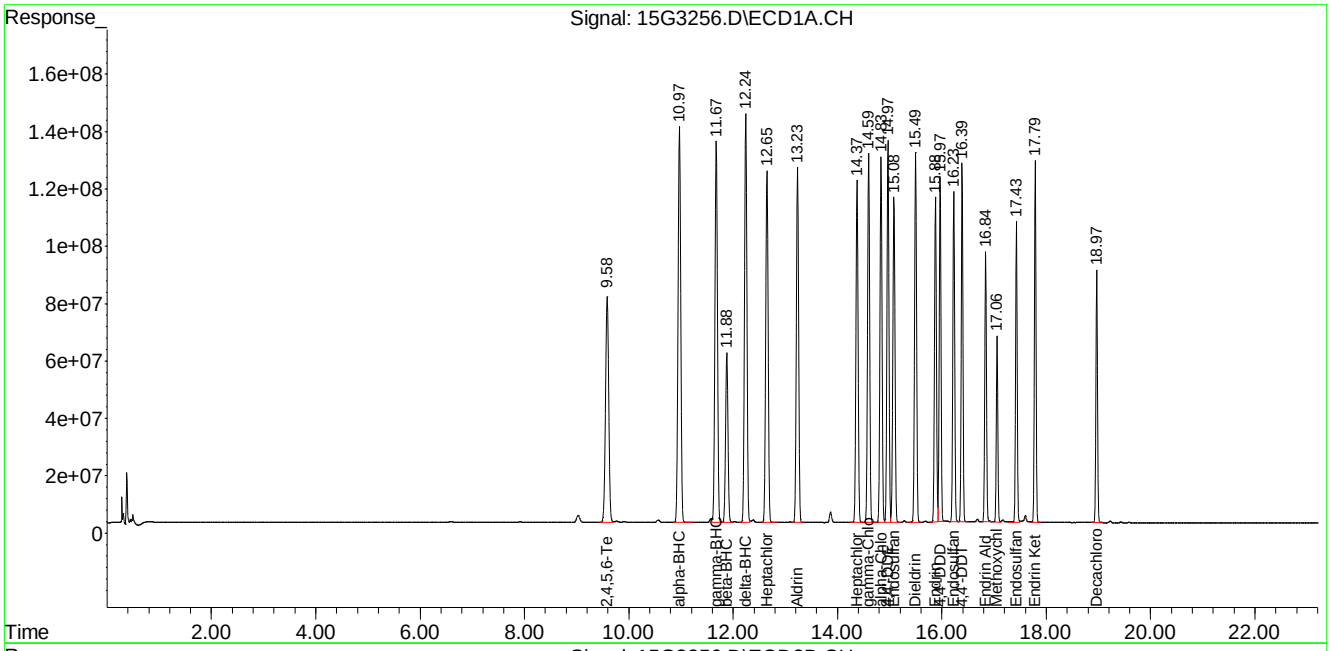
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

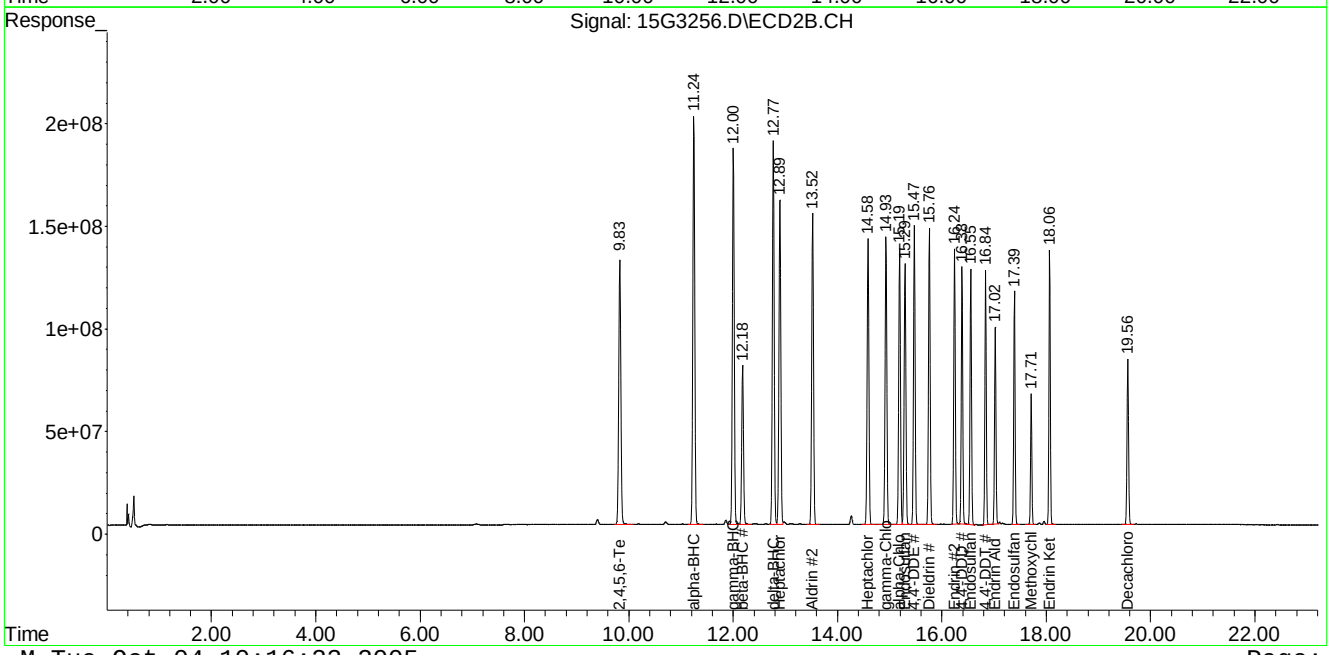
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\100305\
Data File : 15G3256.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Oct 2005 15:33 (#1); 03 Oct 2005 16:01 (#2)
Operator : ECL
Sample : WG197792-01 PEST ICAL 200 PPB
Misc : 1,1 SOS75-31
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 10:11:14 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Tue Oct 04 10:11:12 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\100305\
Data File : 15G3257.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Oct 2005 16:01 (#1); 03 Oct 2005 16:29 (#2)
Operator : ECL
Sample : WG197792-02 PEST ICAL 100 PPB
Misc : 1,1 SOS75-31
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 10:11:37 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Tue Oct 04 10:11:33 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.58	9.82	1680.4E6	1840.3E6	106.128	105.126
	Spiked Amount 20.000 Range 30 - 132 Recovery =					530.64%#	525.63%#
22) S	Decachlorobiphen	18.97	19.56	923.9E6	832.1E6	91.749	91.656
	Spiked Amount 20.000 Range 36 - 144 Recovery =					458.74%#	458.28%#
	Target Compounds						
2)	alpha-BHC	10.97	11.24	2485.8E6	2572.3E6	115.726	113.337
3)	gamma-BHC	11.67	12.00	2247.4E6	2255.9E6	113.293	110.998
4)	beta-BHC	11.88	12.18	923.1E6	912.1E6	99.568	100.509
5)	Heptachlor	12.65	12.89	2064.2E6	1980.7E6	106.681	107.335
6)	delta-BHC	12.24	12.77	2285.3E6	2201.5E6	115.833	112.736
7)	Aldrin	13.23	13.52	1926.1E6	1838.4E6	108.721	109.417
8)	Heptachlor Epoxi	14.37	14.58	1765.6E6	1656.7E6	102.489	101.740
9)	gamma-Chlordane	14.59	14.93	1826.7E6	1629.2E6	105.616	104.522
10)	alpha-Chlordane	14.83	15.19	1787.8E6	1568.6E6	104.697	102.411
11)	Endosulfan I	15.08	15.29	1651.8E6	1499.4E6	103.671	103.060
12)	4,4'-DDE	14.97	15.47	1815.1E6	1548.1E6	108.699	108.632
13)	Dieldrin	15.49	15.76	1768.2E6	1562.9E6	107.306	107.116
14)	Endrin	15.88	16.24	1468.0E6	1364.5E6	106.728	106.984
15)	4,4'-DDD	15.97	16.39	1429.1E6	1166.9E6	108.119	101.644
16)	Endosulfan II	16.23	16.55	1431.3E6	1216.4E6	105.196	102.342
17)	4,4'-DDT	16.39	16.84	1400.9E6	1100.7E6	108.474	113.366
18)	Endrin Aldehyde	16.84	17.02	1062.2E6	877.2E6	99.706	78.712
19)	Endosulfan Sulfa	17.43	17.39	1101.2E6	1004.8E6	101.482	100.666
20)	Methoxychlor	17.06	17.71	646.4E6	519.3E6	98.470	97.803
21)	Endrin Ketone	17.79	18.06	1342.0E6	1151.9E6	104.267	108.102

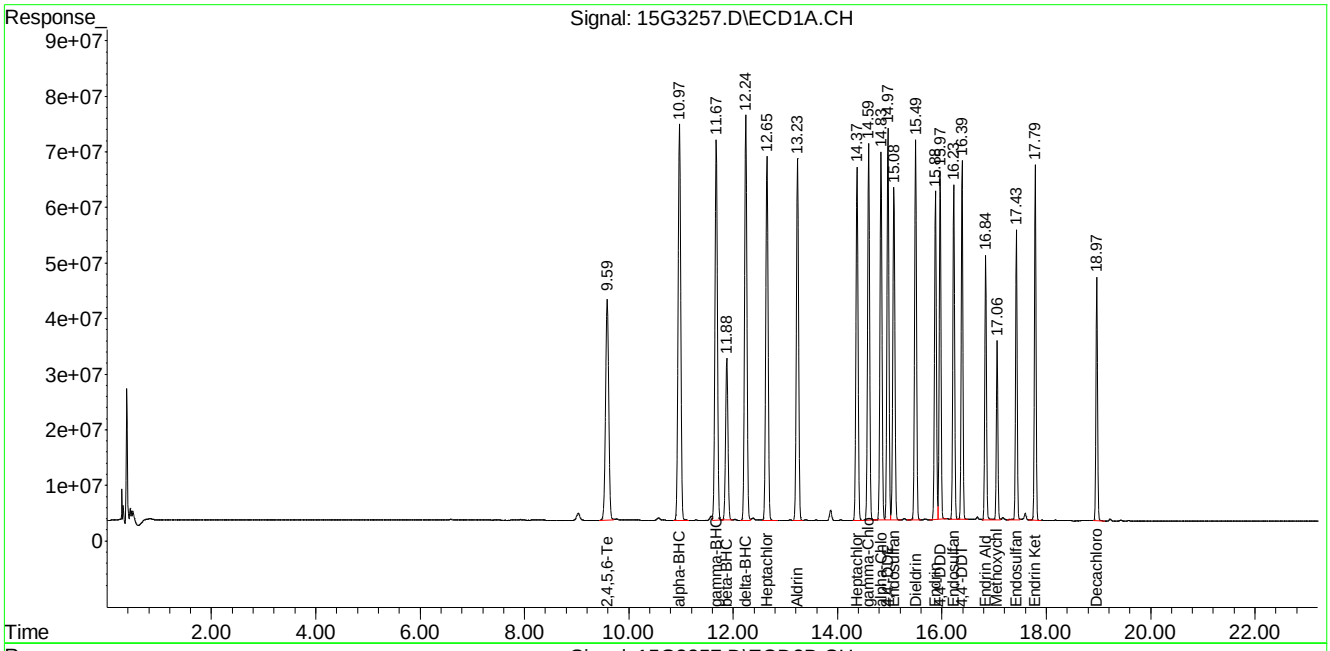
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

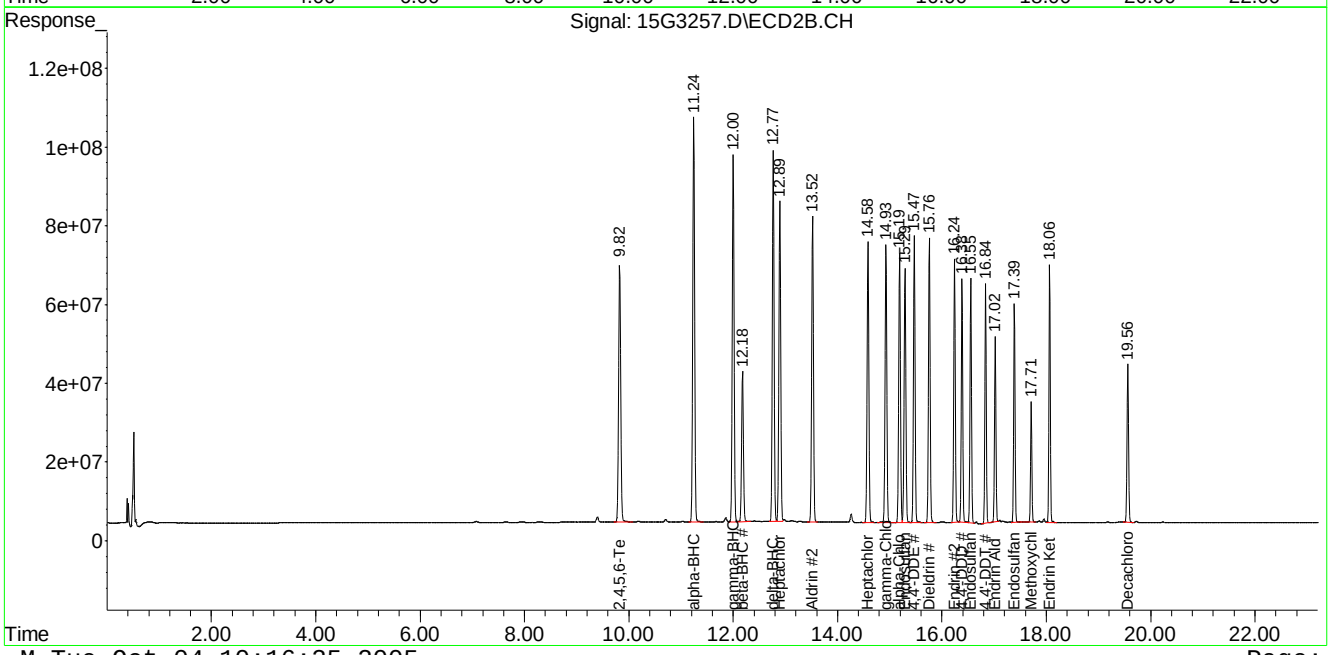
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\100305\
Data File : 15G3257.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Oct 2005 16:01 (#1); 03 Oct 2005 16:29 (#2)
Operator : ECL
Sample : WG197792-02 PEST ICAL 100 PPB
Misc : 1,1 SOS75-31
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 10:11:37 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Tue Oct 04 10:11:33 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\100305\
Data File : 15G3258.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Oct 2005 16:29 (#1); 03 Oct 2005 16:56 (#2)
Operator : ECL
Sample : WG197792-03 PEST ICAL 50 PPB
Misc : 1,1 SOS75-31
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 10:12:04 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Tue Oct 04 10:12:02 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.59	9.83	818.0E6	888.3E6	51.662	50.703
	Spiked Amount 20.000 Range 30 - 132 Recovery =					258.31%#	253.52%#
22) S	Decachlorobiphen	18.97	19.56	463.1E6	415.5E6	45.989	45.775
	Spiked Amount 20.000 Range 36 - 144 Recovery =					229.94%#	228.87%#
	Target Compounds						
2)	alpha-BHC	10.97	11.24	1192.3E6	1218.6E6	55.505	53.685
3)	gamma-BHC	11.67	12.00	1087.1E6	1070.7E6	54.805	52.660
4)	beta-BHC	11.88	12.18	457.1E6	441.0E6	49.302	48.553
5)	Heptachlor	12.65	12.90	1021.8E6	945.6E6	52.806	51.138
6)	delta-BHC	12.24	12.77	1095.4E6	1038.0E6	55.522	53.111
7)	Aldrin	13.23	13.52	943.9E6	864.7E6	53.282	51.463
8)	Heptachlor Epoxi	14.37	14.58	883.8E6	791.0E6	51.303	48.576
9)	gamma-Chlordane	14.59	14.93	893.1E6	767.2E6	51.636	49.213
10)	alpha-Chlordane	14.83	15.19	878.8E6	742.6E6	51.454	48.481
11)	Endosulfan I	15.08	15.29	822.2E6	711.7E6	51.603	48.916
12)	4,4'-DDE	14.97	15.47	883.8E6	721.5E6	52.922	50.623
13)	Dieldrin	15.49	15.76	872.5E6	730.6E6	52.957	50.073
14)	Endrin	15.88	16.24	721.1E6	634.0E6	52.423	49.811
15)	4,4'-DDD	15.97	16.39	695.2E6	542.7E6	52.592	47.499
16)	Endosulfan II	16.23	16.55	703.5E6	572.3E6	51.728	48.233
17)	4,4'-DDT	16.39	16.84	676.0E6	504.7E6	52.353	52.120
18)	Endrin Aldehyde	16.84	17.02	526.3E6	418.8E6	49.390	37.751
19)	Endosulfan Sulfa	17.43	17.39	534.9E6	472.7E6	49.276	47.353
20)	Methoxychlor	17.06	17.71	325.5E6	248.4E6	49.503	46.739
21)	Endrin Ketone	17.79	18.06	649.4E6	540.8E6	50.454	50.664

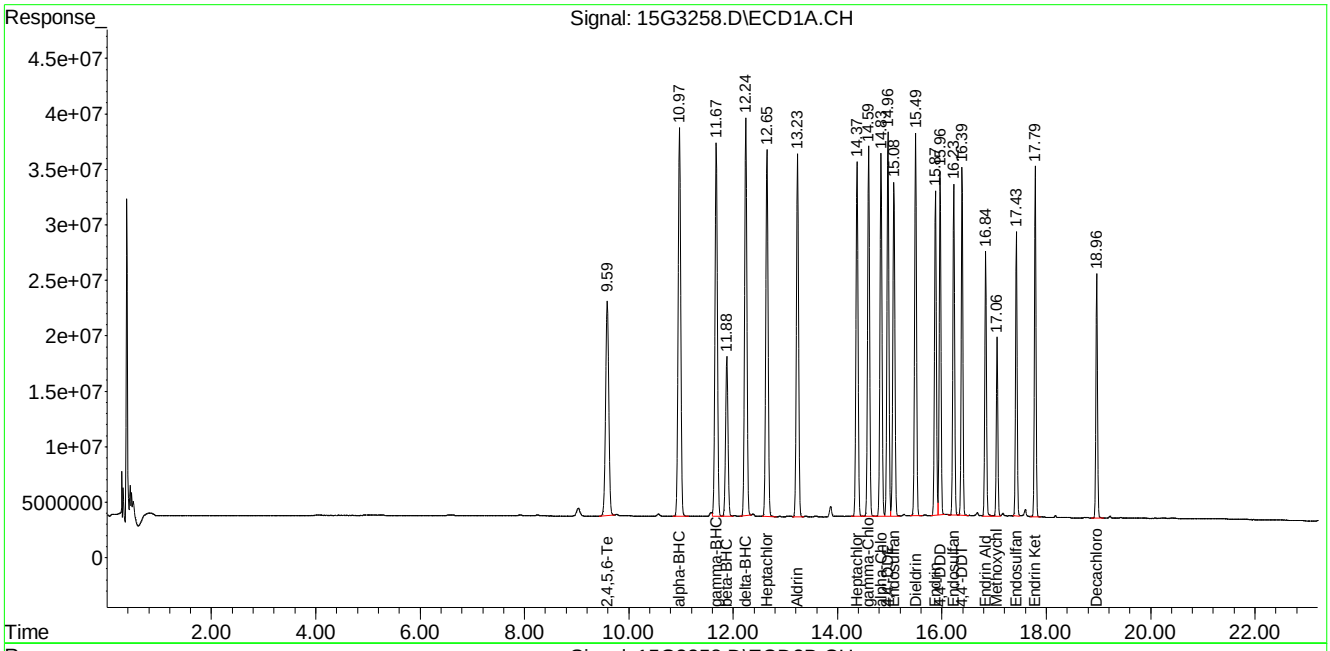
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

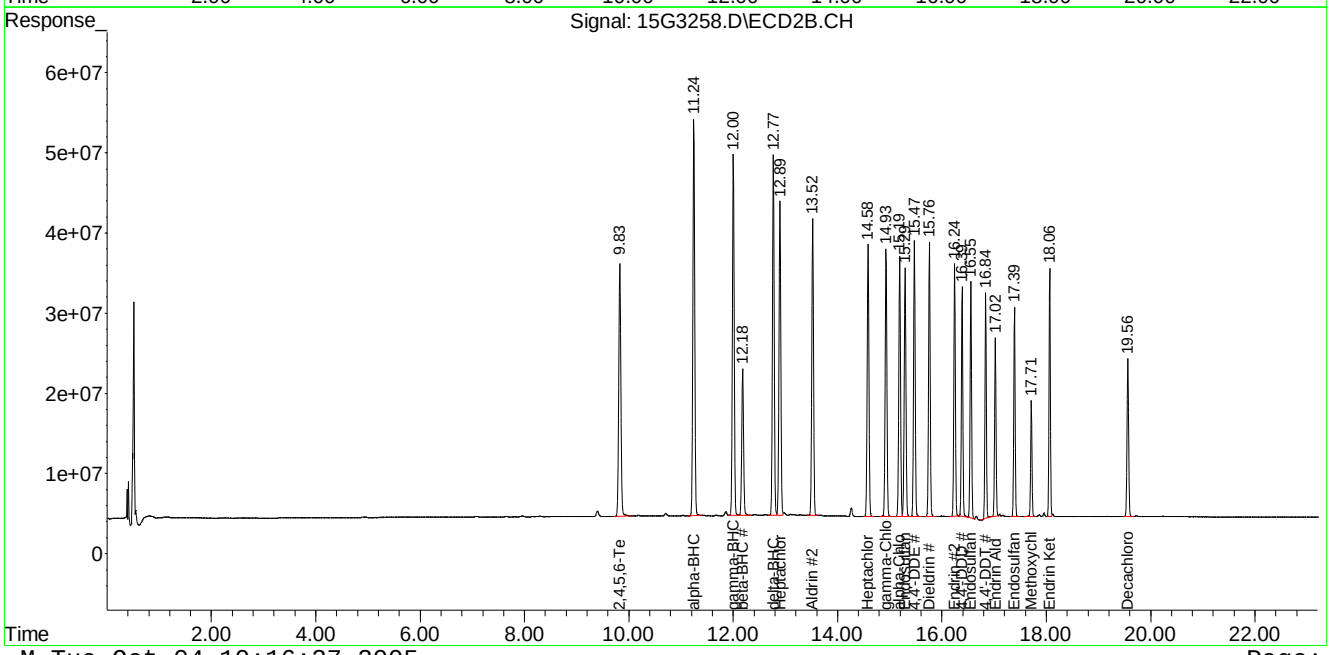
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\100305\
Data File : 15G3258.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Oct 2005 16:29 (#1); 03 Oct 2005 16:56 (#2)
Operator : ECL
Sample : WG197792-03 PEST ICAL 50 PPB
Misc : 1,1 SOS75-31
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 10:12:04 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Tue Oct 04 10:12:02 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\100305\
Data File : 15G3259.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Oct 2005 16:56 (#1); 03 Oct 2005 17:24 (#2)
Operator : ECL
Sample : WG197792-04 PEST ICAL 20 PPB
Misc : 1,1 SOS75-31
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 10:12:22 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Tue Oct 04 10:12:20 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.58	9.83	313.7E6	350.2E6	19.800	19.974
	Spiked Amount 20.000 Range 30 - 132 Recovery =					99.00%	99.87%
22) S	Decachlorobiphen	18.97	19.56	169.8E6	174.8E6	16.858	19.252
	Spiked Amount 20.000 Range 36 - 144 Recovery =					84.29%	96.26%
	Target Compounds						
2)	alpha-BHC	10.97	11.24	432.1E6	461.9E6	20.111	20.343
3)	gamma-BHC	11.67	12.00	400.8E6	411.5E6	20.162	20.227
4)	beta-BHC	11.88	12.18	178.8E6	179.6E6	19.285	19.753
5)	Heptachlor	12.65	12.89	387.3E6	365.6E6	20.016	19.856
6)	delta-BHC	12.24	12.77	403.7E6	391.6E6	20.418	20.065
7)	Aldrin	13.23	13.52	352.7E6	334.3E6	19.911	19.898
8)	Heptachlor Epoxi	14.37	14.58	342.8E6	315.4E6	19.901	19.367
9)	gamma-Chlordane	14.59	14.93	339.0E6	302.0E6	19.591	19.370
10)	alpha-Chlordane	14.83	15.19	337.1E6	295.9E6	19.739	19.319
11)	Endosulfan I	15.08	15.29	317.1E6	282.6E6	19.901	19.427
12)	4,4'-DDE	14.97	15.47	336.1E6	277.5E6	20.127	19.465
13)	Dieldrin	15.49	15.76	328.9E6	282.9E6	19.958	19.386
14)	Endrin	15.88	16.24	272.2E6	245.7E6	19.791	19.306
15)	4,4'-DDD	15.97	16.39	260.7E6	209.7E6	19.724	18.421
16)	Endosulfan II	16.23	16.55	273.8E6	226.7E6	20.124	19.152
17)	4,4'-DDT	16.39	16.84	258.0E6	191.8E6	19.964	19.917
18)	Endrin Aldehyde	16.84	17.02	196.8E6	173.1E6	18.459	15.691
19)	Endosulfan Sulfa	17.43	17.39	175.3E6	189.5E6	16.148	18.981
20)	Methoxychlor	17.06	17.71	115.3E6	101.9E6	17.531	19.171
21)	Endrin Ketone	17.79	18.06	212.3E6	208.3E6	16.498	19.512

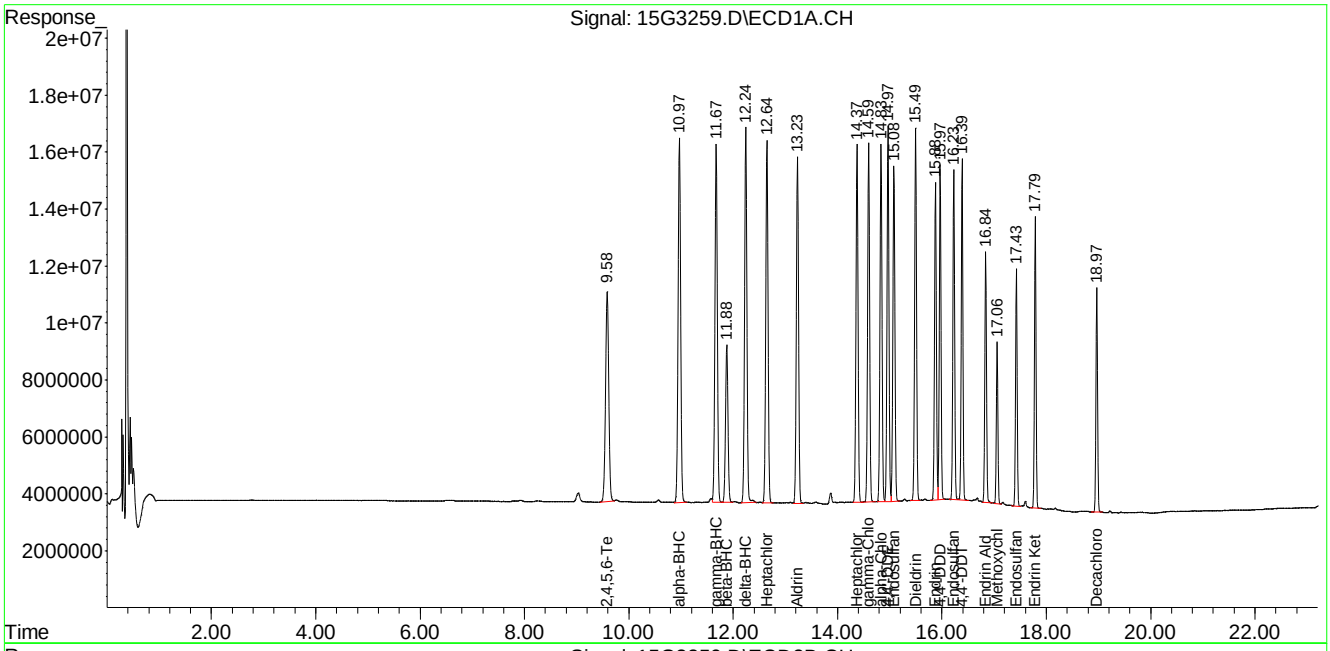
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

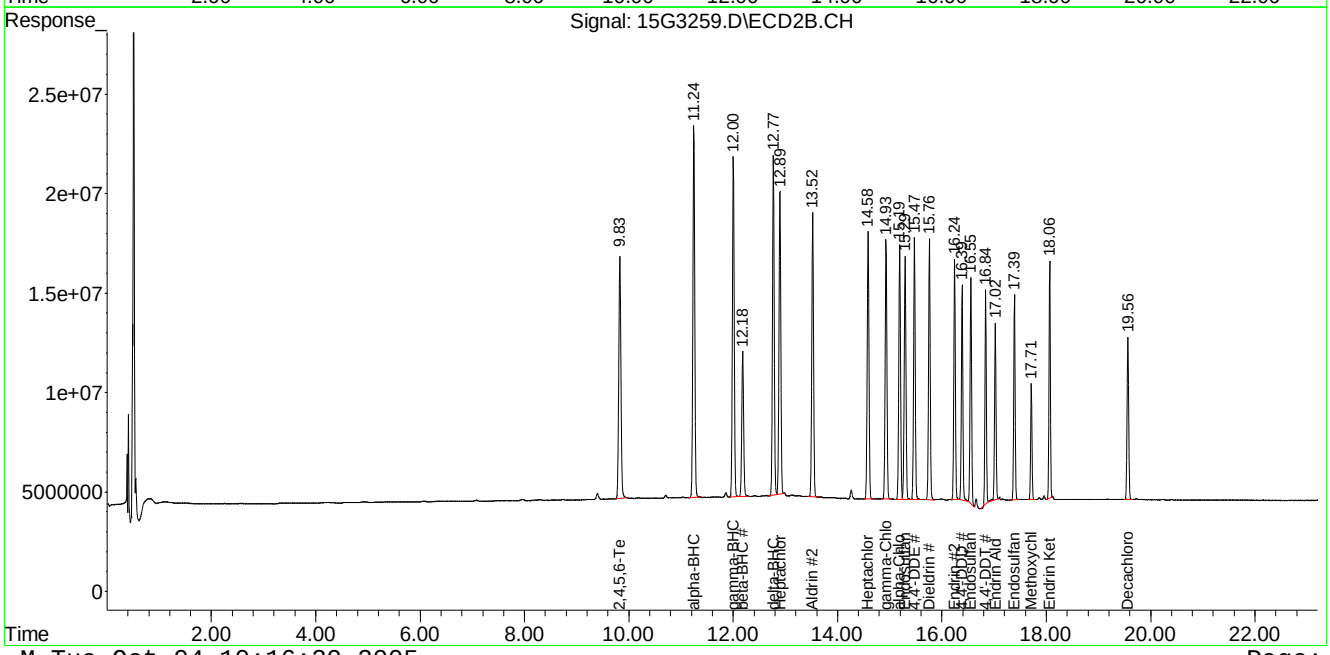
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\100305\
Data File : 15G3259.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Oct 2005 16:56 (#1); 03 Oct 2005 17:24 (#2)
Operator : ECL
Sample : WG197792-04 PEST ICAL 20 PPB
Misc : 1,1 SOS75-31
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 10:12:22 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Tue Oct 04 10:12:20 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\100305\
Data File : 15G3260.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Oct 2005 17:24 (#1); 03 Oct 2005 17:52 (#2)
Operator : ECL
Sample : WG197792-05 PEST ICAL 10 PPB
Misc : 1,1 SOS75-31
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 10:13:00 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Tue Oct 04 10:12:55 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.58	9.83	156.2E6	169.2E6	9.843	9.641
	Spiked Amount 20.000 Range 30 - 132 Recovery =					49.21%	48.20%
22) S	Decachlorobiphen	18.97	19.56	105.4E6	91656263	10.466	10.096
	Spiked Amount 20.000 Range 36 - 144 Recovery =					52.33%	50.48%
	Target Compounds						
2)	alpha-BHC	10.97	11.24	202.0E6	210.1E6	9.400	9.254
3)	gamma-BHC	11.67	12.00	193.0E6	189.7E6	9.675	9.322
4)	beta-BHC	11.87	12.18	91370624	87575872	9.856	9.624
5)	Heptachlor	12.64	12.90	189.7E6	178.5E6	9.805	9.660
6)	delta-BHC	12.24	12.77	186.7E6	180.2E6	9.442	9.224
7)	Aldrin	13.23	13.52	171.2E6	155.5E6	9.665	9.255
8)	Heptachlor Epoxi	14.37	14.58	171.4E6	152.9E6	9.952	9.388
9)	gamma-Chlordane	14.59	14.93	167.5E6	145.2E6	9.671	9.310
10)	alpha-Chlordane	14.83	15.19	168.3E6	143.6E6	9.856	9.376
11)	Endosulfan I	15.08	15.29	158.2E6	136.4E6	9.927	9.376
12)	4,4'-DDE	14.96	15.47	164.6E6	129.9E6	9.856	9.115
13)	Dieldrin	15.49	15.76	161.3E6	134.1E6	9.783	9.188
14)	Endrin	15.87	16.24	134.3E6	116.7E6	9.761	9.165
15)	4,4'-DDD	15.97	16.39	127.4E6	101.2E6	9.638	8.885
16)	Endosulfan II	16.23	16.55	137.3E6	110.2E6	10.079	9.324
17)	4,4'-DDT	16.39	16.84	126.8E6	89278692	9.801	9.376
18)	Endrin Aldehyde	16.84	17.02	106.9E6	85338490	10.003	7.884
19)	Endosulfan Sulfa	17.43	17.39	108.0E6	93664349	9.944	9.379
20)	Methoxychlor	17.06	17.71	67724636	51171105	10.299	9.634
21)	Endrin Ketone	17.79	18.06	128.2E6	99647322	9.965	9.335

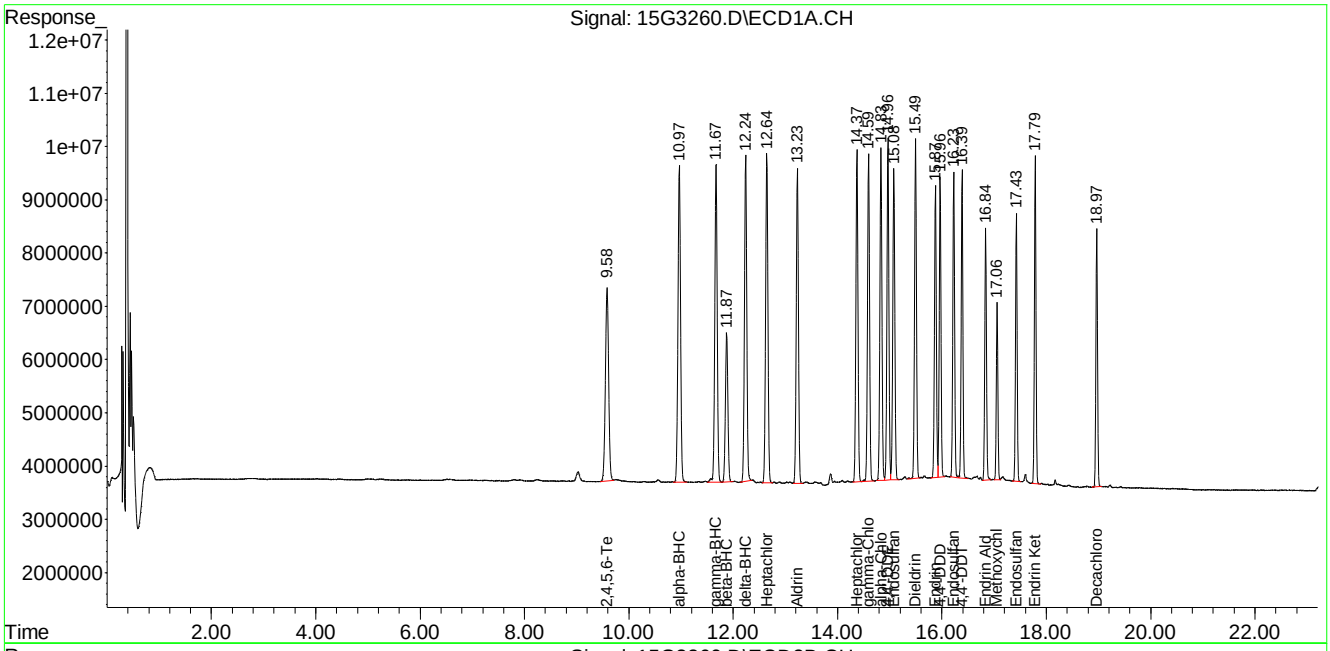
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

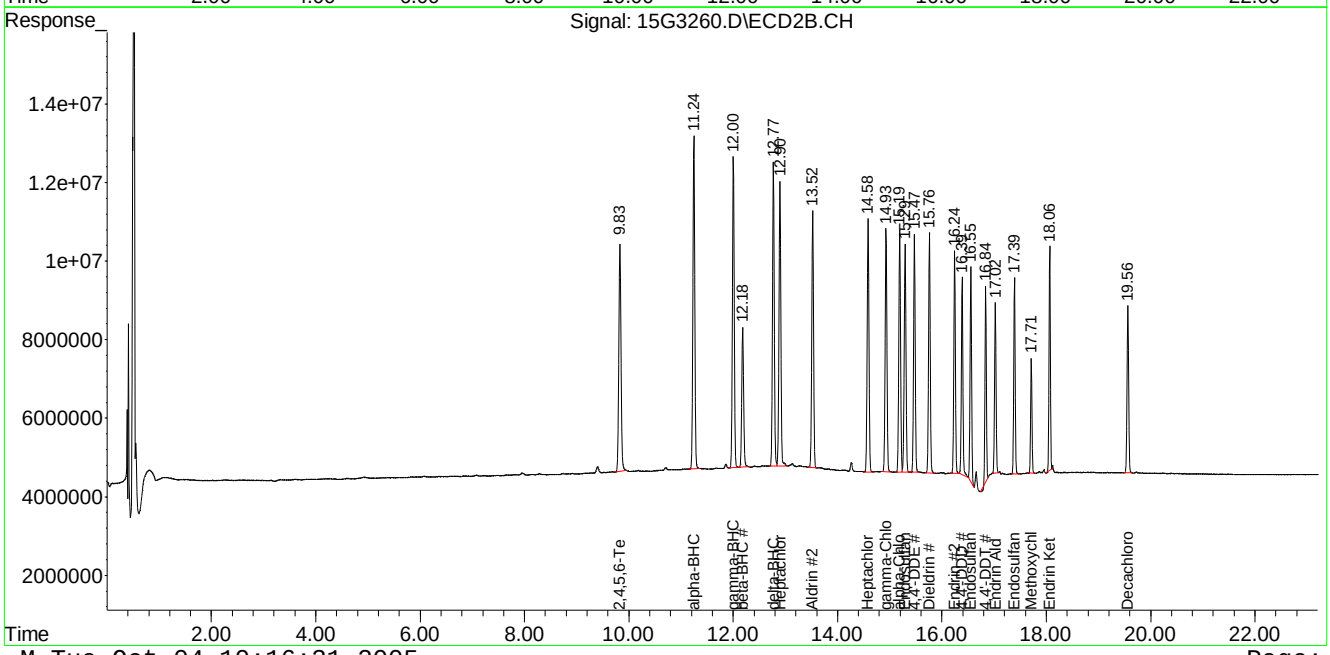
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\100305\
Data File : 15G3260.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Oct 2005 17:24 (#1); 03 Oct 2005 17:52 (#2)
Operator : ECL
Sample : WG197792-05 PEST ICAL 10 PPB
Misc : 1,1 SOS75-31
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 10:13:00 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Tue Oct 04 10:12:55 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\100305\
Data File : 15G3261.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Oct 2005 17:52 (#1); 03 Oct 2005 18:19 (#2)
Operator : ECL
Sample : WG197792-06 PEST ICAL 4 PPB
Misc : 1,1 SOS75-31
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 10:13:34 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Tue Oct 04 10:13:30 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.58	9.83	62396808	69033885	3.919	3.926
	Spiked Amount 20.000 Range 30 - 132 Recovery =					19.60%#	19.63%#
22) S	Decachlorobiphen	18.97	19.56	44790063	39702664	4.446	4.373
	Spiked Amount 20.000 Range 36 - 144 Recovery =					22.23%#	21.87%#
	Target Compounds						
2)	alpha-BHC	10.97	11.24	73204760	81321632	3.404	3.575
3)	gamma-BHC	11.67	12.00	69912824	74597709	3.505	3.665
4)	beta-BHC	11.88	12.18	36916871	36697200	3.982	4.029
5)	Heptachlor	12.64	12.90	72766344	72902915	3.760	3.926
6)	delta-BHC	12.24	12.77	68110804	70325968	3.443	3.594
7)	Aldrin	13.23	13.52	64266872	62109620	3.628	3.696
8)	Heptachlor Epoxi	14.37	14.58	67418748	65204125	3.914	4.002
9)	gamma-Chlordane	14.59	14.93	64851340	61018542	3.744	3.912
10)	alpha-Chlordane	14.83	15.19	66191684	61465720	3.875	4.013
11)	Endosulfan I	15.08	15.29	62240723	57993074	3.907	3.986
12)	4,4'-DDE	14.97	15.47	63366056	53301264	3.795	3.739
13)	Dieldrin	15.49	15.76	61338043	55422623	3.721	3.798
14)	Endrin	15.87	16.24	51615791	50170890	3.752	3.919
15)	4,4'-DDD	15.97	16.39	48154368	43756784	3.644	3.806
16)	Endosulfan II	16.23	16.55	52084684	47016788	3.822	3.991
17)	4,4'-DDT	16.39	16.84	48400220	33517692	3.740	3.554
18)	Endrin Aldehyde	16.84	17.02	43096472	37874865	4.030	3.578
19)	Endosulfan Sulfa	17.43	17.39	44688364	40476001	4.115	4.053
20)	Methoxychlor	17.06	17.71	27986584	22177556	4.257	4.172
21)	Endrin Ketone	17.79	18.06	52321063	42869518	4.065	3.977

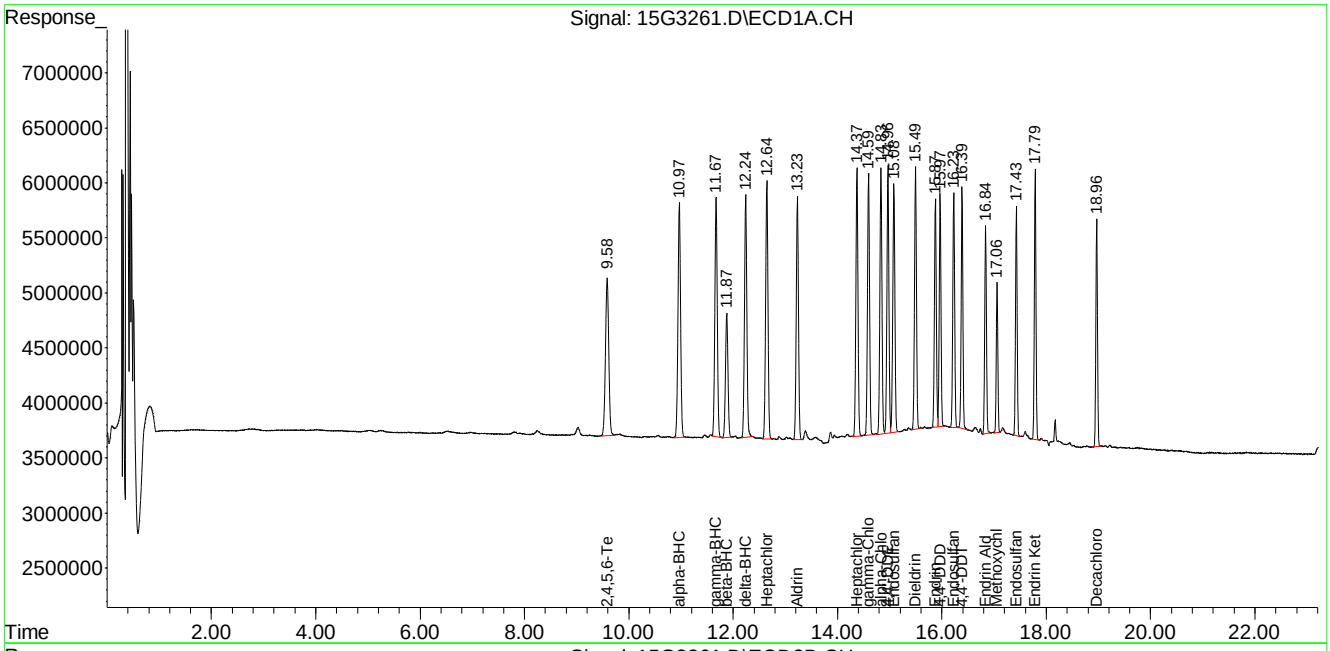
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

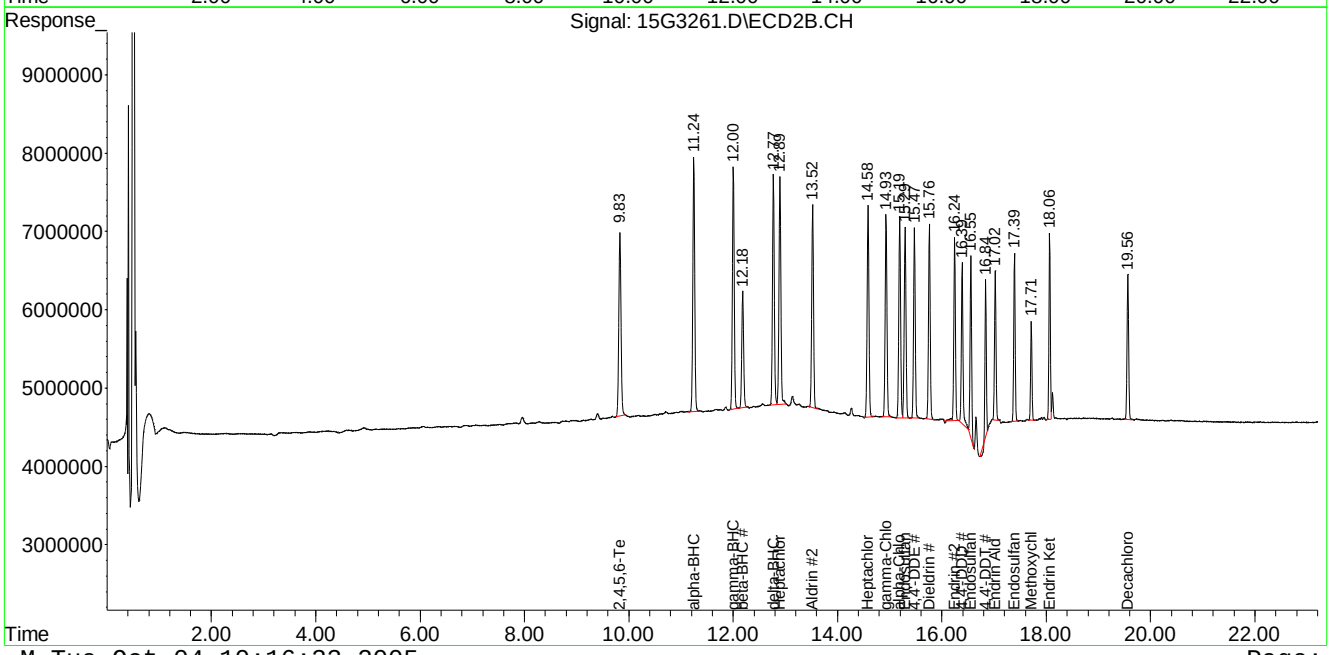
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\100305\
Data File : 15G3261.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Oct 2005 17:52 (#1); 03 Oct 2005 18:19 (#2)
Operator : ECL
Sample : WG197792-06 PEST ICAL 4 PPB
Misc : 1,1 SOS75-31
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 10:13:34 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Tue Oct 04 10:13:30 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\100305\
Data File : 15G3262.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Oct 2005 18:19 (#1); 03 Oct 2005 18:47 (#2)
Operator : ECL
Sample : WG197792-07 PEST ICAL 1 PPB
Misc : 1,1 SOS75-31
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 10:14:25 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Tue Oct 04 10:14:22 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.59	9.83	14574270	16934951	0.915	0.963
	Spiked Amount 20.000 Range 30 - 132 Recovery =					4.58%#	4.81%#
22) S	Decachlorobiphen	18.97	19.56	12524747	10731107	1.243	1.182
	Spiked Amount 20.000 Range 36 - 144 Recovery =					6.22%#	5.91%#
	Target Compounds						
2)	alpha-BHC	10.97	11.24	16969716	19175044	0.789	0.843
3)	gamma-BHC	11.67	12.00	16183811	17890770	0.811	0.879
4)	beta-BHC	11.88	12.18	9788348	9667449	1.056	1.062
5)	Heptachlor	12.65	12.89	17848635	17361336	0.922	0.935
6)	delta-BHC	12.24	12.77	14876089	16749693	0.752	0.856
7)	Aldrin	13.23	13.52	16165456	15839993	0.912	0.943
8)	Heptachlor Epoxi	14.37	14.58	17089024	17841498	0.992	1.095
9)	gamma-Chlordane	14.60	14.93	17150720	16284412	0.990	1.044
10)	alpha-Chlordane	14.83	15.19	16275876	16638553	0.953	1.086
11)	Endosulfan I	15.08	15.29	15303980	15410007	0.961	1.059
12)	4,4'-DDE	14.97	15.47	14313097	14048269	0.857	0.985
13)	Dieldrin	15.49	15.76	15077606	14747478	0.915	1.011
14)	Endrin	15.88	16.24	12796736	12962088	0.930	1.013
15)	4,4'-DDD	15.97	16.39	12403662	10445083	0.939	0.956
16)	Endosulfan II	16.23	16.55	12531896	12370336	0.920	1.050
17)	4,4'-DDT	16.39	16.84	11589476	6681493	0.896	0.708
18)	Endrin Aldehyde	16.84	17.02	11748254	11475279	1.099	1.249
19)	Endosulfan Sulfa	17.43	17.39	12411036	11152091	1.143	1.117
20)	Methoxychlor	17.06	17.71	6970832	5954136	1.060	1.120
21)	Endrin Ketone	17.79	18.06	13714567	10188690	1.066	0.945

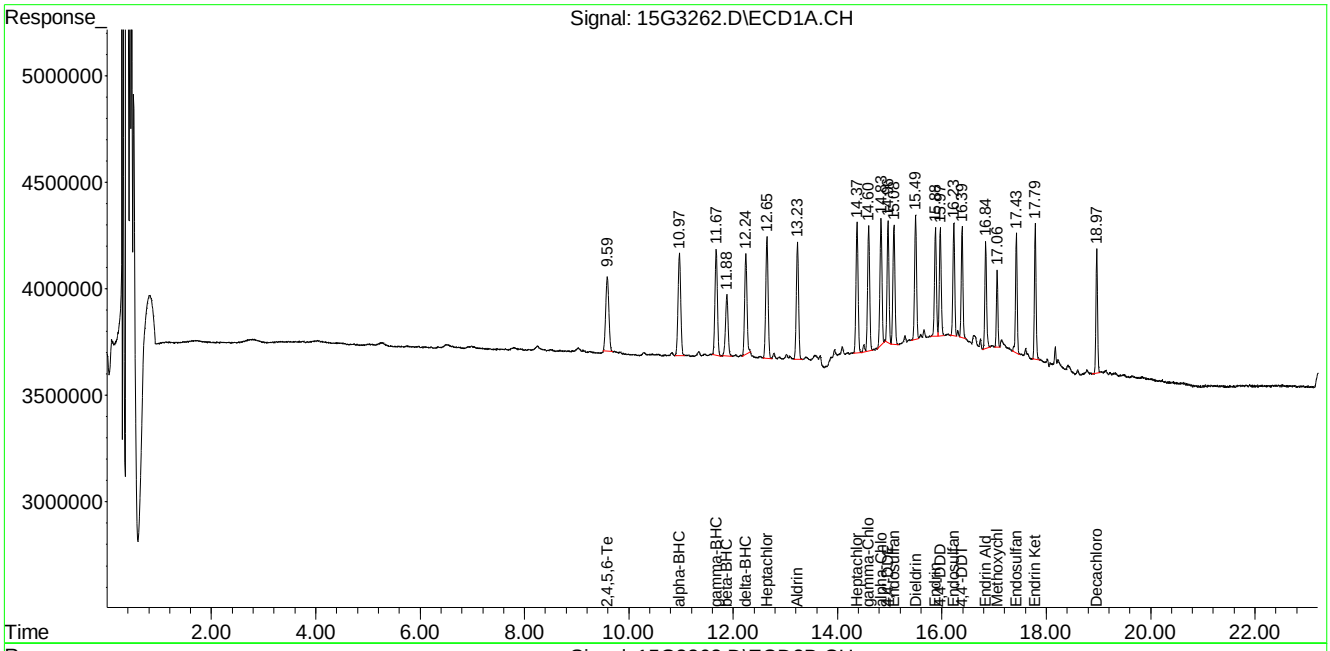
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

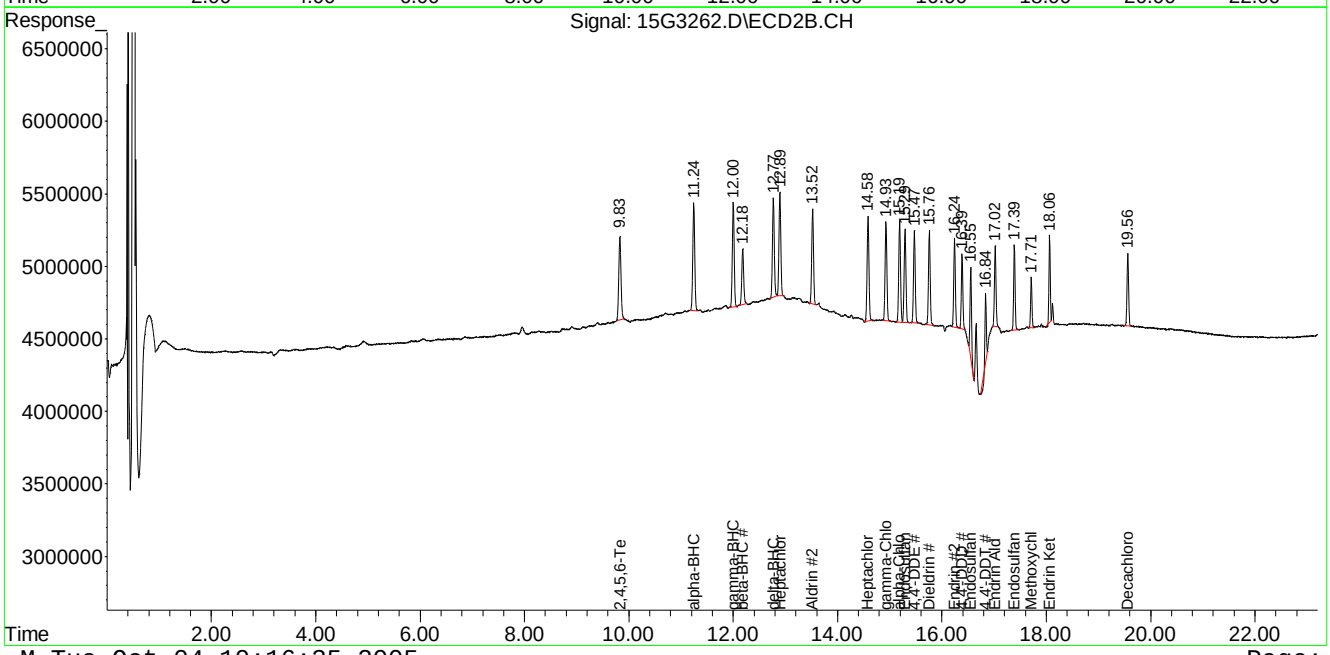
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\100305\
Data File : 15G3262.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Oct 2005 18:19 (#1); 03 Oct 2005 18:47 (#2)
Operator : ECL
Sample : WG197792-07 PEST ICAL 1 PPB
Misc : 1,1 SOS75-31
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 10:14:25 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Tue Oct 04 10:14:22 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\100305\
Data File : 15G3263.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Oct 2005 18:47 (#1); 03 Oct 2005 19:15 (#2)
Operator : ECL
Sample : WG197792-08 PEST ALT 20 PPB
Misc : 1,1 SOS75-24
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 10:14:59 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Tue Oct 04 10:14:22 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.58	9.83	300.3E6	335.5E6	18.861	19.081
	Spiked Amount 20.000 Range 29 - 133 Recovery =					94.31%	95.41%
22) S	Decachlorobiphen	18.96	19.56	193.1E6	165.5E6	19.167	18.222
	Spiked Amount 20.000 Range 30 - 173 Recovery =					95.84%	91.11%
	Target Compounds						
2)	alpha-BHC	10.97	11.24	421.8E6	447.2E6	19.612	19.662
3)	gamma-BHC	11.67	12.00	393.3E6	401.4E6	19.720	19.718
4)	beta-BHC	11.88	12.18	174.2E6	173.1E6	18.791	19.011
5)	Heptachlor	12.64	12.90	381.4E6	364.1E6	19.707	19.610
6)	delta-BHC	12.24	12.77	368.0E6	356.6E6	18.607	18.225
7)	Aldrin	13.23	13.52	360.0E6	335.1E6	20.319	19.941
8)	Heptachlor Epoxi	14.37	14.58	339.3E6	308.2E6	19.695	18.919
9)	gamma-Chlordane	14.59	14.93	344.7E6	303.9E6	19.901	19.485
10)	alpha-Chlordane	14.83	15.19	333.7E6	289.5E6	19.538	18.898
11)	Endosulfan I	15.08	15.29	312.5E6	274.5E6	19.613	18.862
12)	4,4'-DDE	14.97	15.47	333.3E6	271.8E6	19.959	19.062
13)	Dieldrin	15.49	15.76	335.2E6	283.1E6	20.335	19.402
14)	Endrin	15.87	16.24	263.9E6	234.5E6	19.186	18.314
15)	4,4'-DDD	15.97	16.39	263.6E6	206.7E6	19.947	18.915
16)	Endosulfan II	16.23	16.55	269.6E6	219.5E6	19.787	18.628
17)	4,4'-DDT	16.39	16.84	248.5E6	183.5E6	19.202	19.460
18)	Endrin Aldehyde	16.84	17.02	199.1E6	167.0E6	18.620	18.178
19)	Endosulfan Sulfa	17.43	17.39	210.3E6	180.2E6	19.367	18.043
20)	Methoxychlor	17.06	17.71	126.1E6	96236453	19.183	18.104
21)	Endrin Ketone	17.79	18.06	247.0E6	193.4E6	19.192	17.948

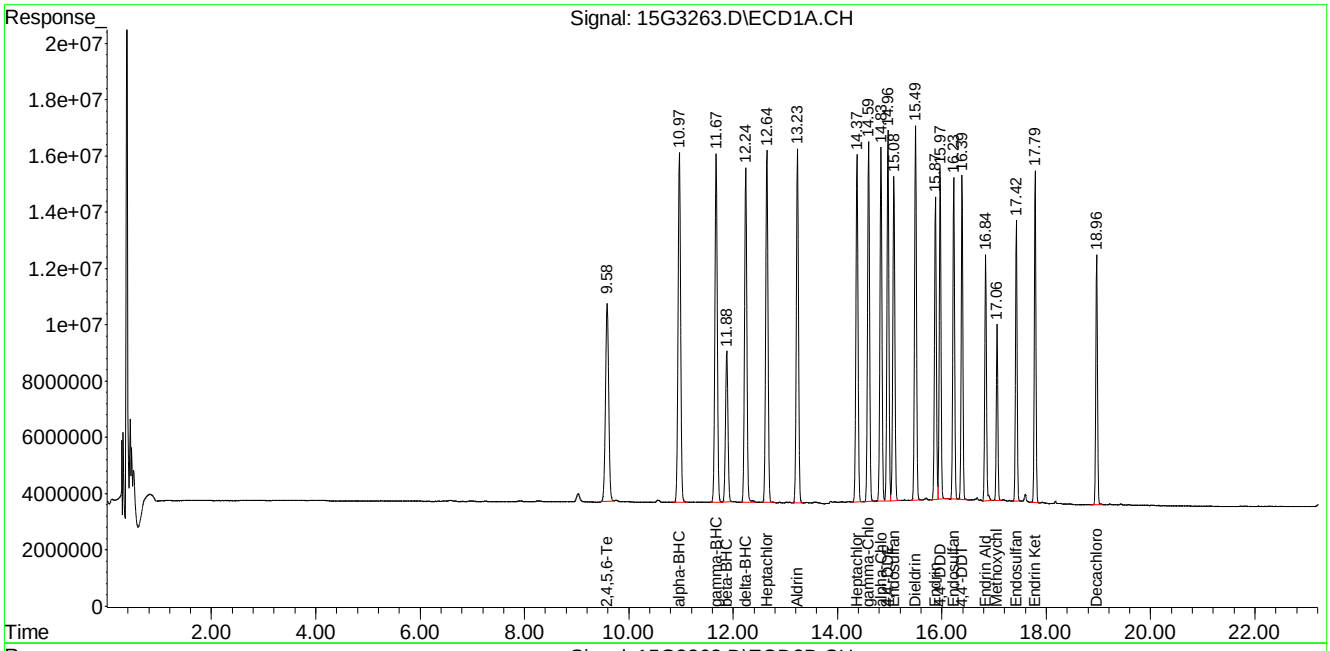
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

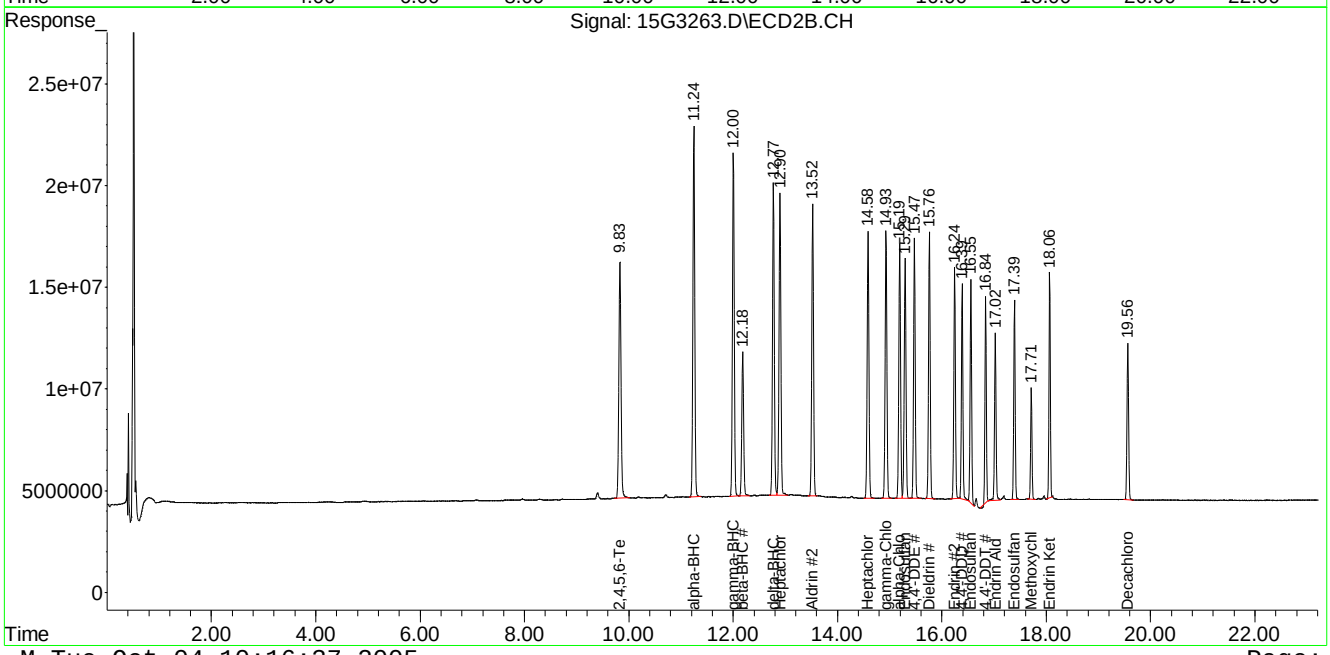
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\100305\
Data File : 15G3263.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Oct 2005 18:47 (#1); 03 Oct 2005 19:15 (#2)
Operator : ECL
Sample : WG197792-08 PEST ALT 20 PPB
Misc : 1,1 SOS75-24
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 10:14:59 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Tue Oct 04 10:14:22 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Response Factor Report HP9

Method : C:\HPCHEM\1\METHODS\TOX.M (Chemstation Integrator)
Title : CALIBRATION October 13, 2005
Last Update : Fri Oct 14 09:42:14 2005

Calibration Files
2000 =9G32626.D 1000 =9G32627.D 500 =9G32628.D
250 =9G32629.D 100 =9G32630.D

	Compound	2000	1000	500	250	100	Avg		%RSD
1) L1	Toxaphene-1	5.644	5.442	5.481	5.332	5.261	5.432	E4	2.71
2) L1	Toxaphene-2	7.880	7.639	7.381	6.494	7.270	7.333	E4	7.16
3) L1	Toxaphene-3	1.388	1.306	1.223	1.253	1.189	1.272	E5	6.15
4) L1	Toxaphene-4	1.470	1.421	1.373	1.357	1.405	1.405	E5	3.14
5) L1	Toxaphene-5	1.282	1.228	1.184	1.204	1.211	1.222	E5	3.04

Signal #2 Calibration Files
2000 =9G32626.D 1000 =9G32627.D 500 =9G32628.D
250 =9G32629.D 100 =9G32630.D

	Compound	2000	1000	500	250	100	Avg		%RSD
1) L1	Toxaphene-1	1.620	1.526	1.513	1.638	1.417	1.543	E5	5.78
2) L1	Toxaphene-2	1.848	1.751	1.739	1.678	1.606	1.725	E5	5.23
3) L1	Toxaphene-3	1.350	1.286	1.206	1.124	1.009	1.195	E5	11.23
4) L1	Toxaphene-4	8.871	8.527	8.443	8.642	8.529	8.602	E4	1.93
5) L1	Toxaphene-5	7.288	6.595	6.218	5.735	4.996	6.166	E4	14.05

(#) = Out of Range

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\101305\9G32626.D\ECD1A.CH Vial: 3
Acq On : 13 Oct 2005 15:33 Operator: ECL
Sample : TOX ICAL 2000 PPB Inst : HP9
Misc : 1,1 SOS75-14 Multiplr: 1.00
IntFile : .E

Data File : C:\HPCHEM\1\DATA\101305\9G32626.D\ECD2B.CH Vial: 3
Acq On : 13 Oct 2005 16:01 Operator: ECL
Sample : TOX ICAL 2000 PPB Inst : HP9
Misc : 1,1 SOS75-14 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 14 9:40 2005 Quant Results File: TOX.RES

Quant Method : C:\HPCHEM\1\METHODS\TOX.M (Chemstation Integrator)
Title : CALIBRATION October 13, 2005
Last Update : Fri Oct 14 09:40:45 2005
Response via : Initial Calibration
DataAcq Meth : 8081.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
Target Compounds						
1) L1 Toxaphene-1	15.70	16.62	112.9E6	323.9E6	2297.867	2346.472
2) L1 Toxaphene-2	16.77	17.32	157.6E6	369.7E6	2234.720	2404.866
3) L1 Toxaphene-3	16.87	17.39	277.6E6	270.1E6	2576.271	2470.884
4) L1 Toxaphene-4	17.36	17.82	293.9E6	177.4E6	2416.564	2505.916
5) L1 Toxaphene-5	17.83	18.04	256.3E6	145.8E6	2405.057	2451.072
Sum Toxaphene-1			1098.3E6	1286.9E6	11930.478	12179.210
Average Toxaphene-1					2386.096	2435.842

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

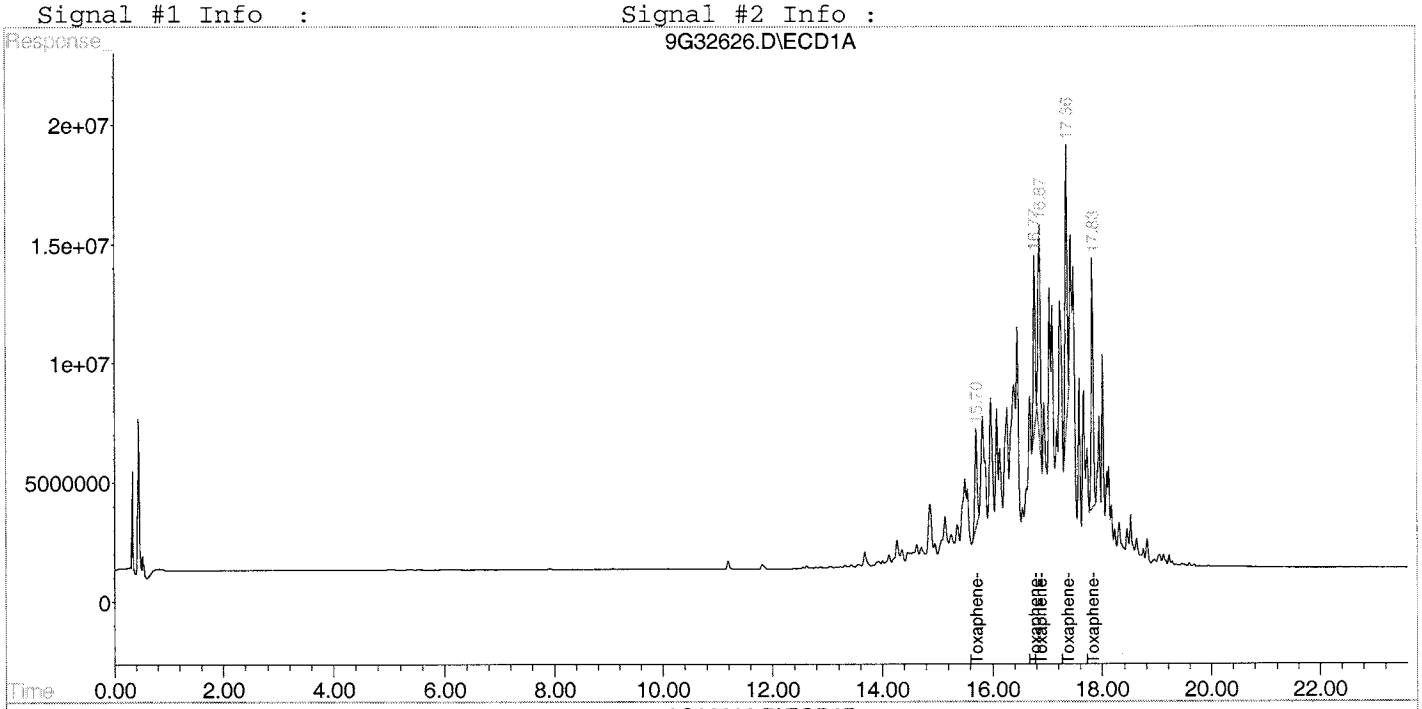
Quantitation Report (Not Reviewed)

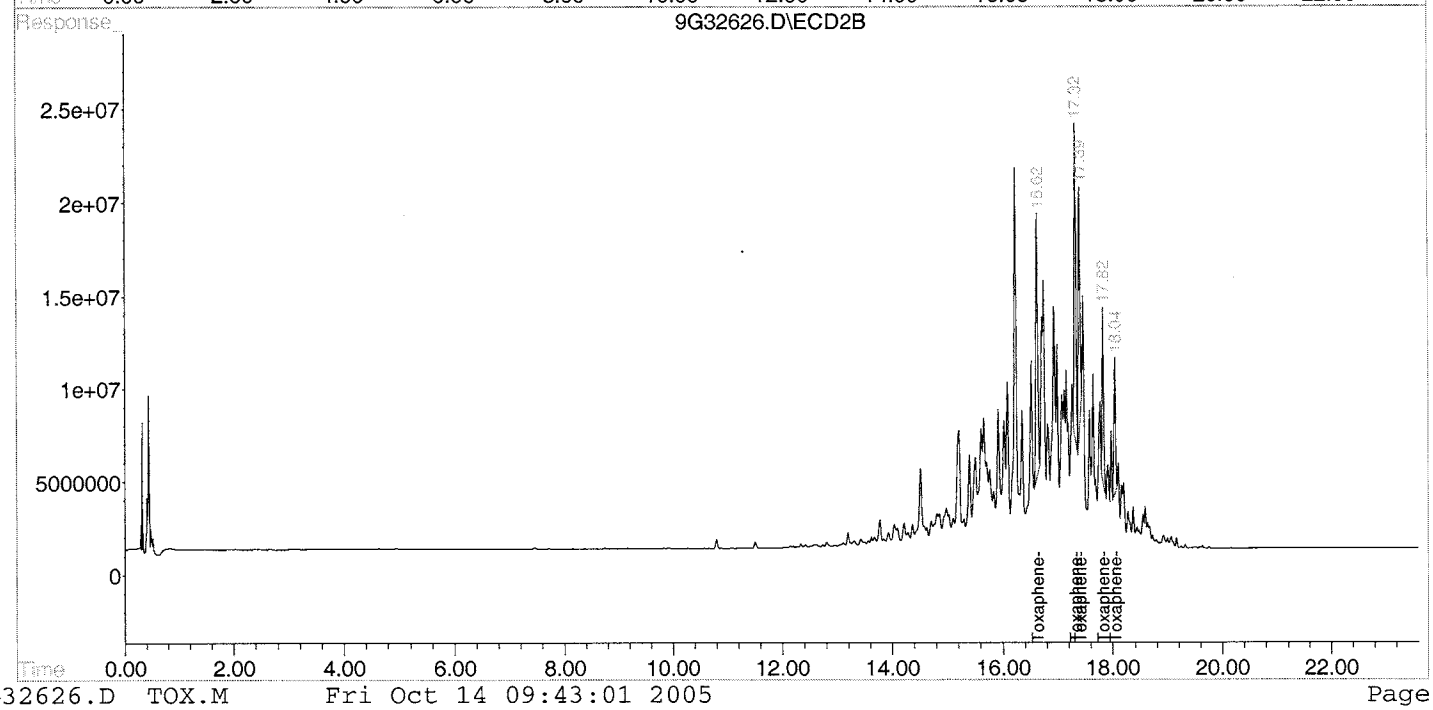
Data File : C:\HPCHEM\1\DATA\101305\9G32626.D\ECD1A.CH Vial: 3
Acq On : 13 Oct 2005 15:33 Operator: ECL
Sample : TOX ICAL 2000 PPB Inst : HP9
Misc : 1,1 SOS75-14 Multiplr: 1.00
IntFile : .E

Data File : C:\HPCHEM\1\DATA\101305\9G32626.D\ECD2B.CH Vial: 3
Acq On : 13 Oct 2005 16:01 Operator: ECL
Sample : TOX ICAL 2000 PPB Inst : HP9
Misc : 1,1 SOS75-14 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 14 9:40 2005 Quant Results File: TOX.RES

Quant Method : C:\HPCHEM\1\METHODS\TOX.M (Chemstation Integrator)
Title : CALIBRATION October 13, 2005
Last Update : Fri Oct 14 09:40:45 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8081.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\101305\9G32627.D\ECD1A.CH Vial: 4
Acq On : 13 Oct 2005 16:01 Operator: ECL
Sample : TOX ICAL 1000 PPB Inst : HP9
Misc : 1,1 SOS75-14 Multiplr: 1.00
IntFile : .E

Data File : C:\HPCHEM\1\DATA\101305\9G32627.D\ECD2B.CH Vial: 4
Acq On : 13 Oct 2005 16:29 Operator: ECL
Sample : TOX ICAL 1000 PPB Inst : HP9
Misc : 1,1 SOS75-14 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 14 9:41 2005 Quant Results File: TOX.RES

Quant Method : C:\HPCHEM\1\METHODS\TOX.M (Chemstation Integrator)
Title : CALIBRATION October 13, 2005
Last Update : Fri Oct 14 09:41:01 2005
Response via : Initial Calibration
DataAcq Meth : 8081.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
Target Compounds						
1) L1 Toxaphene-1	15.70	16.63	54422555	152.6E6	1092.682	1079.496
2) L1 Toxaphene-2	16.77	17.33	76391001	175.1E6	1076.954	1111.112
3) L1 Toxaphene-3	16.87	17.40	130.6E6	128.6E6	1186.780	1143.471
4) L1 Toxaphene-4	17.36	17.83	142.1E6	85272734	1148.501	1152.634
5) L1 Toxaphene-5	17.83	18.04	122.8E6	65951935	1132.416	1091.392
Sum Toxaphene-1			526.3E6	607.6E6	5637.332	5578.106
Average Toxaphene-1					1127.466	1115.621

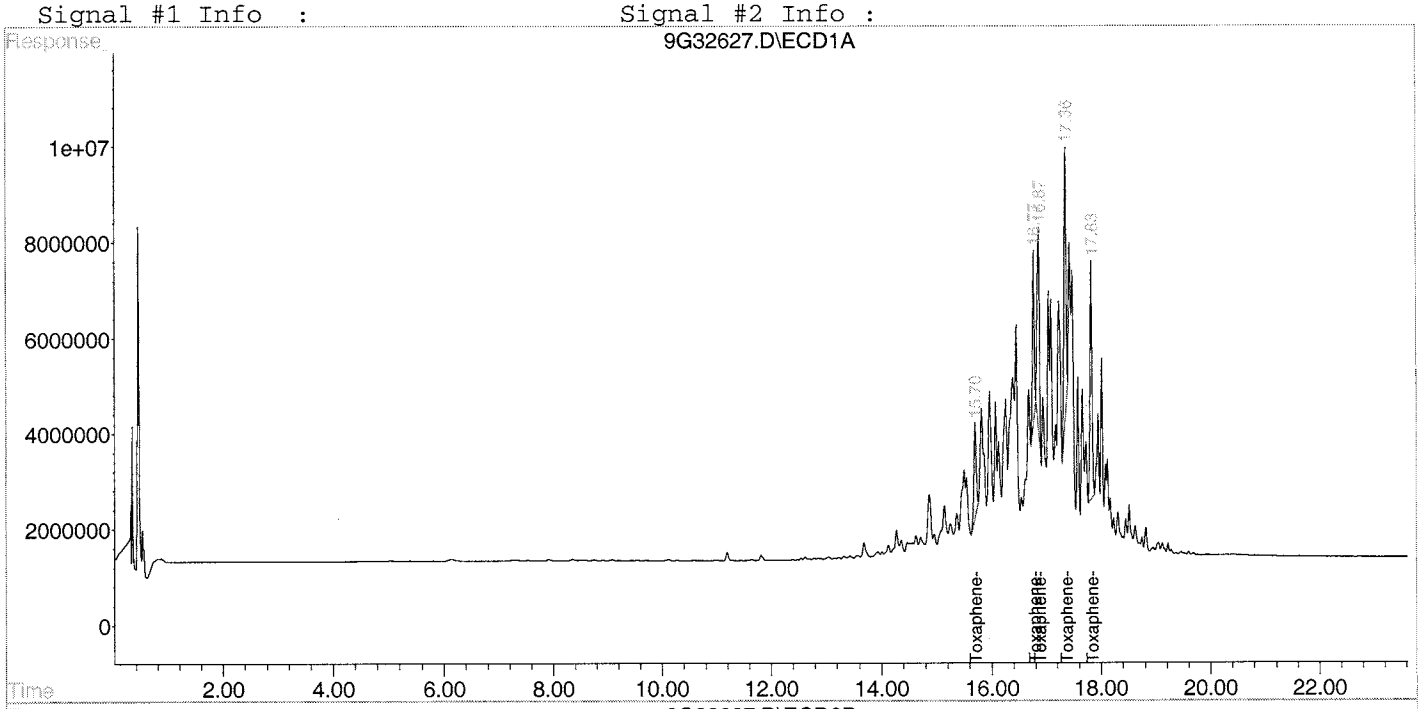
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

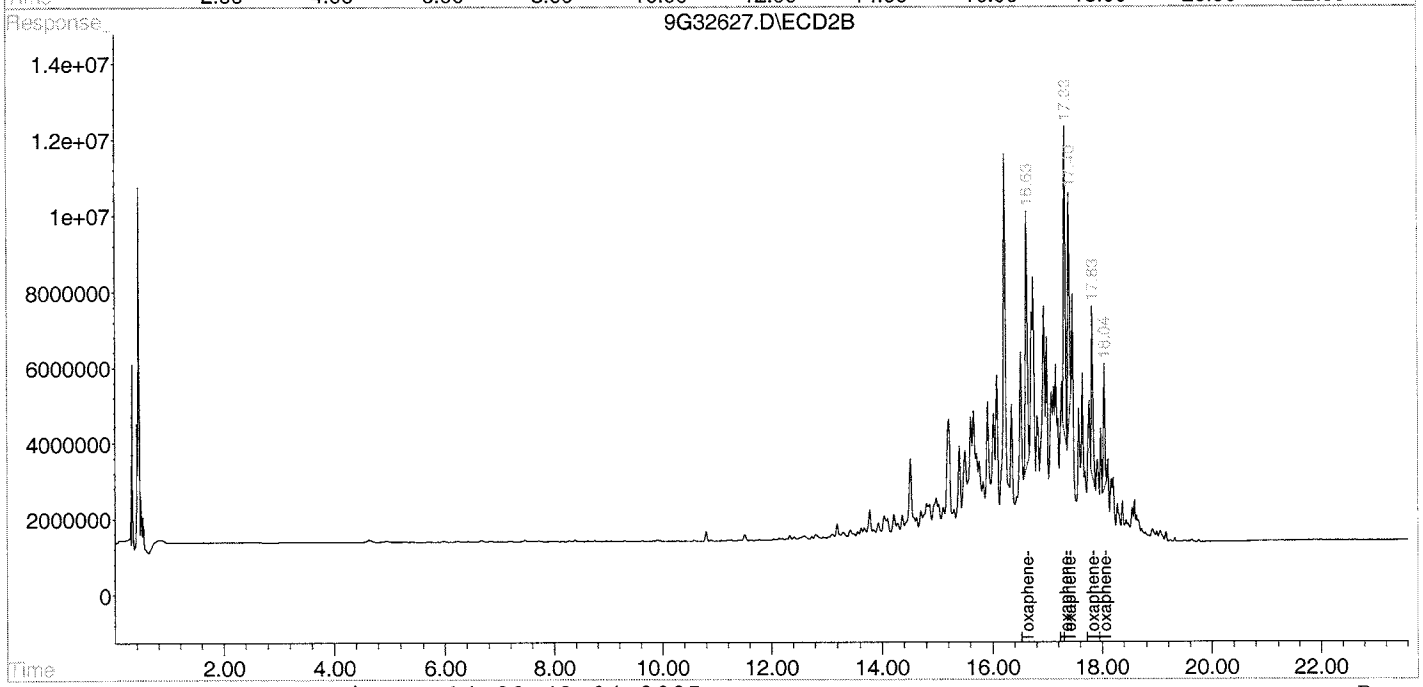
Data File : C:\HPCHEM\1\DATA\101305\9G32627.D\ECD1A.CH Vial: 4
Acq On : 13 Oct 2005 16:01 Operator: ECL
Sample : TOX ICAL 1000 PPB Inst : HP9
Misc : 1,1 SOS75-14 Multiplr: 1.00
IntFile : .E

Data File : C:\HPCHEM\1\DATA\101305\9G32627.D\ECD2B.CH Vial: 4
Acq On : 13 Oct 2005 16:29 Operator: ECL
Sample : TOX ICAL 1000 PPB Inst : HP9
Misc : 1,1 SOS75-14 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 14 9:41 2005 Quant Results File: TOX.RES

Quant Method : C:\HPCHEM\1\METHODS\TOX.M (Chemstation Integrator)
Title : CALIBRATION October 13, 2005
Last Update : Fri Oct 14 09:41:01 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8081.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\101305\9G32628.D\ECD1A.CH Vial: 5
Acq On : 13 Oct 2005 16:29 Operator: ECL
Sample : TOX ICAL 500 PPB Inst : HP9
Misc : 1,1 SOS75-14 Multiplr: 1.00
IntFile : .E

Data File : C:\HPCHEM\1\DATA\101305\9G32628.D\ECD2B.CH Vial: 5
Acq On : 13 Oct 2005 16:57 Operator: ECL
Sample : TOX ICAL 500 PPB Inst : HP9
Misc : 1,1 SOS75-14 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 14 9:41 2005 Quant Results File: TOX.RES

Quant Method : C:\HPCHEM\1\METHODS\TOX.M (Chemstation Integrator)
Title : CALIBRATION October 13, 2005
Last Update : Fri Oct 14 09:41:20 2005
Response via : Initial Calibration
DataAcq Meth : 8081.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
Target Compounds						
1) L1 Toxaphene-1	15.71	16.63	27402869	75630409	537.964	521.801
2) L1 Toxaphene-2	16.78	17.33	36903809	86940140	515.888	537.555
3) L1 Toxaphene-3	16.87	17.40	61128244	60287484	541.527	525.911
4) L1 Toxaphene-4	17.37	17.83	68653643	42213439	542.240	546.579
5) L1 Toxaphene-5	17.83	18.05	59183136	31089853	534.289	507.905
Sum Toxaphene-1			253.3E6	296.2E6	2671.908	2639.751
Average Toxaphene-1					534.382	527.950

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

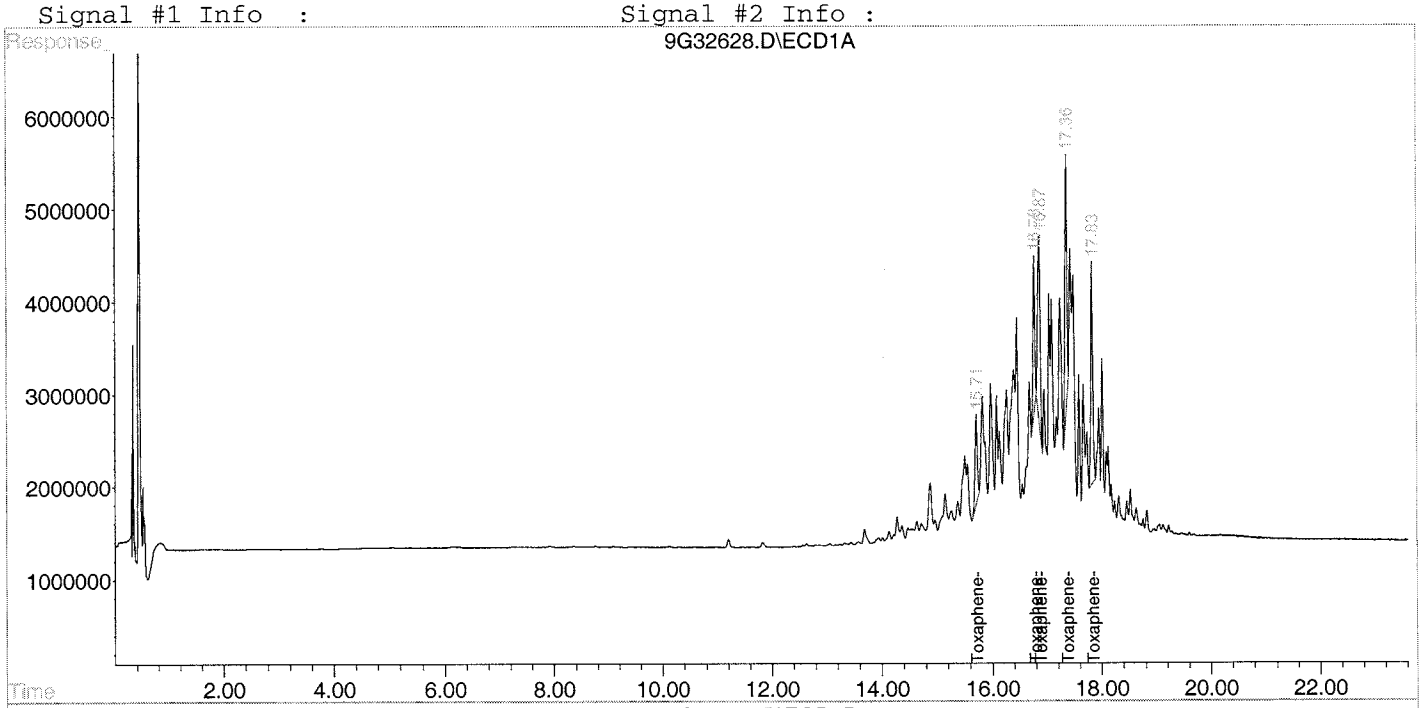
Quantitation Report (Not Reviewed)

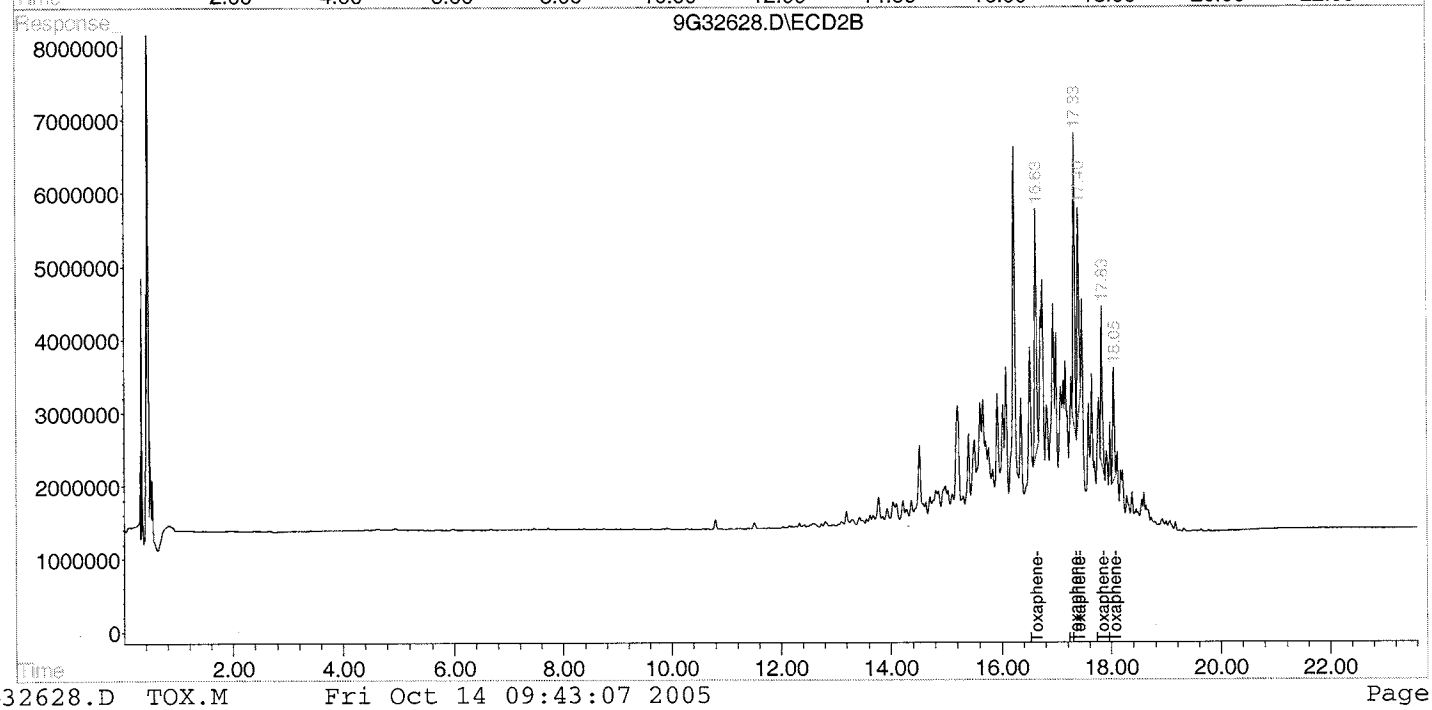
Data File : C:\HPCHEM\1\DATA\101305\9G32628.D\ECD1A.CH Vial: 5
Acq On : 13 Oct 2005 16:29 Operator: ECL
Sample : TOX ICAL 500 PPB Inst : HP9
Misc : 1,1 SOS75-14 Multiplr: 1.00
IntFile : .E

Data File : C:\HPCHEM\1\DATA\101305\9G32628.D\ECD2B.CH Vial: 5
Acq On : 13 Oct 2005 16:57 Operator: ECL
Sample : TOX ICAL 500 PPB Inst : HP9
Misc : 1,1 SOS75-14 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 14 9:41 2005 Quant Results File: TOX.RES

Quant Method : C:\HPCHEM\1\METHODS\TOX.M (Chemstation Integrator)
Title : CALIBRATION October 13, 2005
Last Update : Fri Oct 14 09:41:20 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8081.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\101305\9G32629.D\ECD1A.CH Vial: 6
Acq On : 13 Oct 2005 16:57 Operator: ECL
Sample : TOX ICAL 250 PPB Inst : HP9
Misc : 1,1 SOS75-14 Multiplr: 1.00
IntFile : .E

Data File : C:\HPCHEM\1\DATA\101305\9G32629.D\ECD2B.CH Vial: 6
Acq On : 13 Oct 2005 17:25 Operator: ECL
Sample : TOX ICAL 250 PPB Inst : HP9
Misc : 1,1 SOS75-14 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 14 9:41 2005 Quant Results File: TOX.RES

Quant Method : C:\HPCHEM\1\METHODS\TOX.M (Chemstation Integrator)
Title : CALIBRATION October 13, 2005
Last Update : Fri Oct 14 09:41:37 2005
Response via : Initial Calibration
DataAcq Meth : 8081.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	Target Compounds						
1)	L1 Toxaphene-1	15.72	16.63	13329704	40940673	259.522	271.294
2)	L1 Toxaphene-2	16.79	17.33	16235029	41950291	228.652	253.639
3)	L1 Toxaphene-3	16.88	17.40	31322721	28112424	267.854	241.575
4)	L1 Toxaphene-4	17.37	17.83	33914955	21605911	262.438	268.650
5)	L1 Toxaphene-5	17.84	18.05	30094825	14337824	264.126	233.967
	Sum Toxaphene-1			124.9E6	146.9E6	1282.592	1269.125
	Average Toxaphene-1					256.518	253.825

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

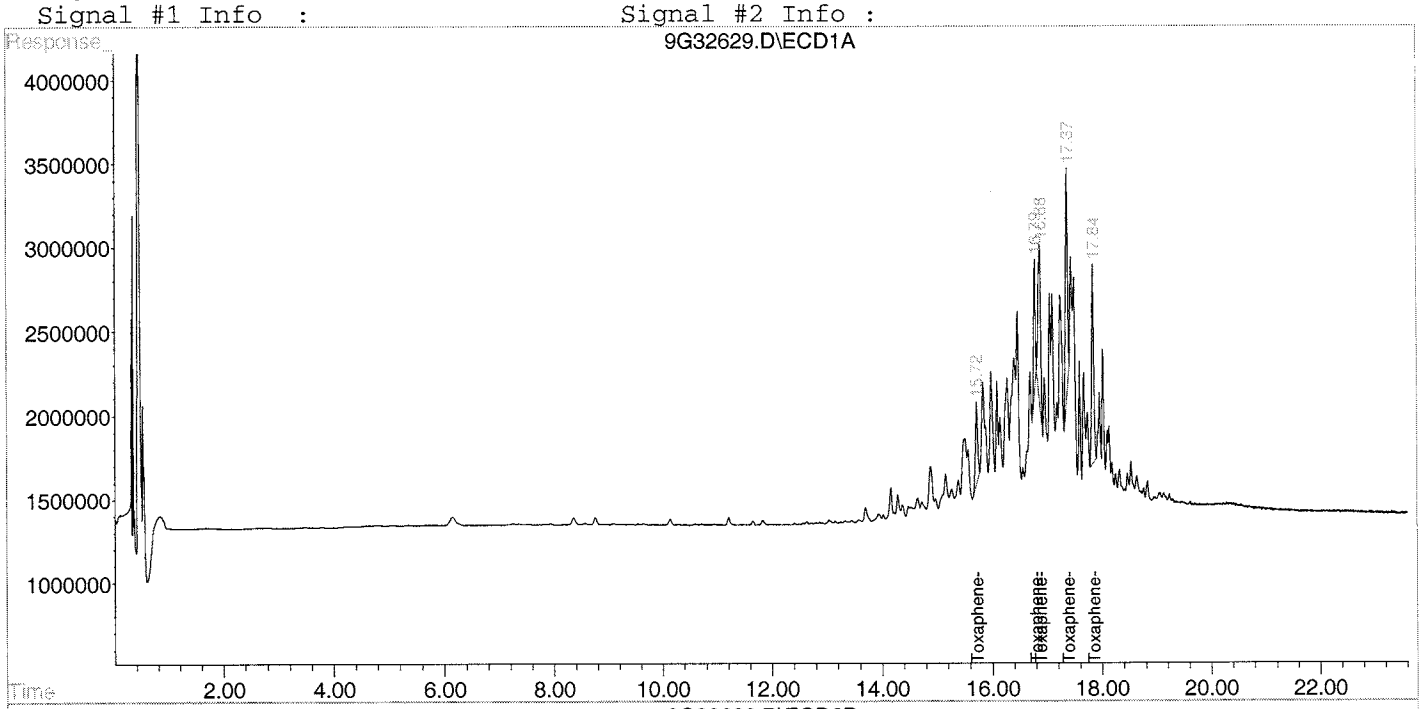
Quantitation Report (Not Reviewed)

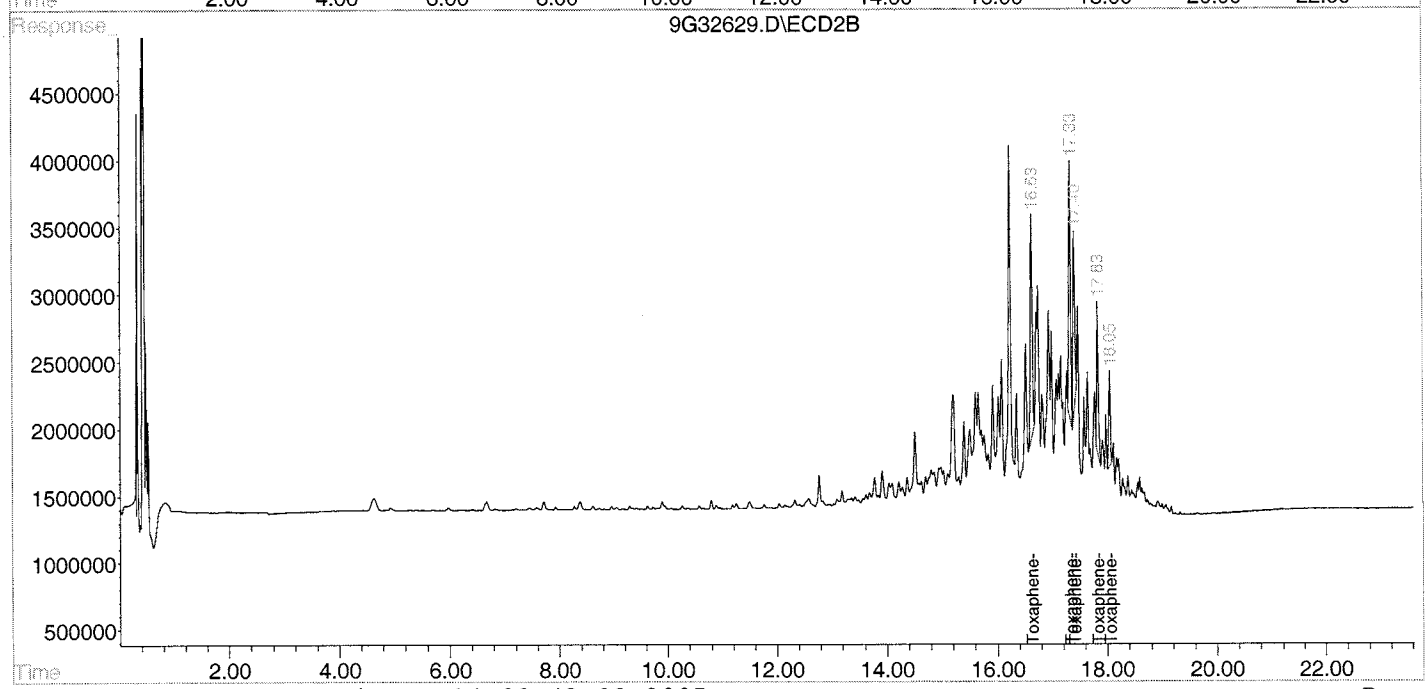
Data File : C:\HPCHEM\1\DATA\101305\9G32629.D\ECD1A.CH Vial: 6
Acq On : 13 Oct 2005 16:57 Operator: ECL
Sample : TOX ICAL 250 PPB Inst : HP9
Misc : 1,1 SOS75-14 Multiplr: 1.00
IntFile : .E

Data File : C:\HPCHEM\1\DATA\101305\9G32629.D\ECD2B.CH Vial: 6
Acq On : 13 Oct 2005 17:25 Operator: ECL
Sample : TOX ICAL 250 PPB Inst : HP9
Misc : 1,1 SOS75-14 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 14 9:41 2005 Quant Results File: TOX.RES

Quant Method : C:\HPCHEM\1\METHODS\TOX.M (Chemstation Integrator)
Title : CALIBRATION October 13, 2005
Last Update : Fri Oct 14 09:41:37 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8081.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\101305\9G32630.D\ECD1A.CH Vial: 7
Acq On : 13 Oct 2005 17:25 Operator: ECL
Sample : TOX ICAL 100 PPB Inst : HP9
Misc : 1,1 SOS75-14 Multiplr: 1.00
IntFile : .E

Data File : C:\HPCHEM\1\DATA\101305\9G32630.D\ECD2B.CH Vial: 7
Acq On : 13 Oct 2005 17:54 Operator: ECL
Sample : TOX ICAL 100 PPB Inst : HP9
Misc : 1,1 SOS75-14 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 14 9:42 2005 Quant Results File: TOX.RES

Quant Method : C:\HPCHEM\1\METHODS\TOX.M (Chemstation Integrator)
Title : CALIBRATION October 13, 2005
Last Update : Fri Oct 14 09:41:58 2005
Response via : Initial Calibration
DataAcq Meth : 8081.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	Target Compounds						
1)	L1 Toxaphene-1	15.71	16.62	5261204	14173784	100.479	92.944
2)	L1 Toxaphene-2	16.78	17.32	7270311	16060446	101.608	95.700
3)	L1 Toxaphene-3	16.87	17.39	11886641	10091145	97.977	86.856
4)	L1 Toxaphene-4	17.37	17.82	14054951	8528714	104.626	102.324
5)	L1 Toxaphene-5	17.84	18.04	12108992	4995592	102.228	82.557
	Sum Toxaphene-1			50582100	53849682	506.918	460.382
	Average Toxaphene-1					101.384	92.076

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

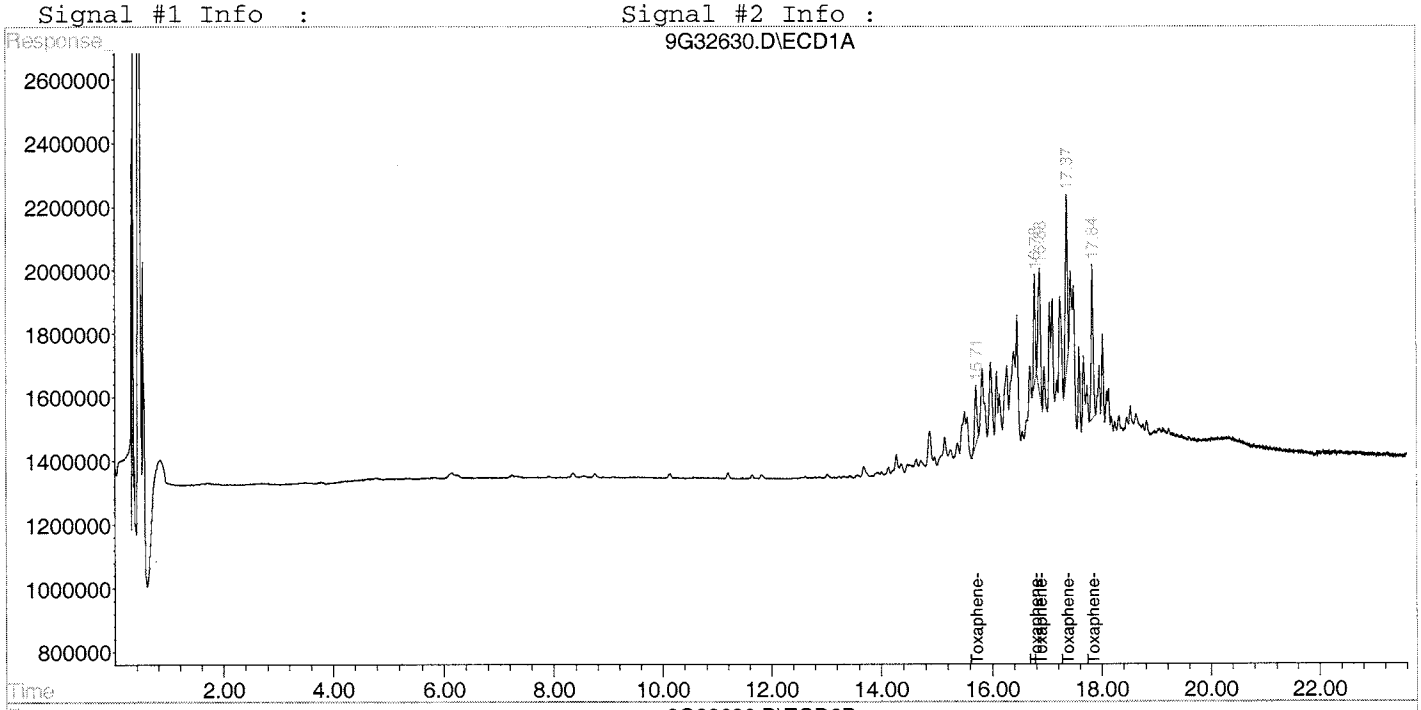
Quantitation Report (Not Reviewed)

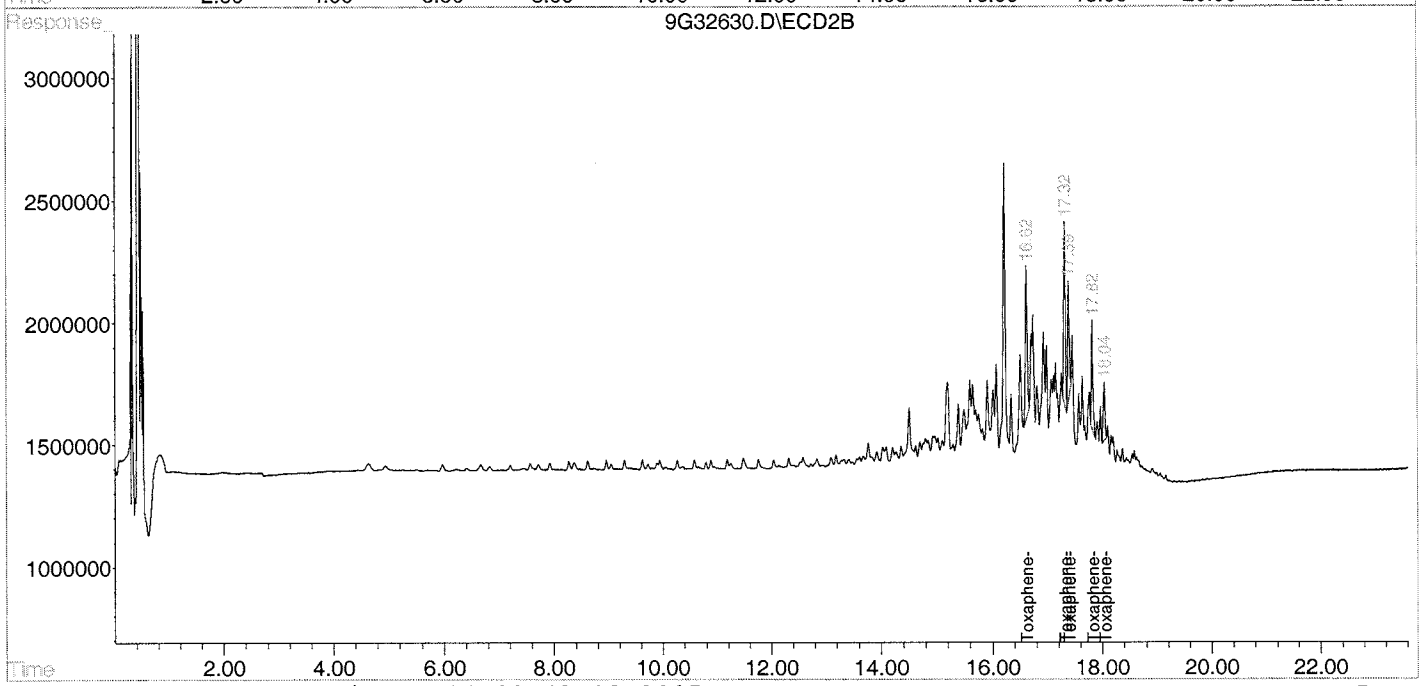
Data File : C:\HPCHEM\1\DATA\101305\9G32630.D\ECD1A.CH Vial: 7
Acq On : 13 Oct 2005 17:25 Operator: ECL
Sample : TOX ICAL 100 PPB Inst : HP9
Misc : 1,1 SOS75-14 Multiplr: 1.00
IntFile : .E

Data File : C:\HPCHEM\1\DATA\101305\9G32630.D\ECD2B.CH Vial: 7
Acq On : 13 Oct 2005 17:54 Operator: ECL
Sample : TOX ICAL 100 PPB Inst : HP9
Misc : 1,1 SOS75-14 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 14 9:42 2005 Quant Results File: TOX.RES

Quant Method : C:\HPCHEM\1\METHODS\TOX.M (Chemstation Integrator)
Title : CALIBRATION October 13, 2005
Last Update : Fri Oct 14 09:41:58 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8081.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\101305\9G32631.D\ECD1A.CH Vial: 8
Acq On : 13 Oct 2005 17:54 Operator: ECL
Sample : TOX ALT 500 PPB Inst : HP9
Misc : 1,1 SOS75-32 Multiplr: 1.00
IntFile : .E

Data File : C:\HPCHEM\1\DATA\101305\9G32631.D\ECD2B.CH Vial: 8
Acq On : 13 Oct 2005 18:22 Operator: ECL
Sample : TOX ALT 500 PPB Inst : HP9
Misc : 1,1 SOS75-32 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 14 9:42 2005 Quant Results File: TOX.RES

Quant Method : C:\HPCHEM\1\METHODS\TOX.M (Chemstation Integrator)
Title : CALIBRATION October 13, 2005
Last Update : Fri Oct 14 09:42:14 2005
Response via : Initial Calibration
DataAcq Meth : 8081.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
Target Compounds						
1) L1 Toxaphene-1	15.70	16.61	27877494	70710439	513.210	458.349
2) L1 Toxaphene-2	16.77	17.32	36939882	83994692	503.762	487.052
3) L1 Toxaphene-3	16.87	17.39	58895459	54572093	463.114	456.641
4) L1 Toxaphene-4	17.36	17.81	68358944	40105013	486.476	466.206
5) L1 Toxaphene-5	17.83	18.03	59651278	31151619	488.334	505.187
Sum Toxaphene-1			251.7E6	280.5E6	2454.896	2373.435
Average Toxaphene-1					490.979	474.687

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

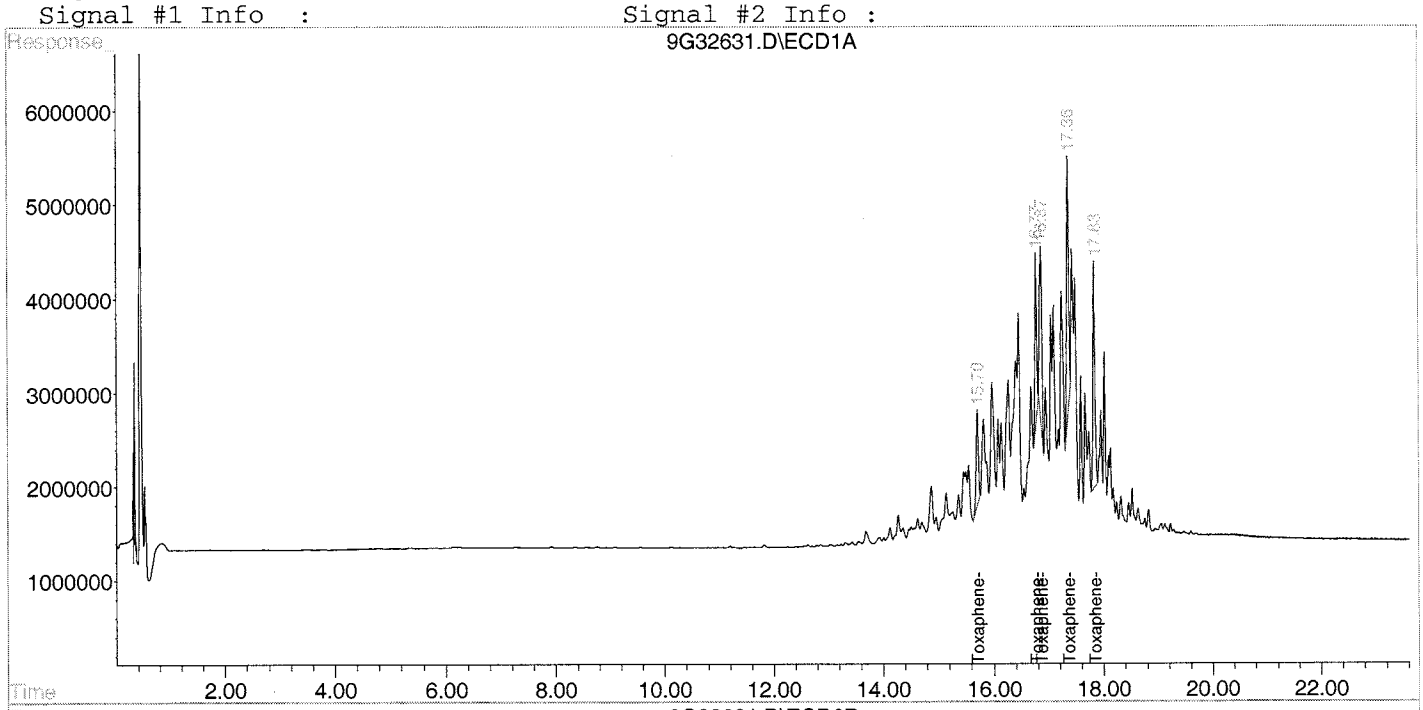
Quantitation Report (Not Reviewed)

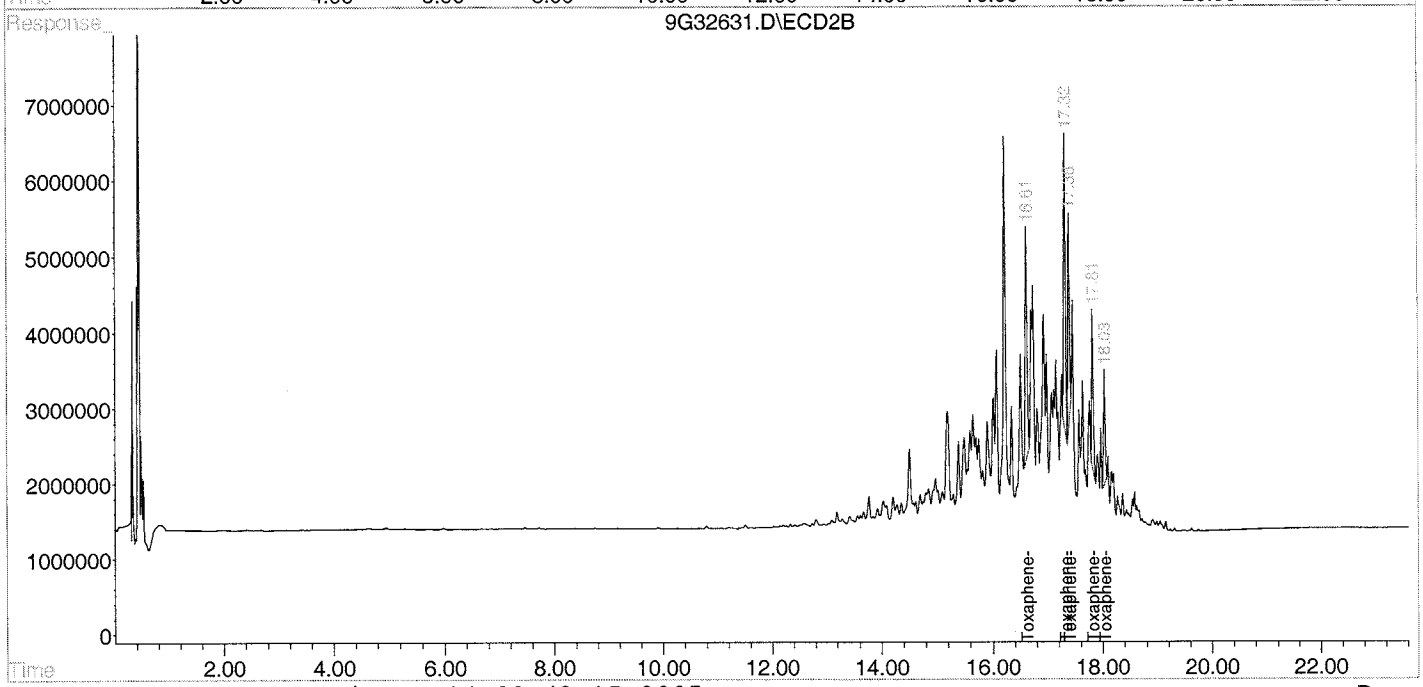
Data File : C:\HPCHEM\1\DATA\101305\9G32631.D\ECD1A.CH Vial: 8
Acq On : 13 Oct 2005 17:54 Operator: ECL
Sample : TOX ALT 500 PPB Inst : HP9
Misc : 1,1 SOS75-32 Multiplr: 1.00
IntFile : .E

Data File : C:\HPCHEM\1\DATA\101305\9G32631.D\ECD2B.CH Vial: 8
Acq On : 13 Oct 2005 18:22 Operator: ECL
Sample : TOX ALT 500 PPB Inst : HP9
Misc : 1,1 SOS75-32 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 14 9:42 2005 Quant Results File: TOX.RES

Quant Method : C:\HPCHEM\1\METHODS\TOX.M (Chemstation Integrator)
Title : CALIBRATION October 13, 2005
Last Update : Fri Oct 14 09:42:14 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8081.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\101305\9G32632.D\ECD1A.CH Vial: 9
Acq On : 13 Oct 2005 18:22 Operator: ECL
Sample : WG198574-01 PEST ICAL 200 PPB Inst : HP9
Misc : 1,1 SOS75-31 Multiplr: 1.00
IntFile : autoint1.e

Data File : C:\HPCHEM\1\DATA\101305\9G32632.D\ECD2B.CH Vial: 9
Acq On : 13 Oct 2005 18:50 Operator: ECL
Sample : WG198574-01 PEST ICAL 200 PPB Inst : HP9
Misc : 1,1 SOS75-31 Multiplr: 1.00
IntFile : autoint2.e
Quant Time: Oct 14 9:30 2005 Quant Results File: 8081.RES

Quant Method : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title : CALIBRATION October 13, 2005 @ 21:10
Last Update : Fri Oct 14 09:30:39 2005
Response via : Initial Calibration
DataAcq Meth : 8081.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.93	9.43	1637.4E6	1776.3E6	221.286	214.063
	Spiked Amount 20.000 Range 20 - 180 Recovery = 1106.43%#						1070.31%#
22) S	Decachlorobiphen	19.02	19.11	858.9E6	918.1E6	189.416	200.259
	Spiked Amount 20.000 Range 25 - 140 Recovery = 947.08%#						1001.30%#
	Target Compounds						
2)	alpha-BHC	11.19	10.80	2419.6E6	2636.2E6	254.139	244.772
3)	gamma-BHC	11.85	11.53	2177.1E6	2367.1E6	246.713	237.532
4)	beta-BHC	12.04	11.71	876.2E6	996.6E6	216.717	212.604
5)	Heptachlor	12.79	12.40	1813.2E6	2016.9E6	240.109	259.541
6)	delta-BHC	12.39	12.29	2145.4E6	2453.6E6	268.233	246.305
7)	Aldrin	13.36	13.01	1745.6E6	1910.3E6	226.401	227.913
8)	Heptachlor Epoxi	14.45	14.05	1619.7E6	1774.8E6	219.762	224.494
9)	gamma-Chlordane	14.67	14.40	1660.7E6	1867.4E6	227.267	233.414
10)	alpha-Chlordane	14.90	14.65	1616.1E6	1810.5E6	220.973	227.557
11)	Endosulfan I	15.14	14.75	1488.3E6	1604.4E6	219.244	219.516
12)	4,4'-DDE	15.03	14.96	1559.2E6	1760.5E6	244.900	234.326
13)	Dieldrin	15.55	15.23	1609.6E6	1788.6E6	232.214	235.703
14)	Endrin	15.94	15.75	1186.0E6	1406.4E6	226.198	229.347
15)	4,4'-DDD	16.03	15.95	1233.8E6	1429.5E6	250.272	240.968
16)	Endosulfan II	16.29	16.10	1292.0E6	1471.0E6	238.001	224.157
17)	4,4'-DDT	16.46	16.43	1243.6E6	1319.4E6	240.457	253.089
18)	Endrin Aldehyde	16.90	16.61	1031.1E6	1145.2E6	225.943	207.400
19)	Endosulfan Sulfa	17.49	17.00	969.9E6	1272.6E6	215.037	227.285
20)	Methoxychlor	17.15	17.38	586.3E6	624.6E6	260.992	232.595
21)	Endrin Ketone	17.86	17.69	1354.4E6	1526.7E6	234.442	226.536

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
9G32632.D 8081.M Fri Oct 14 09:37:41 2005 Page 1

Quantitation Report (Not Reviewed)

```
Data File : C:\HPCHEM\1\DATA\101305\9G32632.D\ECD1A.CH   Vial: 9
Acq On    : 13 Oct 2005  18:22                          Operator: ECL
Sample    : WG198574-01 PEST ICAL 200 PPB               Inst    : HP9
Misc      : 1,1 SOS75-31                                Multiplr: 1.00
IntFile   : autoint1.e

Data File : C:\HPCHEM\1\DATA\101305\9G32632.D\ECD2B.CH   Vial: 9
Acq On    : 13 Oct 2005  18:50                          Operator: ECL
Sample    : WG198574-01 PEST ICAL 200 PPB               Inst    : HP9
Misc      : 1,1 SOS75-31                                Multiplr: 1.00
IntFile   : autoint2.e
Quant Time: Oct 14  9:30 2005  Quant Results File: 8081.RES

Quant Method : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title        : CALIBRATION October 13, 2005 @ 21:10
Last Update  : Fri Oct 14 09:30:39 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8081.M

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
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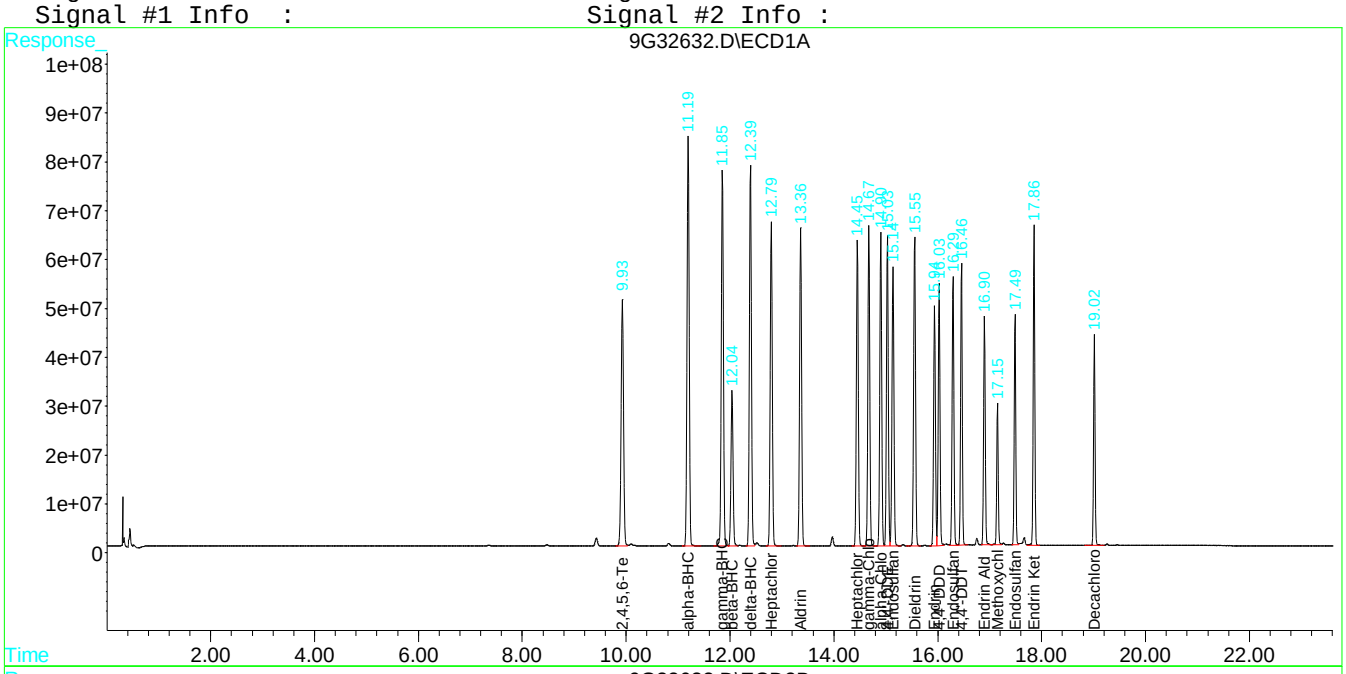

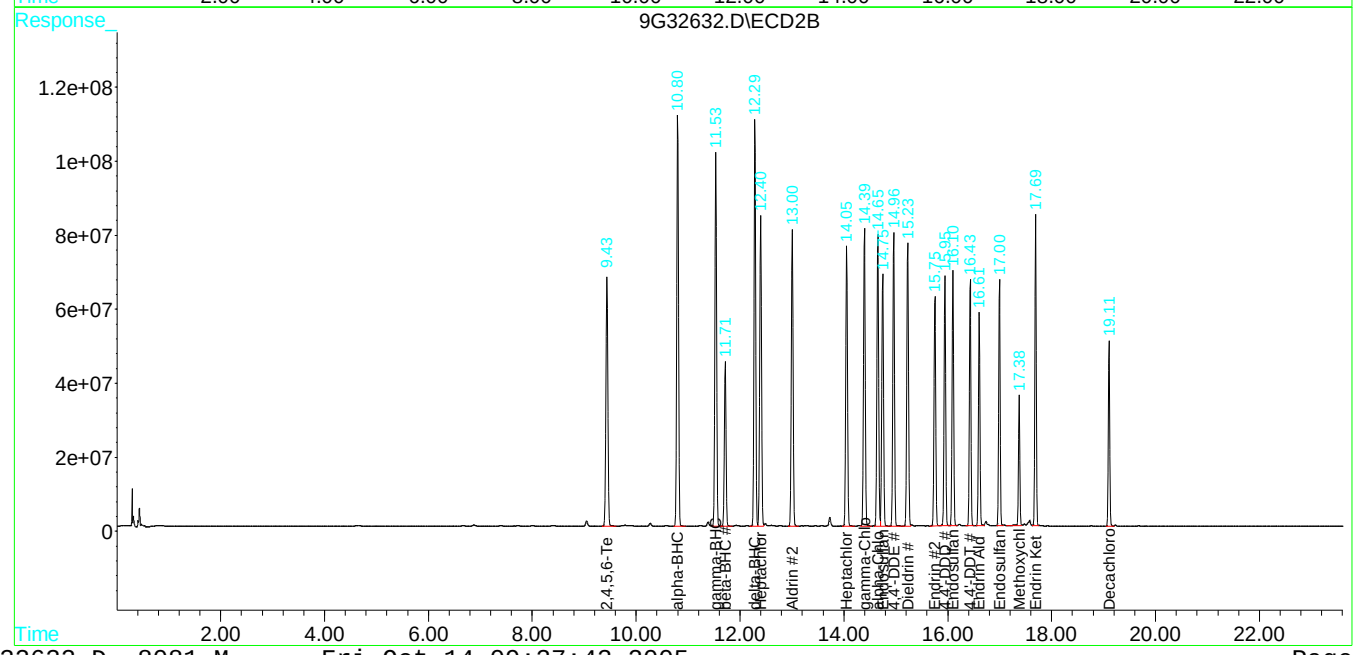

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\101305\9G32633.D\ECD1A.CH Vial: 10
Acq On : 13 Oct 2005 18:50 Operator: ECL
Sample : WG198574-02 PEST ICAL 100 PPB Inst : HP9
Misc : 1,1 SOS75-31 Multiplr: 1.00
IntFile : autoint1.e

Data File : C:\HPCHEM\1\DATA\101305\9G32633.D\ECD2B.CH Vial: 10
Acq On : 13 Oct 2005 19:18 Operator: ECL
Sample : WG198574-02 PEST ICAL 100 PPB Inst : HP9
Misc : 1,1 SOS75-31 Multiplr: 1.00
IntFile : autoint2.e
Quant Time: Oct 14 9:31 2005 Quant Results File: 8081.RES

Quant Method : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title : CALIBRATION October 13, 2005 @ 21:10
Last Update : Fri Oct 14 09:31:01 2005
Response via : Initial Calibration
DataAcq Meth : 8081.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.93	9.44	797.8E6	895.4E6	107.109	107.040
	Spiked Amount 20.000 Range 20 - 180 Recovery =					535.54%#	535.20%#
22) S	Decachlorobiphen	19.02	19.12	428.5E6	465.3E6	94.448	100.438
	Spiked Amount 20.000 Range 25 - 140 Recovery =					472.24%#	502.19%#
	Target Compounds						
2)	alpha-BHC	11.20	10.80	1165.9E6	1326.4E6	121.296	121.656
3)	gamma-BHC	11.86	11.54	1049.1E6	1195.5E6	117.864	118.336
4)	beta-BHC	12.05	11.72	417.0E6	495.6E6	102.868	104.629
5)	Heptachlor	12.80	12.40	884.9E6	1034.4E6	115.667	127.178
6)	delta-BHC	12.40	12.29	1010.4E6	1228.2E6	124.565	121.576
7)	Aldrin	13.37	13.01	853.9E6	975.2E6	110.666	115.331
8)	Heptachlor Epoxi	14.46	14.06	793.1E6	907.8E6	107.480	113.601
9)	gamma-Chlordane	14.68	14.41	798.1E6	936.9E6	108.943	115.832
10)	alpha-Chlordane	14.91	14.66	779.5E6	912.5E6	106.360	113.478
11)	Endosulfan I	15.15	14.76	725.6E6	830.5E6	106.774	112.469
12)	4,4'-DDE	15.04	14.97	745.5E6	888.4E6	117.107	117.171
13)	Dieldrin	15.56	15.24	775.1E6	904.2E6	111.647	117.680
14)	Endrin	15.95	15.77	562.0E6	714.1E6	107.599	114.861
15)	4,4'-DDD	16.04	15.96	588.9E6	720.4E6	118.396	118.771
16)	Endosulfan II	16.30	16.11	624.7E6	743.9E6	113.522	112.249
17)	4,4'-DDT	16.47	16.44	600.4E6	654.0E6	114.927	122.597
18)	Endrin Aldehyde	16.91	16.62	494.8E6	578.8E6	107.296	103.721
19)	Endosulfan Sulfa	17.50	17.01	452.7E6	636.5E6	99.133	112.525
20)	Methoxychlor	17.16	17.39	281.4E6	317.8E6	121.967	114.639
21)	Endrin Ketone	17.86	17.70	657.8E6	780.2E6	111.989	114.140

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

```
Data File : C:\HPCHEM\1\DATA\101305\9G32633.D\ECD1A.CH   Vial: 10
Acq On    : 13 Oct 2005  18:50                          Operator: ECL
Sample    : WG198574-02 PEST ICAL 100 PPB               Inst    : HP9
Misc      : 1,1 SOS75-31                                Multiplr: 1.00
IntFile   : autoint1.e

Data File : C:\HPCHEM\1\DATA\101305\9G32633.D\ECD2B.CH   Vial: 10
Acq On    : 13 Oct 2005  19:18                          Operator: ECL
Sample    : WG198574-02 PEST ICAL 100 PPB               Inst    : HP9
Misc      : 1,1 SOS75-31                                Multiplr: 1.00
IntFile   : autoint2.e
Quant Time: Oct 14  9:31 2005  Quant Results File: 8081.RES

Quant Method : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title        : CALIBRATION October 13, 2005 @ 21:10
Last Update  : Fri Oct 14 09:31:01 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8081.M

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
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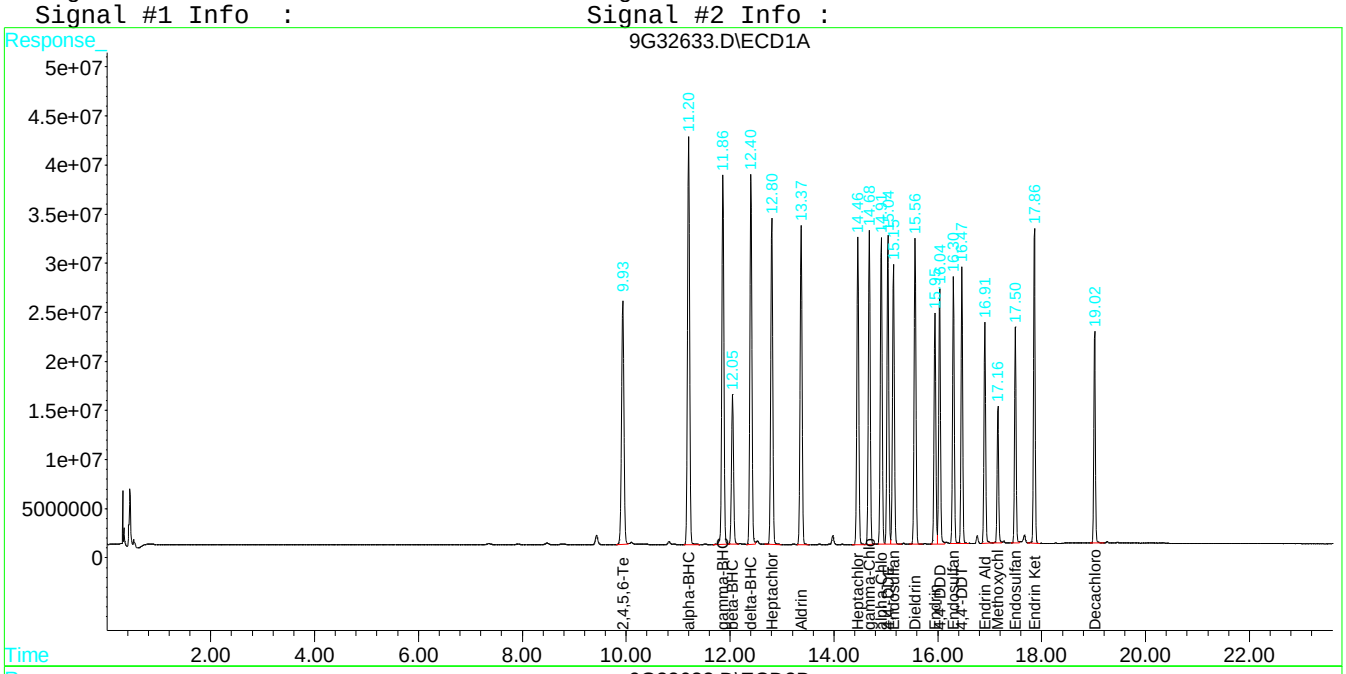

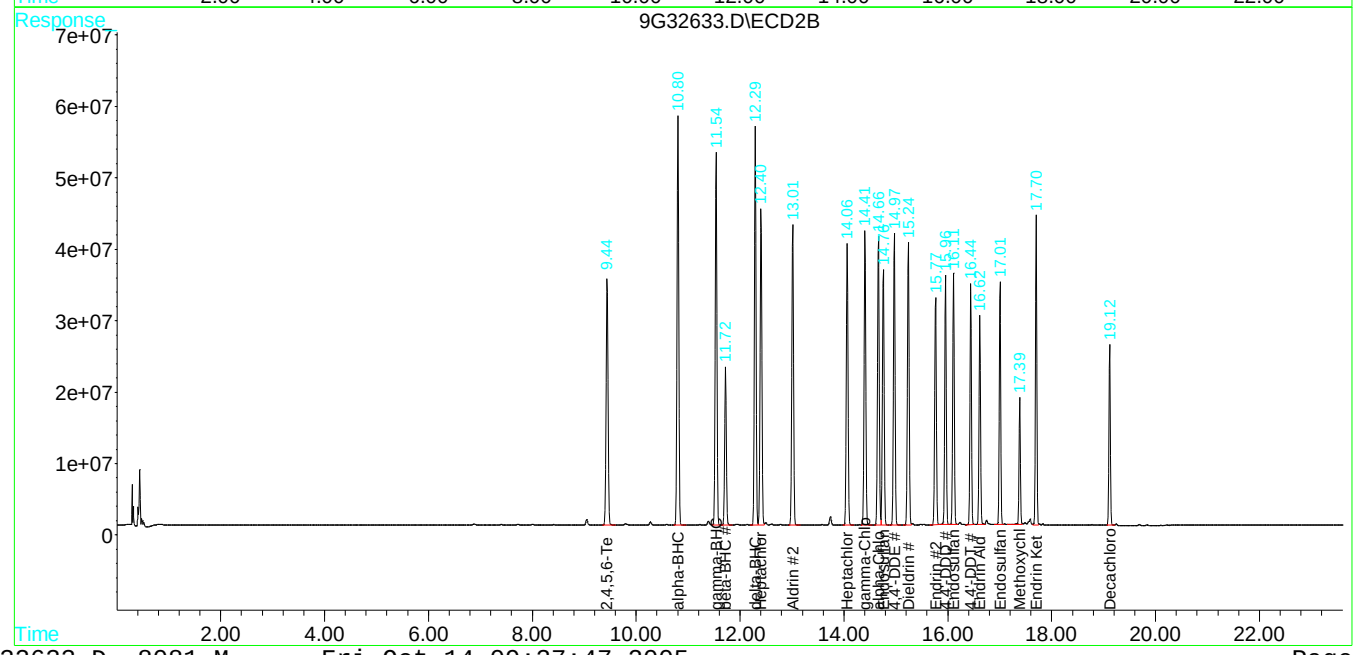

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\101305\9G32634.D\ECD1A.CH Vial: 11
Acq On : 13 Oct 2005 19:18 Operator: ECL
Sample : WG198574-03 PEST ICAL 50 PPB Inst : HP9
Misc : 1,1 SOS75-31 Multiplr: 1.00
IntFile : autoint1.e

Data File : C:\HPCHEM\1\DATA\101305\9G32634.D\ECD2B.CH Vial: 11
Acq On : 13 Oct 2005 19:46 Operator: ECL
Sample : WG198574-03 PEST ICAL 50 PPB Inst : HP9
Misc : 1,1 SOS75-31 Multiplr: 1.00
IntFile : autoint2.e
Quant Time: Oct 14 9:31 2005 Quant Results File: 8081.RES

Quant Method : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title : CALIBRATION October 13, 2005 @ 21:10
Last Update : Fri Oct 14 09:31:23 2005
Response via : Initial Calibration
DataAcq Meth : 8081.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.94	9.44	414.6E6	453.0E6	54.800	53.504
	Spiked Amount 20.000 Range 20 - 180 Recovery =					274.00%#	267.52%#
22) S	Decachlorobiphen	19.04	19.12	235.5E6	244.5E6	51.284	51.777
	Spiked Amount 20.000 Range 25 - 140 Recovery =					256.42%#	258.88%#
	Target Compounds						
2)	alpha-BHC	11.21	10.80	594.3E6	655.5E6	60.516	59.143
3)	gamma-BHC	11.87	11.53	542.3E6	597.7E6	59.593	58.063
4)	beta-BHC	12.06	11.72	224.9E6	253.2E6	54.512	52.630
5)	Heptachlor	12.81	12.40	465.6E6	525.4E6	59.175	61.451
6)	delta-BHC	12.41	12.29	527.3E6	610.2E6	62.836	59.259
7)	Aldrin	13.38	13.01	449.5E6	494.4E6	57.365	57.559
8)	Heptachlor Epoxi	14.48	14.06	425.3E6	464.0E6	56.639	56.895
9)	gamma-Chlordane	14.70	14.40	424.2E6	473.3E6	56.809	57.385
10)	alpha-Chlordane	14.93	14.66	417.5E6	463.3E6	55.909	56.524
11)	Endosulfan I	15.16	14.75	389.3E6	404.8E6	56.250	54.188
12)	4,4'-DDE	15.05	14.97	395.2E6	448.5E6	60.813	58.109
13)	Dieldrin	15.58	15.24	413.8E6	456.3E6	58.366	58.094
14)	Endrin	15.96	15.76	301.0E6	354.9E6	56.767	55.985
15)	4,4'-DDD	16.05	15.95	308.5E6	368.1E6	60.444	58.791
16)	Endosulfan II	16.32	16.11	331.2E6	381.9E6	58.445	56.479
17)	4,4'-DDT	16.48	16.44	319.0E6	327.8E6	59.326	59.495
18)	Endrin Aldehyde	16.92	16.62	262.8E6	292.7E6	55.794	51.640
19)	Endosulfan Sulfa	17.51	17.00	238.2E6	324.6E6	52.801	56.230
20)	Methoxychlor	17.17	17.38	152.9E6	165.4E6	63.278	57.452
21)	Endrin Ketone	17.88	17.70	350.6E6	401.8E6	57.893	57.362

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
9G32634.D 8081.M Fri Oct 14 09:37:49 2005 Page 1

Quantitation Report (Not Reviewed)

```
Data File : C:\HPCHEM\1\DATA\101305\9G32634.D\ECD1A.CH   Vial: 11
Acq On    : 13 Oct 2005  19:18                          Operator: ECL
Sample    : WG198574-03 PEST ICAL 50 PPB                Inst    : HP9
Misc      : 1,1 SOS75-31                                Multiplr: 1.00
IntFile   : autoint1.e

Data File : C:\HPCHEM\1\DATA\101305\9G32634.D\ECD2B.CH   Vial: 11
Acq On    : 13 Oct 2005  19:46                          Operator: ECL
Sample    : WG198574-03 PEST ICAL 50 PPB                Inst    : HP9
Misc      : 1,1 SOS75-31                                Multiplr: 1.00
IntFile   : autoint2.e
Quant Time: Oct 14  9:31 2005  Quant Results File: 8081.RES

Quant Method : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title        : CALIBRATION October 13, 2005 @ 21:10
Last Update  : Fri Oct 14 09:31:23 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8081.M

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
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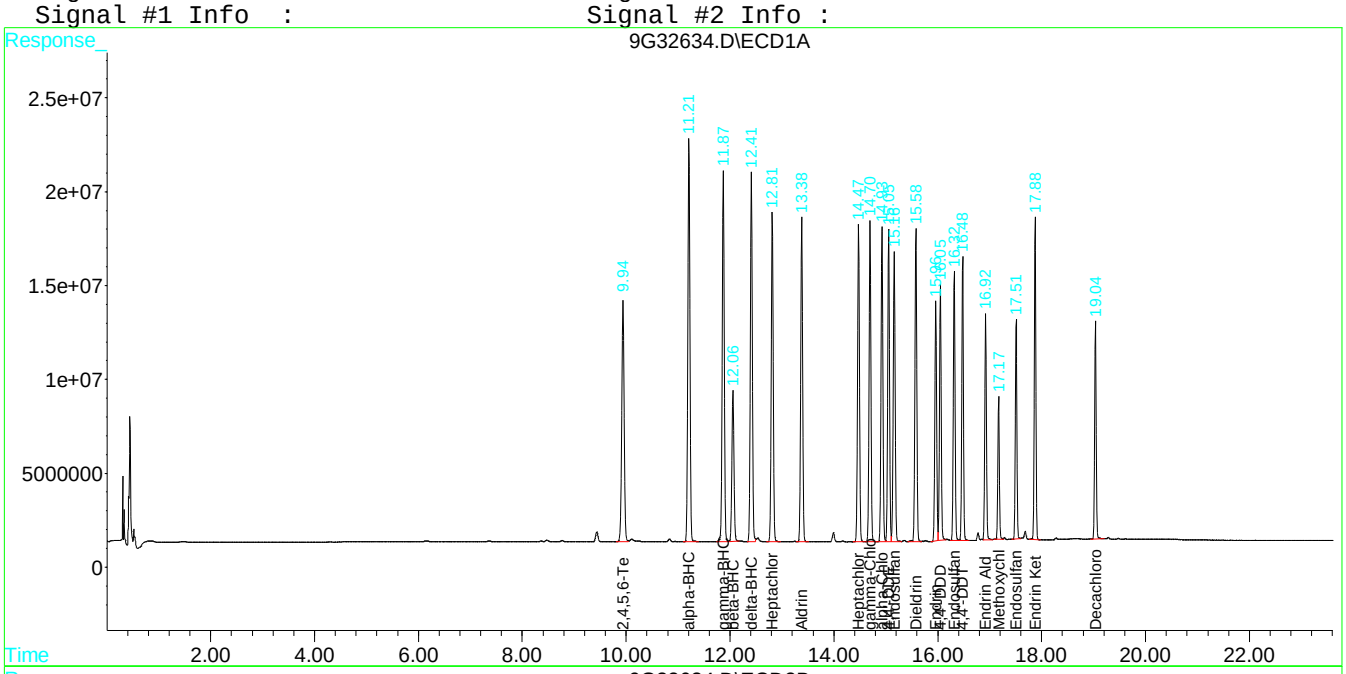
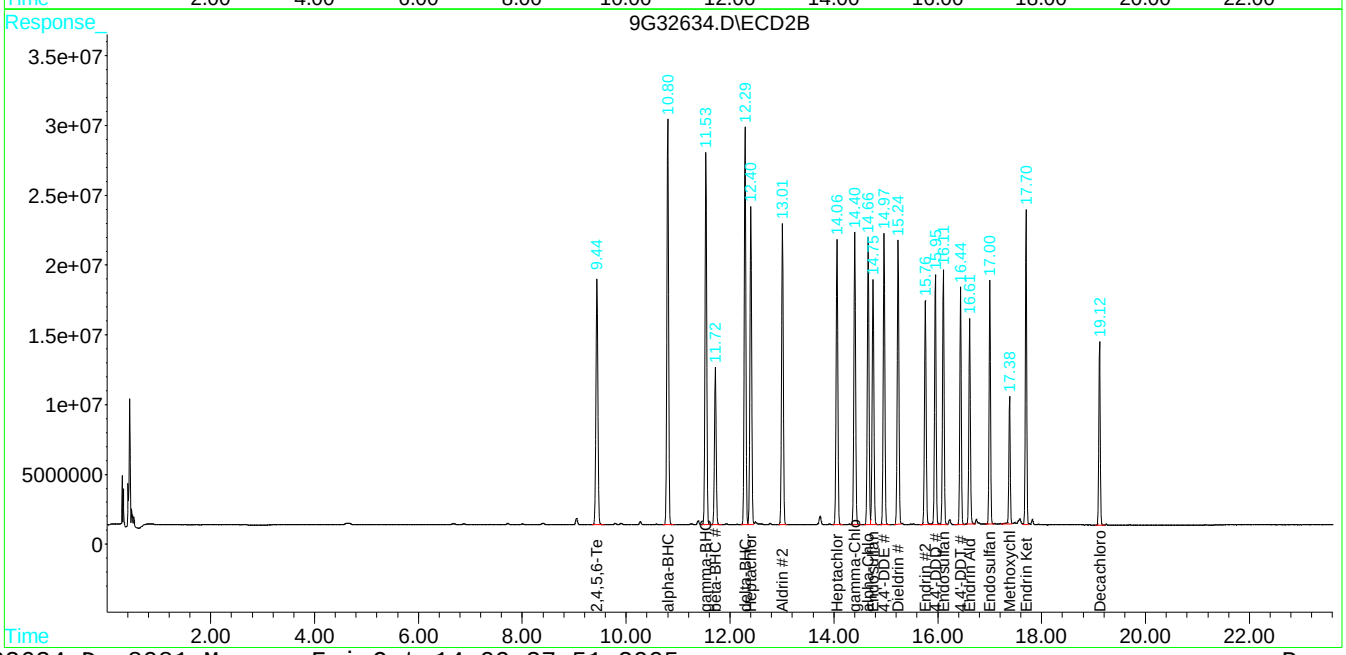




Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\101305\9G32635.D\ECD1A.CH Vial: 12
Acq On : 13 Oct 2005 19:46 Operator: ECL
Sample : WG198574-04 PEST ICAL 20 PPB Inst : HP9
Misc : 1,1 SOS75-31 Multiplr: 1.00
IntFile : autoint1.e

Data File : C:\HPCHEM\1\DATA\101305\9G32635.D\ECD2B.CH Vial: 12
Acq On : 13 Oct 2005 20:14 Operator: ECL
Sample : WG198574-04 PEST ICAL 20 PPB Inst : HP9
Misc : 1,1 SOS75-31 Multiplr: 1.00
IntFile : autoint2.e
Quant Time: Oct 14 9:31 2005 Quant Results File: 8081.RES

Quant Method : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title : CALIBRATION October 13, 2005 @ 21:10
Last Update : Fri Oct 14 09:31:45 2005
Response via : Initial Calibration
DataAcq Meth : 8081.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.94	9.43	152.8E6	173.4E6	20.065	20.269
	Spiked Amount 20.000 Range 20 - 180 Recovery =					100.33%	101.35%
22) S	Decachlorobiphen	19.04	19.11	92907853	98623198	20.111	20.508
	Spiked Amount 20.000 Range 25 - 140 Recovery =					100.55%	102.54%
	Target Compounds						
2)	alpha-BHC	11.21	10.79	202.6E6	232.0E6	20.448	20.694
3)	gamma-BHC	11.87	11.53	189.0E6	218.5E6	20.569	20.896
4)	beta-BHC	12.05	11.71	84013919	98748800	20.287	20.244
5)	Heptachlor	12.81	12.39	165.1E6	193.8E6	20.677	21.731
6)	delta-BHC	12.41	12.28	172.3E6	218.7E6	20.246	20.902
7)	Aldrin	13.38	13.00	157.7E6	181.4E6	20.077	20.833
8)	Heptachlor Epoxi	14.47	14.05	152.7E6	174.4E6	20.238	21.009
9)	gamma-Chlordane	14.69	14.39	148.9E6	173.2E6	19.868	20.659
10)	alpha-Chlordane	14.92	14.65	148.1E6	172.0E6	19.767	20.640
11)	Endosulfan I	15.16	14.75	138.9E6	156.1E6	20.016	20.588
12)	4,4'-DDE	15.05	14.96	132.5E6	160.7E6	20.286	20.554
13)	Dieldrin	15.58	15.23	143.4E6	165.7E6	20.122	20.749
14)	Endrin	15.96	15.75	105.1E6	132.8E6	19.822	20.582
15)	4,4'-DDD	16.05	15.95	105.5E6	134.5E6	20.541	20.942
16)	Endosulfan II	16.32	16.10	118.1E6	142.4E6	20.538	20.688
17)	4,4'-DDT	16.48	16.43	109.7E6	116.2E6	20.216	20.631
18)	Endrin Aldehyde	16.92	16.61	97520728	115.7E6	20.413	20.054
19)	Endosulfan Sulfa	17.51	17.00	83617452	121.8E6	20.125	20.712
20)	Methoxychlor	17.17	17.38	57159282	63125124	22.668	21.259
21)	Endrin Ketone	17.87	17.70	128.0E6	150.1E6	20.722	21.004

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

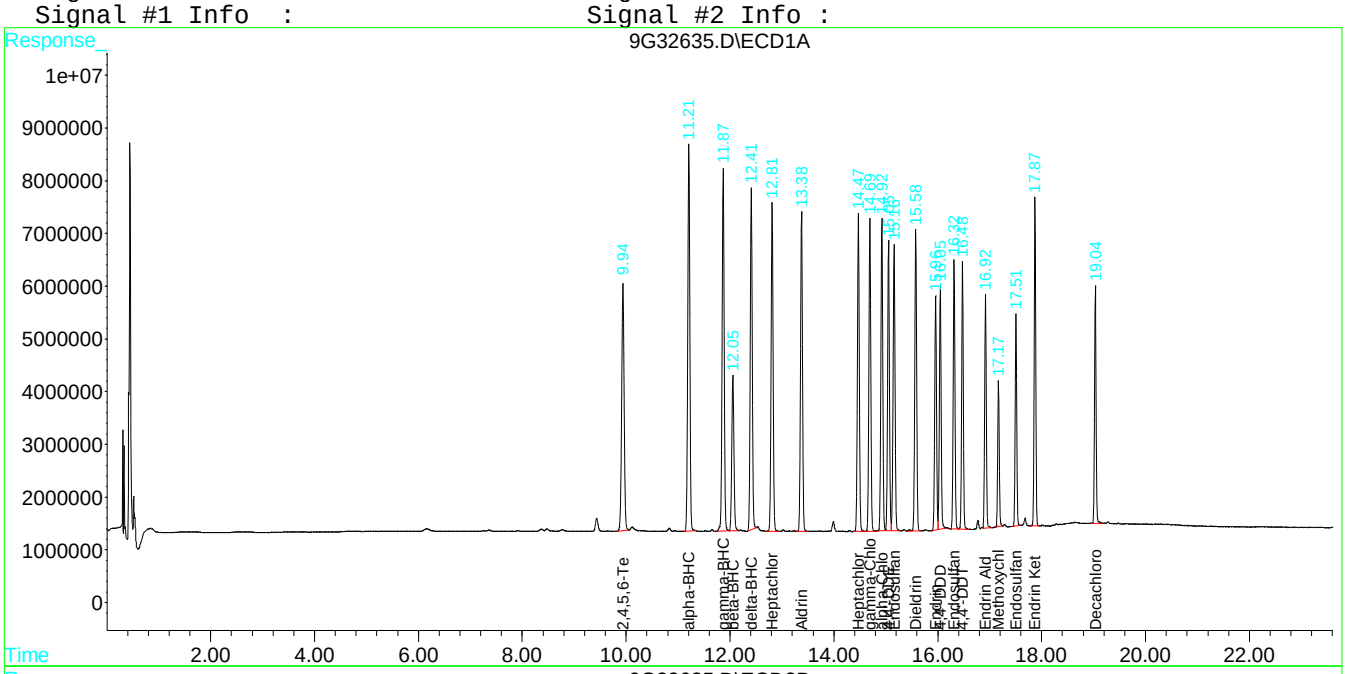
Quantitation Report (Not Reviewed)

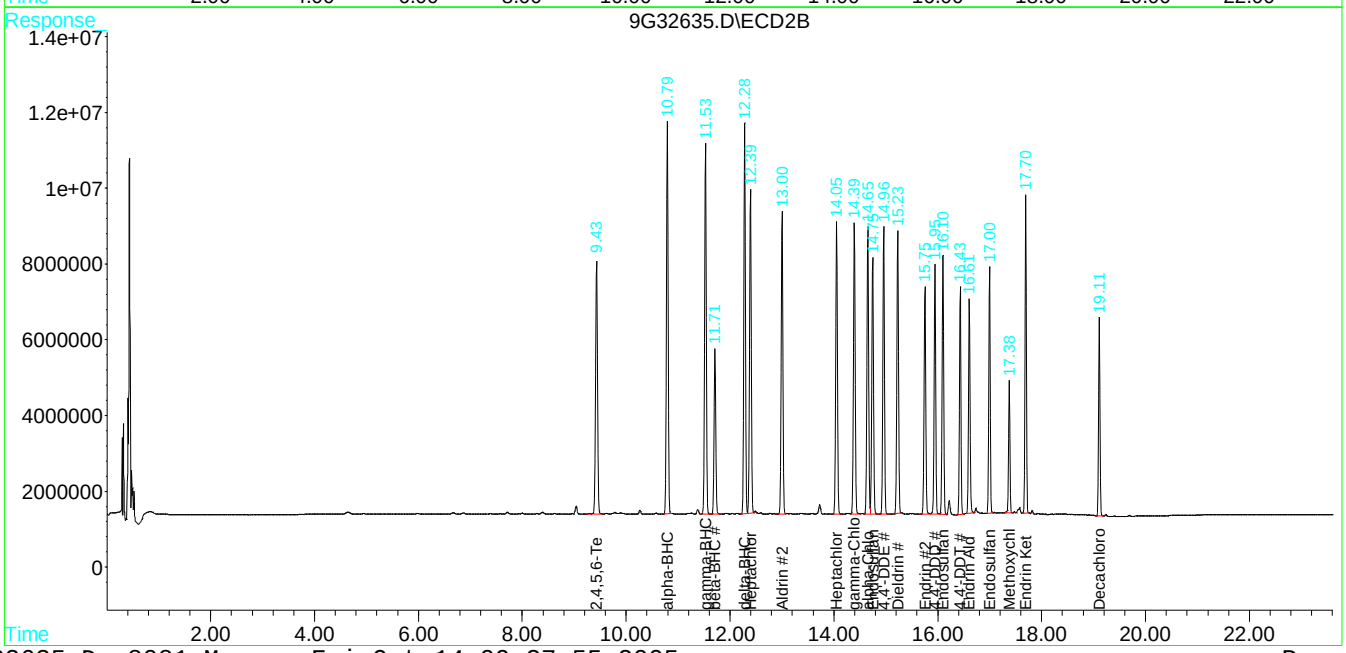
```
Data File : C:\HPCHEM\1\DATA\101305\9G32635.D\ECD1A.CH   Vial: 12
Acq On    : 13 Oct 2005  19:46                          Operator: ECL
Sample    : WG198574-04 PEST ICAL 20 PPB                Inst    : HP9
Misc      : 1,1 SOS75-31                                Multiplr: 1.00
IntFile   : autoint1.e

Data File : C:\HPCHEM\1\DATA\101305\9G32635.D\ECD2B.CH   Vial: 12
Acq On    : 13 Oct 2005  20:14                          Operator: ECL
Sample    : WG198574-04 PEST ICAL 20 PPB                Inst    : HP9
Misc      : 1,1 SOS75-31                                Multiplr: 1.00
IntFile   : autoint2.e
Quant Time: Oct 14  9:31 2005  Quant Results File: 8081.RES

Quant Method : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title        : CALIBRATION October 13, 2005 @ 21:10
Last Update  : Fri Oct 14 09:31:45 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8081.M

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```





Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\101305\9G32636.D\ECD1A.CH Vial: 13
Acq On : 13 Oct 2005 20:14 Operator: ECL
Sample : WG198574-05 PEST ICAL 10 PPB Inst : HP9
Misc : 1,1 SOS75-31 Multiplr: 1.00
IntFile : autoint1.e

Data File : C:\HPCHEM\1\DATA\101305\9G32636.D\ECD2B.CH Vial: 13
Acq On : 13 Oct 2005 20:42 Operator: ECL
Sample : WG198574-05 PEST ICAL 10 PPB Inst : HP9
Misc : 1,1 SOS75-31 Multiplr: 1.00
IntFile : autoint2.e
Quant Time: Oct 14 9:32 2005 Quant Results File: 8081.RES

Quant Method : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title : CALIBRATION October 13, 2005 @ 21:10
Last Update : Fri Oct 14 09:32:07 2005
Response via : Initial Calibration
DataAcq Meth : 8081.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.92	9.42	76738862	85764136	9.954	9.932
	Spiked Amount 20.000 Range 20 - 180 Recovery =					49.77%	49.66%
22) S	Decachlorobiphen	19.03	19.10	49684688	52602132	10.588	10.713
	Spiked Amount 20.000 Range 25 - 140 Recovery =					52.94%	53.56%
	Target Compounds						
2)	alpha-BHC	11.19	10.78	95112717	108.8E6	9.454	9.582
3)	gamma-BHC	11.86	11.52	90895338	104.0E6	9.729	9.787
4)	beta-BHC	12.04	11.70	43803117	51281744	10.425	10.340
5)	Heptachlor	12.80	12.38	81733025	93681351	9.999	10.135
6)	delta-BHC	12.40	12.27	84032506	102.9E6	9.554	9.684
7)	Aldrin	13.37	12.99	77337075	86717147	9.729	9.832
8)	Heptachlor Epoxi	14.46	14.04	77035846	86315991	10.062	10.188
9)	gamma-Chlordane	14.68	14.38	74522670	84280040	9.811	9.890
10)	alpha-Chlordane	14.91	14.64	74866300	85151524	9.853	10.041
11)	Endosulfan I	15.15	14.73	70382902	78651294	10.011	10.189
12)	4,4'-DDE	15.04	14.95	63170986	76960708	9.529	9.713
13)	Dieldrin	15.57	15.21	70975011	80186124	9.802	9.880
14)	Endrin	15.95	15.74	51412280	65135812	9.611	9.942
15)	4,4'-DDD	16.04	15.93	50859737	65958035	9.725	10.024
16)	Endosulfan II	16.31	16.09	59806092	71281096	10.147	10.152
17)	4,4'-DDT	16.47	16.42	54065464	55575786	9.758	9.687
18)	Endrin Aldehyde	16.91	16.60	50575841	59197372	10.356	10.103
19)	Endosulfan Sulfa	17.50	16.99	41971068	61529056	10.753	10.249
20)	Methoxychlor	17.16	17.37	29076879	32556825	10.970	10.660
21)	Endrin Ketone	17.87	17.68	65744638	76428308	10.347	10.449

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
9G32636.D 8081.M Fri Oct 14 09:37:57 2005 Page 1

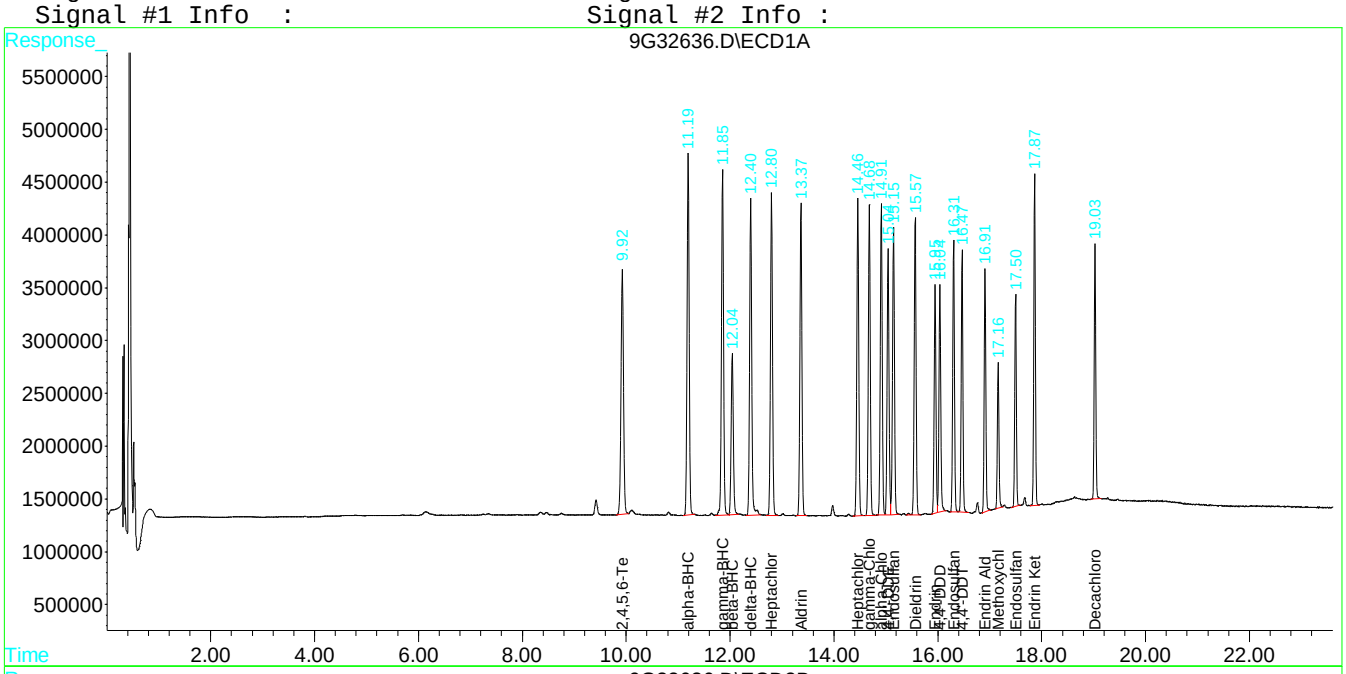
Quantitation Report (Not Reviewed)

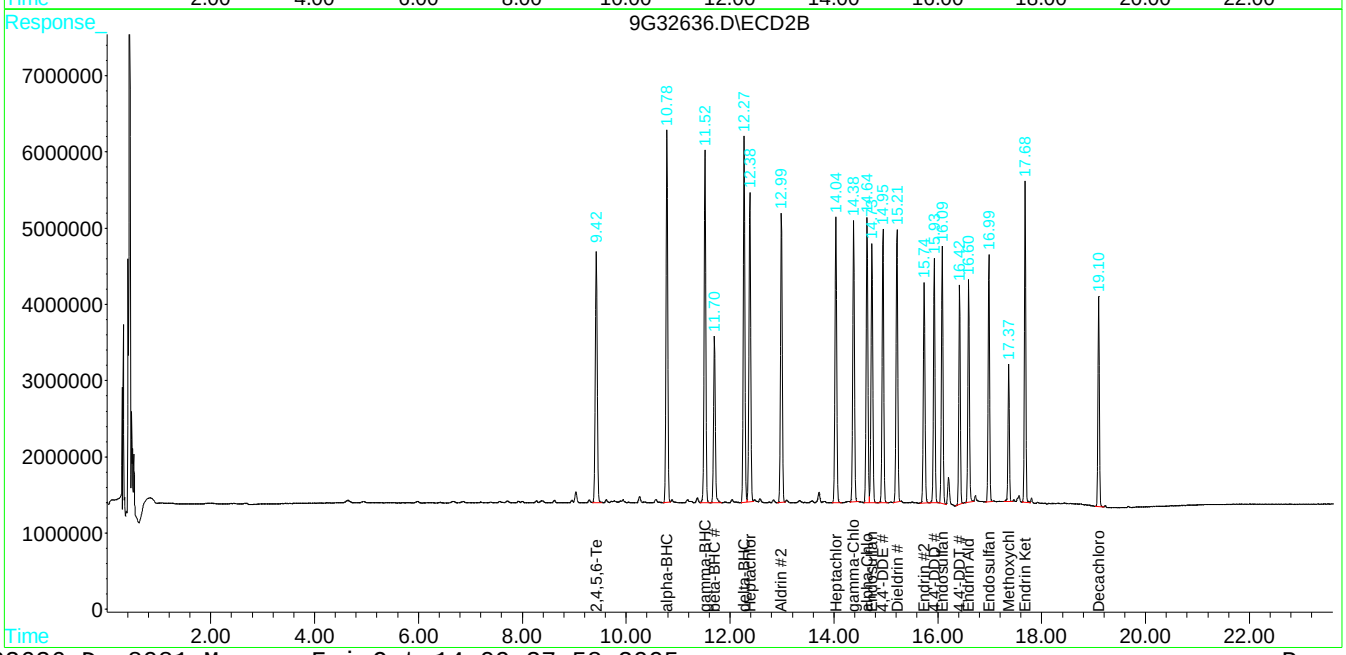
```
Data File : C:\HPCHEM\1\DATA\101305\9G32636.D\ECD1A.CH   Vial: 13
Acq On    : 13 Oct 2005  20:14                          Operator: ECL
Sample    : WG198574-05 PEST ICAL 10 PPB                Inst    : HP9
Misc      : 1,1 SOS75-31                                Multiplr: 1.00
IntFile   : autoint1.e

Data File : C:\HPCHEM\1\DATA\101305\9G32636.D\ECD2B.CH   Vial: 13
Acq On    : 13 Oct 2005  20:42                          Operator: ECL
Sample    : WG198574-05 PEST ICAL 10 PPB                Inst    : HP9
Misc      : 1,1 SOS75-31                                Multiplr: 1.00
IntFile   : autoint2.e
Quant Time: Oct 14  9:32 2005  Quant Results File: 8081.RES

Quant Method : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title        : CALIBRATION October 13, 2005 @ 21:10
Last Update  : Fri Oct 14 09:32:07 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8081.M

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```





Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\101305\9G32637.D\ECD1A.CH Vial: 14
Acq On : 13 Oct 2005 20:42 Operator: ECL
Sample : WG198574-06 PEST ICAL 4 PPB Inst : HP9
Misc : 1,1 SOS75-31 Multiplr: 1.00
IntFile : autoint1.e

Data File : C:\HPCHEM\1\DATA\101305\9G32637.D\ECD2B.CH Vial: 14
Acq On : 13 Oct 2005 21:10 Operator: ECL
Sample : WG198574-06 PEST ICAL 4 PPB Inst : HP9
Misc : 1,1 SOS75-31 Multiplr: 1.00
IntFile : autoint2.e
Quant Time: Oct 14 9:32 2005 Quant Results File: 8081.RES

Quant Method : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title : CALIBRATION October 13, 2005 @ 21:10
Last Update : Fri Oct 14 09:32:33 2005
Response via : Initial Calibration
DataAcq Meth : 8081.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.92	9.44	29794446	34966184	3.838	4.001
	Spiked Amount 20.000 Range 20 - 180 Recovery =					19.19%#	20.00%
22) S	Decachlorobiphen	19.01	19.11	20481497	22764256	4.302	4.522
	Spiked Amount 20.000 Range 25 - 140 Recovery =					21.51%#	22.61%#
	Target Compounds						
2)	alpha-BHC	11.18	10.80	33767735	40029311	3.331	3.482
3)	gamma-BHC	11.84	11.53	33097401	39490536	3.514	3.664
4)	beta-BHC	12.03	11.71	17155673	21249400	4.043	4.217
5)	Heptachlor	12.78	12.40	31402880	37084124	3.778	3.884
6)	delta-BHC	12.38	12.28	28561115	38170132	3.217	3.537
7)	Aldrin	13.35	13.00	29040649	33621898	3.638	3.753
8)	Heptachlor Epoxi	14.44	14.05	29849914	34545134	3.866	3.984
9)	gamma-Chlordane	14.66	14.40	28782111	33598152	3.763	3.865
10)	alpha-Chlordane	14.89	14.65	29549663	34340874	3.855	3.964
11)	Endosulfan I	15.13	14.75	27446035	31892126	3.876	4.045
12)	4,4'-DDE	15.03	14.96	23008794	29379949	3.443	3.657
13)	Dieldrin	15.55	15.23	26745450	31230808	3.664	3.779
14)	Endrin	15.93	15.75	19514826	25683939	3.641	3.853
15)	4,4'-DDD	16.02	15.95	18789018	25608354	3.534	3.810
16)	Endosulfan II	16.29	16.10	23343931	28704772	3.879	3.992
17)	4,4'-DDT	16.45	16.43	20434504	21358928	3.639	3.639
18)	Endrin Aldehyde	16.89	16.61	20021078	24702677	4.026	4.164
19)	Endosulfan Sulfa	17.48	17.00	16314908	25142923	5.069	4.086
20)	Methoxychlor	17.15	17.38	11292430	13019227	4.100	4.149
21)	Endrin Ketone	17.85	17.69	26104747	30683245	4.002	4.089

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
9G32637.D 8081.M Fri Oct 14 09:38:01 2005 Page 1

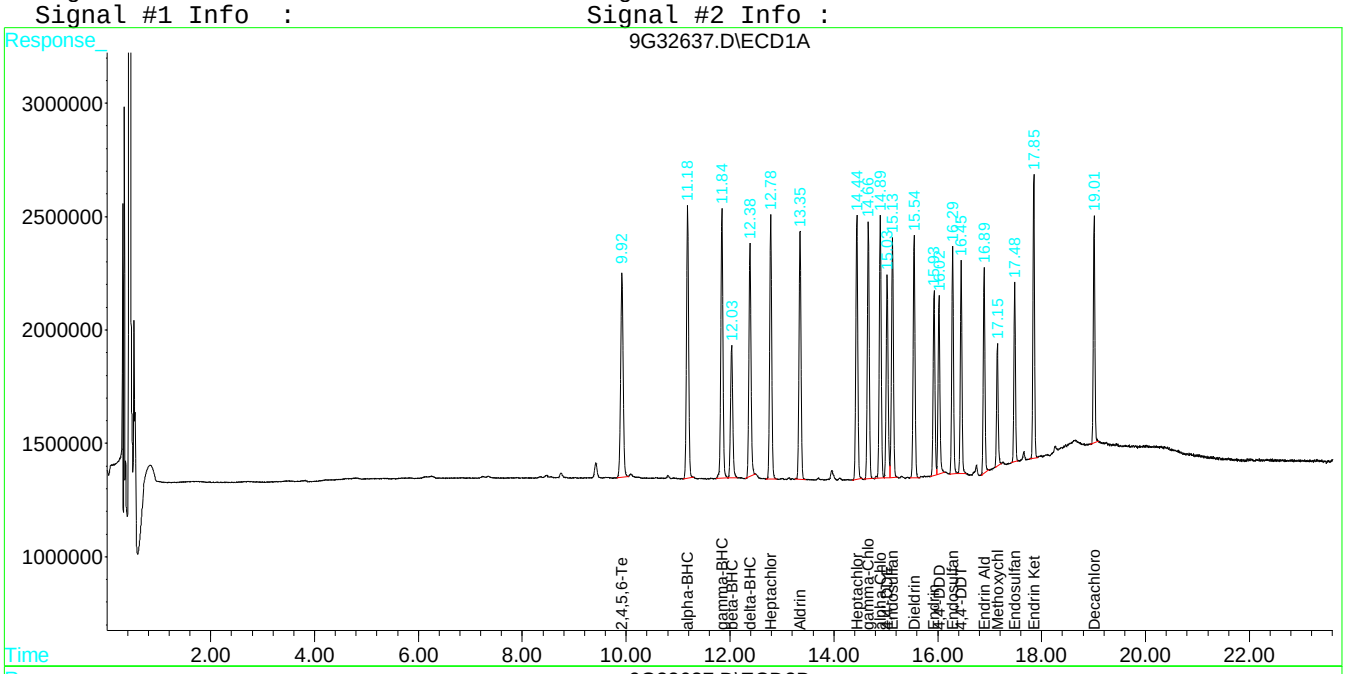
Quantitation Report (Not Reviewed)

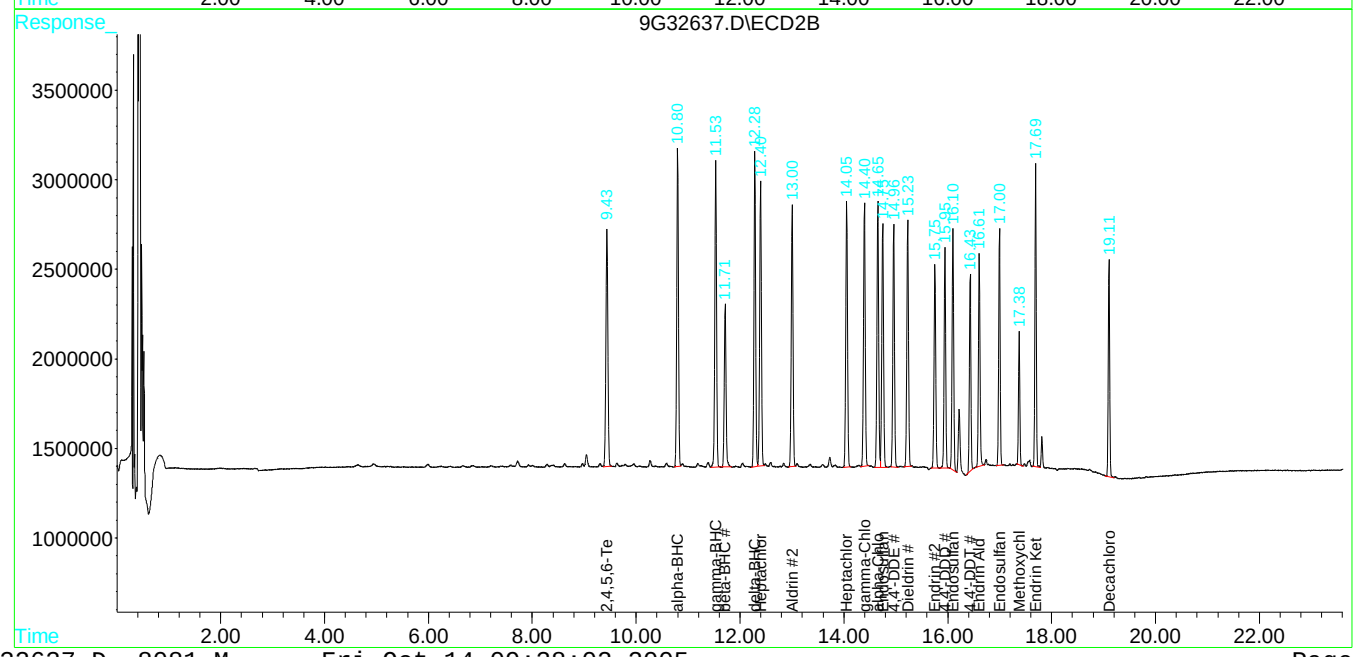
```
Data File : C:\HPCHEM\1\DATA\101305\9G32637.D\ECD1A.CH   Vial: 14
Acq On    : 13 Oct 2005  20:42                          Operator: ECL
Sample    : WG198574-06 PEST ICAL 4 PPB                 Inst    : HP9
Misc      : 1,1 SOS75-31                                Multiplr: 1.00
IntFile   : autoint1.e

Data File : C:\HPCHEM\1\DATA\101305\9G32637.D\ECD2B.CH   Vial: 14
Acq On    : 13 Oct 2005  21:10                          Operator: ECL
Sample    : WG198574-06 PEST ICAL 4 PPB                 Inst    : HP9
Misc      : 1,1 SOS75-31                                Multiplr: 1.00
IntFile   : autoint2.e
Quant Time: Oct 14  9:32 2005  Quant Results File: 8081.RES

Quant Method : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title        : CALIBRATION October 13, 2005 @ 21:10
Last Update  : Fri Oct 14 09:32:33 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8081.M

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```





Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\101305\9G32638.D\ECD1A.CH Vial: 15
Acq On : 13 Oct 2005 21:10 Operator: ECL
Sample : WG198574-07 PEST ICAL 1 PPB Inst : HP9
Misc : 1,1 SOS75-31 Multiplr: 1.00
IntFile : autoint1.e

Data File : C:\HPCHEM\1\DATA\101305\9G32638.D\ECD2B.CH Vial: 15
Acq On : 13 Oct 2005 21:39 Operator: ECL
Sample : WG198574-07 PEST ICAL 1 PPB Inst : HP9
Misc : 1,1 SOS75-31 Multiplr: 1.00
IntFile : autoint2.e
Quant Time: Oct 14 9:33 2005 Quant Results File: 8081.RES

Quant Method : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title : CALIBRATION October 13, 2005 @ 21:10
Last Update : Fri Oct 14 09:33:10 2005
Response via : Initial Calibration
DataAcq Meth : 8081.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.94	9.43	7565440	9271900	0.967	1.044
	Spiked Amount 20.000 Range 20 - 180 Recovery =					4.84%#	5.22%#
22) S	Decachlorobiphen	19.02	19.12	5448860	6309036	1.140	1.216
	Spiked Amount 20.000 Range 25 - 140 Recovery =					5.70%#	6.08%#
	Target Compounds						
2)	alpha-BHC	11.20	10.80	7842080	9549016	0.767	0.819
3)	gamma-BHC	11.86	11.53	7538088	9503852	0.793	0.870
4)	beta-BHC	12.05	11.72	4253026	5725008	0.987	1.110
5)	Heptachlor	12.80	12.40	7835408	9685905	0.924	0.983
6)	delta-BHC	12.40	12.29	6536955	9210292	0.737	0.840
7)	Aldrin	13.37	13.01	7117455	8647984	0.886	0.946
8)	Heptachlor Epoxi	14.46	14.06	7485494	9185525	0.956	1.030
9)	gamma-Chlordane	14.68	14.40	7196601	8775543	0.932	0.984
10)	alpha-Chlordane	14.92	14.66	7294475	9140860	0.949	1.027
11)	Endosulfan I	15.15	14.75	6902085	8650836	0.962	1.068
12)	4,4'-DDE	15.05	14.96	5523891	7466245	0.816	0.914
13)	Dieldrin	15.57	15.23	6538952	8083318	0.888	0.954
14)	Endrin	15.95	15.76	4714520	6900575	0.879	1.012
15)	4,4'-DDD	16.05	15.95	4253735	6616308	0.793	0.964
16)	Endosulfan II	16.31	16.11	5808392	7709966	0.949	1.047
17)	4,4'-DDT	16.47	16.44	5063144	5055252	0.893	0.854
18)	Endrin Aldehyde	16.91	16.61	4917422	7484668	0.977	1.226 #
19)	Endosulfan Sulfa	17.50	17.00	3875515	6808651	2.425	1.070 #
20)	Methoxychlor	17.16	17.38	2708520	3429593	0.943	1.057
21)	Endrin Ketone	17.86	17.70	6495072	8017076	0.981	1.033

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
9G32638.D 8081.M Fri Oct 14 09:38:04 2005 Page 1

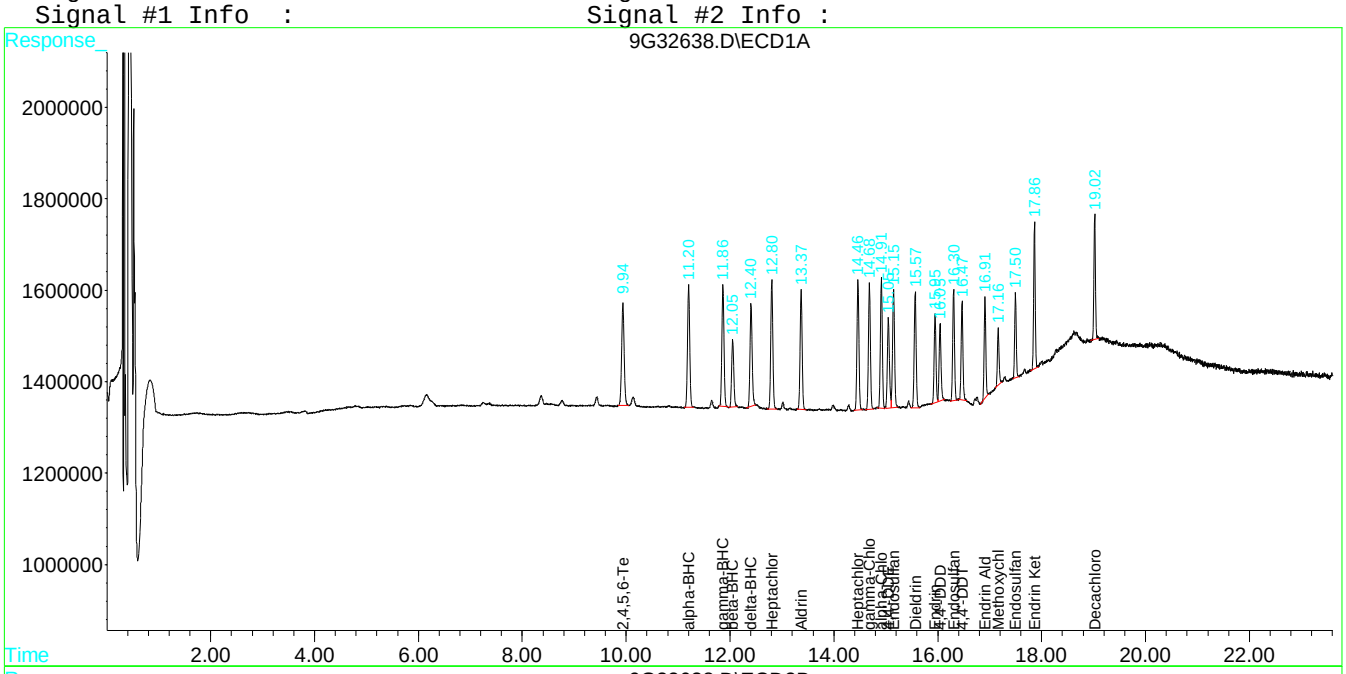
Quantitation Report (Not Reviewed)

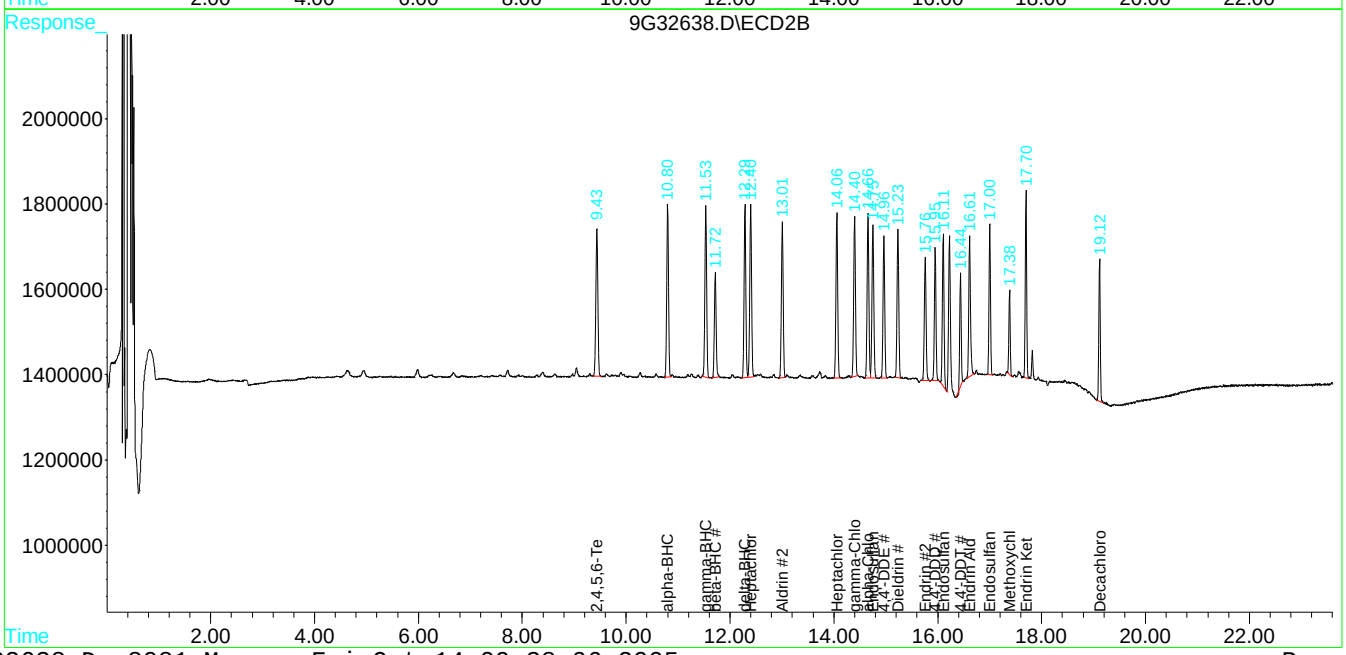
```
Data File : C:\HPCHEM\1\DATA\101305\9G32638.D\ECD1A.CH   Vial: 15
Acq On    : 13 Oct 2005  21:10                          Operator: ECL
Sample    : WG198574-07 PEST ICAL 1 PPB                 Inst    : HP9
Misc      : 1,1 SOS75-31                                Multiplr: 1.00
IntFile   : autoint1.e

Data File : C:\HPCHEM\1\DATA\101305\9G32638.D\ECD2B.CH   Vial: 15
Acq On    : 13 Oct 2005  21:39                          Operator: ECL
Sample    : WG198574-07 PEST ICAL 1 PPB                 Inst    : HP9
Misc      : 1,1 SOS75-31                                Multiplr: 1.00
IntFile   : autoint2.e
Quant Time: Oct 14  9:33 2005  Quant Results File: 8081.RES

Quant Method : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title        : CALIBRATION October 13, 2005 @ 21:10
Last Update  : Fri Oct 14 09:33:10 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8081.M

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```





Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\101305\9G32639.D\ECD1A.CH Vial: 16
Acq On : 13 Oct 2005 21:39 Operator: ECL
Sample : WG198574-08 PEST ALT 20 PPB Inst : HP9
Misc : 1,1 SOS75-24 Multiplr: 1.00
IntFile : autoint1.e

Data File : C:\HPCHEM\1\DATA\101305\9G32639.D\ECD2B.CH Vial: 16
Acq On : 13 Oct 2005 22:07 Operator: ECL
Sample : WG198574-08 PEST ALT 20 PPB Inst : HP9
Misc : 1,1 SOS75-24 Multiplr: 1.00
IntFile : autoint2.e
Quant Time: Oct 14 9:35 2005 Quant Results File: 8081.RES

Quant Method : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title : CALIBRATION October 13, 2005 @ 21:10
Last Update : Fri Oct 14 09:34:19 2005
Response via : Initial Calibration
DataAcq Meth : 8081.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.93	9.43	137.8E6	157.4E6	17.612	17.727
	Spiked Amount 20.000 Range 39 - 130 Recovery =					88.06%	88.63%
22) S	Decachlorobiphen	19.04	19.11	85051437	91112711	17.787	17.558
	Spiked Amount 20.000 Range 33 - 143 Recovery =					88.94%	87.79%
	Target Compounds						
2)	alpha-BHC	11.20	10.79	184.9E6	218.3E6	18.088	18.728
3)	gamma-BHC	11.86	11.53	172.0E6	202.8E6	18.087	18.572
4)	beta-BHC	12.05	11.71	77629313	92031376	18.010	17.842
5)	Heptachlor	12.81	12.39	152.1E6	181.7E6	17.937	18.441
6)	delta-BHC	12.41	12.28	151.5E6	190.1E6	17.082	17.341
7)	Aldrin	13.37	13.00	150.4E6	175.1E6	18.716	19.159
8)	Heptachlor Epoxi	14.47	14.05	140.5E6	163.0E6	17.936	18.287
9)	gamma-Chlordane	14.69	14.39	140.7E6	167.7E6	18.224	18.800
10)	alpha-Chlordane	14.92	14.65	136.7E6	162.0E6	17.783	18.211
11)	Endosulfan I	15.16	14.74	127.8E6	147.8E6	17.809	18.243
12)	4,4'-DDE	15.05	14.96	120.0E6	151.1E6	17.734	18.496
13)	Dieldrin	15.57	15.23	134.8E6	160.7E6	18.292	18.973
14)	Endrin	15.96	15.75	92015119	118.5E6	17.149	17.376
15)	4,4'-DDD	16.05	15.95	96479217	127.2E6	17.989	18.530
16)	Endosulfan II	16.31	16.10	107.8E6	133.1E6	17.612	18.071
17)	4,4'-DDT	16.48	16.43	98398846	107.1E6	17.364	18.087
18)	Endrin Aldehyde	16.92	16.61	88898931	104.0E6	17.671	17.033
19)	Endosulfan Sulfa	17.51	17.00	74876328	113.2E6	17.200	17.783
20)	Methoxychlor	17.17	17.38	50734464	57261938	17.668	17.654
21)	Endrin Ketone	17.87	17.70	114.6E6	137.1E6	17.307	17.671

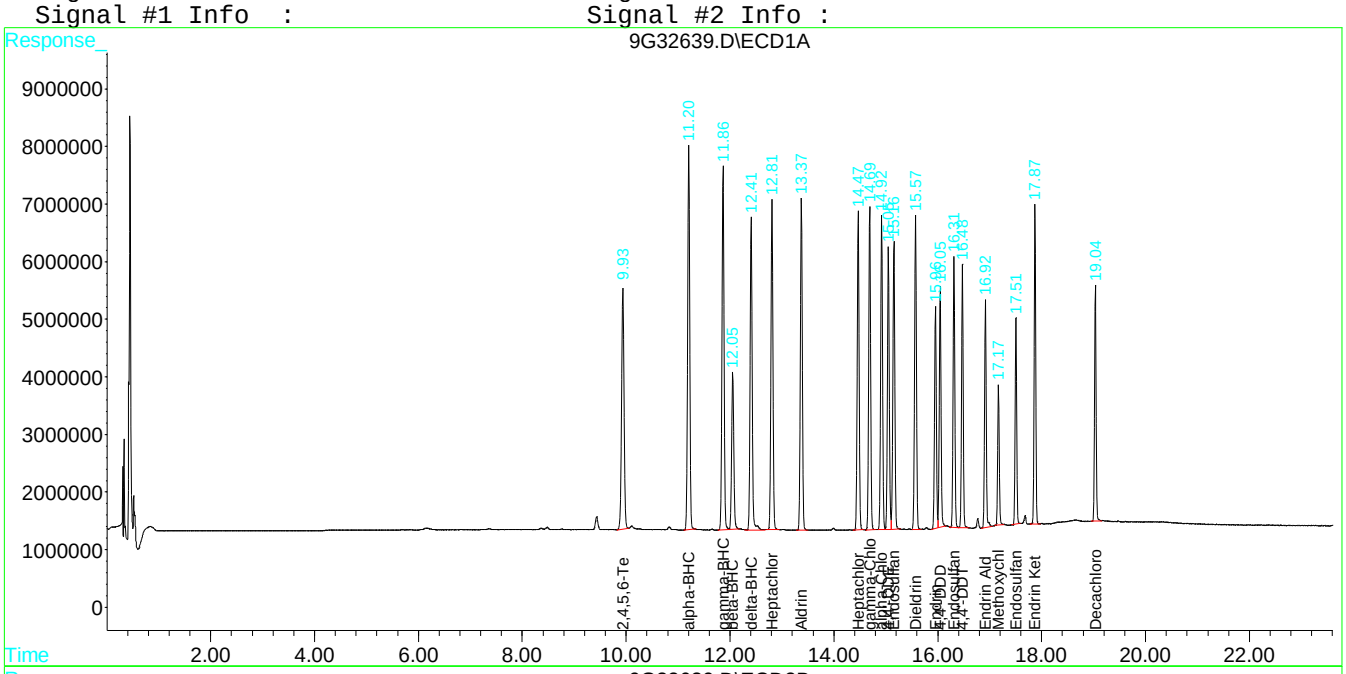
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
9G32639.D 8081.M Fri Oct 14 09:35:50 2005 Page 1

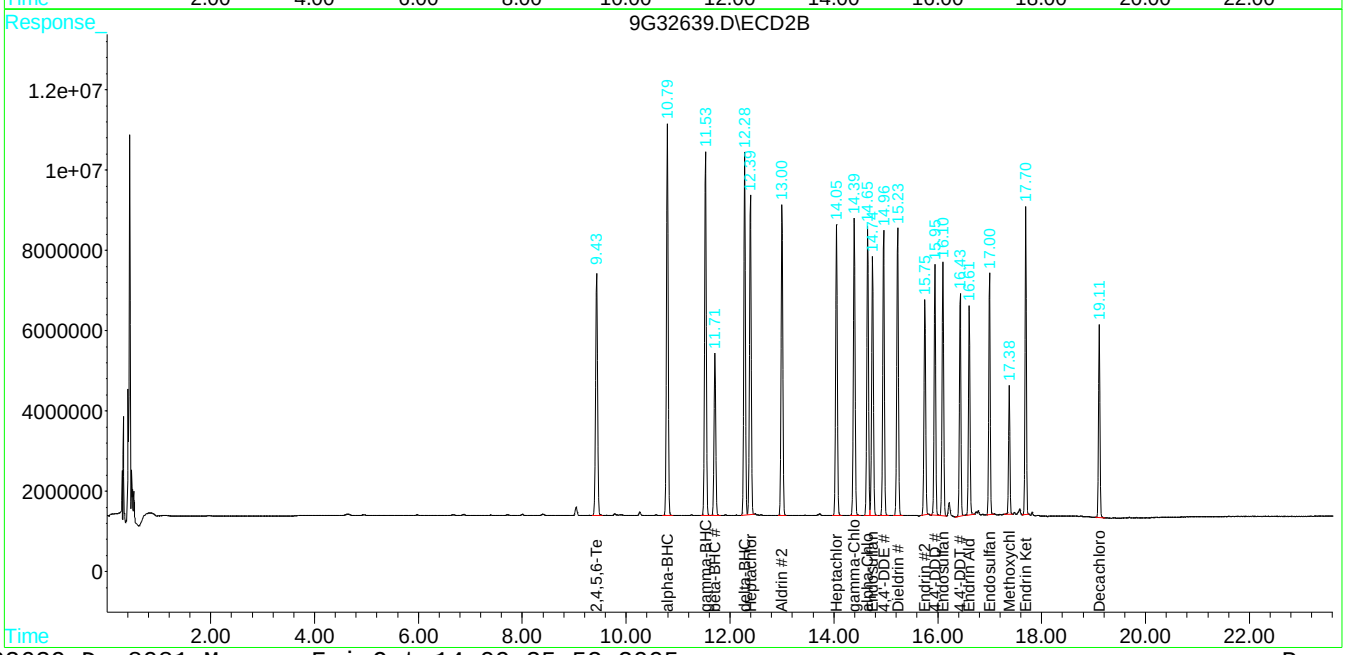
```
Data File : C:\HPCHEM\1\DATA\101305\9G32639.D\ECD1A.CH   Vial: 16
Acq On    : 13 Oct 2005  21:39                          Operator: ECL
Sample    : WG198574-08 PEST ALT 20 PPB                 Inst    : HP9
Misc      : 1,1 SOS75-24                                Multiplr: 1.00
IntFile   : autoint1.e

Data File : C:\HPCHEM\1\DATA\101305\9G32639.D\ECD2B.CH   Vial: 16
Acq On    : 13 Oct 2005  22:07                          Operator: ECL
Sample    : WG198574-08 PEST ALT 20 PPB                 Inst    : HP9
Misc      : 1,1 SOS75-24                                Multiplr: 1.00
IntFile   : autoint2.e
Quant Time: Oct 14  9:35 2005  Quant Results File: 8081.RES

Quant Method : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title        : CALIBRATION October 13, 2005 @ 21:10
Last Update  : Fri Oct 14 09:34:19 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8081.M

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```





Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\101405\9G32670.D\ECD1A.CH Vial: 2
Acq On : 14 Oct 2005 15:07 Operator: ECL
Sample : WG198688-02 PEST CCV 20 PPB Inst : HP9
Misc : 1,1 SOS75-31 Multiplr: 1.00
IntFile : autoint1.e

Data File : C:\HPCHEM\1\DATA\101405\9G32670.D\ECD2B.CH Vial: 2
Acq On : 14 Oct 2005 15:35 Operator: ECL
Sample : WG198688-02 PEST CCV 20 PPB Inst : HP9
Misc : 1,1 SOS75-31 Multiplr: 1.00
IntFile : autoint2.e
Quant Time: Oct 17 8:09 2005 Quant Results File: 8081.RES

Quant Method : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title : CALIBRATION October 13, 2005 @ 21:10
Last Update : Mon Oct 17 08:09:30 2005
Response via : Initial Calibration
DataAcq Meth : 8081.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.93	9.43	145.4E6	167.5E6	18.576	18.868
	Spiked Amount 20.000 Range 20 - 180 Recovery =					92.88%	94.34%
22) S	Decachlorobiphen	19.02	19.11	89122428	100.1E6	18.638	19.280
	Spiked Amount 20.000 Range 25 - 140 Recovery =					93.19%	96.40%
	Target Compounds						
2)	alpha-BHC	11.19	10.79	192.9E6	228.8E6	18.867	19.631
3)	gamma-BHC	11.85	11.52	179.7E6	211.5E6	18.895	19.370
4)	beta-BHC	12.04	11.71	79363851	95928552	18.412	18.597
5)	Heptachlor	12.79	12.39	152.5E6	184.9E6	17.987	18.773
6)	delta-BHC	12.39	12.28	165.2E6	214.1E6	18.627	19.535
7)	Aldrin	13.36	13.00	149.2E6	176.5E6	18.563	19.310
8)	Heptachlor Epoxi	14.45	14.05	145.3E6	172.4E6	18.554	19.339
9)	gamma-Chlordane	14.67	14.39	141.0E6	170.3E6	18.264	19.088
10)	alpha-Chlordane	14.90	14.65	140.6E6	169.4E6	18.298	19.034
11)	Endosulfan I	15.14	14.75	132.7E6	156.7E6	18.497	19.343
12)	4,4'-DDE	15.03	14.96	123.2E6	158.1E6	18.205	19.353
13)	Dieldrin	15.56	15.23	135.8E6	164.9E6	18.428	19.461
14)	Endrin	15.94	15.75	98943280	132.3E6	18.440	19.394
15)	4,4'-DDD	16.03	15.95	102.4E6	139.1E6	19.102	20.269
16)	Endosulfan II	16.30	16.10	115.0E6	142.5E6	18.774	19.340
17)	4,4'-DDT	16.46	16.43	99506193	102.2E6	17.560	17.256
18)	Endrin Aldehyde	16.90	16.61	94631092	112.7E6	18.810	18.456
19)	Endosulfan Sulfa	17.49	17.00	87880001	121.4E6	20.187	19.065
20)	Methoxychlor	17.16	17.38	52749748	57288377	18.369	17.662
21)	Endrin Ketone	17.86	17.70	124.3E6	148.8E6	18.768	19.182

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

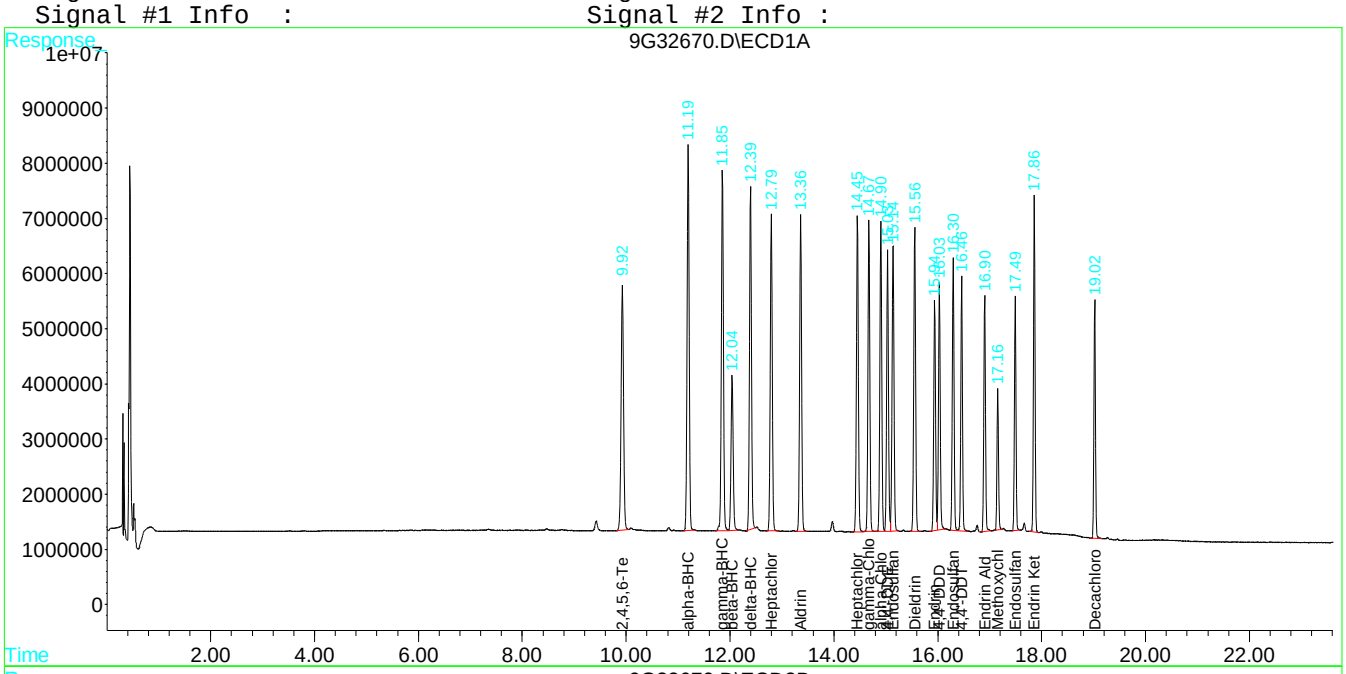
Quantitation Report (Not Reviewed)

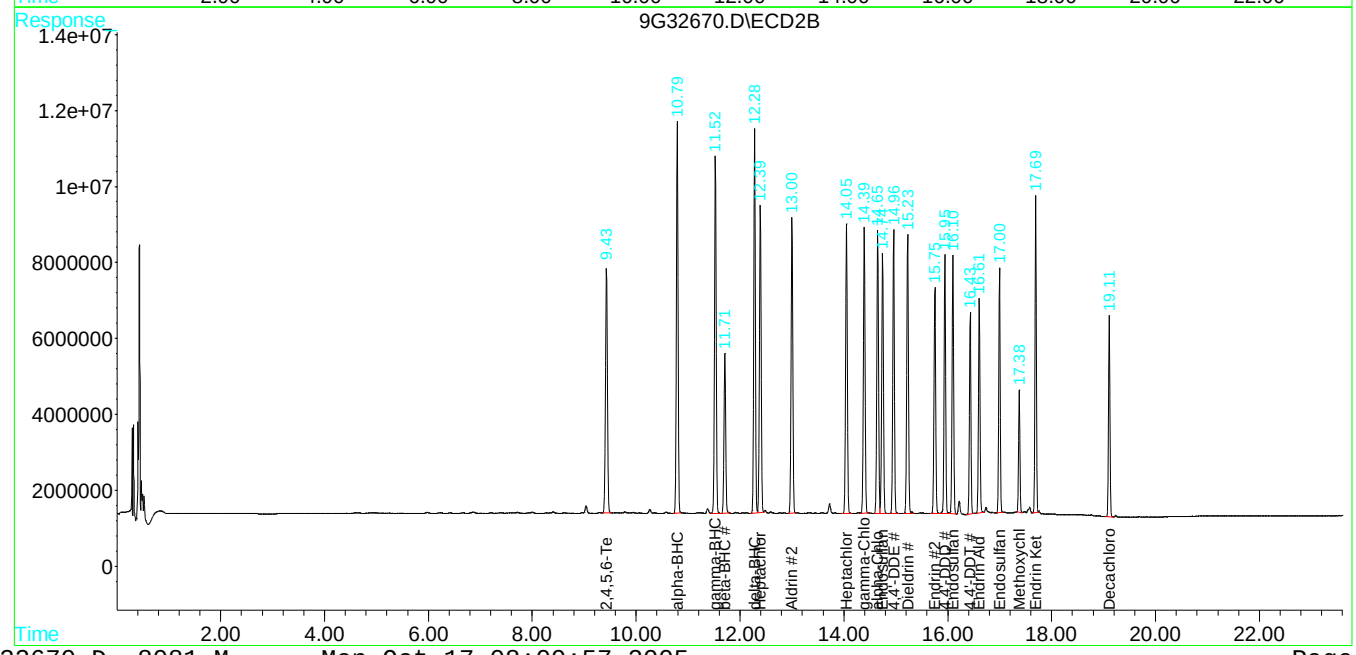
```
Data File : C:\HPCHEM\1\DATA\101405\9G32670.D\ECD1A.CH   Vial: 2
Acq On    : 14 Oct 2005  15:07                          Operator: ECL
Sample    : WG198688-02 PEST CCV 20 PPB                 Inst    : HP9
Misc      : 1,1 SOS75-31                                Multiplr: 1.00
IntFile   : autoint1.e

Data File : C:\HPCHEM\1\DATA\101405\9G32670.D\ECD2B.CH   Vial: 2
Acq On    : 14 Oct 2005  15:35                          Operator: ECL
Sample    : WG198688-02 PEST CCV 20 PPB                 Inst    : HP9
Misc      : 1,1 SOS75-31                                Multiplr: 1.00
IntFile   : autoint2.e
Quant Time: Oct 17  8:09 2005  Quant Results File: 8081.RES

Quant Method : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title        : CALIBRATION October 13, 2005 @ 21:10
Last Update  : Mon Oct 17 08:09:30 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8081.M

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```





Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\101405\9G32671.D\ECD1A.CH Vial: 3
Acq On : 14 Oct 2005 15:35 Operator: ECL
Sample : TOX CCV 250 PPB Inst : HP9
Misc : 1,1 SOS75-14 Multiplr: 1.00
IntFile : .E

Data File : C:\HPCHEM\1\DATA\101405\9G32671.D\ECD2B.CH Vial: 3
Acq On : 14 Oct 2005 16:03 Operator: ECL
Sample : TOX CCV 250 PPB Inst : HP9
Misc : 1,1 SOS75-14 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 17 8:13 2005 Quant Results File: TOX.RES

Quant Method : C:\HPCHEM\1\METHODS\TOX.M (Chemstation Integrator)
Title : CALIBRATION October 13, 2005
Last Update : Fri Oct 14 09:42:14 2005
Response via : Initial Calibration
DataAcq Meth : 8081.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
Target Compounds						
1) L1 Toxaphene-1	15.70	16.62	12223663	32089508	225.031	208.006
2) L1 Toxaphene-2	16.77	17.32	16490893	34232715	224.892	198.502
3) L1 Toxaphene-3	16.87	17.40	27742535	21549918	218.149	180.322
4) L1 Toxaphene-4	17.36	17.82	30139111	17551697	214.485	204.032
5) L1 Toxaphene-5	17.83	18.04	26607281	9401140	217.820	152.459 #
Sum Toxaphene-1			113.2E6	114.8E6	1100.376	943.321
Average Toxaphene-1					220.075	188.664

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

```
Data File : C:\HPCHEM\1\DATA\101405\9G32671.D\ECD1A.CH   Vial: 3
Acq On    : 14 Oct 2005  15:35                          Operator: ECL
Sample    : TOX CCV 250 PPB                             Inst    : HP9
Misc      : 1,1 SOS75-14                                Multiplr: 1.00
IntFile   : .E

Data File : C:\HPCHEM\1\DATA\101405\9G32671.D\ECD2B.CH   Vial: 3
Acq On    : 14 Oct 2005  16:03                          Operator: ECL
Sample    : TOX CCV 250 PPB                             Inst    : HP9
Misc      : 1,1 SOS75-14                                Multiplr: 1.00
IntFile   : EVENTS.E
Quant Time: Oct 17  8:13 2005  Quant Results File: TOX.RES

Quant Method : C:\HPCHEM\1\METHODS\TOX.M (Chemstation Integrator)
Title        : CALIBRATION October 13, 2005
Last Update  : Fri Oct 14 09:42:14 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8081.M

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
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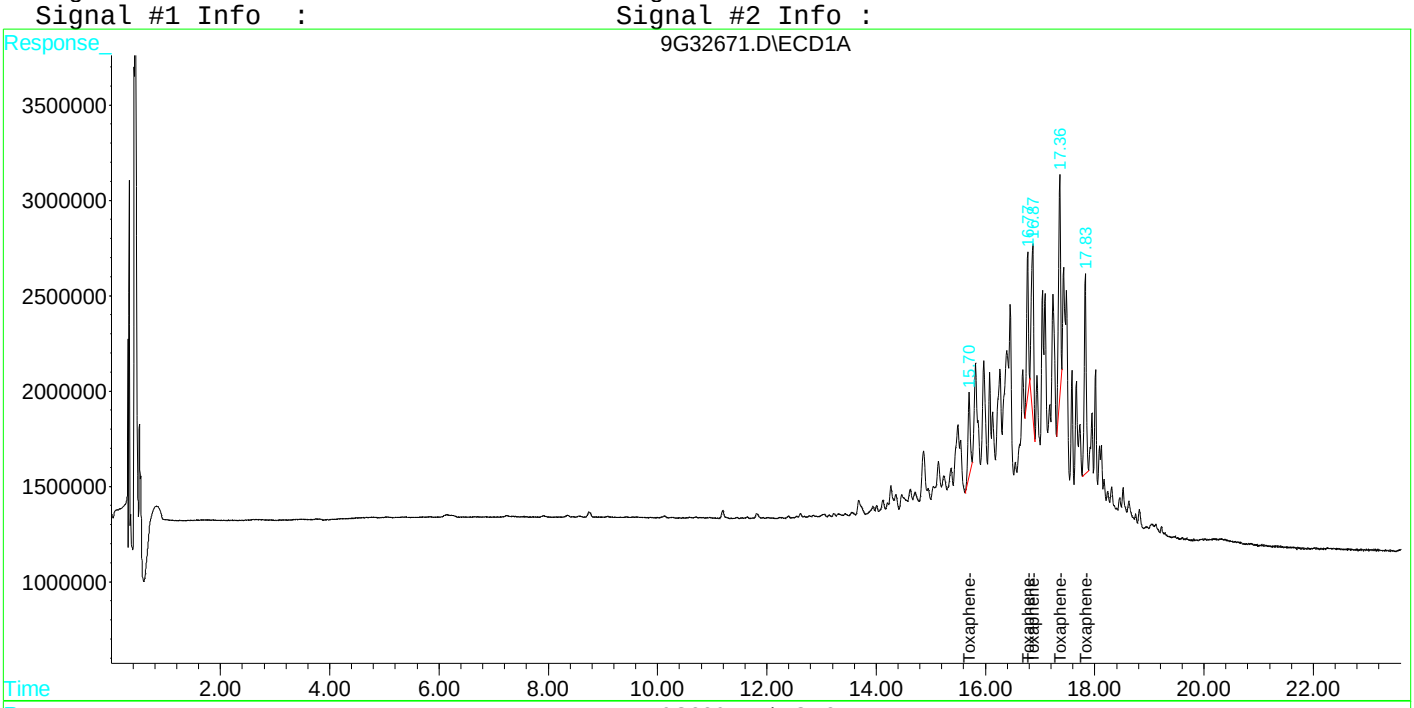
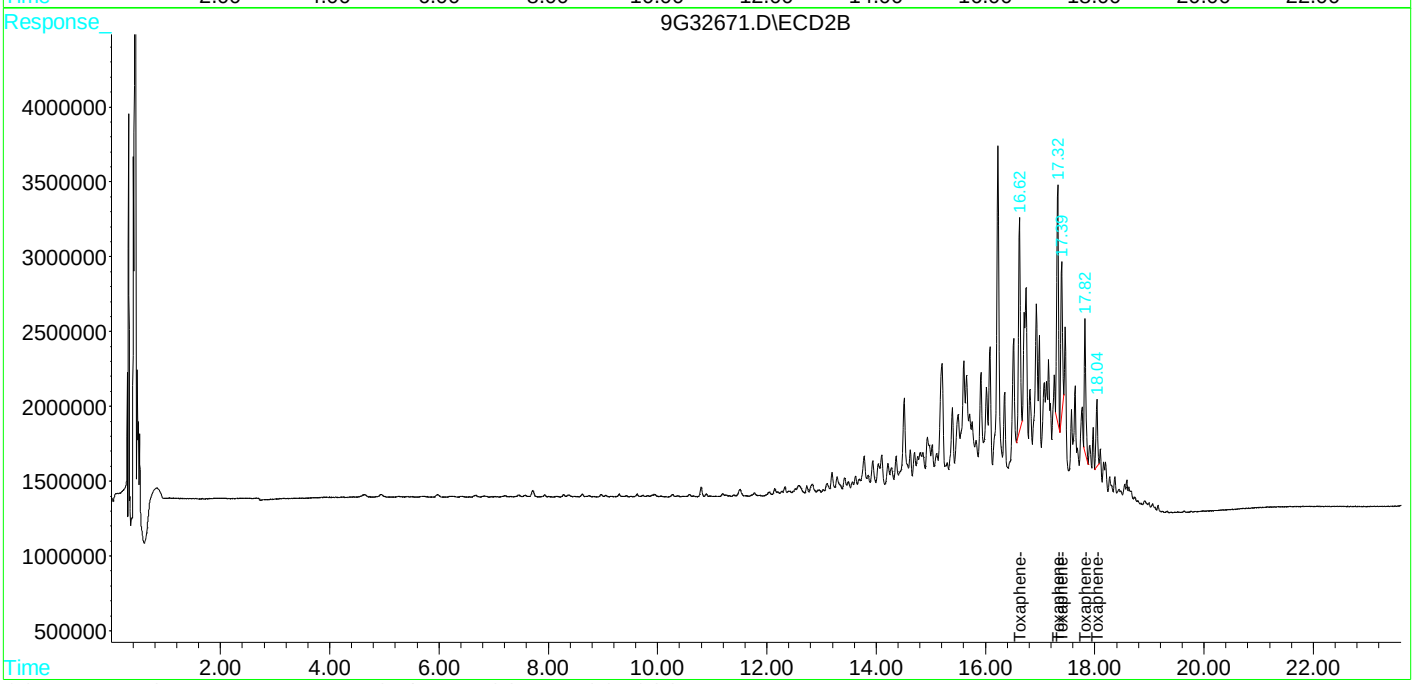




Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\101405\9G32680.D\ECD1A.CH Vial: 12
Acq On : 14 Oct 2005 19:48 Operator: ECL
Sample : WG198688-04 PEST CCV 50 PPB Inst : HP9
Misc : 1,1 SOS75-31 Multiplr: 1.00
IntFile : autoint1.e

Data File : C:\HPCHEM\1\DATA\101405\9G32680.D\ECD2B.CH Vial: 12
Acq On : 14 Oct 2005 20:16 Operator: ECL
Sample : WG198688-04 PEST CCV 50 PPB Inst : HP9
Misc : 1,1 SOS75-31 Multiplr: 1.00
IntFile : autoint2.e
Quant Time: Oct 17 8:52 2005 Quant Results File: 8081.RES

Quant Method : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title : CALIBRATION October 13, 2005 @ 21:10
Last Update : Mon Oct 17 08:52:40 2005
Response via : Initial Calibration
DataAcq Meth : 8081.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.92	9.43	380.0E6	428.3E6	48.552	48.234
	Spiked Amount 20.000 Range 20 - 180 Recovery =					242.76%#	241.17%#
22) S	Decachlorobiphen	19.01	19.11	214.9E6	223.9E6	44.932	43.145
	Spiked Amount 20.000 Range 25 - 140 Recovery =					224.66%#	215.73%#
	Target Compounds						
2)	alpha-BHC	11.18	10.80	538.0E6	618.6E6	52.618	53.078
3)	gamma-BHC	11.84	11.53	487.9E6	557.5E6	51.297	51.047
4)	beta-BHC	12.03	11.71	198.6E6	233.7E6	46.085	45.305
5)	Heptachlor	12.78	12.39	422.7E6	476.0E6	49.858	48.327
6)	delta-BHC	12.38	12.28	472.2E6	567.6E6	53.254	51.782
7)	Aldrin	13.35	13.00	398.1E6	455.4E6	49.538	49.824
8)	Heptachlor Epoxi	14.44	14.05	375.2E6	426.8E6	47.907	47.872
9)	gamma-Chlordane	14.66	14.39	368.9E6	427.4E6	47.767	47.918
10)	alpha-Chlordane	14.89	14.65	363.0E6	418.5E6	47.225	47.034
11)	Endosulfan I	15.13	14.74	339.7E6	384.5E6	47.339	47.453
12)	4,4'-DDE	15.02f	14.96	345.4E6	401.7E6	51.030	49.153
13)	Dieldrin	15.54	15.23	361.6E6	410.9E6	49.082	48.501
14)	Endrin	15.93	15.75	275.6E6	335.0E6	51.361	49.118
15)	4,4'-DDD	16.02	15.94	288.2E6	357.2E6	53.744	52.029
16)	Endosulfan II	16.28	16.10	297.0E6	345.7E6	48.511	46.933
17)	4,4'-DDT	16.45	16.43	264.5E6	232.9E6	46.669	39.333
18)	Endrin Aldehyde	16.89	16.60	238.6E6	263.3E6	47.430	43.136
19)	Endosulfan Sulfa	17.48	16.99	240.6E6	289.9E6	55.264	45.544
20)	Methoxychlor	17.14	17.37	135.3E6	124.8E6	47.131	38.490
21)	Endrin Ketone	17.85	17.69	317.3E6	347.6E6	47.921	44.808

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

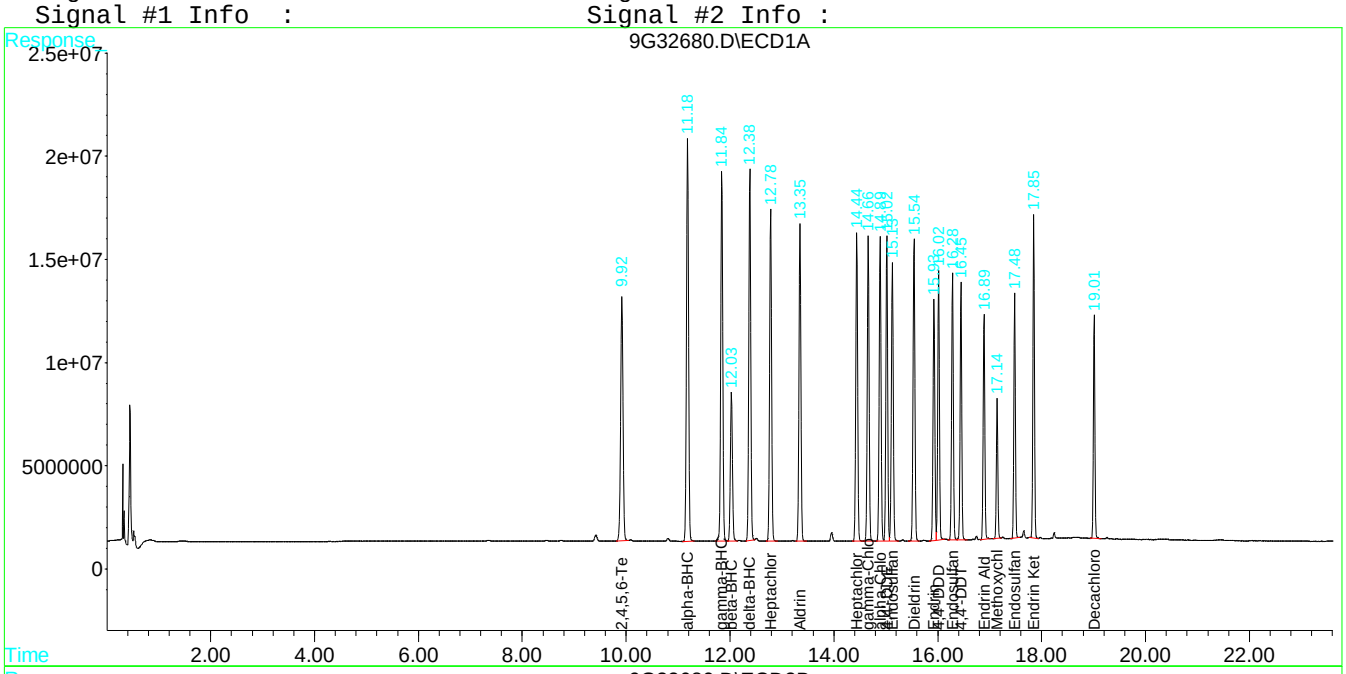
Quantitation Report (Not Reviewed)

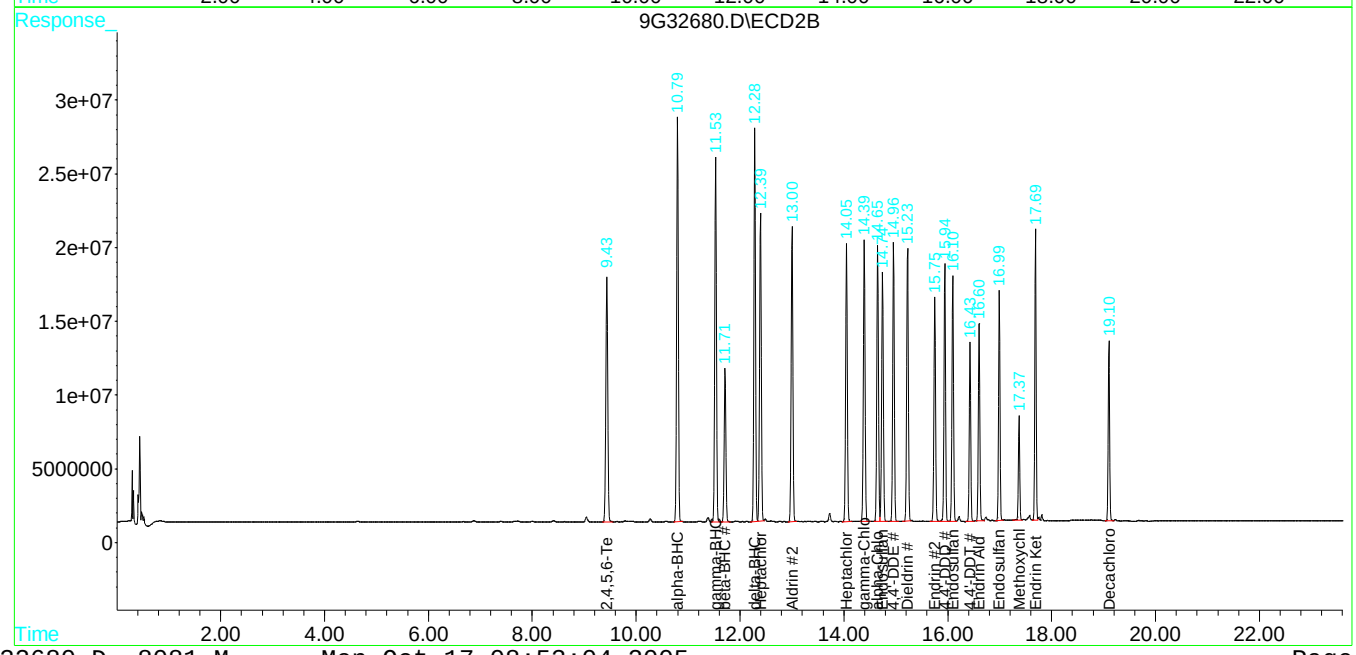
Data File : C:\HPCHEM\1\DATA\101405\9G32680.D\ECD1A.CH Vial: 12
Acq On : 14 Oct 2005 19:48 Operator: ECL
Sample : WG198688-04 PEST CCV 50 PPB Inst : HP9
Misc : 1,1 SOS75-31 Multiplr: 1.00
IntFile : autoint1.e

Data File : C:\HPCHEM\1\DATA\101405\9G32680.D\ECD2B.CH Vial: 12
Acq On : 14 Oct 2005 20:16 Operator: ECL
Sample : WG198688-04 PEST CCV 50 PPB Inst : HP9
Misc : 1,1 SOS75-31 Multiplr: 1.00
IntFile : autoint2.e
Quant Time: Oct 17 8:52 2005 Quant Results File: 8081.RES

Quant Method : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title : CALIBRATION October 13, 2005 @ 21:10
Last Update : Mon Oct 17 08:52:40 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8081.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\101405\9G32681.D\ECD1A.CH Vial: 13
Acq On : 14 Oct 2005 20:16 Operator: ECL
Sample : TOX CCV 500 PPB Inst : HP9
Misc : 1,1 SOS75-14 Multiplr: 1.00
IntFile : .E

Data File : C:\HPCHEM\1\DATA\101405\9G32681.D\ECD2B.CH Vial: 13
Acq On : 14 Oct 2005 20:44 Operator: ECL
Sample : TOX CCV 500 PPB Inst : HP9
Misc : 1,1 SOS75-14 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 17 8:16 2005 Quant Results File: TOX.RES

Quant Method : C:\HPCHEM\1\METHODS\TOX.M (Chemstation Integrator)
Title : CALIBRATION October 13, 2005
Last Update : Fri Oct 14 09:42:14 2005
Response via : Initial Calibration
DataAcq Meth : 8081.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
Target Compounds						
1) L1 Toxaphene-1	15.70	16.63	23709268	59556406	436.475	386.048
2) L1 Toxaphene-2	16.77	17.33	32198729	59456684	439.105	344.766
3) L1 Toxaphene-3	16.87	17.40	54232469	38564722	426.447	322.696
4) L1 Toxaphene-4	17.36	17.83	62042812	30531346	441.527	354.916
5) L1 Toxaphene-5	17.82	18.05	52383878	15851453	428.839	257.064 #
Sum Toxaphene-1			224.6E6	204.0E6	2172.394	1665.490
Average Toxaphene-1					434.479	333.098

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

```
Data File : C:\HPCHEM\1\DATA\101405\9G32681.D\ECD1A.CH   Vial: 13
Acq On    : 14 Oct 2005  20:16                          Operator: ECL
Sample    : TOX CCV 500 PPB                             Inst    : HP9
Misc      : 1,1 SOS75-14                                Multiplr: 1.00
IntFile   : .E

Data File : C:\HPCHEM\1\DATA\101405\9G32681.D\ECD2B.CH   Vial: 13
Acq On    : 14 Oct 2005  20:44                          Operator: ECL
Sample    : TOX CCV 500 PPB                             Inst    : HP9
Misc      : 1,1 SOS75-14                                Multiplr: 1.00
IntFile   : EVENTS.E
Quant Time: Oct 17  8:16 2005  Quant Results File: TOX.RES

Quant Method : C:\HPCHEM\1\METHODS\TOX.M (Chemstation Integrator)
Title        : CALIBRATION October 13, 2005
Last Update  : Fri Oct 14 09:42:14 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8081.M

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
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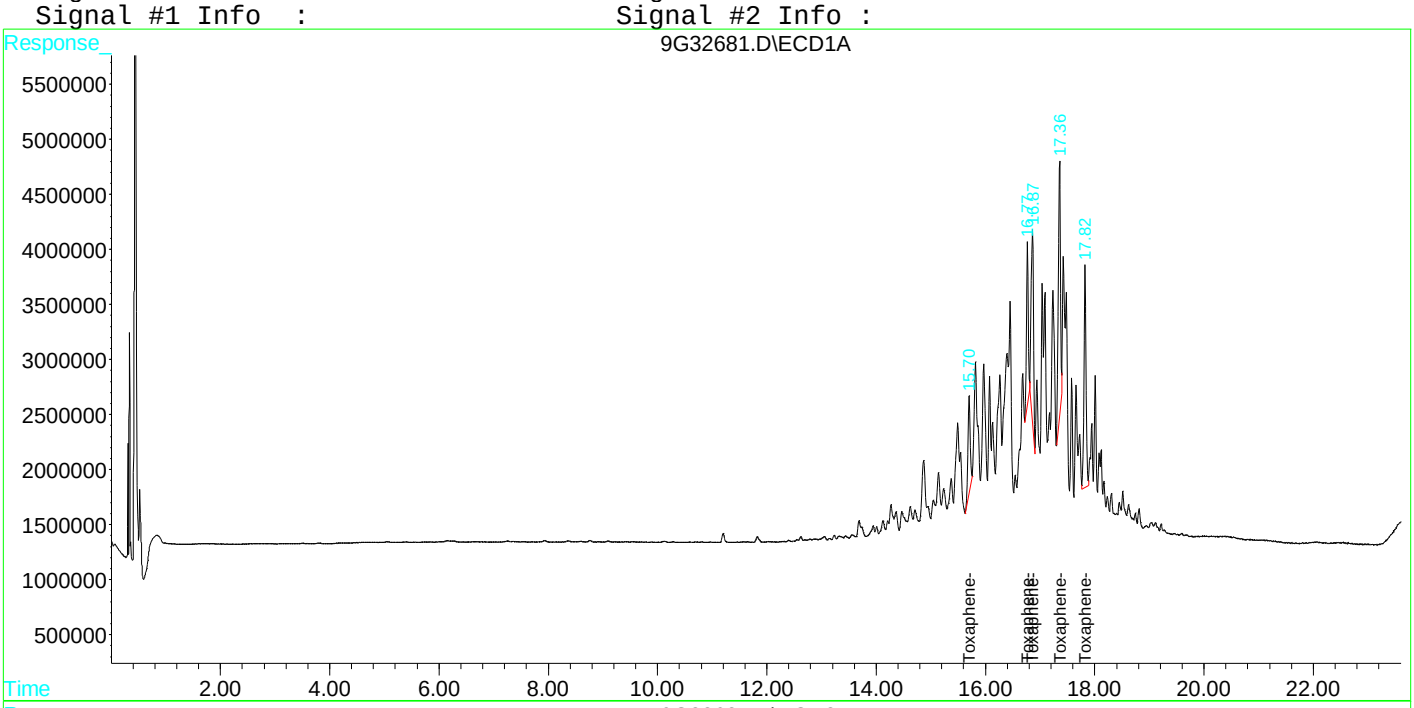
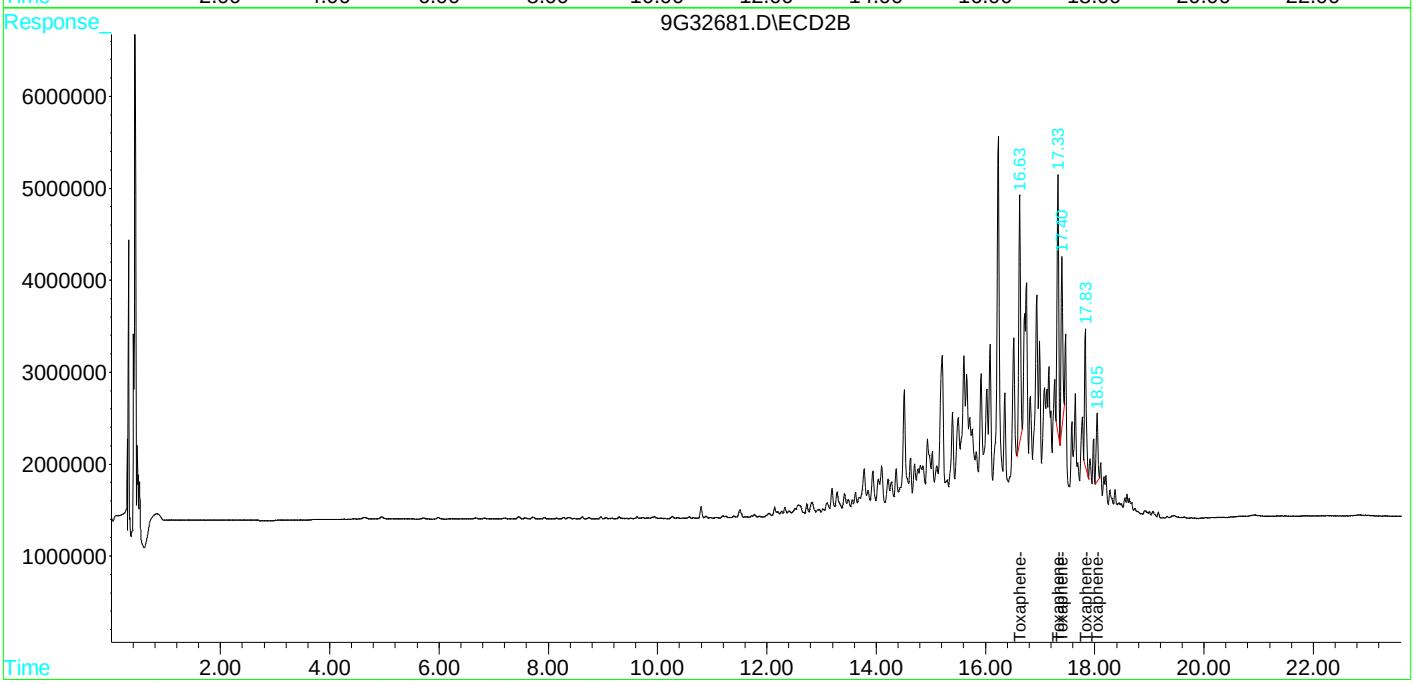




Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\101905\
Data File : 15G3481.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Oct 2005 10:58 (#1); 19 Oct 2005 11:25 (#2)
Operator : ECL
Sample : WG198970-02 PEST CCV 20 PPB
Misc : 1,1 SOS75-31
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 19 11:51:06 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Tue Oct 04 10:14:22 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.58	9.83	339.3E6	401.3E6	21.314	22.822
	Spiked Amount 20.000 Range 30 - 132 Recovery = 106.57% 114.11%						
22) S	Decachlorobiphen	18.96	19.56	245.2E6	201.8E6	24.340	22.230
	Spiked Amount 20.000 Range 36 - 144 Recovery = 121.70% 111.15%						
	Target Compounds						
2)	alpha-BHC	10.97	11.25	481.8E6	544.4E6	22.405	23.936
3)	gamma-BHC	11.67	12.00	450.9E6	485.0E6	22.608	23.829
4)	beta-BHC	11.87	12.18	197.5E6	207.7E6	21.302	22.808
5)	Heptachlor	12.64	12.90	432.2E6	436.2E6	22.333	23.492
6)	delta-BHC	12.24	12.77	461.4E6	463.3E6	23.325	23.678
7)	Aldrin	13.23	13.52	397.8E6	404.9E6	22.456	24.099
8)	Heptachlor Epoxi	14.37	14.58	387.5E6	378.3E6	22.493	23.222
9)	gamma-Chlordane	14.59	14.93	385.0E6	361.0E6	22.230	23.142
10)	alpha-Chlordane	14.83	15.19	378.4E6	354.8E6	22.151	23.166
11)	Endosulfan I	15.08	15.29	348.8E6	337.3E6	21.893	23.180
12)	4,4'-DDE	14.96	15.47	370.5E6	335.8E6	22.186	23.553
13)	Dieldrin	15.49	15.76	376.6E6	339.3E6	22.848	23.252
14)	Endrin	15.87	16.24	300.7E6	290.0E6	21.857	22.653
15)	4,4'-DDD	15.96	16.39	321.3E6	268.2E6	24.307	24.542
16)	Endosulfan II	16.22	16.55	322.9E6	270.7E6	23.695	22.978
17)	4,4'-DDT	16.38	16.84	237.9E6	194.9E6	18.381	20.661
18)	Endrin Aldehyde	16.83	17.02	238.8E6	198.6E6	22.333	21.623
19)	Endosulfan Sulfa	17.42	17.39	264.9E6	223.6E6	24.393	22.386
20)	Methoxychlor	17.06	17.71	125.1E6	103.8E6	19.034	19.518
21)	Endrin Ketone	17.79	18.06	313.2E6	241.3E6	24.333	22.391

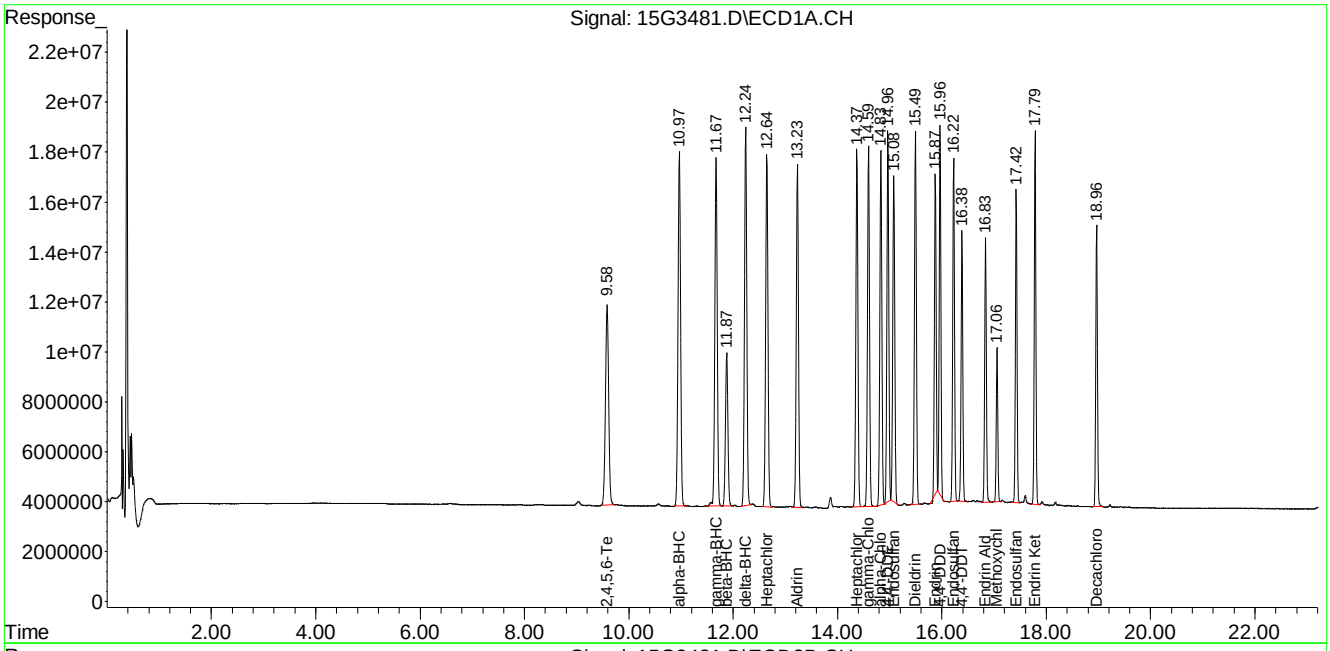
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

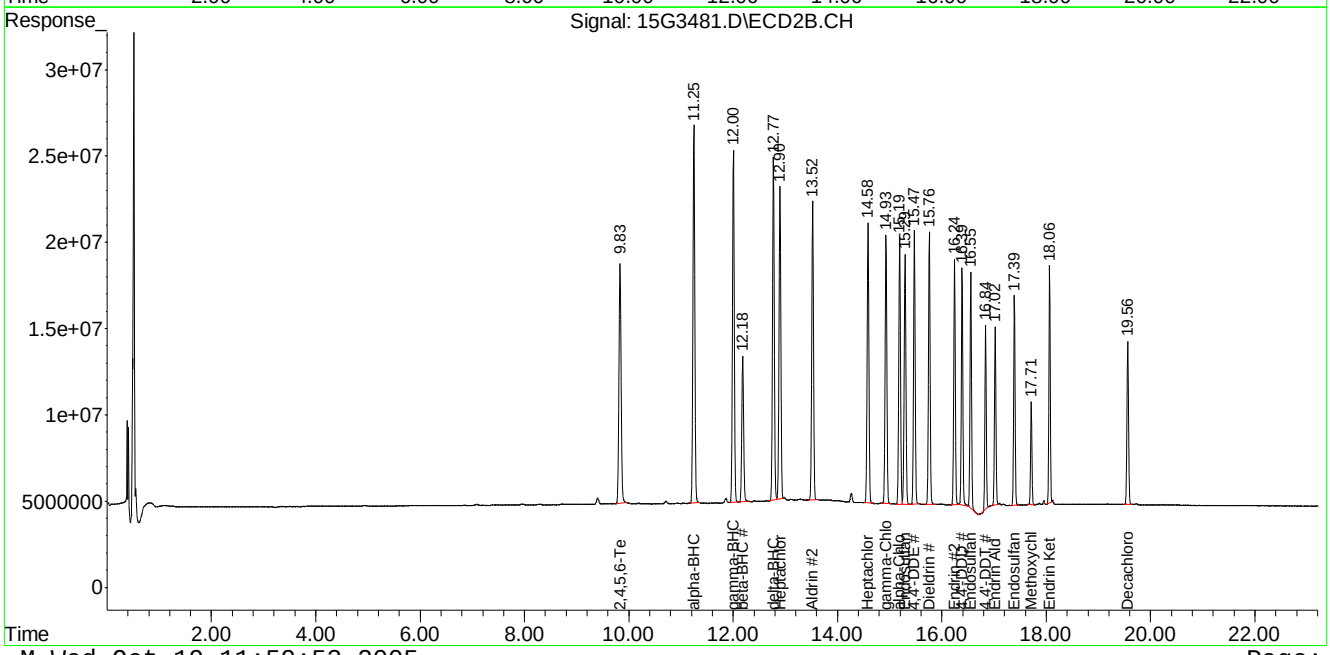
Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\101905\
Data File : 15G3481.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Oct 2005 10:58 (#1); 19 Oct 2005 11:25 (#2)
Operator : ECL
Sample : WG198970-02 PEST CCV 20 PPB
Misc : 1,1 SOS75-31
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 19 11:51:06 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Tue Oct 04 10:14:22 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\101905\
Data File : 15G3486.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Oct 2005 13:52 (#1); 19 Oct 2005 14:20 (#2)
Operator : ECL
Sample : WG198970-04 PEST CCV 50 PPB
Misc : 1,1 SOS75-31
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 19 14:44:38 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Tue Oct 04 10:14:22 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.58	9.83	909.4E6	1010.4E6	57.125	57.463
	Spiked Amount 20.000 Range 30 - 132 Recovery =					285.63%#	287.32%#
22) S	Decachlorobiphen	18.97	19.56	601.2E6	475.5E6	59.680	52.371
	Spiked Amount 20.000 Range 36 - 144 Recovery =					298.40%#	261.86%#
	Target Compounds						
2)	alpha-BHC	10.97	11.24	1340.1E6	1414.2E6	62.315	62.175
3)	gamma-BHC	11.67	12.00	1217.3E6	1248.5E6	61.034	61.335
4)	beta-BHC	11.88	12.18	512.0E6	510.1E6	55.222	56.014
5)	Heptachlor	12.65	12.89	1131.7E6	1079.8E6	58.481	58.153
6)	delta-BHC	12.24	12.77	1281.1E6	1211.1E6	64.770	61.899
7)	Aldrin	13.23	13.52	1063.7E6	1034.4E6	60.041	61.562
8)	Heptachlor Epoxi	14.37	14.58	997.7E6	936.2E6	57.914	57.467
9)	gamma-Chlordane	14.59	14.93	1015.6E6	905.3E6	58.635	58.041
10)	alpha-Chlordane	14.83	15.19	985.3E6	879.4E6	57.685	57.412
11)	Endosulfan I	15.08	15.29	901.6E6	836.9E6	56.592	57.513
12)	4,4'-DDE	14.96	15.47	973.1E6	857.5E6	58.275	60.150
13)	Dieldrin	15.49	15.76	989.1E6	862.8E6	59.996	59.127
14)	Endrin	15.87	16.24	786.1E6	734.9E6	57.141	57.405
15)	4,4'-DDD	15.97	16.38	839.9E6	685.6E6	63.548	62.747
16)	Endosulfan II	16.23	16.55	829.9E6	677.5E6	60.901	57.506
17)	4,4'-DDT	16.39	16.84	639.7E6	497.0E6	49.430	52.691
18)	Endrin Aldehyde	16.84	17.02	615.1E6	489.0E6	57.517	53.224
19)	Endosulfan Sulfa	17.43	17.39	667.2E6	554.6E6	61.443	55.530
20)	Methoxychlor	17.06	17.71	316.0E6	248.8E6	48.074	46.800
21)	Endrin Ketone	17.79	18.06	805.4E6	618.6E6	62.575	57.390

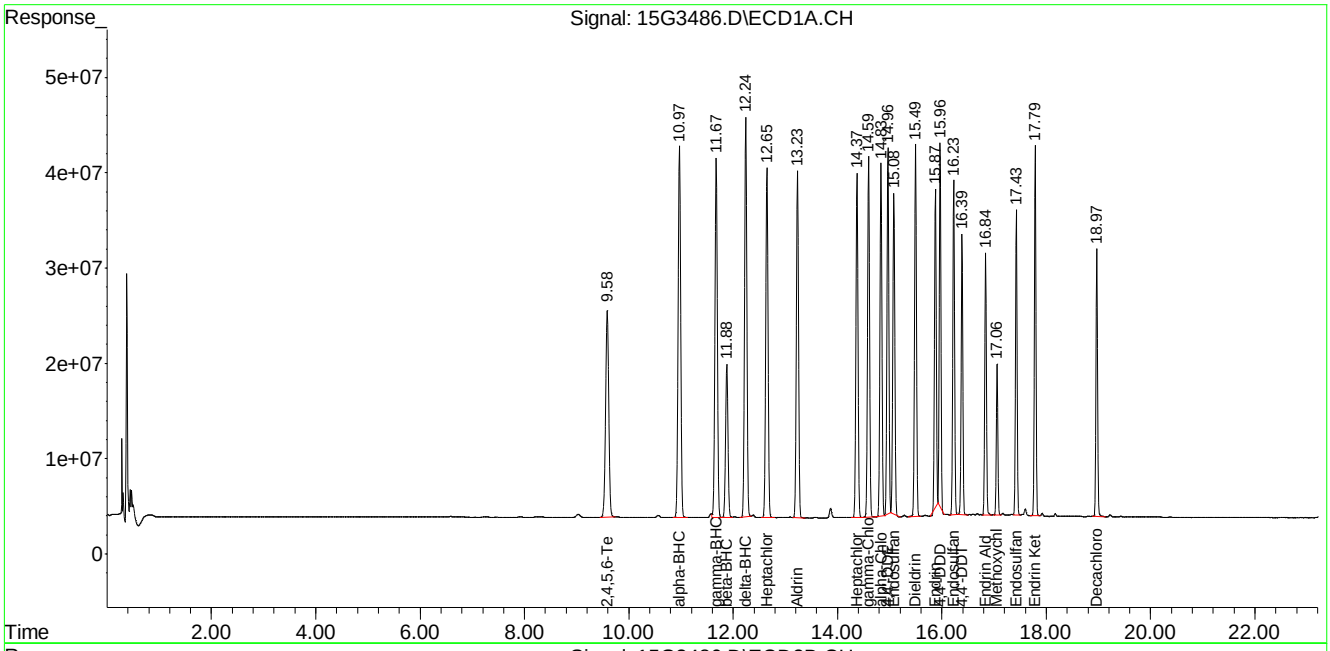
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

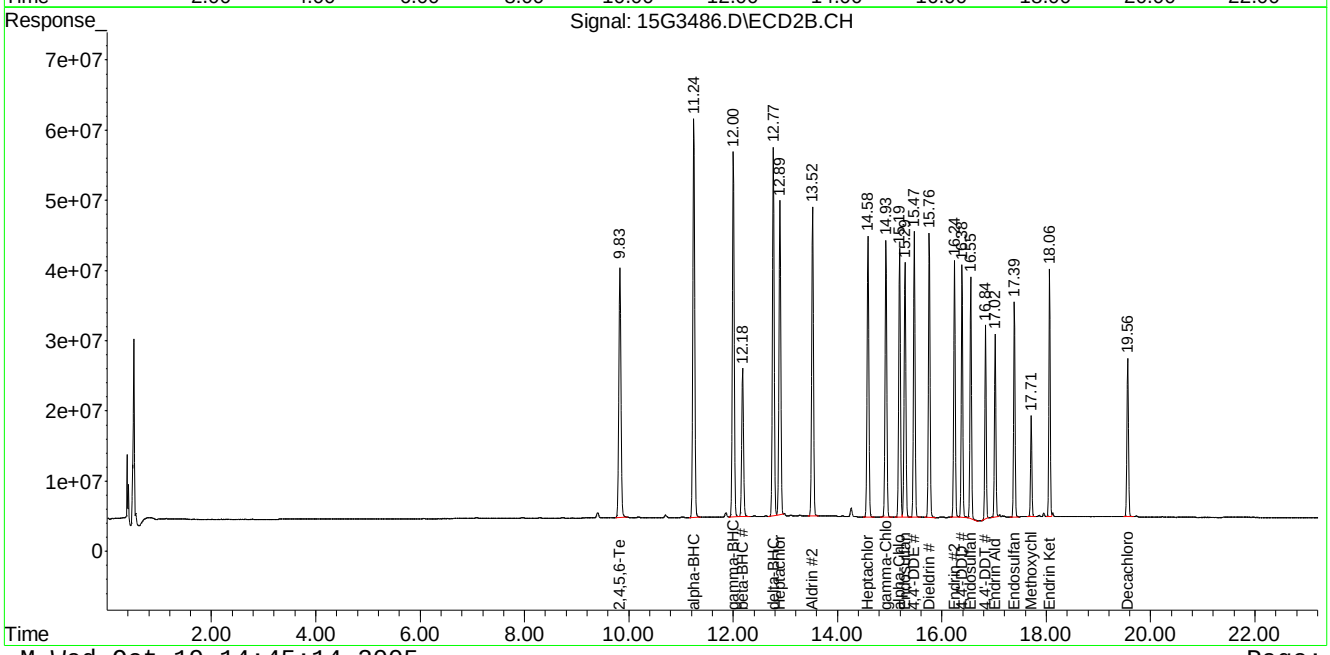
Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\101905\
Data File : 15G3486.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Oct 2005 13:52 (#1); 19 Oct 2005 14:20 (#2)
Operator : ECL
Sample : WG198970-04 PEST CCV 50 PPB
Misc : 1,1 SOS75-31
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 19 14:44:38 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Tue Oct 04 10:14:22 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\101905\
Data File : 15G3488.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Oct 2005 17:38 (#1); 19 Oct 2005 18:05 (#2)
Operator : ECL
Sample : WG198970-02 PEST CCV 20 PPB
Misc : 1,1 SOS75-31
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 08:14:12 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Tue Oct 04 10:14:22 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L	
	System Monitoring Compounds							
1) S	2,4,5,6-Tetrachl	9.57f	9.83	290.3E6	367.8E6	18.235	20.918	
	Spiked Amount 20.000 Range 29 - 133 Recovery =					91.17%	104.59%	
22) S	Decachlorobiphen	18.96	19.57	231.5E6	200.2E6	22.982	22.054	
	Spiked Amount 20.000 Range 30 - 173 Recovery =					114.91%	110.27%	
	Target Compounds							
2)	alpha-BHC	10.96	11.25	384.1E6	492.3E6	17.859	21.645	
3)	gamma-BHC	11.66	12.01	351.0E6	421.4E6	17.600	20.704	
4)	beta-BHC	11.87	12.18	150.5E6	185.8E6	16.233	20.406	#
5)	Heptachlor	12.64	12.90	351.1E6	418.3E6	18.144	22.529	
6)	delta-BHC	12.23	12.77	334.0E6	421.0E6	16.886	21.519	#
7)	Aldrin	13.22	13.53	312.2E6	361.7E6	17.622	21.525	
8)	Heptachlor Epoxi	14.36	14.59	309.9E6	345.5E6	17.991	21.209	
9)	gamma-Chlordane	14.59	14.93	291.9E6	329.2E6	16.854	21.105	#
10)	alpha-Chlordane	14.83	15.19	377.2E6	352.2E6	22.083	22.993	
11)	Endosulfan I	15.07	15.30	289.1E6	311.2E6	18.147	21.385	
12)	4,4'-DDE	14.96	15.47	316.2E6	310.0E6	18.933	21.746	
13)	Dieldrin	15.49	15.76	312.0E6	323.7E6	18.924	22.181	
14)	Endrin	15.87	16.25	283.3E6	280.8E6	20.589	21.933	
15)	4,4'-DDD	15.96	16.39	247.5E6	236.1E6	18.730	21.609	
16)	Endosulfan II	16.22	16.56	269.0E6	254.1E6	19.739	21.570	
17)	4,4'-DDT	16.38	16.84	259.6E6	228.2E6	20.059	24.190	
18)	Endrin Aldehyde	16.83	17.02	213.4E6	194.3E6	19.956	21.151	
19)	Endosulfan Sulfa	17.42	17.39	232.3E6	215.2E6	21.395	21.543	
20)	Methoxychlor	17.05	17.72	143.4E6	118.8E6	21.812	22.357	
21)	Endrin Ketone	17.78	18.07	285.5E6	245.3E6	22.184	22.756	

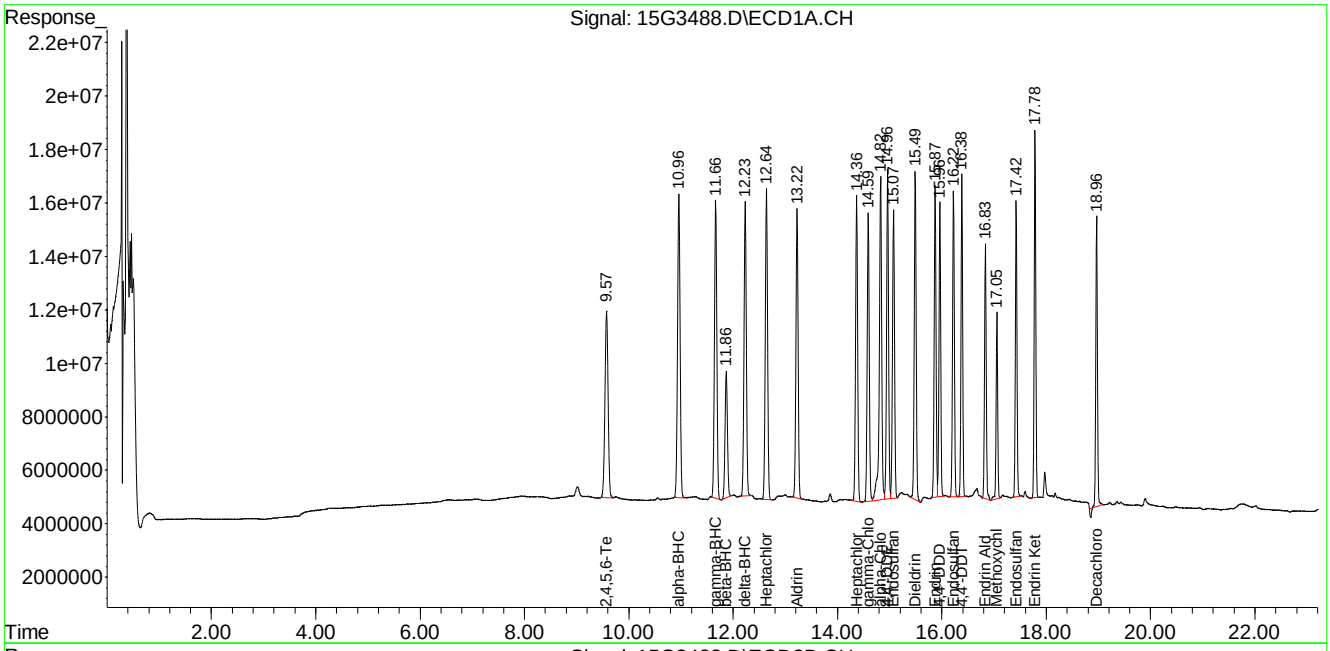
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

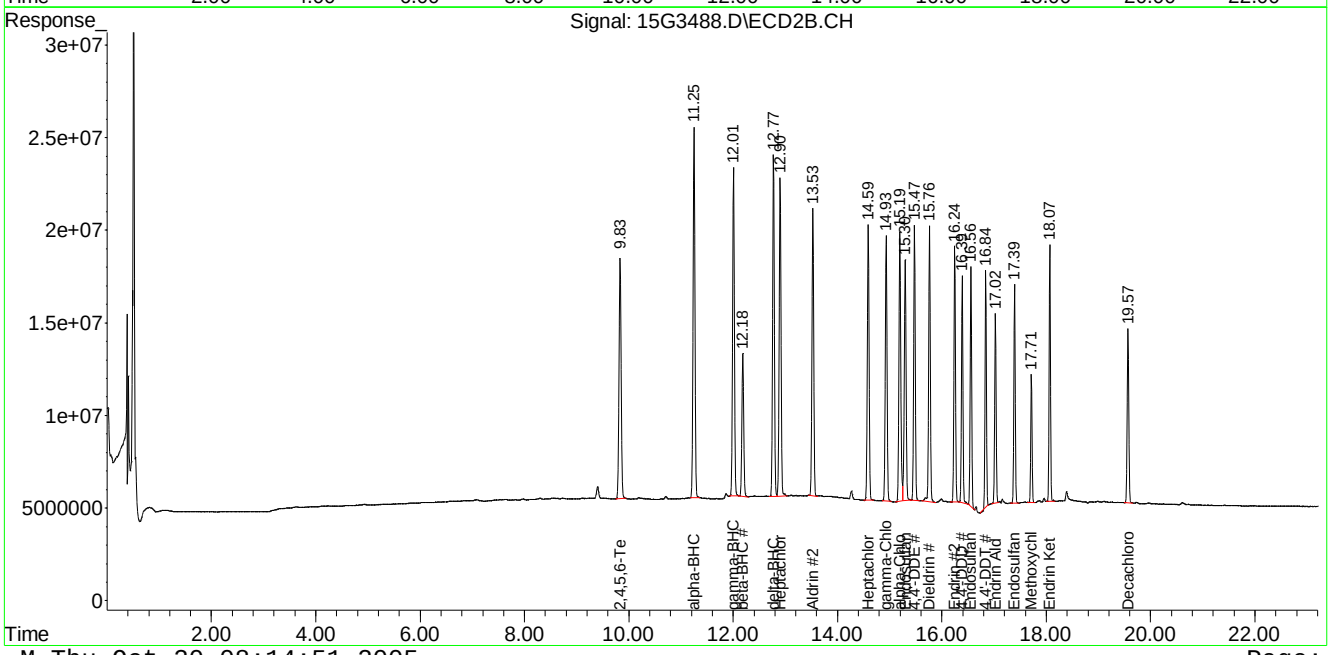
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\101905\
Data File : 15G3488.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Oct 2005 17:38 (#1); 19 Oct 2005 18:05 (#2)
Operator : ECL
Sample : WG198970-02 PEST CCV 20 PPB
Misc : 1,1 SOS75-31
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 08:14:12 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Tue Oct 04 10:14:22 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\101905\
Data File : 15G3493.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Oct 2005 19:56 (#1); 19 Oct 2005 20:24 (#2)
Operator : ECL
Sample : WG198970-04 PEST CCV 50 PPB
Misc : 1,1 SOS75-31
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 08:20:16 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Thu Oct 20 08:18:06 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.58	9.83	864.5E6	1036.5E6	54.300	58.948
	Spiked Amount 20.000 Range 30 - 132 Recovery =					271.50%#	294.74%#
22) S	Decachlorobiphen	18.97	19.56	607.4E6	500.0E6	60.293	55.065
	Spiked Amount 20.000 Range 36 - 144 Recovery =					301.47%#	275.32%#
	Target Compounds						
2)	alpha-BHC	10.97	11.24	1228.6E6	1451.1E6	57.132	63.798
3)	gamma-BHC	11.67	12.00	1123.8E6	1277.8E6	56.350	62.777
4)	beta-BHC	11.88	12.18	462.8E6	521.8E6	49.918	57.300
5)	Heptachlor	12.65	12.89	1078.5E6	1141.2E6	55.732	61.457
6)	delta-BHC	12.24	12.77	1059.6E6	1232.2E6	53.570	62.977
7)	Aldrin	13.23	13.52	971.2E6	1059.8E6	54.819	63.071
8)	Heptachlor Epoxi	14.37	14.58	937.1E6	969.7E6	54.399	59.522
9)	gamma-Chlordane	14.59	14.93	905.5E6	936.3E6	52.281	60.028
10)	alpha-Chlordane	14.83	15.19	933.7E6	907.2E6	54.667	59.228
11)	Endosulfan I	15.08	15.29	869.7E6	860.5E6	54.590	59.135
12)	4,4'-DDE	14.97	15.47	947.2E6	867.0E6	56.724	56.785
13)	Dieldrin	15.49	15.76	938.0E6	894.8E6	56.900	61.322
14)	Endrin	15.87	16.24	847.2E6	786.7E6	61.584	61.450
15)	4,4'-DDD	15.97	16.38	754.8E6	664.5E6	57.114	60.810
16)	Endosulfan II	16.23	16.55	792.6E6	702.7E6	58.164	59.648
17)	4,4'-DDT	16.39	16.84	771.5E6	634.9E6	59.614	67.318
18)	Endrin Aldehyde	16.84	17.02	601.6E6	520.7E6	56.258	56.680
19)	Endosulfan Sulfa	17.43	17.39	645.4E6	578.9E6	59.436	57.964
20)	Methoxychlor	17.06	17.71	386.4E6	306.4E6	58.773	57.648
21)	Endrin Ketone	17.79	18.06	800.7E6	663.0E6	62.210	61.515

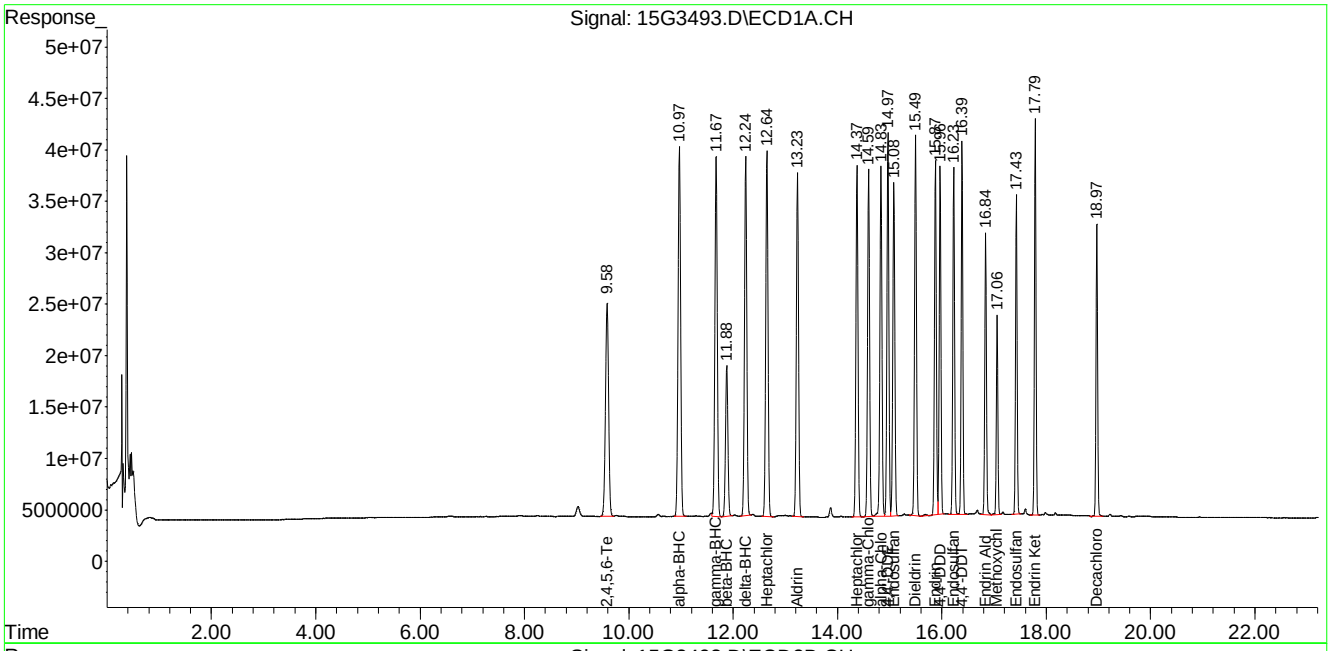
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

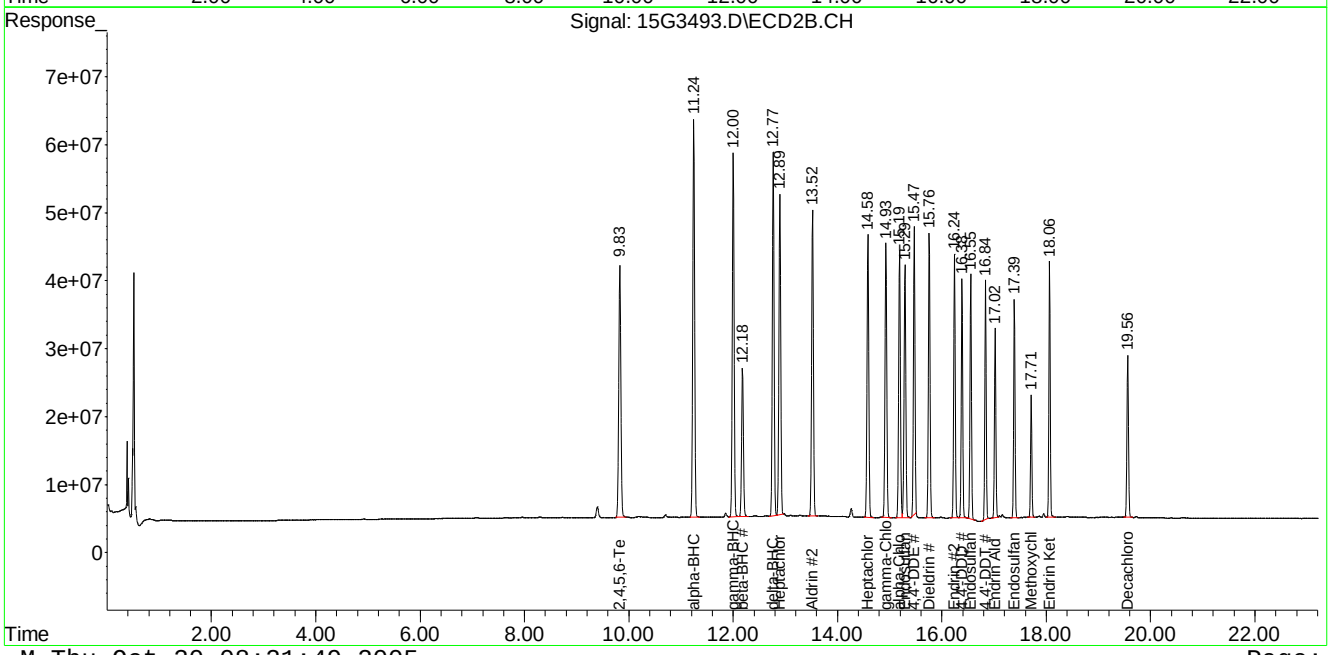
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\101905\
Data File : 15G3493.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Oct 2005 19:56 (#1); 19 Oct 2005 20:24 (#2)
Operator : ECL
Sample : WG198970-04 PEST CCV 50 PPB
Misc : 1,1 SOS75-31
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 08:20:16 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Thu Oct 20 08:18:06 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





RETENTION TIME WINDOWS

Lab Name: Kemron Environmental Services

Instrument ID: HP 15

GC Column: RTx-CLP (Front)

	STANDARD #1	STANDARD #2	STANDARD #3
Date Run	12/1/04	12/2/04	12/3/04
File #	15G518	15G560	15G594

COMPOUND	STD #1 RT	STD #2 RT	STD #3 RT	RT WIN
alpha-BHC	11.08	11.09	11.08	0.017
gamma-BHC	11.79	11.79	11.79	0.000
beta-BHC	11.99	11.99	11.99	0.000
Heptachlor	12.77	12.77	12.76	0.017
delta-BHC	12.36	12.36	12.36	0.000
Aldrin	13.35	13.36	13.35	0.017
Heptachlor Epoxide	14.51	14.51	14.51	0.000
gamma-Chlordane	14.73	14.73	14.73	0.000
alpha-Chlordane	14.97	14.97	14.97	0.000
Endosulfan I	15.22	15.22	15.22	0.000
4,4'-DDE	15.10	15.10	15.10	0.000
Dieldrin	15.63	15.63	15.63	0.000
Endrin	16.01	16.01	16.01	0.000
4,4'-DDD	16.09	16.10	16.09	0.017
Endosulfan II	16.36	16.36	16.36	0.000
4,4'-DDT	16.51	16.51	16.51	0.000
Endrin Aldehyde	16.97	16.97	16.97	0.000
Endosulfan Sulfate	17.56	17.56	17.56	0.000
Methoxychlor	17.17	17.17	17.17	0.000
Endrin Ketone	17.92	17.92	17.92	0.000

RETENTION TIME WINDOWS

Lab Name: Kemron Environmental Services

Instrument ID: HP 15
GC Column: RTx-CLP II (Rear)

	STANDARD #1	STANDARD #2	STANDARD #3
Date Run	12/1/04	12/2/04	12/3/04
File #	15G518	15G560	15G594

COMPOUND	STD #1 RT	STD #2 RT	STD #3 RT	RT WIN
alpha-BHC	11.55	11.55	11.55	0.000
gamma-BHC	12.32	12.32	12.31	0.017
beta-BHC	12.49	12.49	12.48	0.017
Heptachlor	13.22	13.22	13.21	0.017
delta-BHC	13.08	13.08	13.08	0.000
Aldrin	13.85	13.85	13.85	0.000
Heptachlor Epoxide	14.92	14.92	14.92	0.000
gamma-Chlordane	15.27	15.26	15.26	0.017
alpha-Chlordane	15.52	15.52	15.52	0.000
Endosulfan I	15.63	15.63	15.62	0.017
4,4'-DDE	15.78	15.78	15.78	0.000
Dieldrin	16.07	16.07	16.07	0.000
Endrin	16.54	16.54	16.54	0.000
4,4'-DDD	16.66	16.66	16.66	0.000
Endosulfan II	16.84	16.84	16.84	0.000
4,4'-DDT	17.10	17.10	17.10	0.000
Endrin Aldehyde	17.30	17.30	17.30	0.000
Endosulfan Sulfate	17.65	17.65	17.65	0.000
Methoxychlor	17.96	17.96	17.95	0.017
Endrin Ketone	18.33	18.33	18.32	0.017

RETENTION TIME WINDOWS

Lab Name: Kemron Environmental Services

Instrument ID: HP 9

GC Column: RTx-CLP (Front)

	STANDARD #1	STANDARD #2	STANDARD #3
Date Run	7/12/05	7/13/05	7/15/05
File #	9G32386	9G32389	9G32410

COMPOUND	STD #1 RT	STD #2 RT	STD #3 RT	RT WIN
alpha-BHC	11.08	11.08	11.08	0.000
gamma-BHC	11.75	11.75	11.75	0.000
beta-BHC	11.95	11.95	11.95	0.000
Heptachlor	12.70	12.70	12.69	0.017
delta-BHC	12.30	12.30	12.30	0.000
Aldrin	13.27	13.26	13.26	0.017
Heptachlor Epoxide	14.38	14.38	14.38	0.000
gamma-Chlordane	14.60	14.60	14.60	0.000
alpha-Chlordane	14.84	14.83	14.83	0.017
Endosulfan I	15.08	15.07	15.07	0.017
4,4'-DDE	14.97	14.97	14.97	0.000
Dieldrin	15.49	15.49	15.49	0.000
Endrin	15.89	15.88	15.88	0.017
4,4'-DDD	15.99	15.99	15.99	0.000
Endosulfan II	16.25	16.25	16.24	0.017
4,4'-DDT	16.42	16.42	16.42	0.000
Endrin Aldehyde	16.87	16.87	16.87	0.000
Endosulfan Sulfate	17.47	17.47	17.47	0.000
Methoxychlor	17.12	17.12	17.12	0.000
Endrin Ketone	17.84	17.83	17.83	0.017

RETENTION TIME WINDOWS

Lab Name: Kemron Environmental Services

Instrument ID: HP 9
GC Column: RTx-CLP II (Rear)

	STANDARD #1	STANDARD #2	STANDARD #3
Date Run	7/12/05	7/13/05	7/15/05
File #	9G32386	9G32389	9G32410

COMPOUND	STD #1 RT	STD #2 RT	STD #3 RT	RT WIN
alpha-BHC	11.79	11.79	11.78	0.017
gamma-BHC	12.54	12.53	12.52	0.030
beta-BHC	12.71	12.70	12.69	0.030
Heptachlor	13.42	13.42	13.40	0.035
delta-BHC	13.29	13.29	13.28	0.017
Aldrin	14.04	14.04	14.03	0.017
Heptachlor Epoxide	15.09	15.09	15.08	0.017
gamma-Chlordane	15.43	15.43	15.42	0.017
alpha-Chlordane	15.69	15.69	15.68	0.017
Endosulfan I	15.79	15.79	15.78	0.017
4,4'-DDE	15.96	15.96	15.95	0.017
Dieldrin	16.25	16.24	16.23	0.030
Endrin	16.72	16.72	16.71	0.017
4,4'-DDD	16.85	16.85	16.84	0.017
Endosulfan II	17.02	17.02	17.01	0.017
4,4'-DDT	17.29	17.29	17.28	0.017
Endrin Aldehyde	17.48	17.47	17.47	0.017
Endosulfan Sulfate	17.84	17.83	17.82	0.030
Methoxychlor	18.15	18.15	18.14	0.017
Endrin Ketone	18.50	18.50	18.49	0.017

2.2.3.4 Raw QC Data

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\101405\9G32669.D\ECD1A.CH Vial: 1
Acq On : 14 Oct 2005 14:39 Operator: ECL
Sample : WG198688-01 ENDRIN/DDT Inst : HP9
Misc : 1,1 SOS76-03 Multiplr: 1.00
IntFile : autoint1.e

Data File : C:\HPCHEM\1\DATA\101405\9G32669.D\ECD2B.CH Vial: 1
Acq On : 14 Oct 2005 15:07 Operator: ECL
Sample : WG198688-01 ENDRIN/DDT Inst : HP9
Misc : 1,1 SOS76-03 Multiplr: 1.00
IntFile : autoint2.e
Quant Time: Oct 14 15:36 2005 Quant Results File: 8081.RES

Quant Method : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title : CALIBRATION October 13, 2005 @ 21:10
Last Update : Fri Oct 14 09:34:19 2005
Response via : Initial Calibration
DataAcq Meth : 8081.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L	
	System Monitoring Compounds							
1) S	2,4,5,6-Tetrachl	0.00	0.00	0	0	N.D.	N.D.	
	Spiked Amount 20.000 Range 20 - 180 Recovery =					0.00%#	0.00%#	
22) S	Decachlorobiphen	0.00	0.00	0	0	N.D.	N.D.	
	Spiked Amount 20.000 Range 25 - 140 Recovery =					0.00%#	0.00%#	
	Target Compounds							
2)	alpha-BHC	0.00	0.00	0	0	N.D.	N.D.	
3)	gamma-BHC	0.00	0.00	0	0	N.D.	N.D.	
4)	beta-BHC	0.00	0.00	0	0	N.D.	N.D.	
5)	Heptachlor	0.00	0.00	0	0	N.D.	N.D.	
6)	delta-BHC	0.00	0.00	0	0	N.D.	N.D.	
7)	Aldrin	0.00	0.00	0	0	N.D.	N.D.	
8)	Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.	
9)	gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.	
10)	alpha-Chlordane	0.00	0.00	0	0	N.D.	N.D.	
11)	Endosulfan I	0.00	0.00	0	0	N.D.	N.D.	
12)	4,4'-DDE	15.04	0.00	3087696	0	0.456	N.D.	#
13)	Dieldrin	0.00	0.00	0	0	N.D.	N.D.	
14)	Endrin	15.94	15.75	246.5E6	299.2E6	45.940	43.872	
15)	4,4'-DDD	16.03	15.94	11185780	37267645	2.086	5.429	#
16)	Endosulfan II	0.00	0.00	0	0	N.D.	N.D.	
17)	4,4'-DDT	16.46	16.43	239.7E6	227.8E6	42.307	38.461	
18)	Endrin Aldehyde	16.90	16.61	3280037	13713452	0.652	2.246	#
19)	Endosulfan Sulfa	0.00	0.00	0	0	N.D.	N.D.	
20)	Methoxychlor	0.00	0.00	0	0	N.D.	N.D.	
21)	Endrin Ketone	17.86	17.69	12918592	21949847	1.951	2.829	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

```
Data File : C:\HPCHEM\1\DATA\101405\9G32669.D\ECD1A.CH   Vial: 1
Acq On    : 14 Oct 2005  14:39                          Operator: ECL
Sample    : WG198688-01 ENDRIN/DDT                      Inst    : HP9
Misc      : 1,1 SOS76-03                                Multiplr: 1.00
IntFile   : autoint1.e

Data File : C:\HPCHEM\1\DATA\101405\9G32669.D\ECD2B.CH   Vial: 1
Acq On    : 14 Oct 2005  15:07                          Operator: ECL
Sample    : WG198688-01 ENDRIN/DDT                      Inst    : HP9
Misc      : 1,1 SOS76-03                                Multiplr: 1.00
IntFile   : autoint2.e
Quant Time: Oct 14 15:36 2005  Quant Results File: 8081.RES

Quant Method : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title        : CALIBRATION October 13, 2005 @ 21:10
Last Update  : Fri Oct 14 09:34:19 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8081.M

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
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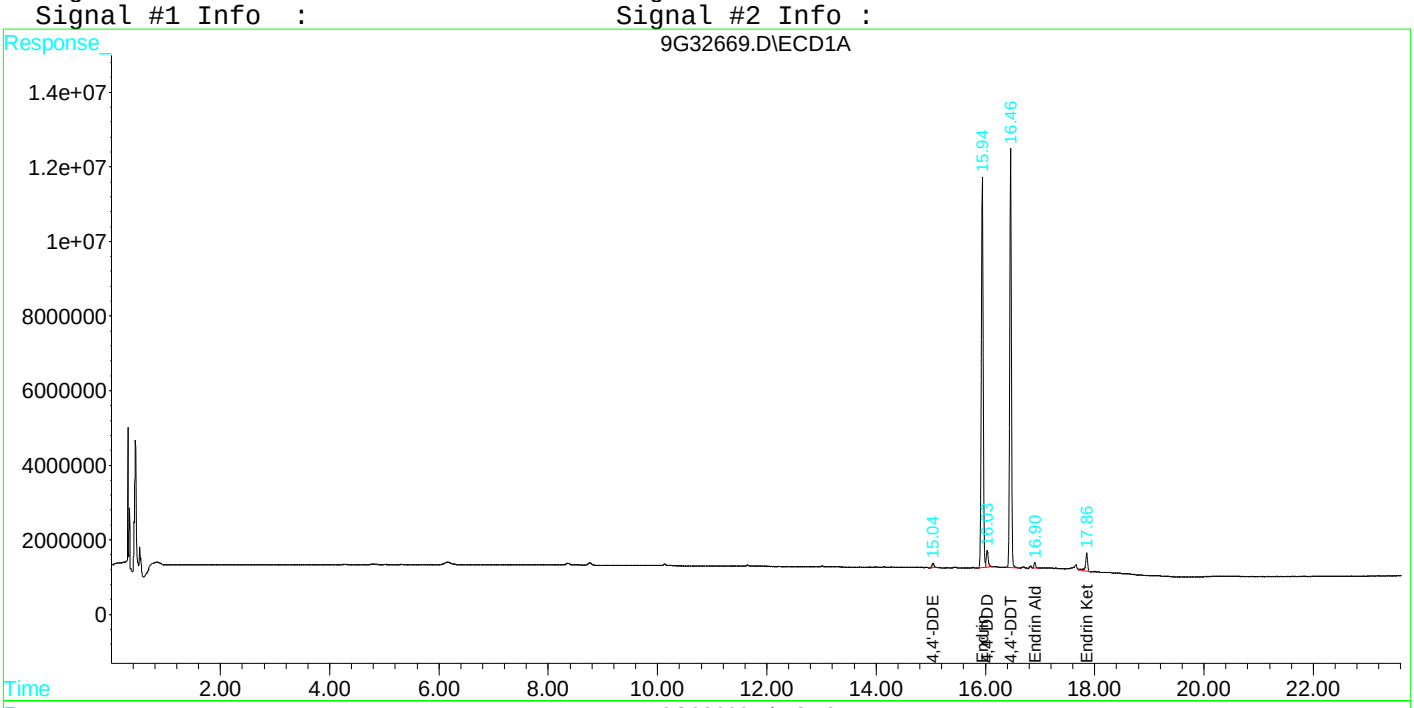
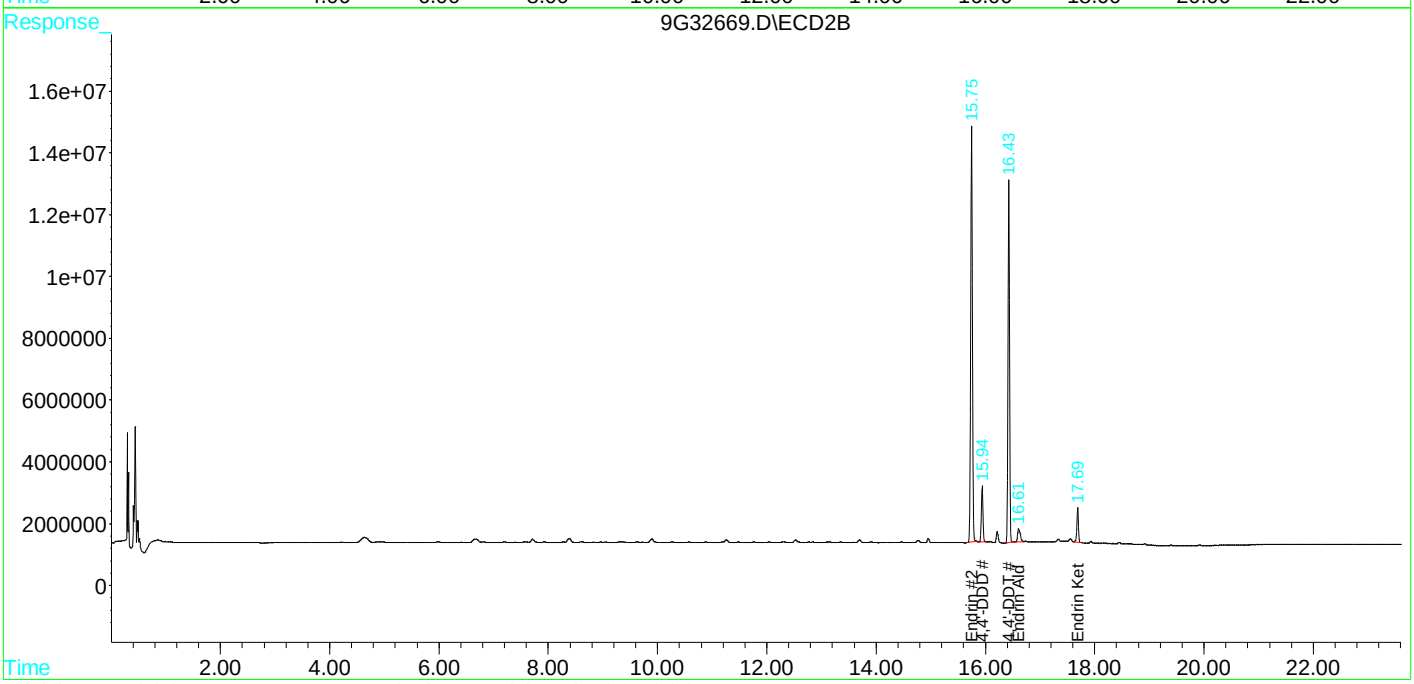




Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\101405\9G32679.D\ECD1A.CH Vial: 11
Acq On : 14 Oct 2005 19:20 Operator: ECL
Sample : WG198688-03 ENDRIN/DDT Inst : HP9
Misc : 1,1 SOS76-03 Multiplr: 1.00
IntFile : autoint1.e

Data File : C:\HPCHEM\1\DATA\101405\9G32679.D\ECD2B.CH Vial: 11
Acq On : 14 Oct 2005 19:48 Operator: ECL
Sample : WG198688-03 ENDRIN/DDT Inst : HP9
Misc : 1,1 SOS76-03 Multiplr: 1.00
IntFile : autoint2.e
Quant Time: Oct 17 8:10 2005 Quant Results File: 8081.RES

Quant Method : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title : CALIBRATION October 13, 2005 @ 21:10
Last Update : Mon Oct 17 08:09:30 2005
Response via : Initial Calibration
DataAcq Meth : 8081.M

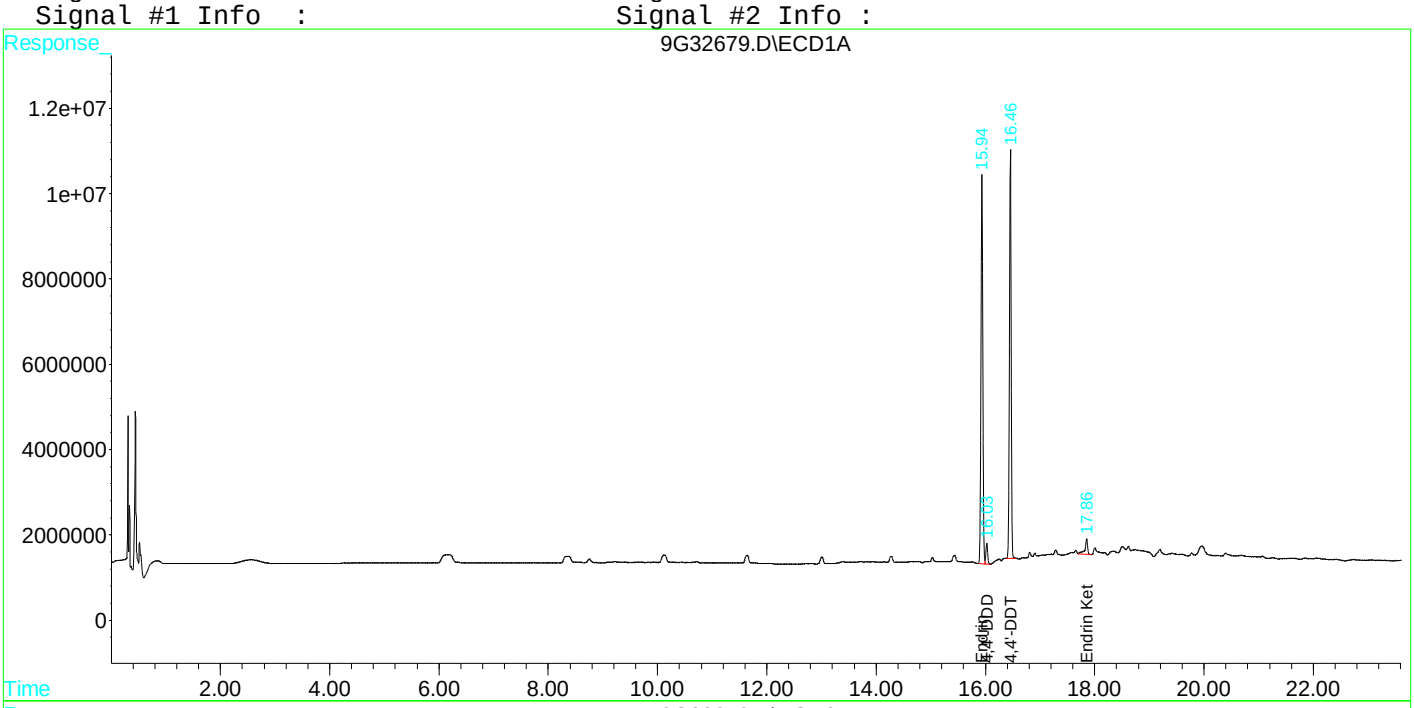
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

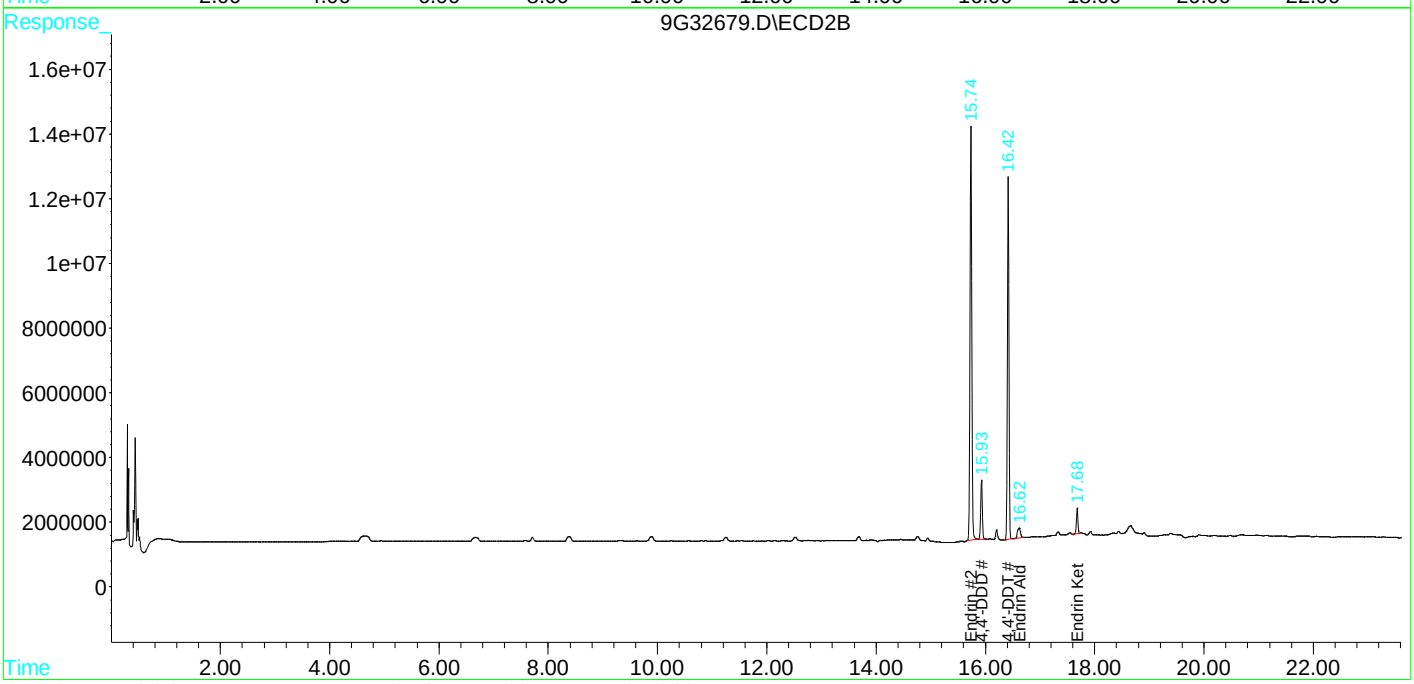
	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	0.00	0.00	0	0	N.D.	N.D.
	Spiked Amount 20.000 Range 20 - 180 Recovery =					0.00%#	0.00%#
22) S	Decachlorobiphen	0.00	0.00	0	0	N.D.	N.D.
	Spiked Amount 20.000 Range 25 - 140 Recovery =					0.00%#	0.00%#
	Target Compounds						
2)	alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)	gamma-BHC	0.00	0.00	0	0	N.D.	N.D.
4)	beta-BHC	0.00	0.00	0	0	N.D.	N.D.
5)	Heptachlor	0.00	0.00	0	0	N.D.	N.D.
6)	delta-BHC	0.00	0.00	0	0	N.D.	N.D.
7)	Aldrin	0.00	0.00	0	0	N.D.	N.D.
8)	Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.
9)	gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.
10)	alpha-Chlordane	0.00	0.00	0	0	N.D.	N.D.
11)	Endosulfan I	0.00	0.00	0	0	N.D.	N.D.
12)	4,4'-DDE	0.00	0.00	0	0	N.D.	N.D.
13)	Dieldrin	0.00	0.00	0	0	N.D.	N.D.
14)	Endrin	15.94	15.74f	211.3E6	285.9E6	39.383	41.914
15)	4,4'-DDD	16.03	15.93f	11090729	37439670	2.068	5.454 #
16)	Endosulfan II	0.00	0.00	0	0	N.D.	N.D.
17)	4,4'-DDT	16.46	16.42	206.4E6	215.3E6	36.417	36.347
18)	Endrin Aldehyde	0.00	16.62	0	11814749	N.D.	1.935 #
19)	Endosulfan Sulfa	0.00	0.00	0	0	N.D.	N.D.
20)	Methoxychlor	0.00	0.00	0	0	N.D.	N.D.
21)	Endrin Ketone	17.86	17.68	12283128	14984096	1.855	1.931

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

```
Data File : C:\HPCHEM\1\DATA\101405\9G32679.D\ECD1A.CH   Vial: 11
Acq On    : 14 Oct 2005  19:20                          Operator: ECL
Sample    : WG198688-03 ENDRIN/DDT                      Inst    : HP9
Misc      : 1,1 SOS76-03                                Multiplr: 1.00
IntFile   : autoint1.e

Data File : C:\HPCHEM\1\DATA\101405\9G32679.D\ECD2B.CH   Vial: 11
Acq On    : 14 Oct 2005  19:48                          Operator: ECL
Sample    : WG198688-03 ENDRIN/DDT                      Inst    : HP9
Misc      : 1,1 SOS76-03                                Multiplr: 1.00
IntFile   : autoint2.e
Quant Time: Oct 17  8:10 2005  Quant Results File: 8081.RES

Quant Method : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title        : CALIBRATION October 13, 2005 @ 21:10
Last Update  : Mon Oct 17 08:09:30 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8081.M

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```





Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\101905\
Data File : 15G3480.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Oct 2005 10:30 (#1); 19 Oct 2005 10:58 (#2)
Operator : ECL
Sample : WG198970-01 ENDRIN/DDT
Misc : 1,1 SOS76-03
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 19 11:25:15 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Tue Oct 04 10:14:22 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	0.00	0.00	0	0	N.D.	N.D.
	Spiked Amount 20.000 Range 30 - 132 Recovery =					0.00%#	0.00%#
22) S	Decachlorobiphen	0.00	0.00	0	0	N.D.	N.D.
	Spiked Amount 20.000 Range 36 - 144 Recovery =					0.00%#	0.00%#
	Target Compounds						
2)	alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)	gamma-BHC	0.00	0.00	0	0	N.D.	N.D.
4)	beta-BHC	0.00	0.00	0	0	N.D.	N.D.
5)	Heptachlor	0.00	0.00	0	0	N.D.	N.D.
6)	delta-BHC	0.00	0.00	0	0	N.D.	N.D.
7)	Aldrin	0.00	0.00	0	0	N.D.	N.D.
8)	Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.
9)	gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.
10)	alpha-Chlordane	0.00	0.00	0	0	N.D.	N.D.
11)	Endosulfan I	0.00	0.00	0	0	N.D.	N.D.
12)	4,4'-DDE	0.00	0.00	0	0	N.D.	N.D.
13)	Dieldrin	0.00	0.00	0	0	N.D.	N.D.
14)	Endrin	15.87	16.24	747.1E6	697.6E6	54.305	54.493
15)	4,4'-DDD	15.96	16.39	81350647	63230818	6.155	5.787
16)	Endosulfan II	0.00	0.00	0	0	N.D.	N.D.
17)	4,4'-DDT	16.38	16.84	528.7E6	452.3E6	40.856	47.959
18)	Endrin Aldehyde	0.00	17.01	0	10834135	N.D.	1.179 #
19)	Endosulfan Sulfa	0.00	0.00	0	0	N.D.	N.D.
20)	Methoxychlor	0.00	0.00	0	0	N.D.	N.D.
21)	Endrin Ketone	17.78	18.06	20074826	11487248	1.560	1.066 #

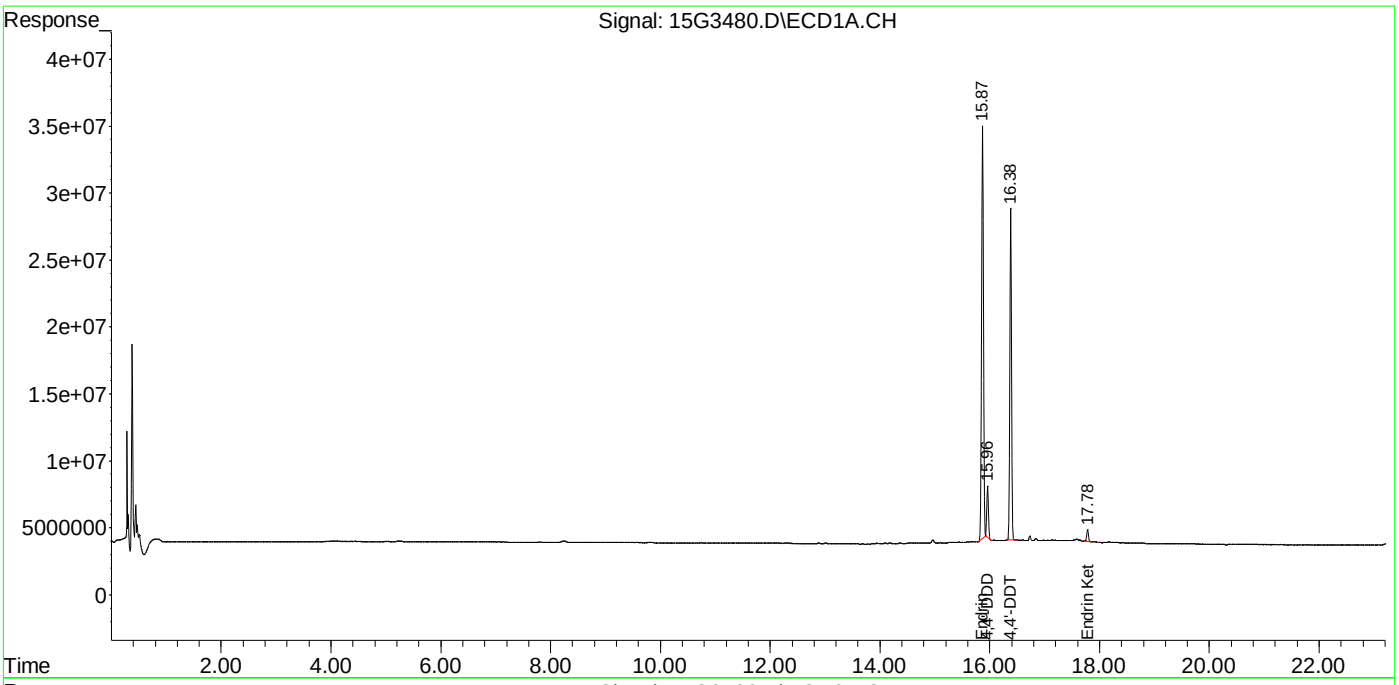
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

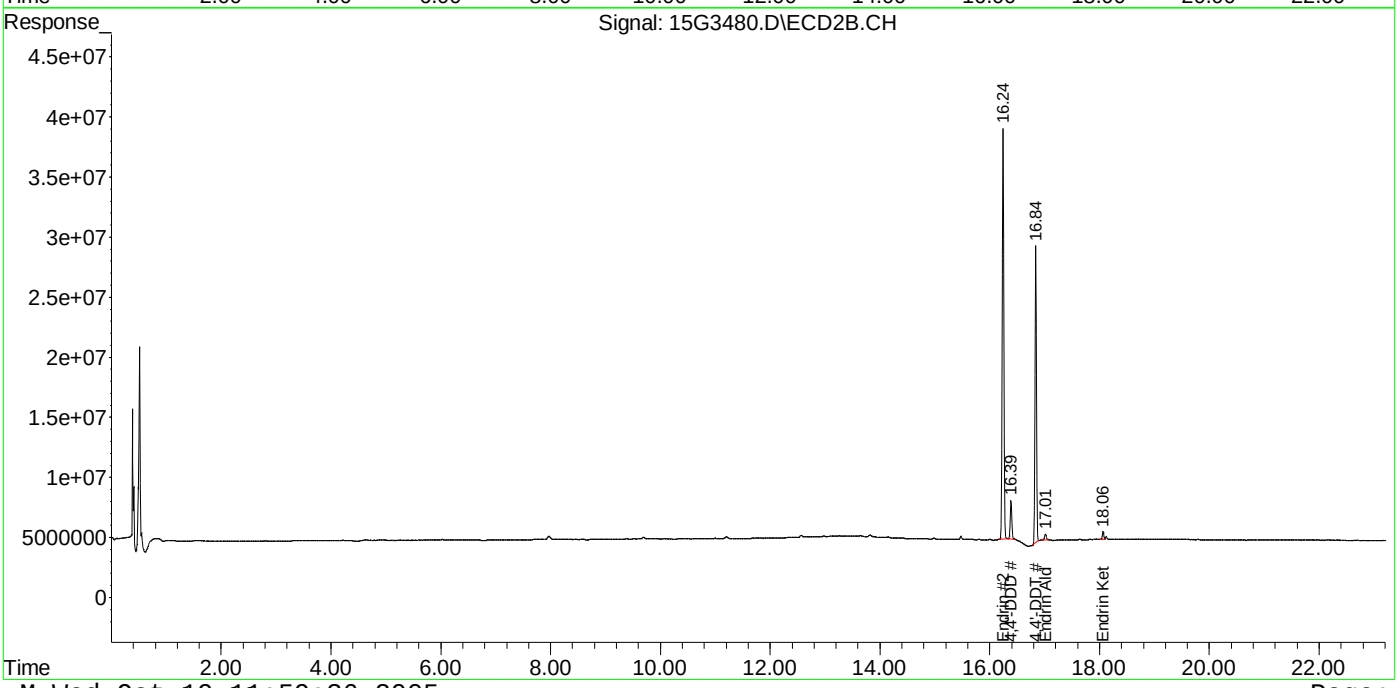
Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\101905\
Data File : 15G3480.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Oct 2005 10:30 (#1); 19 Oct 2005 10:58 (#2)
Operator : ECL
Sample : WG198970-01 ENDRIN/DDT
Misc : 1,1 SOS76-03
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 19 11:25:15 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Tue Oct 04 10:14:22 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\101905\
Data File : 15G3485.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Oct 2005 13:24 (#1); 19 Oct 2005 13:52 (#2)
Operator : ECL
Sample : WG198970-03 ENDRIN/DDT
Misc : 1,1 SOS76-03
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 19 14:43:50 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Tue Oct 04 10:14:22 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	0.00	0.00	0	0	N.D.	N.D.
	Spiked Amount 20.000 Range 30 - 132 Recovery =					0.00%#	0.00%#
22) S	Decachlorobiphen	0.00	0.00	0	0	N.D.	N.D.
	Spiked Amount 20.000 Range 36 - 144 Recovery =					0.00%#	0.00%#
	Target Compounds						
2)	alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)	gamma-BHC	0.00	0.00	0	0	N.D.	N.D.
4)	beta-BHC	0.00	0.00	0	0	N.D.	N.D.
5)	Heptachlor	0.00	0.00	0	0	N.D.	N.D.
6)	delta-BHC	0.00	0.00	0	0	N.D.	N.D.
7)	Aldrin	0.00	0.00	0	0	N.D.	N.D.
8)	Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.
9)	gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.
10)	alpha-Chlordane	0.00	0.00	0	0	N.D.	N.D.
11)	Endosulfan I	0.00	0.00	0	0	N.D.	N.D.
12)	4,4'-DDE	0.00	0.00	0	0	N.D.	N.D.
13)	Dieldrin	0.00	0.00	0	0	N.D.	N.D.
14)	Endrin	15.87	16.24	724.7E6	676.2E6	52.678	52.819
15)	4,4'-DDD	15.96	16.39	83955805	62271915	6.352	5.699
16)	Endosulfan II	0.00	0.00	0	0	N.D.	N.D.
17)	4,4'-DDT	16.39	16.84	475.8E6	428.7E6	36.766	45.453
18)	Endrin Aldehyde	0.00	17.01	0	16190732	N.D.	1.762 #
19)	Endosulfan Sulfa	0.00	0.00	0	0	N.D.	N.D.
20)	Methoxychlor	0.00	0.00	0	0	N.D.	N.D.
21)	Endrin Ketone	17.79	18.06	19289330	10185497	1.499	0.945 #

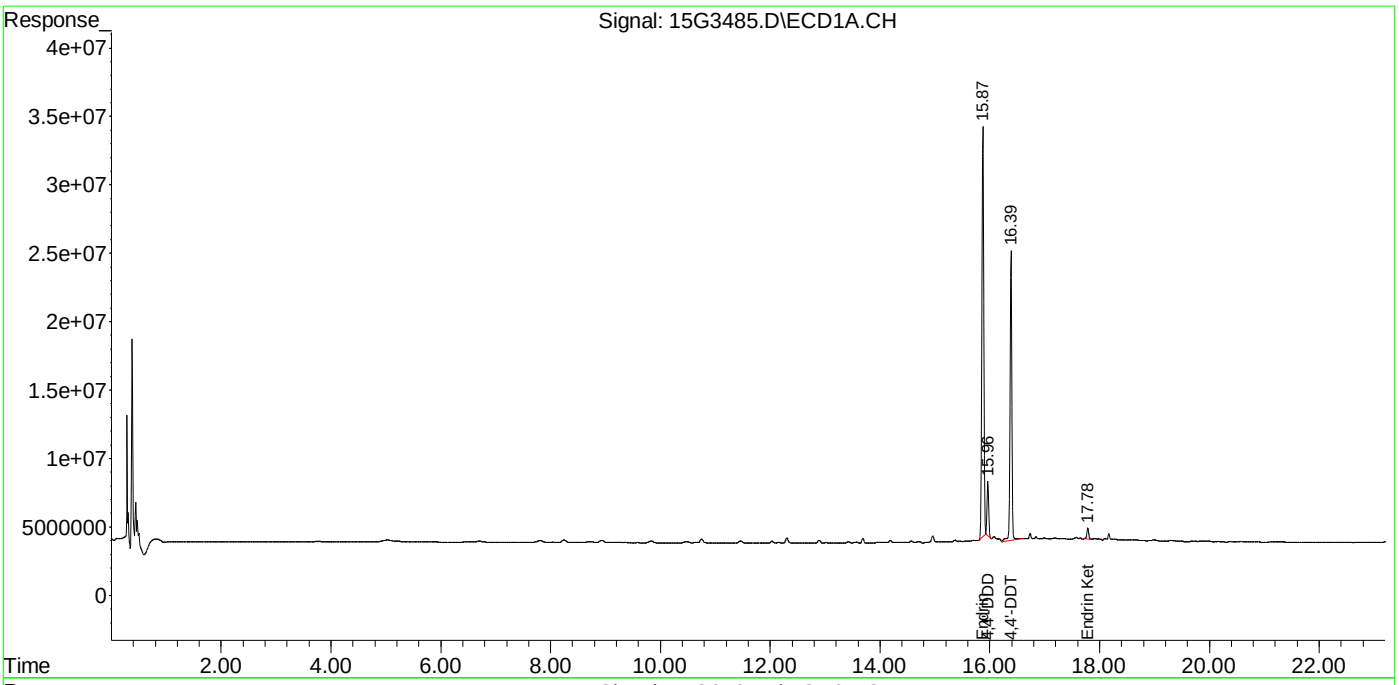
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

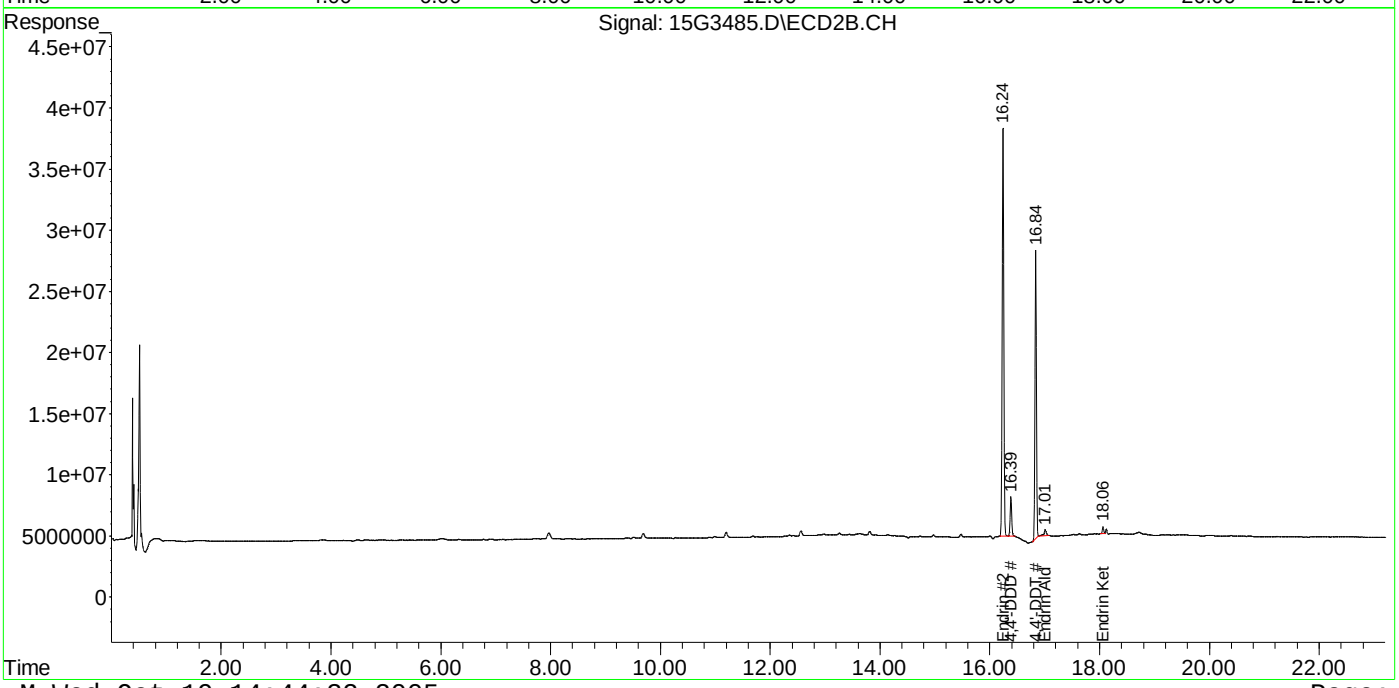
Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\101905\
Data File : 15G3485.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Oct 2005 13:24 (#1); 19 Oct 2005 13:52 (#2)
Operator : ECL
Sample : WG198970-03 ENDRIN/DDT
Misc : 1,1 SOS76-03
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 19 14:43:50 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Tue Oct 04 10:14:22 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\101905\
Data File : 15G3487.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Oct 2005 17:10 (#1); 19 Oct 2005 17:38 (#2)
Operator : ECL
Sample : WG198970-01 ENDRIN/DDT
Misc : 1,1 SOS76-03
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 08:13:51 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Tue Oct 04 10:14:22 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L	
	System Monitoring Compounds							
1) S	2,4,5,6-Tetrachl	0.00	0.00	0	0	N.D.	N.D.	
	Spiked Amount 20.000 Range 30 - 132			Recovery	=	0.00%#	0.00%#	
22) S	Decachlorobiphen	0.00	0.00	0	0	N.D.	N.D.	
	Spiked Amount 20.000 Range 36 - 144			Recovery	=	0.00%#	0.00%#	
	Target Compounds							
2)	alpha-BHC	0.00	0.00	0	0	N.D.	N.D.	
3)	gamma-BHC	0.00	0.00	0	0	N.D.	N.D.	
4)	beta-BHC	0.00	0.00	0	0	N.D.	N.D.	
5)	Heptachlor	0.00	0.00	0	0	N.D.	N.D.	
6)	delta-BHC	0.00	0.00	0	0	N.D.	N.D.	
7)	Aldrin	0.00	0.00	0	0	N.D.	N.D.	
8)	Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.	
9)	gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.	
10)	alpha-Chlordane	14.80f	0.00	73046876	0	4.277	N.D.	#
11)	Endosulfan I	0.00	0.00	0	0	N.D.	N.D.	
12)	4,4'-DDE	0.00	0.00	0	0	N.D.	N.D.	
13)	Dieldrin	0.00	0.00	0	0	N.D.	N.D.	
14)	Endrin	15.86	16.25	686.3E6	720.5E6	49.885	56.277	
15)	4,4'-DDD	0.00	0.00	0	0	N.D.	N.D.	
16)	Endosulfan II	0.00	0.00	0	0	N.D.	N.D.	
17)	4,4'-DDT	16.38	16.84	600.7E6	604.6E6	46.416	64.105	#
18)	Endrin Aldehyde	0.00	17.01	0	9738352	N.D.	1.060	#
19)	Endosulfan Sulfa	0.00	0.00	0	0	N.D.	N.D.	
20)	Methoxychlor	0.00	0.00	0	0	N.D.	N.D.	
21)	Endrin Ketone	0.00	0.00	0	0	N.D.	N.D.	

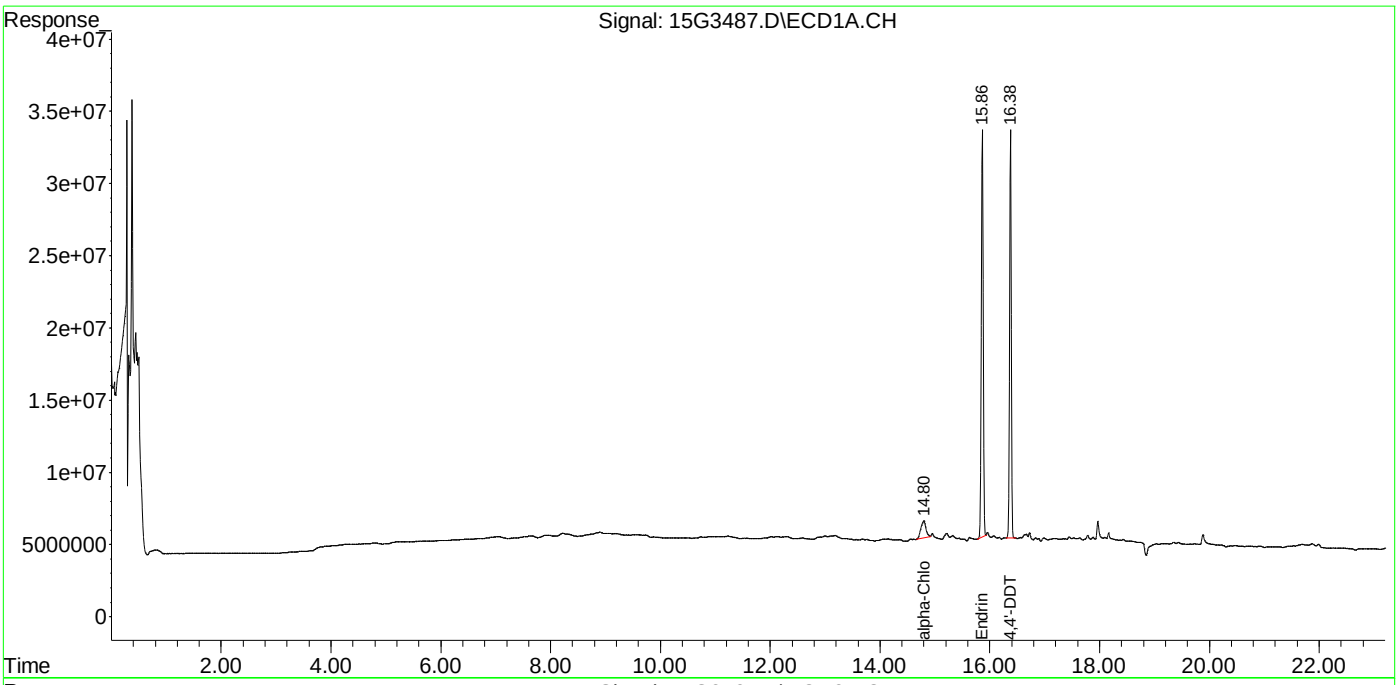
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

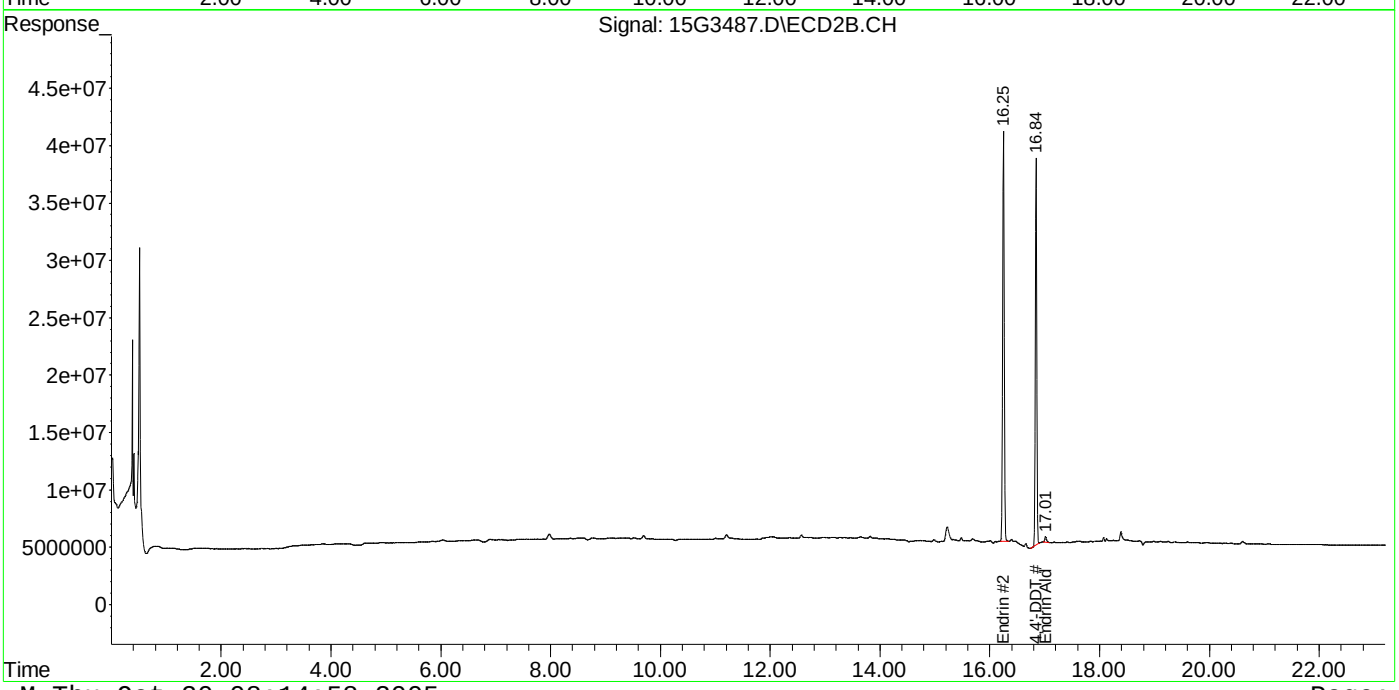
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\101905\
Data File : 15G3487.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Oct 2005 17:10 (#1); 19 Oct 2005 17:38 (#2)
Operator : ECL
Sample : WG198970-01 ENDRIN/DDT
Misc : 1,1 SOS76-03
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 08:13:51 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Tue Oct 04 10:14:22 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\101905\
Data File : 15G3492.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Oct 2005 19:29 (#1); 19 Oct 2005 19:56 (#2)
Operator : ECL
Sample : WG198970-03 ENDRIN/DDT
Misc : 1,1 SOS76-03
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 08:15:32 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Tue Oct 04 10:14:22 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	0.00	0.00	0	0	N.D.	N.D.
	Spiked Amount 20.000 Range 30 - 132			Recovery	=	0.00%#	0.00%#
22) S	Decachlorobiphen	0.00	0.00	0	0	N.D.	N.D.
	Spiked Amount 20.000 Range 36 - 144			Recovery	=	0.00%#	0.00%#
	Target Compounds						
2)	alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)	gamma-BHC	0.00	0.00	0	0	N.D.	N.D.
4)	beta-BHC	0.00	0.00	0	0	N.D.	N.D.
5)	Heptachlor	0.00	0.00	0	0	N.D.	N.D.
6)	delta-BHC	0.00	0.00	0	0	N.D.	N.D.
7)	Aldrin	0.00	0.00	0	0	N.D.	N.D.
8)	Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.
9)	gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.
10)	alpha-Chlordane	0.00	0.00	0	0	N.D.	N.D.
11)	Endosulfan I	0.00	0.00	0	0	N.D.	N.D.
12)	4,4'-DDE	0.00	0.00	0	0	N.D.	N.D.
13)	Dieldrin	0.00	0.00	0	0	N.D.	N.D.
14)	Endrin	15.87	16.24	781.3E6	763.8E6	56.795	59.663
15)	4,4'-DDD	15.96	16.39	10711692	12101385	0.810	1.107 #
16)	Endosulfan II	0.00	0.00	0	0	N.D.	N.D.
17)	4,4'-DDT	16.39	16.84	664.7E6	608.2E6	51.367	64.478 #
18)	Endrin Aldehyde	0.00	17.01	0	10270660	N.D.	1.118 #
19)	Endosulfan Sulfa	0.00	0.00	0	0	N.D.	N.D.
20)	Methoxychlor	0.00	0.00	0	0	N.D.	N.D.
21)	Endrin Ketone	0.00	0.00	0	0	N.D.	N.D.

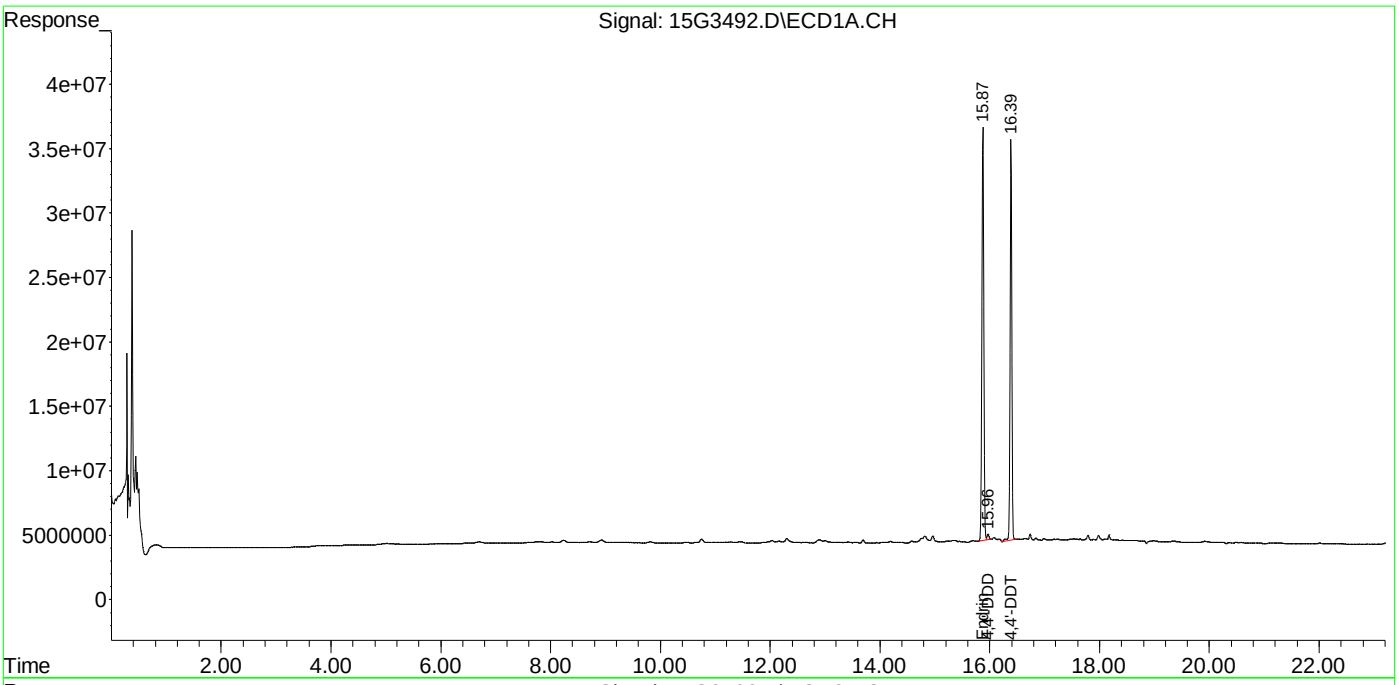
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

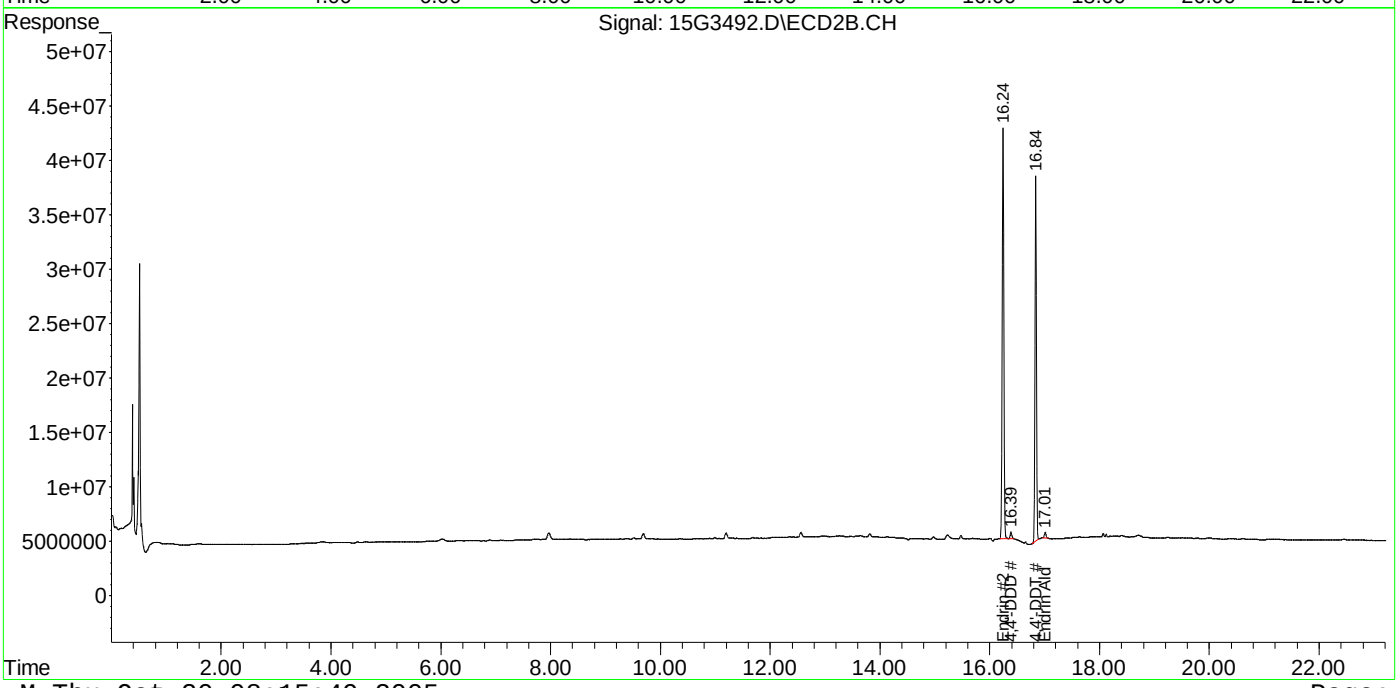
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\101905\
Data File : 15G3492.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Oct 2005 19:29 (#1); 19 Oct 2005 19:56 (#2)
Operator : ECL
Sample : WG198970-03 ENDRIN/DDT
Misc : 1,1 SOS76-03
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 08:15:32 2005
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : CALIBRATION October 3, 2005 @ 18:47
QLast Update : Tue Oct 04 10:14:22 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\101405\9G32672.D\ECD1A.CH Vial: 4
Acq On : 14 Oct 2005 16:03 Operator: ECL
Sample : WG198620-01 BLANK V250 P99 Inst : HP9
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : autoint1.e

Data File : C:\HPCHEM\1\DATA\101405\9G32672.D\ECD2B.CH Vial: 4
Acq On : 14 Oct 2005 16:31 Operator: ECL
Sample : WG198620-01 BLANK V250 P99 Inst : HP9
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : autoint2.e
Quant Time: Oct 17 8:24 2005 Quant Results File: 8081.RES

Quant Method : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title : CALIBRATION October 13, 2005 @ 21:10
Last Update : Fri Oct 14 09:34:19 2005
Response via : Initial Calibration
DataAcq Meth : 8081.M

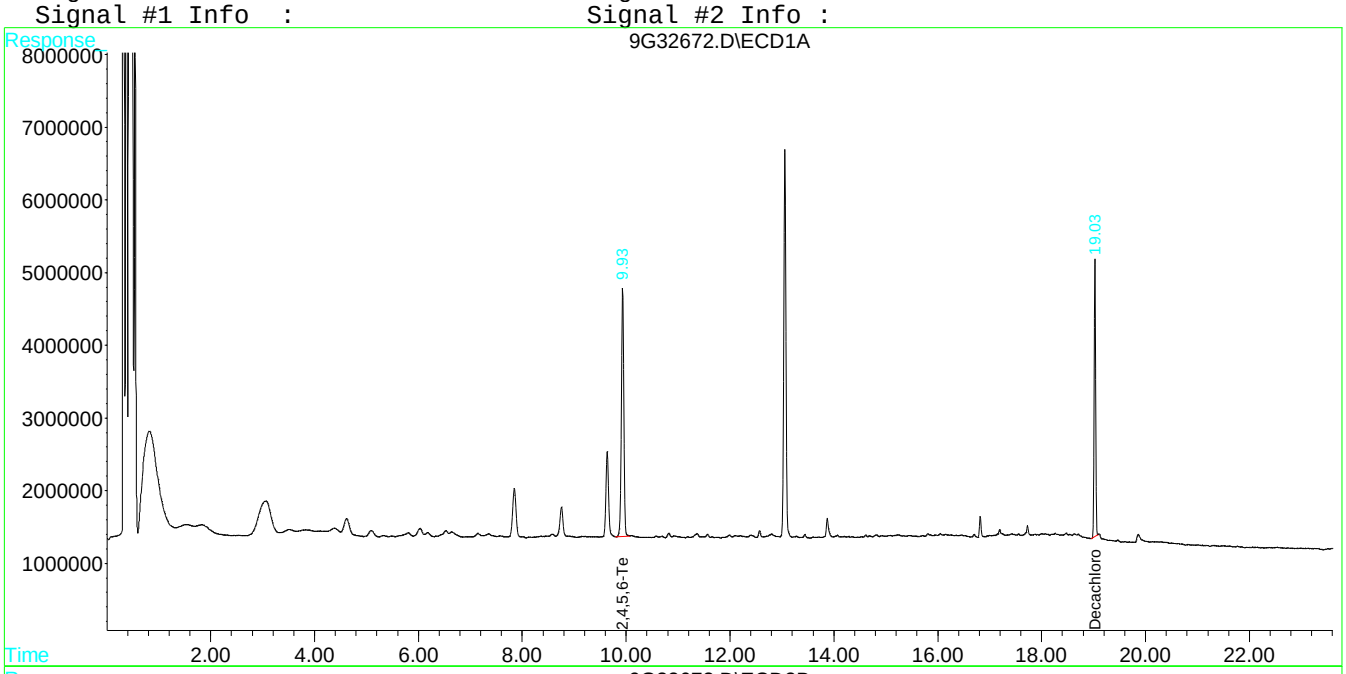
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

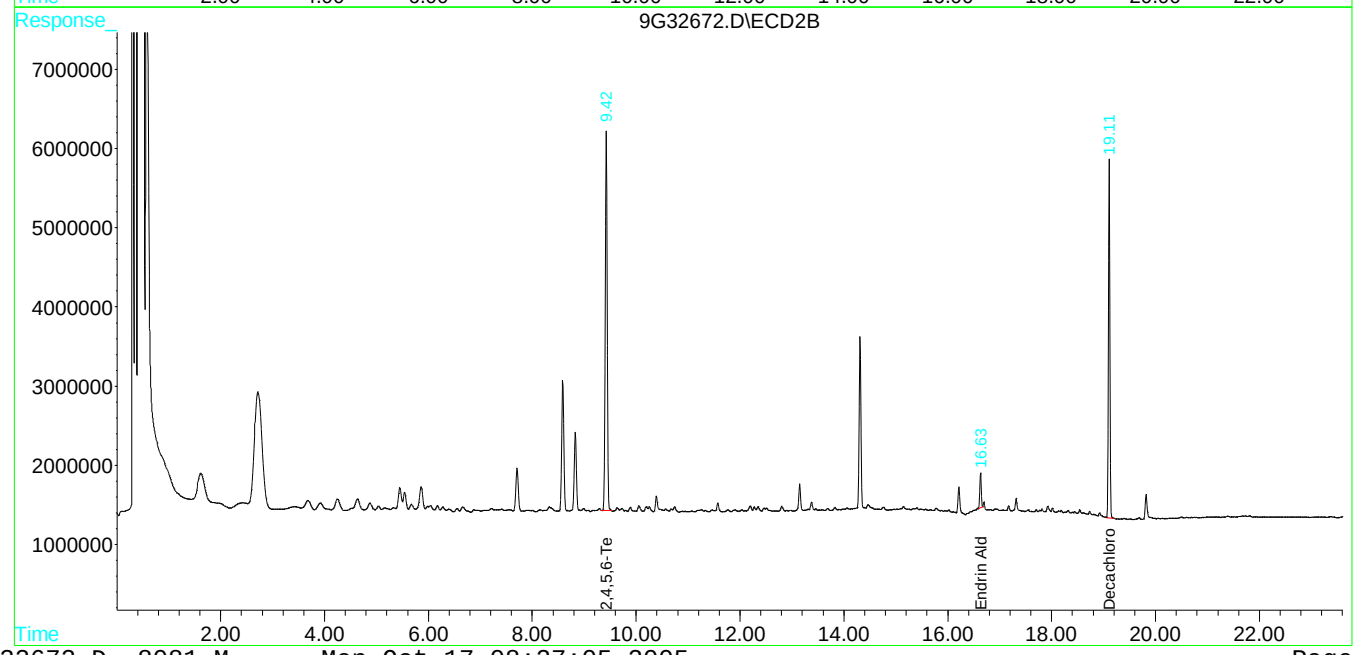
	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.93	9.42	110.2E6	124.4E6	14.082	14.013
	Spiked Amount 20.000 Range 39 - 130 Recovery =					70.41%	70.06%
22) S	Decachlorobiphen	19.03	19.11	76058542	85781760	15.906	16.531
	Spiked Amount 20.000 Range 33 - 143 Recovery =					79.53%	82.65%
	Target Compounds						
2)	alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)	gamma-BHC	0.00	0.00	0	0	N.D.	N.D.
4)	beta-BHC	0.00	0.00	0	0	N.D.	N.D.
5)	Heptachlor	0.00	0.00	0	0	N.D.	N.D.
6)	delta-BHC	0.00	0.00	0	0	N.D.	N.D.
7)	Aldrin	0.00	0.00	0	0	N.D.	N.D.
8)	Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.
9)	gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.
10)	alpha-Chlordane	0.00	0.00	0	0	N.D.	N.D.
11)	Endosulfan I	0.00	0.00	0	0	N.D.	N.D.
12)	4,4'-DDE	0.00	0.00	0	0	N.D.	N.D.
13)	Dieldrin	0.00	0.00	0	0	N.D.	N.D.
14)	Endrin	0.00	0.00	0	0	N.D.	N.D.
15)	4,4'-DDD	0.00	0.00	0	0	N.D.	N.D.
16)	Endosulfan II	0.00	0.00	0	0	N.D.	N.D.
17)	4,4'-DDT	0.00	0.00	0	0	N.D.	N.D.
18)	Endrin Aldehyde	0.00	16.63f	0	8470604	N.D.	1.388 #
19)	Endosulfan Sulfa	0.00	0.00	0	0	N.D.	N.D.
20)	Methoxychlor	0.00	0.00	0	0	N.D.	N.D.
21)	Endrin Ketone	0.00	0.00	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
9G32672.D 8081.M Mon Oct 17 08:27:04 2005 Page 1

Quantitation Report (Not Reviewed)

```
Data File : C:\HPCHEM\1\DATA\101405\9G32672.D\ECD1A.CH   Vial: 4
Acq On    : 14 Oct 2005  16:03                          Operator: ECL
Sample    : WG198620-01 BLANK V250 P99                  Inst    : HP9
Misc      : 7,1 SOIL                                    Multiplr: 1.00
IntFile   : autoint1.e

Data File : C:\HPCHEM\1\DATA\101405\9G32672.D\ECD2B.CH   Vial: 4
Acq On    : 14 Oct 2005  16:31                          Operator: ECL
Sample    : WG198620-01 BLANK V250 P99                  Inst    : HP9
Misc      : 7,1 SOIL                                    Multiplr: 1.00
IntFile   : autoint2.e
Quant Time: Oct 17  8:24 2005  Quant Results File: 8081.RES

Quant Method : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title        : CALIBRATION October 13, 2005 @ 21:10
Last Update  : Fri Oct 14 09:34:19 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8081.M

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```





Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\101405\9G32673.D\ECD1A.CH Vial: 5
Acq On : 14 Oct 2005 16:31 Operator: ECL
Sample : WG198620-02 LCS V250 P99 Inst : HP9
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : autoint1.e

Data File : C:\HPCHEM\1\DATA\101405\9G32673.D\ECD2B.CH Vial: 5
Acq On : 14 Oct 2005 16:59 Operator: ECL
Sample : WG198620-02 LCS V250 P99 Inst : HP9
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : autoint2.e
Quant Time: Oct 17 8:24 2005 Quant Results File: 8081.RES

Quant Method : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title : CALIBRATION October 13, 2005 @ 21:10
Last Update : Mon Oct 17 08:24:42 2005
Response via : Initial Calibration
DataAcq Meth : 8081.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.92	9.43	110.3E6	128.0E6	14.098	14.417
	Spiked Amount 20.000 Range 39 - 130 Recovery =					70.49%	72.08%
22) S	Decachlorobiphen	19.02	19.11	78122853	87564280	16.338	16.874
	Spiked Amount 20.000 Range 33 - 143 Recovery =					81.69%	84.37%
	Target Compounds						
2)	alpha-BHC	11.18	10.79	426.2E6	503.2E6	41.689	43.174
3)	gamma-BHC	11.84	11.53	396.1E6	473.2E6	41.653	43.330
4)	beta-BHC	12.03	11.71	167.0E6	201.5E6	38.736	39.073
5)	Heptachlor	12.79	12.39	347.0E6	428.2E6	40.930	43.475
6)	delta-BHC	12.38	12.28	375.5E6	469.3E6	42.350	42.816
7)	Aldrin	13.35	13.00	335.4E6	398.1E6	41.741	43.555
8)	Heptachlor Epoxi	14.45	14.05	316.8E6	375.2E6	40.450	42.091
9)	gamma-Chlordane	14.67	14.39	311.2E6	377.3E6	40.293	42.303
10)	alpha-Chlordane	14.90	14.65	308.4E6	372.9E6	40.122	41.916
11)	Endosulfan I	15.14	14.75	251.3E6	299.1E6	35.024	36.913
12)	4,4'-DDE	15.03	14.96	296.5E6	362.7E6	43.808	44.382
13)	Dieldrin	15.55	15.23	304.6E6	365.2E6	41.343	43.109
14)	Endrin	15.94	15.75	231.6E6	308.6E6	43.164	45.253
15)	4,4'-DDD	16.03	15.95	233.9E6	292.6E6	43.618	42.624
16)	Endosulfan II	16.30	16.10	226.2E6	276.9E6	36.947	37.588
17)	4,4'-DDT	16.46	16.43	242.6E6	271.9E6	42.812	45.909
18)	Endrin Aldehyde	16.90	16.61	178.5E6	207.0E6	35.487	33.907
19)	Endosulfan Sulfa	17.49	17.00	190.3E6	251.0E6	43.707	39.425
20)	Methoxychlor	17.15	17.38	123.7E6	150.1E6	43.084	46.268
21)	Endrin Ketone	17.86	17.69	260.1E6	305.4E6	39.273	39.358

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
9G32673.D 8081.M Mon Oct 17 08:27:07 2005 Page 1

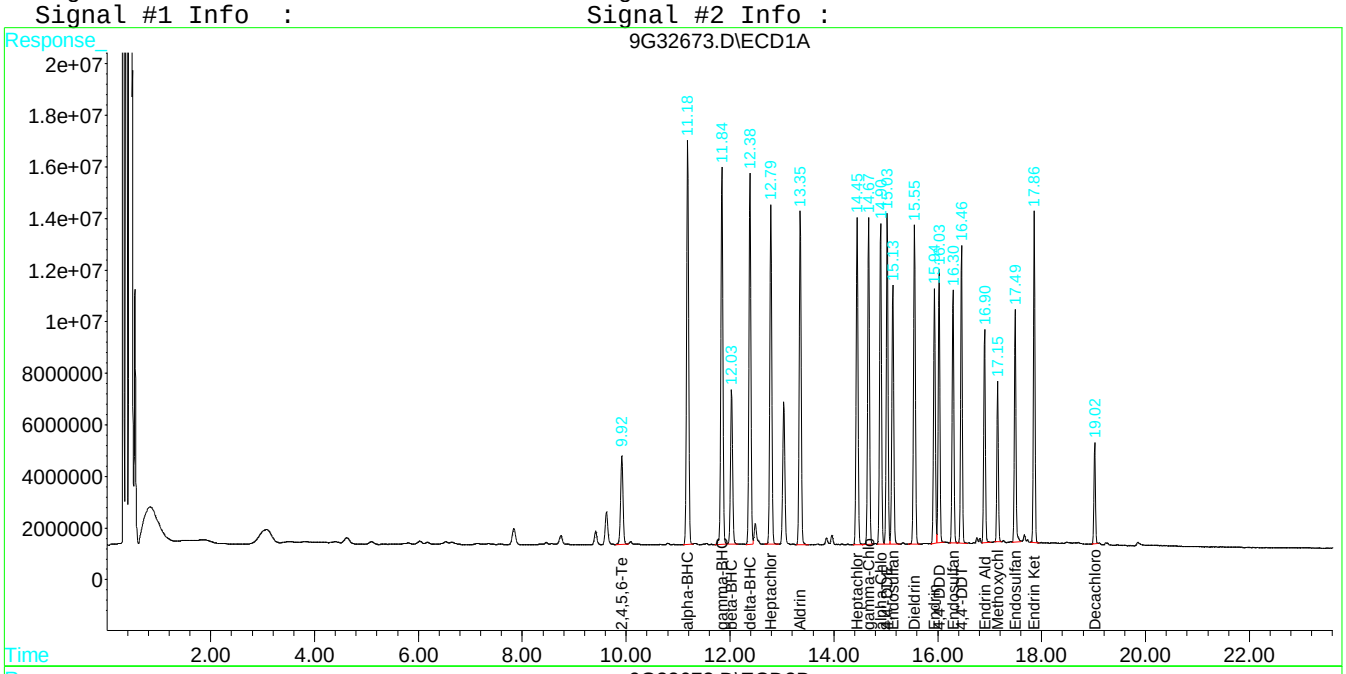
Quantitation Report (Not Reviewed)

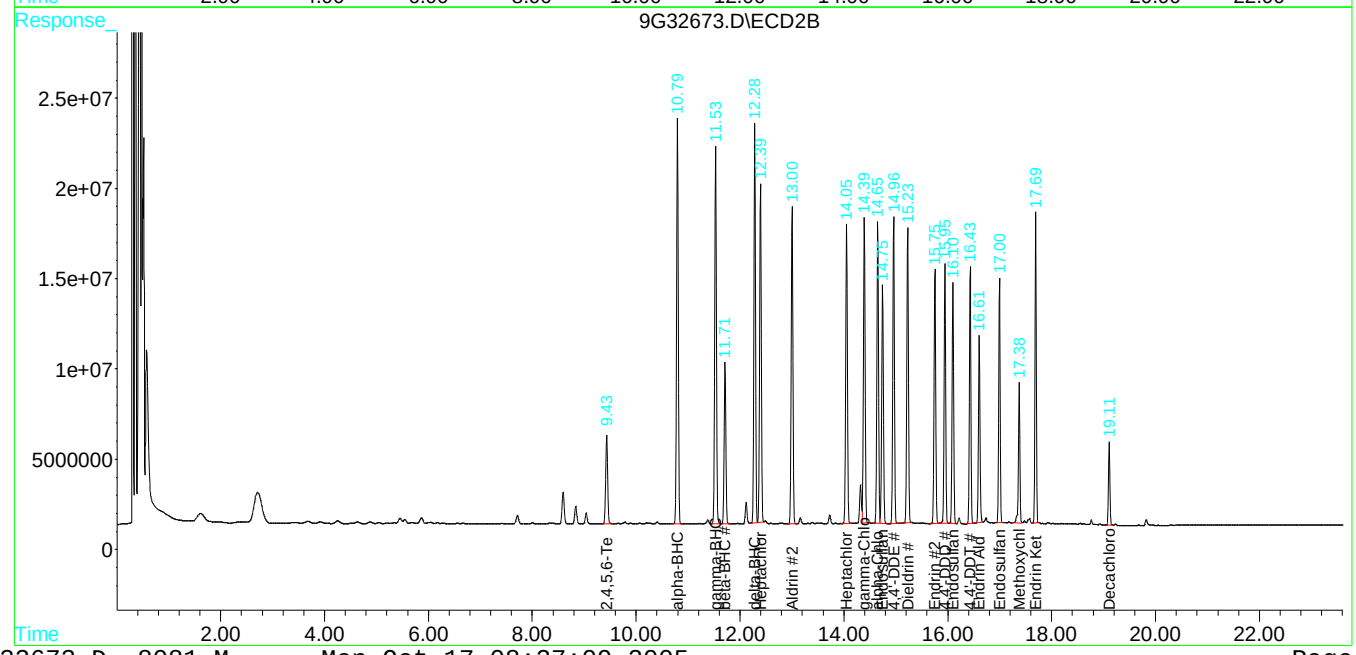
Data File : C:\HPCHEM\1\DATA\101405\9G32673.D\ECD1A.CH Vial: 5
Acq On : 14 Oct 2005 16:31 Operator: ECL
Sample : WG198620-02 LCS V250 P99 Inst : HP9
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : autoint1.e

Data File : C:\HPCHEM\1\DATA\101405\9G32673.D\ECD2B.CH Vial: 5
Acq On : 14 Oct 2005 16:59 Operator: ECL
Sample : WG198620-02 LCS V250 P99 Inst : HP9
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : autoint2.e
Quant Time: Oct 17 8:24 2005 Quant Results File: 8081.RES

Quant Method : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title : CALIBRATION October 13, 2005 @ 21:10
Last Update : Mon Oct 17 08:24:42 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8081.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\101405\9G32674.D\ECD1A.CH Vial: 6
Acq On : 14 Oct 2005 16:59 Operator: ECL
Sample : WG198620-03 LCS DUP V250 P99 Inst : HP9
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : autoint1.e

Data File : C:\HPCHEM\1\DATA\101405\9G32674.D\ECD2B.CH Vial: 6
Acq On : 14 Oct 2005 17:27 Operator: ECL
Sample : WG198620-03 LCS DUP V250 P99 Inst : HP9
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : autoint2.e
Quant Time: Oct 17 8:24 2005 Quant Results File: 8081.RES

Quant Method : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title : CALIBRATION October 13, 2005 @ 21:10
Last Update : Mon Oct 17 08:24:42 2005
Response via : Initial Calibration
DataAcq Meth : 8081.M

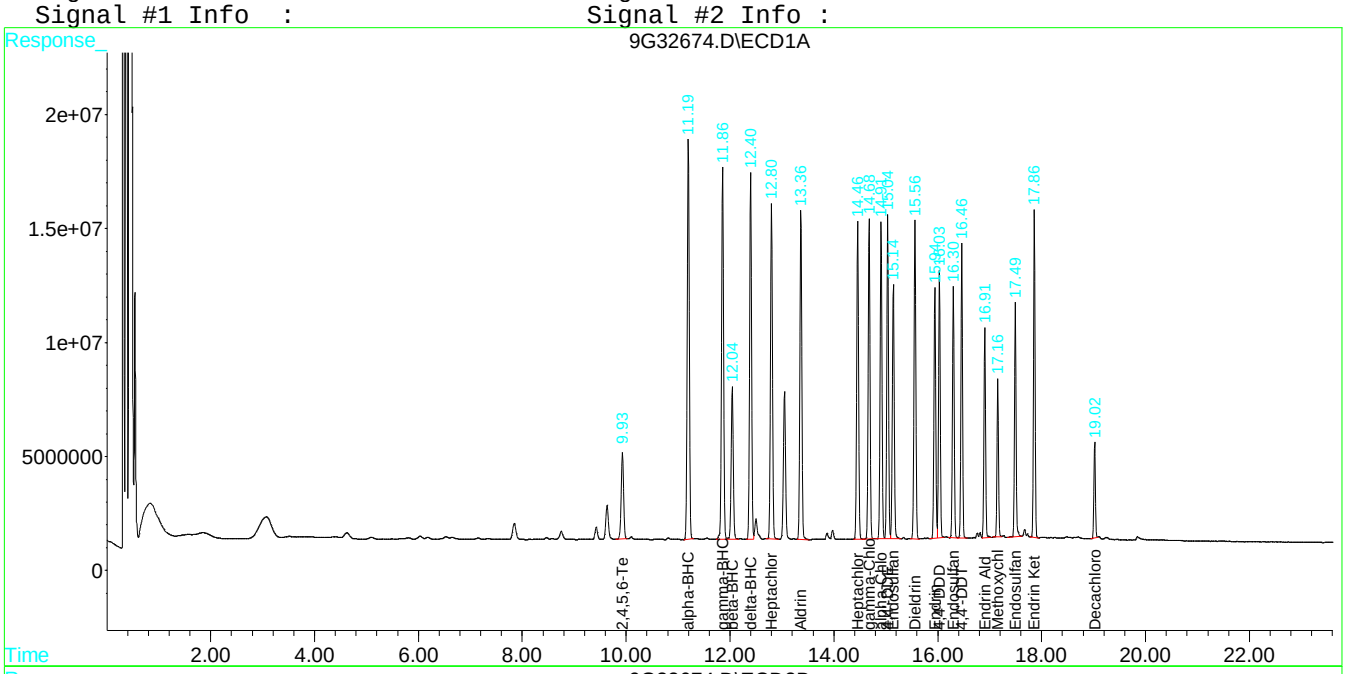
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

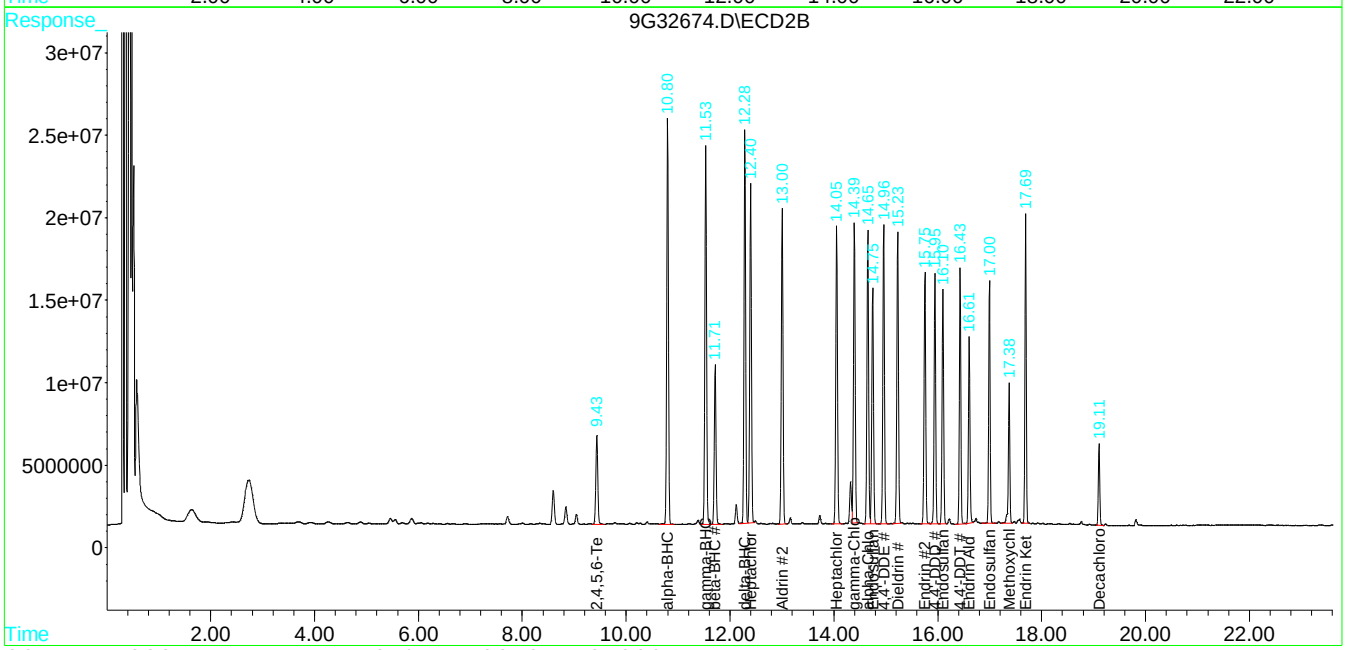
	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.93	9.43	122.2E6	140.3E6	15.614	15.801
	Spiked Amount 20.000 Range 39 - 130 Recovery =					78.07%	79.01%
22) S	Decachlorobiphen	19.02	19.11	83404617	93396064	17.442	17.998
	Spiked Amount 20.000 Range 33 - 143 Recovery =					87.21%	89.99%
	Target Compounds						
2)	alpha-BHC	11.20	10.80	479.7E6	550.4E6	46.919	47.227
3)	gamma-BHC	11.86	11.53	443.4E6	517.6E6	46.620	47.391
4)	beta-BHC	12.04	11.71	185.5E6	217.9E6	43.041	42.235
5)	Heptachlor	12.80	12.40	388.9E6	465.5E6	45.869	47.262
6)	delta-BHC	12.40	12.29	423.1E6	508.3E6	47.714	46.376
7)	Aldrin	13.37	13.00	374.3E6	430.9E6	46.573	47.140
8)	Heptachlor Epoxi	14.46	14.05	352.2E6	406.2E6	44.974	45.567
9)	gamma-Chlordane	14.68	14.40	346.5E6	404.3E6	44.870	45.330
10)	alpha-Chlordane	14.91	14.65	341.5E6	399.6E6	44.436	44.910
11)	Endosulfan I	15.15	14.75	281.6E6	325.4E6	39.243	40.162
12)	4,4'-DDE	15.04	14.96	329.2E6	383.0E6	48.636	46.873
13)	Dieldrin	15.56	15.23	339.3E6	390.7E6	46.051	46.116
14)	Endrin	15.94	15.75	258.1E6	332.6E6	48.093	48.759
15)	4,4'-DDD	16.03	15.95	259.6E6	310.0E6	48.395	45.160
16)	Endosulfan II	16.30	16.10	252.3E6	294.6E6	41.197	39.994
17)	4,4'-DDT	16.46	16.43	270.4E6	296.4E6	47.718	50.041
18)	Endrin Aldehyde	16.91	16.61	199.7E6	226.4E6	39.699	37.095
19)	Endosulfan Sulfa	17.49	17.00	215.9E6	274.3E6	49.589	43.085
20)	Methoxychlor	17.16	17.38	137.2E6	165.4E6	47.795	50.979
21)	Endrin Ketone	17.86	17.69	291.9E6	330.2E6	44.080	42.565

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

```
Data File : C:\HPCHEM\1\DATA\101405\9G32674.D\ECD1A.CH   Vial: 6
Acq On    : 14 Oct 2005  16:59                          Operator: ECL
Sample    : WG198620-03 LCS DUP V250 P99                Inst    : HP9
Misc      : 7,1 SOIL                                    Multiplr: 1.00
IntFile   : autoint1.e

Data File : C:\HPCHEM\1\DATA\101405\9G32674.D\ECD2B.CH   Vial: 6
Acq On    : 14 Oct 2005  17:27                          Operator: ECL
Sample    : WG198620-03 LCS DUP V250 P99                Inst    : HP9
Misc      : 7,1 SOIL                                    Multiplr: 1.00
IntFile   : autoint2.e
Quant Time: Oct 17  8:24 2005  Quant Results File: 8081.RES

Quant Method : C:\HPCHEM\1\METHODS\8081.M (Chemstation Integrator)
Title        : CALIBRATION October 13, 2005 @ 21:10
Last Update  : Mon Oct 17 08:24:42 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8081.M

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```





2.2.4 PCB GC Data (8082)

2.2.4.1 QC Summary

KEMRON ENVIRONMENTAL SERVICES
GC PCB

KEMRON Login No.: L0510264

METHOD

Preparation: SW- 846 3550B(Soils) 3510C(Waters)

Analysis: SW-846 8082

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: For all compounds which yielded a %RSD greater than 20 %, linear or higher order equations were applied. All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibration: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Matrix Spikes: There were no MS/MSD results associated with this sample delivery group.

SAMPLES

Surrogates: All acceptance criteria were met.

Samples: All acceptance criteria were met.

Manual Integration Reason Codes

KEMRON laboratory management has identified four general cases with valid reasons supporting the use of manual integration techniques.

Reason #1: Data System Fails to Select Correct Peak
In some cases the chromatography system selects and integrates the ”wrong peak”. In this case the analyst must correct the selection and force the system to integrate the proper peak. Other times the system may miss the peak completely.

Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak.
This phenomena is common at low concentrations where the signal:noise ratio is low. A single compound (peak) is incorrectly split into multiple peaks or integrated as a main peak with one or more rider peaks resulting in low area counts for the target compound.

Reason #3: Improperly Integrated Isomers and/or coeluting compounds.
This system often fails to distinguish coeluting compounds and or isomers. The integration areas and concentrations are wrong, and they must be corrected by manual integration. Prime examples are benzo(k)fluoranthene and benzo(b)fluoranthene which are often unresolved and integrated improperly when both are present at low concentrations in standards or samples.

Reason #4: System Establishes Incorrect Baseline
There are numerous situations in chromatography where the system establishes the baseline incorrectly. Some baseline errors will be obvious to the analyst and should be corrected via manual procedures.

Reason #5: Miscellaneous
Other situations involving integration errors may require in-depth review and technical judgment. These cases should be brought to the attention of the laboratory management. If the form of manual integration is not clearly covered by these four cases, then review and approval by the Laboratory Director or the QA/QC Supervisor will be required.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: ECL

Approved: 21-OCT-05

Figure 1
Semi-Volatile GC Checklist

Run Date: 10-14-05

Analyst: ECL

Instrument: HP 4

Method: 8082

Login no.	Due Date	Priority
10-167	10/17	F1
10-197	10/21	—
10-201	10/14	—
10-204	10/18	F4
10-259	10/20	F1
10-264	10/19	P1
10-215	10/19	P1

		Analyst	Peer
System Performance Check:	Endrin/DDT Breakdown		
Initial Calibration:	ICAL summary	√	√
	Linear or quadriatic regression		
	Alt Source Check	√	√
Continuing Calibration:	Continuing Calibration	√	√
	Ending standards	√	√
	Client Specific Requirements	√	√
	Special Standards		
Blanks:	Quant Report/Chromatogram	√	√
	Surrogates	√	√
LCS/LCS DUP:	Quant Report/Chromatogram	√	√
	Surrogates	√	√
	Spike Compounds	√	√
	MS/MSD		
Samples:	Quant Reports/Chromatograms	√	√
	Mass spectra		
	Surrogates	√	√
	Dilution runs	√	√
	Confirmations		
	Correct Factors	√	√
	Manual integrations		
Data Package:	Run logs	√	√
	Bench sheets	√	√
	Upload results	√	√
	QC forms	√	√
	Seedpak workgroups	√	√
Client Data	Data scanned		
	Integrations digitally signed		
	Level 2 pdf files	√	
	Level 3/Level x	√	
	Level 4 copies		
	Case narratives	√	

	Supervisor
Integrations digitally cosigned	
Corrective Action	
Results Reporting/Data Qualifiers	√
Client Data/digital signatures	√
Check for Completeness	√
Check for compliance with method and project requirements	√
Check the reasonableness of results	√

√ = Checked & OK

NA = Not Applicable

Comments:

Primary Reviewer: ECL 10/17/05.

Secondary Reviewer: [illegible] 10/17/05

Example 8082 Calculations

1.0 Calculating the Response Factor (RF) from the initial calibration (ICAL) data:

$$RF = \frac{As}{Cs}$$

where:	Example:
A_s = Area of the compound being measured in the standard	10000
C_s = Concentration of the compound being measured (ng/mL)	100
	RF = 100

2.0 Calculating the concentration (C) of a compound in water using data from prep log and quantitation report:*

$$C = \frac{(A_x)(Vf)(D)}{(RF)(Vi)}$$

where:	Example:
A_x = Area of the compound begin measured	10000
Vf = Final volume of sample extract (mL). (prep log)	1
D = Dilution factor for sample as a multiplier (10X=10)	1
RF = Response factor from ICAL calculated above.	100
Vi = Initial volume of sample (mL). (prep log)	1000
	C(ug/L) = 0.1

3.0 Calculating the concentration (C) of a compound in soil using data from prep log and quantitation report:*

$$C = \frac{(A_x)(Vf)(D)}{(RF)(Wi)}$$

where:	Example:
A_x = Area of the compound begin measured	10000
Vf = Final volume of sample extract (mL). (prep log)	1
D = Dilution factor for sample as a multiplier (10X=10)	1
RF = Response factor from ICAL calculated above.	100
Wi = Initial weight of sample (g).	30
	C(ug/kg) = 3.333333

* Concentrations appearing on instrument quantitation reports are on-column results and do not take into account initial volume, final volume and dilution factor.

Instrument: HP4 Dataset: 101405
Analyst 1: ECL Analyst 2: NA
Method: 8082 SOP: GCS10 Rev: 8

Column 1 ID: RTX-CLP2 Column 2 ID: __

Seq.	File ID	Sample Info	Mat	Dil	Reference	Date/Time
1.	4GF26751	L0510201-01 10000x*	11	10000		10/14/05 12:30
2.	4GF26752	WG198665-01 1660 ICAL 2000 PPB	1	1	SOS75-08	10/14/05 12:51
3.	4GF26753	WG198665-02 1660 ICAL 1000 PPB	1	1	SOS75-08	10/14/05 13:10
4.	4GF26754	WG198665-03 1660 ICAL 500 PPB	1	1	SOS75-08	10/14/05 13:29
5.	4GF26755	WG198665-04 1660 ICAL 250 PPB	1	1	SOS75-08	10/14/05 13:48
6.	4GF26756	WG198665-05 1660 ICAL 100 PPB	1	1	SOS75-08	10/14/05 14:07
7.	4GF26757	WG198665-06 1660 ICAL 50 PPB	1	1	SOS75-08	10/14/05 14:26
8.	4GF26758	WG198665-07 1660 ALT 250 PPB	1	1	SOS76-39	10/14/05 14:45
9.	4GF26759	1254 500 PPB	1	1	SOS76-36	10/14/05 15:04
10.	4GF26760	1254 ALT 500 PPB	1	1	SOS76-40	10/14/05 15:23
11.	4GF26761	1248 500 PPB	1	1	SOS76-37	10/14/05 15:42
12.	4GF26762	1248 ALT 500 PPB	1	1	SOS76-37	10/14/05 16:01
13.	4GF26763	1242 500 PPB	1	1	SOS76-38	10/14/05 16:20
14.	4GF26764	1242 ALT 500 PPB	1	1	SOS76-41	10/14/05 16:38
15.	4GF26765	1232 500 PPB	1	1	SOS74-18	10/14/05 16:57
16.	4GF26766	1232 ALT 500 PPB	1	1	SOS74-19	10/14/05 17:16
17.	4GF26767	1221 500 PPB	1	1	SOS74-20	10/14/05 17:35
18.	4GF26768	1221 ALT 500 PPB	1	1	SOS74-20	10/14/05 17:54
19.	4GF26769	WG198667-01 1660 CCV 250 PPB	1	1	SOS75-08	10/14/05 18:13
20.	4GF26770	WG198532-01 BLANK V250 P85	11	1		10/14/05 18:32
21.	4GF26771	WG198532-02 LCS V250 P85	11	1		10/14/05 18:51
22.	4GF26772	WG198532-03 LCS DUP V250 P85	11	1		10/14/05 19:10
23.	4GF26773	L0510167-02*	11	1		10/14/05 19:29
24.	4GF26774	L0510167-04	11	1		10/14/05 19:48
25.	4GF26775	L0510197-01	11	1		10/14/05 20:07
26.	4GF26776	L0510197-02	11	1		10/14/05 20:26
27.	4GF26777	L0510197-03	11	1		10/14/05 20:45
28.	4GF26778	L0510201-01 200000x	11	200000		10/14/05 21:04
29.	4GF26779	HEXANE	1	1		10/14/05 21:23
30.	4GF26780	WG198667-02 1660 CCV 500 PPB	1	1	SOS75-08	10/14/05 21:42
31.	4GF26781	WG198621-01 BLANK V250 P101	7	1	SOIL	10/14/05 22:01
32.	4GF26782	WG198621-02 LCS V250 P101	7	1	SOIL	10/14/05 22:19
33.	4GF26783	WG198621-03 LCS DUP V250 P101	7	1	SOIL	10/14/05 22:38
34.	4GF26784	L0510204-01	7	1	SOIL	10/14/05 22:57
35.	4GF26785	L0510259-01	7	1	SOIL	10/14/05 23:16
36.	4GF26786	L0510259-02*	7	1	SOIL	10/14/05 23:35
37.	4GF26787	L0510264-01	7	1	SOIL	10/14/05 23:54
38.	4GF26788	L0510264-02	7	1	SOIL	10/15/05 00:13
39.	4GF26789	L0510264-03	7	1	SOIL	10/15/05 00:32
40.	4GF26790	L0510264-04	7	1	SOIL	10/15/05 00:51
41.	4GF26791	WG198667-03 1660 CCV 250 PPB	1	1	SOS75-08	10/15/05 01:10
42.	4GF26792	WG198651-01 BLANK V249 P83	1	1		10/15/05 01:29
43.	4GF26793	WG198651-02 LCS V249 P83	1	1		10/15/05 01:48

Approved: October 17, 2005

Seq.	File ID	Sample Info	Mat	Dil	Reference	Date/Time
44.	4GF26794	WG198651-03 LCS DUP V249 P83*	1	1		10/15/05 02:07
45.	4GF26795	L0510215-07	1	1		10/15/05 02:26
46.	4GF26796	L0510215-11	1	1		10/15/05 02:45
47.	4GF26797	L0510259-04	1	1		10/15/05 03:04
48.	4GF26798	WG198667-04 1660 CCV 500 PPB	1	1	SOS75-08	10/15/05 03:23

[1.] SCREEN ONLY
[23.] DCB surrogate failed high.
[36.] DCB surrogate failed high.
[44.] DCB surrogate failed high.

Approved: October 17, 2005

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

Analytical Method: 8082 AAB#: WG198674

Login Number: L0510264

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
41-BG1-S-1012-05	10/12/05	10/13/05	10/14/05	14	1.80	10/14/05	40	0.642	
41-BG2-S-1012-05	10/12/05	10/13/05	10/14/05	14	1.78	10/15/05	40	0.655	
41-BF2-S-1012-05	10/12/05	10/13/05	10/14/05	14	1.71	10/15/05	40	0.668	
41-TS2-S-1012-05	10/12/05	10/13/05	10/14/05	14	1.70	10/15/05	40	0.681	

* EXT = SEE PROJECT QAPP REQUIREMENTS
*ANAL = SEE PROJECT QAPP REQUIREMENTS

KEMRON FORMS - Modified 11/05/2004
Version 1.5 PDF File ID: 340460
Report generated 10/21/2005 10:51

KEMRON Environmental Services

SURROGATE STANDARDS

Login Number: L0510264
Instrument Id: HP4
Workgroup (AAB#): WG198674

Method: 8082
CAL ID: HP4-14-OCT-05
Matrix: SOLID

Sample Number	Dilution	Tag	1	2
L0510264-01	1.00	01	86.8	119
L0510264-02	1.00	01	85.9	132
L0510264-03	1.00	01	83.7	114
L0510264-04	1.00	01	84.4	120
WG198621-01	1.00	01	86.8	120
WG198621-02	1.00	01	78.5	115
WG198621-03	1.00	01	86.1	122

Surrogates	Surrogate Limits		
1 - 2,4,5,6-Tetrachloro-M-Xylene	29	-	133
2 - Decachlorobiphenyl	30	-	173

Underline = Result out of surrogate limits

DL = surrogate diluted out
ND = surrogate not detected

KEMRON FORMS - Modified 05/17/2005
Version 1.5 PDF File ID: 338493
Report generated 10/21/2005 10:56

KEMRON Environmental Services

METHOD BLANK SUMMARY

Login Number: L0510264
Blank File ID: 4GF26781
Date Analyzed: 10/14/05
Time Analyzed: 22:01
Analyst: ECL

Work Group: WG198674
Blank Sample ID: WG198621-01
Instrument ID: HP4
Method: 8082

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG198621-02	4GF26782	10/14/05 22:19	01
LCS2	WG198621-03	4GF26783	10/14/05 22:38	01
41-BG1-S-1012-05	L0510264-01	4GF26787	10/14/05 23:54	01
41-BG2-S-1012-05	L0510264-02	4GF26788	10/15/05 00:13	01
41-BF2-S-1012-05	L0510264-03	4GF26789	10/15/05 00:32	01
41-TS2-S-1012-05	L0510264-04	4GF26790	10/15/05 00:51	01

KEMRON Environmental Services

METHOD BLANK REPORT

Login Number: L0510264 Run Date: 10/14/2005 Sample ID: WG198621-01
Instrument ID: HP4 Run Time: 22:01 Prep Method: 3550B
File ID: 4GF26781 Analyst: ECL Method: 8082
Workgroup (AAB#): WG198674 Matrix: Soil Units: ug/kg
Contract #: Cal ID: HP4-14-OCT-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Aroclor-1016	8.25	16.5	8.25	1	U
Aroclor-1221	8.25	16.5	8.25	1	U
Aroclor-1232	8.25	16.5	8.25	1	U
Aroclor-1242	8.25	16.5	8.25	1	U
Aroclor-1248	8.25	16.5	8.25	1	U
Aroclor-1254	8.25	16.5	8.25	1	U
Aroclor-1260	8.25	16.5	8.25	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
2,4,5,6-Tetrachloro-M-Xylene	86.8	29 - 133	PASS
Decachlorobiphenyl	120	30 - 173	PASS

MDL Method Detection Limit
RL Reporting/quantitation Limit
* Analyte concentration > RL
ND Analyte Not detected at or above reporting limit

KEMRON FORMS - Modified 05/17/2005
Version 1.5 PDF File ID: 338006
Report generated 10/21/2005 10:52

KEMRON Environmental Services

LABORATORY CONTROL SAMPLE

Login Number: L0510264 Run Date: 10/14/2005 Sample ID: WG198621-02
Instrument ID: HP4 Run Time: 22:19 Prep Method: 3550B
File ID: 4GF26782 Analyst: ECL Method: 8082
Workgroup (AAB#): WG198674 Matrix: Soil Units: ug/kg
Contract #: Cal ID: HP4-14-OCT-05

Analytes	Expected	Found	% Rec	LCS Limits	Q
Aroclor-1016	83.3	77.8	93.4	64 - 136	
Aroclor-1260	83.3	80.0	96.0	63 - 137	

Surrogates	% Recovery	Surrogate Limits	Qualifier
2,4,5,6-Tetrachloro-M-Xylene	78.5	29 - 133	PASS
Decachlorobiphenyl	115	30 - 173	PASS

* FAILS %REC LIMIT

KEMRON FORMS - Modified 09/09/2005
Version 1.5 PDF File ID: 338007
Report generated 10/18/2005 15:18

KEMRON Environmental Services

LABORATORY CONTROL SAMPLES

Login Number: L0510264 Analyst: ECL Prep Method: 3550B
Instrument ID: HP4 Matrix: Soil Method: 8082
Workgroup (AAB#): WG198674 Units: ug/kg
Sample ID: WG198621-02 LCS File ID: 4GF26782 Run Date: 10/14/2005 22:19
Sample ID: WG198621-03 LCS2 File ID: 4GF26783 Run Date: 10/14/2005 22:38

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Aroclor-1016	83.3	77.8	93.4	83.3	81.8	98.1	4.93	64 - 136	40	
Aroclor-1260	83.3	80.0	96.0	83.3	80.9	97.0	1.10	63 - 137	40	

Surogates	LCS	LCS2	Surrogate Limits	Qualifier
	% Recovery	% Recovery		
2,4,5,6-Tetrachloro-M-Xylene	78.5	86.1	29 - 133	PASS
Decachlorobiphenyl	115	122	30 - 173	PASS

* FAILS %REC LIMIT

FAILS RPD LIMIT

KEMRON FORMS - Modified 01/03/2005
Version 1.5 PDF File ID: 338008
Report generated 10/21/2005 10:53

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264

Analytical Method: 8082

ICAL Workgroup: WG198665

Instrument ID: HP4

Initial Calibration Date: 14-OCT-05

Analyte		AVG RF	% RSD	R2	QUAD
Aroclor-1016-1		678.1	13.5		
Aroclor-1016-2		1293	15.7		
Aroclor-1016-3		2411	15.6		
Aroclor-1016-4		1136	14.9		
Aroclor-1016-5		839.5	7.59		
Aroclor-1260-1		1435	18.1		
Aroclor-1260-2		1725	17.4		
Aroclor-1260-3		1987	11.2		
Aroclor-1260-4		2741	7.74		
Aroclor-1260-5		855.3	2.26		

KEMRON FORMS - Modified 10/02/2005
Version 1.5 PDF File ID: 340461
Report generated 10/21/2005 10:53

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 Instrument ID: HP4

Analytical Method: 8082 Initial Calibration Date: 14-OCT-05

Analyte	WG198665-01			WG198665-02		
	CONC	RESP	RF	CONC	RESP	RF
Aroclor-1016-1	2000	1098019	549.0	1000	597556	597.6
Aroclor-1016-2	2000	1979416	989.7	1000	1124082	1124
Aroclor-1016-3	2000	3760118	1880	1000	2099583	2100
Aroclor-1016-4	2000	1788861	894.4	1000	994795	994.8
Aroclor-1016-5	2000	1478583	739.3	1000	785803	785.8
Aroclor-1260-1	2000	2191566	1096	1000	1207572	1208
Aroclor-1260-2	2000	2656182	1328	1000	1459716	1460
Aroclor-1260-3	2000	3329830	1665	1000	1794197	1794
Aroclor-1260-4	2000	4989287	2495	1000	2615187	2615
Aroclor-1260-5	2000	1690408	845.2	1000	837578	837.6

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 Instrument ID: HP4

Analytical Method: 8082 Initial Calibration Date: 14-OCT-05

Analyte	WG198665-03			WG198665-04		
	CONC	RESP	RF	CONC	RESP	RF
Aroclor-1016-1	500	331715	663.4	250	178950	715.8
Aroclor-1016-2	500	638223	1276	250	356439	1426
Aroclor-1016-3	500	1164299	2329	250	643718	2575
Aroclor-1016-4	500	550258	1101	250	306676	1227
Aroclor-1016-5	500	426338	852.7	250	226210	904.8
Aroclor-1260-1	500	680849	1362	250	380613	1522
Aroclor-1260-2	500	819507	1639	250	460409	1842
Aroclor-1260-3	500	977288	1955	250	525067	2100
Aroclor-1260-4	500	1411103	2822	250	759327	3037
Aroclor-1260-5	500	430724	861.4	250	220250	881.0

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 Instrument ID: HP4

Analytical Method: 8082 Initial Calibration Date: 14-OCT-05

Analyte	WG198665-05			WG198665-06		
	CONC	RESP	RF	CONC	RESP	RF
Aroclor-1016-1	100	77001	770.0	50.0	38637	772.7
Aroclor-1016-2	100	142838	1428	50.0	75781	1516
Aroclor-1016-3	100	274458	2745	50.0	141846	2837
Aroclor-1016-4	100	128396	1284	50.0	65904	1318
Aroclor-1016-5	100	88404	884.0	50.0	43503	870.1
Aroclor-1260-1	100	167291	1673	50.0	87532	1751
Aroclor-1260-2	100	199569	1996	50.0	104294	2086
Aroclor-1260-3	100	218063	2181	50.0	111242	2225
Aroclor-1260-4	100	290188	2902	50.0	128631	2573
Aroclor-1260-5	100	87273	872.7	50.0	41706	834.1

KEMRON Environmental Services

ALTERNATE SOURCE CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/14/2005 Sample ID: WG198665-07
Instrument ID: HP4 Run Time: 14:45 Method: 8082
File ID: 4GF26758 Analyst: ECL
ICal Workgroup: WG198665 Cal ID: HP4 - 14-OCT-05

Analyte		Expected	Found	RF	%D	UNITS	Q
Aroclor-1016-1		250	254	689	1.6	ug/L	
Aroclor-1016-2		250	265	1370	6	ug/L	
Aroclor-1016-3		250	255	2460	1.9	ug/L	
Aroclor-1016-4		250	257	1170	3	ug/L	
Aroclor-1016-5		250	255	856	1.9	ug/L	
Aroclor-1260-1		250	273	1570	9.2	ug/L	
Aroclor-1260-2		250	269	1860	7.8	ug/L	
Aroclor-1260-3		250	284	2250	13.4	ug/L	
Aroclor-1260-4		250	254	2790	1.6	ug/L	
Aroclor-1260-5		250	216	739	13.5	ug/L	

* Exceeds %D Limit

KEMRON FORMS - Modified 10/07/2005
Version 1.5 PDF File ID: 340462
Report generated 10/21/2005 10:54

KEMRON Environmental Services

CONTINUING CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/14/2005 Sample ID: WG198667-02
Instrument ID: HP4 Run Time: 21:42 Method: 8082
File ID: 4GF26780 Analyst: ECL
Workgroup (AAB#): WG198674 Cal ID: HP4 - 14-OCT-05

Analyte		Expected	Found	RF	%D	UNITS	Q
Aroclor-1016		500	457	1160	8.6	ug/L	
Aroclor-1221		NA				ug/L	
Aroclor-1232		NA				ug/L	
Aroclor-1242		NA				ug/L	
Aroclor-1248		NA				ug/L	
Aroclor-1254		NA				ug/L	
Aroclor-1260		500	473	1660	5.5	ug/L	

* Exceeds %D Limit

KEMRON FORMS - Modified 03/21/2005
Version 1.3 PDF File ID: 340464
Report generated 10/21/2005 10:55

KEMRON Environmental Services

CONTINUING CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/15/2005 Sample ID: WG198667-03
Instrument ID: HP4 Run Time: 01:10 Method: 8082
File ID: 4GF26791 Analyst: ECL
Workgroup (AAB#): WG198674 Cal ID: HP4 - 14-OCT-05

Analyte		Expected	Found	RF	%D	UNITS	Q
Aroclor-1016		250	261	1330	4.6	ug/L	
Aroclor-1221		NA				ug/L	
Aroclor-1232		NA				ug/L	
Aroclor-1242		NA				ug/L	
Aroclor-1248		NA				ug/L	
Aroclor-1254		NA				ug/L	
Aroclor-1260		250	264	1860	5.6	ug/L	

* Exceeds %D Limit

KEMRON FORMS - Modified 03/21/2005
Version 1.3 PDF File ID: 340464
Report generated 10/21/2005 10:55

2.2.4.2 Sample Data

Quantitation Report (Not Reviewed)

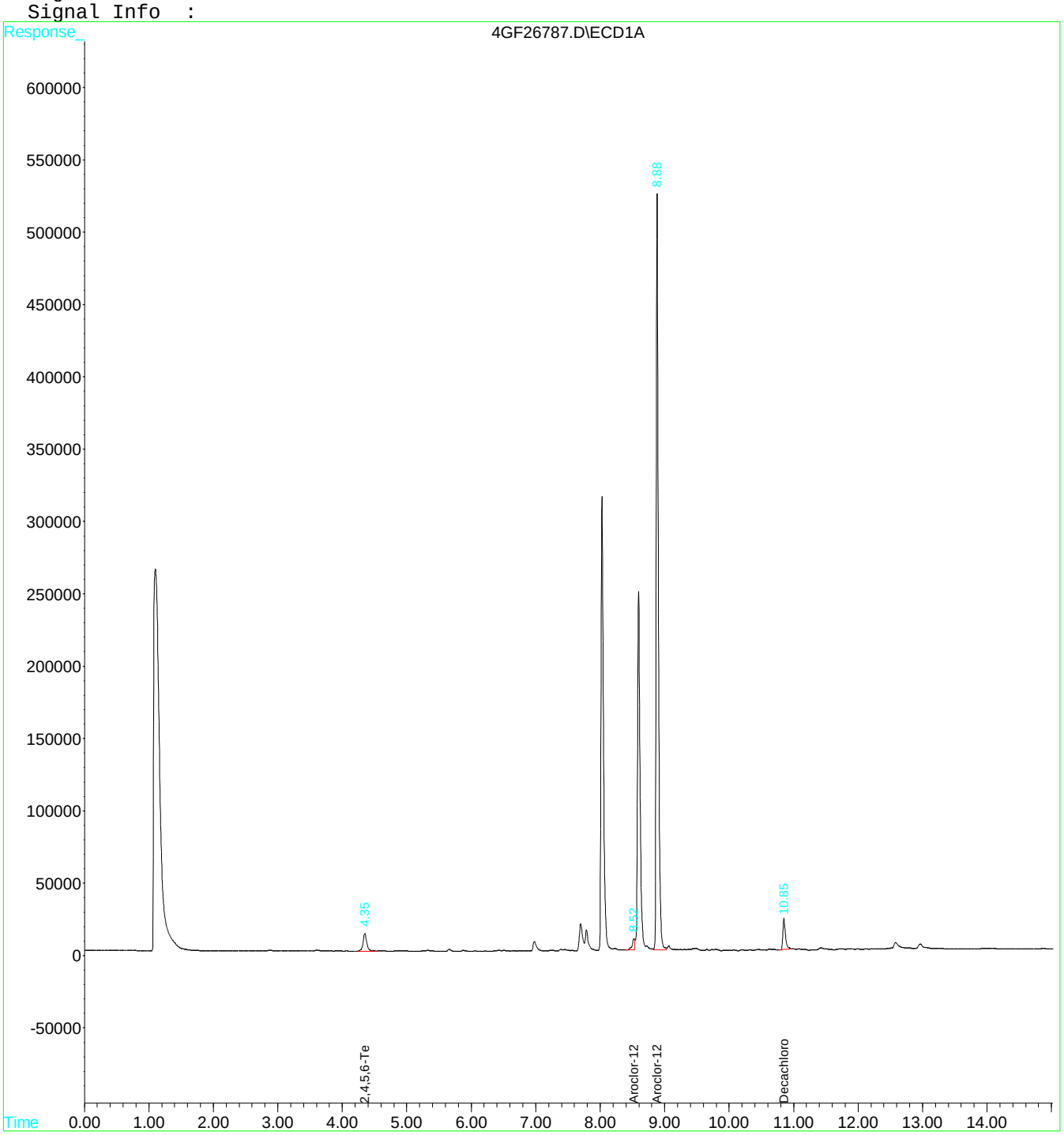
```
Data File : C:\HPCHEM\2\DATA\101405\4GF26787.D          Vial: 36
Acq On    : 14 Oct 2005  23:54                       Operator: ECL
Sample    : L0510264-01                              Inst    : HP4
Misc      : 7,1 SOIL                                 Multiplr: 1.00
IntFile   : events.e
Quant Time: Oct 17 10:25 2005  Quant Results File: 1660F.RES

Quant Method : C:\HPCHEM\2\METHODS\1660F.M (Chemstation Integrator)
Title        : CALIBRATION October 14, 2005 @ 14:45
Last Update  : Mon Oct 17 10:24:19 2005
Response via : Initial Calibration
DataAcq Meth : 8082F.M

Volume Inj.  :
Signal Phase :
Signal Info  :

     Compound                    R.T.       Response    Conc Units
---------------------------------------------------------------------------

System Monitoring Compounds
 1) S   2,4,5,6-Tetrachloro-M-Xyle   4.35         484127   17.355 UG/L
Spiked Amount     20.000   Range  29 - 133    Recovery   =   86.78%
12) S   Decachlorobiphenyl          10.85         594559   23.879 UG/L
Spiked Amount     20.000   Range  30 - 173    Recovery   =  119.40%

Target Compounds
 2) L1  Aroclor-1016-1              0.00              0    N.D.  UG/L
 3) L1  Aroclor-1016-2              0.00              0    N.D.  UG/L
 4) L1  Aroclor-1016-3              0.00              0    N.D.  UG/L
 5) L1  Aroclor-1016-4              0.00              0    N.D.  UG/L
 6) L1  Aroclor-1016-5              0.00              0    N.D.  UG/L
    Sum Aroclor-1016-1                            0    N.D.  UG/L
Average Aroclor-1016-1                                  0.000 UG/L

 7) L2  Aroclor-1260-1              0.00              0    N.D.  UG/L
 8) L2  Aroclor-1260-2              8.52         213636  123.847 UG/L
 9) L2  Aroclor-1260-3              8.88       12249203 6166.000 UG/L
10) L2  Aroclor-1260-4              0.00              0    N.D.  UG/L
11) L2  Aroclor-1260-5              0.00              0    N.D.  UG/L
    Sum Aroclor-1260-1                      12462839 6289.846 UG/L
Average Aroclor-1260-1                                 3144.923 UG/L
```

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\2\DATA\101405\4GF26787.D Vial: 36
Acq On : 14 Oct 2005 23:54 Operator: ECL
Sample : L0510264-01 Inst : HP4
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 10:25 2005 Quant Results File: 1660F.RES

Quant Method : C:\HPCHEM\2\METHODS\1660F.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005 @ 14:45
Last Update : Mon Oct 17 10:24:19 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8082F.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

```
Data File : C:\HPCHEM\2\DATA\101405\4GF26788.D          Vial: 37
Acq On    : 15 Oct 2005  00:13                       Operator: ECL
Sample    : L0510264-02                              Inst    : HP4
Misc      : 7,1 SOIL                                 Multiplr: 1.00
IntFile   : events.e
Quant Time: Oct 17 10:25 2005  Quant Results File: 1660F.RES

Quant Method : C:\HPCHEM\2\METHODS\1660F.M (Chemstation Integrator)
Title        : CALIBRATION October 14, 2005 @ 14:45
Last Update  : Mon Oct 17 10:24:19 2005
Response via : Initial Calibration
DataAcq Meth : 8082F.M

Volume Inj.  :
Signal Phase :
Signal Info  :
```

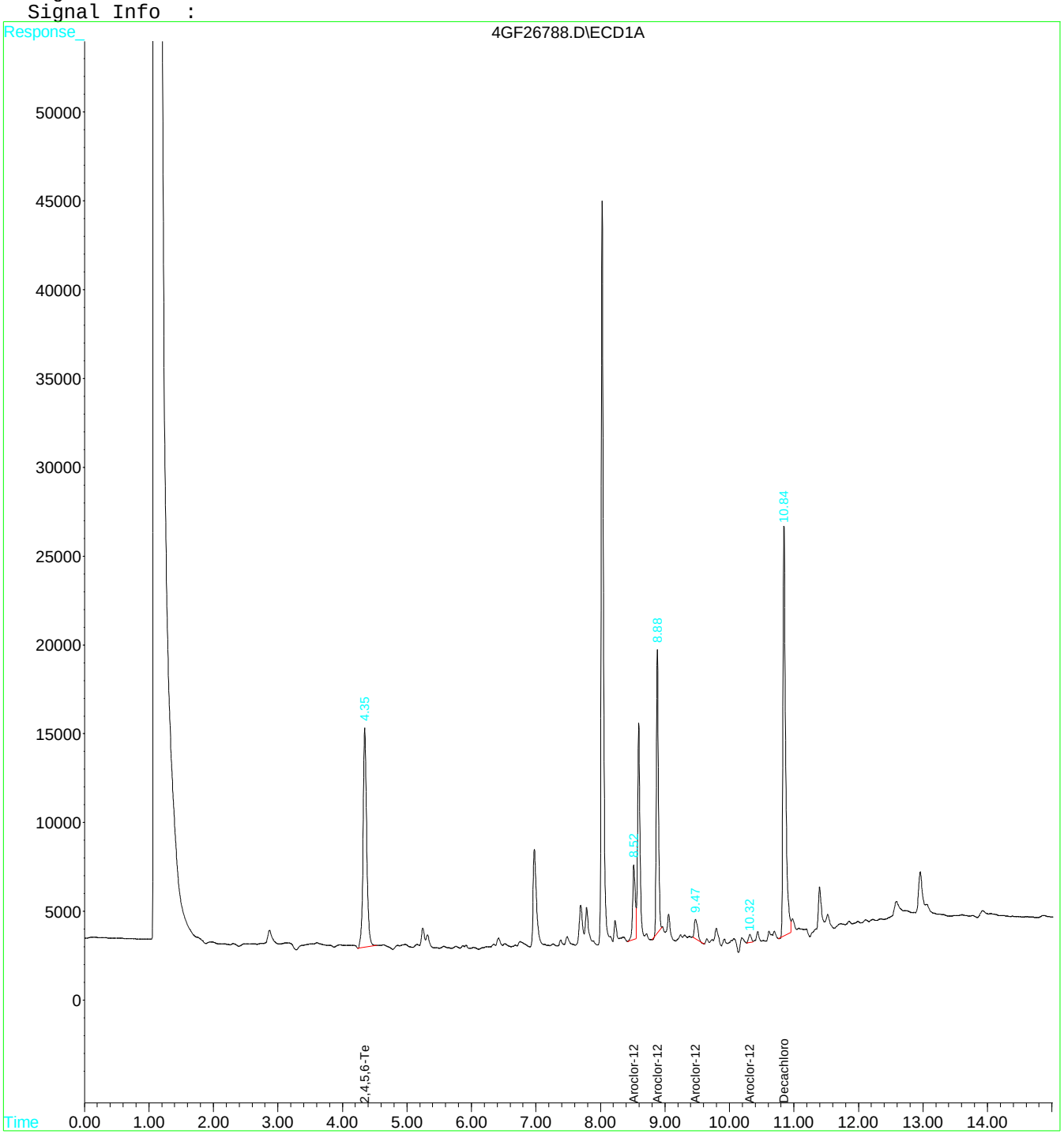
Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.35	479293	17.182	UG/L
Spiked Amount 20.000 Range 29 - 133		Recovery =	85.91%	
12) S Decachlorobiphenyl	10.85	657869	26.422	UG/L
Spiked Amount 20.000 Range 30 - 173		Recovery =	132.11%	
Target Compounds				
2) L1 Aroclor-1016-1	0.00	0	N.D.	UG/L
3) L1 Aroclor-1016-2	0.00	0	N.D.	UG/L
4) L1 Aroclor-1016-3	0.00	0	N.D.	UG/L
5) L1 Aroclor-1016-4	0.00	0	N.D.	UG/L
6) L1 Aroclor-1016-5	0.00	0	N.D.	UG/L
Sum Aroclor-1016-1		0	N.D.	UG/L
Average Aroclor-1016-1			0.000	UG/L
7) L2 Aroclor-1260-1	0.00	0	N.D.	UG/L
8) L2 Aroclor-1260-2	8.52	116902	67.769	UG/L
9) L2 Aroclor-1260-3	8.88	348123	175.238	UG/L
10) L2 Aroclor-1260-4	9.47	38300	13.975	UG/L
11) L2 Aroclor-1260-5	10.32	14203	16.605	UG/L
Sum Aroclor-1260-1		517529	273.588	UG/L
Average Aroclor-1260-1			68.397	UG/L

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\2\DATA\101405\4GF26788.D Vial: 37
Acq On : 15 Oct 2005 00:13 Operator: ECL
Sample : L0510264-02 Inst : HP4
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 10:25 2005 Quant Results File: 1660F.RES

Quant Method : C:\HPCHEM\2\METHODS\1660F.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005 @ 14:45
Last Update : Mon Oct 17 10:24:19 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8082F.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

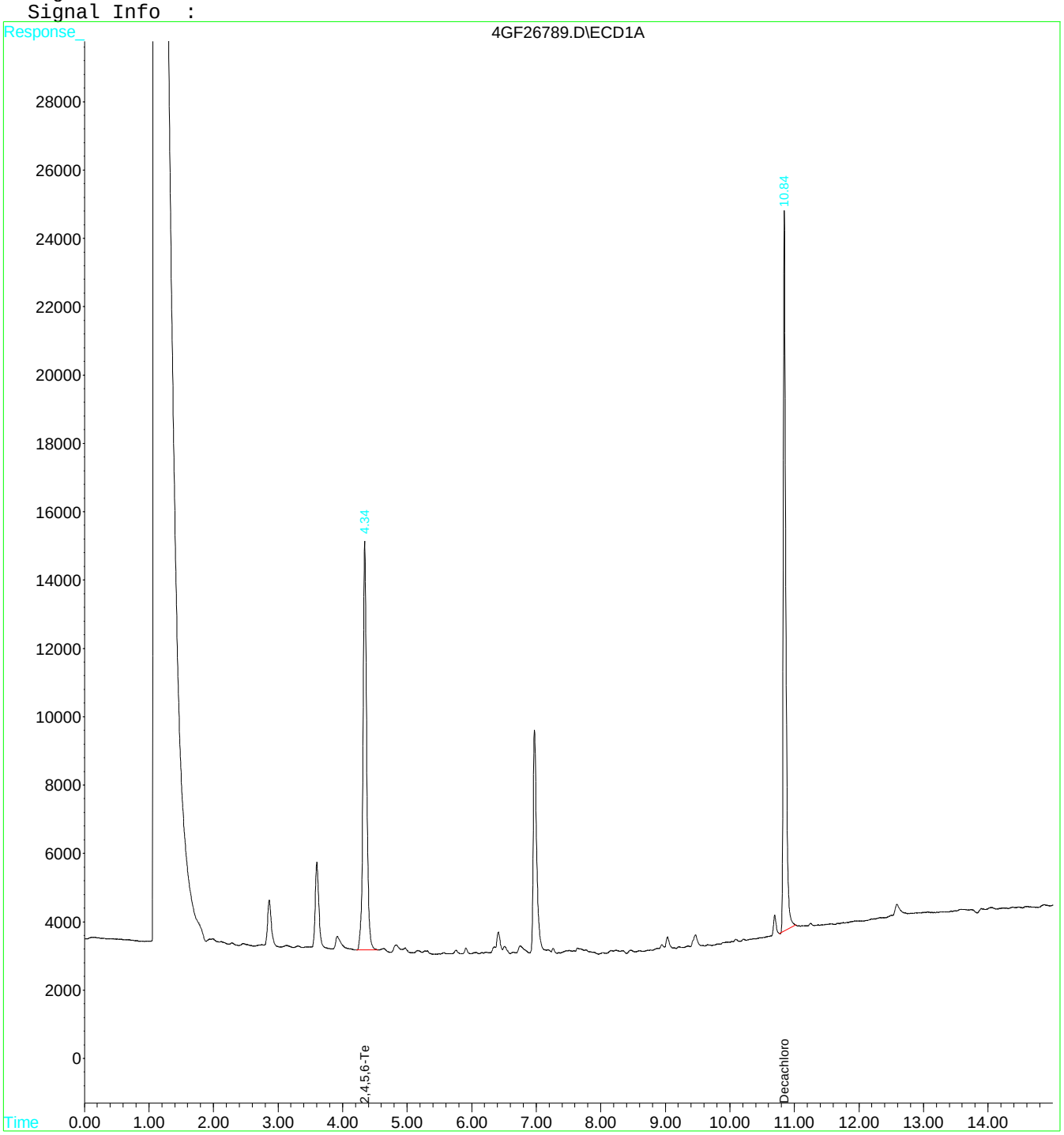
```
Data File : C:\HPCHEM\2\DATA\101405\4GF26789.D          Vial: 38
Acq On    : 15 Oct 2005  00:32                       Operator: ECL
Sample    : L0510264-03                              Inst    : HP4
Misc      : 7,1 SOIL                                 Multiplr: 1.00
IntFile   : events.e
Quant Time: Oct 17 10:25 2005  Quant Results File: 1660F.RES

Quant Method : C:\HPCHEM\2\METHODS\1660F.M (Chemstation Integrator)
Title        : CALIBRATION October 14, 2005 @ 14:45
Last Update  : Mon Oct 17 10:24:19 2005
Response via : Initial Calibration
DataAcq Meth : 8082F.M

Volume Inj.  :
Signal Phase :
Signal Info  :

     Compound                    R.T.       Response    Conc Units
---------------------------------------------------------------------------

System Monitoring Compounds
 1) S   2,4,5,6-Tetrachloro-M-Xyle   4.34         466885   16.737 UG/L
Spiked Amount     20.000   Range  29 - 133    Recovery   =   83.68%
12) S   Decachlorobiphenyl          10.84         568699   22.841 UG/L
Spiked Amount     20.000   Range  30 - 173    Recovery   =  114.21%

Target Compounds
 2) L1  Aroclor-1016-1               0.00              0    N.D.  UG/L
 3) L1  Aroclor-1016-2               0.00              0    N.D.  UG/L
 4) L1  Aroclor-1016-3               0.00              0    N.D.  UG/L
 5) L1  Aroclor-1016-4               0.00              0    N.D.  UG/L
 6) L1  Aroclor-1016-5               0.00              0    N.D.  UG/L
    Sum Aroclor-1016-1                             0    N.D.  UG/L
Average Aroclor-1016-1                                   0.000 UG/L

 7) L2  Aroclor-1260-1               0.00              0    N.D.  UG/L
 8) L2  Aroclor-1260-2               0.00              0    N.D.  UG/L
 9) L2  Aroclor-1260-3               0.00              0    N.D.  UG/L
10) L2  Aroclor-1260-4               0.00              0    N.D.  UG/L
11) L2  Aroclor-1260-5               0.00              0    N.D.  UG/L
    Sum Aroclor-1260-1                             0    N.D.  UG/L
Average Aroclor-1260-1                                   0.000 UG/L
```

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\2\DATA\101405\4GF26789.D Vial: 38
Acq On : 15 Oct 2005 00:32 Operator: ECL
Sample : L0510264-03 Inst : HP4
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 10:25 2005 Quant Results File: 1660F.RES

Quant Method : C:\HPCHEM\2\METHODS\1660F.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005 @ 14:45
Last Update : Mon Oct 17 10:24:19 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8082F.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

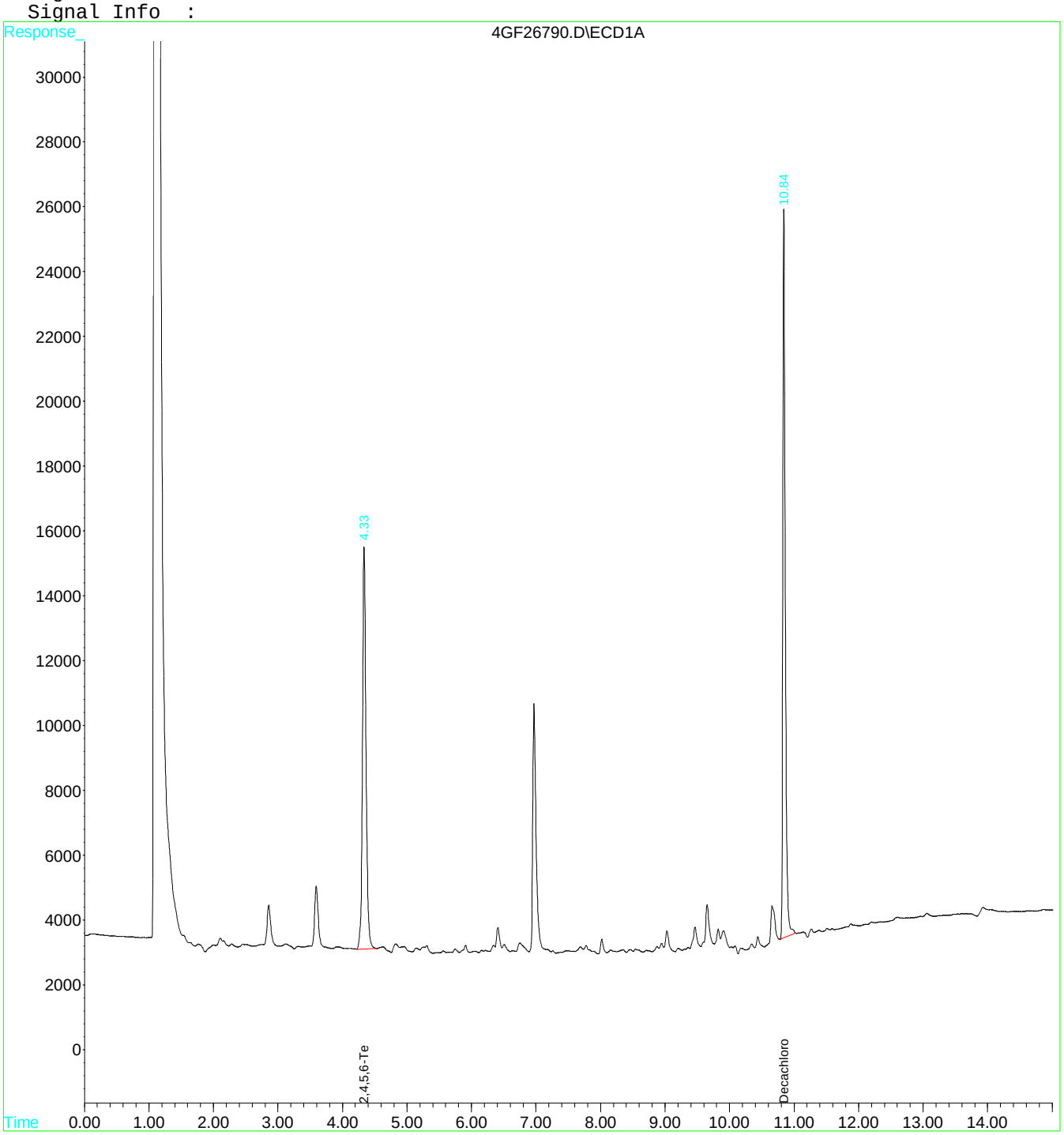
```
Data File : C:\HPCHEM\2\DATA\101405\4GF26790.D          Vial: 39
Acq On    : 15 Oct 2005  00:51                       Operator: ECL
Sample    : L0510264-04                              Inst    : HP4
Misc      : 7,1 SOIL                                 Multiplr: 1.00
IntFile   : events.e
Quant Time: Oct 17 10:25 2005  Quant Results File: 1660F.RES

Quant Method : C:\HPCHEM\2\METHODS\1660F.M (Chemstation Integrator)
Title        : CALIBRATION October 14, 2005 @ 14:45
Last Update  : Mon Oct 17 10:24:19 2005
Response via : Initial Calibration
DataAcq Meth : 8082F.M

Volume Inj.  :
Signal Phase :
Signal Info  :

     Compound                    R.T.       Response    Conc Units
---------------------------------------------------------------------------

System Monitoring Compounds
 1) S   2,4,5,6-Tetrachloro-M-Xyle   4.34         470788   16.877 UG/L
Spiked Amount     20.000   Range  29 - 133    Recovery   =   84.39%
12) S   Decachlorobiphenyl          10.84         597504   23.998 UG/L
Spiked Amount     20.000   Range  30 - 173    Recovery   =  119.99%

Target Compounds
 2) L1  Aroclor-1016-1               0.00              0    N.D.  UG/L
 3) L1  Aroclor-1016-2               0.00              0    N.D.  UG/L
 4) L1  Aroclor-1016-3               0.00              0    N.D.  UG/L
 5) L1  Aroclor-1016-4               0.00              0    N.D.  UG/L
 6) L1  Aroclor-1016-5               0.00              0    N.D.  UG/L
    Sum Aroclor-1016-1                             0    N.D.  UG/L
Average Aroclor-1016-1                                   0.000 UG/L

 7) L2  Aroclor-1260-1               0.00              0    N.D.  UG/L
 8) L2  Aroclor-1260-2               0.00              0    N.D.  UG/L
 9) L2  Aroclor-1260-3               0.00              0    N.D.  UG/L
10) L2  Aroclor-1260-4               0.00              0    N.D.  UG/L
11) L2  Aroclor-1260-5               0.00              0    N.D.  UG/L
    Sum Aroclor-1260-1                             0    N.D.  UG/L
Average Aroclor-1260-1                                   0.000 UG/L
```

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\2\DATA\101405\4GF26790.D Vial: 39
Acq On : 15 Oct 2005 00:51 Operator: ECL
Sample : L0510264-04 Inst : HP4
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 10:25 2005 Quant Results File: 1660F.RES

Quant Method : C:\HPCHEM\2\METHODS\1660F.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005 @ 14:45
Last Update : Mon Oct 17 10:24:19 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8082F.M

Volume Inj. :
Signal Phase :
Signal Info :



2.2.4.3 Standards Data

Quantitation Report (Not Reviewed)

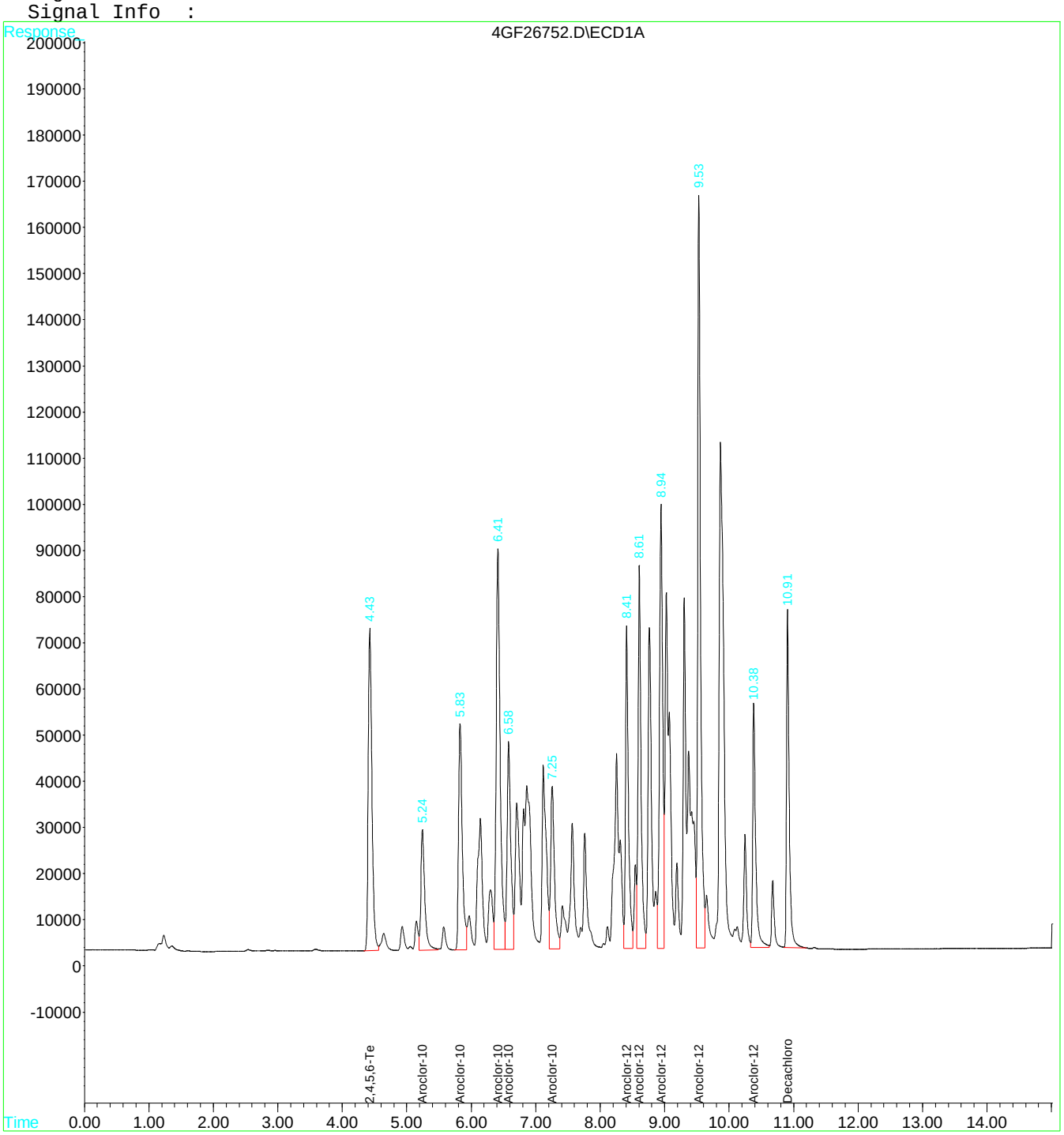
```
Data File : C:\HPCHEM\2\DATA\101405\4GF26752.D          Vial: 1
Acq On    : 14 Oct 2005  12:51                       Operator: ECL
Sample    : WG198665-01 1660 ICAL 2000 PPB           Inst    : HP4
Misc      : 1,1 SOS75-08                             Multiplr: 1.00
IntFile   : events.e
Quant Time: Oct 17  9:36 2005  Quant Results File: 1660F.RES

Quant Method : C:\HPCHEM\2\METHODS\1660F.M (Chemstation Integrator)
Title        : CALIBRATION October 14, 2005 @ 14:45
Last Update  : Mon Oct 17 09:36:21 2005
Response via : Initial Calibration
DataAcq Meth : 8082F.M

Volume Inj.  :
Signal Phase :
Signal Info  :

     Compound                    R.T.       Response    Conc Units
  ---------------------------------------------------------------------------

  System Monitoring Compounds
 1) S   2,4,5,6-Tetrachloro-M-Xyle   4.43        2782532  115.160 UG/L
Spiked Amount     20.000   Range  30 - 132    Recovery   =  575.80%#
12) S   Decachlorobiphenyl          10.91        2091528   90.477 UG/L
Spiked Amount     20.000   Range  36 - 144    Recovery   =  452.39%#

  Target Compounds
 2) L1  Aroclor-1016-1               5.24        1098019 1860.994 UG/L
 3) L1  Aroclor-1016-2               5.83        1979416 1694.057 UG/L
 4) L1  Aroclor-1016-3               6.41        3760118 1805.298 UG/L
 5) L1  Aroclor-1016-4               6.58        1788861 1837.059 UG/L
 6) L1  Aroclor-1016-5               7.26        1478583 1998.150 UG/L
    Sum Aroclor-1016-1                     10104997 9195.558 UG/L
Average Aroclor-1016-1                                  1839.112 UG/L

 7) L2  Aroclor-1260-1               8.41        2191566 1717.493 UG/L
 8) L2  Aroclor-1260-2               8.61        2656182 1738.468 UG/L
 9) L2  Aroclor-1260-3               8.95        3329830 1847.736 UG/L
10) L2  Aroclor-1260-4               9.53        4989287 1943.026 UG/L
11) L2  Aroclor-1260-5              10.38        1690408 2120.739 UG/L
    Sum Aroclor-1260-1                     14857272 9367.462 UG/L
Average Aroclor-1260-1                                  1873.492 UG/L
```

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\2\DATA\101405\4GF26752.D Vial: 1
Acq On : 14 Oct 2005 12:51 Operator: ECL
Sample : WG198665-01 1660 ICAL 2000 PPB Inst : HP4
Misc : 1,1 SOS75-08 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 9:36 2005 Quant Results File: 1660F.RES

Quant Method : C:\HPCHEM\2\METHODS\1660F.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005 @ 14:45
Last Update : Mon Oct 17 09:36:21 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8082F.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

```
Data File : C:\HPCHEM\2\DATA\101405\4GF26753.D          Vial: 2
Acq On    : 14 Oct 2005  13:10                       Operator: ECL
Sample    : WG198665-02 1660 ICAL 1000 PPB           Inst    : HP4
Misc      : 1,1 SOS75-08                             Multiplr: 1.00
IntFile   : events.e
Quant Time: Oct 17  9:36 2005  Quant Results File: 1660F.RES

Quant Method : C:\HPCHEM\2\METHODS\1660F.M (Chemstation Integrator)
Title        : CALIBRATION October 14, 2005 @ 14:45
Last Update  : Mon Oct 17 09:36:38 2005
Response via : Initial Calibration
DataAcq Meth : 8082F.M

Volume Inj.  :
Signal Phase :
Signal Info  :
```

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.40	1415718	57.294 UG/L
Spiked Amount 20.000 Range 30 - 132		Recovery = 286.47%#	
12) S Decachlorobiphenyl	10.89	1125331	48.254 UG/L
Spiked Amount 20.000 Range 36 - 144		Recovery = 241.27%#	
Target Compounds			
2) L1 Aroclor-1016-1	5.22	597556	992.464 UG/L
3) L1 Aroclor-1016-2	5.81	1124082	948.637 UG/L
4) L1 Aroclor-1016-3	6.39	2099583	989.455 UG/L
5) L1 Aroclor-1016-4	6.56	994795	997.767 UG/L
6) L1 Aroclor-1016-5	7.24	785803	1030.706 UG/L
Sum Aroclor-1016-1		5601820	4959.029 UG/L
Average Aroclor-1016-1			991.806 UG/L
7) L2 Aroclor-1260-1	8.39	1207572	932.990 UG/L
8) L2 Aroclor-1260-2	8.59	1459716	939.303 UG/L
9) L2 Aroclor-1260-3	8.93	1794197	983.949 UG/L
10) L2 Aroclor-1260-4	9.52	2615187	998.762 UG/L
11) L2 Aroclor-1260-5	10.37	837578	1042.570 UG/L
Sum Aroclor-1260-1		7914250	4897.574 UG/L
Average Aroclor-1260-1			979.515 UG/L

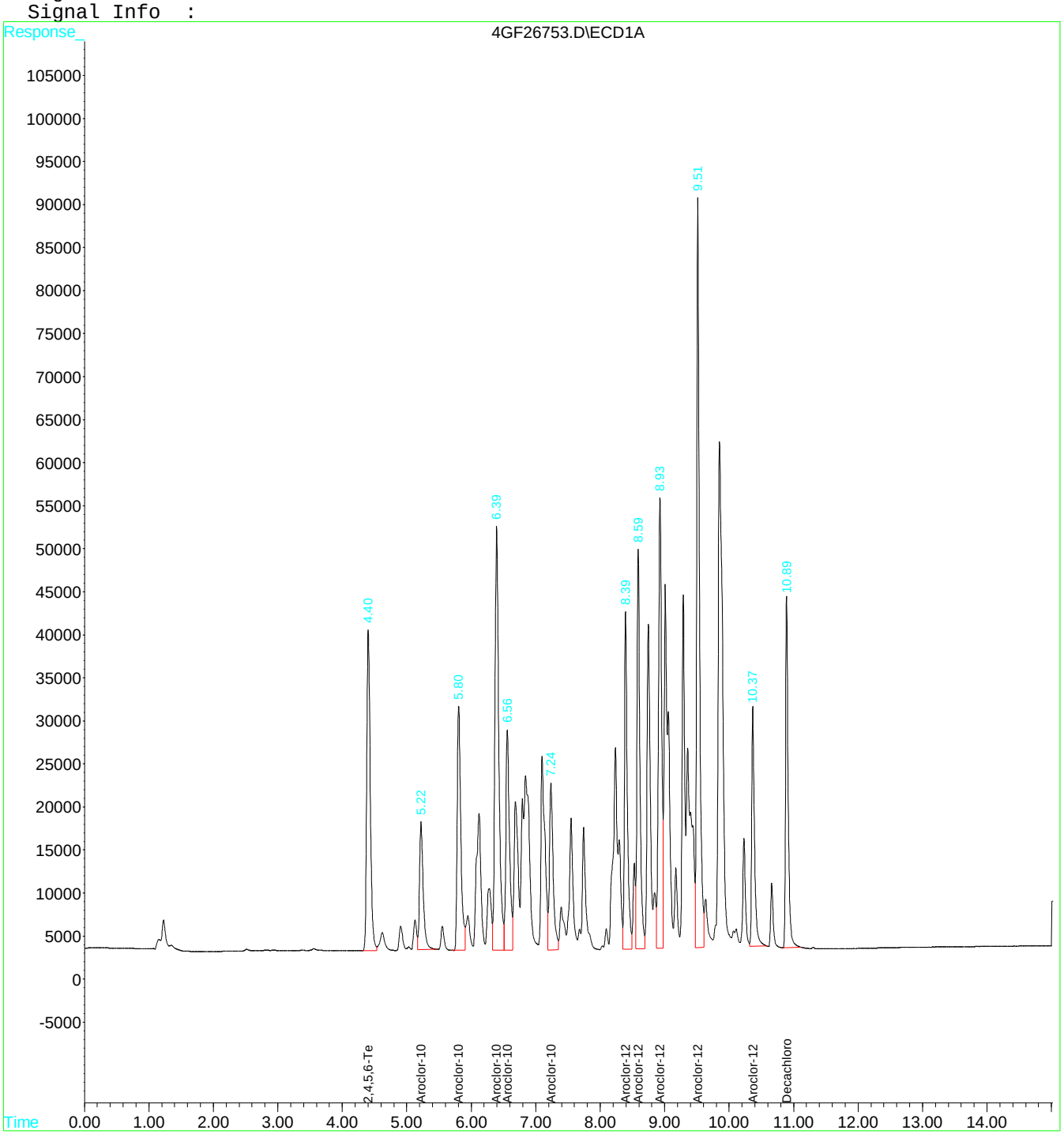
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\2\DATA\101405\4GF26753.D Vial: 2
Acq On : 14 Oct 2005 13:10 Operator: ECL
Sample : WG198665-02 1660 ICAL 1000 PPB Inst : HP4
Misc : 1,1 SOS75-08 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 9:36 2005 Quant Results File: 1660F.RES

Quant Method : C:\HPCHEM\2\METHODS\1660F.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005 @ 14:45
Last Update : Mon Oct 17 09:36:38 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8082F.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

```
Data File : C:\HPCHEM\2\DATA\101405\4GF26754.D          Vial: 3
Acq On    : 14 Oct 2005  13:29                       Operator: ECL
Sample    : WG198665-03 1660 ICAL 500 PPB            Inst    : HP4
Misc      : 1,1 SOS75-08                             Multiplr: 1.00
IntFile   : events.e
Quant Time: Oct 17  9:37 2005  Quant Results File: 1660F.RES

Quant Method : C:\HPCHEM\2\METHODS\1660F.M (Chemstation Integrator)
Title        : CALIBRATION October 14, 2005 @ 14:45
Last Update  : Mon Oct 17 09:36:59 2005
Response via : Initial Calibration
DataAcq Meth : 8082F.M

Volume Inj.  :
Signal Phase :
Signal Info  :
```

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.41	716810	28.091 UG/L
Spiked Amount 20.000 Range 30 - 132		Recovery = 140.45%#	
12) S Decachlorobiphenyl	10.90	618388	26.057 UG/L
Spiked Amount 20.000 Range 36 - 144		Recovery = 130.29%	
Target Compounds			
2) L1 Aroclor-1016-1	5.23	331715	534.164 UG/L
3) L1 Aroclor-1016-2	5.81	638223	526.225 UG/L
4) L1 Aroclor-1016-3	6.40	1164299	533.454 UG/L
5) L1 Aroclor-1016-4	6.57	550258	536.125 UG/L
6) L1 Aroclor-1016-5	7.24	426338	545.313 UG/L
Sum Aroclor-1016-1		3110833	2675.280 UG/L
Average Aroclor-1016-1			535.056 UG/L
7) L2 Aroclor-1260-1	8.40	680849	513.371 UG/L
8) L2 Aroclor-1260-2	8.60	819507	514.271 UG/L
9) L2 Aroclor-1260-3	8.94	977288	524.579 UG/L
10) L2 Aroclor-1260-4	9.52	1411103	524.741 UG/L
11) L2 Aroclor-1260-5	10.38	430724	530.720 UG/L
Sum Aroclor-1260-1		4319471	2607.682 UG/L
Average Aroclor-1260-1			521.536 UG/L

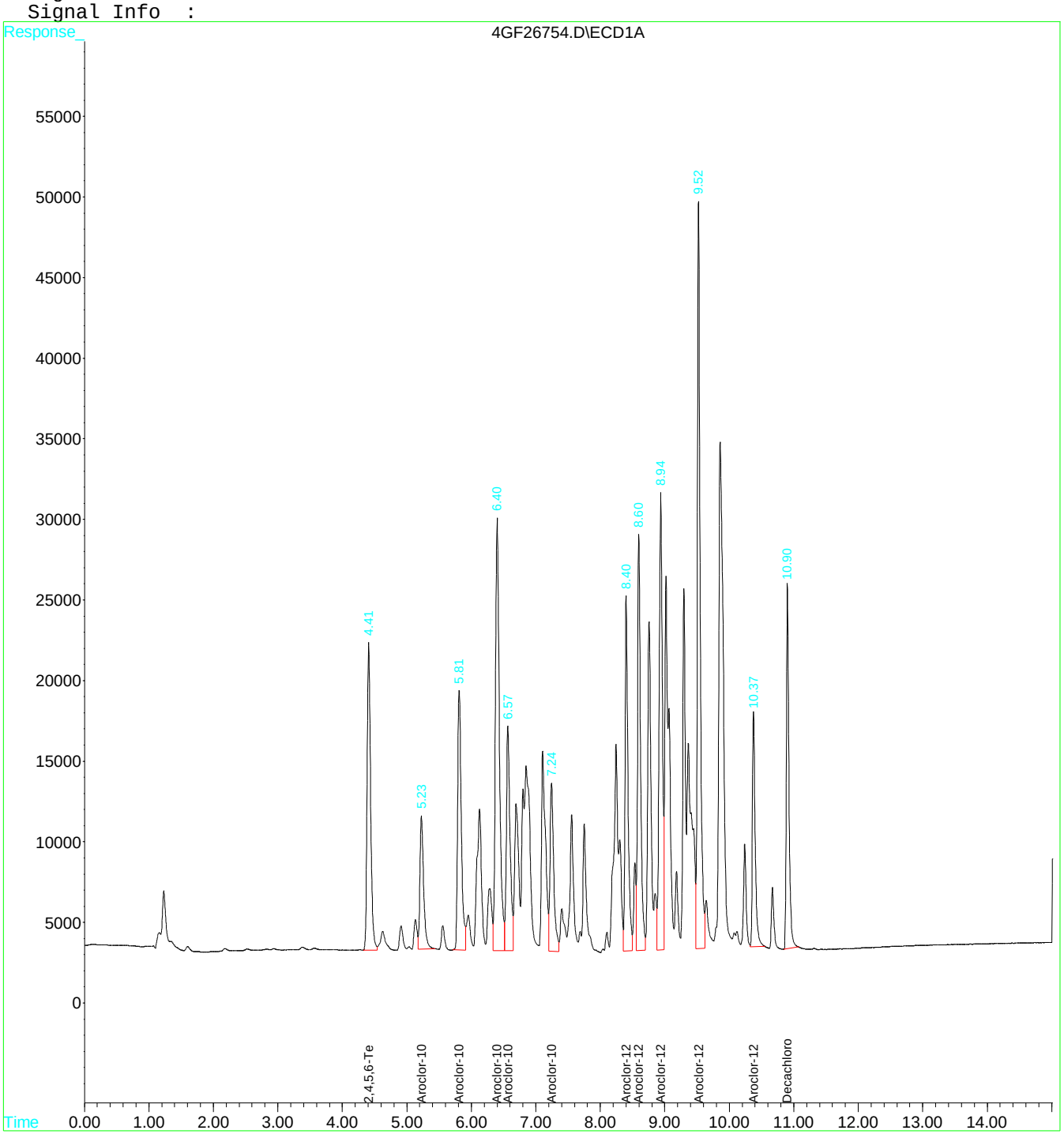
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\2\DATA\101405\4GF26754.D Vial: 3
Acq On : 14 Oct 2005 13:29 Operator: ECL
Sample : WG198665-03 1660 ICAL 500 PPB Inst : HP4
Misc : 1,1 SOS75-08 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 9:37 2005 Quant Results File: 1660F.RES

Quant Method : C:\HPCHEM\2\METHODS\1660F.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005 @ 14:45
Last Update : Mon Oct 17 09:36:59 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8082F.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

```
Data File : C:\HPCHEM\2\DATA\101405\4GF26755.D          Vial: 4
Acq On    : 14 Oct 2005  13:48                       Operator: ECL
Sample    : WG198665-04 1660 ICAL 250 PPB            Inst    : HP4
Misc      : 1,1 SOS75-08                             Multiplr: 1.00
IntFile   : events.e
Quant Time: Oct 17  9:37 2005  Quant Results File: 1660F.RES

Quant Method : C:\HPCHEM\2\METHODS\1660F.M (Chemstation Integrator)
Title        : CALIBRATION October 14, 2005 @ 14:45
Last Update  : Mon Oct 17 09:37:18 2005
Response via : Initial Calibration
DataAcq Meth : 8082F.M

Volume Inj.  :
Signal Phase :
Signal Info  :
```

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.41	347585	13.257 UG/L
Spiked Amount 20.000 Range 30 - 132		Recovery =	66.28%
12) S Decachlorobiphenyl	10.90	329631	13.642 UG/L
Spiked Amount 20.000 Range 36 - 144		Recovery =	68.21%
Target Compounds			
2) L1 Aroclor-1016-1	5.23	178950	279.716 UG/L
3) L1 Aroclor-1016-2	5.82	356439	286.388 UG/L
4) L1 Aroclor-1016-3	6.40	643718	285.839 UG/L
5) L1 Aroclor-1016-4	6.57	306676	288.966 UG/L
6) L1 Aroclor-1016-5	7.25	226210	281.392 UG/L
Sum Aroclor-1016-1		1711994	1422.300 UG/L
Average Aroclor-1016-1			284.460 UG/L
7) L2 Aroclor-1260-1	8.40	380613	280.072 UG/L
8) L2 Aroclor-1260-2	8.60	460409	280.910 UG/L
9) L2 Aroclor-1260-3	8.94	525067	275.537 UG/L
10) L2 Aroclor-1260-4	9.53	759327	274.892 UG/L
11) L2 Aroclor-1260-5	10.38	220250	267.061 UG/L
Sum Aroclor-1260-1		2345666	1378.473 UG/L
Average Aroclor-1260-1			275.695 UG/L

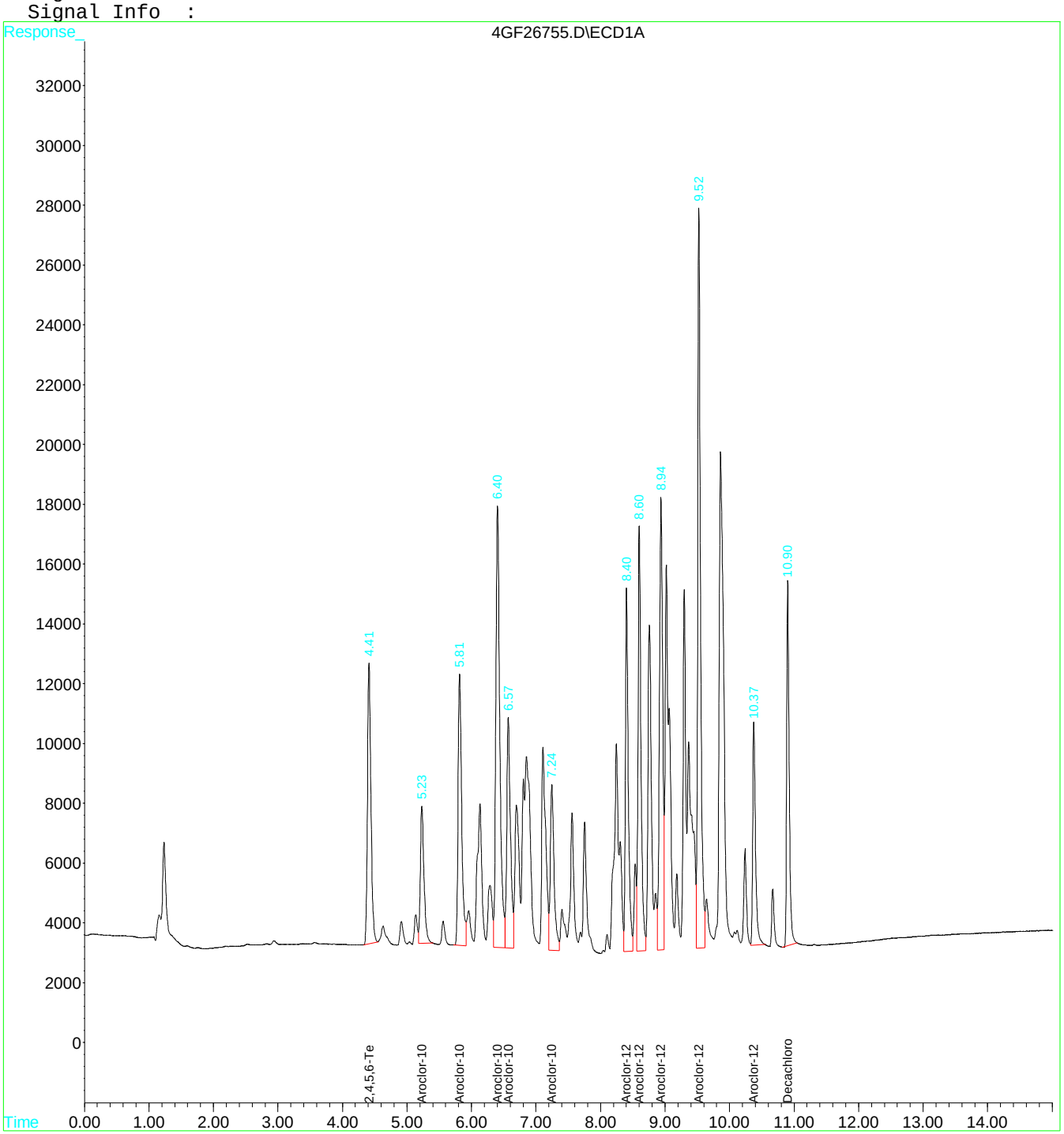
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\2\DATA\101405\4GF26755.D Vial: 4
Acq On : 14 Oct 2005 13:48 Operator: ECL
Sample : WG198665-04 1660 ICAL 250 PPB Inst : HP4
Misc : 1,1 SOS75-08 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 9:37 2005 Quant Results File: 1660F.RES

Quant Method : C:\HPCHEM\2\METHODS\1660F.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005 @ 14:45
Last Update : Mon Oct 17 09:37:18 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8082F.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

```
Data File : C:\HPCHEM\2\DATA\101405\4GF26756.D          Vial: 5
Acq On    : 14 Oct 2005  14:07                       Operator: ECL
Sample    : WG198665-05 1660 ICAL 100 PPB            Inst    : HP4
Misc      : 1,1 SOS75-08                             Multiplr: 1.00
IntFile   : events.e
Quant Time: Oct 17  9:37 2005  Quant Results File: 1660F.RES

Quant Method : C:\HPCHEM\2\METHODS\1660F.M (Chemstation Integrator)
Title        : CALIBRATION October 14, 2005 @ 14:45
Last Update  : Mon Oct 17 09:37:36 2005
Response via : Initial Calibration
DataAcq Meth : 8082F.M

Volume Inj.  :
Signal Phase :
Signal Info  :
```

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.43	138033	5.103 UG/L
Spiked Amount 20.000 Range 30 - 132		Recovery =	25.52%#
12) S Decachlorobiphenyl	10.91	138227	5.626 UG/L
Spiked Amount 20.000 Range 36 - 144		Recovery =	28.13%#
Target Compounds			
2) L1 Aroclor-1016-1	5.24	77001	116.784 UG/L
3) L1 Aroclor-1016-2	5.83	142838	113.691 UG/L
4) L1 Aroclor-1016-3	6.42	274458	117.828 UG/L
5) L1 Aroclor-1016-4	6.58	128396	116.827 UG/L
6) L1 Aroclor-1016-5	7.26	88404	107.215 UG/L
Sum Aroclor-1016-1		711096	572.346 UG/L
Average Aroclor-1016-1			114.469 UG/L
7) L2 Aroclor-1260-1	8.41	167291	119.975 UG/L
8) L2 Aroclor-1260-2	8.61	199569	118.739 UG/L
9) L2 Aroclor-1260-3	8.95	218063	112.151 UG/L
10) L2 Aroclor-1260-4	9.53	290188	104.725 UG/L
11) L2 Aroclor-1260-5	10.38	87273	103.737 UG/L
Sum Aroclor-1260-1		962384	559.327 UG/L
Average Aroclor-1260-1			111.865 UG/L

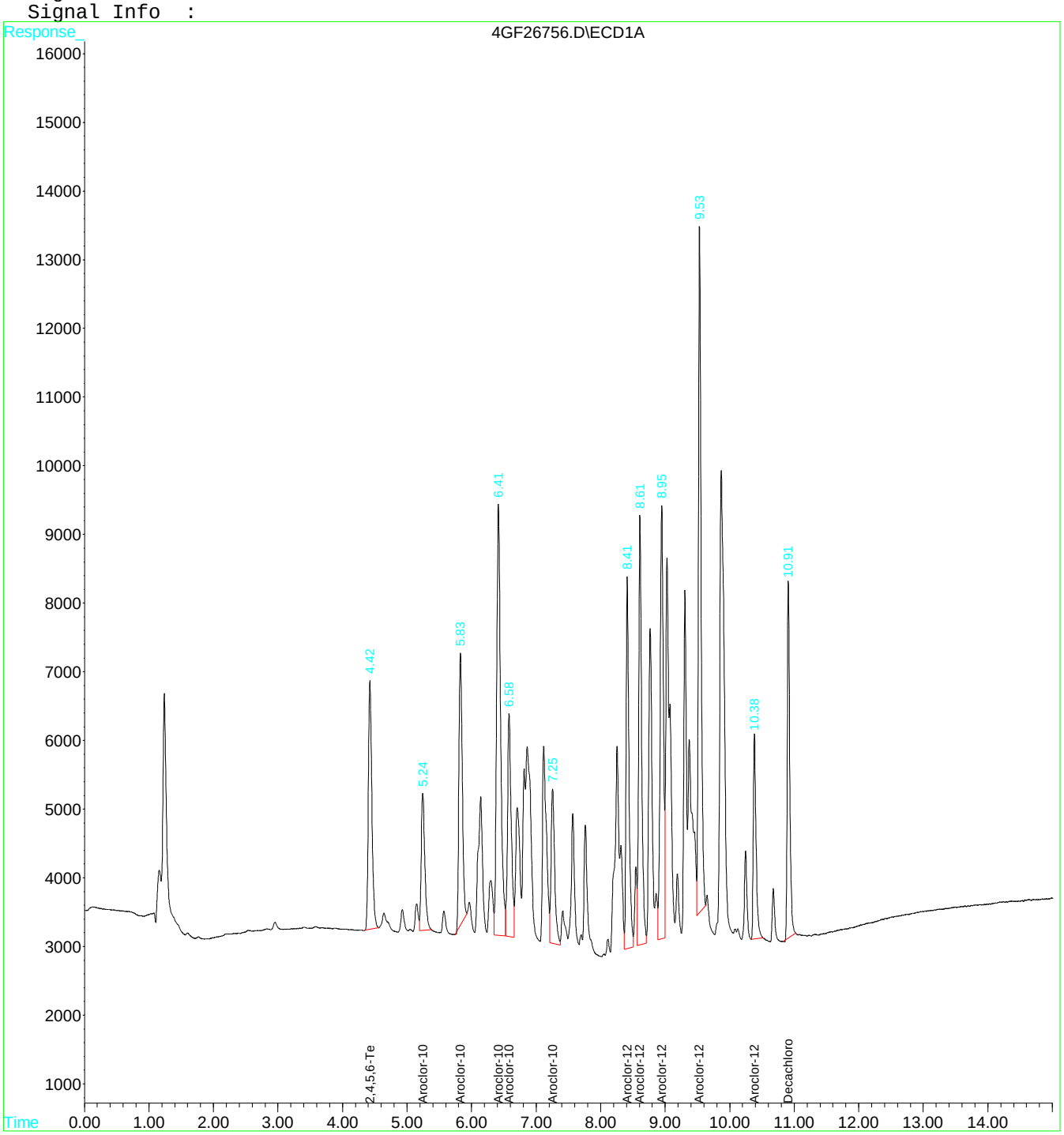
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\2\DATA\101405\4GF26756.D Vial: 5
Acq On : 14 Oct 2005 14:07 Operator: ECL
Sample : WG198665-05 1660 ICAL 100 PPB Inst : HP4
Misc : 1,1 SOS75-08 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 9:37 2005 Quant Results File: 1660F.RES

Quant Method : C:\HPCHEM\2\METHODS\1660F.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005 @ 14:45
Last Update : Mon Oct 17 09:37:36 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8082F.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

```
Data File : C:\HPCHEM\2\DATA\101405\4GF26757.D          Vial: 6
Acq On    : 14 Oct 2005  14:26                       Operator: ECL
Sample    : WG198665-06 1660 ICAL 50 PPB             Inst    : HP4
Misc      : 1,1 SOS75-08                             Multiplr: 1.00
IntFile   : events.e
Quant Time: Oct 17  9:38 2005  Quant Results File: 1660F.RES

Quant Method : C:\HPCHEM\2\METHODS\1660F.M (Chemstation Integrator)
Title        : CALIBRATION October 14, 2005 @ 14:45
Last Update  : Mon Oct 17 09:38:14 2005
Response via : Initial Calibration
DataAcq Meth : 8082F.M

Volume Inj.  :
Signal Phase :
Signal Info  :
```

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.42	67861	2.433 UG/L
Spiked Amount 20.000 Range 30 - 132		Recovery =	12.16%#
12) S Decachlorobiphenyl	10.91	68044	2.733 UG/L
Spiked Amount 20.000 Range 36 - 144		Recovery =	13.66%#
Target Compounds			
2) L1 Aroclor-1016-1	5.24	38637	56.979 UG/L
3) L1 Aroclor-1016-2	5.83	75781	58.594 UG/L
4) L1 Aroclor-1016-3	6.42	141846	58.838 UG/L
5) L1 Aroclor-1016-4	6.58	65904	57.993 UG/L
6) L1 Aroclor-1016-5	7.26	43503	51.824 UG/L
Sum Aroclor-1016-1		365671	284.227 UG/L
Average Aroclor-1016-1			56.845 UG/L
7) L2 Aroclor-1260-1	8.42	87532	60.990 UG/L
8) L2 Aroclor-1260-2	8.61	104294	60.460 UG/L
9) L2 Aroclor-1260-3	8.95	111242	55.997 UG/L
10) L2 Aroclor-1260-4	9.54	128631	46.935 UG/L
11) L2 Aroclor-1260-5	10.39	41706	48.759 UG/L
Sum Aroclor-1260-1		473405	273.141 UG/L
Average Aroclor-1260-1			54.628 UG/L

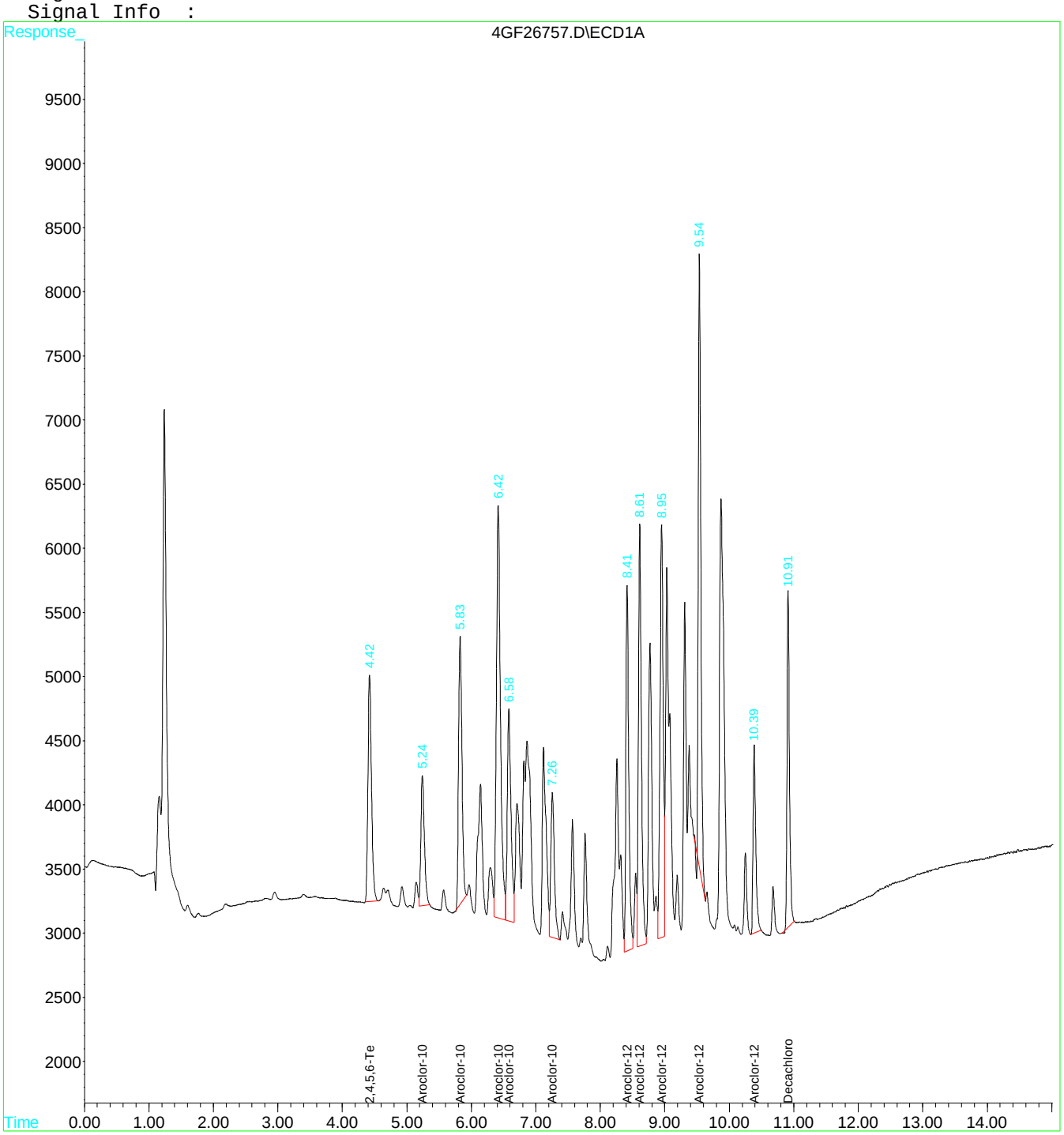
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\2\DATA\101405\4GF26757.D Vial: 6
Acq On : 14 Oct 2005 14:26 Operator: ECL
Sample : WG198665-06 1660 ICAL 50 PPB Inst : HP4
Misc : 1,1 SOS75-08 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 9:38 2005 Quant Results File: 1660F.RES

Quant Method : C:\HPCHEM\2\METHODS\1660F.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005 @ 14:45
Last Update : Mon Oct 17 09:38:14 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8082F.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

```
Data File : C:\HPCHEM\2\DATA\101405\4GF26758.D          Vial: 7
Acq On    : 14 Oct 2005  14:45                      Operator: ECL
Sample    : WG198665-07 1660 ALT 250 PPB            Inst    : HP4
Misc      : 1,1 SOS76-39                            Multiplr: 1.00
IntFile   : events.e
Quant Time: Oct 17  9:39 2005  Quant Results File: 1660F.RES

Quant Method : C:\HPCHEM\2\METHODS\1660F.M (Chemstation Integrator)
Title        : CALIBRATION October 14, 2005 @ 14:45
Last Update  : Mon Oct 17 09:38:14 2005
Response via : Initial Calibration
DataAcq Meth : 8082F.M

Volume Inj.  :
Signal Phase :
Signal Info  :
```

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.42	337851	12.112 UG/L
Spiked Amount 20.000 Range 30 - 132		Recovery =	60.56%
12) S Decachlorobiphenyl	10.91	320113	12.857 UG/L
Spiked Amount 20.000 Range 36 - 144		Recovery =	64.28%
Target Compounds			
2) L1 Aroclor-1016-1	5.24	172167	253.900 UG/L
3) L1 Aroclor-1016-2	5.82	342887	265.119 UG/L
4) L1 Aroclor-1016-3	6.41	614033	254.705 UG/L
5) L1 Aroclor-1016-4	6.58	292615	257.490 UG/L
6) L1 Aroclor-1016-5	7.25	213881	254.786 UG/L
Sum Aroclor-1016-1		1635584	1286.000 UG/L
Average Aroclor-1016-1			257.200 UG/L
7) L2 Aroclor-1260-1	8.41	391693	272.924 UG/L
8) L2 Aroclor-1260-2	8.61	464884	269.497 UG/L
9) L2 Aroclor-1260-3	8.95	563394	283.601 UG/L
10) L2 Aroclor-1260-4	9.53	696289	254.061 UG/L
11) L2 Aroclor-1260-5	10.38	184864	216.128 UG/L
Sum Aroclor-1260-1		2301125	1296.211 UG/L
Average Aroclor-1260-1			259.242 UG/L

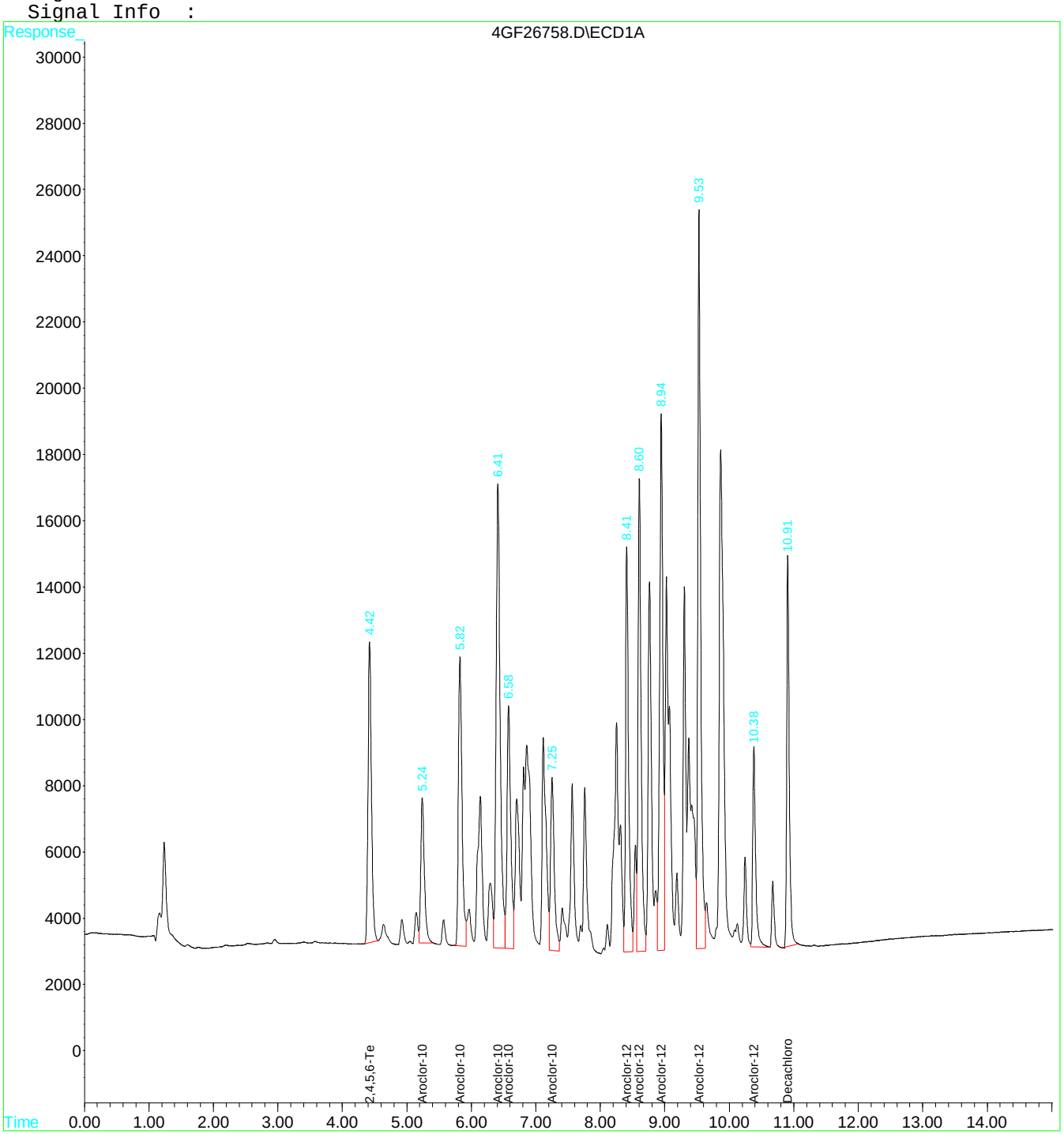
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\2\DATA\101405\4GF26758.D Vial: 7
Acq On : 14 Oct 2005 14:45 Operator: ECL
Sample : WG198665-07 1660 ALT 250 PPB Inst : HP4
Misc : 1,1 SOS76-39 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 9:39 2005 Quant Results File: 1660F.RES

Quant Method : C:\HPCHEM\2\METHODS\1660F.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005 @ 14:45
Last Update : Mon Oct 17 09:38:14 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8082F.M

Volume Inj. :
Signal Phase :
Signal Info :



Response Factor Report HP4

Method : C:\HPCHEM\2\METHODS\1254SF.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005
Last Update : Mon Oct 17 09:44:46 2005

Calibration Files
= = 500 =4GF26759.D
= =

		Compound	500	Avg	%RSD
1)	S	2,4,5,6-Tetrachloro-M	2.914	2.914 E4	0.00
2)	L1	Aroclor-1254-1	1.448	1.448 E3	0.00
3)	L1	Aroclor-1254-2	1.133	1.133 E3	0.00
4)	L1	Aroclor-1254-3	2.084	2.084 E3	0.00
5)	L1	Aroclor-1254-4	2.024	2.024 E3	0.00
6)	L1	Aroclor-1254-5	1.859	1.859 E3	0.00
7)	S	Decachlorobiphenyl	2.999	2.999 E4	0.00

(#) = Out of Range

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\2\DATA\101405\4GF26759.D Vial: 8
Acq On : 14 Oct 2005 15:04 Operator: ECL
Sample : 1254 500 PPB Inst : HP4
Misc : 1,1 SOS76-36 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 9:44 2005 Quant Results File: 1254SF.RES

Quant Method : C:\HPCHEM\2\METHODS\1254SF.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005
Last Update : Mon Oct 17 09:44:46 2005
Response via : Initial Calibration
DataAcq Meth : 8082F.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.41	728406	25.000 UG/L
Spiked Amount 20.000 Range 30 - 132		Recovery = 125.00%	
7) S Decachlorobiphenyl	10.90	749653	25.000 UG/L
Spiked Amount 20.000 Range 36 - 144		Recovery = 125.00%	
Target Compounds			
2) L1 Aroclor-1254-1	7.56	723796	500.000 UG/L
3) L1 Aroclor-1254-2	7.75	566544	500.000 UG/L
4) L1 Aroclor-1254-3	8.22	1042213	500.000 UG/L
5) L1 Aroclor-1254-4	8.44	1012104	500.000 UG/L
6) L1 Aroclor-1254-5	8.94	929503	500.000 UG/L
Sum Aroclor-1254-1		4274159	2500.000 UG/L
Average Aroclor-1254-1			500.000 UG/L

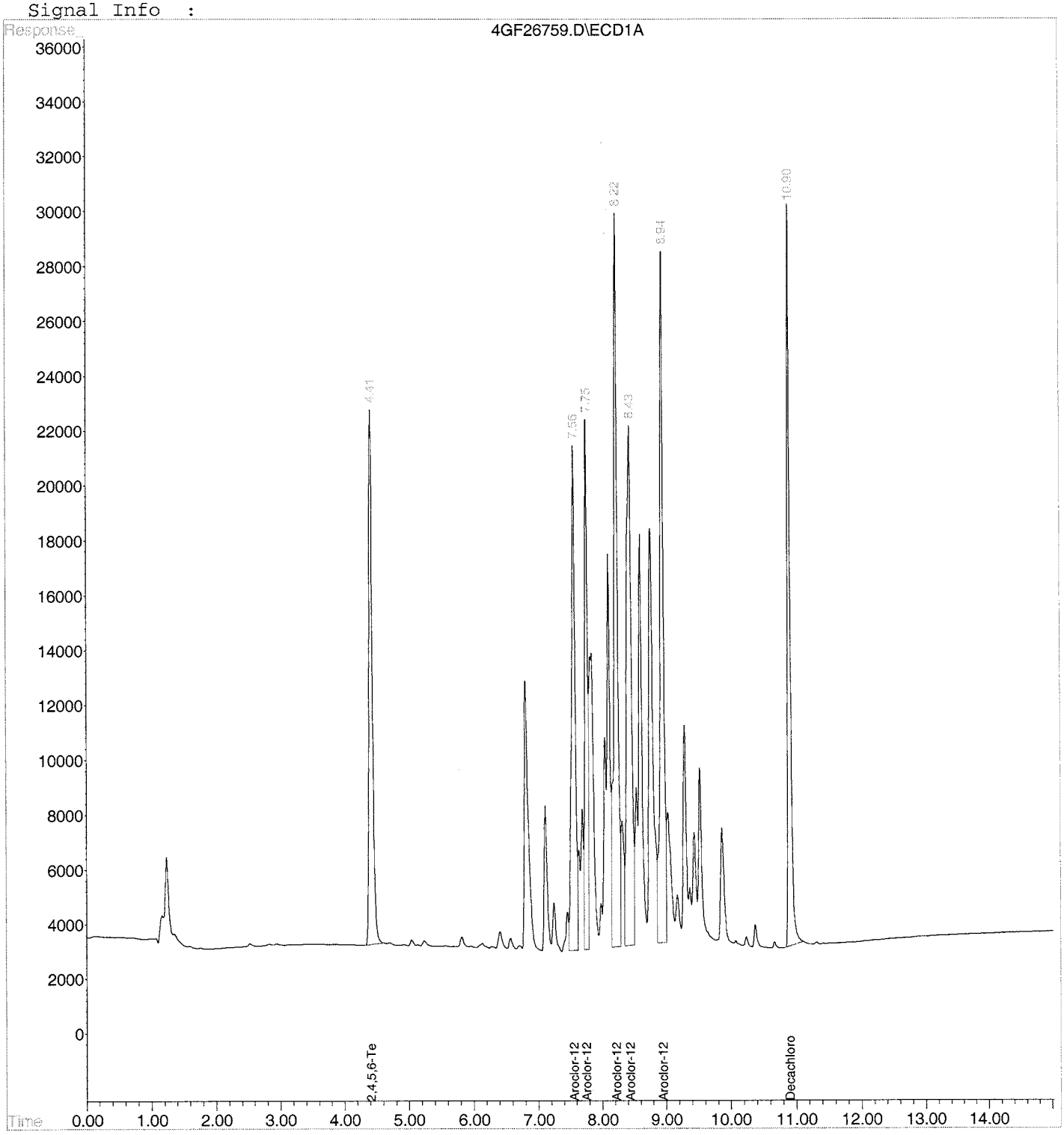
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\2\DATA\101405\4GF26759.D Vial: 8
Acq On : 14 Oct 2005 15:04 Operator: ECL
Sample : 1254 500 PPB Inst : HP4
Misc : 1,1 SOS76-36 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 9:44 2005 Quant Results File: 1254SF.RES

Quant Method : C:\HPCHEM\2\METHODS\1254SF.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005
Last Update : Mon Oct 17 09:44:46 2005
Response via : Single Level Calibration
DataAcq Meth : 8082F.M

Volume Inj. :
Signal Phase :
Signal Info :



Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\2\DATA\101405\4GF26760.D Vial: 9
Acq On : 14 Oct 2005 15:23 Operator: ECL
Sample : 1254 ALT 500 PPB Inst : HP4
Misc : 1,1 SOS76-40 Multiplr: 1.00
IntFile : events.e

Method : C:\HPCHEM\2\METHODS\1254SF.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005
Last Update : Mon Oct 17 09:44:46 2005
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
2	L1	Aroclor-1254-1	500.000	531.901	-6.4	106	0.00
3	L1	Aroclor-1254-2	500.000	496.020	0.8	99	0.00
4	L1	Aroclor-1254-3	500.000	455.015	9.0	91	0.00
5	L1	Aroclor-1254-4	500.000	510.250	-2.1	102	0.00
6	L1	Aroclor-1254-5	500.000	482.244	3.6	96	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4GF26760.D 1254SF.M Mon Oct 17 09:45:08 2005 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\2\DATA\101405\4GF26760.D Vial: 9
Acq On : 14 Oct 2005 15:23 Operator: ECL
Sample : 1254 ALT 500 PPB Inst : HP4
Misc : 1,1 SOS76-40 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 9:45 2005 Quant Results File: 1254SF.RES

Quant Method : C:\HPCHEM\2\METHODS\1254SF.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005
Last Update : Mon Oct 17 09:44:46 2005
Response via : Initial Calibration
DataAcq Meth : 8082F.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 2,4,5,6-Tetrachloro-M-Xyle	0.00	0	N.D. UG/L
Spiked Amount 20.000 Range 30 - 132		Recovery =	0.00%#
7) S Decachlorobiphenyl	0.00	0	N.D. UG/L
Spiked Amount 20.000 Range 36 - 144		Recovery =	0.00%#
Target Compounds			
2) L1 Aroclor-1254-1	7.56	769976	531.901 UG/L
3) L1 Aroclor-1254-2	7.75	562034	496.020 UG/L
4) L1 Aroclor-1254-3	8.22	948445	455.015 UG/L
5) L1 Aroclor-1254-4	8.44	1032852	510.250 UG/L
6) L1 Aroclor-1254-5	8.94	896495	482.244 UG/L
Sum Aroclor-1254-1		4209802	2475.431 UG/L
Average Aroclor-1254-1			495.086 UG/L

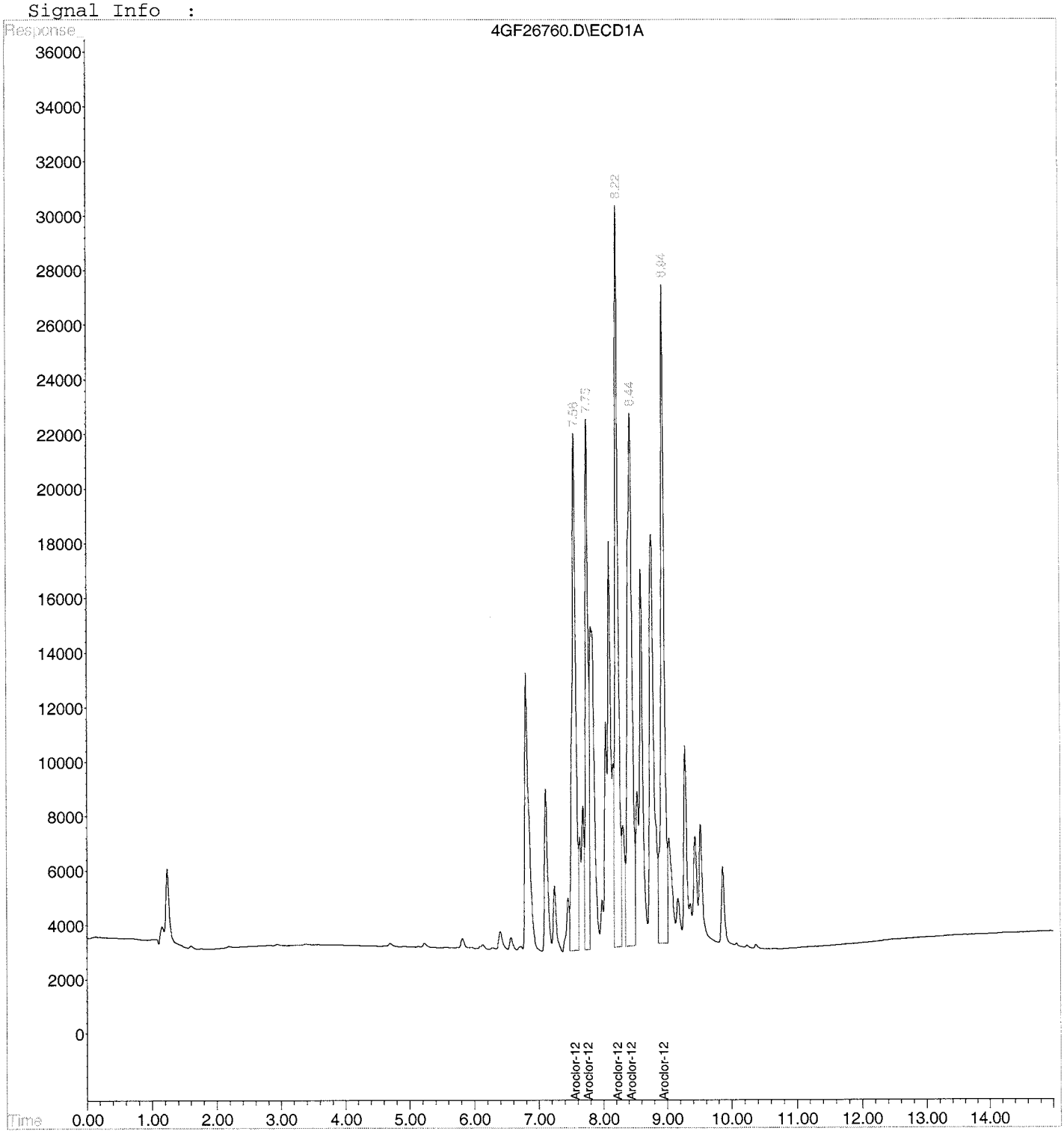
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\2\DATA\101405\4GF26760.D Vial: 9
Acq On : 14 Oct 2005 15:23 Operator: ECL
Sample : 1254 ALT 500 PPB Inst : HP4
Misc : 1,1 SOS76-40 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 9:45 2005 Quant Results File: 1254SF.RES

Quant Method : C:\HPCHEM\2\METHODS\1254SF.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005
Last Update : Mon Oct 17 09:44:46 2005
Response via : Single Level Calibration
DataAcq Meth : 8082F.M

Volume Inj. :
Signal Phase :
Signal Info :



Response Factor Report HP4

Method : C:\HPCHEM\2\METHODS\1248SF.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005
Last Update : Mon Oct 17 09:46:14 2005

Calibration Files
500 =4GF26761.D = =
= =

		Compound	500	Avg	%RSD
1)	S	2,4,5,6-Tetrachloro-M	2.861	2.861#E4	0.00
2)	L1	Aroclor-1248-1	5.084	5.084#E2	0.00
3)	L1	Aroclor-1248-2	1.151	1.151#E3	0.00
4)	L1	Aroclor-1248-3	1.057	1.057#E3	0.00
5)	L1	Aroclor-1248-4	1.359	1.359#E3	0.00
6)	L1	Aroclor-1248-5	4.586	4.586#E2	0.00
7)	S	Decachlorobiphenyl	2.976	2.976#E4	0.00

(#) = Out of Range

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\2\DATA\101405\4GF26761.D Vial: 10
Acq On : 14 Oct 2005 15:42 Operator: ECL
Sample : 1248 500 PPB Inst : HP4
Misc : 1,1 SOS76-37 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 9:46 2005 Quant Results File: 1248SF.RES

Quant Method : C:\HPCHEM\2\METHODS\1248SF.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005
Last Update : Mon Oct 17 09:46:14 2005
Response via : Initial Calibration
DataAcq Meth : 8082F.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.42	715227	25.000	UG/L
Spiked Amount 20.000		Recovery =	125.00%	
7) S Decachlorobiphenyl	10.90	744071	25.000	UG/L
Spiked Amount 20.000		Recovery =	125.00%	
Target Compounds				
2) L1 Aroclor-1248-1	5.82	254222	500.000	UG/L
3) L1 Aroclor-1248-2	7.11	575451	500.000	UG/L
4) L1 Aroclor-1248-3	7.24	528275	500.000	UG/L
5) L1 Aroclor-1248-4	7.81	679712	500.000	UG/L
6) L1 Aroclor-1248-5	8.22	229319	500.000	UG/L
Sum Aroclor-1248-1		2266979	2500.000	UG/L
Average Aroclor-1248-1			500.000	UG/L

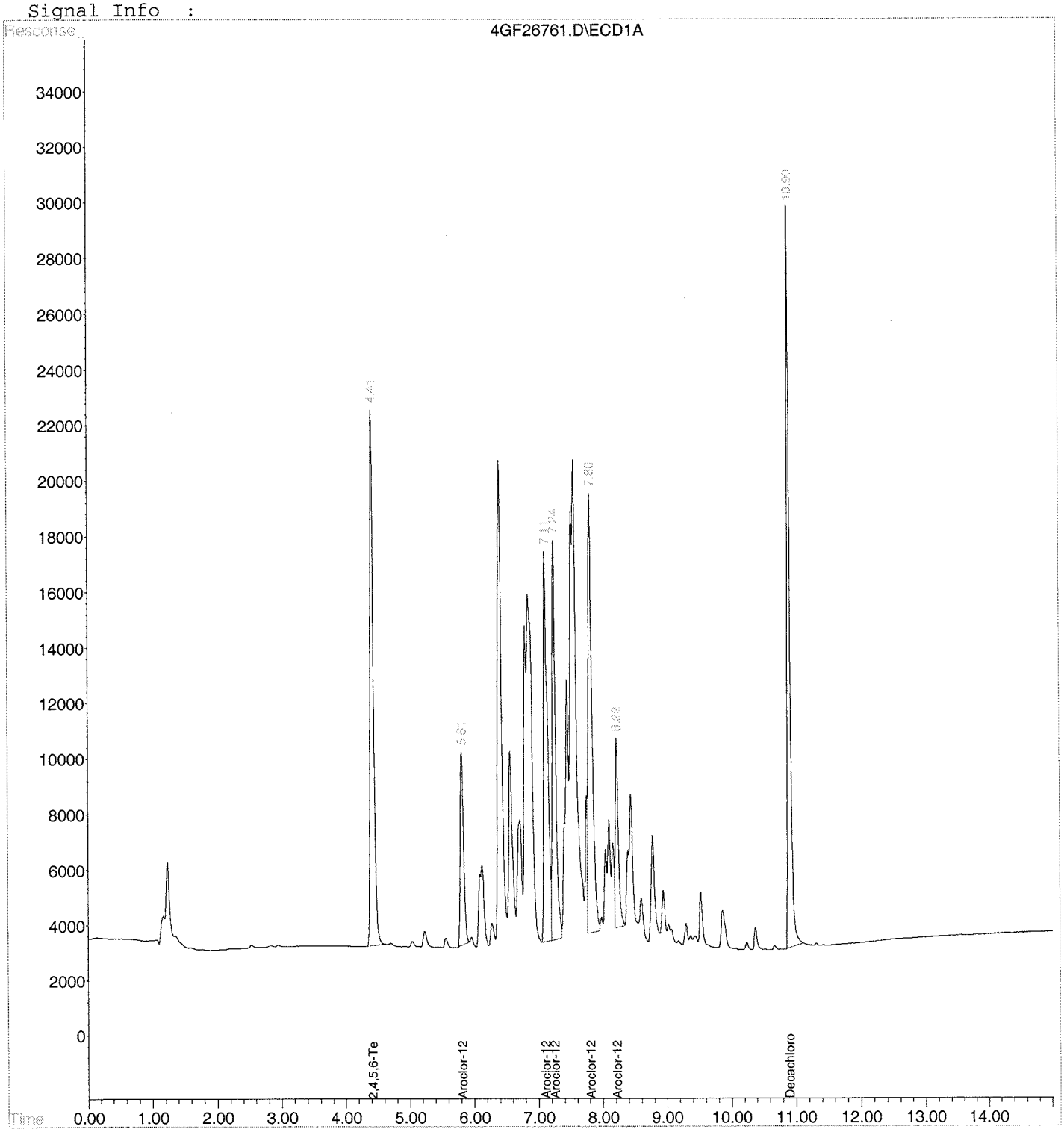
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\2\DATA\101405\4GF26761.D Vial: 10
Acq On : 14 Oct 2005 15:42 Operator: ECL
Sample : 1248 500 PPB Inst : HP4
Misc : 1,1 SOS76-37 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 9:46 2005 Quant Results File: 1248SF.RES

Quant Method : C:\HPCHEM\2\METHODS\1248SF.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005
Last Update : Mon Oct 17 09:46:14 2005
Response via : Single Level Calibration
DataAcq Meth : 8082F.M

Volume Inj. :
Signal Phase :
Signal Info :



Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\2\DATA\101405\4GF26762.D Vial: 11
Acq On : 14 Oct 2005 16:01 Operator: ECL
Sample : 1248 ALT 500 PPB Inst : HP4
Misc : 1,1 SOS76-37 Multiplr: 1.00
IntFile : events.e

Method : C:\HPCHEM\2\METHODS\1248SF.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005
Last Update : Mon Oct 17 09:46:14 2005
Response via : Single Level Calibration

Min. RRF : 15.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
2	L1	Aroclor-1248-1	500.000	461.740	7.7	92	0.00
3	L1	Aroclor-1248-2	500.000	512.038	-2.4	102	0.00
4	L1	Aroclor-1248-3	500.000	474.090	5.2	95	0.00
5	L1	Aroclor-1248-4	500.000	486.208	2.8	97	0.00
6	L1	Aroclor-1248-5	500.000	586.712	-17.3#	117	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4GF26762.D 1248SF.M Mon Oct 17 09:47:15 2005 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\2\DATA\101405\4GF26762.D Vial: 11
Acq On : 14 Oct 2005 16:01 Operator: ECL
Sample : 1248 ALT 500 PPB Inst : HP4
Misc : 1,1 SOS76-37 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 9:46 2005 Quant Results File: 1248SF.RES

Quant Method : C:\HPCHEM\2\METHODS\1248SF.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005
Last Update : Mon Oct 17 09:46:14 2005
Response via : Initial Calibration
DataAcq Meth : 8082F.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S 2,4,5,6-Tetrachloro-M-Xyle	0.00	0	N.D.	UG/L
Spiked Amount 20.000	Recovery	=	0.00%	
7) S Decachlorobiphenyl	0.00	0	N.D.	UG/L
Spiked Amount 20.000	Recovery	=	0.00%	
Target Compounds				
2) L1 Aroclor-1248-1	5.81	234769	461.740	UG/L
3) L1 Aroclor-1248-2	7.11	589305	512.038	UG/L
4) L1 Aroclor-1248-3	7.24	500900	474.090	UG/L
5) L1 Aroclor-1248-4	7.81	660962	486.208	UG/L
6) L1 Aroclor-1248-5	8.22	269088	586.712	UG/L
Sum Aroclor-1248-1		2255025	2520.788	UG/L
Average Aroclor-1248-1			504.158	UG/L

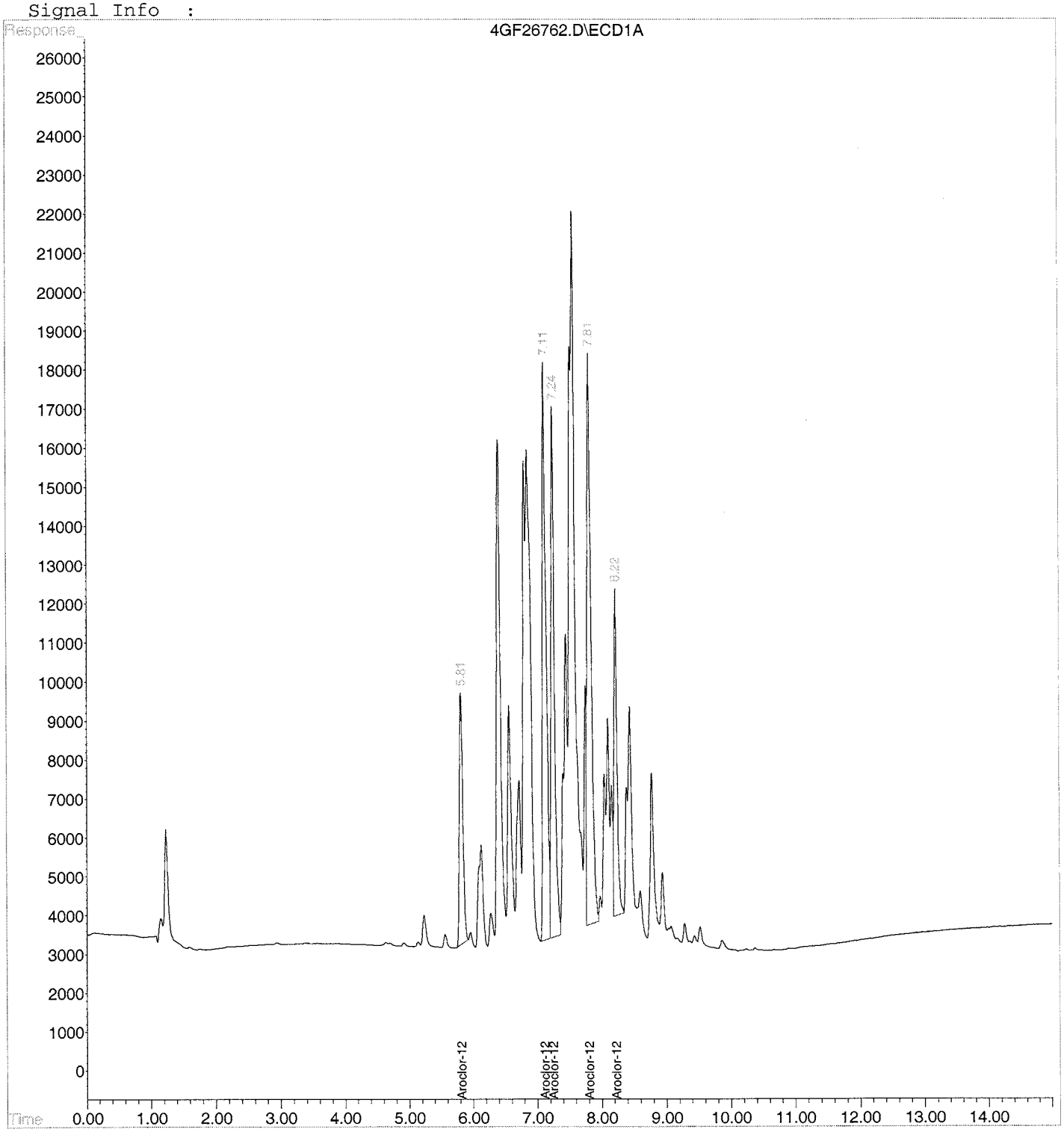
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\2\DATA\101405\4GF26762.D Vial: 11
Acq On : 14 Oct 2005 16:01 Operator: ECL
Sample : 1248 ALT 500 PPB Inst : HP4
Misc : 1,1 SOS76-37 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 9:46 2005 Quant Results File: 1248SF.RES

Quant Method : C:\HPCHEM\2\METHODS\1248SF.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005
Last Update : Mon Oct 17 09:46:14 2005
Response via : Single Level Calibration
DataAcq Meth : 8082F.M

Volume Inj. :
Signal Phase :
Signal Info :



Response Factor Report HP4

Method : C:\HPCHEM\2\METHODS\1242SF.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005
Last Update : Mon Oct 17 09:48:07 2005

Calibration Files
500 =4GF26763.D = =
= =

		Compound	500	Avg	%RSD
1)	S	2,4,5,6-Tetrachloro-M	2.760	2.760#E4	0.00
2)	L1	Aroclor-1242-1	5.433	5.433#E2	0.00
3)	L1	Aroclor-1242-2	9.781	9.781#E2	0.00
4)	L1	Aroclor-1242-3	8.285	8.285#E2	0.00
5)	L1	Aroclor-1242-4	7.420	7.420#E2	0.00
6)	L1	Aroclor-1242-5	8.429	8.429#E2	0.00
7)	S	Decachlorobiphenyl	2.350	2.350#E4	0.00

#) = Out of Range

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\2\DATA\101405\4GF26763.D Vial: 12
Acq On : 14 Oct 2005 16:20 Operator: ECL
Sample : 1242 500 PPB Inst : HP4
Misc : 1,1 SOS76-38 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 9:48 2005 Quant Results File: 1242SF.RES

Quant Method : C:\HPCHEM\2\METHODS\1242SF.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005
Last Update : Mon Oct 17 09:48:07 2005
Response via : Initial Calibration
DataAcq Meth : 8082F.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.41	690093	25.000	UG/L
Spiked Amount 20.000		Recovery =	125.00%	
7) S Decachlorobiphenyl	10.90	587423	25.000	UG/L
Spiked Amount 20.000		Recovery =	125.00%	
Target Compounds				
2) L1 Aroclor-1242-1	5.23	271653	500.000	UG/L
3) L1 Aroclor-1242-2	5.82	489050	500.000	UG/L
4) L1 Aroclor-1242-3	6.57	414243	500.000	UG/L
5) L1 Aroclor-1242-4	7.25	371006	500.000	UG/L
6) L1 Aroclor-1242-5	7.81	421440	500.000	UG/L
Sum Aroclor-1242-1		1967391	2500.000	UG/L
Average Aroclor-1242-1			500.000	UG/L

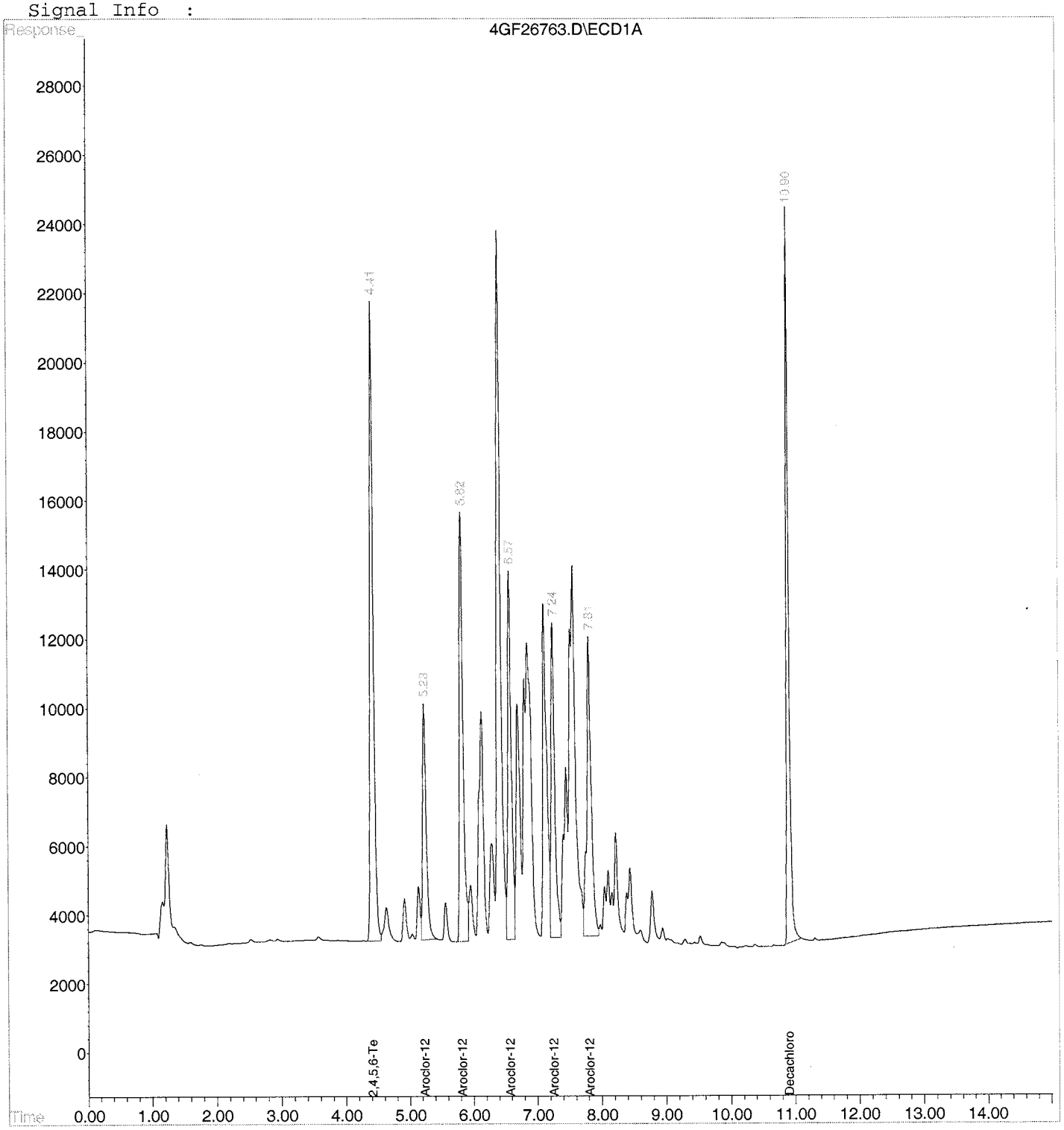
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\2\DATA\101405\4GF26763.D Vial: 12
Acq On : 14 Oct 2005 16:20 Operator: ECL
Sample : 1242 500 PPB Inst : HP4
Misc : 1,1 SOS76-38 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 9:48 2005 Quant Results File: 1242SF.RES

Quant Method : C:\HPCHEM\2\METHODS\1242SF.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005
Last Update : Mon Oct 17 09:48:07 2005
Response via : Single Level Calibration
DataAcq Meth : 8082F.M

Volume Inj. :
Signal Phase :
Signal Info :



Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\2\DATA\101405\4GF26764.D Vial: 13
Acq On : 14 Oct 2005 16:38 Operator: ECL
Sample : 1242 ALT 500 PPB Inst : HP4
Misc : 1,1 SOS76-41 Multiplr: 1.00
IntFile : events.e

Method : C:\HPCHEM\2\METHODS\1242SF.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005
Last Update : Mon Oct 17 09:48:07 2005
Response via : Single Level Calibration

Min. RRF : 15.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
2	L1	Aroclor-1242-1	500.000	492.122	1.6	98	0.00
3	L1	Aroclor-1242-2	500.000	502.126	-0.4	100	0.00
4	L1	Aroclor-1242-3	500.000	493.578	1.3	99	0.00
5	L1	Aroclor-1242-4	500.000	494.545	1.1	99	0.00
6	L1	Aroclor-1242-5	500.000	495.058	1.0	99	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4GF26764.D 1242SF.M Mon Oct 17 09:48:31 2005

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\2\DATA\101405\4GF26764.D Vial: 13
Acq On : 14 Oct 2005 16:38 Operator: ECL
Sample : 1242 ALT 500 PPB Inst : HP4
Misc : 1,1 SOS76-41 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 9:48 2005 Quant Results File: 1242SF.RES

Quant Method : C:\HPCHEM\2\METHODS\1242SF.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005
Last Update : Mon Oct 17 09:48:07 2005
Response via : Initial Calibration
DataAcq Meth : 8082F.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S 2,4,5,6-Tetrachloro-M-Xyle	0.00	0	N.D.	UG/L
Spiked Amount 20.000	Recovery	=	0.00%	
7) S Decachlorobiphenyl	0.00	0	N.D.	UG/L
Spiked Amount 20.000	Recovery	=	0.00%	
Target Compounds				
2) L1 Aroclor-1242-1	5.23	267373	492.122	UG/L
3) L1 Aroclor-1242-2	5.82	491129	502.126	UG/L
4) L1 Aroclor-1242-3	6.57	408922	493.578	UG/L
5) L1 Aroclor-1242-4	7.25	366958	494.545	UG/L
6) L1 Aroclor-1242-5	7.81	417275	495.058	UG/L
Sum Aroclor-1242-1		1951657	2477.430	UG/L
Average Aroclor-1242-1			495.486	UG/L

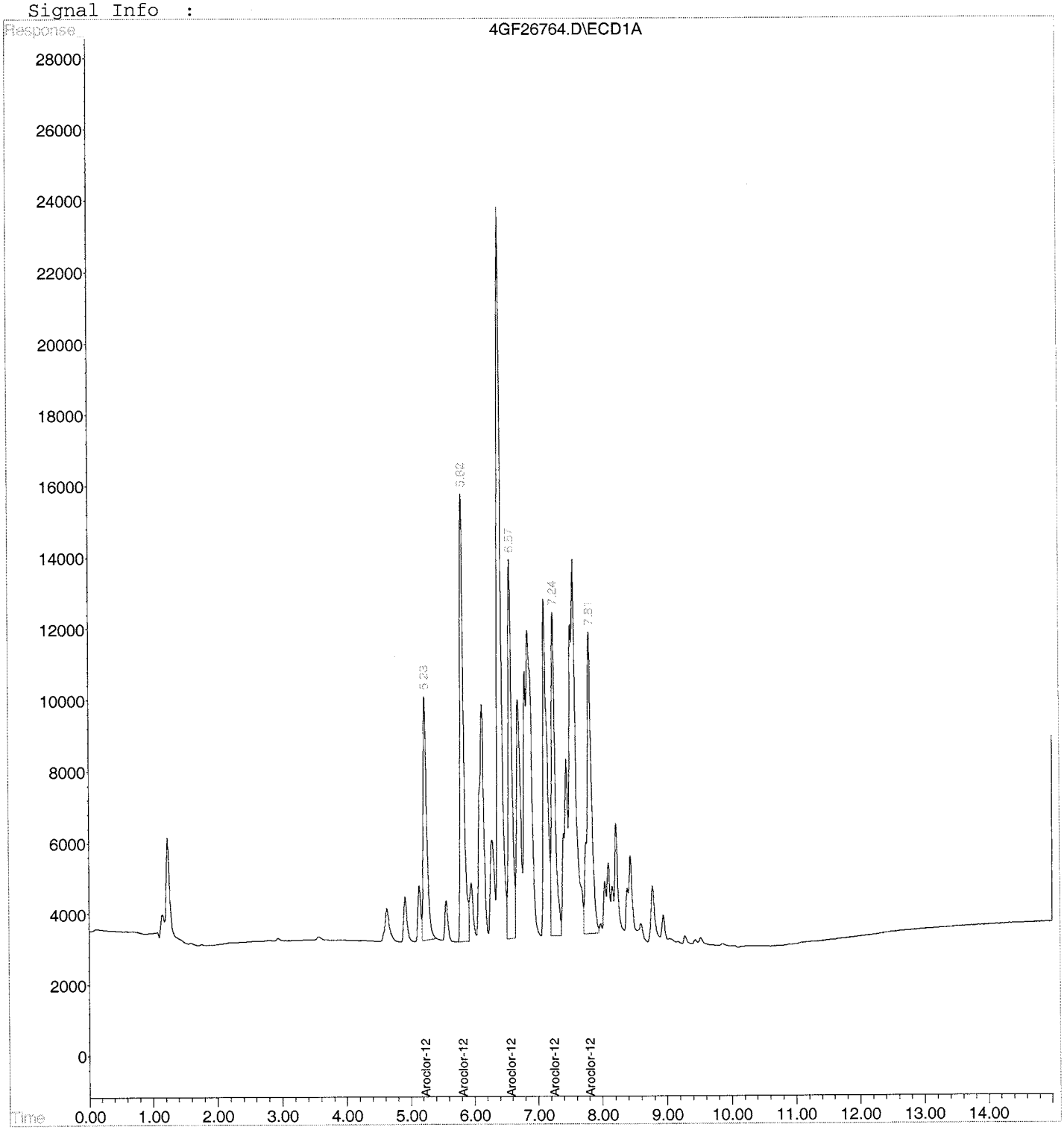
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\2\DATA\101405\4GF26764.D Vial: 13
Acq On : 14 Oct 2005 16:38 Operator: ECL
Sample : 1242 ALT 500 PPB Inst : HP4
Misc : 1,1 SOS76-41 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 9:48 2005 Quant Results File: 1242SF.RES

Quant Method : C:\HPCHEM\2\METHODS\1242SF.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005
Last Update : Mon Oct 17 09:48:07 2005
Response via : Single Level Calibration
DataAcq Meth : 8082F.M

Volume Inj. :
Signal Phase :
Signal Info :



Response Factor Report HP4

Method : C:\HPCHEM\2\METHODS\1232SF.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005
Last Update : Mon Oct 17 09:49:20 2005

Calibration Files
500 =4GF26765.D = =
= =

		Compound	500	Avg	%RSD
1)	S	2,4,5,6-Tetrachloro-M	2.759	2.759#E4	0.00
2)	L1	Aroclor-1232-1	1.860	1.860#E2	0.00
3)	L1	Aroclor-1232-2	6.152	6.152#E2	0.00
4)	L1	Aroclor-1232-3	5.944	5.944#E2	0.00
5)	L1	Aroclor-1232-4	4.485	4.485#E2	0.00
6)	L1	Aroclor-1232-5	3.957	3.957#E2	0.00
7)	S	Decachlorobiphenyl	2.224	2.224#E4	0.00

#) = Out of Range

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\2\DATA\101405\4GF26765.D Vial: 14
Acq On : 14 Oct 2005 16:57 Operator: ECL
Sample : 1232 500 PPB Inst : HP4
Misc : 1,1 SOS74-18 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 9:49 2005 Quant Results File: 1232SF.RES

Quant Method : C:\HPCHEM\2\METHODS\1232SF.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005
Last Update : Mon Oct 17 09:49:20 2005
Response via : Initial Calibration
DataAcq Meth : 8082F.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.41	689873	25.000 UG/L
Spiked Amount 20.000		Recovery =	125.00%
7) S Decachlorobiphenyl	10.90	556073	25.000 UG/L
Spiked Amount 20.000		Recovery =	125.00%
Target Compounds			
2) L1 Aroclor-1232-1	3.57	93008	500.000 UG/L
3) L1 Aroclor-1232-2	5.23	307610	500.000 UG/L
4) L1 Aroclor-1232-3	5.82	297184	500.000 UG/L
5) L1 Aroclor-1232-4	6.57	224236	500.000 UG/L
6) L1 Aroclor-1232-5	7.25	197844	500.000 UG/L
Sum Aroclor-1232-1		1119883	2500.000 UG/L
Average Aroclor-1232-1			500.000 UG/L

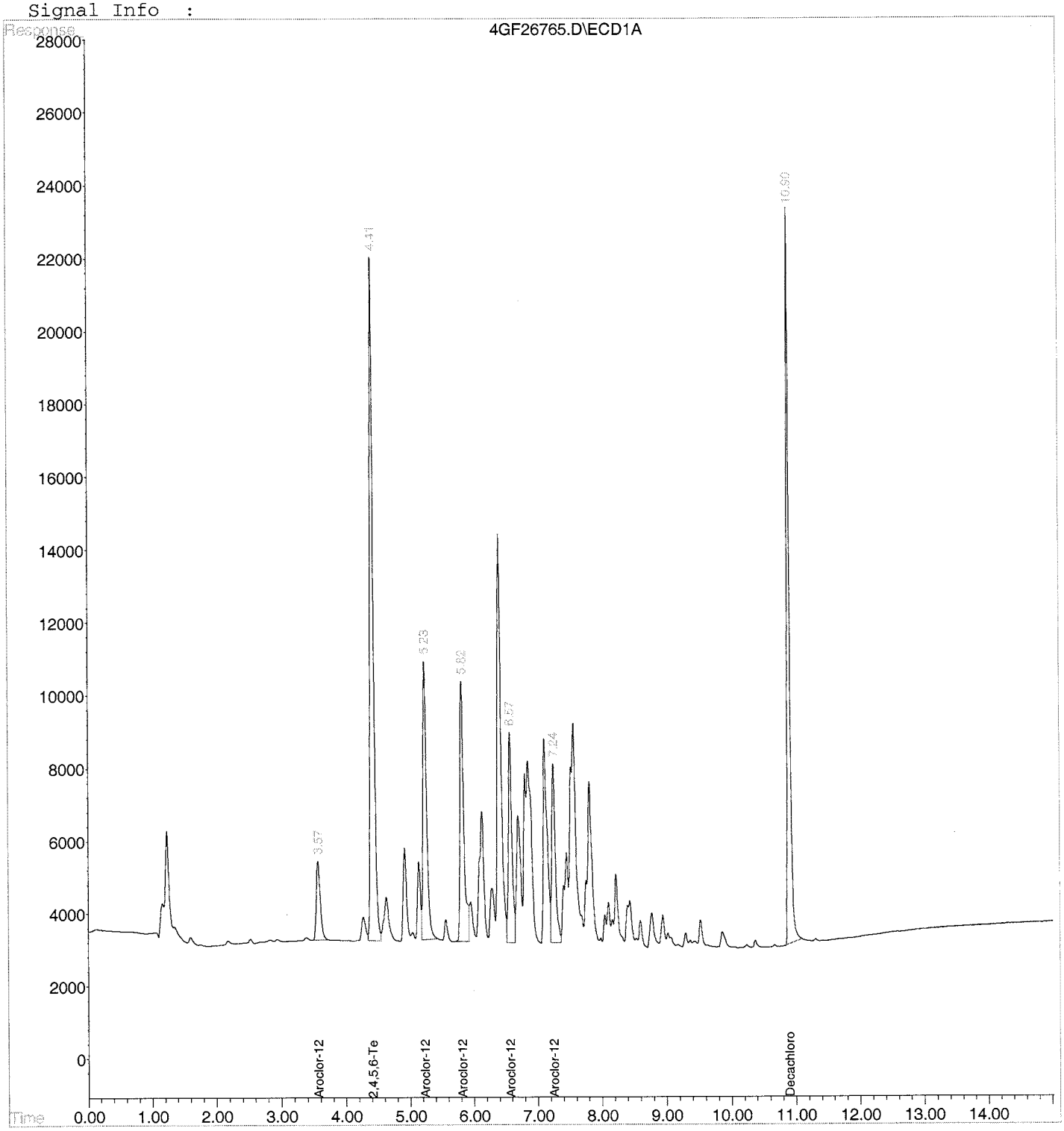
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\2\DATA\101405\4GF26765.D Vial: 14
Acq On : 14 Oct 2005 16:57 Operator: ECL
Sample : 1232 500 PPB Inst : HP4
Misc : 1,1 SOS74-18 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 9:49 2005 Quant Results File: 1232SF.RES

Quant Method : C:\HPCHEM\2\METHODS\1232SF.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005
Last Update : Mon Oct 17 09:49:20 2005
Response via : Single Level Calibration
DataAcq Meth : 8082F.M

Volume Inj. :
Signal Phase :
Signal Info :



Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\2\DATA\101405\4GF26766.D Vial: 15
Acq On : 14 Oct 2005 17:16 Operator: ECL
Sample : 1232 ALT 500 PPB Inst : HP4
Misc : 1,1 SOS74-19 Multiplr: 1.00
IntFile : events.e

Method : C:\HPCHEM\2\METHODS\1232SF.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005
Last Update : Mon Oct 17 09:49:20 2005
Response via : Single Level Calibration

Min. RRF : 15.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
2	L1	Aroclor-1232-1	500.000	480.171	4.0	96	0.00
3	L1	Aroclor-1232-2	500.000	570.249	-14.0	114	0.00
4	L1	Aroclor-1232-3	500.000	545.276	-9.1	109	0.00
5	L1	Aroclor-1232-4	500.000	535.224	-7.0	107	0.00
6	L1	Aroclor-1232-5	500.000	486.920	2.6	97	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4GF26766.D 1232SF.M Mon Oct 17 09:49:41 2005 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\2\DATA\101405\4GF26766.D Vial: 15
Acq On : 14 Oct 2005 17:16 Operator: ECL
Sample : 1232 ALT 500 PPB Inst : HP4
Misc : 1,1 SOS74-19 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 9:49 2005 Quant Results File: 1232SF.RES

Quant Method : C:\HPCHEM\2\METHODS\1232SF.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005
Last Update : Mon Oct 17 09:49:20 2005
Response via : Initial Calibration
DataAcq Meth : 8082F.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S 2,4,5,6-Tetrachloro-M-Xyle	0.00	0	N.D.	UG/L
Spiked Amount 20.000	Recovery	=	0.00%	
7) S Decachlorobiphenyl	0.00	0	N.D.	UG/L
Spiked Amount 20.000	Recovery	=	0.00%	
Target Compounds				
2) L1 Aroclor-1232-1	3.57	89319	480.171	UG/L
3) L1 Aroclor-1232-2	5.23	350829	570.249	UG/L
4) L1 Aroclor-1232-3	5.81	324095	545.276	UG/L
5) L1 Aroclor-1232-4	6.57	240033	535.224	UG/L
6) L1 Aroclor-1232-5	7.24	192669	486.920	UG/L
Sum Aroclor-1232-1		1196945	2617.840	UG/L
verage Aroclor-1232-1			523.568	UG/L

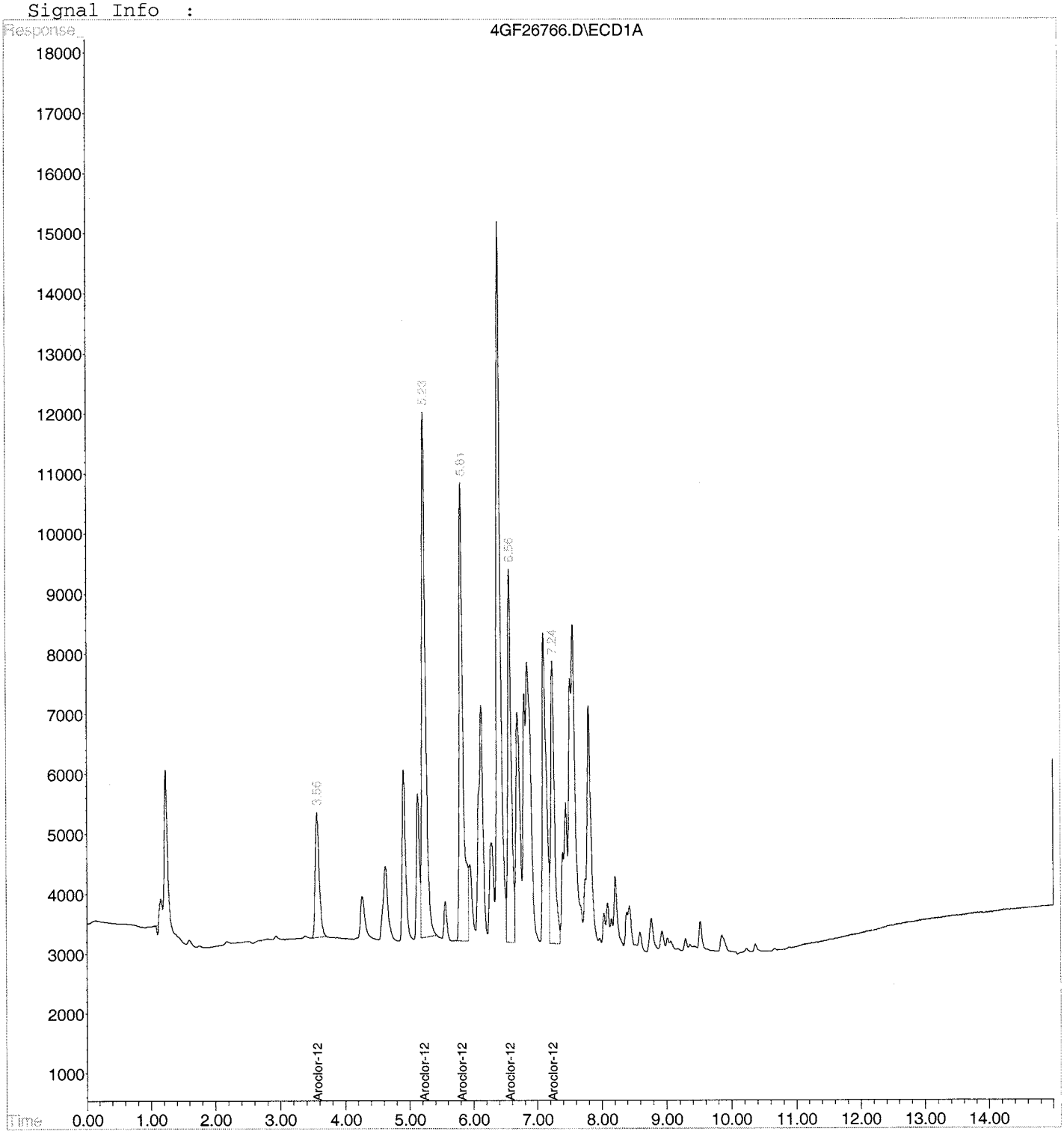
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\2\DATA\101405\4GF26766.D Vial: 15
Acq On : 14 Oct 2005 17:16 Operator: ECL
Sample : 1232 ALT 500 PPB Inst : HP4
Misc : 1,1 SOS74-19 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 9:49 2005 Quant Results File: 1232SF.RES

Quant Method : C:\HPCHEM\2\METHODS\1232SF.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005
Last Update : Mon Oct 17 09:49:20 2005
Response via : Single Level Calibration
DataAcq Meth : 8082F.M

Volume Inj. :
Signal Phase :
Signal Info :



Response Factor Report HP4

Method : C:\HPCHEM\2\METHODS\1221SF.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005
Last Update : Mon Oct 17 09:50:34 2005

Calibration Files
500 =4GF26767.D = =
= =

		Compound	500	Avg	%RSD
1)	S	2,4,5,6-Tetrachloro-M	2.724	2.724#E4	0.00
2)	L1	Aroclor-1221-1	3.105	3.105#E2	0.00
3)	L1	Aroclor-1221-2	3.387	3.387#E2	0.00
4)	L1	Aroclor-1221-3	2.277	2.277#E2	0.00
5)	L1	Aroclor-1221-4	8.975	8.975#E2	0.00
6)	L1	Aroclor-1221-5	1.588	1.588#E2	0.00
7)	S	Decachlorobiphenyl	2.186	2.186#E4	0.00

#) = Out of Range

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\2\DATA\101405\4GF26767.D Vial: 16
Acq On : 14 Oct 2005 17:35 Operator: ECL
Sample : 1221 500 PPB Inst : HP4
Misc : 1,1 SOS74-20 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 9:50 2005 Quant Results File: 1221SF.RES

Quant Method : C:\HPCHEM\2\METHODS\1221SF.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005
Last Update : Mon Oct 17 09:50:34 2005
Response via : Initial Calibration
DataAcq Meth : 8082F.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.40	680945	25.000	UG/L
Spiked Amount 20.000		Recovery =	125.00%	
7) S Decachlorobiphenyl	10.89	546612	25.000	UG/L
Spiked Amount 20.000		Recovery =	125.00%	
Target Compounds				
2) L1 Aroclor-1221-1	3.56	155232	500.000	UG/L
3) L1 Aroclor-1221-2	4.91	169365	500.000	UG/L
4) L1 Aroclor-1221-3	5.13	113859	500.000	UG/L
5) L1 Aroclor-1221-4	5.22	448762	500.000	UG/L
6) L1 Aroclor-1221-5	5.90	79386	500.000	UG/L
Sum Aroclor-1221-1		966604	2500.000	UG/L
Average Aroclor-1221-1			500.000	UG/L

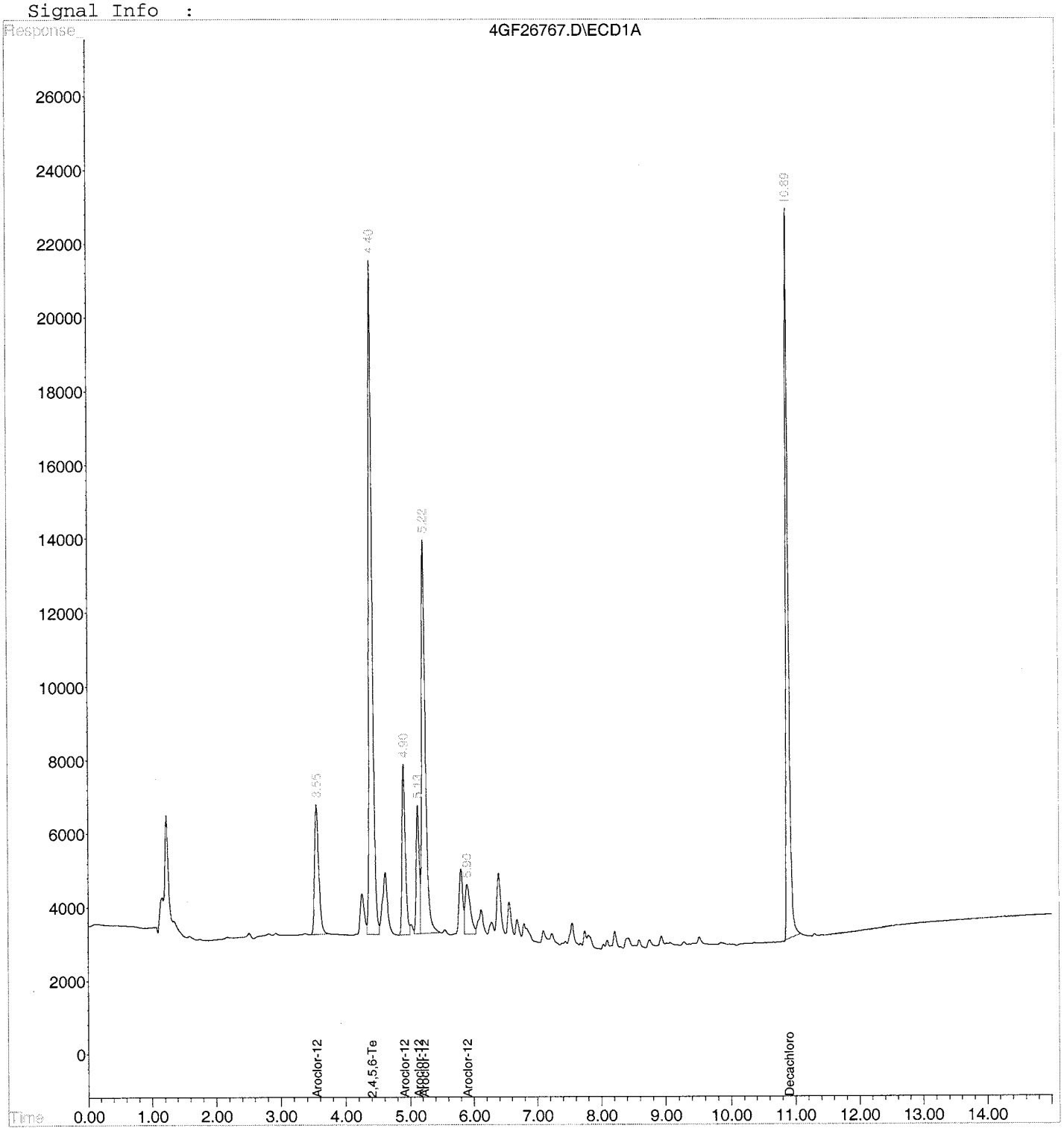
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\2\DATA\101405\4GF26767.D Vial: 16
Acq On : 14 Oct 2005 17:35 Operator: ECL
Sample : 1221 500 PPB Inst : HP4
Misc : 1,1 SOS74-20 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 9:50 2005 Quant Results File: 1221SF.RES

Quant Method : C:\HPCHEM\2\METHODS\1221SF.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005
Last Update : Mon Oct 17 09:50:34 2005
Response via : Single Level Calibration
DataAcq Meth : 8082F.M

Volume Inj. :
Signal Phase :
Signal Info :



Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\2\DATA\101405\4GF26768.D Vial: 17
Acq On : 14 Oct 2005 17:54 Operator: ECL
Sample : 1221 ALT 500 PPB Inst : HP4
Misc : 1,1 SOS74-20 Multiplr: 1.00
IntFile : events.e

Method : C:\HPCHEM\2\METHODS\1221SF.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005
Last Update : Mon Oct 17 09:50:34 2005
Response via : Single Level Calibration

Min. RRF : 15.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
2	L1	Aroclor-1221-1	500.000	499.040	0.2	100	0.00
3	L1	Aroclor-1221-2	500.000	515.408	-3.1	103	0.00
4	L1	Aroclor-1221-3	500.000	507.343	-1.5	101	0.00
5	L1	Aroclor-1221-4	500.000	507.225	-1.4	101	-0.01
6	L1	Aroclor-1221-5	500.000	517.557	-3.5	104	-0.01

#) = Out of Range SPCC's out = 0 CCC's out = 0
4GF26768.D 1221SF.M Mon Oct 17 09:50:55 2005

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\2\DATA\101405\4GF26768.D Vial: 17
Acq On : 14 Oct 2005 17:54 Operator: ECL
Sample : 1221 ALT 500 PPB Inst : HP4
Misc : 1,1 SOS74-20 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 9:50 2005 Quant Results File: 1221SF.RES

Quant Method : C:\HPCHEM\2\METHODS\1221SF.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005
Last Update : Mon Oct 17 09:50:34 2005
Response via : Initial Calibration
DataAcq Meth : 8082F.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S 2,4,5,6-Tetrachloro-M-Xyle	0.00	0	N.D.	UG/L
Spiked Amount 20.000	Recovery	=	0.00%	
7) S Decachlorobiphenyl	0.00	0	N.D.	UG/L
Spiked Amount 20.000	Recovery	=	0.00%	
Target Compounds				
2) L1 Aroclor-1221-1	3.55	154934	499.040	UG/L
3) L1 Aroclor-1221-2	4.90	174584	515.408	UG/L
4) L1 Aroclor-1221-3	5.12	115531	507.343	UG/L
5) L1 Aroclor-1221-4	5.21	455246	507.225	UG/L
6) L1 Aroclor-1221-5	5.89	82174	517.557	UG/L
Sum Aroclor-1221-1		982469	2546.572	UG/L
Average Aroclor-1221-1			509.314	UG/L

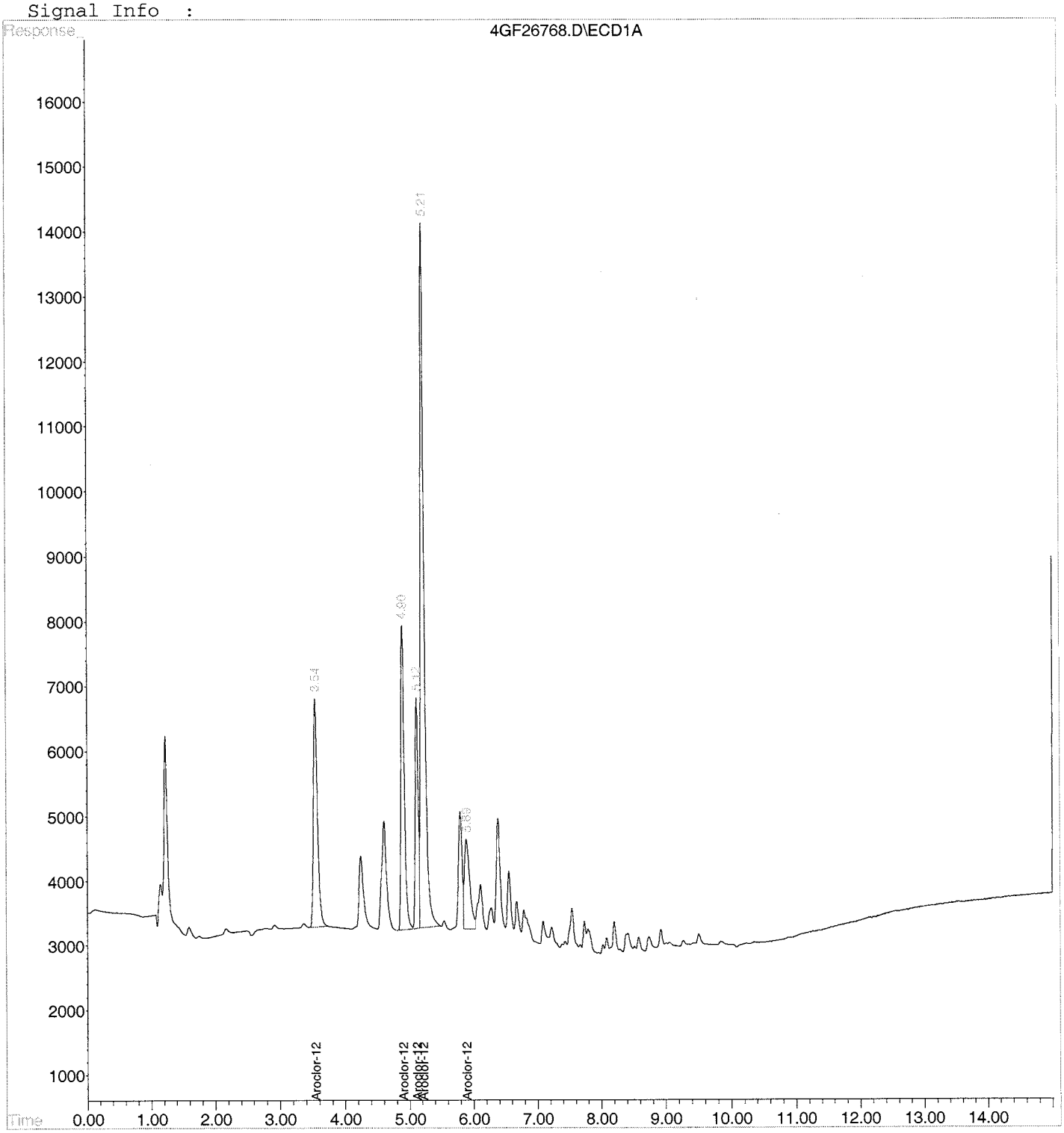
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\2\DATA\101405\4GF26768.D Vial: 17
Acq On : 14 Oct 2005 17:54 Operator: ECL
Sample : 1221 ALT 500 PPB Inst : HP4
Misc : 1,1 SOS74-20 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 9:50 2005 Quant Results File: 1221SF.RES

Quant Method : C:\HPCHEM\2\METHODS\1221SF.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005
Last Update : Mon Oct 17 09:50:34 2005
Response via : Single Level Calibration
DataAcq Meth : 8082F.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

```
Data File : C:\HPCHEM\2\DATA\101405\4GF26780.D          Vial: 29
Acq On    : 14 Oct 2005  21:42                      Operator: ECL
Sample    : WG198667-02 1660 CCV 500 PPB            Inst    : HP4
Misc      : 1,1 SOS75-08                            Multiplr: 1.00
IntFile   : events.e
Quant Time: Oct 17  9:41 2005  Quant Results File: 1660F.RES

Quant Method : C:\HPCHEM\2\METHODS\1660F.M (Chemstation Integrator)
Title        : CALIBRATION October 14, 2005 @ 14:45
Last Update  : Mon Oct 17 09:41:01 2005
Response via : Initial Calibration
DataAcq Meth : 8082F.M

Volume Inj.  :
Signal Phase :
Signal Info  :
```

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.35	642015	23.015 UG/L
Spiked Amount 20.000 Range 30 - 132		Recovery = 115.07%	
12) S Decachlorobiphenyl	10.85	601956	24.176 UG/L
Spiked Amount 20.000 Range 36 - 144		Recovery = 120.88%	
Target Compounds			
2) L1 Aroclor-1016-1	5.18	303948	448.240 UG/L
3) L1 Aroclor-1016-2	5.76	586453	453.444 UG/L
4) L1 Aroclor-1016-3	6.35	1097809	455.377 UG/L
5) L1 Aroclor-1016-4	6.52	515990	454.051 UG/L
6) L1 Aroclor-1016-5	7.20	398832	475.109 UG/L
Sum Aroclor-1016-1		2903031	2286.221 UG/L
Average Aroclor-1016-1			457.244 UG/L
7) L2 Aroclor-1260-1	8.35	645481	449.757 UG/L
8) L2 Aroclor-1260-2	8.55	782932	453.873 UG/L
9) L2 Aroclor-1260-3	8.89	939139	472.744 UG/L
10) L2 Aroclor-1260-4	9.48	1355993	494.772 UG/L
11) L2 Aroclor-1260-5	10.33	421105	492.320 UG/L
Sum Aroclor-1260-1		4144650	2363.466 UG/L
Average Aroclor-1260-1			472.693 UG/L

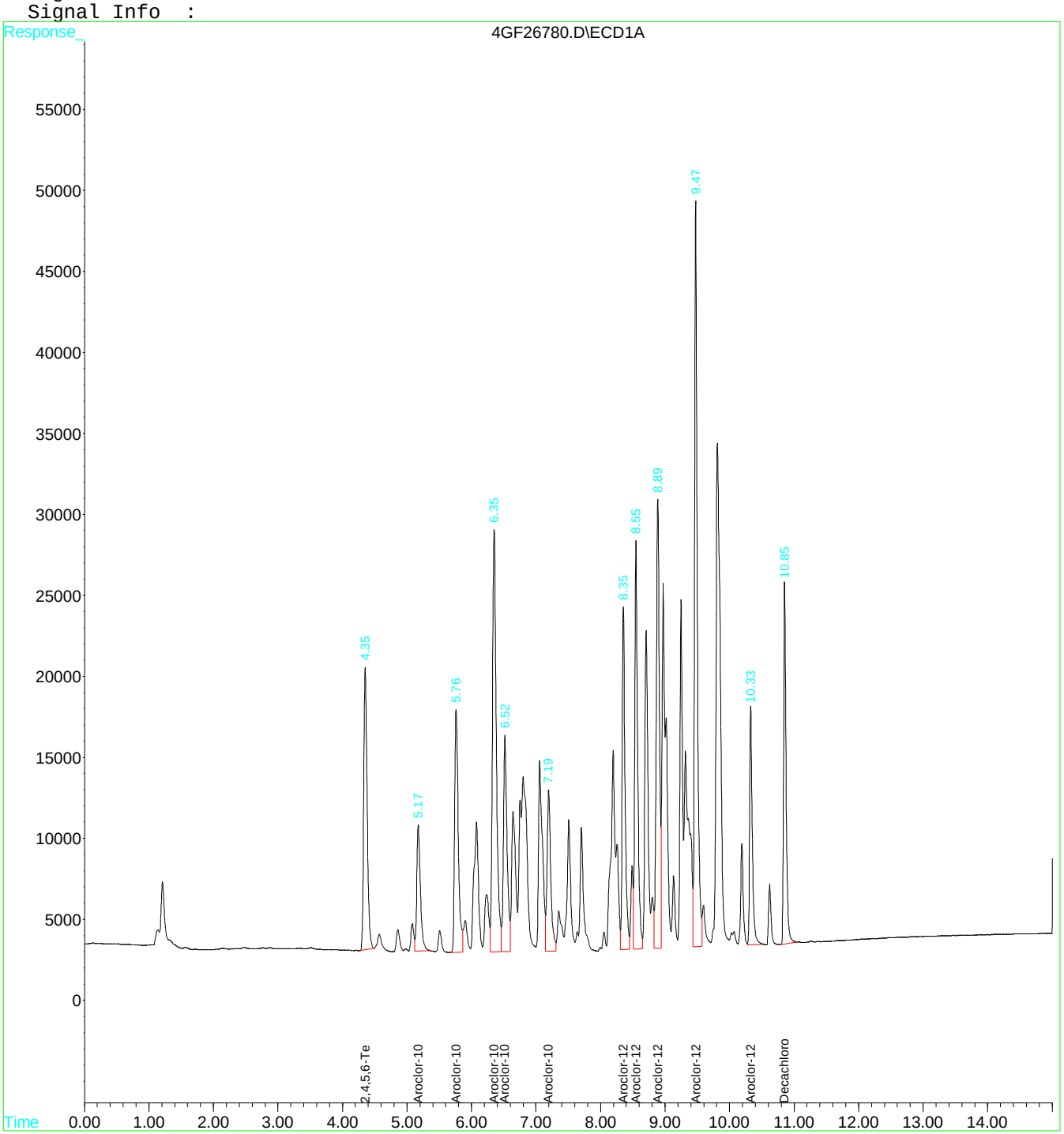
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\2\DATA\101405\4GF26780.D Vial: 29
Acq On : 14 Oct 2005 21:42 Operator: ECL
Sample : WG198667-02 1660 CCV 500 PPB Inst : HP4
Misc : 1,1 SOS75-08 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 9:41 2005 Quant Results File: 1660F.RES

Quant Method : C:\HPCHEM\2\METHODS\1660F.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005 @ 14:45
Last Update : Mon Oct 17 09:41:01 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8082F.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

```
Data File : C:\HPCHEM\2\DATA\101405\4GF26791.D          Vial: 40
Acq On    : 15 Oct 2005   1:10                       Operator: ECL
Sample    : WG198667-03 1660 CCV 250 PPB             Inst    : HP4
Misc      : 1,1 SOS75-08                             Multiplr: 1.00
IntFile   : events.e
Quant Time: Oct 17  9:41 2005  Quant Results File: 1660F.RES

Quant Method : C:\HPCHEM\2\METHODS\1660F.M (Chemstation Integrator)
Title        : CALIBRATION October 14, 2005 @ 14:45
Last Update  : Mon Oct 17 09:41:01 2005
Response via : Initial Calibration
DataAcq Meth : 8082F.M

Volume Inj.  :
Signal Phase :
Signal Info  :
```

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.34	334054	11.975 UG/L
Spiked Amount 20.000 Range 30 - 132		Recovery =	59.88%
12) S Decachlorobiphenyl	10.85	334097	13.418 UG/L
Spiked Amount 20.000 Range 36 - 144		Recovery =	67.09%
Target Compounds			
2) L1 Aroclor-1016-1	5.16	173078	255.244 UG/L
3) L1 Aroclor-1016-2	5.75	341261	263.862 UG/L
4) L1 Aroclor-1016-3	6.34	633195	262.653 UG/L
5) L1 Aroclor-1016-4	6.51	296676	261.063 UG/L
6) L1 Aroclor-1016-5	7.19	221977	264.431 UG/L
Sum Aroclor-1016-1		1666186	1307.252 UG/L
Average Aroclor-1016-1			261.450 UG/L
7) L2 Aroclor-1260-1	8.35	371665	258.968 UG/L
8) L2 Aroclor-1260-2	8.55	450783	261.323 UG/L
9) L2 Aroclor-1260-3	8.89	525201	264.375 UG/L
10) L2 Aroclor-1260-4	9.47	754633	275.349 UG/L
11) L2 Aroclor-1260-5	10.32	222301	259.896 UG/L
Sum Aroclor-1260-1		2324583	1319.911 UG/L
Average Aroclor-1260-1			263.982 UG/L

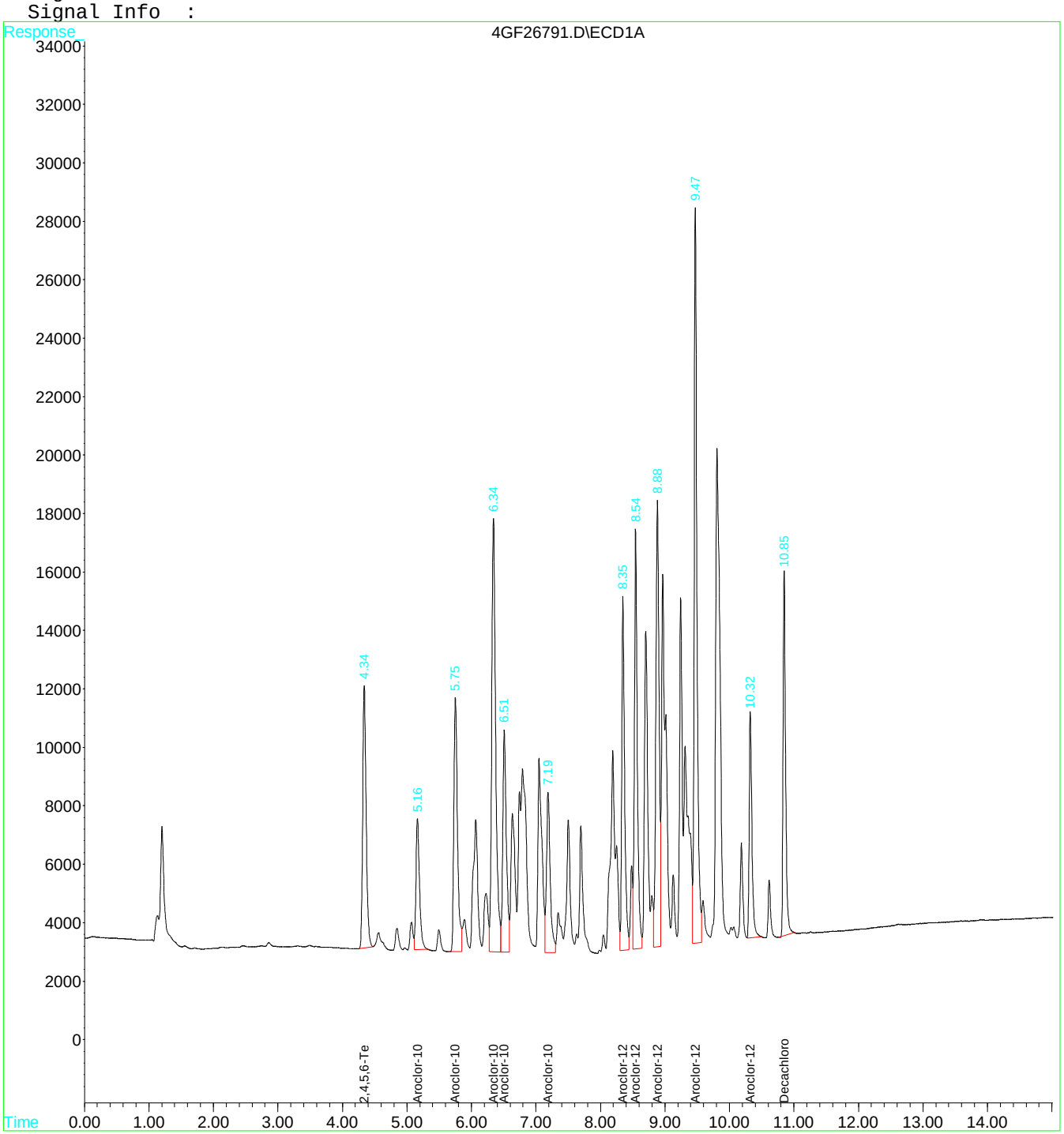
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\2\DATA\101405\4GF26791.D Vial: 40
Acq On : 15 Oct 2005 1:10 Operator: ECL
Sample : WG198667-03 1660 CCV 250 PPB Inst : HP4
Misc : 1,1 SOS75-08 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 9:41 2005 Quant Results File: 1660F.RES

Quant Method : C:\HPCHEM\2\METHODS\1660F.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005 @ 14:45
Last Update : Mon Oct 17 09:41:01 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8082F.M

Volume Inj. :
Signal Phase :
Signal Info :



RETENTION TIME WINDOWS

Lab Name: Kemron Environmental Services

Instrument ID: HP-4 Front Column

GC Column: RTx-CLP II

	STANDARD #1	STANDARD #2	STANDARD #3
Date Run	7/15/2005	7/19/2005	7/21/2005
File #	4GF25619	4GF25636	4GF25667

COMPOUND	STD #1 RT	STD #2 RT	STD #3 RT	RT WIN
AR 1016 #1	5.24	5.26	5.27	0.046
AR 1016 #2	5.82	5.84	5.86	0.060
AR 1016 #3	6.41	6.42	6.44	0.046
AR 1016 #4	6.58	6.59	6.60	0.030
AR 1016 #5	7.25	7.26	7.28	0.046
AR 1260 #1	8.40	8.42	8.43	0.046
AR 1260 #2	8.60	8.61	8.62	0.030
AR 1260 #3	8.94	8.95	8.96	0.030
AR 1260 #4	9.52	9.53	9.54	0.030
AR 1260 #5	10.37	10.39	10.39	0.035

2.2.4.4 Raw QC Data

Quantitation Report (Not Reviewed)

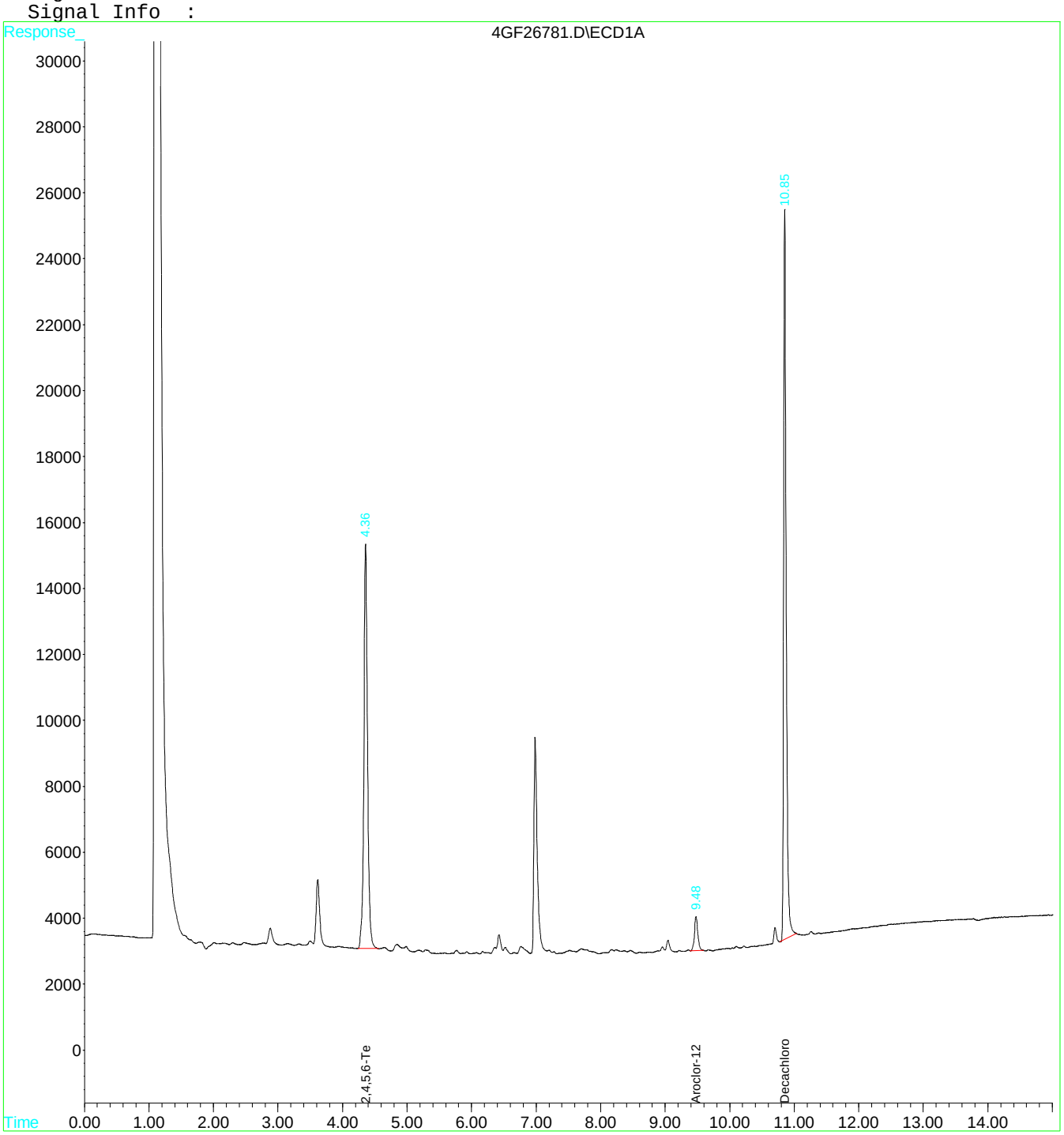
```
Data File : C:\HPCHEM\2\DATA\101405\4GF26781.D          Vial: 30
Acq On    : 14 Oct 2005  22:01                       Operator: ECL
Sample    : WG198621-01 BLANK V250 P101              Inst    : HP4
Misc      : 7,1 SOIL                                 Multiplr: 1.00
IntFile   : events.e
Quant Time: Oct 17 10:24 2005  Quant Results File: 1660F.RES

Quant Method : C:\HPCHEM\2\METHODS\1660F.M (Chemstation Integrator)
Title        : CALIBRATION October 14, 2005 @ 14:45
Last Update  : Mon Oct 17 10:23:45 2005
Response via : Initial Calibration
DataAcq Meth : 8082F.M

Volume Inj.  :
Signal Phase :
Signal Info  :

     Compound                    R.T.       Response    Conc Units
---------------------------------------------------------------------------

System Monitoring Compounds
 1) S   2,4,5,6-Tetrachloro-M-Xyle   4.36         484149   17.356 UG/L
Spiked Amount     20.000   Range  29 - 133    Recovery   =   86.78%
12) S   Decachlorobiphenyl          10.85         598353   24.032 UG/L
Spiked Amount     20.000   Range  30 - 173    Recovery   =  120.16%

Target Compounds
 2) L1  Aroclor-1016-1               0.00              0    N.D.  UG/L
 3) L1  Aroclor-1016-2               0.00              0    N.D.  UG/L
 4) L1  Aroclor-1016-3               0.00              0    N.D.  UG/L
 5) L1  Aroclor-1016-4               0.00              0    N.D.  UG/L
 6) L1  Aroclor-1016-5               0.00              0    N.D.  UG/L
    Sum Aroclor-1016-1                             0    N.D.  UG/L
Average Aroclor-1016-1                                   0.000 UG/L

 7) L2  Aroclor-1260-1               0.00              0    N.D.  UG/L
 8) L2  Aroclor-1260-2               0.00              0    N.D.  UG/L
 9) L2  Aroclor-1260-3               0.00              0    N.D.  UG/L
10) L2  Aroclor-1260-4               9.48          36802   13.428 UG/L
11) L2  Aroclor-1260-5               0.00              0    N.D.  UG/L
    Sum Aroclor-1260-1                         36802   13.428 UG/L
Average Aroclor-1260-1                                  13.428 UG/L
```

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\2\DATA\101405\4GF26781.D Vial: 30
Acq On : 14 Oct 2005 22:01 Operator: ECL
Sample : WG198621-01 BLANK V250 P101 Inst : HP4
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 10:24 2005 Quant Results File: 1660F.RES

Quant Method : C:\HPCHEM\2\METHODS\1660F.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005 @ 14:45
Last Update : Mon Oct 17 10:23:45 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8082F.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

```
Data File : C:\HPCHEM\2\DATA\101405\4GF26782.D          Vial: 31
Acq On    : 14 Oct 2005  22:19                       Operator: ECL
Sample    : WG198621-02 LCS V250 P101                Inst    : HP4
Misc      : 7,1 SOIL                                 Multiplr: 1.00
IntFile   : events.e
Quant Time: Oct 17 10:24 2005  Quant Results File: 1660F.RES

Quant Method : C:\HPCHEM\2\METHODS\1660F.M (Chemstation Integrator)
Title        : CALIBRATION October 14, 2005 @ 14:45
Last Update  : Mon Oct 17 10:24:19 2005
Response via : Initial Calibration
DataAcq Meth : 8082F.M

Volume Inj.  :
Signal Phase :
Signal Info  :
```

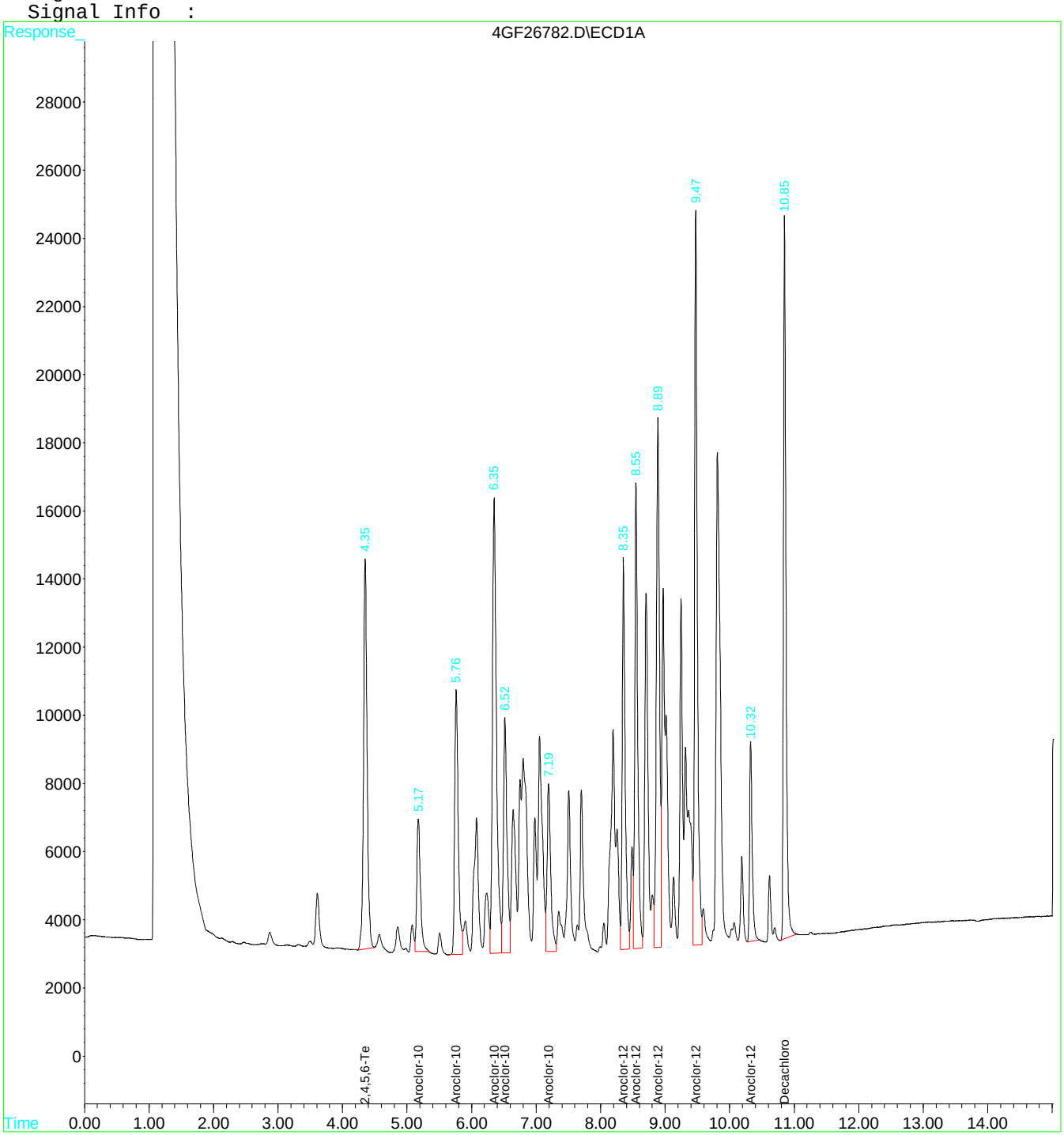
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.35	438078	15.705 UG/L
Spiked Amount 20.000 Range 29 - 133		Recovery =	78.53%
12) S Decachlorobiphenyl	10.85	573791	23.045 UG/L
Spiked Amount 20.000 Range 30 - 173		Recovery =	115.22%
Target Compounds			
2) L1 Aroclor-1016-1	5.17	151971	224.116 UG/L
3) L1 Aroclor-1016-2	5.76	302145	233.618 UG/L
4) L1 Aroclor-1016-3	6.35	577099	239.384 UG/L
5) L1 Aroclor-1016-4	6.52	266170	234.219 UG/L
6) L1 Aroclor-1016-5	7.19	198070	235.951 UG/L
Sum Aroclor-1016-1		1495455	1167.288 UG/L
Average Aroclor-1016-1			233.458 UG/L
7) L2 Aroclor-1260-1	8.35	362659	252.693 UG/L
8) L2 Aroclor-1260-2	8.55	430241	249.414 UG/L
9) L2 Aroclor-1260-3	8.89	531511	267.552 UG/L
10) L2 Aroclor-1260-4	9.47	647605	236.297 UG/L
11) L2 Aroclor-1260-5	10.33	165614	193.622 UG/L
Sum Aroclor-1260-1		2137628	1199.577 UG/L
Average Aroclor-1260-1			239.915 UG/L

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\2\DATA\101405\4GF26782.D Vial: 31
Acq On : 14 Oct 2005 22:19 Operator: ECL
Sample : WG198621-02 LCS V250 P101 Inst : HP4
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 10:24 2005 Quant Results File: 1660F.RES

Quant Method : C:\HPCHEM\2\METHODS\1660F.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005 @ 14:45
Last Update : Mon Oct 17 10:24:19 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8082F.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

```
Data File : C:\HPCHEM\2\DATA\101405\4GF26783.D          Vial: 32
Acq On    : 14 Oct 2005  22:38                       Operator: ECL
Sample    : WG198621-03 LCS DUP V250 P101            Inst    : HP4
Misc      : 7,1 SOIL                                 Multiplr: 1.00
IntFile   : events.e
Quant Time: Oct 17 10:24 2005  Quant Results File: 1660F.RES

Quant Method : C:\HPCHEM\2\METHODS\1660F.M (Chemstation Integrator)
Title        : CALIBRATION October 14, 2005 @ 14:45
Last Update  : Mon Oct 17 10:24:19 2005
Response via : Initial Calibration
DataAcq Meth : 8082F.M

Volume Inj.  :
Signal Phase :
Signal Info  :
```

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.35	480068	17.210 UG/L
Spiked Amount 20.000 Range 29 - 133		Recovery =	86.05%
12) S Decachlorobiphenyl	10.85	609330	24.473 UG/L
Spiked Amount 20.000 Range 30 - 173		Recovery =	122.36%
Target Compounds			
2) L1 Aroclor-1016-1	5.17	157882	232.833 UG/L
3) L1 Aroclor-1016-2	5.76	318030	245.900 UG/L
4) L1 Aroclor-1016-3	6.35	607113	251.834 UG/L
5) L1 Aroclor-1016-4	6.52	279367	245.832 UG/L
6) L1 Aroclor-1016-5	7.20	209821	249.950 UG/L
Sum Aroclor-1016-1		1572213	1226.349 UG/L
Average Aroclor-1016-1			245.270 UG/L
7) L2 Aroclor-1260-1	8.36	370888	258.427 UG/L
8) L2 Aroclor-1260-2	8.55	437491	253.617 UG/L
9) L2 Aroclor-1260-3	8.89	542479	273.073 UG/L
10) L2 Aroclor-1260-4	9.48	614054	224.055 UG/L
11) L2 Aroclor-1260-5	10.33	174208	203.669 UG/L
Sum Aroclor-1260-1		2139119	1212.841 UG/L
Average Aroclor-1260-1			242.568 UG/L

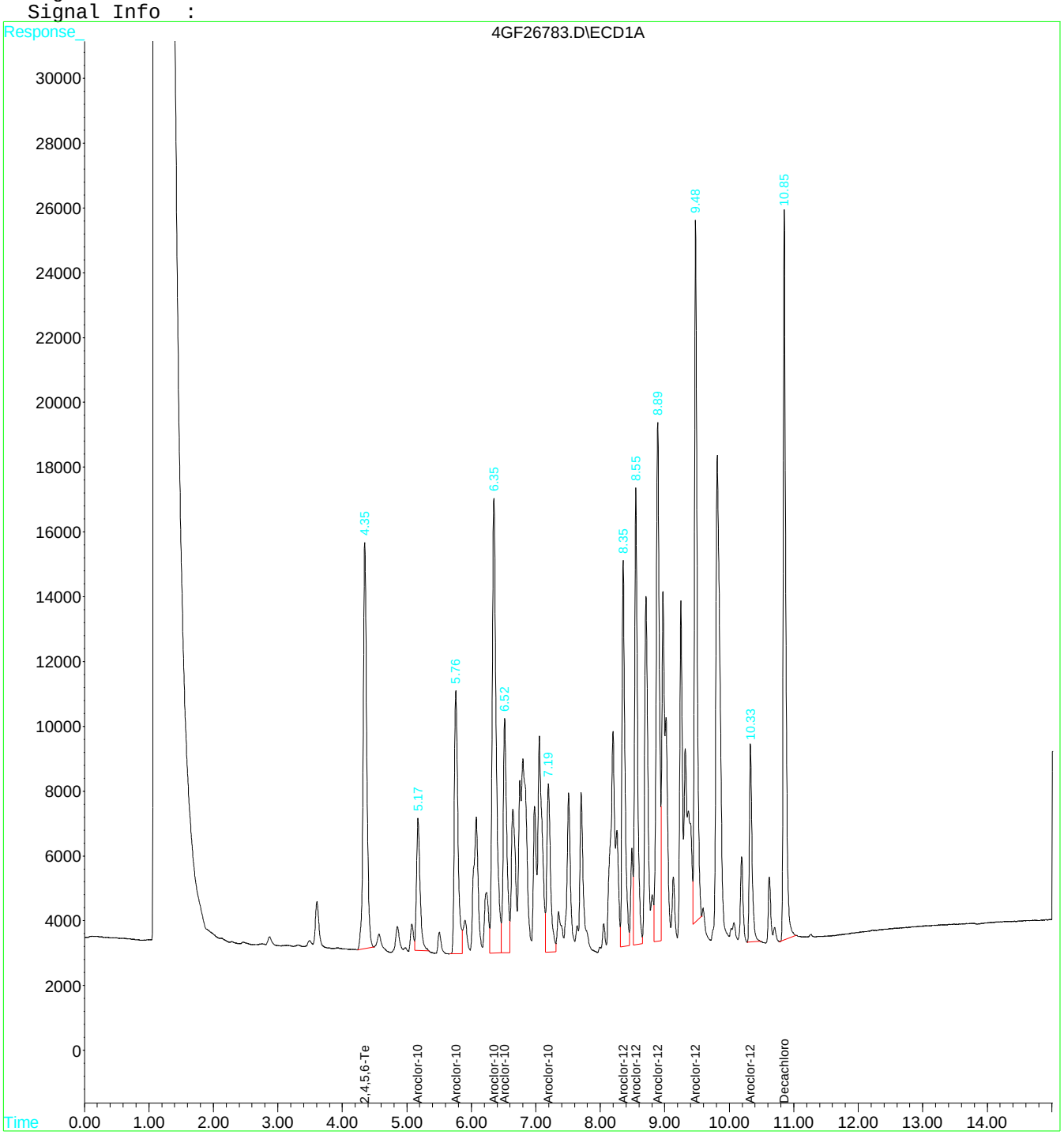
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\2\DATA\101405\4GF26783.D Vial: 32
Acq On : 14 Oct 2005 22:38 Operator: ECL
Sample : WG198621-03 LCS DUP V250 P101 Inst : HP4
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 17 10:24 2005 Quant Results File: 1660F.RES

Quant Method : C:\HPCHEM\2\METHODS\1660F.M (Chemstation Integrator)
Title : CALIBRATION October 14, 2005 @ 14:45
Last Update : Mon Oct 17 10:24:19 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8082F.M

Volume Inj. :
Signal Phase :
Signal Info :



2.2.5 Herbicide GC Data (8151)

2.2.5.1 QC Summary

KEMRON ENVIRONMENTAL SERVICES
GC HERBICIDES

KEMRON Login No.: L0510264

METHOD

Preparation: SW- 846 3550B(Soils) 3510C(Waters)

Analysis: SW-846 8151

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: For all compounds which yielded a %RSD greater than 15%, linear or higher order equations were applied. All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibraton: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: The LCS associated with WG198747 yielded % recoveries for 2,4-D, 2,4-DB and dichloroprop that were below the acceptance limits. Samples -01, -02, -03 and -04 were sent for re-extraction due to low LCS recoveries. The re-extractions were done within hold time and yielded good LCS recoveries. All other acceptance criteria were met.

Matrix Spikes: There were no MS/MSD results associated with this sample delivery group.

SAMPLES

Surrogates: All acceptance criteria were met.

Samples: For all samples which yielded results with an RPD of greater than 40% between the primary and confirmation column the appropriate flag was applied. All acceptance criteria were met.

Manual Integration Reason Codes

KEMRON laboratory management has identified four general cases with valid reasons supporting the use of manual integration techniques.

Reason #1: Data System Fails to Select Correct Peak

In some cases the chromatography system selects and integrates the ”wrong peak”. In this case the analyst must correct the selection and force the system to integrate the proper peak. Other times the system may miss the peak completely.

Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak.

This phenomena is common at low concentrations where the signal:noise ratio is low. A single compound (peak) is incorrectly split into multiple peaks or integrated as a main peak with one or more rider peaks resulting in low area counts for the target compound.

Reason #3: Improperly Integrated Isomers and/or coeluting compounds.

This system often fails to distinguish coeluting compounds and or isomers. The integration areas and concentrations are wrong, and they must be corrected by manual integration. Prime examples are benzo(k)fluoranthene and benzo(b)fluoranthene which are often unresolved and integrated improperly when both are present at low concentrations in standards or samples.

Reason #4: System Establishes Incorrect Baseline

There are numerous situations in chromatography where the system establishes the baseline incorrectly. Some baseline errors will be obvious to the analyst and should be corrected via manual procedures.

Reason #5: Miscellaneous

Other situations involving integration errors may require in-depth review and technical judgment. These cases should be brought to the attention of the laboratory management. If the form of manual integration is not clearly covered by these four cases, then review and approval by the Laboratory Director or the QA/QC Supervisor will be required.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: ECL

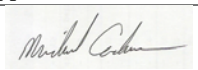
Approved: 21-OCT-05


Figure 1
Semi-Volatile GC Checklist

Run Date: 9-20-05

Analyst: ECL

Instrument: HP15

Method: 8150

Login no.	Due Date	Priority
09-195 RE	9/16	F1

		Analyst	Peer
System Performance Check:	Endrin/DDT Breakdown		
Initial Calibration:	ICAL summary	✓	✓
	Linear or quadriatic regression		
	Alt Source Check	✓	✓
Continuing Calibration:	Continuing Calibration	✓	✓
	Ending standards	✓	✓
	Client Specific Requirements		
	Special Standards		
Blanks:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
LCS/LCS DUP:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
	Spike Compounds	✓	✓
	MS/MSD		
Samples:	Quant Reports/Chromatograms	✓	✓
	Mass spectra		
	Surrogates	✓	✓
	Dilution runs		
	Confirmations	✓	✓
	Correct Factors	✓	✓
	Manual integrations		
Data Package:	Run logs	✓	✓
	Bench sheets	✓	✓
	Upload results	✓	✓
	QC forms	✓	✓
	Seedpak workgroups	✓	✓
Client Data	Data scanned		
	Integrations digitally signed		
	Level 2 pdf files		
	Level 3/Level x		
	Level 4 copies		
	Case narratives		

	Supervisor
Integrations digitally cosigned	
Corrective Action	✓
Results Reporting/Data Qualifiers	✓
Client Data/digital signatures	
Check for Completeness	✓
Check for compliance with method and project requirements	✓
Check the reasonableness of results	✓

√ = Checked & OK

NA = Not Applicable

Comments:

Primary Reviewer: ECL 9/21/05.

Secondary Reviewer: mde 9/26/05

Figure 1
Semi-Volatile GC Checklist

Run Date: 10-17-05

Analyst: ECL

Instrument: HP15

Method: 8151

Login no.	Due Date	Priority
10-264	10/17	P1

		Analyst	Peer
System Performance Check:	Endrin/DDT Breakdown		
Initial Calibration:	ICAL summary		
	Linear or quadriatic regression		
	Alt Source Check		
Continuing Calibration:	Continuing Calibration	✓	✓
	Ending standards	✓	✓
	Client Specific Requirements		
	Special Standards		
Blanks:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
LCS/LCS DUP:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
	Spike Compounds	✓	✓
	MS/MSD		
Samples:	Quant Reports/Chromatograms	✓	✓
	Mass spectra		
	Surrogates	✓	✓
	Dilution runs		
	Confirmations	✓	✓
	Correct Factors	✓	✓
	Manual integrations		
Data Package:	Run logs	✓	✓
	Bench sheets	✓	✓
	Upload results	✓	✓
	QC forms	✓	✓
	Seedpak workgroups	✓	✓
Client Data	Data scanned		
	Integrations digitally signed		
	Level 2 pdf files		
	Level 3/Level x		
	Level 4 copies		
	Case narratives		

	Supervisor
Integrations digitally cosigned	
Corrective Action	✓
Results Reporting/Data Qualifiers	✓
Client Data/digital signatures	
Check for Completeness	✓
Check for compliance with method and project requirements	✓
Check the reasonableness of results	✓

√ = Checked & OK
NA = Not Applicable

Comments: All samples need reextracted

Primary Reviewer: ECL 10/17/05

Secondary Reviewer: mdl 10/17/05

Figure 1
Semi-Volatile GC Checklist

Run Date: 10-18-05

Analyst: ECL/HV

Instrument: HP15

Method: 8151

Login no.	Due Date	Priority
10-264 RE	10/19	P1

		Analyst	Peer
System Performance Check:	Endrin/DDT Breakdown		
Initial Calibration:	ICAL summary		
	Linear or quadriatic regression		
	Alt Source Check		
Continuing Calibration:	Continuing Calibration	√	√
	Ending standards	√	√
	Client Specific Requirements		
	Special Standards		
Blanks:	Quant Report/Chromatogram	√	√
	Surrogates	√	√
LCS/LCS DUP:	Quant Report/Chromatogram	√	√
	Surrogates	√	√
	Spike Compounds	√	√
	MS/MSD		
Samples:	Quant Reports/Chromatograms	√	√
	Mass spectra		
	Surrogates	√	√
	Dilution runs		
	Confirmations	√	√
	Correct Factors		
	Manual integrations		
Data Package:	Run logs	√	√
	Bench sheets	√	√
	Upload results	√	√
	QC forms	√	√
	Seedpak workgroups	√	√
Client Data	Data scanned		
	Integrations digitally signed		
	Level 2 pdf files		
	Level 3/Level x		
	Level 4 copies		
	Case narratives		

	Supervisor
Integrations digitally cosigned	
Corrective Action	√
Results Reporting/Data Qualifiers	√
Client Data/digital signatures	
Check for Completeness	√
Check for compliance with method and project requirements	√
Check the reasonableness of results	√

√ = Checked & OK
NA = Not Applicable

Comments:

Primary Reviewer: ECL 10/19/05

Secondary Reviewer: mle 10/19/05

Example 8151 Calculations

1.0 Calculating the Response Factor (RF) from the initial calibration (ICAL) data:

$$RF = \frac{As}{Cs}$$

where:	Example:
A_s = Area of the compound being measured in the standard	10000
C_s = Concentration of the compound being measured (ng/mL)	100
	RF = 100

2.0 Calculating the concentration (C) of a compound in water using data from prep log and quantitation report:*

$$C = \frac{(A_x)(Vf)(D)}{(RF)(Vi)}$$

where:	Example:
A_x = Area of the compound begin measured	10000
Vf = Final volume of sample extract (mL). (prep log)	1
D = Dilution factor for sample as a multiplier (10X=10)	1
RF = Response factor from ICAL calculated above.	100
Vi = Initial volume of sample (mL). (prep log)	1000
	C(ug/L) = 0.1

3.0 Calculating the concentration (C) of a compound in soil using data from prep log and quantitation report:*

$$C = \frac{(A_x)(Vf)(D)}{(RF)(Wi)}$$

where:	Example:
A_x = Area of the compound begin measured	10000
Vf = Final volume of sample extract (mL). (prep log)	1
D = Dilution factor for sample as a multiplier (10X=10)	1
RF = Response factor from ICAL calculated above.	100
Wi = Initial weight of sample (g).	30
	C(ug/kg) = 3.333333

* Concentrations appearing on instrument quantitation reports are on-column results and do not take into account initial volume, final volume and dilution factor.

R988878

Sample Extract Log Sheet

KEMRON ENVIRONMENTAL SERVICES

Parameter: Herb-Soil SOP #: EXH02 Revision #: 13
Extraction Analyst(s): PAS, CPD, CSH TV/KD Analyst(s): CSH
Date/Time Extracted: 10/14/15 @ 1000 Date TV/KD: 10-14-5
Spike/Surrogate Analyst: PAS Witness: CPD
Surrogate #: STD10030 Earliest Hold Date: 10/26
Spike #: A = STD10062 Spike #: B = –

Extraction Work Group WG 198702
Extract Relinquished By: CSH
Extract Received By & Date: 10/17/15

	Sample ID	Test Code	pH √ <2	pH √ N	pH √ >12	Initial Vol / Wt	Amount Surrogate	Amount Spike	Final Volume	Extract Color	Emulsions √ A	Emulsions √ BN	Emulsions √ N	Comments
1	Blank		✓			50.00g	1mL		10mL	T				WG 198702-01
2	LCS		✓			↓	↓	1mL	↓	↓				WG ↓ -02
3	LCSDUP		✓			↓	↓	↓	↓	↓				WG ↓ -03
4	10-264-01	8151	✓			50.67g	↓		↓	C				
5	-02	↓	✓			49.97g	↓		↓	↓				
6	-03	↓	✓			50.00g	↓		↓	↓				
7	-04	↓	✓			50.22g	↓		↓	↓				
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

CSH 10-14-5

Methylene Chloride Lot #: –
Hexane Lot #: B25E13
Ether Lot #: B31477
Methanol Lot #: B22E28
Solvent: Ethanol Lot #: ER0016-70
Reagent: LabSand Lot #: B10663
Reagent: Iso-Octane Lot #: Y29628
Reagent: Diazomethane Lot #: ER0016-66
Acid: HCL Lot #: B08050
Florisil Lot #: –
Silica Gel Lot #: –
IR Analyst / Date / Time: –
Dried Na_2SO_4 Lot #: (Acidified) ER0016-16

Color Code
T = Transparent
C = Colored
O = Opaque

SILICIC ACID: 2817 M36586

SW-846 Method			On	Off	On	Off
Continuous	3520C					
Soxhlet	3540C					
ASE*	3545					
Sep Funnel	3510C	✓				
Sonication	3550B					
Waste	3580A					

* Accelerated Solvent Extractor (ASE)

Clean-ups			
Florisil 3620B		GPC 3640A	
Silica Gel 3630C		Other	✓
Acid 3665A		N/A	
Sulfur 3660B			

Peer Reviewed By: Chris Hill Date: 10-14-5

Extraction Notes For Volume # 250 Page # 107

General Comments: NONE

Extraction Anomalies: NONE

Concentration Anomalies: NONE

Clean-Up Anomalies: NONE

Supervisor Review: [signature] Date: 10/17/15

R990035

Sample Extract Log Sheet

KEMRON ENVIRONMENTAL SERVICES

Parameter: Herb-Soil SOP #: EXH02 Revision #: 13
Extraction Analyst(s): PAS TV/KD Analyst(s): PAS
Date/Time Extracted: 10/18/5 0830 Date TV/KD: 10/18/5
Spike/Surrogate Analyst: PAS Witness: CSH
Surrogate #: STD10030 Earliest Hold Date: 10/26
Spike #: A = STD10002 Spike #: B = —

Extraction Work Group WG 198828
Extract Relinquished By: PAS
Extract Received By & Date: CAC 10/13/05

	Sample ID	Test Code	pH √ <2	pH √ N	pH √ >12	Initial Vol / Wt	Amount Surrogate	Amount Spike	Final Volume	Extract Color	Emulsions √ A	Emulsions √ BN	Emulsions √ N	Comments
1	Blank		✓			50.00g	1mL		10mL	T				WG 198828-01
2	LCS		✓					1mL		T				WG -02
3	LCS DUP		✓							T				WG -03
4	10-264-01	8151	✓			50.51g				C			☆	REEXT IN HOLD
5	-02		✓			50.46g				C			☆	
6	-03		✓			50.13g				C			☆	
7	-04		✓			50.70g				C			☆	
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

PAS 10/18/5

Methylene Chloride Lot #: —
Hexane Lot #: B25E13
Ether Lot #: B2477
Methanol Lot #: B22E28
Solvent: Ethylene Lot #: ER0016-70
Reagent: LabSand Lot #: B10663
Reagent: Iso-Octane Lot #: 429628
Reagent: Dichloromethane Lot #: ER0016-66
Acid: HCL Lot #: B08050
Florisil Lot #: —
Silica Gel Lot #: —
IR Analyst / Date / Time: —
Dried Na_2SO_4 Lot #: (Acidified) ER0016-72

Silicic Acid 2847 M36586

Color Code
T = Transparent
C = Colored
O = Opaque

SW-846 Method			On	Off	On	Off
Continuous	3520C					
Soxhlet	3540C					
ASE*	3545					
Sep Funnel	3510C	✓				
Sonication	3550B					
Waste	3580A					

* Accelerated Solvent Extractor (ASE)

Clean-ups			
Florisil 3620B		GPC 3640A	
Silica Gel 3630C		Other	✓
Acid 3665A		N/A	
Sulfur 3660B			

Peer Reviewed By: Cheryl Flowers Date: 10-18-05

Extraction Notes For Volume # 250 Page # 123

General Comments:

* RE EXT IN HOLD

Extraction Anomalies:

* - Sy'e on the first Ethatove shake aborbed the Ethatove.

Concentration Anomalies: NONE

Clean-Up Anomalies: NONE

Supervisor Review: _____ Date: _____

Instrument: HP15 Dataset: 092005
Analyst 1: ECL Analyst 2: NA
Method: 8151 SOP: GCS04 Rev: 5

Column 1 ID: RTX-CLP Column 2 ID: RTX-CLP2

Seq.	File ID	Sample Info	Mat	Dil	Reference	Date/Time
1.	15G3177.F	HERB CCV*	1	1	SOS75-11	09/20/05 11:42
2.	15G3177.R	HERB CCV	1	1	SOS75-11	09/20/05 12:09
3.	15G3178.F	WG197059-01 HERB ICAL #5	1	1	SOS75-11	09/20/05 13:36
4.	15G3178.R	WG197059-01 HERB ICAL #5	1	1	SOS75-11	09/20/05 14:03
5.	15G3179.F	WG197059-02 HERB ICAL #4	1	1	SOS75-11	09/20/05 14:03
6.	15G3179.R	WG197059-02 HERB ICAL #4	1	1	SOS75-11	09/20/05 14:29
7.	15G3180.F	WG197059-03 HERB ICAL #3	1	1	SOS75-11	09/20/05 14:29
8.	15G3180.R	WG197059-03 HERB ICAL #3	1	1	SOS75-11	09/20/05 14:56
9.	15G3181.F	WG197059-04 HERB ICAL #2	1	1	SOS75-11	09/20/05 14:56
10.	15G3181.R	WG197059-04 HERB ICAL #2	1	1	SOS75-11	09/20/05 15:22
11.	15G3182.F	WG197059-05 HERB ICAL #1	1	1	SOS75-11	09/20/05 15:22
12.	15G3182.R	WG197059-05 HERB ICAL #1	1	1	SOS75-11	09/20/05 15:49
13.	15G3183.F	WG197059-06 HERB ALT	1	1	SOS75-12	09/20/05 15:49
14.	15G3183.R	WG197059-06 HERB ALT*	1	1	SOS75-12	09/20/05 16:16
15.	15G3184.F	WG196926-01 BLANK V248 P117	7	1	SOIL	09/20/05 16:16
16.	15G3184.R	WG196926-01 BLANK V248 P117	7	1	SOIL	09/20/05 16:42
17.	15G3185.F	WG196926-02 LCS V248 P117	7	1	SOIL	09/20/05 16:42
18.	15G3185.R	WG196926-02 LCS V248 P117	7	1	SOIL	09/20/05 17:09
19.	15G3186.F	WG196926-03 LCS DUP V248 P117	7	1	SOIL	09/20/05 17:09
20.	15G3186.R	WG196926-03 LCS DUP V248 P117	7	1	SOIL	09/20/05 17:35
21.	15G3187.F	L0509195-01	7	1		09/20/05 17:35
22.	15G3187.R	L0509195-01	7	1		09/20/05 18:02
23.	15G3188.F	ELAB HERB SPIKE*	1	1	STD10062	09/20/05 18:02
24.	15G3188.R	ELAB HERB SPIKE*	1	1	STD10062	09/20/05 18:28
25.	15G3189.F	WG197060-01 HERB CCV	1	1	SOS75-11	09/20/05 18:28
26.	15G3189.R	WG197060-01 HERB CCV	1	1	SOS75-11	09/20/05 18:55

1. Standard failed high.
14. Dinoseb failed low.
23. Dinoseb was low.
24. Dinoseb was low.

Approved: September 21, 2005

Instrument: HP15 Dataset: 101705
Analyst 1: ECL Analyst 2: NA
Method: 8151 SOP: GCS04 Rev: 7

Column 1 ID: RTX-CLP Column 2 ID: RTX-CLP2

Seq.	File ID	Sample Info	Mat	Dil	Reference	Date/Time
1.	15G3461.F	WG198748-01 HERB CCV	1	1	SOS75-11	10/17/05 09:42
2.	15G3461.R	WG198748-01 HERB CCV	1	1	SOS75-11	10/17/05 10:08
3.	15G3462.F	L0510264-01*	7	1	SOIL	10/17/05 10:08
4.	15G3462.R	L0510264-01	7	1	SOIL	10/17/05 10:35
5.	15G3463.F	L0510264-02*	7	1	SOIL	10/17/05 10:35
6.	15G3463.R	L0510264-02	7	1	SOIL	10/17/05 11:01
7.	15G3464.F	L0510264-03*	7	1	SOIL	10/17/05 11:01
8.	15G3464.R	L0510264-03	7	1	SOIL	10/17/05 11:28
9.	15G3465.F	L0510264-04*	7	1	SOIL	10/17/05 11:28
10.	15G3465.R	L0510264-04	7	1	SOIL	10/17/05 11:55
11.	15G3466.F	WG198702-01 BLANK V250 P107	7	1	SOIL	10/17/05 11:55
12.	15G3466.R	WG198702-01 BLANK V250 P107	7	1	SOIL	10/17/05 12:22
13.	15G3467.F	WG198702-02 LCS V250 P107*	7	1	SOIL	10/17/05 12:22
14.	15G3467.R	WG198702-02 LCS V250 P107*	7	1	SOIL	10/17/05 12:48
15.	15G3468.F	WG198702-03 LCS DUP V250 P107	7	1	SOIL	10/17/05 12:48
16.	15G3468.R	WG198702-03 LCS DUP V250 P107	7	1	SOIL	10/17/05 13:15
17.	15G3469.F	WG198748-02 HERB CCV	1	1	SOS75-11	10/17/05 13:15
18.	15G3469.R	WG198748-02 HERB CCV*	1	1	SOS75-11	10/17/05 13:41

3. NEED RE-EXTRACTED.
5. NEED RE-EXTRACTED.
7. NEED RE-EXTRACTED.
9. NEED RE-EXTRACTED.
13. 3 compounds failed low.
14. 4 compounds failed low.
18. Standard failed low.

Approved: October 17, 2005

Instrument: HP15 Dataset: 101805
Analyst 1: HAV Analyst 2: ECL
Method: 8151 SOP: GCS04 Rev: 7

Column 1 ID: RTX-CLP Column 2 ID: RTX-CLP2

Seq.	File ID	Sample Info	Mat	Dil	Reference	Date/Time
1.	15G3470.F	HERB CCV	1	1	SOS75-11	10/18/05 16:12
2.	15G3470.R	HERB CCV*	1	1	SOS75-11	10/18/05 16:38
3.	15G3471.F	WG198925-01 HERB CCV @500ppb	1	1	SOS75-11	10/18/05 17:22
4.	15G3471.R	WG198925-01 HERB CCV @500ppb	1	1	SOS75-11	10/18/05 17:48
5.	15G3472.F	WG198828-01 BLK 250-123	7	1		10/18/05 17:48
6.	15G3472.R	WG198828-01 BLK 250-123	7	1		10/18/05 18:14
7.	15G3473.F	WG198828-02 LCS 250-124	7	1		10/18/05 18:14
8.	15G3473.R	WG198828-02 LCS 250-124	7	1		10/18/05 18:41
9.	15G3474.F	WG198828-03 LCS2 250-125	7	1		10/18/05 18:41
10.	15G3474.R	WG198828-03 LCS2 250-125	7	1		10/18/05 19:08
11.	15G3475.F	L0510264-01 RE	7	1		10/18/05 19:08
12.	15G3475.R	L0510264-01 RE	7	1		10/18/05 19:34
13.	15G3476.F	L0510264-02 RE	7	1		10/18/05 19:34
14.	15G3476.R	L0510264-02 RE	7	1		10/18/05 20:01
15.	15G3477.F	L0510264-03 RE	7	1		10/18/05 20:01
16.	15G3477.R	L0510264-03 RE	7	1		10/18/05 20:27
17.	15G3478.F	L0510264-04 RE	7	1		10/18/05 20:27
18.	15G3478.R	L0510264-04 RE	7	1		10/18/05 20:54
19.	15G3479.F	WG198925-02 HERB CCV @500ppb*	1	1	SOS75-11	10/18/05 20:54
20.	15G3479.R	WG198925-02 HERB CCV @500ppb	1	1	SOS75-11	10/18/05 21:21

2. Standard failed low.
19. Silvex and dinoseb failed low.

Approved: October 19, 2005

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

Analytical Method: 8151A AAB#: WG198747

Login Number: L0510264

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
41-BG1-S-1012-05	10/12/05	10/13/05	10/14/05	14	2.11	10/17/05	40	2.76	
41-BG2-S-1012-05	10/12/05	10/13/05	10/14/05	14	2.09	10/17/05	40	2.77	
41-BF2-S-1012-05	10/12/05	10/13/05	10/14/05	14	2.02	10/17/05	40	2.79	
41-TS2-S-1012-05	10/12/05	10/13/05	10/14/05	14	2.01	10/17/05	40	2.81	

* EXT = SEE PROJECT QAPP REQUIREMENTS
*ANAL = SEE PROJECT QAPP REQUIREMENTS

KEMRON FORMS - Modified 11/05/2004
Version 1.5 PDF File ID: 340509
Report generated 10/21/2005 11:46

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

Analytical Method: 8151A AAB#: WG198906

Login Number: L0510264

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
41-BG1-S-1012-05	10/12/05	10/13/05	10/18/05	14	5.80	10/18/05	40	0.461	
41-BG2-S-1012-05	10/12/05	10/13/05	10/18/05	14	5.78	10/18/05	40	0.480	
41-BF2-S-1012-05	10/12/05	10/13/05	10/18/05	14	5.71	10/18/05	40	0.498	
41-TS2-S-1012-05	10/12/05	10/13/05	10/18/05	14	5.70	10/18/05	40	0.517	

* EXT = SEE PROJECT QAPP REQUIREMENTS
*ANAL = SEE PROJECT QAPP REQUIREMENTS

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KEMRON Environmental Services

SURROGATE STANDARDS

Login Number: L0510264
Instrument Id: HP15
Workgroup (AAB#): WG198747

Method: 8151
CAL ID: HP15-20-SEP-05
Matrix: SOLID

Sample Number	Dilution	Tag	1
L0510264-01	1.00	01	38.9
L0510264-02	1.00	01	43.6
L0510264-03	1.00	01	38.5
L0510264-04	1.00	01	36.3
WG198702-01	1.00	01	43.9
WG198702-02	1.00	01	30.0
WG198702-03	1.00	01	36.3

Surrogates	Surrogate Limits		
1 - 2,4-Dichlorophenylacetic acid	25	-	110

Underline = Result out of surrogate limits

DL = surrogate diluted out
ND = surrogate not detected

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KEMRON Environmental Services

SURROGATE STANDARDS

Login Number: L0510264
Instrument Id: HP15
Workgroup (AAB#): WG198906

Method: 8151
CAL ID: HP15-20-SEP-05
Matrix: SOLID

Sample Number	Dilution	Tag	1
L0510264-01	1.00	RE01	72.2
L0510264-02	1.00	RE01	51.1
L0510264-03	1.00	RE01	29.1
L0510264-04	1.00	RE01	72.9
WG198828-01	1.00	01	60.2
WG198828-02	1.00	01	72.4
WG198828-03	1.00	01	63.7

Surrogates	Surrogate Limits		
1 - 2,4-Dichlorophenylacetic acid	25	-	110

Underline = Result out of surrogate limits

DL = surrogate diluted out
ND = surrogate not detected

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KEMRON Environmental Services

METHOD BLANK SUMMARY

Login Number: L0510264
Blank File ID: 15G3466.F
Date Analyzed: 10/17/05
Time Analyzed: 11:55
Analyst: ECL

Work Group: WG198747
Blank Sample ID: WG198702-01
Instrument ID: HP15
Method: 8151A

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
41-BG1-S-1012-05	L0510264-01	15G3462.F	10/17/05 10:08	01
41-BG2-S-1012-05	L0510264-02	15G3463.F	10/17/05 10:35	01
41-BF2-S-1012-05	L0510264-03	15G3464.F	10/17/05 11:01	01
41-TS2-S-1012-05	L0510264-04	15G3465.F	10/17/05 11:28	01
LCS	WG198702-02	15G3467.F	10/17/05 12:22	01
LCS2	WG198702-03	15G3468.F	10/17/05 12:48	01

KEMRON Environmental Services

METHOD BLANK SUMMARY

Login Number: L0510264
Blank File ID: 15G3472.R
Date Analyzed: 10/18/05
Time Analyzed: 18:14
Analyst: HAV

Work Group: WG198906
Blank Sample ID: WG198828-01
Instrument ID: HP15
Method: 8151A

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG198828-02	15G3473.R	10/18/05 18:41	01
LCS2	WG198828-03	15G3474.R	10/18/05 19:08	01
41-BG1-S-1012-05	L0510264-01	15G3475.R	10/18/05 19:34	RE01
41-BG2-S-1012-05	L0510264-02	15G3476.R	10/18/05 20:01	RE01
41-BF2-S-1012-05	L0510264-03	15G3477.R	10/18/05 20:27	RE01
41-TS2-S-1012-05	L0510264-04	15G3478.R	10/18/05 20:54	RE01

KEMRON Environmental Services

METHOD BLANK REPORT

Login Number: L0510264 Run Date: 10/17/2005 Sample ID: WG198702-01
Instrument ID: HP15 Run Time: 11:55 Prep Method: METHOD
File ID: 15G3466.F Analyst: ECL Method: 8151A
Workgroup (AAB#): WG198747 Matrix: Soil Units: ug/kg
Contract #: Cal ID: HP15-20-SEP-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
2,4-D	20.0	40.0	20.0	1	U
2,4-DB	20.0	40.0	20.0	1	U
2,4,5-T	2.00	4.00	2.00	1	U
2,4,5-TP (Silvex)	1.50	3.00	1.50	1	U
Dalapon	50.0	100	50.0	1	U
Dicamba	2.00	4.00	2.00	1	U
Dichloroprop	20.0	40.0	20.0	1	U
Dinoseb	10.0	20.0	10.0	1	U
MCPA	2000	4000	2000	1	U
MCPP	2000	4000	2000	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
2,4-Dichlorophenylacetic acid	43.9	25 - 110	PASS

MDL Method Detection Limit
RL Reporting/quantitation Limit
* Analyte concentration > RL
ND Analyte Not detected at or above reporting limit

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KEMRON Environmental Services

METHOD BLANK REPORT

Login Number: L0510264 Run Date: 10/18/2005 Sample ID: WG198828-01
Instrument ID: HP15 Run Time: 18:14 Prep Method: METHOD
File ID: 15G3472.R Analyst: HAV Method: 8151A
Workgroup (AAB#): WG198906 Matrix: Soil Units: ug/kg
Contract #: Cal ID: HP15-20-SEP-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
2,4-D	20.0	40.0	20.0	1	U
2,4-DB	20.0	40.0	20.0	1	U
2,4,5-T	2.00	4.00	2.00	1	U
2,4,5-TP (Silvex)	1.50	3.00	1.50	1	U
Dalapon	50.0	100	50.0	1	U
Dicamba	2.00	4.00	2.00	1	U
Dichloroprop	20.0	40.0	20.0	1	U
Dinoseb	10.0	20.0	10.0	1	U
MCPA	2000	4000	2000	1	U
MCPP	2000	4000	2000	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
2,4-Dichlorophenylacetic acid	60.2	25 - 110	PASS

MDL Method Detection Limit
RL Reporting/quantitation Limit
* Analyte concentration > RL
ND Analyte Not detected at or above reporting limit

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KEMRON Environmental Services

LABORATORY CONTROL SAMPLES

Login Number: L0510264 Analyst: ECL Prep Method: METHOD
Instrument ID: HP15 Matrix: Soil Method: 8151A
Workgroup (AAB#): WG198747 Units: ug/kg
Sample ID: WG198702-02 LCS File ID: 15G3467.F Run Date: 10/17/2005 12:22
Sample ID: WG198702-03 LCS2 File ID: 15G3468.F Run Date: 10/17/2005 12:48

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
2,4-D	100	25.5	25.5	100	32.1	32.1	22.9	32 - 132	50	*
2,4-DB	100	25.5	25.5	100	41.9	41.9	48.8	29 - 134	50	*
2,4,5-T	10.0	2.89	28.9	10.0	3.80	38.0	27.2	20 - 144	50	
2,4,5-TP (Silvex)	10.0	3.10	31.0	10.0	4.15	41.5	28.8	31 - 132	50	
Dalapon	250	41.7	16.7	250	50.6	20.2	19.4	10 - 99	50	
Dicamba	10.0	3.38	33.8	10.0	4.89	48.9	36.5	33 - 146	50	
Dichloroprop	100	33.2	33.2	100	41.5	41.5	22.3	35 - 139	50	*
Dinoseb	50.0	13.1	26.1	50.0	18.4	36.9	34.1	20 - 120	50	
MCPA	10000	2960	29.6	10000	3520	35.2	17.3	20 - 120	50	
MCPP	10000	3130	31.3	10000	4220	42.2	29.6	20 - 120	50	

Surogates	LCS	LCS2	Surrogate Limits	Qualifier
	% Recovery	% Recovery		
2,4-Dichlorophenylacetic acid	30.0	36.3	25 - 110	PASS

* FAILS %REC LIMIT

\# FAILS RPD LIMIT

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KEMRON Environmental Services

LABORATORY CONTROL SAMPLES

Login Number: L0510264 Analyst: HAV Prep Method: METHOD
Instrument ID: HP15 Matrix: Soil Method: 8151A
Workgroup (AAB#): WG198906 Units: ug/kg
Sample ID: WG198828-02 LCS File ID: 15G3473.R Run Date: 10/18/2005 18:41
Sample ID: WG198828-03 LCS2 File ID: 15G3474.R Run Date: 10/18/2005 19:08

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
2,4-D	100	70.7	70.7	100	63.8	63.8	10.2	32 - 132	50	
2,4-DB	100	67.8	67.8	100	63.1	63.1	7.12	29 - 134	50	
2,4,5-T	10.0	7.95	79.5	10.0	7.24	72.4	9.40	20 - 144	50	
2,4,5-TP (Silvex)	10.0	8.29	82.9	10.0	7.64	76.4	8.16	31 - 132	50	
Dalapon	250	127	50.8	250	102	40.9	21.6	10 - 99	50	
Dicamba	10.0	7.05	70.5	10.0	6.40	64.0	9.67	33 - 146	50	
Dichloroprop	100	103	103	100	92.0	92.0	11.3	35 - 139	50	
Dinoseb	50.0	45.6	91.2	50.0	40.7	81.3	11.5	20 - 120	50	
MCPA	10000	7220	72.2	10000	6300	63.0	13.6	20 - 120	50	
MCPP	10000	7230	72.3	10000	6440	64.4	11.5	20 - 120	50	

Surogates	LCS	LCS2	Surrogate Limits	Qualifier
	% Recovery	% Recovery		
2,4-Dichlorophenylacetic acid	72.4	63.7	25 - 110	PASS

* FAILS %REC LIMIT

\# FAILS RPD LIMIT

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KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264
Analytical Method: 8151A
ICAL Workgroup: WG197059

Instrument ID: HP15
Initial Calibration Date: 20-SEP-05

Analyte		AVG RF	% RSD	R2	QUAD
2,4,5-T		2174000	0.900		
2,4-D		469100	10.8		
2,4-DB		279000	4.78		
Dalapon		401100	4.96		
Dicamba		1493000	4.51		
Dichloroprop		385800	11.3		
Dinoseb		1241000	2.31		
MCPA		1567000	16.2		
MCPP		1014000	8.02		
Silvex		2337000	1.41		

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KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264

Analytical Method: 8151A

ICAL Workgroup: WG197059

Instrument ID: HP15

Initial Calibration Date: 20-SEP-05

Analyte		AVG RF	% RSD	R2	QUAD
2,4,5-T		2397000	1.68		
2,4-D		604800	6.67		
2,4-DB		349400	2.71		
Dalapon		587900	7.26		
Dicamba		1863000	4.34		
Dichloroprop		490200	8.22		
Dinoseb		1456000	2.22		
MCPA		2229000	15.2		
MCPP		1493000	8.48		
Silvex		2624000	1.37		

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KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 **Instrument ID:** HP15

Analytical Method: 8151A **Initial Calibration Date:** 20-SEP-05

Analyte	WG197059-01			WG197059-02		
	CONC	RESP	RF	CONC	RESP	RF
2,4,5-T	200	433737307	2169000	100	216759944	2168000
2,4-D	2000	845465330	422700	1000	438611243	438600
2,4-DB	2000	538939977	269500	1000	269146132	269100
Dalapon	5000	1938706329	387700	2500	965538709	386200
Dicamba	200	279794360	1399000	100	145521964	1455000
Dichloroprop	2000	678335441	339200	1000	355310216	355300
Dinoseb	1000	1210412080	1210000	500	607425384	1215000
MCPA	200	267618132	1338000	100	139928160	1399000
MCPP	200	186816018	934100	100	95401988	954000
Silvex	200	473137754	2366000	100	237066171	2371000

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 **Instrument ID:** HP15

Analytical Method: 8151A **Initial Calibration Date:** 20-SEP-05

Analyte	WG197059-03			WG197059-04		
	CONC	RESP	RF	CONC	RESP	RF
2,4,5-T	50.0	109612735	2192000	25.0	54842609	2194000
2,4-D	500	227381017	454800	250	119419995	477700
2,4-DB	500	136606565	273200	250	70630387	282500
Dalapon	1250	490109045	392100	625	253401229	405400
Dicamba	50.0	74909741	1498000	25.0	38753013	1550000
Dichloroprop	500	189210429	378400	250	101884688	407500
Dinoseb	250	311187024	1245000	125	157550105	1260000
MCPA	50.0	74328830	1487000	25.0	40910312	1636000
MCPP	50.0	49759106	995200	25.0	26299935	1052000
Silvex	50.0	117155488	2343000	25.0	57790749	2312000

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 Instrument ID: HP15

Analytical Method: 8151A Initial Calibration Date: 20-SEP-05

Analyte	WG197059-05		
	CONC	RESP	RF
2,4,5-T	10.0	21467894	2147000
2,4-D	100	55185360	551900
2,4-DB	100	30083392	300800
Dalapon	250	108513240	434100
Dicamba	10.0	15606941	1561000
Dichloroprop	100	44844421	448400
Dinoseb	50.0	63845578	1277000
MCPA	10.0	19747907	1975000
MCPP	10.0	11351922	1135000
Silvex	10.0	22953647	2295000

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 **Instrument ID:** HP15

Analytical Method: 8151A **Initial Calibration Date:** 20-SEP-05

Analyte	WG197059-01			WG197059-02		
	CONC	RESP	RF	CONC	RESP	RF
2,4,5-T	200	481920371	2410000	100	235408065	2354000
2,4-D	2000	1121211738	560600	1000	580497731	580500
2,4-DB	2000	704644038	352300	1000	338261170	338300
Dalapon	5000	2724492466	544900	2500	1406786945	562700
Dicamba	200	351793482	1759000	100	184458736	1845000
Dichloroprop	2000	901393557	450700	1000	457318872	457300
Dinoseb	1000	1435215791	1435000	500	717265037	1435000
MCPA	200	386684877	1933000	100	202610312	2026000
MCPP	200	272659790	1363000	100	142503028	1425000
Silvex	200	530115566	2651000	100	259351224	2594000

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 Instrument ID: HP15

Analytical Method: 8151A Initial Calibration Date: 20-SEP-05

Analyte	WG197059-03			WG197059-04		
	CONC	RESP	RF	CONC	RESP	RF
2,4,5-T	50.0	118035750	2361000	25.0	60233865	2409000
2,4-D	500	296901222	593800	250	156521413	626100
2,4-DB	500	170235706	340500	250	89413105	357700
Dalapon	1250	719345821	575500	625	376021298	601600
Dicamba	50.0	92498654	1850000	25.0	46890768	1876000
Dichloroprop	500	241283458	482600	250	128211631	512800
Dinoseb	250	362421679	1450000	125	180968456	1448000
MCPA	50.0	104340291	2087000	25.0	57881081	2315000
MCPP	50.0	72633972	1453000	25.0	38351438	1534000
Silvex	50.0	129350832	2587000	25.0	65487594	2620000

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 Instrument ID: HP15

Analytical Method: 8151A Initial Calibration Date: 20-SEP-05

Analyte	WG197059-05		
	CONC	RESP	RF
2,4,5-T	10.0	24521765	2452000
2,4-D	100	66304132	663000
2,4-DB	100	35828210	358300
Dalapon	250	163681059	654700
Dicamba	10.0	19838574	1984000
Dichloroprop	100	54750612	547500
Dinoseb	50.0	75622955	1512000
MCPA	10.0	27812689	2781000
MCPP	10.0	16914711	1691000
Silvex	10.0	26700983	2670000

KEMRON Environmental Services

ALTERNATE SOURCE CALIBRATION REPORT

Login Number: L0510264 Run Date: 09/20/2005 Sample ID: WG197059-06
Instrument ID: HP15 Run Time: 15:49 Method: 8151A
File ID: 15G3183.F Analyst: ECL
ICal Workgroup: WG197059 Cal ID: HP15 - 20-SEP-05

Analyte		Expected	Found	RF	%D	UNITS	Q
2,4-D		500	425	399000	15	ug/L	
2,4-DB		500	462	258000	7.6	ug/L	
2,4,5-T		50	43.2	1880000	13.6	ug/L	
Silvex		50	49.6	2320000	.7	ug/L	
Dalapon		1250	1070	342000	14.8	ug/L	
Dicamba		50	49.4	1480000	1.1	ug/L	
Dichloroprop		500	524	404000	4.7	ug/L	
Dinoseb		250	217	1080000	13.2	ug/L	
MCPA		50	42.8	1340000	14.5	mg/L	
MCPP		50	43.2	876000	13.6	mg/L	

* Exceeds %D Limit

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KEMRON Environmental Services

ALTERNATE SOURCE CALIBRATION REPORT

Login Number: L0510264 Run Date: 09/20/2005 Sample ID: WG197059-06
Instrument ID: HP15 Run Time: 16:16 Method: 8151A
File ID: 15G3183.R Analyst: ECL
ICal Workgroup: WG197059 Cal ID: HP15 - 20-SEP-05

Analyte		Expected	Found	RF	%D	UNITS	Q
2,4-D		500	428	518000	14.3	ug/L	
2,4-DB		500	435	304000	13	ug/L	
2,4,5-T		50	43.3	2080000	13.3	ug/L	
Silvex		50	47.9	2520000	4.1	ug/L	
Dalapon		1250	1080	507000	13.7	ug/L	
Dicamba		50	48.8	1820000	2.5	ug/L	
Dichloroprop		500	517	507000	3.5	ug/L	
Dinoseb		250	211	1230000	15.6	ug/L	
MCPA		50	42.8	1910000	14.5	mg/L	
MCPP		50	42.8	1280000	14.4	mg/L	

* Exceeds %D Limit

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KEMRON Environmental Services

CONTINUING CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/17/2005 Sample ID: WG198748-01
Instrument ID: HP15 Run Time: 09:42 Method: 8151A
File ID: 15G3461.F Analyst: ECL
Workgroup (AAB#): WG198747 Cal ID: HP15 - 20-SEP-05

Analyte		Expected	Found	RF	%D	UNITS	Q
2,4-D		500	482	452000	3.7	ug/L	
2,4-DB		500	465	260000	6.9	ug/L	
2,4,5-T		50	48.7	2120000	2.7	ug/L	
Silvex		50	48.6	2270000	2.9	ug/L	
Dalapon		1250	1100	352000	12.4	ug/L	
Dicamba		50	50.0	1490000	0	ug/L	
Dichloroprop		500	476	367000	4.8	ug/L	
Dinoseb		250	250	1240000	.1	ug/L	
MCPA		50	48.7	1530000	2.6	mg/L	
MCPP		50	51.5	1050000	3.1	mg/L	

* Exceeds %D Limit

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Version 1.3 PDF File ID: 340513
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KEMRON Environmental Services

CONTINUING CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/17/2005 Sample ID: WG198748-02
Instrument ID: HP15 Run Time: 13:15 Method: 8151A
File ID: 15G3469.F Analyst: ECL
Workgroup (AAB#): WG198747 Cal ID: HP15 - 20-SEP-05

Analyte		Expected	Found	RF	%D	UNITS	Q
2,4-D		500	500	469000	0	ug/L	
2,4-DB		500	480	268000	4.1	ug/L	
2,4,5-T		50	49.8	2160000	.5	ug/L	
Silvex		50	49.6	2320000	.8	ug/L	
Dalapon		1250	1090	349000	13.1	ug/L	
Dicamba		50	51.5	1540000	3.1	ug/L	
Dichloroprop		500	493	381000	1.4	ug/L	
Dinoseb		250	251	1240000	.2	ug/L	
MCPA		50	49.6	1550000	.8	mg/L	
MCPP		50	52.7	1070000	5.4	mg/L	

* Exceeds %D Limit

KEMRON FORMS - Modified 03/21/2005
Version 1.3 PDF File ID: 340513
Report generated 10/21/2005 11:47

KEMRON Environmental Services

CONTINUING CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/18/2005 Sample ID: WG198925-01
Instrument ID: HP15 Run Time: 17:48 Method: 8151A
File ID: 15G3471.R Analyst: HAV
Workgroup (AAB#): WG198906 Cal ID: HP15 - 20-SEP-05

Analyte		Expected	Found	RF	%D	UNITS	Q
2,4-D		500	461	558000	7.7	ug/L	
2,4-DB		500	487	340000	2.7	ug/L	
2,4,5-T		50	49.7	2380000	.5	ug/L	
Silvex		50	48.5	2540000	3	ug/L	
Dalapon		1250	1310	618000	5.1	ug/L	
Dicamba		50	43.0	1600000	14	ug/L	
Dichloroprop		500	436	428000	12.7	ug/L	
Dinoseb		250	265	1540000	6.1	ug/L	
MCPA		50	45.8	2040000	8.4	mg/L	
MCPP		50	46.5	1390000	7	mg/L	

* Exceeds %D Limit

KEMRON FORMS - Modified 03/21/2005
Version 1.3 PDF File ID: 340513
Report generated 10/21/2005 11:47

KEMRON Environmental Services

CONTINUING CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/18/2005 Sample ID: WG198925-02
Instrument ID: HP15 Run Time: 21:21 Method: 8151A
File ID: 15G3479.R Analyst: HAV
Workgroup (AAB#): WG198906 Cal ID: HP15 - 20-SEP-05

Analyte		Expected	Found	RF	%D	UNITS	Q
2,4-D		500	521	630000	4.2	ug/L	
2,4-DB		500	540	377000	8	ug/L	
2,4,5-T		50	53.7	2570000	7.3	ug/L	
Silvex		50	51.9	2720000	3.7	ug/L	
Dalapon		1250	1320	621000	5.7	ug/L	
Dicamba		50	44.0	1640000	12	ug/L	
Dichloroprop		500	459	450000	8.1	ug/L	
Dinoseb		250	283	1650000	13.1	ug/L	
MCPA		50	57.2	2550000	14.5	mg/L	
MCPP		50	51.3	1530000	2.6	mg/L	

* Exceeds %D Limit

KEMRON FORMS - Modified 03/21/2005
Version 1.3 PDF File ID: 340513
Report generated 10/21/2005 11:47

2.2.5.2 Sample Data

Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\101705\
Data File : 15G3462.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Oct 2005 10:08 (#1); 17 Oct 2005 10:35 (#2)
Operator : ECL
Sample : L0510264-01
Misc : 7,1 SOIL
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 17 12:54:00 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Sep 21 08:45:04 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
2) S	2,4-Dichlorophen	11.99	12.88	70730612	86910911	194.611	177.653	
	Spiked Amount 500.000				Recovery =	38.92%	35.53%	
	Target Compounds							
1)	Dalapon	0.00	0.00	0	0	N.D.	N.D.	
3)	MCPA	12.51f	13.32	16219503	6661452	10.350	2.989	#
4)	Dicamba	0.00	0.00	0	0	N.D.	N.D.	
5)	MCPP	0.00	0.00	0	0	N.D.	N.D.	
6)	Dichloroprop	12.83f	0.00	13541405	0	35.102	N.D.	#
7)	2,4-D	0.00	0.00	0	0	N.D.	N.D.	
8)	Pentachlorophenol	13.21	14.21f	31333906	14950592	4.558	1.912	#
9)	Silvex	0.00	0.00	0	0	N.D.	N.D.	
10)	2,4,5-T	0.00	0.00	0	0	N.D.	N.D.	
11)	Dinoseb	0.00	15.24	0	5432693	N.D.	3.731	#
12)	2,4-DB	14.16	15.01	23051858	4327852	82.612	12.387	#

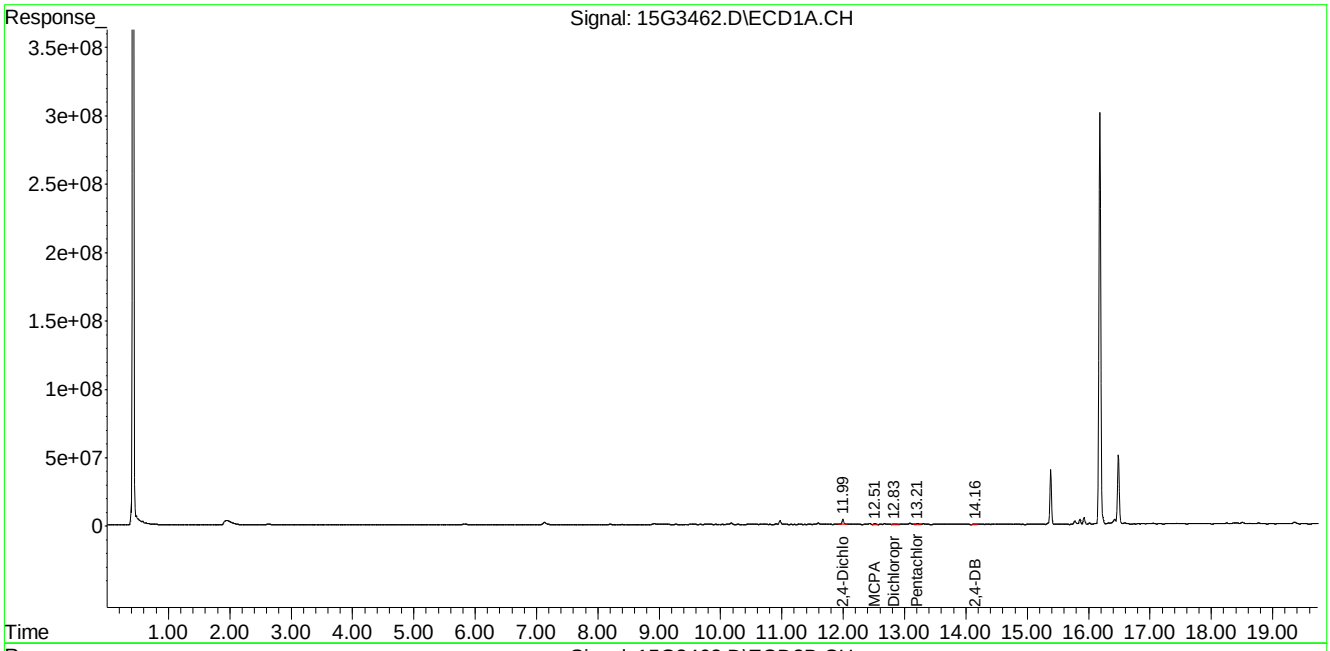
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

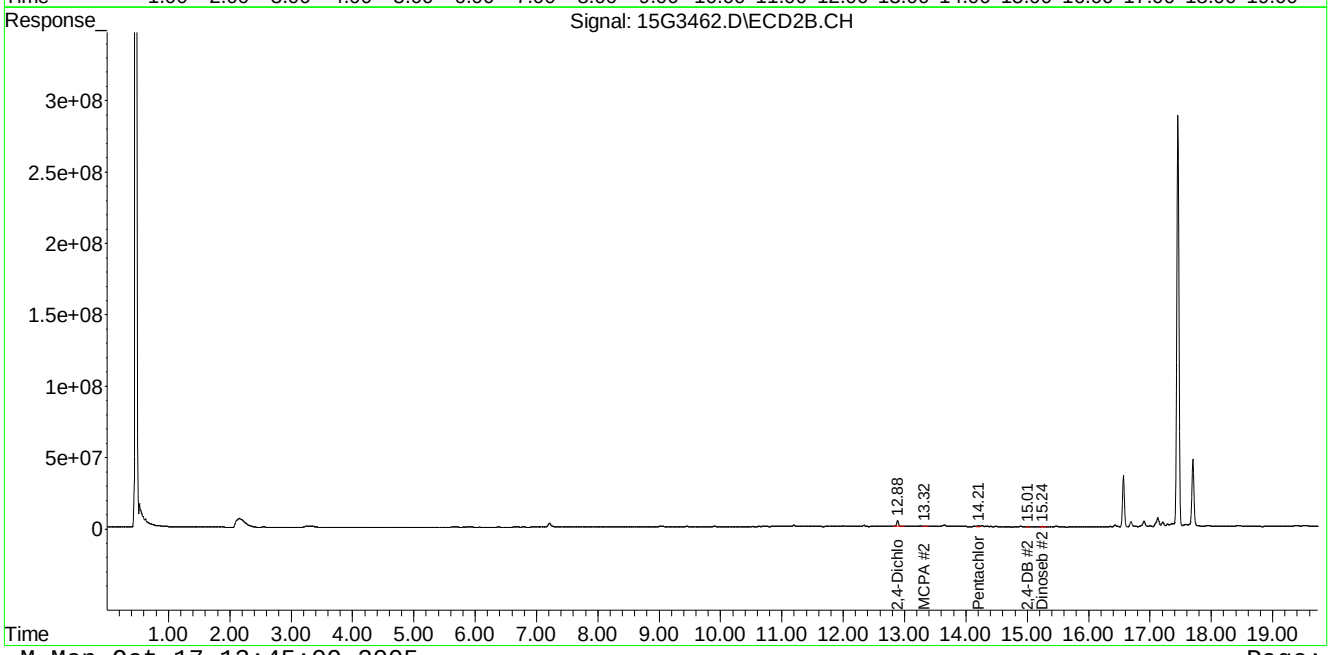
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\101705\
Data File : 15G3462.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Oct 2005 10:08 (#1); 17 Oct 2005 10:35 (#2)
Operator : ECL
Sample : L0510264-01
Misc : 7,1 SOIL
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 17 12:54:00 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Sep 21 08:45:04 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



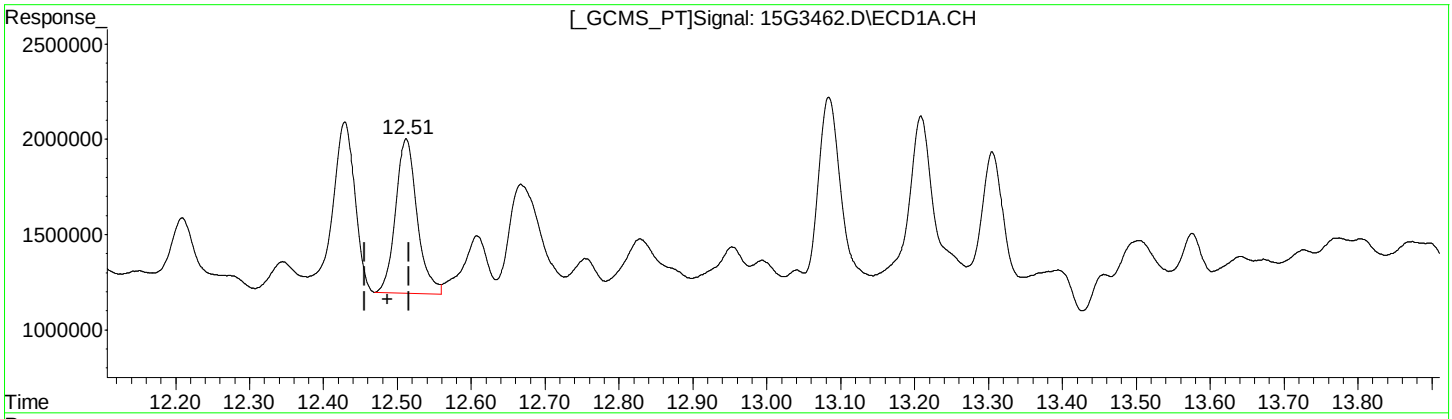


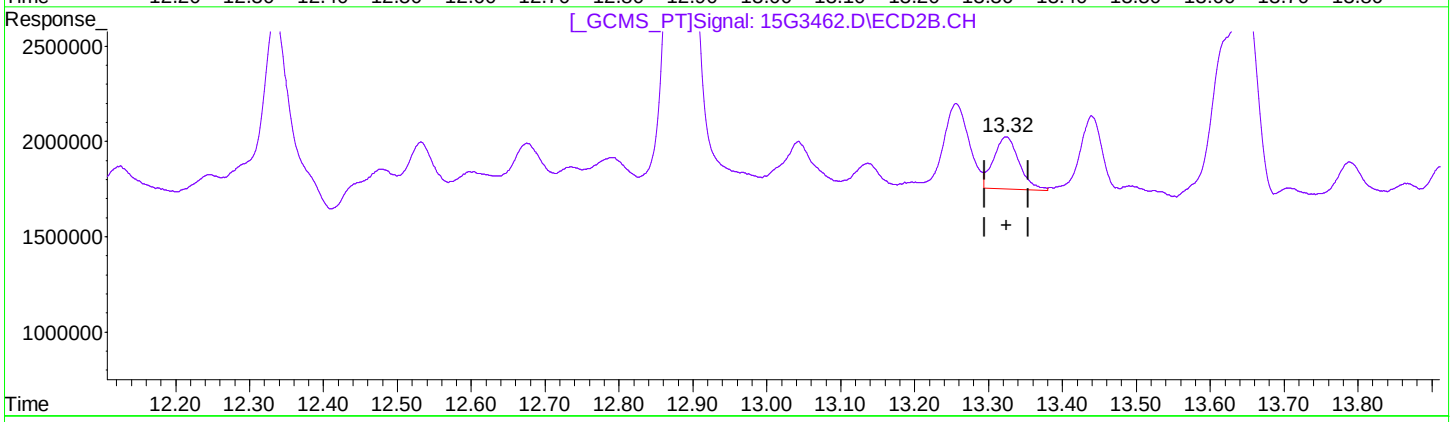
Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\101705\
Data File : 15G3462.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Oct 2005 10:08 (#1); 17 Oct 2005 10:35 (#2)
Operator : ECL
Sample : L0510264-01
Misc : 7,1 SOIL
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 17 12:54:00 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Sep 21 08:45:04 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(3) MCPA

12.51min 10.350mg/l

response 16219503

(3) MCPA #2

13.32min 2.989mg/l

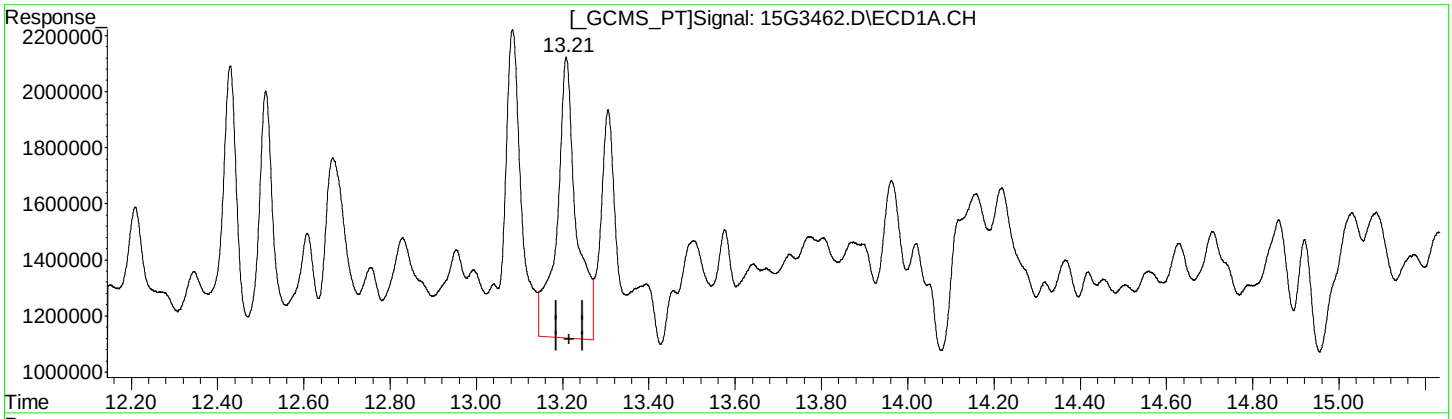
response 6661452

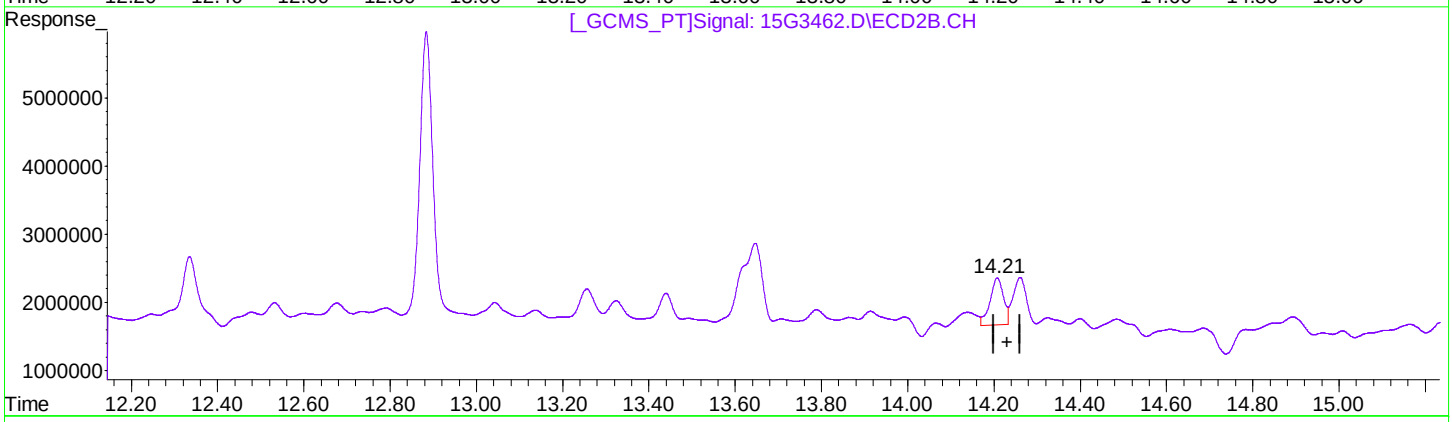
(+) = Expected Retention Time

8151.M Mon Oct 17 13:48:13 2005 Page: 1

Quantitation Report (Qedit)

```
Data Path : C:\MSDCHEM\1\DATA\101705\
Data File : 15G3462.D
Signal(s) : Signal #1: ECD1A.CH  Signal #2: ECD2B.CH
Acq On    : 17 Oct 2005  10:08 (#1); 17 Oct 2005  10:35 (#2)
Operator  : ECL
Sample    : L0510264-01
Misc      : 7,1 SOIL
ALS Vial  : 2   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 17 12:54:00 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title  : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Sep 21 08:45:04 2005
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```





QEdit

(8) Pentachlorophenol

13.21min 4.558UG/L

response 31333906

(8) Pentachlorophenol #2

14.21min 1.912UG/L

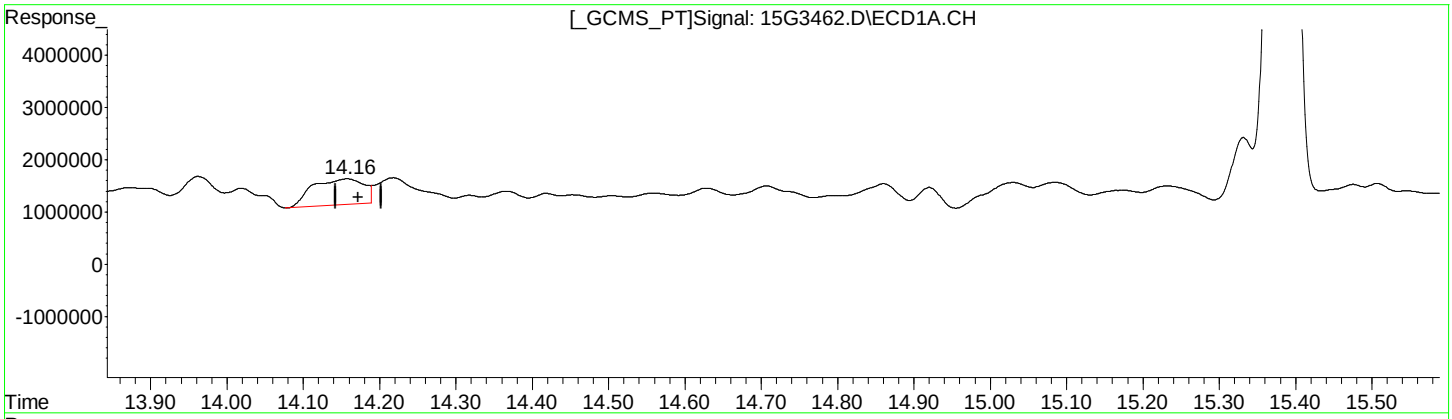
response 14950592

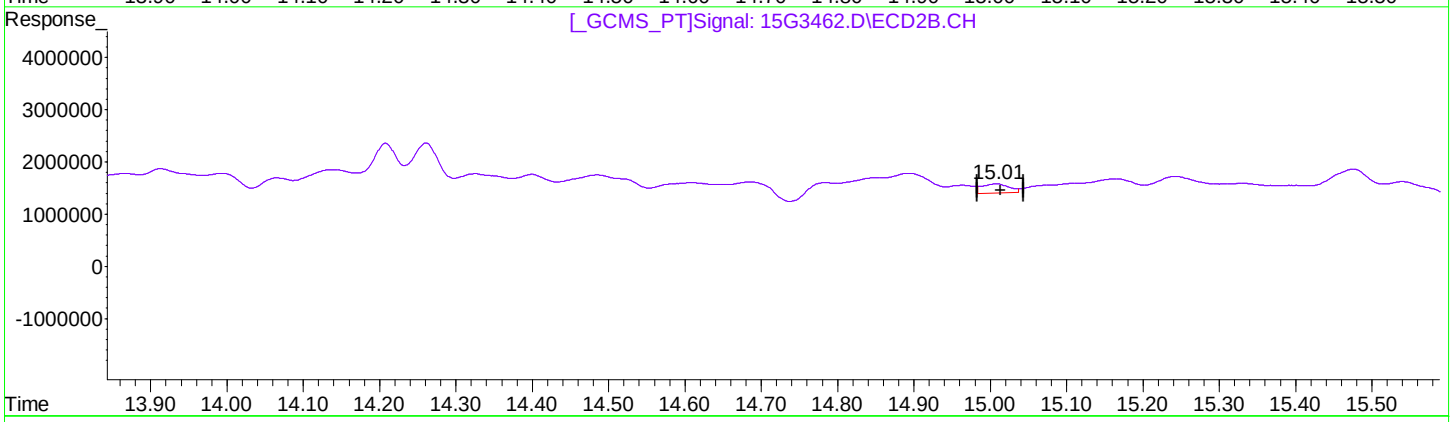
(+) = Expected Retention Time

8151.M Mon Oct 17 13:48:23 2005 Page: 1

Quantitation Report (Qedit)

```
Data Path : C:\MSDCHEM\1\DATA\101705\
Data File : 15G3462.D
Signal(s) : Signal #1: ECD1A.CH  Signal #2: ECD2B.CH
Acq On    : 17 Oct 2005  10:08 (#1); 17 Oct 2005  10:35 (#2)
Operator  : ECL
Sample    : L0510264-01
Misc      : 7,1 SOIL
ALS Vial  : 2   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 17 12:54:00 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title  : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Sep 21 08:45:04 2005
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```





QEdit

(12) 2,4-DB

14.16min 82.612ug/L

response 23051858

(12) 2,4-DB #2

15.01min 12.387ug/L

response 4327852

(+) = Expected Retention Time

8151.M Mon Oct 17 13:48:37 2005 Page: 1

Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\101805\
Data File : 15G3475.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Oct 2005 19:08 (#1); 18 Oct 2005 19:34 (#2)
Operator : HAV
Sample : L0510264-01 RE
Misc : 7,1,RE soil
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 19 07:44:38 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Oct 19 07:35:14 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
2) S	2,4-Dichlorophen	12.00	12.89	118.3E6	176.5E6	325.580	360.814	
	Spiked Amount 500.000				Recovery =	65.12%	72.16%	
	Target Compounds							
1)	Dalapon	0.00	0.00	0	0	N.D.	N.D.	
3)	MCPA	12.51f	13.33f	13467636	7473566	8.594	3.354	#
4)	Dicamba	0.00	0.00	0	0	N.D.	N.D.	
5)	MCPP	12.35	0.00	2024972	0	1.997	N.D.	#
6)	Dichloroprop	12.83f	13.65f	8421896	62665571	21.831	127.840	#
7)	2,4-D	0.00	13.87	0	9509336	N.D.	15.723	#
8)	Pentachlorophenol	13.21	14.27f	37206799	28639091	5.413	3.663	#
9)	Silvex	13.65f	14.49f	14088941	20425686	6.028	7.784	#
10)	2,4,5-T	13.81	0.00	13998539	0	6.440	N.D.	#
11)	Dinoseb	0.00	15.25	0	10922080	N.D.	7.502	#
12)	2,4-DB	14.15f	0.00	18726884	0	67.113	N.D.	#

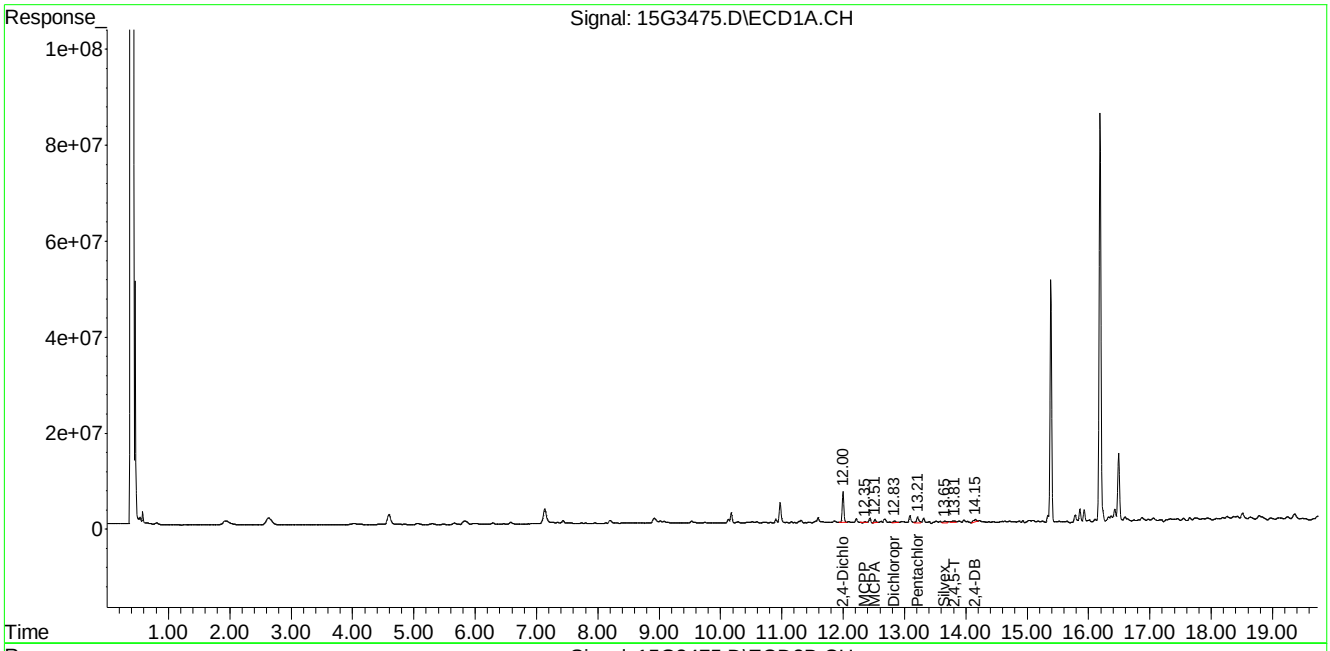
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

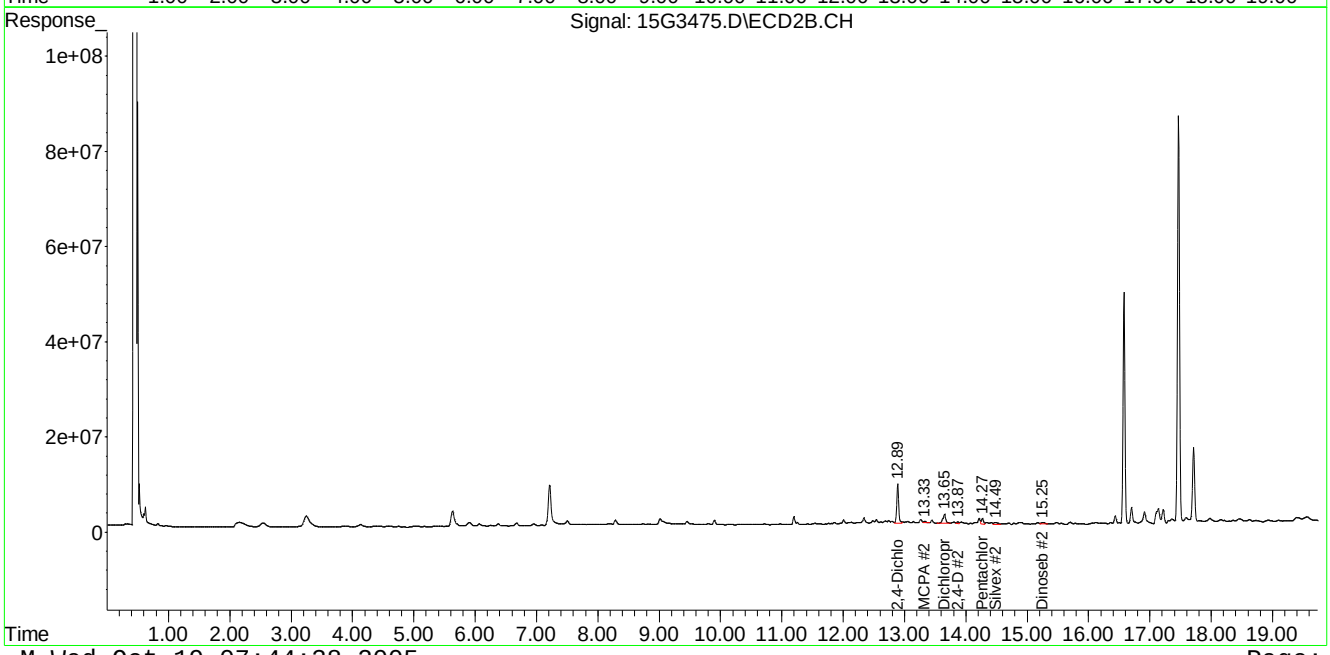
Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\101805\
Data File : 15G3475.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Oct 2005 19:08 (#1); 18 Oct 2005 19:34 (#2)
Operator : HAV
Sample : L0510264-01 RE
Misc : 7,1,RE soil
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 19 07:44:38 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Oct 19 07:35:14 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



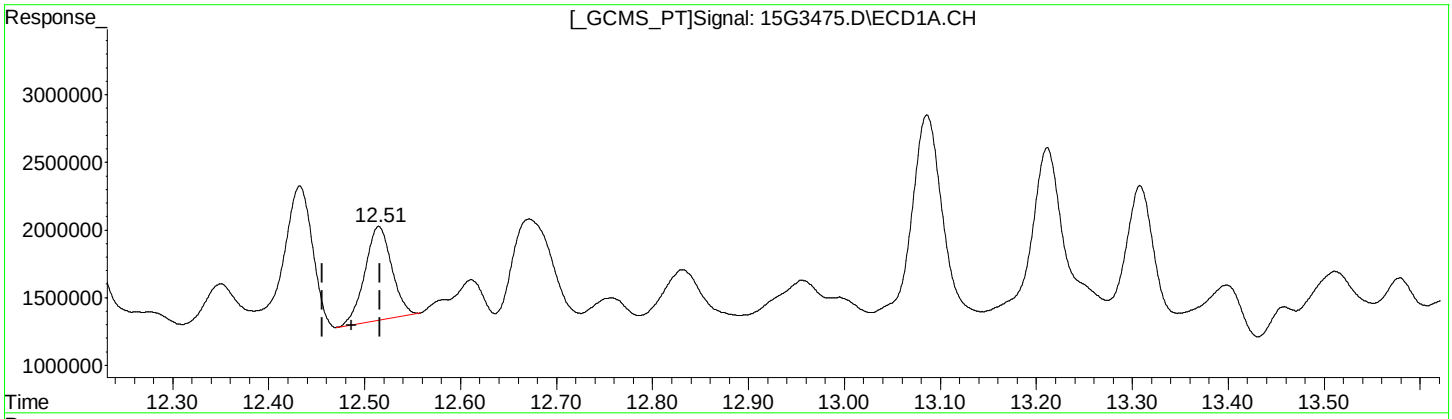


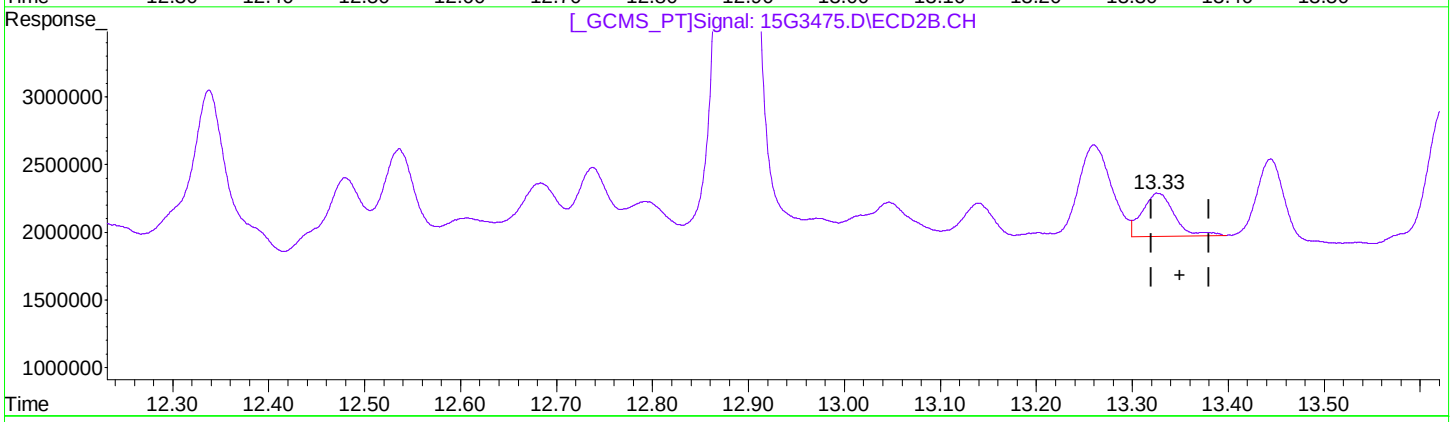
Quantitation Report (Qedit)

Data Path : C:\MSDChem\1\DATA\101805\
Data File : 15G3475.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Oct 2005 19:08 (#1); 18 Oct 2005 19:34 (#2)
Operator : HAV
Sample : L0510264-01 RE
Misc : 7,1,RE soil
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 19 07:44:38 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Oct 19 07:35:14 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(3) MCPA

12.51min 8.594mg/l

response 13467636

(3) MCPA #2

13.33min 3.354mg/l

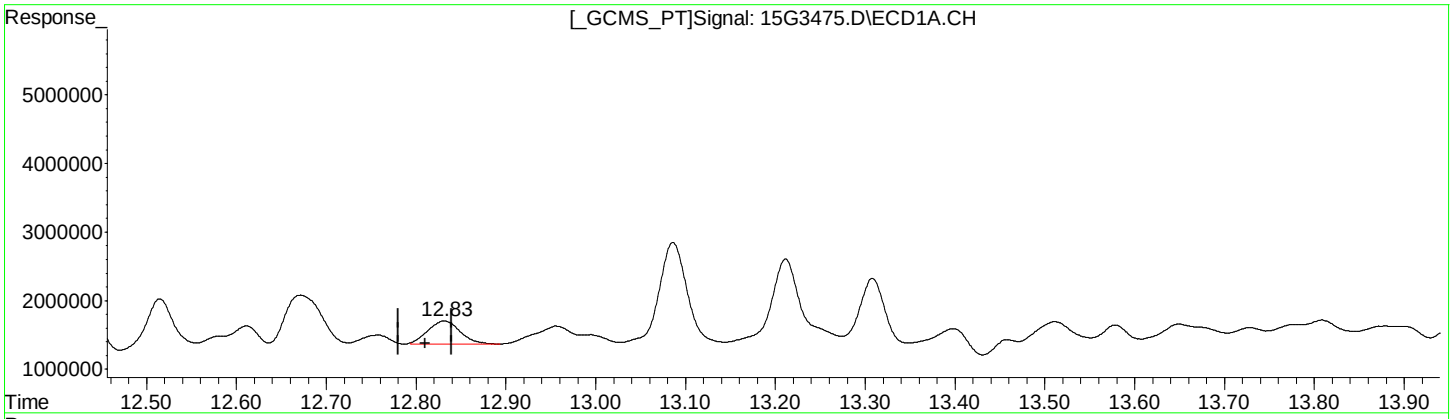
response 7473566

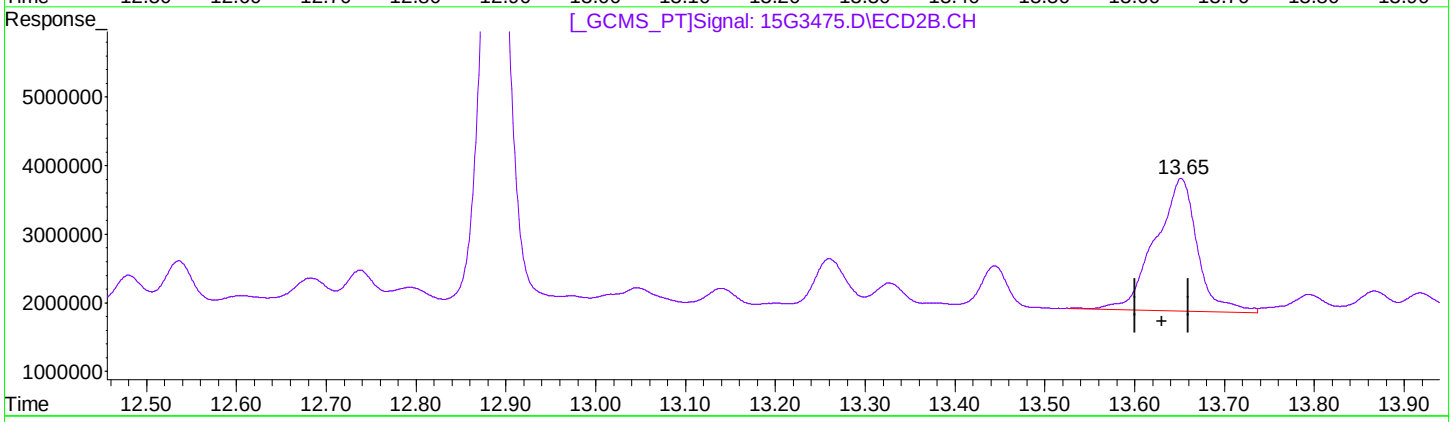
(+) = Expected Retention Time

8151.M Wed Oct 19 08:35:35 2005 Page: 1

Quantitation Report (Qedit)

```
Data Path : C:\MSDChem\1\DATA\101805\
Data File : 15G3475.D
Signal(s) : Signal #1: ECD1A.CH  Signal #2: ECD2B.CH
Acq On    : 18 Oct 2005  19:08 (#1); 18 Oct 2005  19:34 (#2)
Operator  : HAV
Sample    : L0510264-01 RE
Misc      : 7,1,RE soil
ALS Vial  : 6   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 19 07:44:38 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title  : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Oct 19 07:35:14 2005
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```





QEdit

(6) Dichloroprop

12.83min 21.831ug/L

response 8421896

(6) Dichloroprop #2

13.65min 127.840ug/L

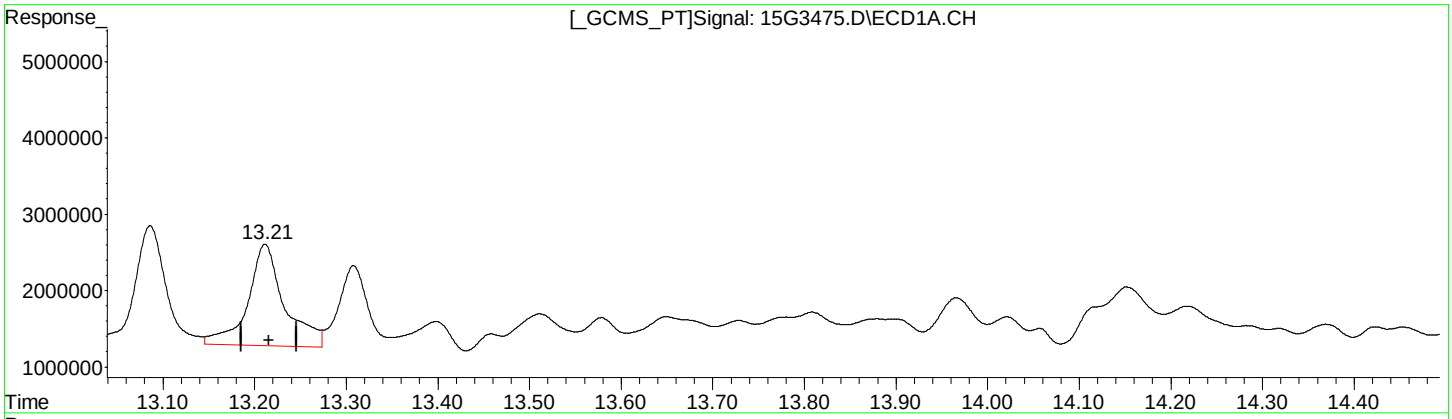
response 62665571

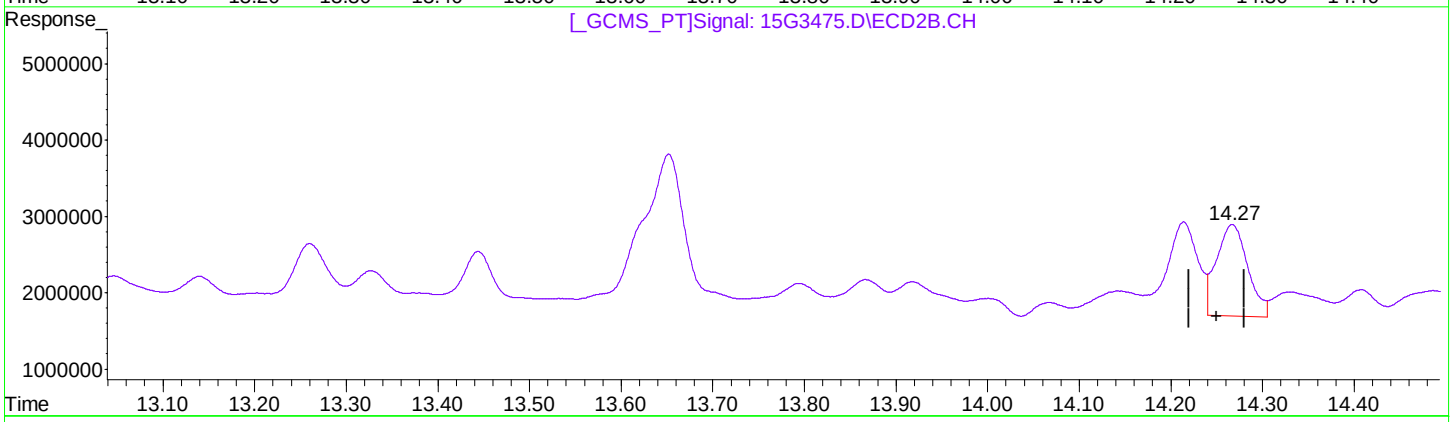
(+) = Expected Retention Time

8151.M Wed Oct 19 08:35:50 2005 Page: 1

Quantitation Report (Qedit)

```
Data Path : C:\MSDChem\1\DATA\101805\
Data File : 15G3475.D
Signal(s) : Signal #1: ECD1A.CH  Signal #2: ECD2B.CH
Acq On    : 18 Oct 2005  19:08 (#1); 18 Oct 2005  19:34 (#2)
Operator  : HAV
Sample    : L0510264-01 RE
Misc      : 7,1,RE soil
ALS Vial  : 6   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 19 07:44:38 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title  : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Oct 19 07:35:14 2005
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```





QEdit

(8) Pentachlorophenol

13.21min 5.413UG/L

response 37206799

(8) Pentachlorophenol #2

14.27min 3.663UG/L

response 28639091

(+) = Expected Retention Time

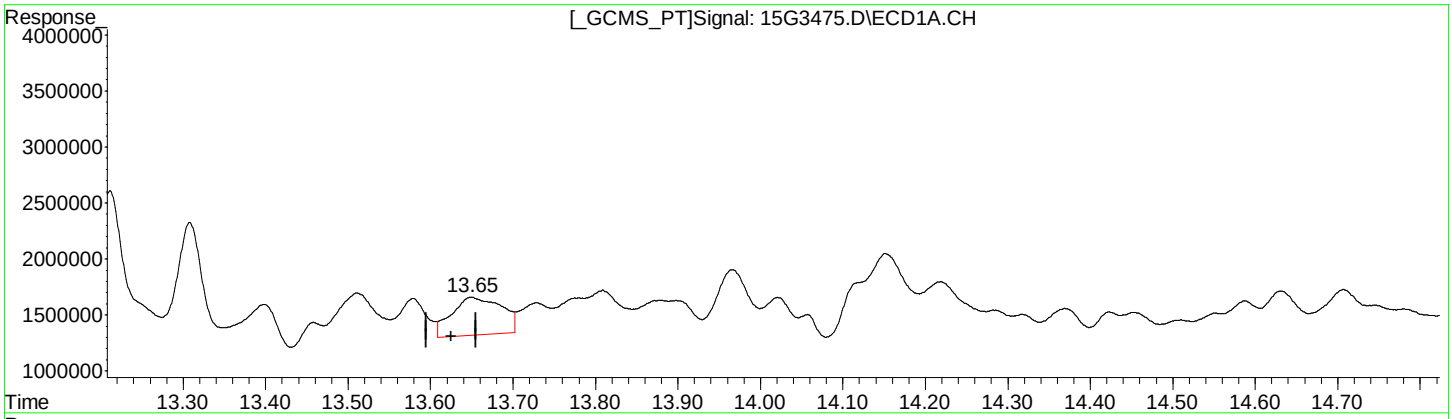
8151.M Wed Oct 19 08:36:15 2005 Page: 1

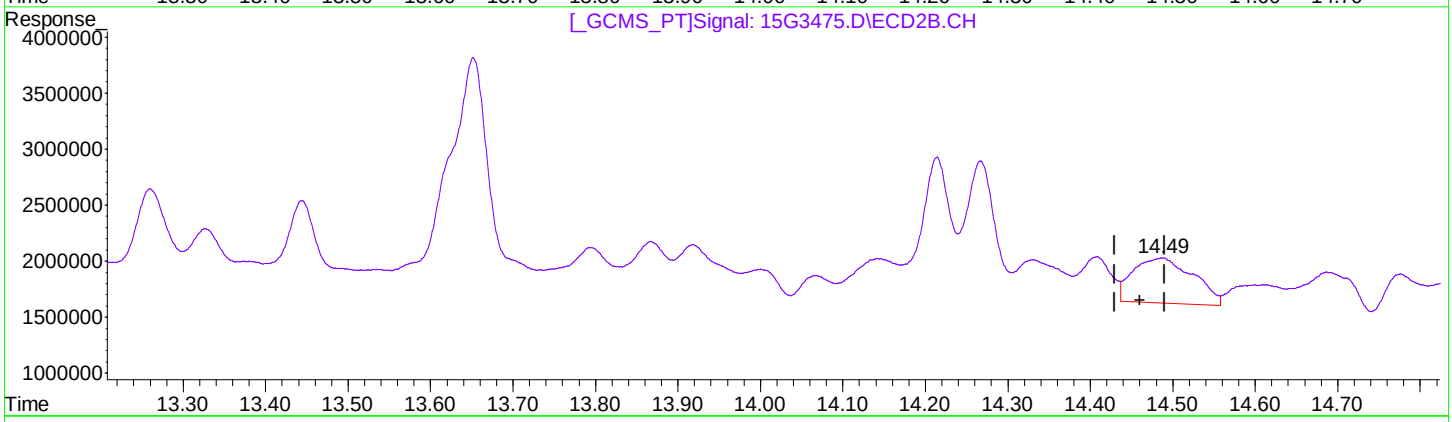
Quantitation Report (Qedit)

Data Path : C:\MSDChem\1\DATA\101805\
Data File : 15G3475.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Oct 2005 19:08 (#1); 18 Oct 2005 19:34 (#2)
Operator : HAV
Sample : L0510264-01 RE
Misc : 7,1,RE soil
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 19 07:44:38 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Oct 19 07:35:14 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(9) Silvex

13.65min 6.028ug/L

response 14088941

(9) Silvex #2

14.49min 7.784ug/L

response 20425686

(+) = Expected Retention Time

Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\101705\
Data File : 15G3463.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Oct 2005 10:35 (#1); 17 Oct 2005 11:01 (#2)
Operator : ECL
Sample : L0510264-02
Misc : 7,1 SOIL
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 17 12:55:13 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Sep 21 08:45:04 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
2) S	2,4-Dichlorophen	11.99	12.88	79228428	90043818	217.992	184.057	
	Spiked Amount 500.000				Recovery =	43.60%	36.81%	
	Target Compounds							
1)	Dalapon	0.00	0.00	0	0	N.D.	N.D.	
3)	MCPA	12.51f	0.00	7285124	0	4.649	N.D.	#
4)	Dicamba	0.00	0.00	0	0	N.D.	N.D.	
5)	MCPP	12.34	13.13	4978768	5196472	4.910	3.480	#
6)	Dichloroprop	0.00	0.00	0	0	N.D.	N.D.	
7)	2,4-D	0.00	0.00	0	0	N.D.	N.D.	
8)	Pentachlorophenol	13.21	14.21f	53556988	30793403	7.791	3.938	#
9)	Silvex	13.64f	0.00	3144316	0	1.345	N.D.	#
10)	2,4,5-T	0.00	14.68f	0	15043707	N.D.	6.276	#
11)	Dinoseb	0.00	15.23	0	16012742	N.D.	10.998	#
12)	2,4-DB	0.00	0.00	0	0	N.D.	N.D.	

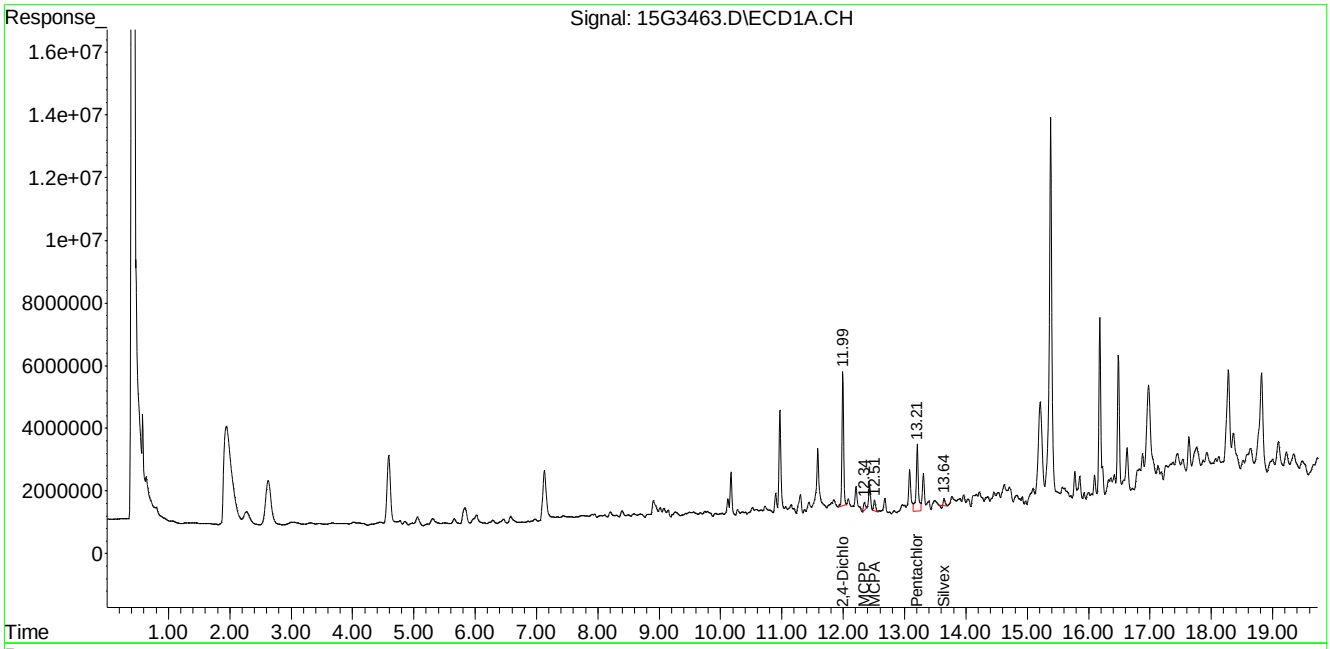
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

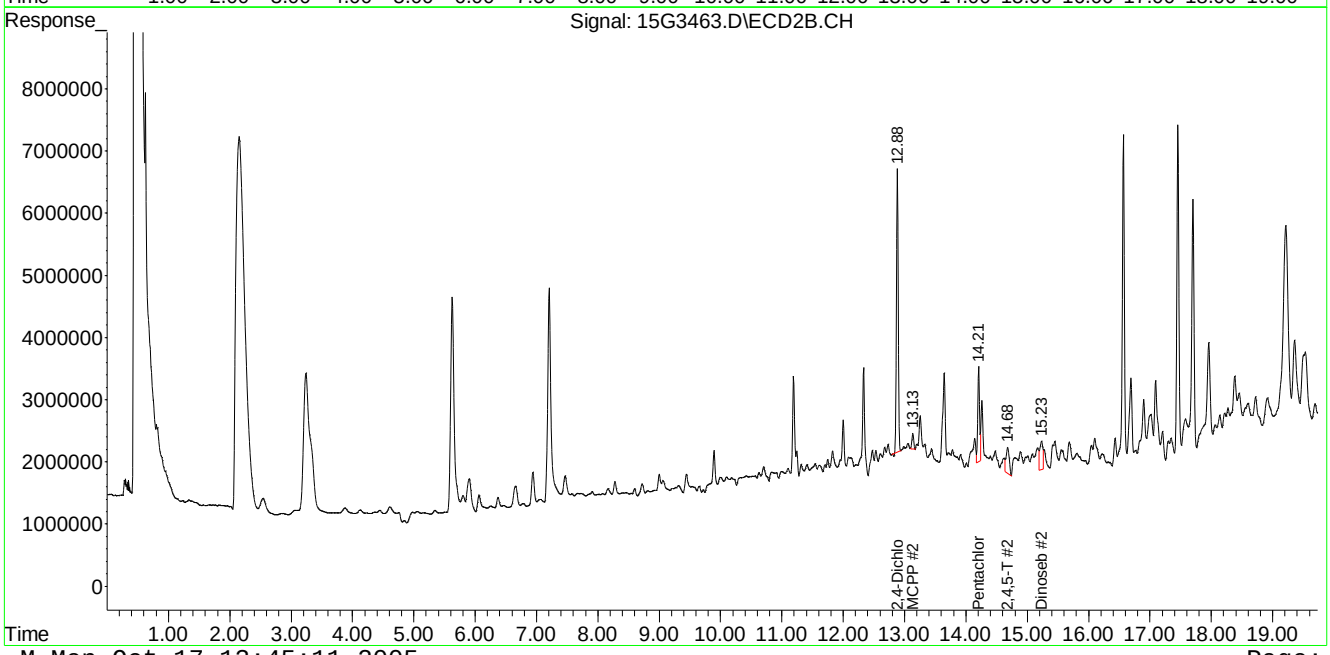
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\101705\
Data File : 15G3463.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Oct 2005 10:35 (#1); 17 Oct 2005 11:01 (#2)
Operator : ECL
Sample : L0510264-02
Misc : 7,1 SOIL
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 17 12:55:13 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Sep 21 08:45:04 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



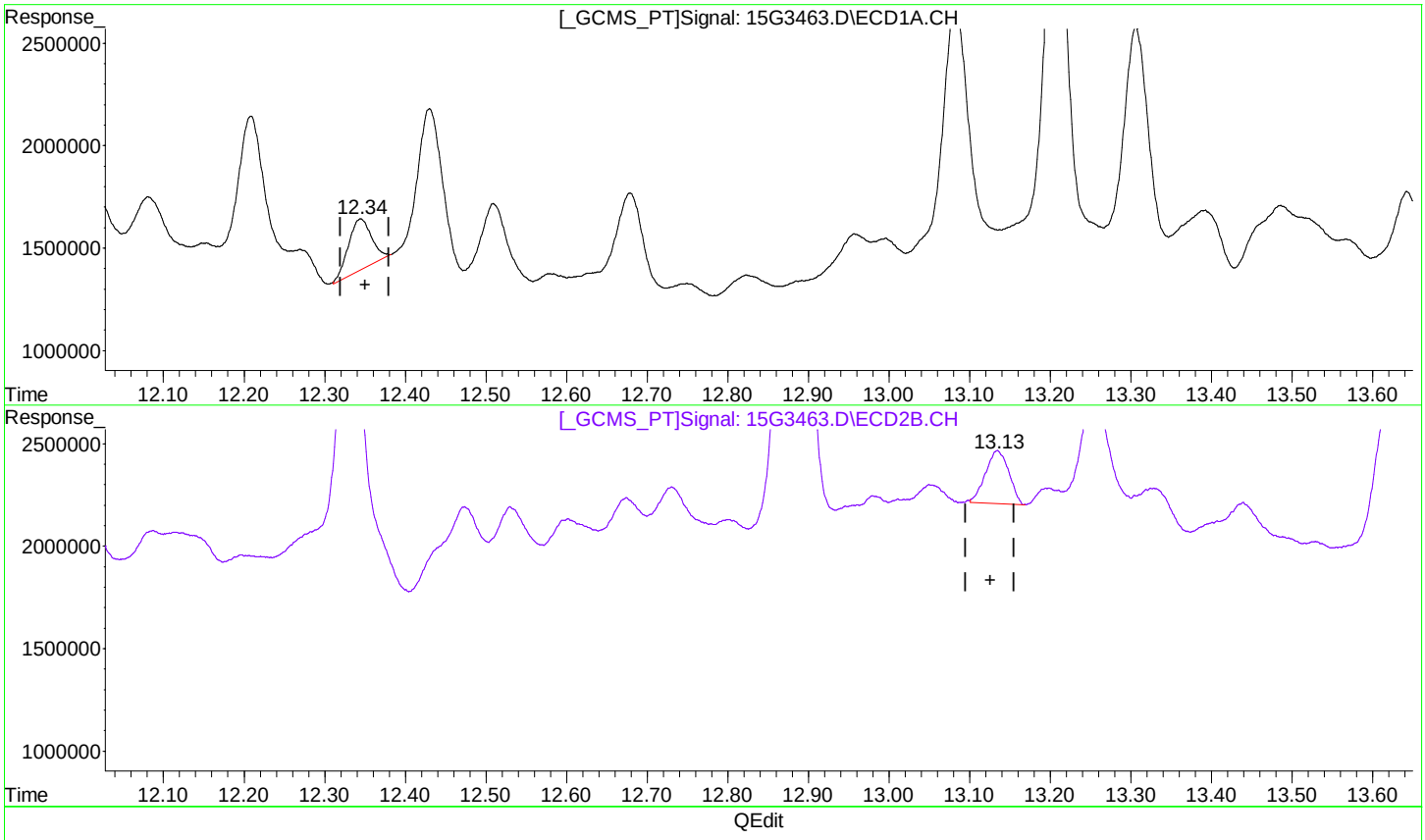


Quantitation Report (Qedit)

Data Path : C:\MSDChem\1\DATA\101705\
Data File : 15G3463.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Oct 2005 10:35 (#1); 17 Oct 2005 11:01 (#2)
Operator : ECL
Sample : L0510264-02
Misc : 7,1 SOIL
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 17 12:55:13 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Sep 21 08:45:04 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(5) MCPP

12.34min 4.910mg/l

response 4978768

(5) MCPP #2

13.13min 3.480mg/l

response 5196472

(+) = Expected Retention Time

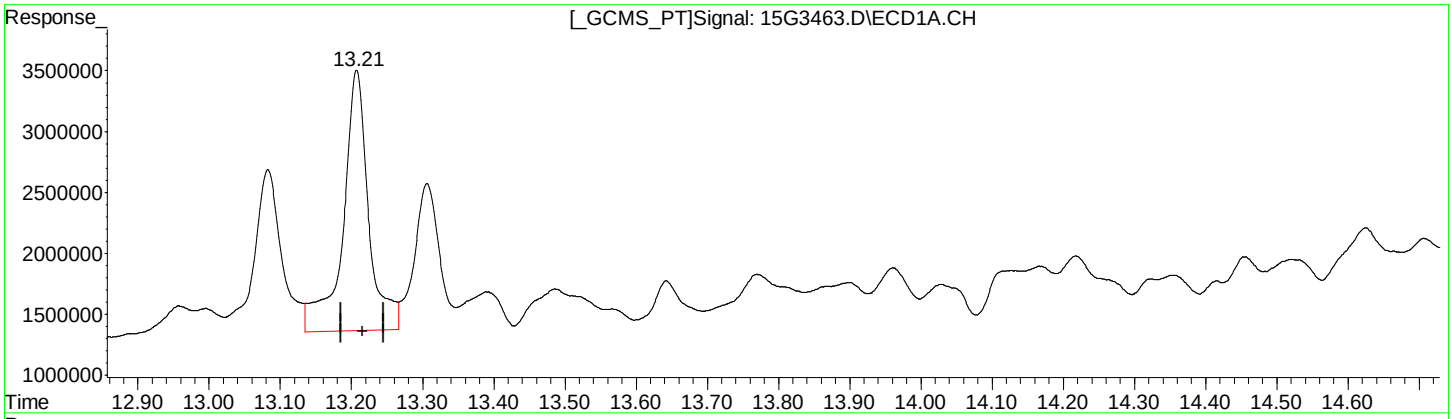
8151.M Mon Oct 17 13:49:31 2005 Page: 1

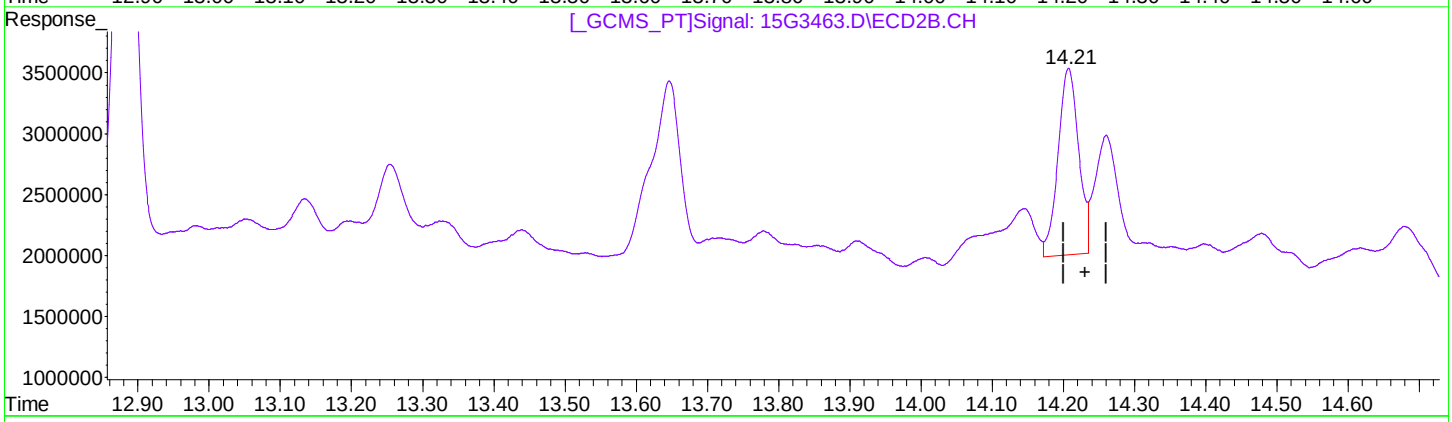
Quantitation Report (Qedit)

Data Path : C:\MSDChem\1\DATA\101705\
Data File : 15G3463.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Oct 2005 10:35 (#1); 17 Oct 2005 11:01 (#2)
Operator : ECL
Sample : L0510264-02
Misc : 7,1 SOIL
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 17 12:55:13 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Sep 21 08:45:04 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(8) Pentachlorophenol

13.21min 7.791UG/L

response 53556988

(8) Pentachlorophenol #2

14.21min 3.938UG/L

response 30793403

(+) = Expected Retention Time

8151.M Mon Oct 17 13:49:42 2005 Page: 1

Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\101805\
Data File : 15G3476.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Oct 2005 19:34 (#1); 18 Oct 2005 20:01 (#2)
Operator : HAV
Sample : L0510264-02 RE
Misc : 7,1,RE soil
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 19 07:44:45 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Oct 19 07:35:14 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
2) S	2,4-Dichlorophen	12.00	12.89	85278768	124.9E6	234.639	255.394
	Spiked Amount 500.000			Recovery	=	46.93%	51.08%
	Target Compounds						
1)	Dalapon	0.00	0.00	0	0	N.D.	N.D.
3)	MCPA	12.51f	13.33f	6831652	20285560	4.360	9.103 #
4)	Dicamba	0.00	0.00	0	0	N.D.	N.D.
5)	MCPP	12.35	13.15	4626808	16236906	4.563	10.873 #
6)	Dichloroprop	0.00	13.66f	0	52260921	N.D.	106.614 #
7)	2,4-D	0.00	0.00	0	0	N.D.	N.D.
8)	Pentachlorophenol	13.21	14.27f	50948730	12883174	7.412	1.648 #
9)	Silvex	13.65f	14.46	21770871	13407841	9.315	5.109 #
10)	2,4,5-T	0.00	14.69f	0	28507390	N.D.	11.892 #
11)	Dinoseb	0.00	15.22f	0	21612790	N.D.	14.845 #
12)	2,4-DB	0.00	0.00	0	0	N.D.	N.D.

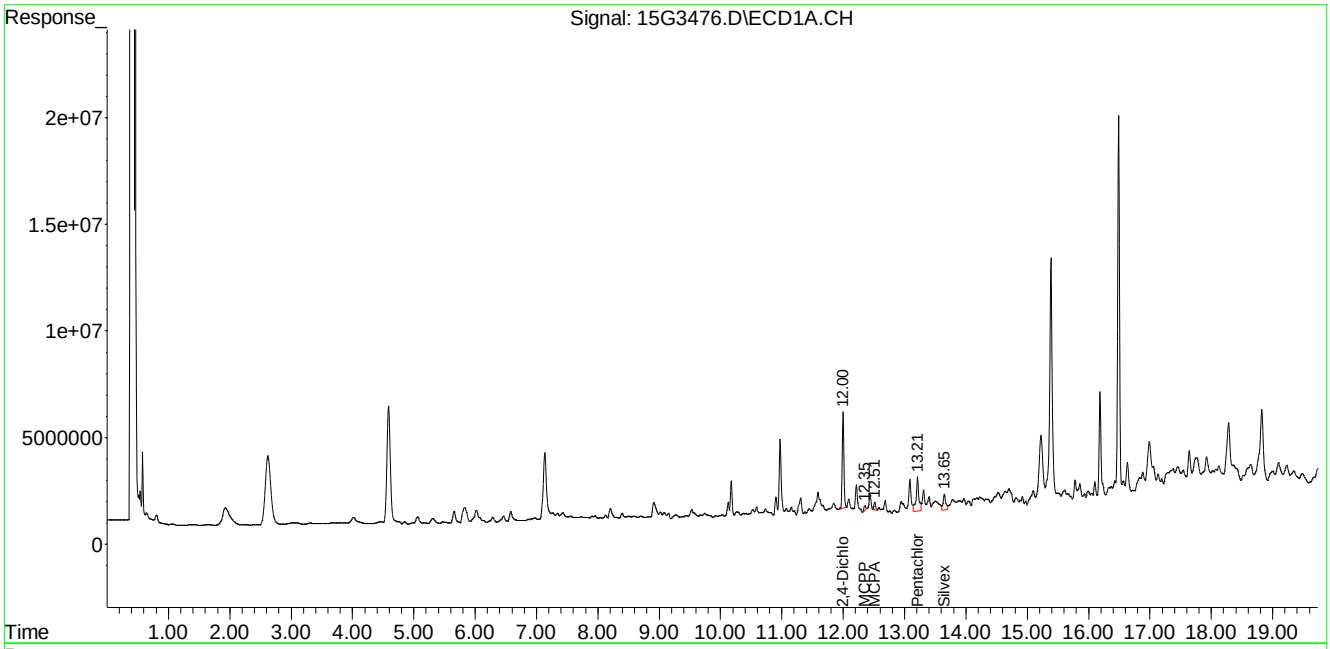
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

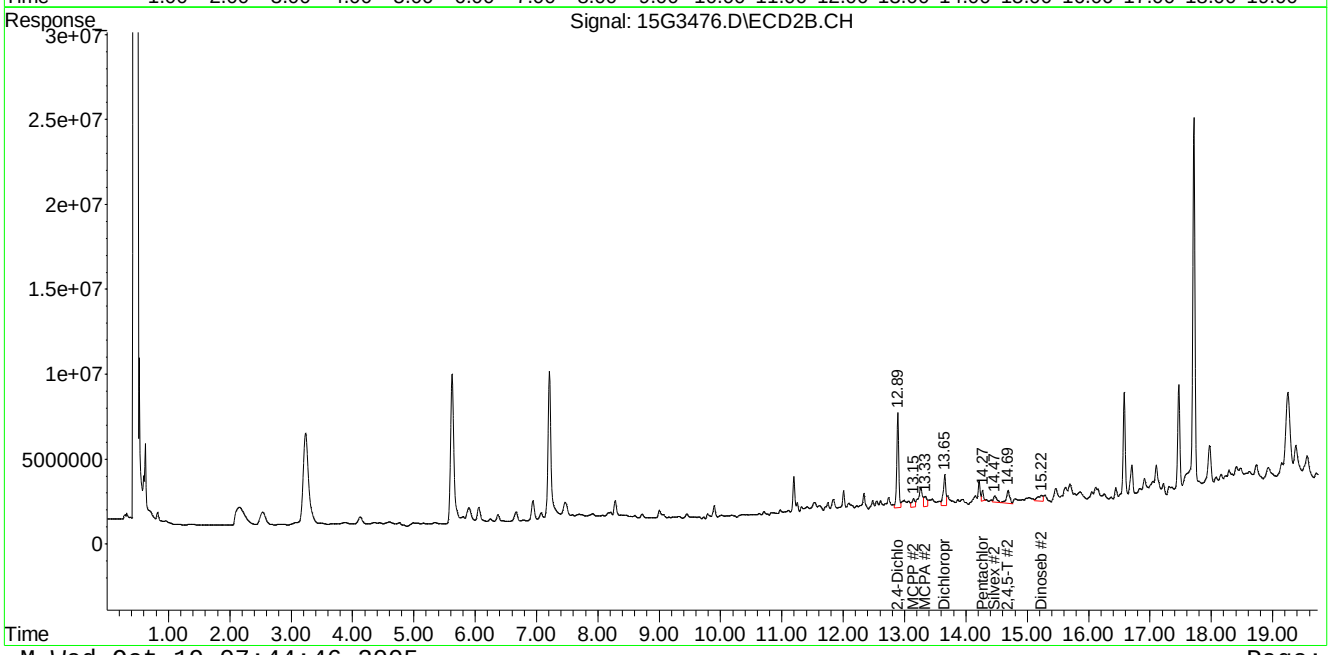
Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\101805\
Data File : 15G3476.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Oct 2005 19:34 (#1); 18 Oct 2005 20:01 (#2)
Operator : HAV
Sample : L0510264-02 RE
Misc : 7,1,RE soil
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 19 07:44:45 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Oct 19 07:35:14 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



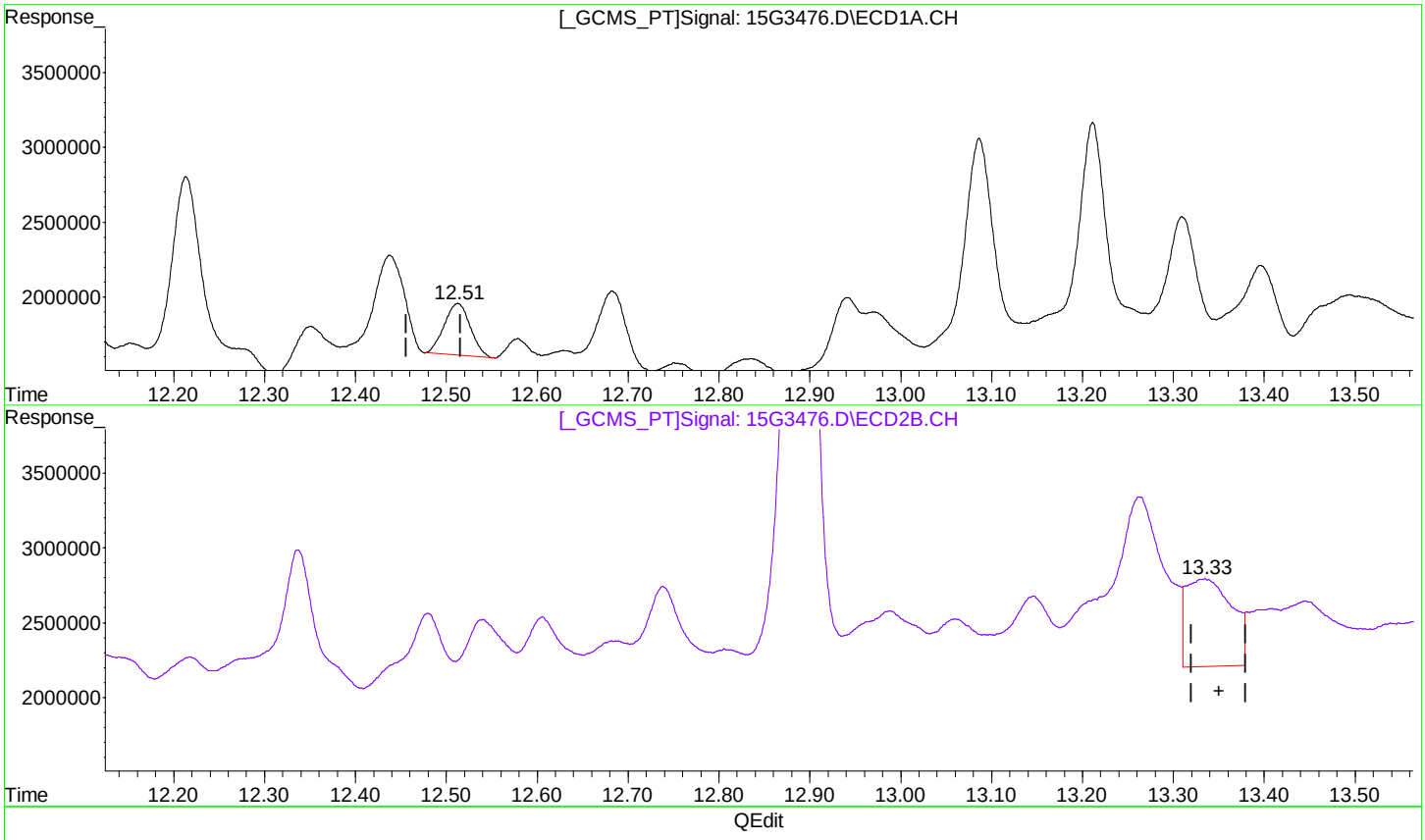


Quantitation Report (Qedit)

Data Path : C:\MSDChem\1\DATA\101805\
Data File : 15G3476.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Oct 2005 19:34 (#1); 18 Oct 2005 20:01 (#2)
Operator : HAV
Sample : L0510264-02 RE
Misc : 7,1,RE soil
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 19 07:44:45 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Oct 19 07:35:14 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) MCPA

12.51min 4.360mg/l

response 6831652

(3) MCPA #2

13.33min 9.103mg/l

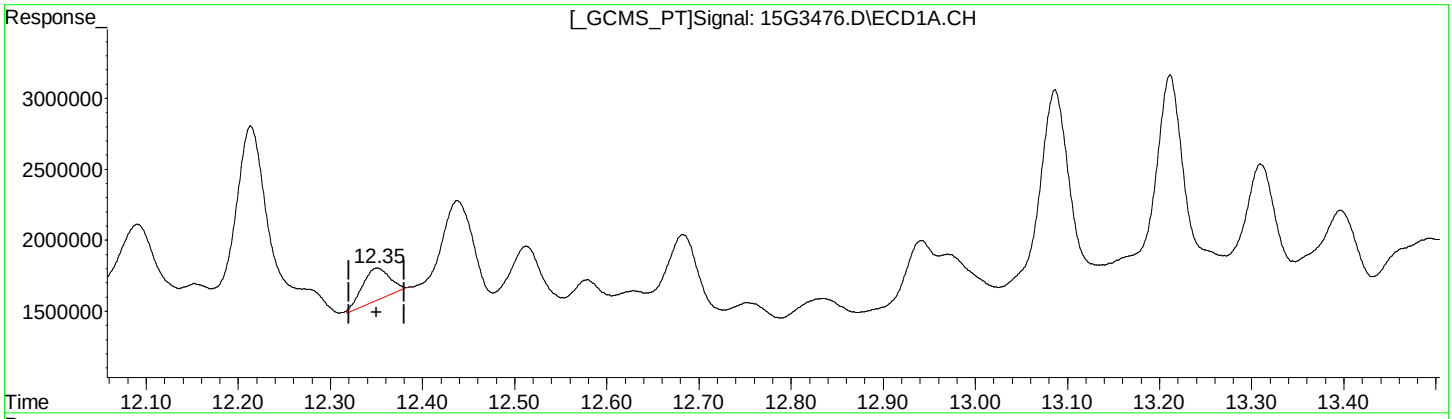
response 20285560

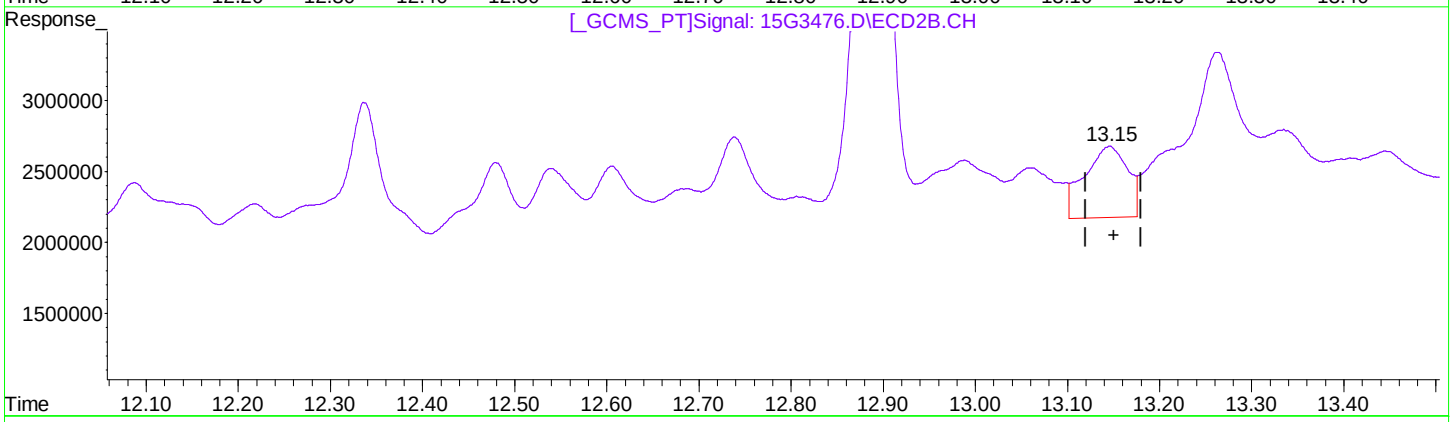
(+) = Expected Retention Time

8151.M Wed Oct 19 08:37:29 2005 Page: 1

Quantitation Report (Qedit)

```
Data Path : C:\MSDChem\1\DATA\101805\
Data File : 15G3476.D
Signal(s) : Signal #1: ECD1A.CH  Signal #2: ECD2B.CH
Acq On    : 18 Oct 2005  19:34 (#1); 18 Oct 2005  20:01 (#2)
Operator  : HAV
Sample    : L0510264-02 RE
Misc      : 7,1,RE soil
ALS Vial  : 7   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 19 07:44:45 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title  : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Oct 19 07:35:14 2005
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```





QEdit

(5) MCPP

12.35min 4.563mg/l

response 4626808

(5) MCPP #2

13.15min 10.873mg/l

response 16236906

(+) = Expected Retention Time

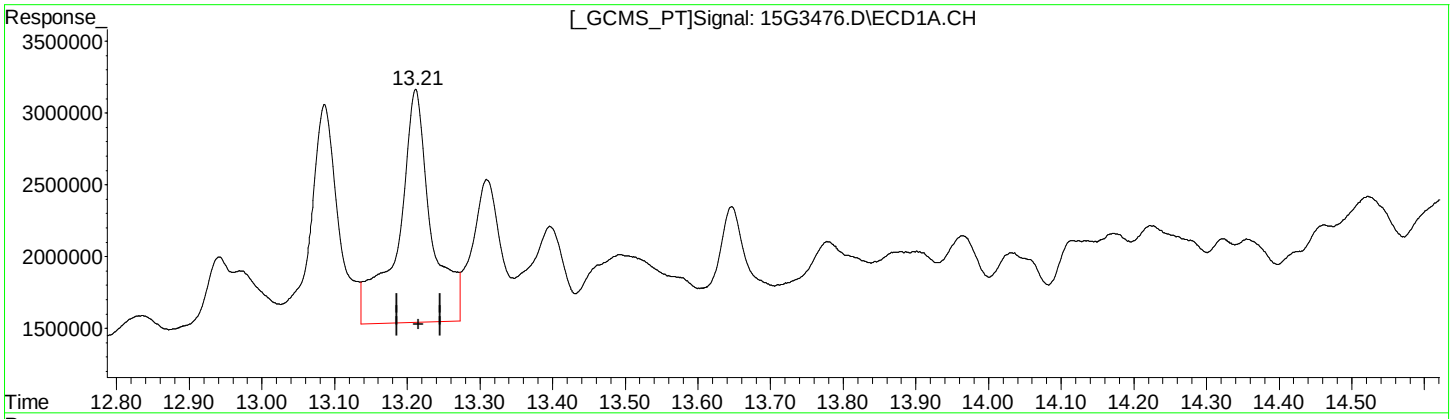
8151.M Wed Oct 19 08:37:46 2005 Page: 1

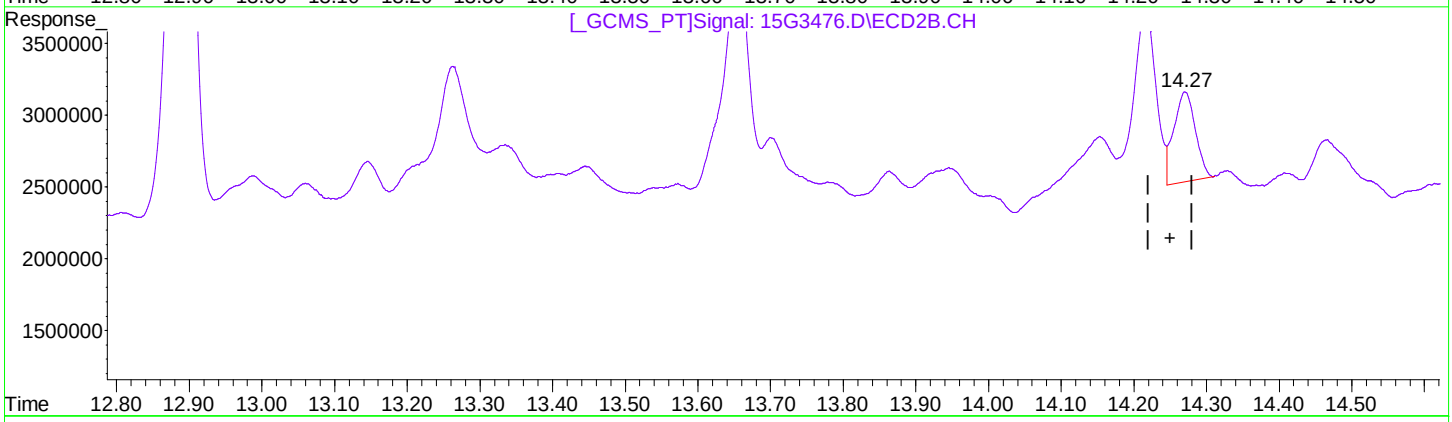
Quantitation Report (Qedit)

Data Path : C:\MSDChem\1\DATA\101805\
Data File : 15G3476.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Oct 2005 19:34 (#1); 18 Oct 2005 20:01 (#2)
Operator : HAV
Sample : L0510264-02 RE
Misc : 7,1,RE soil
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 19 07:44:45 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Oct 19 07:35:14 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(8) Pentachlorophenol

13.21min 7.412UG/L

response 50948730

(8) Pentachlorophenol #2

14.27min 1.648UG/L

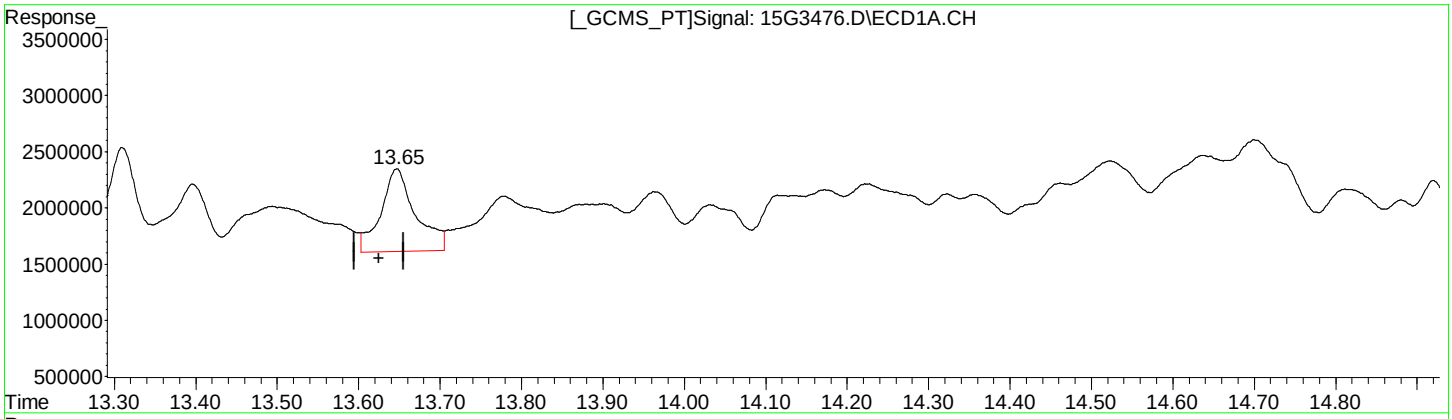
response 12883174

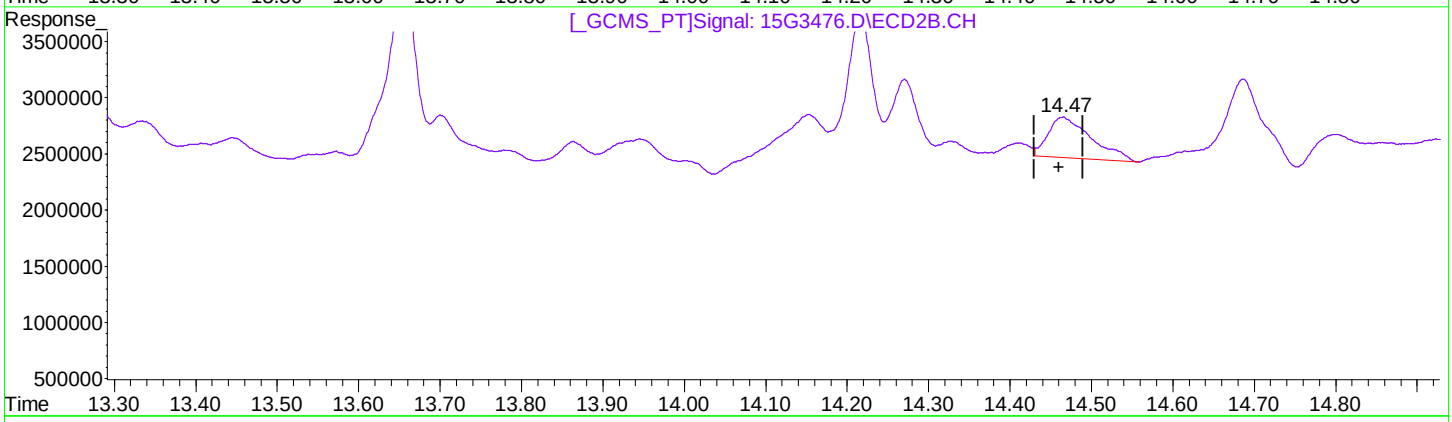
(+) = Expected Retention Time

8151.M Wed Oct 19 08:37:59 2005 Page: 1

Quantitation Report (Qedit)

```
Data Path : C:\MSDChem\1\DATA\101805\
Data File : 15G3476.D
Signal(s) : Signal #1: ECD1A.CH  Signal #2: ECD2B.CH
Acq On    : 18 Oct 2005  19:34 (#1); 18 Oct 2005  20:01 (#2)
Operator  : HAV
Sample    : L0510264-02 RE
Misc      : 7,1,RE soil
ALS Vial  : 7   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 19 07:44:45 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title  : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Oct 19 07:35:14 2005
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```





QEdit

(9) Silvex

13.65min 9.315ug/L

response 21770871

(9) Silvex #2

14.46min 5.109ug/L

response 13407841

(+) = Expected Retention Time

8151.M Wed Oct 19 08:38:11 2005 Page: 1

Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\101705\
Data File : 15G3464.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Oct 2005 11:01 (#1); 17 Oct 2005 11:28 (#2)
Operator : ECL
Sample : L0510264-03
Misc : 7,1 SOIL
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 17 12:55:22 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Sep 21 08:45:04 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
2) S	2,4-Dichlorophen	11.99	12.88	69909024	77564749	192.350	158.549
	Spiked Amount 500.000			Recovery	=	38.47%	31.71%
	Target Compounds						
1)	Dalapon	0.00	0.00	0	0	N.D.	N.D.
3)	MCPA	0.00	0.00	0	0	N.D.	N.D.
4)	Dicamba	0.00	0.00	0	0	N.D.	N.D.
5)	MCPP	0.00	0.00	0	0	N.D.	N.D.
6)	Dichloroprop	0.00	0.00	0	0	N.D.	N.D.
7)	2,4-D	0.00	0.00	0	0	N.D.	N.D.
8)	Pentachlorophenol	0.00	0.00	0	0	N.D.	N.D.
9)	Silvex	0.00	0.00	0	0	N.D.	N.D.
10)	2,4,5-T	0.00	0.00	0	0	N.D.	N.D.
11)	Dinoseb	0.00	0.00	0	0	N.D.	N.D.
12)	2,4-DB	0.00	0.00	0	0	N.D.	N.D.

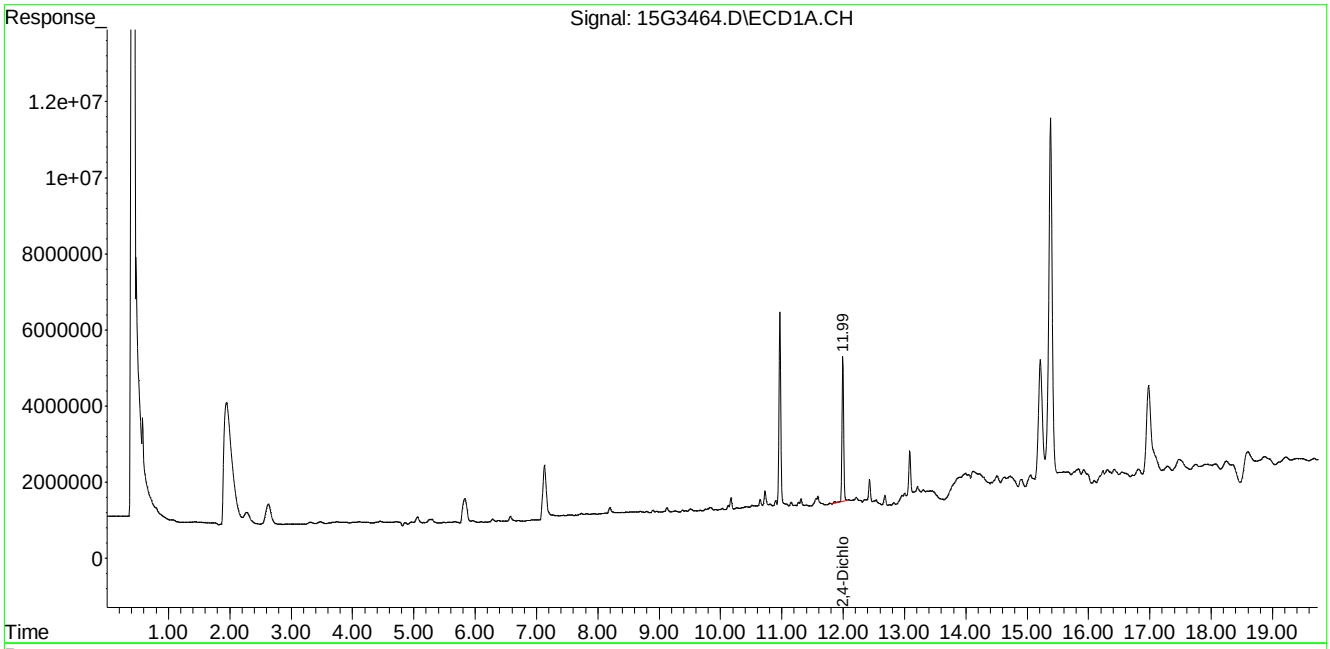
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

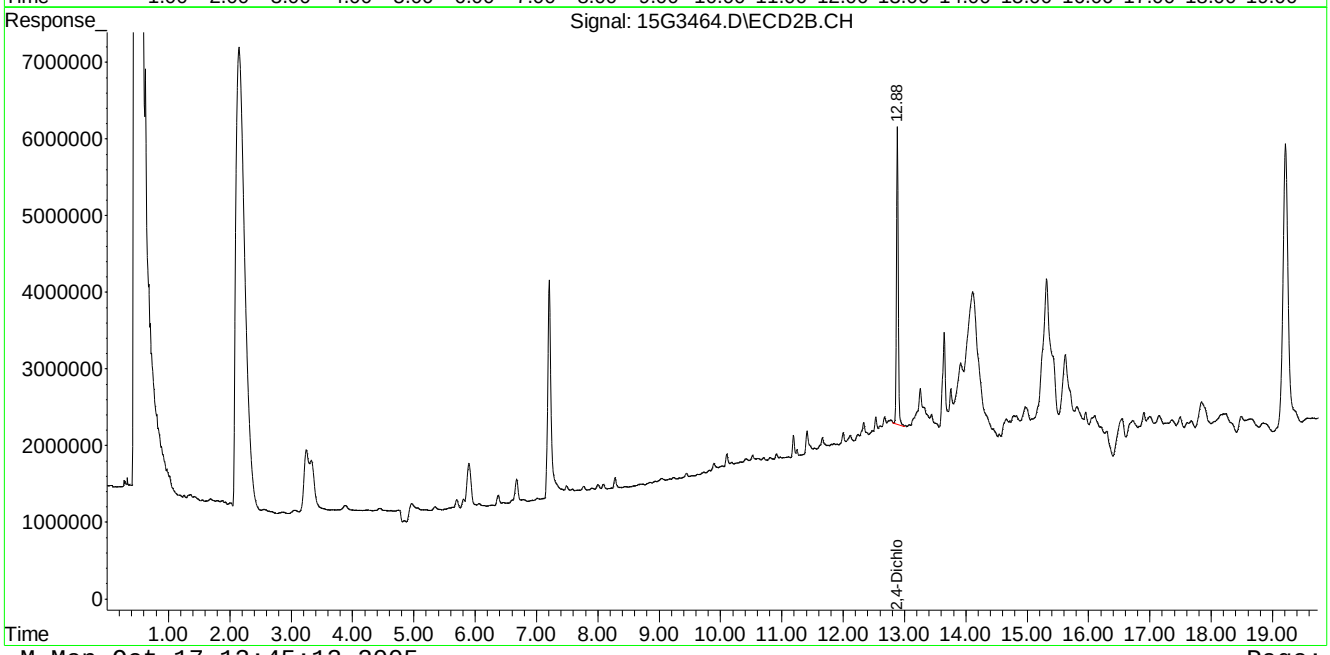
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\101705\
Data File : 15G3464.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Oct 2005 11:01 (#1); 17 Oct 2005 11:28 (#2)
Operator : ECL
Sample : L0510264-03
Misc : 7,1 SOIL
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 17 12:55:22 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Sep 21 08:45:04 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\101805\
Data File : 15G3477.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Oct 2005 20:01 (#1); 18 Oct 2005 20:27 (#2)
Operator : HAV
Sample : L0510264-03 RE
Misc : 7,1,RE soil
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 19 07:44:54 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Oct 19 07:35:14 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
2) S	2,4-Dichlorophen	12.00	12.89	52997939	71194982	145.820	145.528	
	Spiked Amount 500.000				Recovery =	29.16%	29.11%	
	Target Compounds							
1)	Dalapon	0.00	0.00	0	0	N.D.	N.D.	
3)	MCPA	0.00	13.33f	0	10297144	N.D.	4.621	#
4)	Dicamba	0.00	0.00	0	0	N.D.	N.D.	
5)	MCPP	0.00	0.00	0	0	N.D.	N.D.	
6)	Dichloroprop	0.00	13.65f	0	41432559	N.D.	84.524	#
7)	2,4-D	0.00	0.00	0	0	N.D.	N.D.	
8)	Pentachlorophenol	13.21	0.00	4904155	0	0.713	N.D.	#
9)	Silvex	0.00	0.00	0	0	N.D.	N.D.	
10)	2,4,5-T	0.00	0.00	0	0	N.D.	N.D.	
11)	Dinoseb	0.00	15.25	0	32836225	N.D.	22.553	#
12)	2,4-DB	0.00	15.02	0	56491411	N.D.	161.682	#

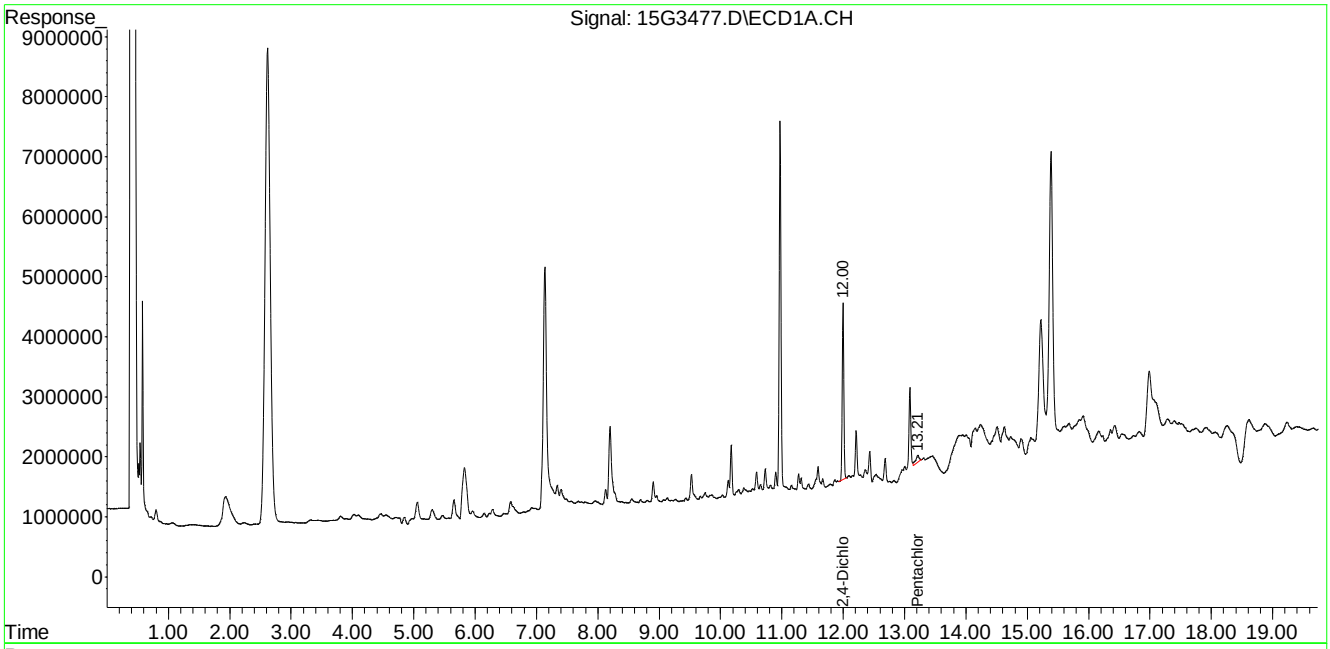
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

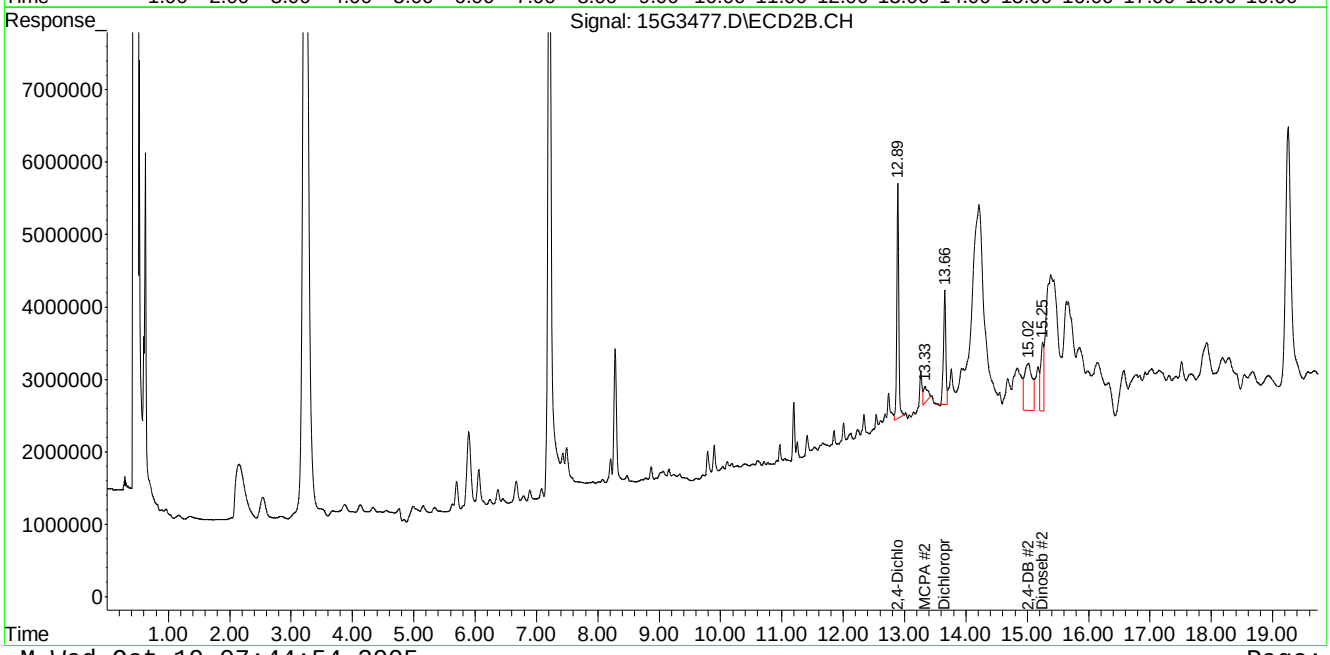
Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\101805\
Data File : 15G3477.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Oct 2005 20:01 (#1); 18 Oct 2005 20:27 (#2)
Operator : HAV
Sample : L0510264-03 RE
Misc : 7,1,RE soil
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 19 07:44:54 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Oct 19 07:35:14 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\101705\
Data File : 15G3465.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Oct 2005 11:28 (#1); 17 Oct 2005 11:55 (#2)
Operator : ECL
Sample : L0510264-04
Misc : 7,1 SOIL
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 17 12:55:29 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Sep 21 08:45:04 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
2) S	2,4-Dichlorophen	11.99	12.88	66025844	68964048	181.666	140.968	
	Spiked Amount 500.000			Recovery	=	36.33%	28.19%	
	Target Compounds							
1)	Dalapon	0.00	0.00	0	0	N.D.	N.D.	
3)	MCPA	0.00	0.00	0	0	N.D.	N.D.	
4)	Dicamba	0.00	0.00	0	0	N.D.	N.D.	
5)	MCPP	12.35	0.00	3322880	0	3.277	N.D.	#
6)	Dichloroprop	12.83f	0.00	7463608	0	19.347	N.D.	#
7)	2,4-D	0.00	0.00	0	0	N.D.	N.D.	
8)	Pentachlorophenol	13.21	0.00	4683368	0	0.681	N.D.	#
9)	Silvex	13.64f	0.00	4013208	0	1.717	N.D.	#
10)	2,4,5-T	0.00	14.68	0	18693417	N.D.	7.798	#
11)	Dinoseb	0.00	0.00	0	0	N.D.	N.D.	
12)	2,4-DB	0.00	0.00	0	0	N.D.	N.D.	

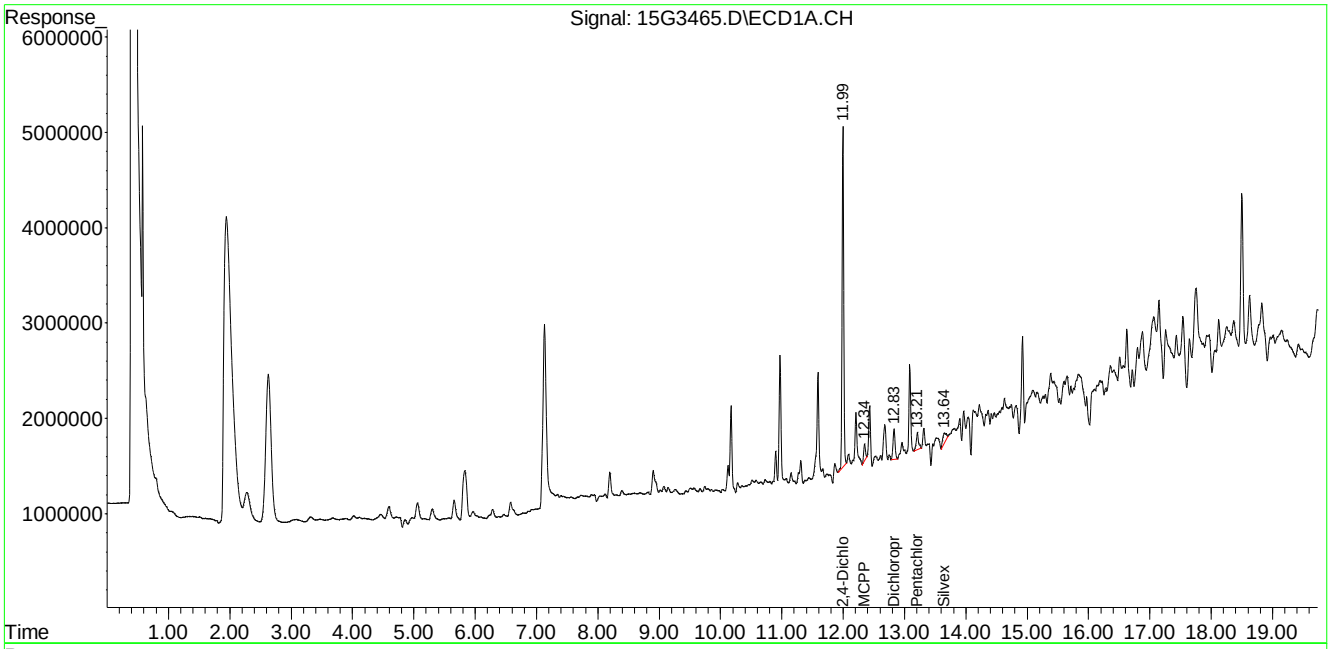
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

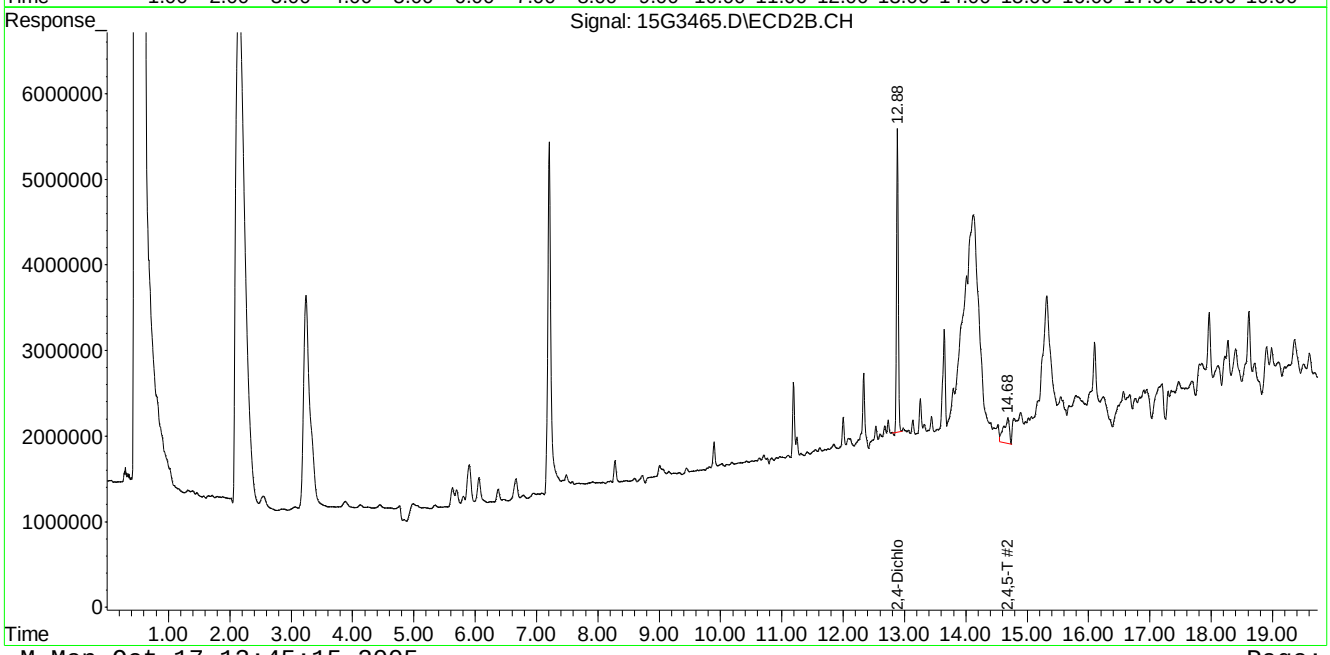
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\101705\
Data File : 15G3465.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Oct 2005 11:28 (#1); 17 Oct 2005 11:55 (#2)
Operator : ECL
Sample : L0510264-04
Misc : 7,1 SOIL
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 17 12:55:29 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Sep 21 08:45:04 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\101805\
Data File : 15G3478.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Oct 2005 20:27 (#1); 18 Oct 2005 20:54 (#2)
Operator : HAV
Sample : L0510264-04 RE
Misc : 7,1,RE soil
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 19 07:45:01 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Oct 19 07:35:14 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
2) S	2,4-Dichlorophen	12.00	12.89	133.1E6	178.4E6	366.104	364.691	
	Spiked Amount 500.000				Recovery =	73.22%	72.94%	
	Target Compounds							
1)	Dalapon	0.00	0.00	0	0	N.D.	N.D.	
3)	MCPA	0.00	0.00	0	0	N.D.	N.D.	
4)	Dicamba	0.00	0.00	0	0	N.D.	N.D.	
5)	MCPP	12.35	13.14	7618868	13560573	7.513	9.081	
6)	Dichloroprop	12.83f	13.66f	12215544	80386731	31.665	163.992	#
7)	2,4-D	0.00	13.87	0	16668633	N.D.	27.560	#
8)	Pentachlorophenol	13.21	0.00	17999805	0	2.618	N.D.	#
9)	Silvex	13.65f	0.00	21325976	0	9.124	N.D.	#
10)	2,4,5-T	13.81	0.00	24801914	0	11.409	N.D.	#
11)	Dinoseb	0.00	0.00	0	0	N.D.	N.D.	
12)	2,4-DB	0.00	0.00	0	0	N.D.	N.D.	

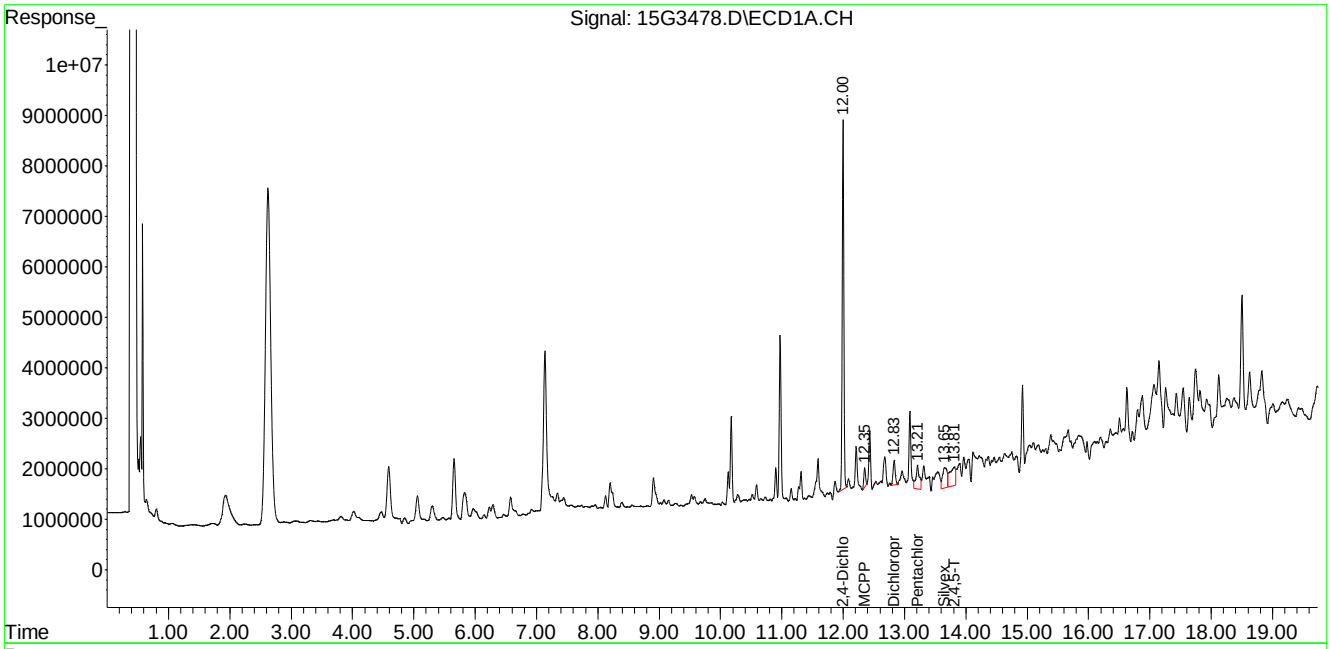
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

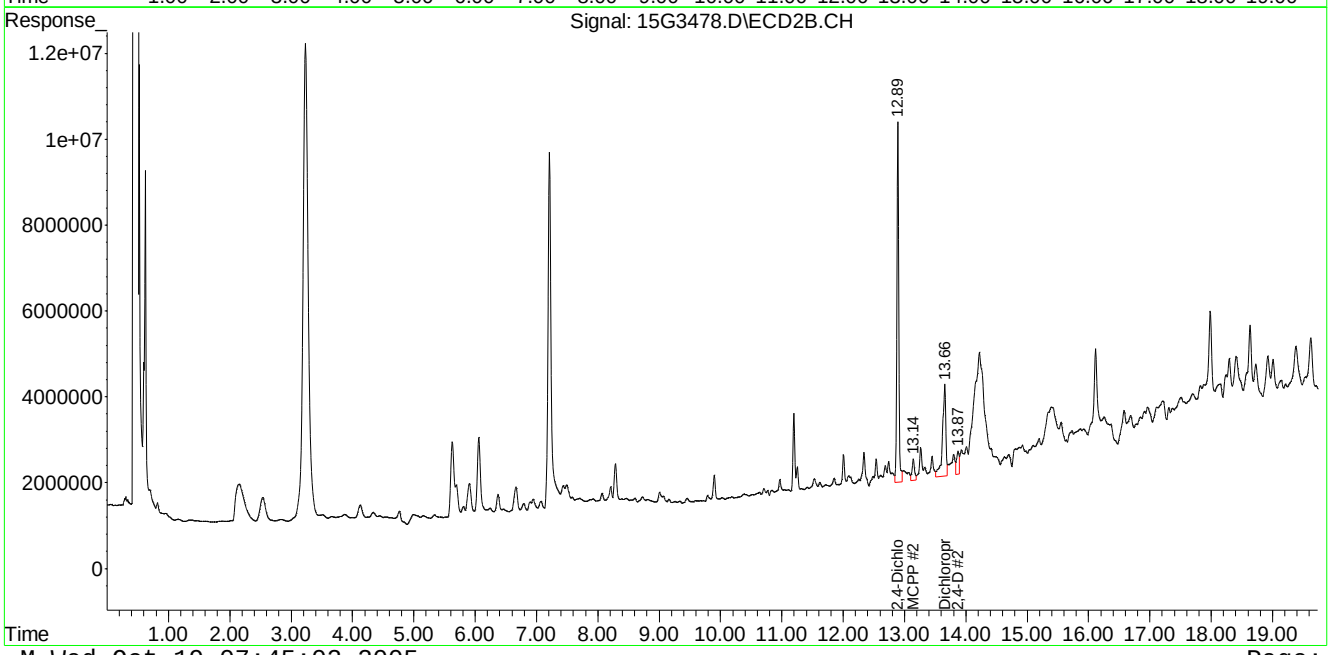
Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\101805\
Data File : 15G3478.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Oct 2005 20:27 (#1); 18 Oct 2005 20:54 (#2)
Operator : HAV
Sample : L0510264-04 RE
Misc : 7,1,RE soil
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 19 07:45:01 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Oct 19 07:35:14 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

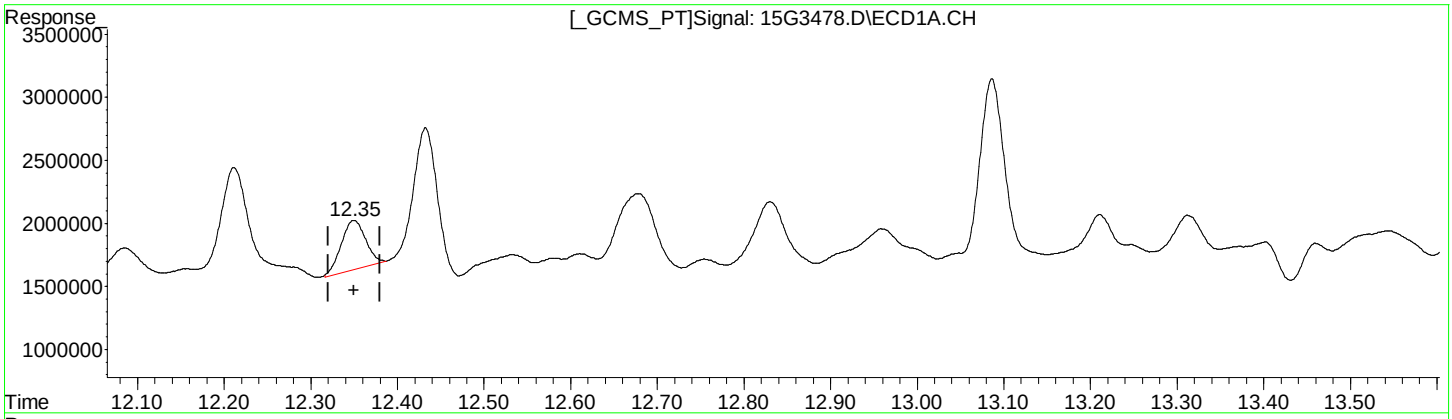
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

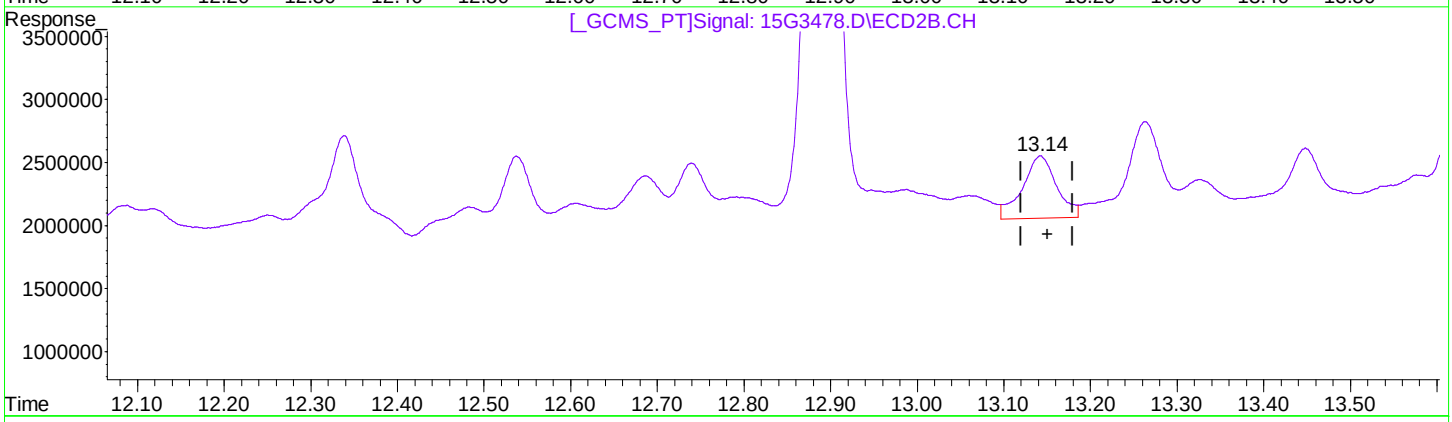




Quantitation Report (Qedit)

```
Data Path : C:\MSDChem\1\DATA\101805\
Data File : 15G3478.D
Signal(s) : Signal #1: ECD1A.CH  Signal #2: ECD2B.CH
Acq On    : 18 Oct 2005  20:27 (#1); 18 Oct 2005  20:54 (#2)
Operator  : HAV
Sample    : L0510264-04 RE
Misc      : 7,1,RE soil
ALS Vial  : 9   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 19 07:45:01 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title  : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Oct 19 07:35:14 2005
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```





QEdit

(5) MCPP

12.35min 7.513mg/l

response 7618868

(5) MCPP #2

13.14min 9.081mg/l

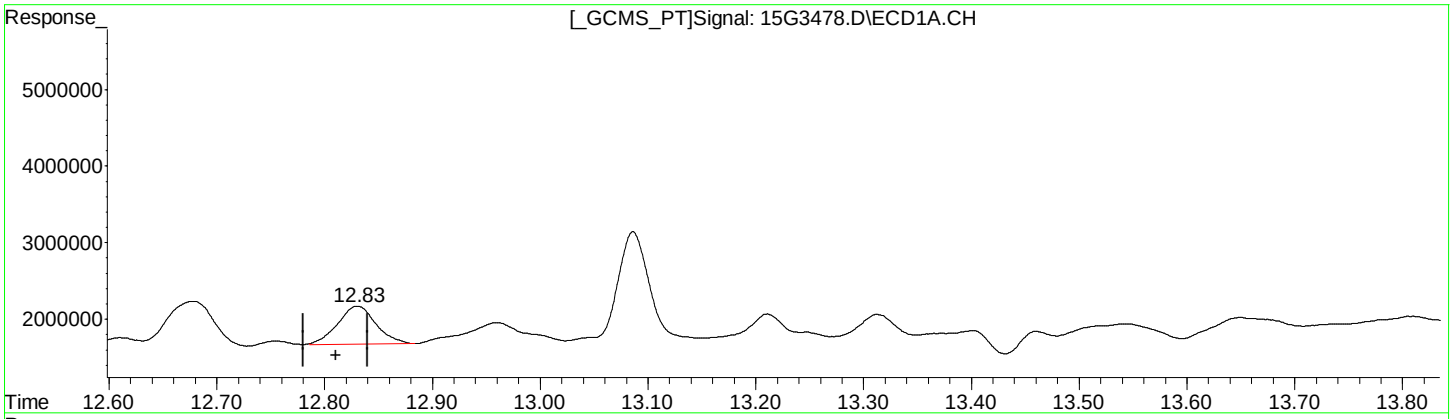
response 13560573

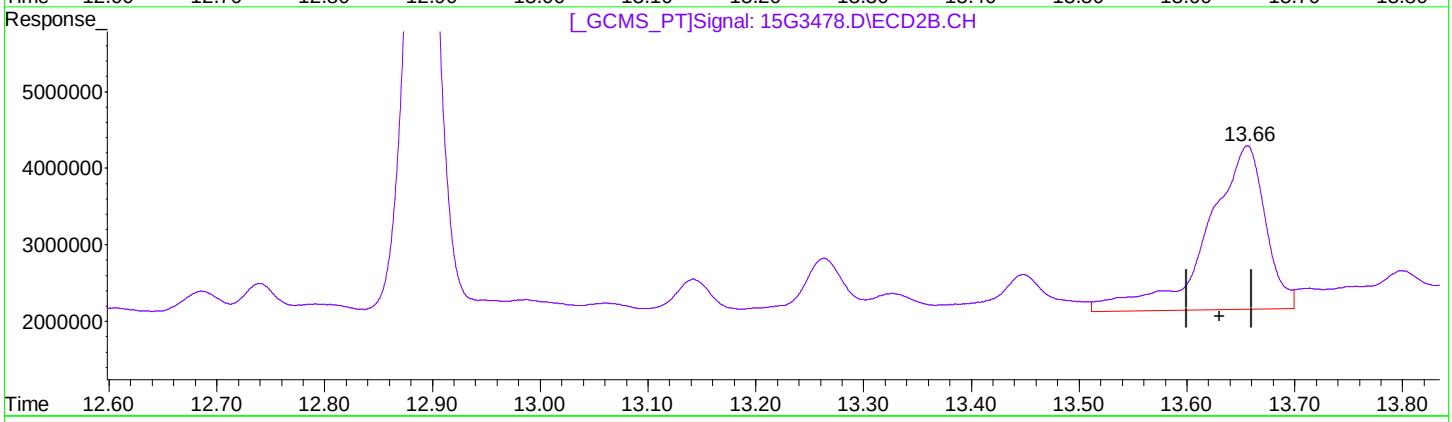
(+) = Expected Retention Time

8151.M Wed Oct 19 08:39:29 2005 Page: 1

Quantitation Report (Qedit)

```
Data Path : C:\MSDChem\1\DATA\101805\
Data File : 15G3478.D
Signal(s) : Signal #1: ECD1A.CH  Signal #2: ECD2B.CH
Acq On    : 18 Oct 2005  20:27 (#1); 18 Oct 2005  20:54 (#2)
Operator  : HAV
Sample    : L0510264-04 RE
Misc      : 7,1,RE soil
ALS Vial  : 9   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 19 07:45:01 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title  : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Oct 19 07:35:14 2005
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```





QEdit

(6) Dichloroprop

12.83min 31.665ug/L

response 12215544

(6) Dichloroprop #2

13.66min 163.992ug/L

response 80386731

(+) = Expected Retention Time

8151.M Wed Oct 19 08:39:45 2005 Page: 1

2.2.5.3 Standards Data

Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\092005\
Data File : 15G3178.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Sep 2005 13:36 (#1); 20 Sep 2005 14:03 (#2)
Operator : ECL
Sample : WG197059-01 HERB ICAL #5
Misc : 1,1 SOS75-11
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 21 08:45:45 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Sep 21 08:45:04 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
2) S	2,4-Dichlorophen	11.99	12.87	639.6E6	874.8E6	1759.906	1788.256
	Spiked Amount 500.000			Recovery =		351.98%	357.65%
	Target Compounds						
1)	Dalapon	4.15	4.78	1938.7E6	2724.5E6	4833.380	4634.360
3)	MCPA	12.49	13.33	267.6E6	386.7E6	170.780	173.513
4)	Dicamba	12.18	13.05	279.8E6	351.8E6	187.449	188.872
5)	MCPP	12.36	13.13	186.8E6	272.7E6	184.220	182.588
6)	Dichloroprop	12.81	13.61	678.3E6	901.4E6	1758.365	1838.877
7)	2,4-D	13.00	13.85	845.5E6	1121.2E6	1802.206	1853.835
8)	Pentachlorophenol	13.22	14.23	1380.5E6	1602.4E6	200.827	204.932
9)	Silvex	13.62	14.44	473.1E6	530.1E6	202.430	202.015
10)	2,4,5-T	13.82	14.70	433.7E6	481.9E6	199.529	201.036
11)	Dinoseb	14.88	15.23	1210.4E6	1435.2E6	974.987	985.774
12)	2,4-DB	14.17	15.01	538.9E6	704.6E6	1931.429	2016.738

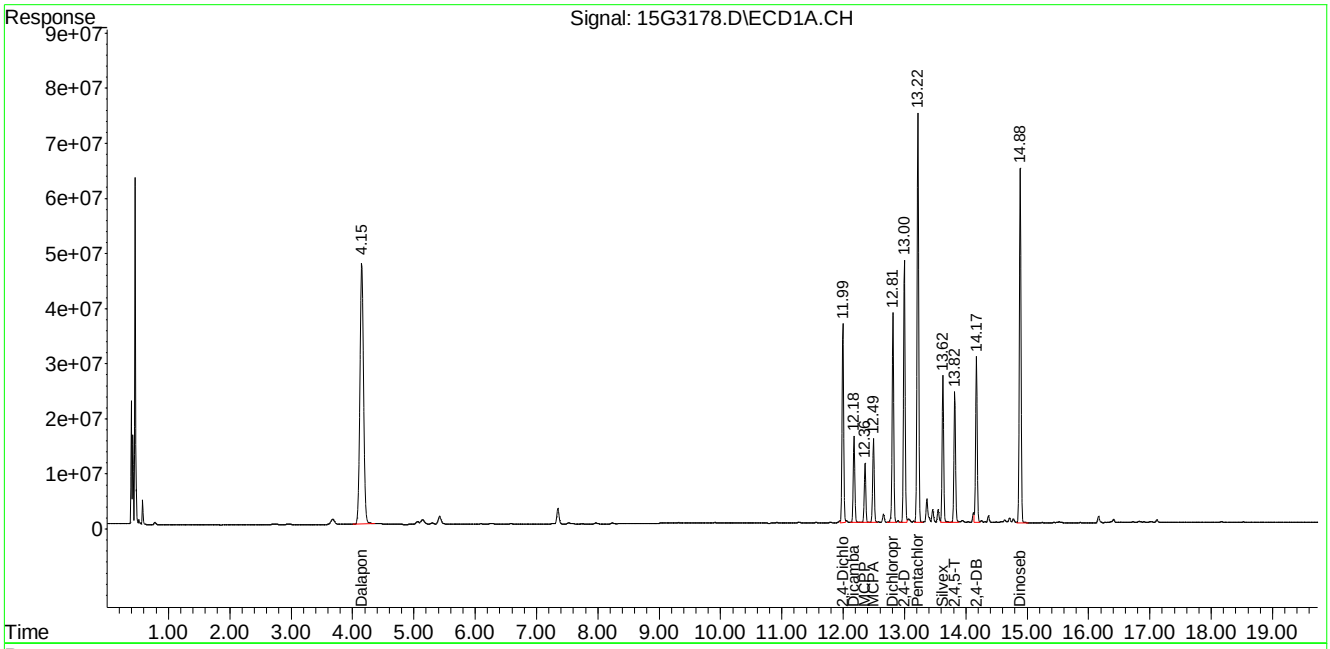
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

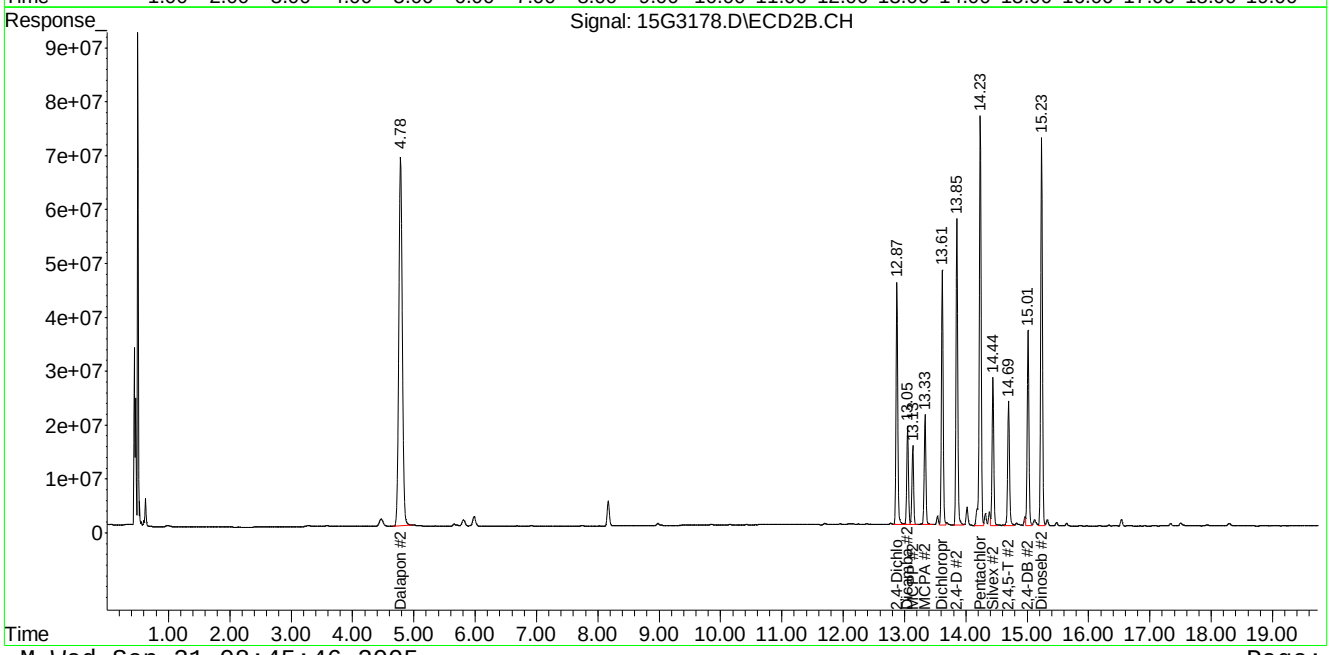
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\092005\
Data File : 15G3178.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Sep 2005 13:36 (#1); 20 Sep 2005 14:03 (#2)
Operator : ECL
Sample : WG197059-01 HERB ICAL #5
Misc : 1,1 SOS75-11
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 21 08:45:45 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Sep 21 08:45:04 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\092005\
Data File : 15G3179.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Sep 2005 14:03 (#1); 20 Sep 2005 14:29 (#2)
Operator : ECL
Sample : WG197059-02 HERB ICAL #4
Misc : 1,1 SOS75-11
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 21 08:45:47 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Sep 21 08:45:04 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
2) S	2,4-Dichlorophen	11.99	12.87	336.7E6	471.6E6	926.464	963.897
	Spiked Amount 500.000			Recovery =		185.29%	192.78%
	Target Compounds						
1)	Dalapon	4.15	4.79	965.5E6	1406.8E6	2407.180	2392.944
3)	MCPA	12.48	13.33	139.9E6	202.6E6	89.295	90.915
4)	Dicamba	12.17	13.05	145.5E6	184.5E6	97.493	99.033
5)	MCPP	12.35	13.13	95401988	142.5E6	94.076	95.428
6)	Dichloroprop	12.80	13.61	355.3E6	457.3E6	921.026	932.948
7)	2,4-D	12.99	13.85	438.6E6	580.5E6	934.950	959.807
8)	Pentachlorophenol	13.21	14.23	699.8E6	794.8E6	101.800	101.644
9)	Silvex	13.62	14.44	237.1E6	259.4E6	101.428	98.833
10)	2,4,5-T	13.81	14.69	216.8E6	235.4E6	99.714	98.202
11)	Dinoseb	14.88	15.23	607.4E6	717.3E6	489.281	492.651
12)	2,4-DB	14.17	15.01	269.1E6	338.3E6	964.554	968.126

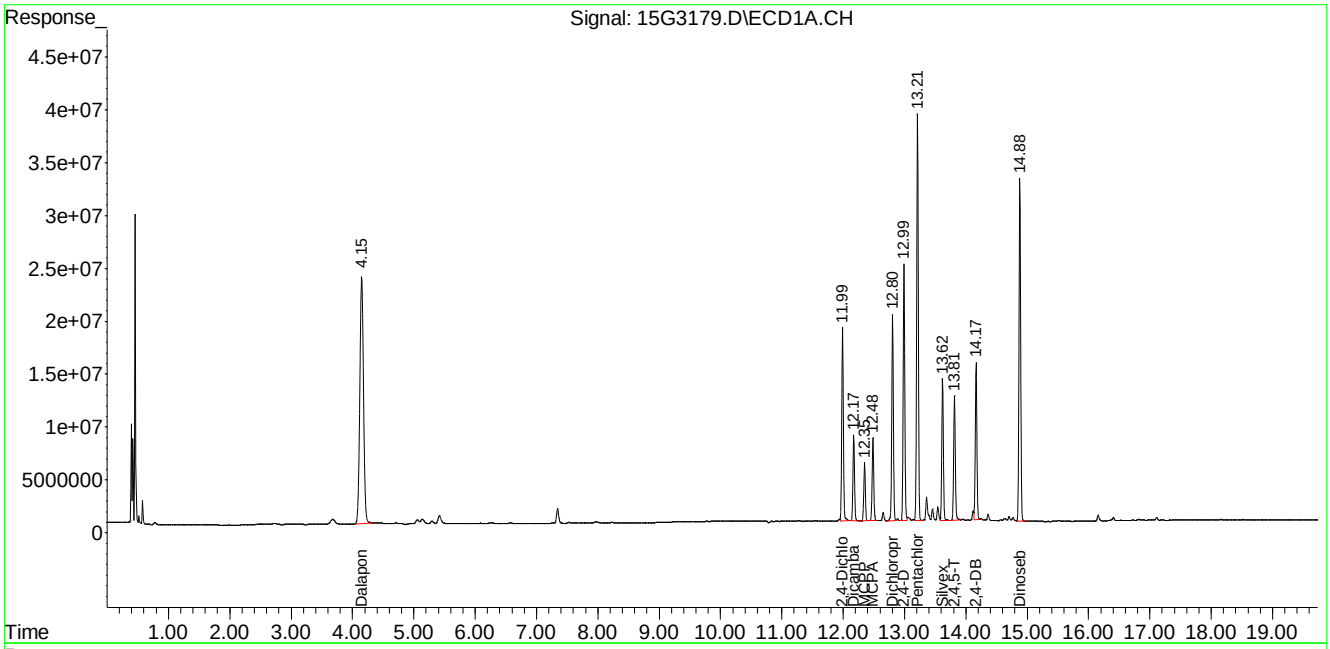
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

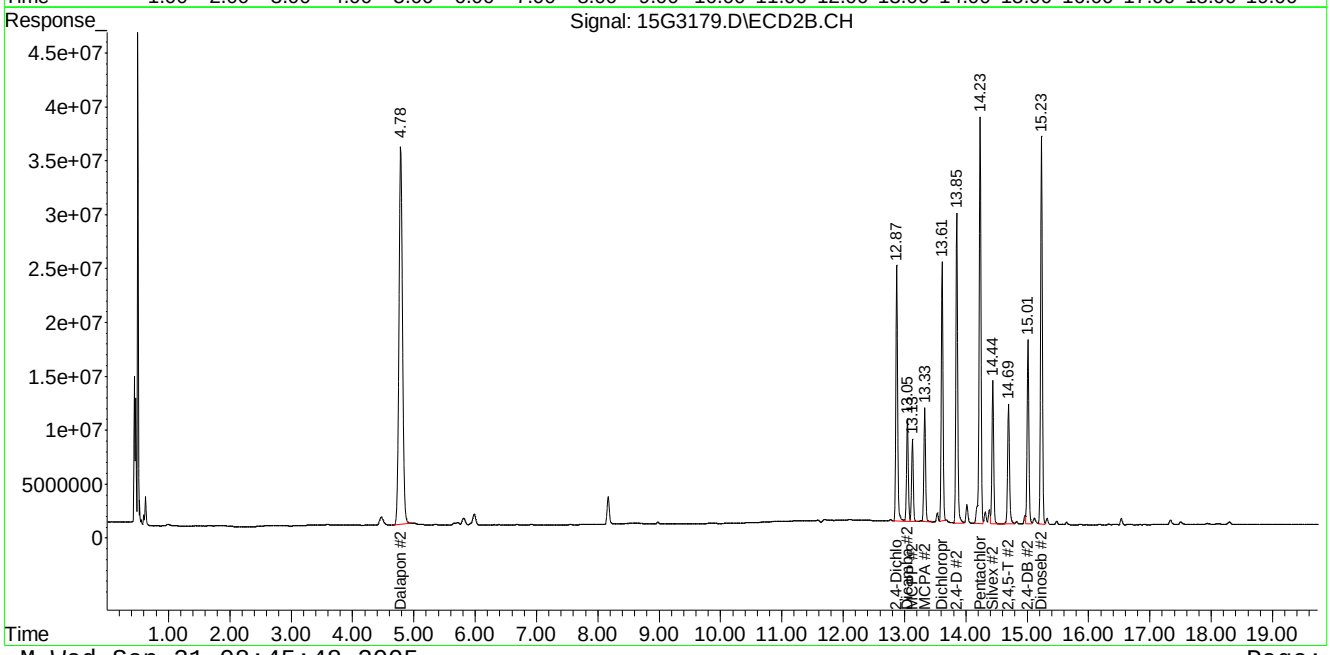
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\092005\
Data File : 15G3179.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Sep 2005 14:03 (#1); 20 Sep 2005 14:29 (#2)
Operator : ECL
Sample : WG197059-02 HERB ICAL #4
Misc : 1,1 SOS75-11
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 21 08:45:47 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Sep 21 08:45:04 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\092005\
Data File : 15G3180.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Sep 2005 14:29 (#1); 20 Sep 2005 14:56 (#2)
Operator : ECL
Sample : WG197059-03 HERB ICAL #3
Misc : 1,1 SOS75-11
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 21 08:45:49 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Sep 21 08:45:04 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
2) S	2,4-Dichlorophen	11.99	12.87	179.7E6	242.0E6	494.537	494.590
	Spiked Amount 500.000			Recovery =		98.91%	98.92%
	Target Compounds						
1)	Dalapon	4.15	4.79	490.1E6	719.3E6	1221.889	1223.607
3)	MCPA	12.48	13.33	74328830	104.3E6	47.433	46.819
4)	Dicamba	12.17	13.05	74909741	92498654	50.186	49.661
5)	MCPP	12.35	13.13	49759106	72633972	49.068	48.640
6)	Dichloroprop	12.81	13.61	189.2E6	241.3E6	490.467	492.227
7)	2,4-D	12.99	13.85	227.4E6	296.9E6	484.689	490.903
8)	Pentachlorophenol	13.21	14.23	348.9E6	388.6E6	50.750	49.701
9)	Silvex	13.62	14.44	117.2E6	129.4E6	50.124	49.293
10)	2,4,5-T	13.82	14.70	109.6E6	118.0E6	50.424	49.239
11)	Dinoseb	14.88	15.23	311.2E6	362.4E6	250.661	248.928
12)	2,4-DB	14.17	15.01	136.6E6	170.2E6	489.564	487.226

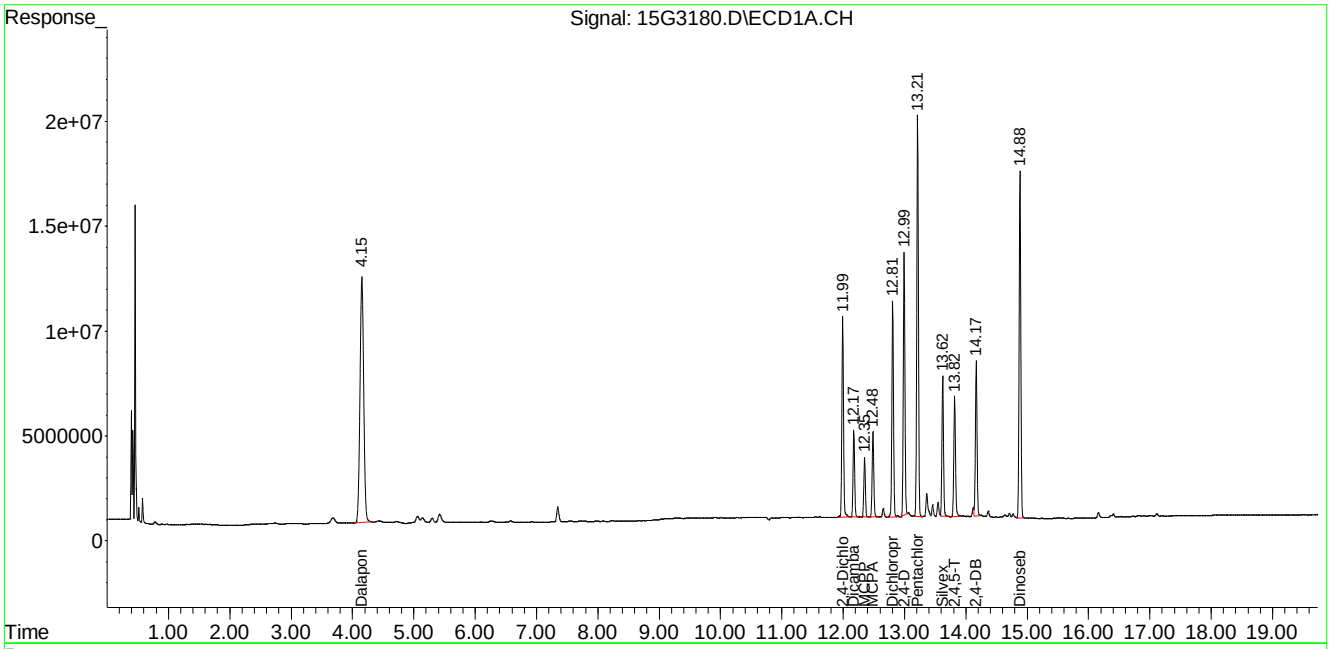
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

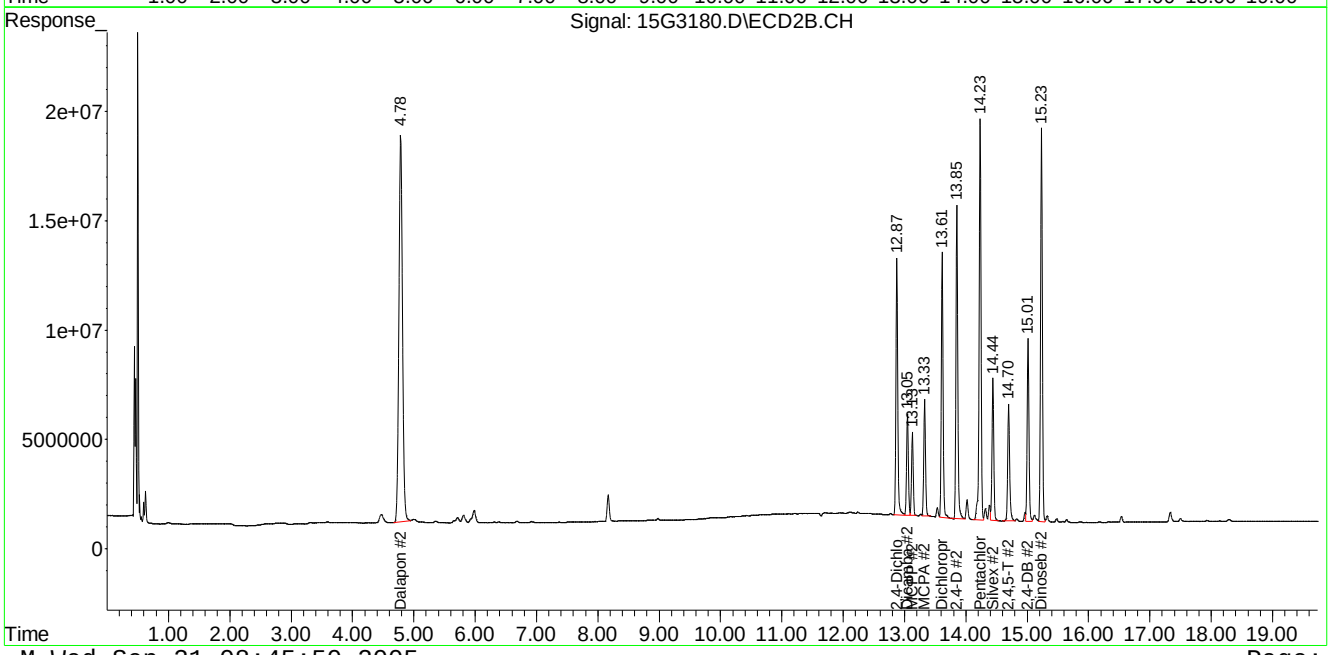
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\092005\
Data File : 15G3180.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Sep 2005 14:29 (#1); 20 Sep 2005 14:56 (#2)
Operator : ECL
Sample : WG197059-03 HERB ICAL #3
Misc : 1,1 SOS75-11
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 21 08:45:49 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Sep 21 08:45:04 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\092005\
Data File : 15G3181.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Sep 2005 14:56 (#1); 20 Sep 2005 15:22 (#2)
Operator : ECL
Sample : WG197059-04 HERB ICAL #2
Misc : 1,1 SOS75-11
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 21 08:45:51 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Sep 21 08:45:04 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
2) S	2,4-Dichlorophen	11.99	12.87	97531289	127.2E6	268.351	260.030
	Spiked Amount 500.000			Recovery =		53.67%	52.01%
	Target Compounds						
1)	Dalapon	4.15	4.78	253.4E6	376.0E6	631.753	639.612
3)	MCPA	12.49	13.32	40910312	57881081	26.107	25.972
4)	Dicamba	12.18	13.05	38753013	46890768	25.963	25.175
5)	MCPP	12.35	13.13	26299935	38351438	25.934	25.682
6)	Dichloroprop	12.81	13.61	101.9E6	128.2E6	264.103	261.557
7)	2,4-D	13.00	13.85	119.4E6	156.5E6	254.557	258.796
8)	Pentachlorophenol	13.22	14.23	170.6E6	193.0E6	24.816	24.683
9)	Silvex	13.62	14.44	57790749	65487594	24.726	24.956
10)	2,4,5-T	13.82	14.70	54842609	60233865	25.229	25.127
11)	Dinoseb	14.88	15.23	157.6E6	181.0E6	126.907	124.298
12)	2,4-DB	14.17	15.01	70630387	89413105	253.122	255.906

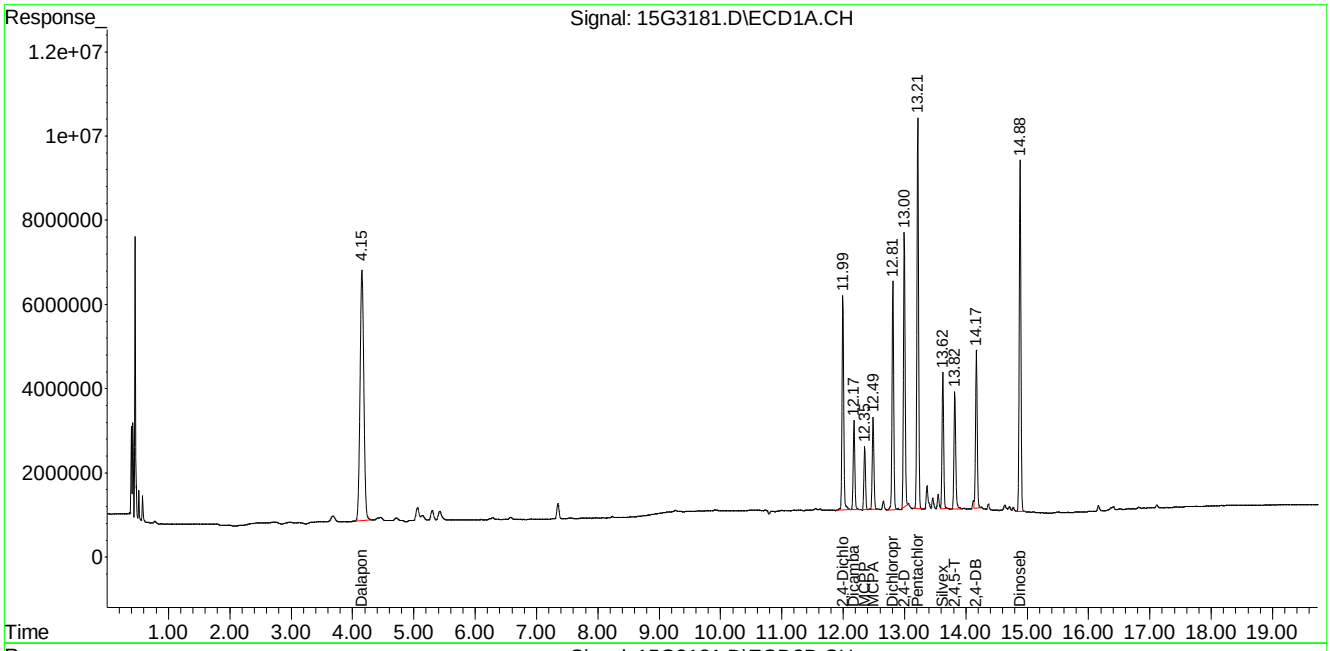
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

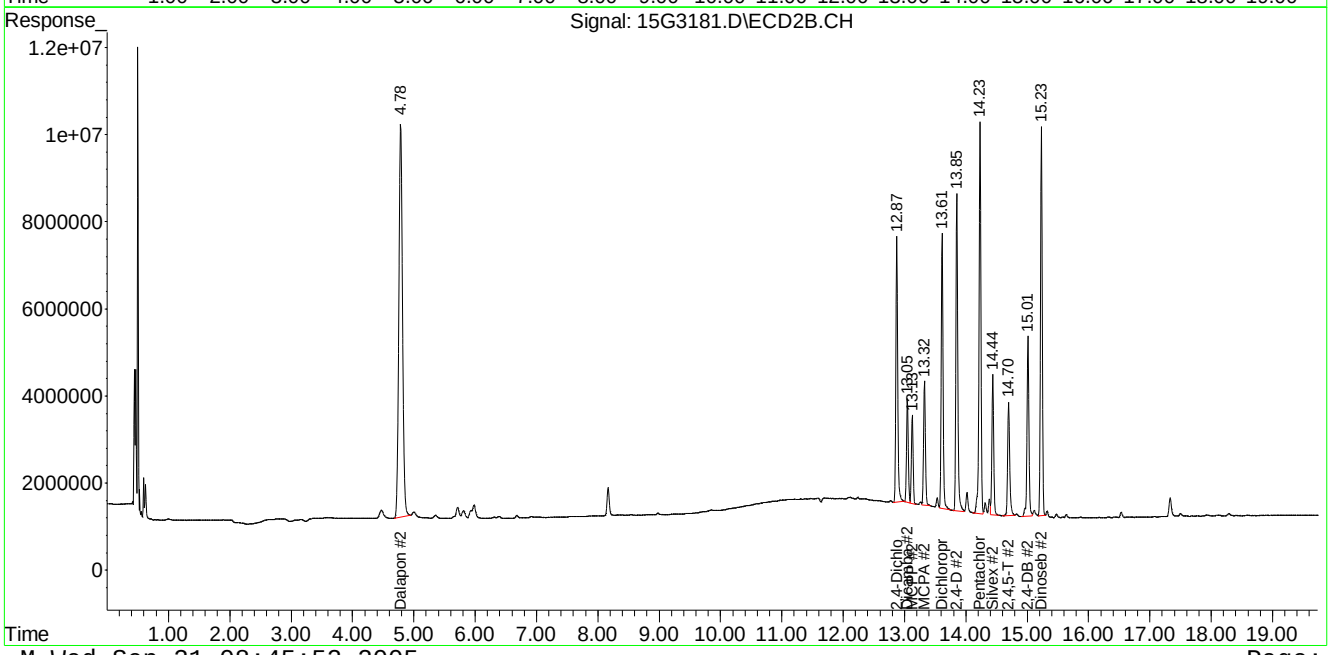
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\092005\
Data File : 15G3181.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Sep 2005 14:56 (#1); 20 Sep 2005 15:22 (#2)
Operator : ECL
Sample : WG197059-04 HERB ICAL #2
Misc : 1,1 SOS75-11
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 21 08:45:51 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Sep 21 08:45:04 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\092005\
Data File : 15G3182.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Sep 2005 15:22 (#1); 20 Sep 2005 15:49 (#2)
Operator : ECL
Sample : WG197059-05 HERB ICAL #1
Misc : 1,1 SOS75-11
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 21 08:45:53 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Sep 21 08:45:04 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
2) S	2,4-Dichlorophen	11.99	12.87	41109642	54433976	113.111	111.268
	Spiked Amount 500.000			Recovery	=	22.62%	22.25%
	Target Compounds						
1)	Dalapon	4.15	4.78	108.5E6	163.7E6	270.534	278.421
3)	MCPA	12.49	13.32	19747907	27812689	12.602	12.480
4)	Dicamba	12.18	13.05	15606941	19838574	10.456	10.651
5)	MCPP	12.35	13.13	11351922	16914711	11.194	11.327
6)	Dichloroprop	12.81	13.61	44844421	54750612	116.245	111.693
7)	2,4-D	13.00	13.85	55185360	66304132	117.634	109.629
8)	Pentachlorophenol	13.22	14.23	66694079	76438592	9.702	9.775
9)	Silvex	13.63	14.44	22953647	26700983	9.821	10.175
10)	2,4,5-T	13.82	14.70	21467894	24521765	9.876	10.229
11)	Dinoseb	14.88	15.23	63845578	75622955	51.428	51.941
12)	2,4-DB	14.17	15.01	30083392	35828210	107.812	102.543

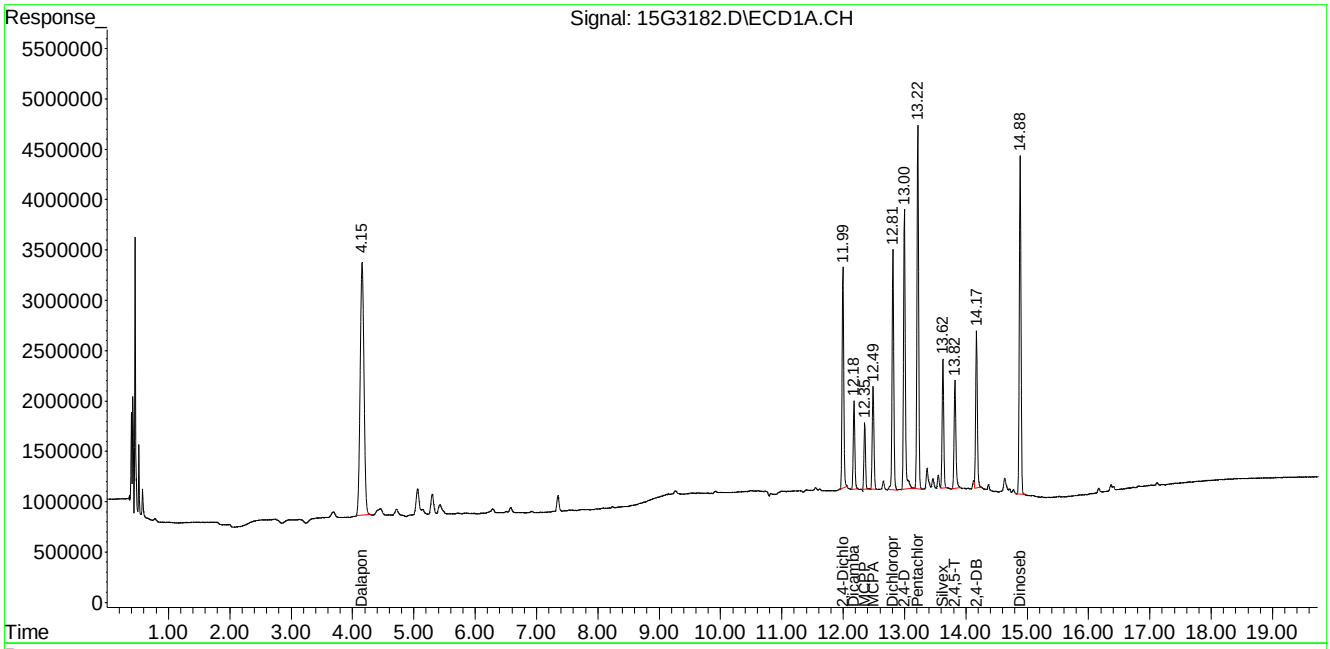
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

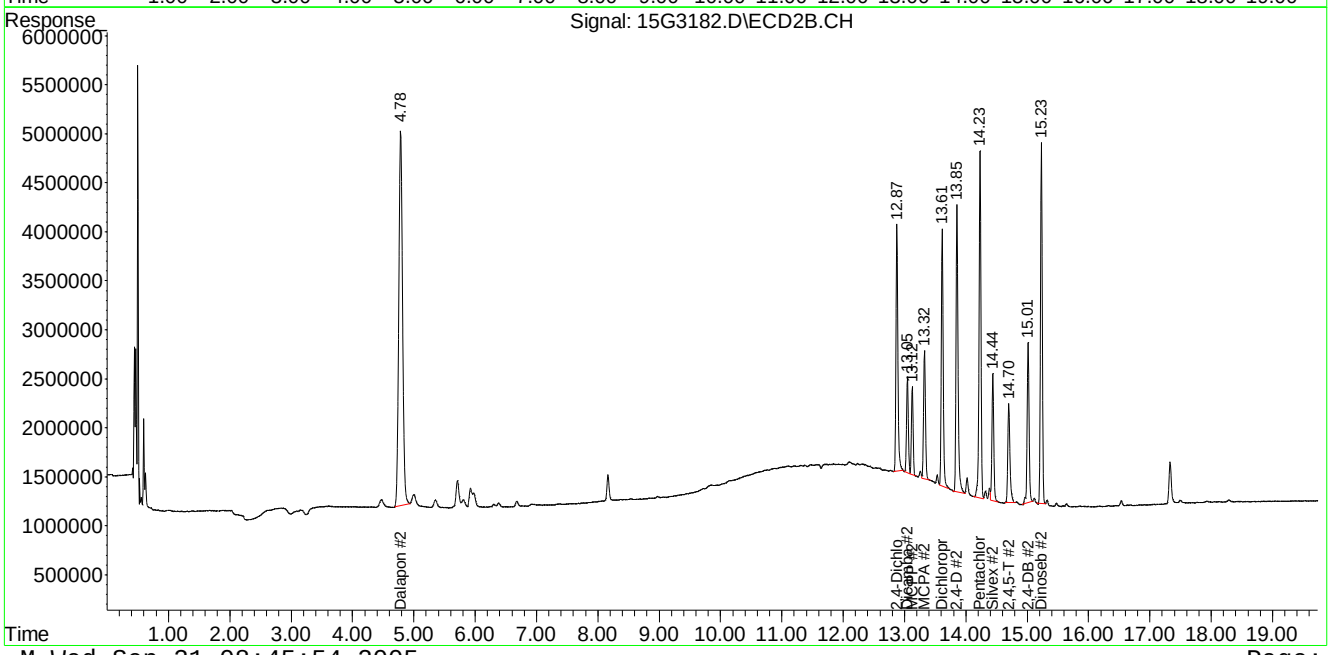
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\092005\
Data File : 15G3182.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Sep 2005 15:22 (#1); 20 Sep 2005 15:49 (#2)
Operator : ECL
Sample : WG197059-05 HERB ICAL #1
Misc : 1,1 SOS75-11
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 21 08:45:53 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Sep 21 08:45:04 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\092005\
Data File : 15G3183.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Sep 2005 15:49 (#1); 20 Sep 2005 16:16 (#2)
Operator : ECL
Sample : WG197059-06 HERB ALT
Misc : 1,1 SOS75-12
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 21 08:55:21 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Sep 21 08:45:04 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
2) S	2,4-Dichlorophen	11.99	12.87	163.4E6	217.3E6	449.616	444.175
	Spiked Amount 500.000			Recovery =		89.92%	88.83%
	Target Compounds						
1)	Dalapon	4.15	4.78	427.3E6	633.9E6	1065.362	1078.191
3)	MCPA	12.49	13.33	67010212	95273256	42.763	42.751
4)	Dicamba	12.18	13.05	73778576	90838219	49.428	48.769
5)	MCPP	12.35	13.13	43796896	63938077	43.188	42.816
6)	Dichloroprop	12.81	13.61	202.0E6	253.6E6	523.636	517.373
7)	2,4-D	12.99	13.85	199.5E6	259.1E6	425.210	428.356
8)	Pentachlorophenol	13.22	14.23	301.4E6	362.0E6	43.848	46.295
9)	Silvex	13.62	14.44	116.0E6	125.8E6	49.635	47.926
10)	2,4,5-T	13.82	14.69	93920362	103.9E6	43.205	43.335
11)	Dinoseb	14.88	15.23	269.4E6	307.1E6	216.988	210.938
12)	2,4-DB	14.17	15.01	129.0E6	152.1E6	462.130	435.215

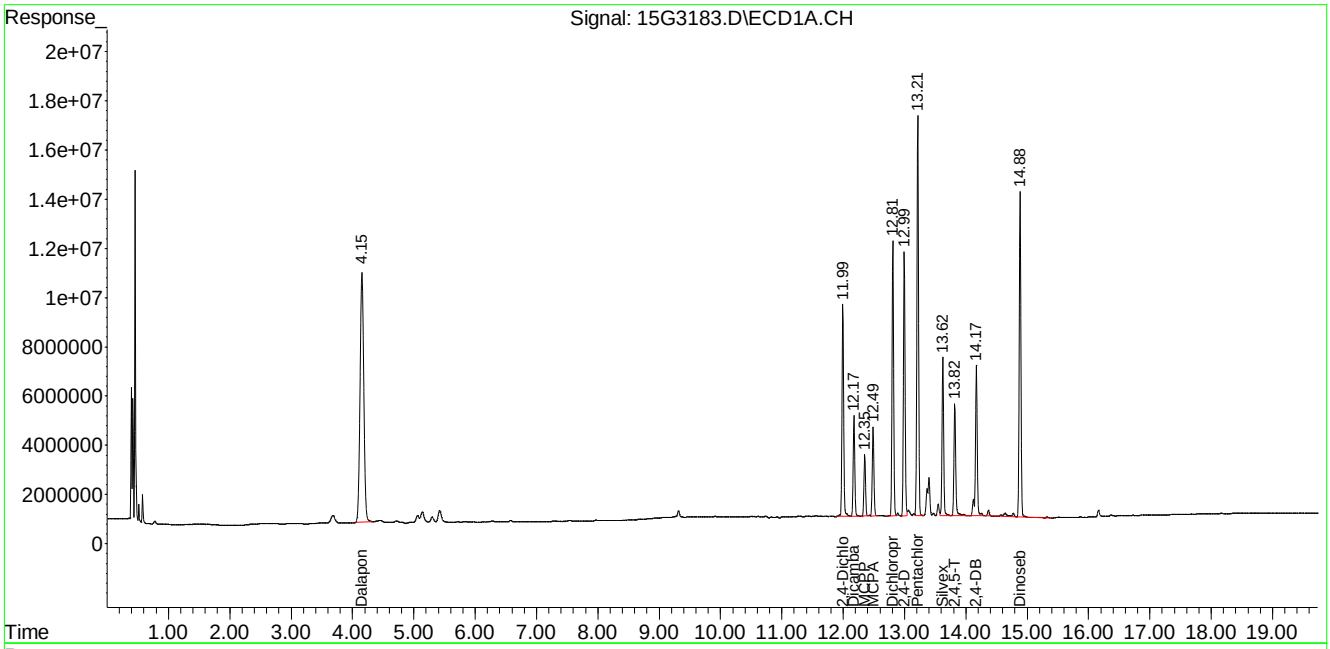
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

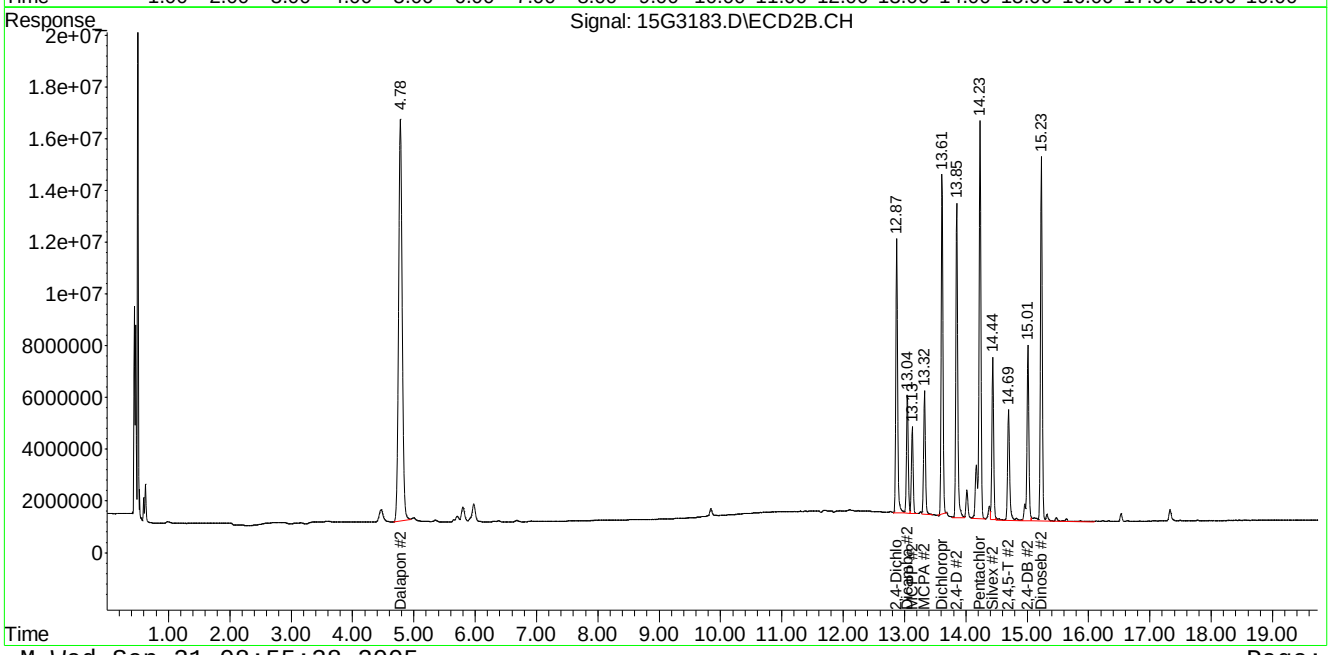
Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\092005\
Data File : 15G3183.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Sep 2005 15:49 (#1); 20 Sep 2005 16:16 (#2)
Operator : ECL
Sample : WG197059-06 HERB ALT
Misc : 1,1 SOS75-12
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 21 08:55:21 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Sep 21 08:45:04 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\101705\
Data File : 15G3461.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Oct 2005 9:42 (#1); 17 Oct 2005 10:08 (#2)
Operator : ECL
Sample : WG198748-01 HERB CCV
Misc : 1,1 SOS75-11
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 17 10:29:46 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Sep 21 08:45:04 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
2) S	2,4-Dichlorophen	11.99	12.89	180.0E6	213.7E6	495.277	436.735
	Spiked Amount 500.000			Recovery =		99.06%	87.35%
	Target Compounds						
1)	Dalapon	4.15	4.77	439.4E6	764.6E6	1095.503	1300.516
3)	MCPA	12.48	13.34f	76279891	102.1E6	48.678	45.825
4)	Dicamba	12.17	13.06	74633368	81404540	50.001	43.705
5)	MCPP	12.35	13.14f	52266512	70875625	51.540	47.462
6)	Dichloroprop	12.81	13.63	183.7E6	209.6E6	476.174	427.681
7)	2,4-D	12.99	13.86	226.0E6	272.4E6	481.672	450.313
8)	Pentachlorophenol	13.21	14.24	340.3E6	359.7E6	49.510	45.997
9)	Silvex	13.62	14.45	113.5E6	119.4E6	48.566	45.483
10)	2,4,5-T	13.81	14.71	105.8E6	111.1E6	48.674	46.365
11)	Dinoseb	14.88	15.24	310.6E6	348.8E6	250.168	239.604
12)	2,4-DB	14.17	15.02	129.9E6	155.6E6	465.489	445.472

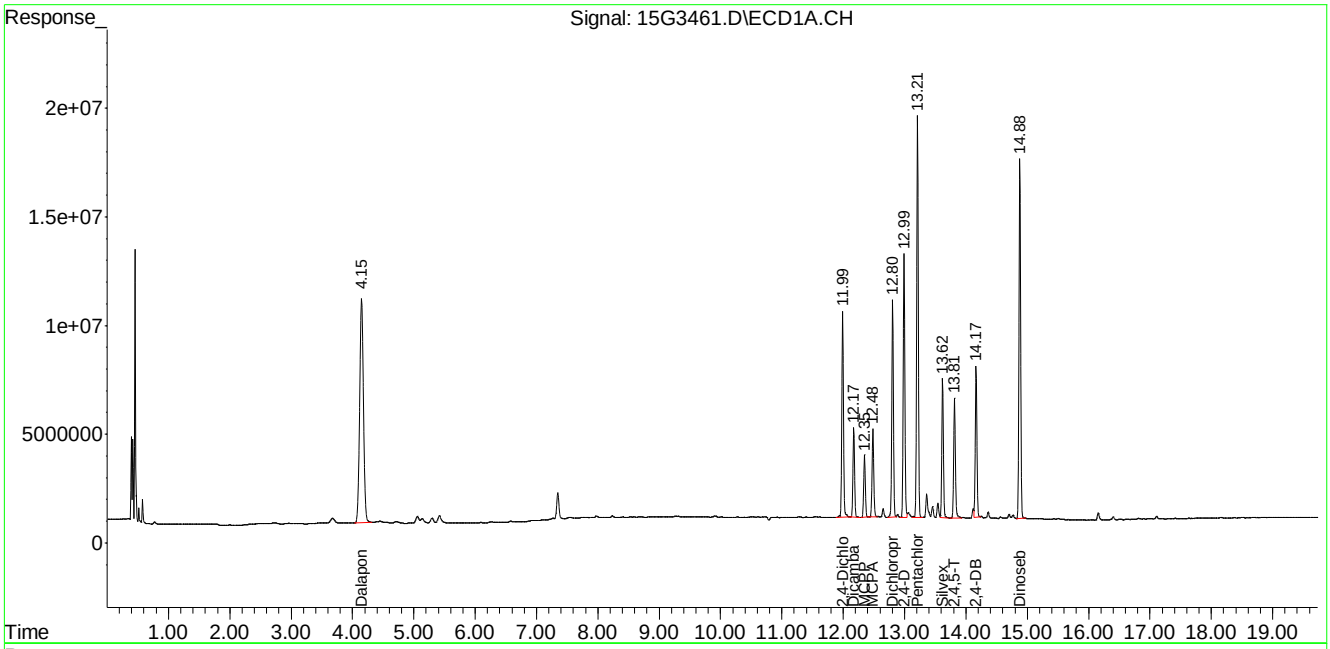
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

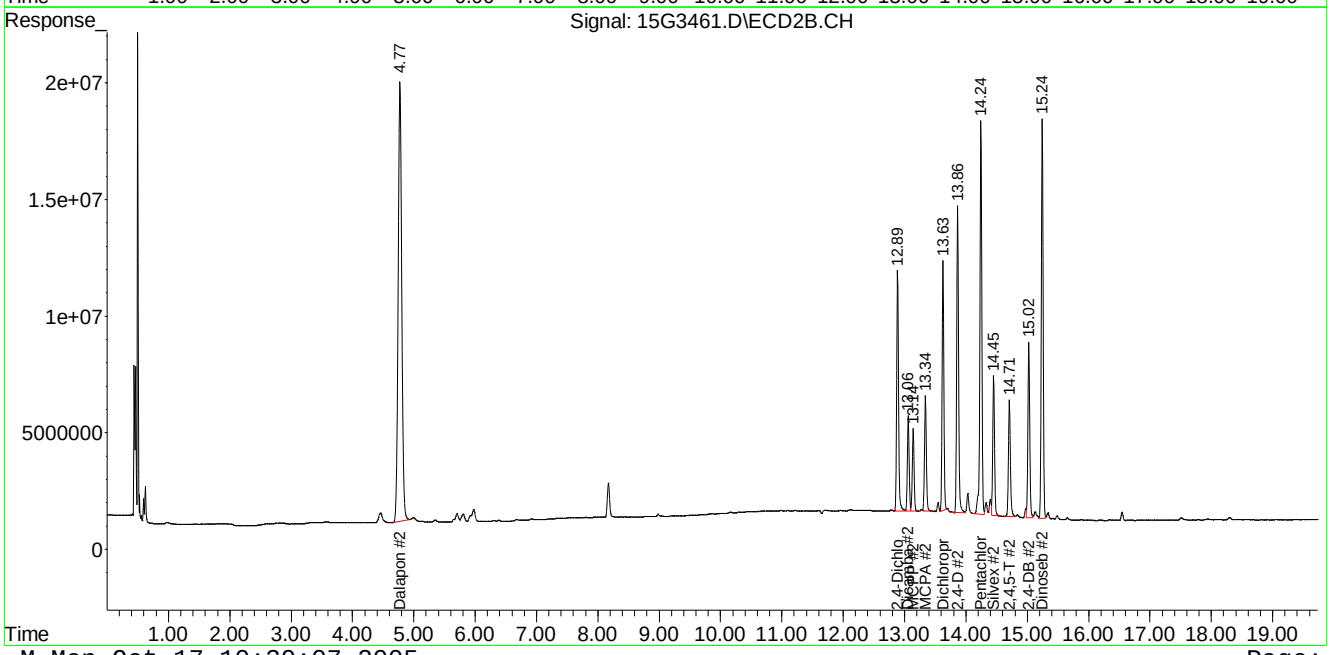
Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\101705\
Data File : 15G3461.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Oct 2005 9:42 (#1); 17 Oct 2005 10:08 (#2)
Operator : ECL
Sample : WG198748-01 HERB CCV
Misc : 1,1 SOS75-11
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 17 10:29:46 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Sep 21 08:45:04 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\101705\
Data File : 15G3469.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Oct 2005 13:15 (#1); 17 Oct 2005 13:41 (#2)
Operator : ECL
Sample : WG198748-02 HERB CCV
Misc : 1,1 SOS75-11
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 17 14:02:21 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Sep 21 08:45:04 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
2) S	2,4-Dichlorophen	11.99	12.89	184.2E6	188.7E6	506.787	385.812
	Spiked Amount 500.000			Recovery =		101.36%	77.16%
	Target Compounds						
1)	Dalapon	4.15	4.77f	435.7E6	783.5E6	1086.172	1332.715
3)	MCPA	12.49	13.34f	77717160	92596789	49.595	41.550
4)	Dicamba	12.18	13.06f	76911360	72228174	51.527	38.778
5)	MCPP	12.35	13.14f	53457235	63039601	52.714	42.215
6)	Dichloroprop	12.81	13.63	190.3E6	191.4E6	493.235	390.511
7)	2,4-D	13.00	13.87	234.4E6	247.7E6	499.754	409.576
8)	Pentachlorophenol	13.22	14.25f	348.9E6	327.8E6	50.759	41.925
9)	Silvex	13.62	14.45f	115.9E6	108.9E6	49.591	41.485
10)	2,4,5-T	13.82	14.71	108.2E6	103.1E6	49.753	42.990
11)	Dinoseb	14.88	15.25f	311.1E6	339.8E6	250.612	233.390
12)	2,4-DB	14.17	15.03	133.8E6	145.2E6	479.568	415.429

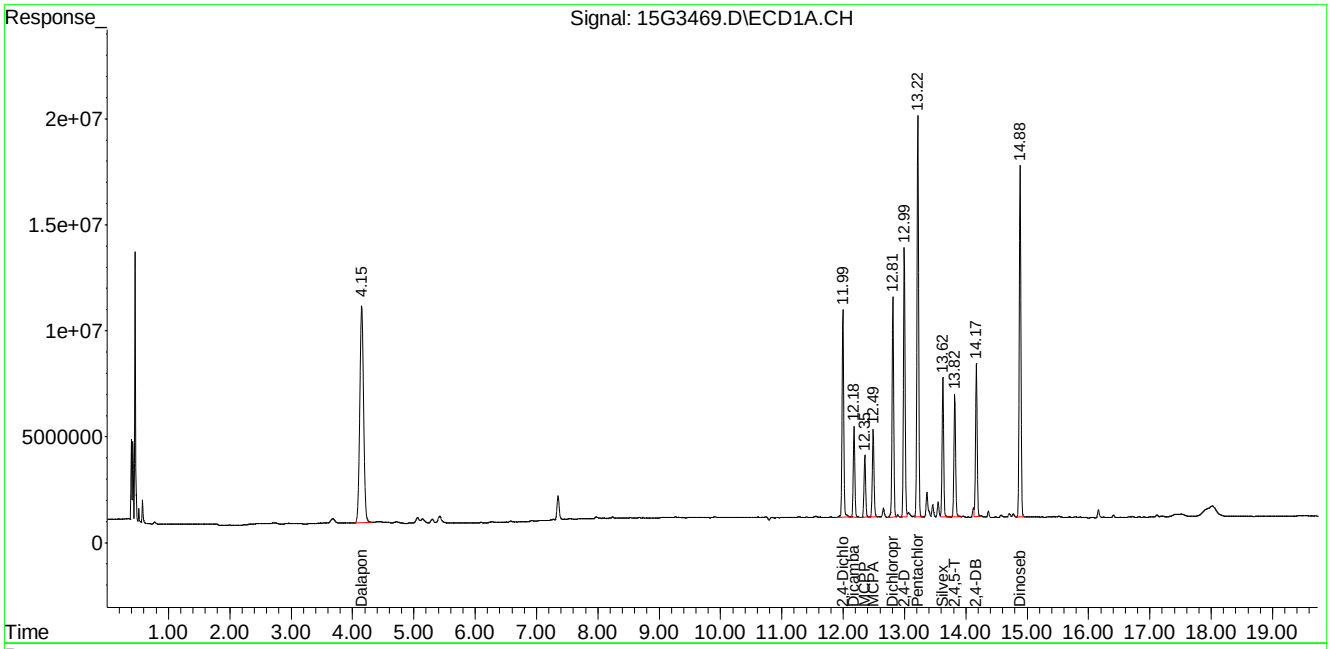
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

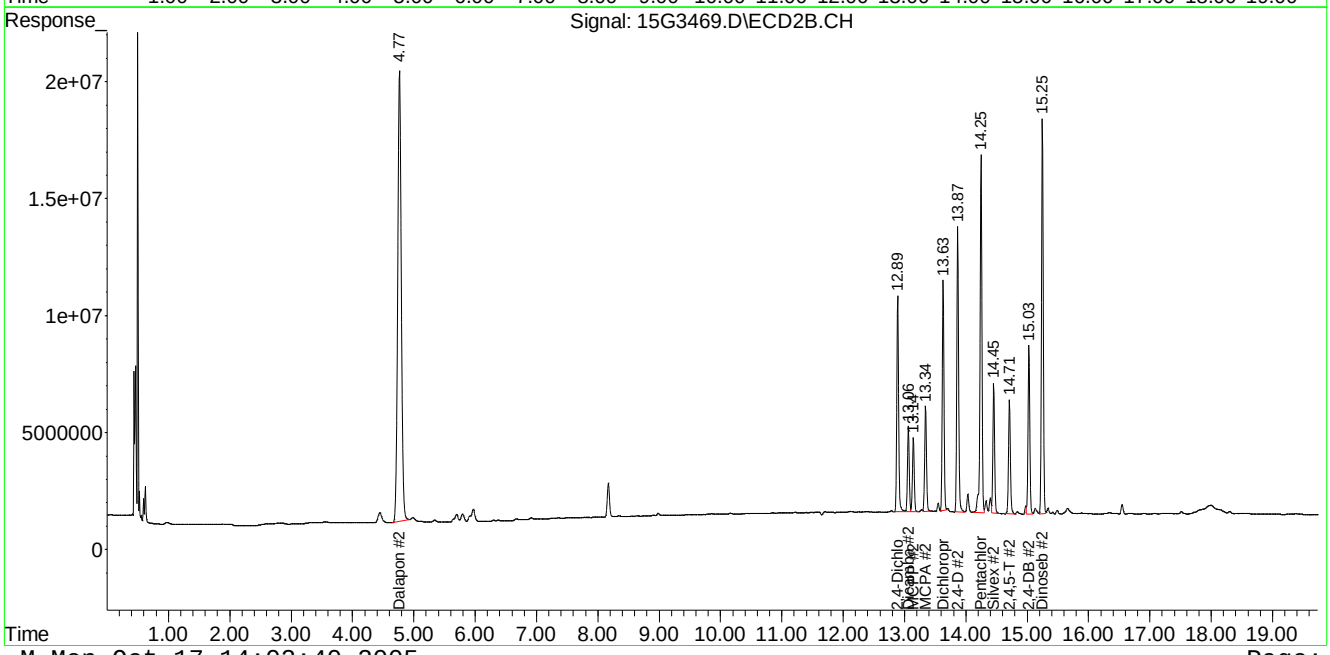
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\101705\
Data File : 15G3469.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Oct 2005 13:15 (#1); 17 Oct 2005 13:41 (#2)
Operator : ECL
Sample : WG198748-02 HERB CCV
Misc : 1,1 SOS75-11
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 17 14:02:21 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Sep 21 08:45:04 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\101805\
Data File : 15G3471.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Oct 2005 17:22 (#1); 18 Oct 2005 17:48 (#2)
Operator : HAV
Sample : WG198925-01 HERB CCV @500ppb
Misc : 1,1 SOS75-11
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 19 08:41:05 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Oct 19 07:35:14 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
2) S	2,4-Dichlorophen	12.00	12.89	187.5E6	208.7E6	515.823	426.582
	Spiked Amount 500.000			Recovery =		103.16%	85.32%
	Target Compounds						
1)	Dalapon	4.15	4.77	444.9E6	772.3E6	1109.074	1313.725
3)	MCPA	12.49	13.35	79525016	102.0E6	50.749	45.776
4)	Dicamba	12.18	13.06	78559037	80066460	52.631	42.986
5)	MCPP	12.36	13.15	54482940	69430038	53.726	46.494
6)	Dichloroprop	12.81	13.63	195.3E6	213.9E6	506.249	436.263
7)	2,4-D	13.00	13.87	239.5E6	279.0E6	510.625	461.357
8)	Pentachlorophenol	13.22	14.25	361.8E6	379.2E6	52.638	48.496
9)	Silvex	13.63	14.46	121.6E6	127.2E6	52.038	48.485
10)	2,4,5-T	13.82	14.71	113.2E6	119.2E6	52.086	49.745
11)	Dinoseb	14.89	15.25	323.7E6	386.0E6	260.718	265.129
12)	2,4-DB	14.17	15.03	136.7E6	170.1E6	489.781	486.695

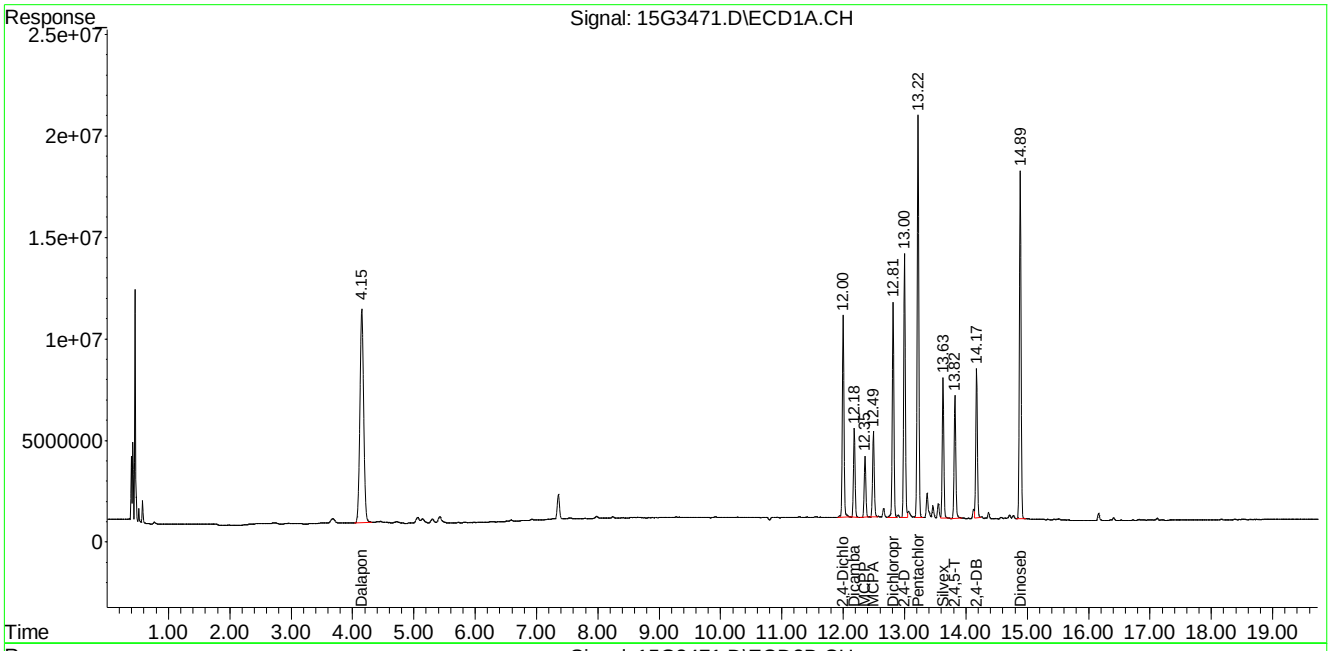
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

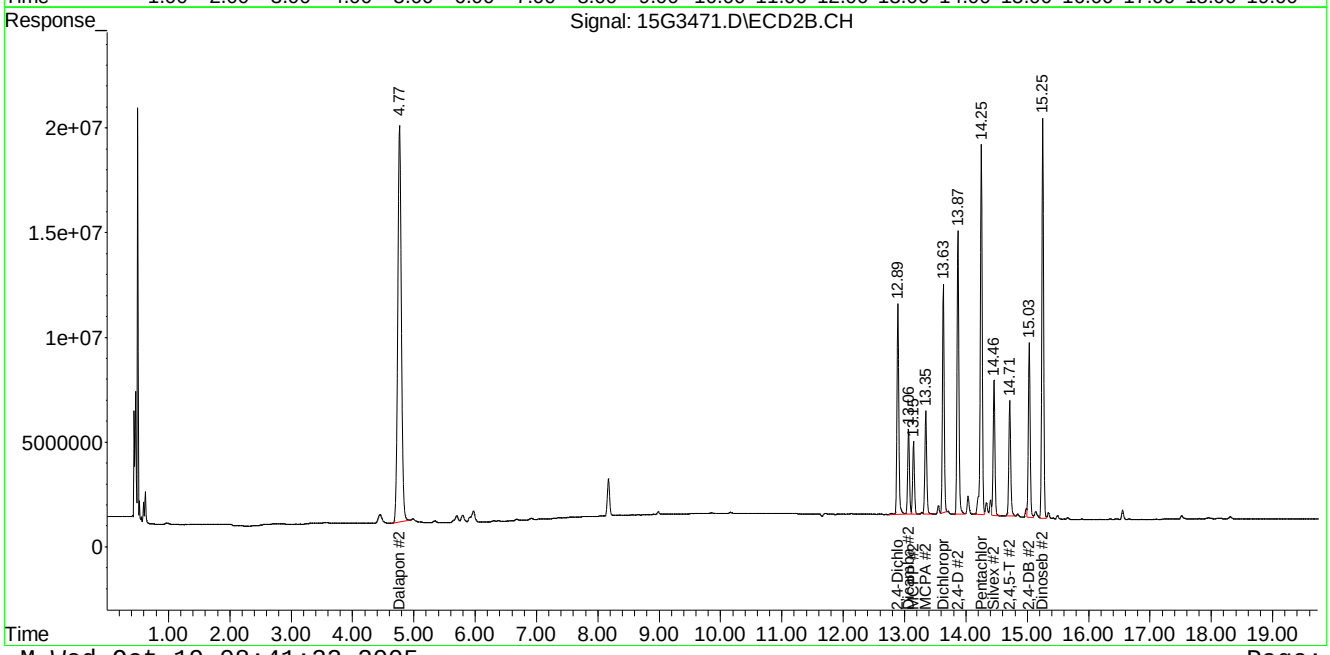
Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\101805\
Data File : 15G3471.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Oct 2005 17:22 (#1); 18 Oct 2005 17:48 (#2)
Operator : HAV
Sample : WG198925-01 HERB CCV @500ppb
Misc : 1,1 SOS75-11
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 19 08:41:05 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Oct 19 07:35:14 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\101805\
Data File : 15G3479.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Oct 2005 20:54 (#1); 18 Oct 2005 21:21 (#2)
Operator : HAV
Sample : WG198925-02 HERB CCV @500ppb
Misc : 1,1 SOS75-11
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 19 07:44:04 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Oct 19 07:35:14 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
2) S	2,4-Dichlorophen	12.00	12.89	174.5E6	214.1E6	479.993	437.582	
	Spiked Amount 500.000			Recovery =		96.00%	87.52%	
	Target Compounds							
1)	Dalapon	4.15	4.77	433.3E6	776.5E6	1080.251	1320.785	
3)	MCPA	12.49	13.35	75518653	127.5E6	48.192	57.227	
4)	Dicamba	12.18	13.06	71642754	81969078	47.997	44.008	
5)	MCPP	12.35	13.15	49960923	76595990	49.267	51.293	
6)	Dichloroprop	12.81	13.63	170.0E6	225.1E6	440.759	459.314	
7)	2,4-D	13.00	13.87	218.0E6	315.2E6	464.664	521.115	
8)	Pentachlorophenol	13.22	14.25	325.9E6	363.0E6	47.403	46.418	
9)	Silvex	13.62	14.46	79854565	136.1E6	34.165	51.851	#
10)	2,4,5-T	13.82	14.71	103.9E6	128.6E6	47.783	53.656	
11)	Dinoseb	14.88	15.25	249.8E6	411.6E6	201.174	282.699	#
12)	2,4-DB	14.17	15.03	124.8E6	188.6E6	447.149	539.927	

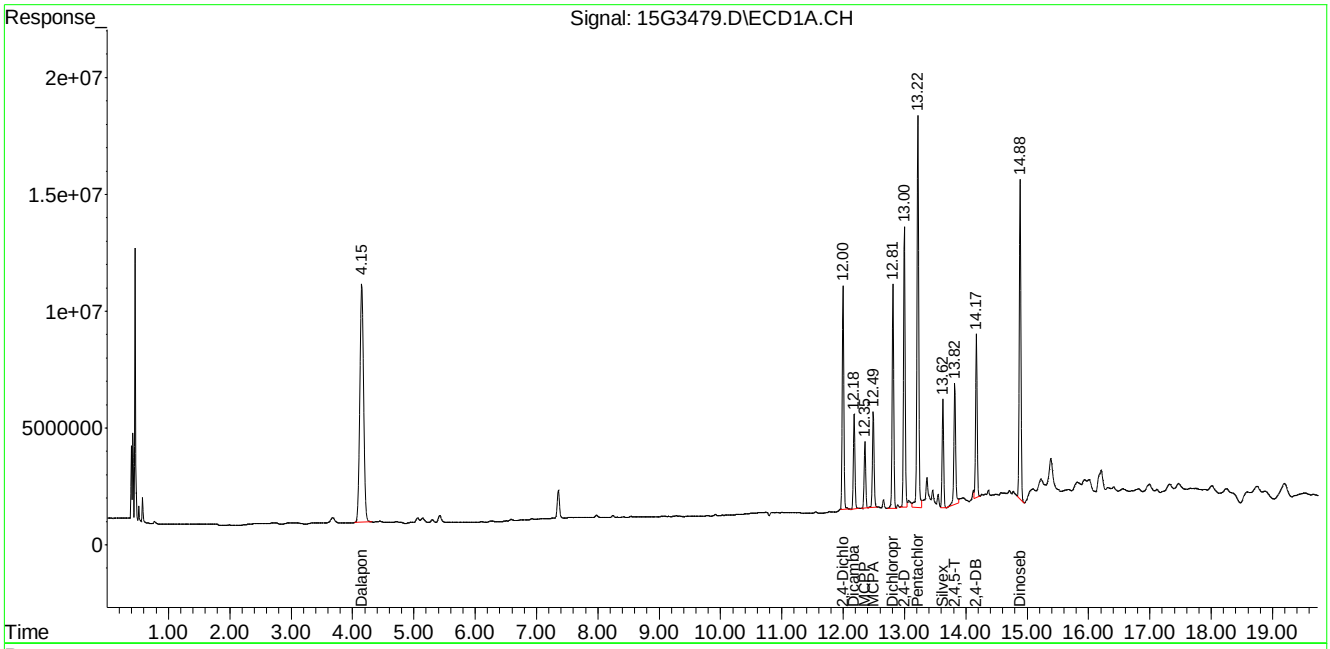
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

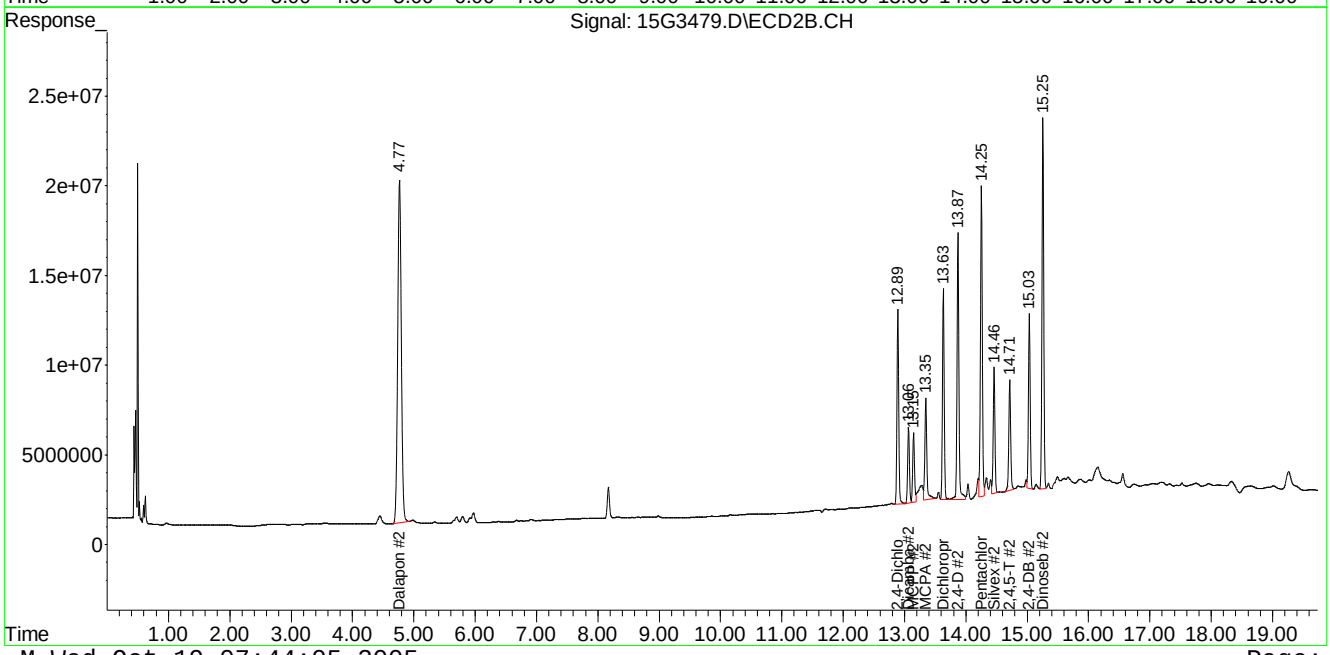
Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\101805\
Data File : 15G3479.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Oct 2005 20:54 (#1); 18 Oct 2005 21:21 (#2)
Operator : HAV
Sample : WG198925-02 HERB CCV @500ppb
Misc : 1,1 SOS75-11
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 19 07:44:04 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Oct 19 07:35:14 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





RETENTION TIME WINDOWS

Lab Name: Kemron Environmental Services

Instrument ID: HP 15

GC Column: RTx-CLP (Front)

	STANDARD #1	STANDARD #2	STANDARD #3
Date Run	10/4/05	10/6/05	10/11/05
File #	15G3296	15G3373	15G3421

COMPOUND	STD #1 RT	STD #2 RT	STD #3 RT	RT WIN
Dalapon	4.15	4.15	4.15	0.000
MCPA	12.49	12.49	12.49	0.000
Dicamba	12.18	12.18	12.18	0.000
MCPP	12.35	12.35	12.35	0.000
Dichloroprop	12.81	12.81	12.81	0.000
2,4-D	12.99	12.99	12.99	0.000
Pentachlorophenol	13.21	13.22	13.22	0.017
Silvex	13.62	13.62	13.62	0.000
2,4,5-T	13.82	13.82	13.82	0.000
Dinoseb	14.88	14.88	14.88	0.000
2,4-DB	14.17	14.17	14.17	0.000

RETENTION TIME WINDOWS

Lab Name: Kemron Environmental Services

Instrument ID: HP 15
GC Column: RTx-CLP II (Rear)

	STANDARD #1	STANDARD #2	STANDARD #3
Date Run	10/4/05	10/6/05	10/11/05
File #	15G3296	15G3373	15G3421

COMPOUND	STD #1 RT	STD #2 RT	STD #3 RT	RT WIN
Dalapon	4.77	4.77	4.77	0.000
MCPA	13.32	13.33	13.33	0.017
Dicamba	13.04	13.05	13.05	0.017
MCPP	13.12	13.13	13.13	0.017
Dichloroprop	13.61	13.61	13.62	0.017
2,4-D	13.85	13.85	13.85	0.000
Pentachlorophenol	14.23	14.23	14.24	0.017
Silvex	14.43	14.44	14.44	0.017
2,4,5-T	14.69	14.69	14.70	0.017
Dinoseb	15.23	15.23	15.24	0.017
2,4-DB	15.01	15.01	15.02	0.017

2.2.5.4 Raw QC Data

Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\101705\
Data File : 15G3466.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Oct 2005 11:55 (#1); 17 Oct 2005 12:22 (#2)
Operator : ECL
Sample : WG198702-01 BLANK V250 P107
Misc : 7,1 SOIL
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 17 12:55:39 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Sep 21 08:45:04 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
2) S	2,4-Dichlorophen	11.99	12.88	79751272	83955040	219.430	171.611
	Spiked Amount 500.000			Recovery	=	43.89%	34.32%
	Target Compounds						
1)	Dalapon	0.00	0.00	0	0	N.D.	N.D.
3)	MCPA	0.00	0.00	0	0	N.D.	N.D.
4)	Dicamba	0.00	0.00	0	0	N.D.	N.D.
5)	MCPP	0.00	0.00	0	0	N.D.	N.D.
6)	Dichloroprop	0.00	0.00	0	0	N.D.	N.D.
7)	2,4-D	0.00	0.00	0	0	N.D.	N.D.
8)	Pentachlorophenol	0.00	0.00	0	0	N.D.	N.D.
9)	Silvex	0.00	0.00	0	0	N.D.	N.D.
10)	2,4,5-T	0.00	0.00	0	0	N.D.	N.D.
11)	Dinoseb	0.00	0.00	0	0	N.D.	N.D.
12)	2,4-DB	0.00	0.00	0	0	N.D.	N.D.

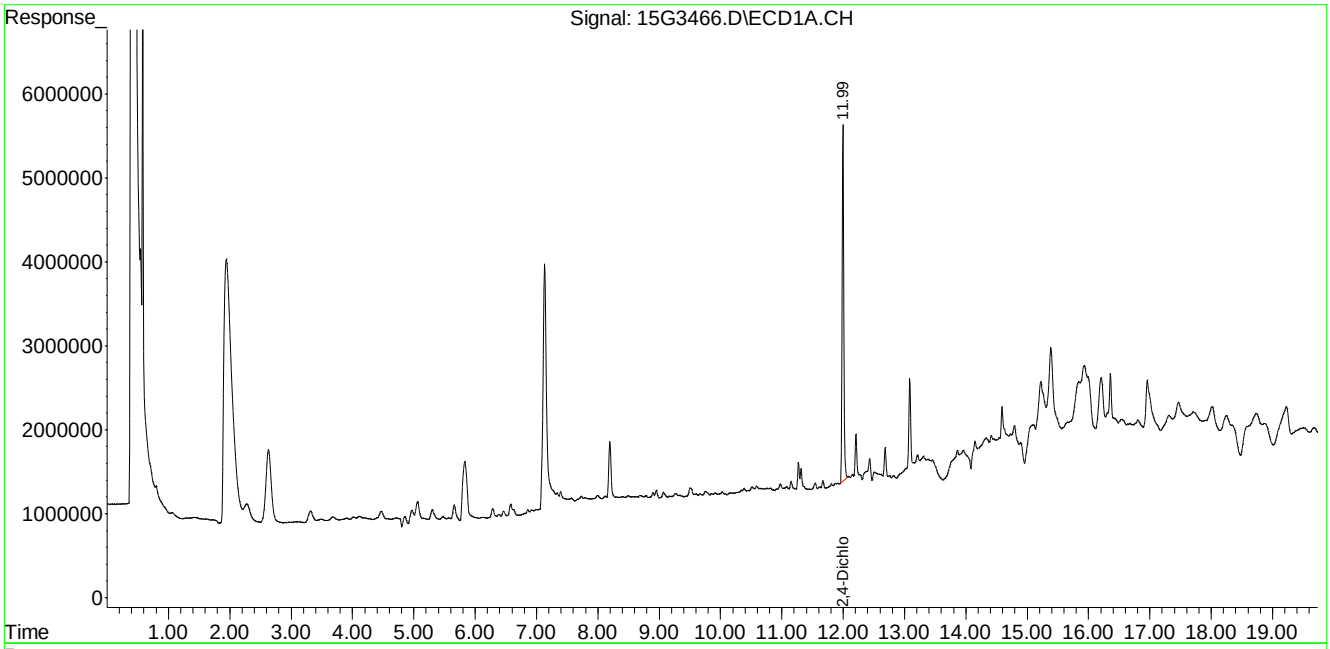
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

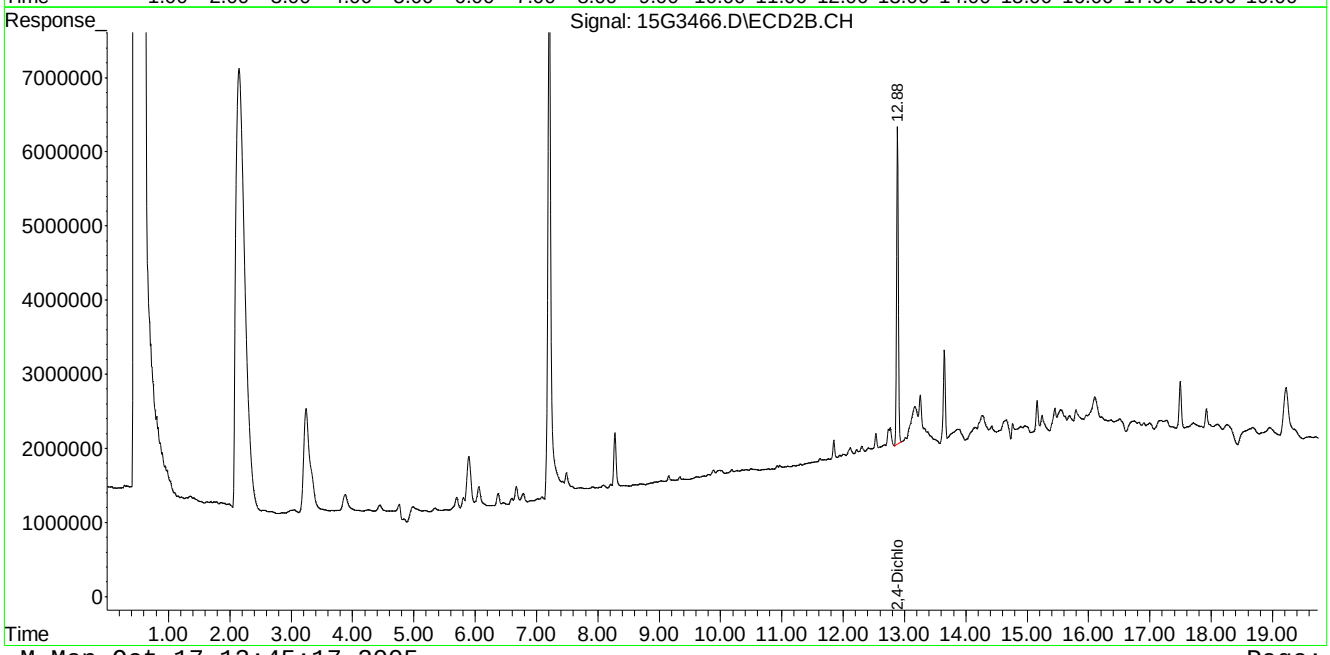
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\101705\
Data File : 15G3466.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Oct 2005 11:55 (#1); 17 Oct 2005 12:22 (#2)
Operator : ECL
Sample : WG198702-01 BLANK V250 P107
Misc : 7,1 SOIL
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 17 12:55:39 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Sep 21 08:45:04 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\101805\
Data File : 15G3472.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Oct 2005 17:48 (#1); 18 Oct 2005 18:14 (#2)
Operator : HAV
Sample : WG198828-01 BLK 250-123
Misc : 7,1 soil
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 19 07:44:19 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Oct 19 07:35:14 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
2) S	2,4-Dichlorophen	11.99	12.89	126.8E6	147.4E6	349.012	301.222
	Spiked Amount 500.000			Recovery	=	69.80%	60.24%
	Target Compounds						
1)	Dalapon	0.00	0.00	0	0	N.D.	N.D.
3)	MCPA	0.00	0.00	0	0	N.D.	N.D.
4)	Dicamba	0.00	0.00	0	0	N.D.	N.D.
5)	MCPP	0.00	0.00	0	0	N.D.	N.D.
6)	Dichloroprop	0.00	13.65f	0	46872905	N.D.	95.622 #
7)	2,4-D	0.00	0.00	0	0	N.D.	N.D.
8)	Pentachlorophenol	0.00	0.00	0	0	N.D.	N.D.
9)	Silvex	0.00	0.00	0	0	N.D.	N.D.
10)	2,4,5-T	0.00	0.00	0	0	N.D.	N.D.
11)	Dinoseb	0.00	15.25	0	13459727	N.D.	9.245 #
12)	2,4-DB	14.15f	0.00	19446869	0	69.693	N.D. #

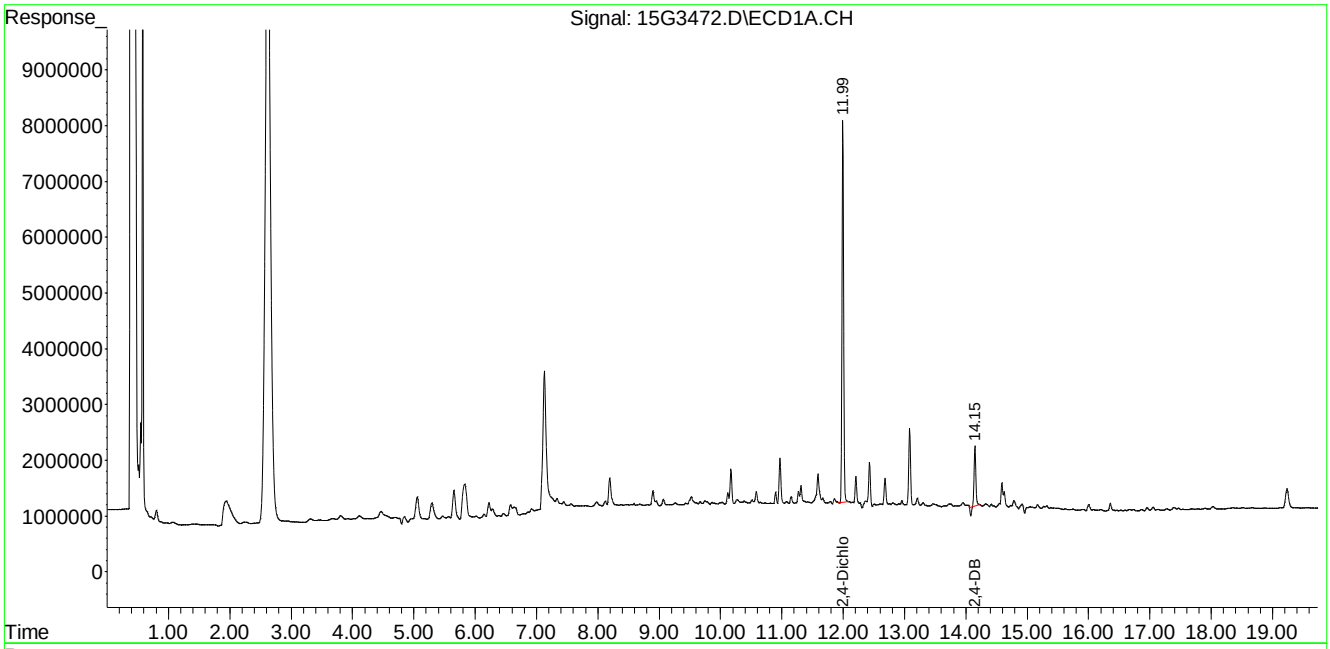
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

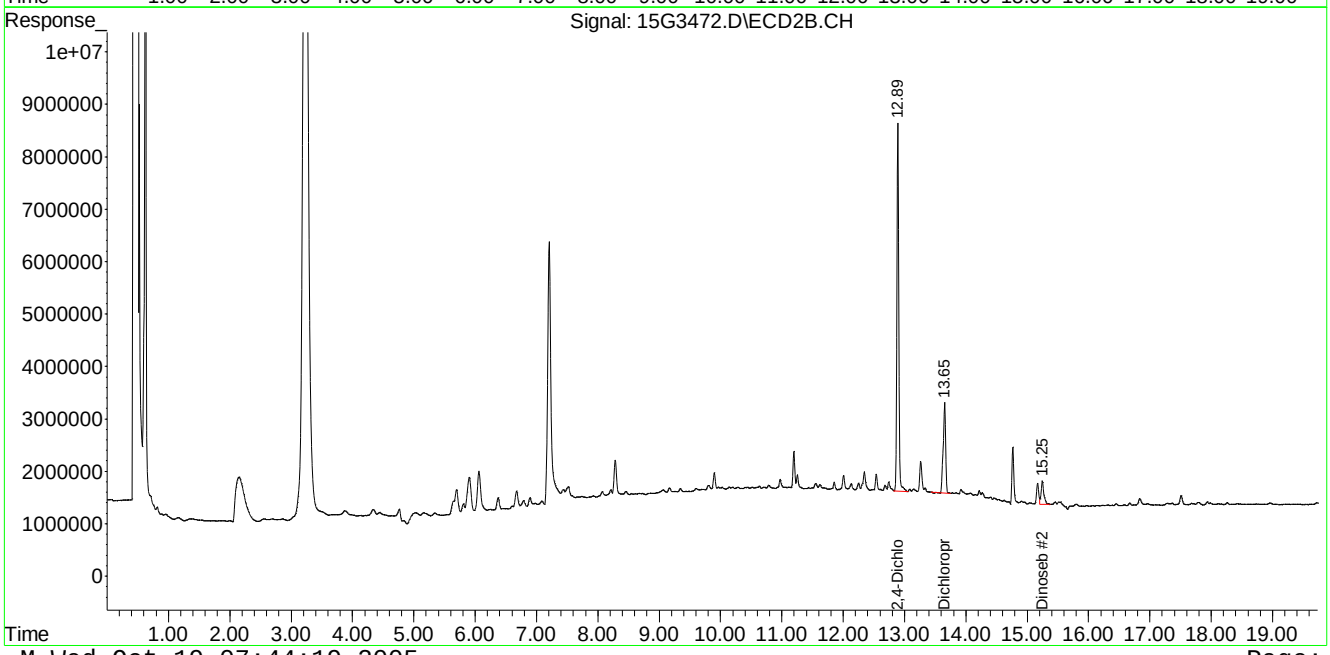
Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\101805\
Data File : 15G3472.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Oct 2005 17:48 (#1); 18 Oct 2005 18:14 (#2)
Operator : HAV
Sample : WG198828-01 BLK 250-123
Misc : 7,1 soil
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 19 07:44:19 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Oct 19 07:35:14 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\101705\
Data File : 15G3467.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Oct 2005 12:22 (#1); 17 Oct 2005 12:48 (#2)
Operator : ECL
Sample : WG198702-02 LCS V250 P107
Misc : 7,1 SOIL
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 17 13:09:49 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Sep 21 08:45:04 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
2) S	2,4-Dichlorophen	11.99	12.88	54527972	57440112	150.030	117.412	
	Spiked Amount 500.000			Recovery =		30.01%	23.48%	
	Target Compounds							
1)	Dalapon	4.15	4.77f	83546577	149.9E6	208.290	254.936	
3)	MCPA	12.49	13.34	23228911	29003109	14.824	13.014	
4)	Dicamba	12.18	13.06	25236721	19735301	16.907	10.596	#
5)	MCPP	12.35	13.14	15884671	19806084	15.664	13.263	
6)	Dichloroprop	12.81	13.62	63969503	85735781	165.820	174.904	
7)	2,4-D	13.00	13.86	59747300	61505456	127.358	101.694	
8)	Pentachlorophenol	13.22	14.24	81096668	73002539	11.797	9.336	
9)	Silvex	13.62	14.45	36267581	35801631	15.517	13.643	
10)	2,4,5-T	13.82	14.71	31433454	26288340	14.460	10.966	
11)	Dinoseb	14.88	15.24	81113804	86333352	65.337	59.298	
12)	2,4-DB	14.17	15.02	35520973	35073354	127.298	100.382	

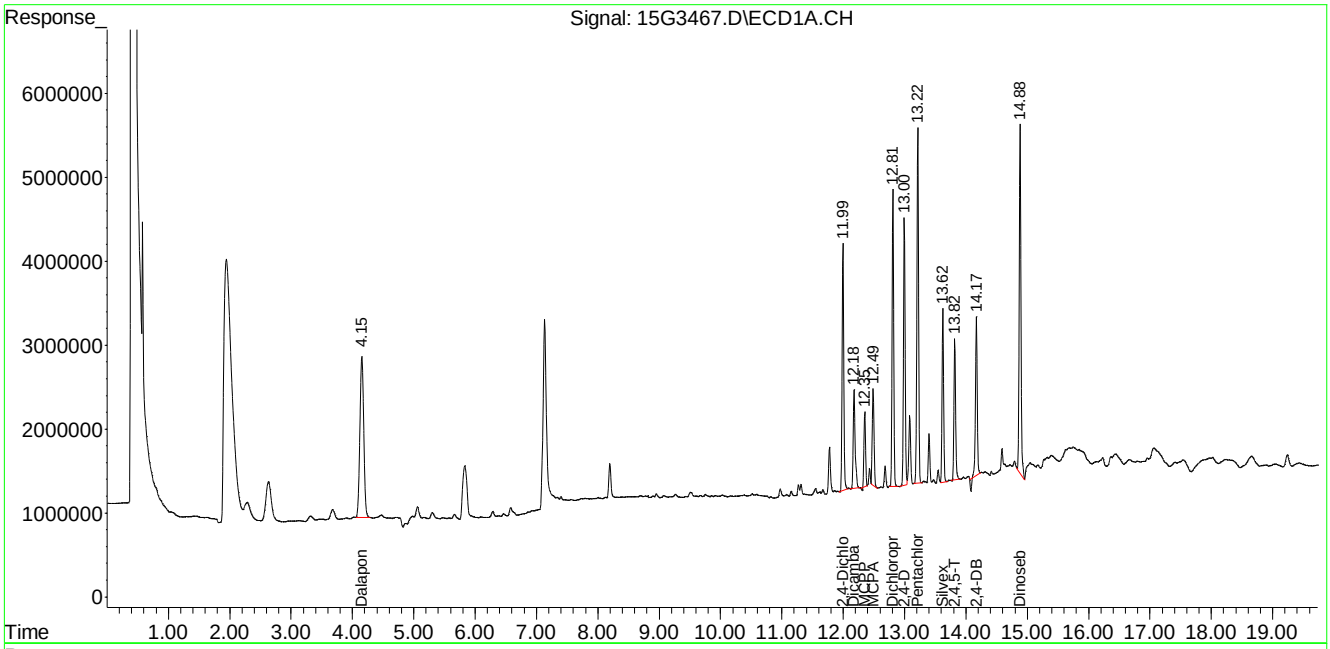
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

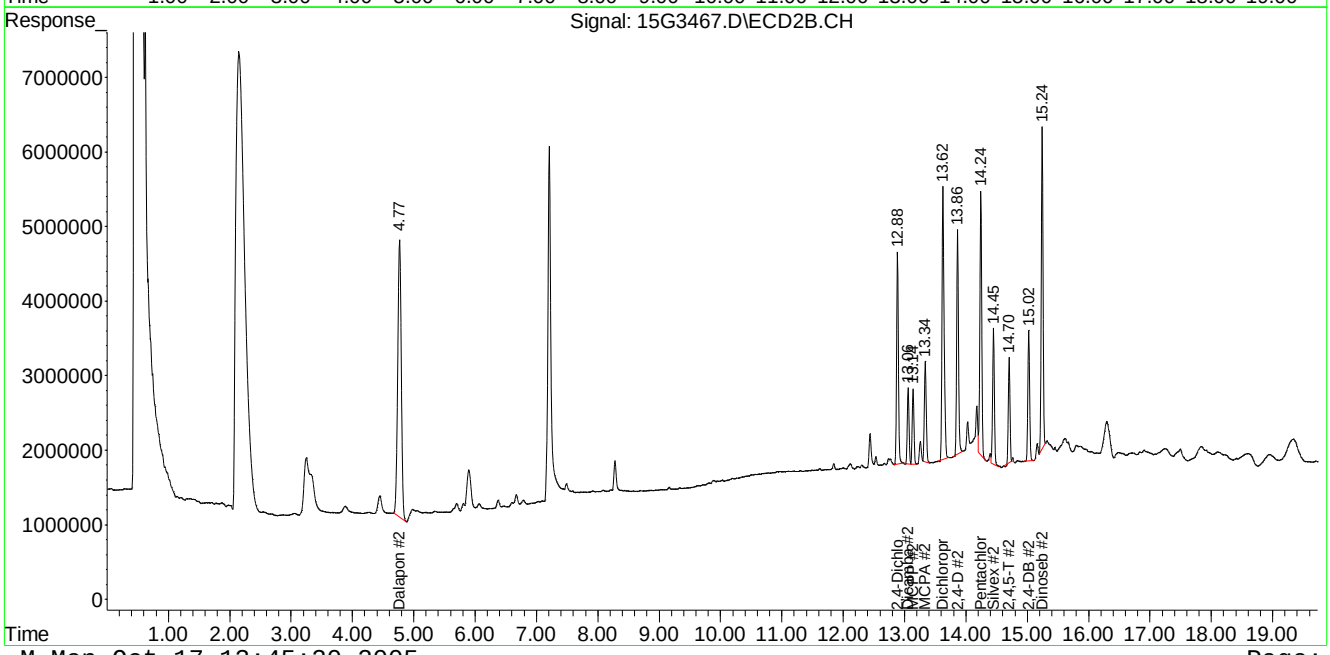
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\101705\
Data File : 15G3467.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Oct 2005 12:22 (#1); 17 Oct 2005 12:48 (#2)
Operator : ECL
Sample : WG198702-02 LCS V250 P107
Misc : 7,1 SOIL
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 17 13:09:49 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Sep 21 08:45:04 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\101805\
Data File : 15G3473.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Oct 2005 18:14 (#1); 18 Oct 2005 18:41 (#2)
Operator : HAV
Sample : WG198828-02 LCS 250-124
Misc : 7,1 soil
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 19 07:44:25 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Oct 19 07:35:14 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
2) S	2,4-Dichlorophen	11.99	12.89	140.0E6	177.1E6	385.327	361.967	
	Spiked Amount 500.000				Recovery =	77.07%	72.39%	
	Target Compounds							
1)	Dalapon	4.15	4.77	205.3E6	373.4E6	511.764	635.179	
3)	MCPA	12.49	13.34	51845893	80420458	33.085	36.086	
4)	Dicamba	12.18	13.06	75604755	65620729	50.652	35.231	#
5)	MCPP	12.35	13.15	40081224	53987170	39.524	36.153	
6)	Dichloroprop	12.81	13.63	163.8E6	252.5E6	424.674	515.069	
7)	2,4-D	12.99	13.87	166.9E6	213.7E6	355.681	353.344	
8)	Pentachlorophenol	13.21	14.25	234.1E6	239.0E6	34.059	30.571	
9)	Silvex	13.62	14.46	91685246	108.7E6	39.227	41.440	
10)	2,4,5-T	13.82	14.71	81765091	95314736	37.614	39.761	
11)	Dinoseb	14.88	15.25	247.6E6	332.0E6	199.471	228.048	
12)	2,4-DB	14.17	15.03	123.6E6	118.5E6	442.915	339.026	

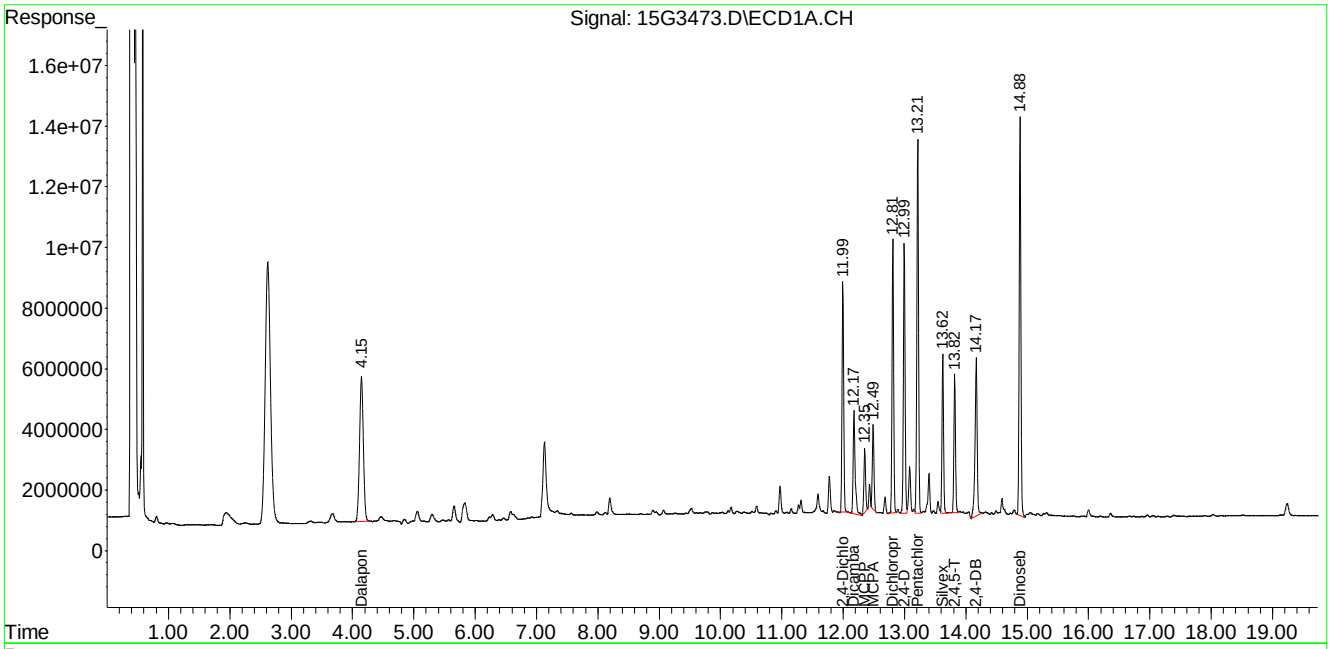
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

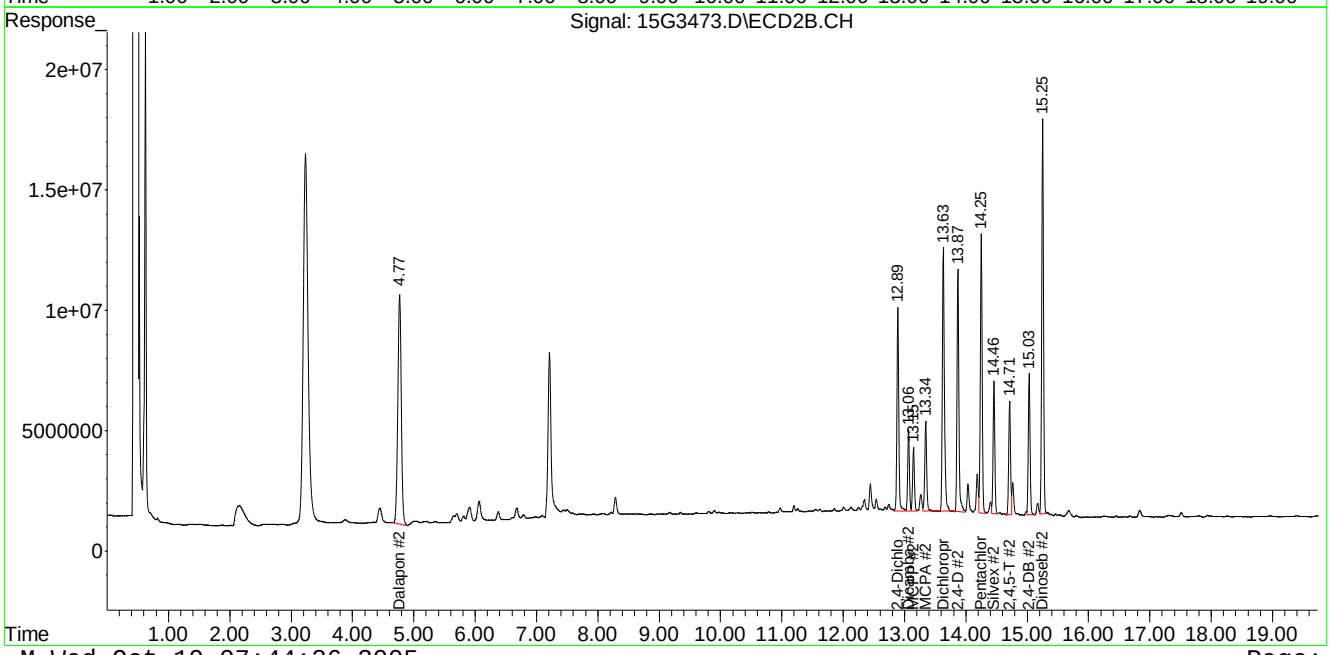
Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\101805\
Data File : 15G3473.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Oct 2005 18:14 (#1); 18 Oct 2005 18:41 (#2)
Operator : HAV
Sample : WG198828-02 LCS 250-124
Misc : 7,1 soil
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 19 07:44:25 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Oct 19 07:35:14 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\101705\
Data File : 15G3468.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Oct 2005 12:48 (#1); 17 Oct 2005 13:15 (#2)
Operator : ECL
Sample : WG198702-03 LCS DUP V250 P107
Misc : 7,1 SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 17 13:44:49 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Sep 21 08:45:04 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
2) S	2,4-Dichlorophen	12.00	12.89	66032310	66556520	181.684	136.047	#
	Spiked Amount 500.000				Recovery =	36.34%	27.21%	
	Target Compounds							
1)	Dalapon	4.15	4.77f	101.5E6	183.6E6	253.081	312.224	
3)	MCPA	12.49	13.34	27609578	32235099	17.619	14.464	
4)	Dicamba	12.18	13.06	36512755	22920590	24.462	12.306	#
5)	MCPP	12.35	13.14f	21398381	23100420	21.101	15.469	#
6)	Dichloroprop	12.81	13.63	80008128	106.3E6	207.395	216.915	
7)	2,4-D	13.00	13.86	75185065	79373623	160.266	131.238	
8)	Pentachlorophenol	13.22	14.25f	106.9E6	93261083	15.549	11.927	
9)	Silvex	13.62	14.45	48504659	47551257	20.753	18.121	
10)	2,4,5-T	13.82	14.71	41354161	37722290	19.024	15.736	
11)	Dinoseb	14.88	15.24	114.5E6	127.0E6	92.217	87.262	
12)	2,4-DB	14.17	15.03	58436664	48335692	209.423	138.340	#

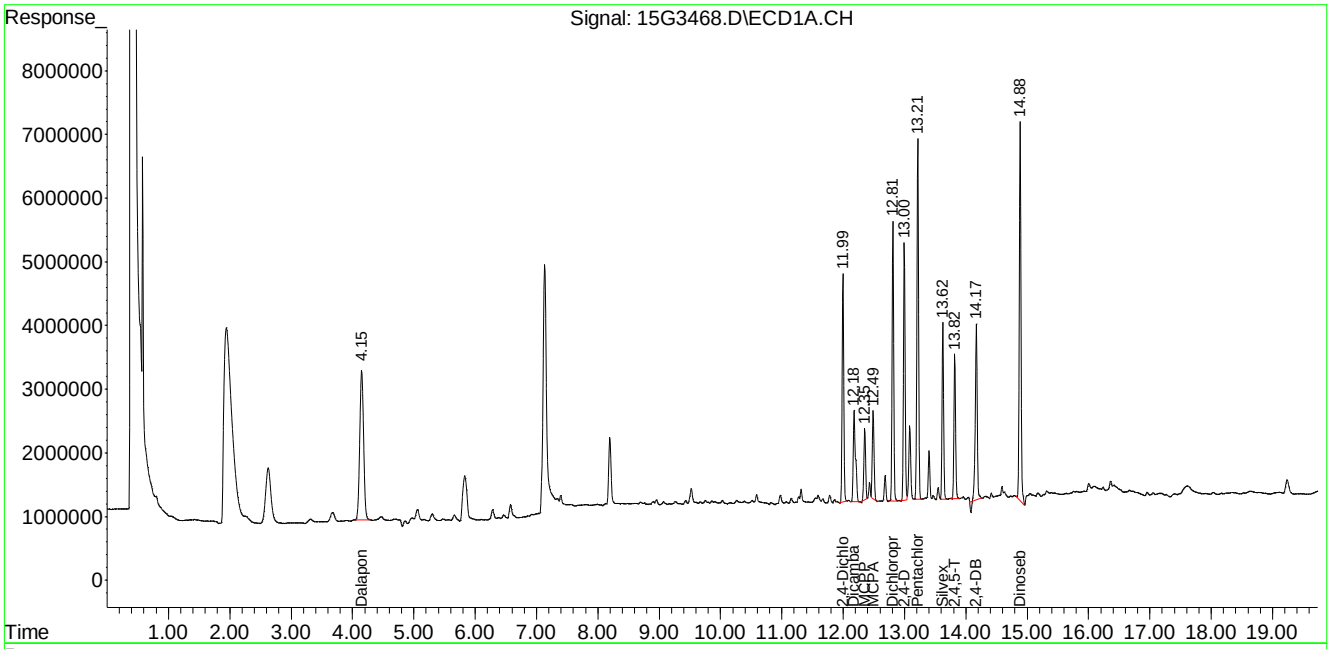
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

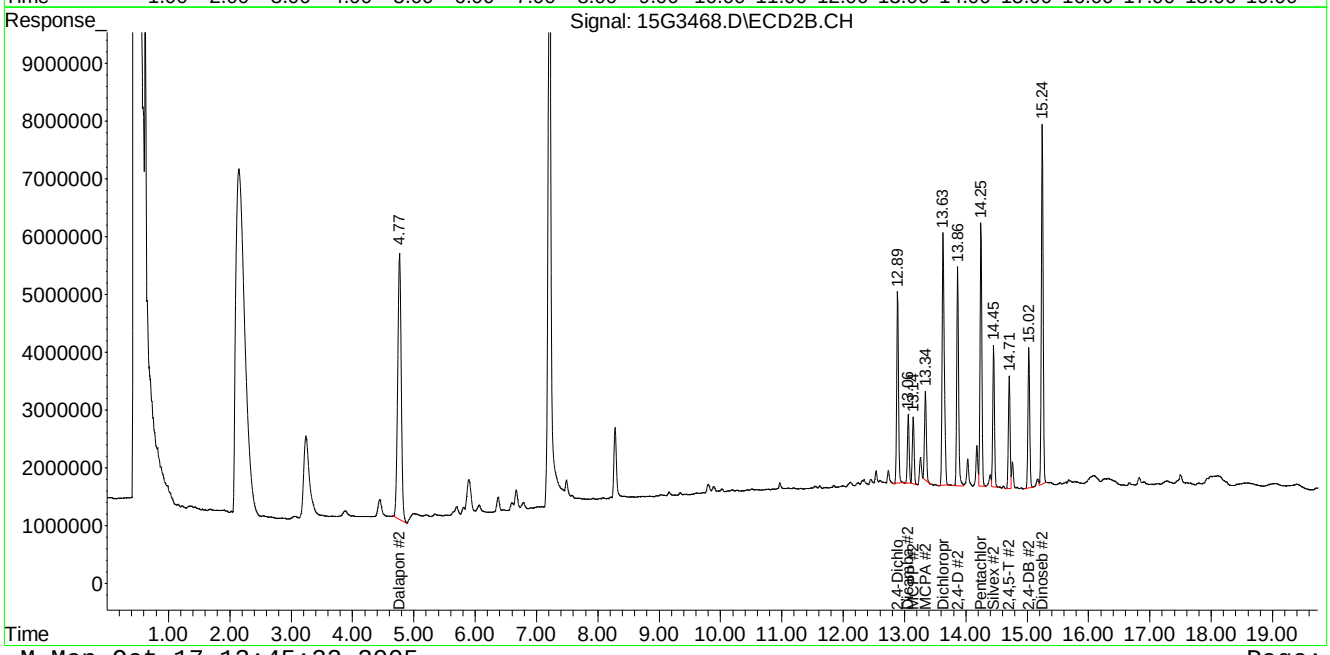
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\101705\
Data File : 15G3468.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Oct 2005 12:48 (#1); 17 Oct 2005 13:15 (#2)
Operator : ECL
Sample : WG198702-03 LCS DUP V250 P107
Misc : 7,1 SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 17 13:44:49 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Sep 21 08:45:04 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\101805\
Data File : 15G3474.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Oct 2005 18:41 (#1); 18 Oct 2005 19:08 (#2)
Operator : HAV
Sample : WG198828-03 LCS2 250-125
Misc : 7,1 soil
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 19 07:38:32 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Oct 19 07:35:14 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
2) S	2,4-Dichlorophen	12.00	12.89	123.9E6	155.9E6	340.804	318.643	
	Spiked Amount 500.000			Recovery =		68.16%	63.73%	
	Target Compounds							
1)	Dalapon	4.15	4.77	166.7E6	300.8E6	415.643	511.599	
3)	MCPA	12.49	13.34	46436323	70212203	29.633	31.506	
4)	Dicamba	12.18	13.06	65527968	59573667	43.901	31.984	#
5)	MCPP	12.35	13.14	36319896	48121429	35.815	32.225	
6)	Dichloroprop	12.81	13.63	147.4E6	225.6E6	382.179	460.210	
7)	2,4-D	13.00	13.87	146.1E6	193.0E6	311.351	319.182	
8)	Pentachlorophenol	13.22	14.25	203.9E6	215.4E6	29.668	27.548	
9)	Silvex	13.62	14.46	81822780	100.2E6	35.008	38.187	
10)	2,4,5-T	13.82	14.71	72296840	86762544	33.258	36.194	
11)	Dinoseb	14.88	15.25	220.8E6	296.0E6	177.867	203.289	
12)	2,4-DB	14.17	15.03	95954855	110.3E6	343.879	315.709	

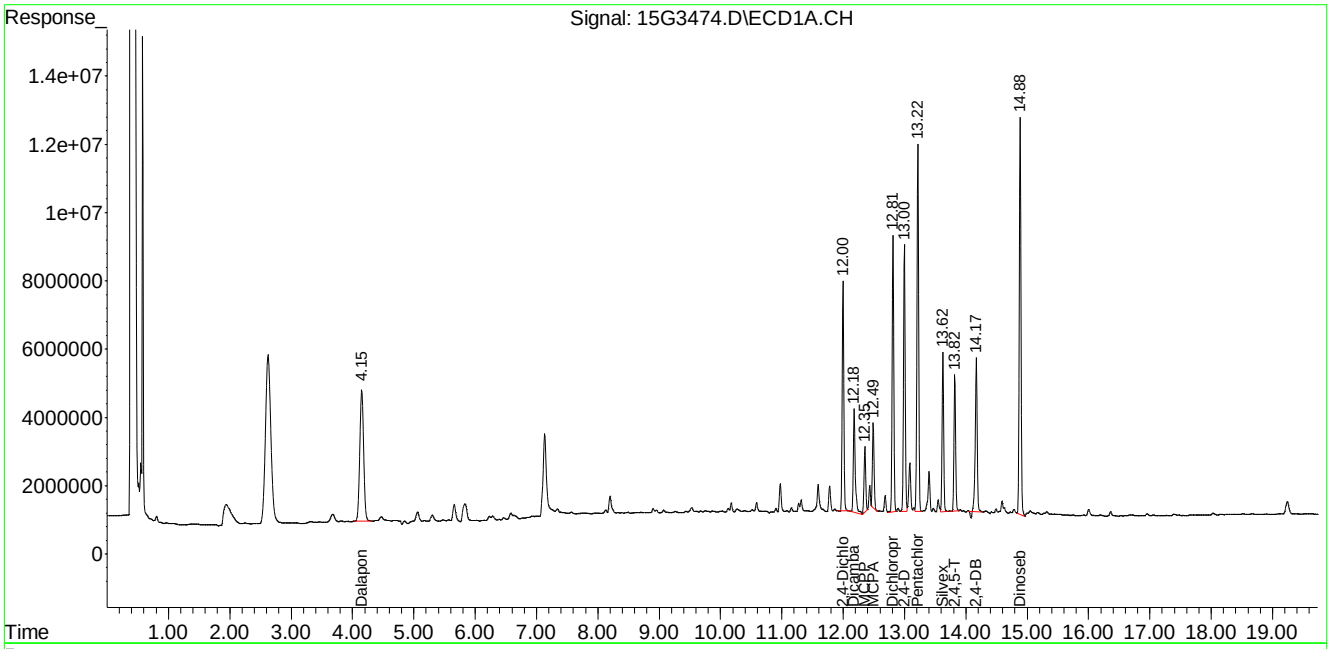
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

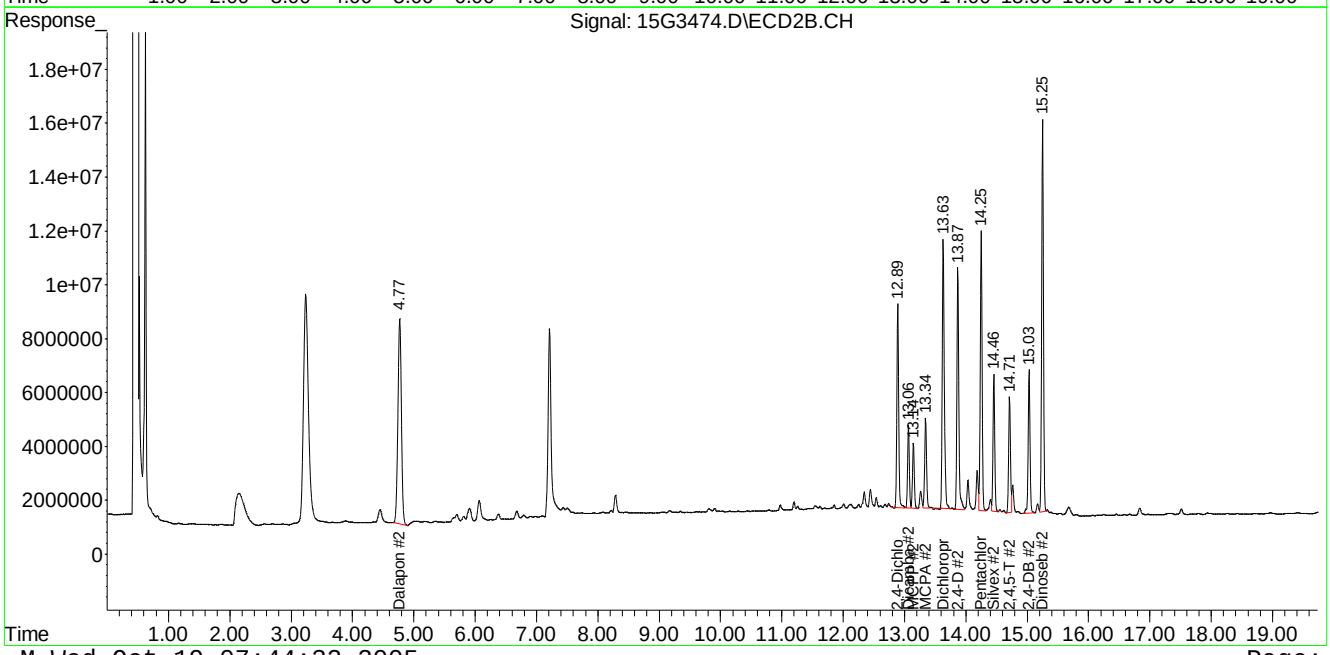
Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\101805\
Data File : 15G3474.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Oct 2005 18:41 (#1); 18 Oct 2005 19:08 (#2)
Operator : HAV
Sample : WG198828-03 LCS2 250-125
Misc : 7,1 soil
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 19 07:38:32 2005
Quant Method : C:\MSDCHEM\1\METHODS\8151.M
Quant Title : CALIBRATION September 20, 2005 @ 15:49
QLast Update : Wed Oct 19 07:35:14 2005
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





2.2.6 FLA-PRO GC Data (8015)

2.2.6.1 QC Summary

KEMRON ENVIRONMENTAL SERVICES
GC PRO RANGE ORGANICS

KEMRON Login No.: L0510264

METHOD

Preparation: SW- 846 3550B(Soils) 3510C(Waters)

Analysis: SW-846 8015

HOLDING TIMES

Sample Preparation: All holding times were met

Sample Analysis: All holding times were met

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: For all compounds which yielded a %RSD greater than 20 %, linear or higher order equations were applied. All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibration: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Matrix Spike: The MS/MSD results were not associated with sample delivery group.

SAMPLES

Samples: All acceptance criteria were met.

Surrogates: All acceptance criteria were met.

Manual Integration Reason Codes

KEMRON laboratory management has identified four general cases with valid reasons supporting the use of manual integration techniques.

Reason #1: Data System Fails to Select Correct Peak
In some cases the chromatography system selects and integrates the ”wrong peak”. In this case the analyst must correct the selection and force the system to integrate the proper peak. Other times the system may miss the peak completely.

Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak.
This phenomena is common at low concentrations where the signal:noise ratio is low. A single compound (peak) is incorrectly split into multiple peaks or integrated as a main peak with one or more rider peaks resulting in low area counts for the target compound.

Reason #3: Improperly Integrated Isomers and/or coeluting compounds.
This system often fails to distinguish coeluting compounds and or isomers. The integration areas and concentrations are wrong, and they must be corrected by manual integration. Prime examples are benzo(k)fluoranthene and benzo(b)fluoranthene which are often unresolved and integrated improperly when both are present at low concentrations in standards or samples.

Reason #4: System Establishes Incorrect Baseline
There are numerous situations in chromatography where the system establishes the baseline incorrectly. Some baseline errors will be obvious to the analyst and should be corrected via manual procedures.

Reason #5: Miscellaneous
Other situations involving integration errors may require in-depth review and technical judgment. These cases should be brought to the attention of the laboratory management. If the form of manual integration is not clearly covered by these four cases, then review and approval by the Laboratory Director or the QA/QC Supervisor will be required.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: HAV

Approved: 18-OCT-05

Figure 1
Semi-Volatile GC Checklist

07 CLC 10-10-05

Run Date: 10-10-05

Analyst: HV

Instrument: HP14

Method: 8015 DRD

DRD (c)

Login no.	Due Date	Priority
LD510103	10/20	
LD510104	10/10	P1
LD510105	10/10	P1
LD510151	10/12	P1
LD510152	10/12	P1

		Analyst	Peer
System Performance Check:	Endrin/DDT Breakdown		
Initial Calibration:	ICAL summary		
	Linear or quadratic regression		
	Alt Source Check		
Continuing Calibration:	Continuing Calibration	✓	✓
	Ending standards	✓	✓
	Client Specific Requirements	✓	✓
	Special Standards	✓	✓
Blanks:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
LCS/LCS DUP:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
	Spike Compounds	✓	✓
	MS/MSD		
Samples:	Quant Reports/Chromatograms	✓	✓
	Mass spectra		
	Surrogates	✓	✓
	Dilution runs	✓	✓
	Confirmations		
	Correct Factors		
	Manual integrations		
Data Package:	Run logs	✓	✓
	Bench sheets	✓	✓
	Upload results	✓	✓
	QC forms	✓	✓
	Seedpak workgroups	✓	✓
Client Data	Data scanned	✓	
	Integrations digitally signed		
	Level 2 pdf files	✓	
	Level 3/Level x		
	Level 4 copies		
	Case narratives	✓	

	Supervisor
Integrations digitally cosigned	
Corrective Action	
Results Reporting/Data Qualifiers	✓
Client Data/digital signatures	
Check for Completeness	✓
Check for compliance with method and project requirements	✓
Check the reasonableness of results	✓

√ = Checked & OK

NA = Not Applicable

Comments:

KG198173
LD510103 Lvl. 4
LD510104 "
LD510105 "

WG198306
LD510151 Lvl. 4
Needed a dil.
LD510151-01 50X
LD510152 Lvl. 4

Primary Reviewer: HV 10/10/05

Secondary Reviewer: mk 10/10/05

Figure 1
Semi-Volatile GC Checklist

Run Date: 10-13-05

Analyst: HV

Instrument: HP 14

Method: 8015PRO

Login no.	Due Date	Priority
FLA-PRO (5) 105102555	10/13	P1
" 105102564	10/19	P1

		Analyst	Peer
System Performance Check:	Endrin/DDT Breakdown		
Initial Calibration:	ICAL summary		
	Linear or quadriatic regression		
	Alt Source Check		
Continuing Calibration:	Continuing Calibration	✓	✓
	Ending standards	✓	✓
	Client Specific Requirements		
	Special Standards		
Blanks:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
LCS/LCS DUP:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
	Spike Compounds	✓	✓
	MS/MSD		
Samples:	Quant Reports/Chromatograms	✓	✓
	Mass spectra		
	Surrogates	✓	✓
	Dilution runs	✓	✓
	Confirmations		
	Correct Factors		
	Manual integrations		
Data Package:	Run logs	✓	✓
	Bench sheets	✓	✓
	Upload results	✓	✓
	QC forms	✓	✓
	Seedpak workgroups	✓	✓
Client Data	Data scanned		
	Integrations digitally signed		
	Level 2 pdf files	✓	
	Level 3/Level x		
	Level 4 copies		
	Case narratives	✓	

	Supervisor
Integrations digitally cosigned	
Corrective Action	
Results Reporting/Data Qualifiers	✓
Client Data/digital signatures	
Check for Completeness	✓
Check for compliance with method and project requirements	✓
Check the reasonableness of results	✓

√ = Checked & OK

NA = Not Applicable

Comments:

WG198635

105102555 Lvl. 4

105102564 Lvl. 4

Primary Reviewer: HV 10/14/05

Secondary Reviewer: [illegible]

Example DRO Calculations

1.0 Calculating the Response Factor (RF) from the initial calibration (ICAL) data:

$$RF = \frac{A_s}{C_s}$$

where:	Example:
A_s = Area of the compound being measured in the standard	10000
C_s = concentration of the compound being measured ($\mu g/L$)	100
	RF = 100

2.0 Calculating the concentration (C) of a compound in water using data from prep log and quantitation report:

$$C = \frac{(A_x)(V_f)(D)}{(RF)(V_i)}$$

where:	Example:
A_x = Area of the compound being measured	10000
V_f = Final volume of sample extract (mL) (prep log)	1
D = Dilution factor for sample as a multiplier (10X = 10)	1
RF = Response factor from ICAL calculated above	100
V_i = Initial volume of sample (ml) (prep log)	1000
	C ($\mu g/l$) = 0.1

3.0 Calculating the concentration (C) of a compound in soil using data from prep log and quantitation report:

$$C = \frac{(A_x)(V_f)(D)}{(RF)(W_i}$$

where:	Example:
A_x = Area of the compound being measured	10000
V_f = Final volume of sample extract (mL) (prep log)	1
D = Dilution factor for sample as a multiplier (10X = 10)	1
RF = Response factor from ICAL calculated above	100
W_i = Initial weight of sample (g) (prep log)	25
	C ($\mu g/kg$) = 4

R987975

Sample Extract Log Sheet

KEMRON ENVIRONMENTAL SERVICES

Parameter: PRO-Soil SOP #: EXP10 Revision #: 6
Extraction Analyst(s): PAS, CPD TV/KD Analyst(s): PAS
Date/Time Extracted: 10/13 15 @ 1315 Date TV/KD: 10/13/5
Spike/Surrogate Analyst: CPD Witness: CEB
Surrogate #: STD10057 Earliest Hold Date: 10/26
Spike #: A = STD10038 Spike #: B = —

Extraction Work Group WG A98584
Extract Relinquished By: PAS
Extract Received By & Date: HV 10/13/05

	Sample ID	Test Code	pH / <2	pH / N	pH / >12	Initial Vol / Wt	Amount Surrogate	Amount Spike	Final Volume	Extract Color	Emulsions / A	Emulsions / BN	Emulsions / N	Comments
1	Blank					25.00g	1mL		1mL	C				WG A98584-01
2	LCS					↓	↓	1mL	↓	C				WG ↓ -02
3	LCS DUP					↓	↓	↓	↓	C				WG ↓ -03
4	10-255-01	FLA-PRO				25.76g	↓		↓	O				Multi-Liquid Material
5	10-264-01	↓				25.26g	↓		↓	C				
6	-02	↓				25.32g	↓		↓	O				
7	-03	↓				25.32g	↓		↓	C				
8	-04	↓				25.72g	↓		↓	C				
9														
10														
11														
12														
13														
14														
15							PAS 10/13/5							
16														
17														
18														
19														
20														
21														
22														
23														
24														

Methylene Chloride Lot #: B27E23
Hexane Lot #: —
Ether Lot #: —
Methanol Lot #: —
Solvent: — Lot #: —
Reagent: LABSpad Lot #: B10663
Reagent: Florisil/Na2SO4 Lot #: B31A04
Reagent: — Lot #: —
Acid: — Lot #: —
Florisil Lot #: —
Silica Gel Lot #: B08554
IR Analyst / Date / Time: —
Dried Na_2SO_4 Lot #: FR0016-71

Color Code
T = Transparent
C = Colored
O = Opaque

SW-846 Method			On	Off	On	Off
Continuous	3520C					
Soxhlet	3540C					
ASE*	3545					
Sep Funnel	3510C					
Sonication	3550B	✓				
Waste	3580A					

* Accelerated Solvent Extractor (ASE)

Clean-ups			
Florisil 3620B		GPC 3640A	
Silica Gel 3630C	✓	Other	
Acid 3665A		N/A	
Sulfur 3660B			

Peer Reviewed By: Chelwick Davis Date: 10/13/05

Extraction Notes For Volume # 250 Page # 95

General Comments: NONE

Extraction Anomalies: NONE

Concentration Anomalies: NONE

Clean-Up Anomalies: NONE

Supervisor Review: _____ Date: _____

Instrument: HP14 Dataset: 100705
Analyst 1: HAV Analyst 2: NA
Method: 8015B-DRO SOP: GCSOP2 Rev: 8

Column 1 ID: RTX-CLP Column 2 ID: __

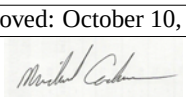
Seq.	File ID	Sample Info	Mat	Dil	Reference	Date/Time
1.	14G6092	ch2cl2	1	1	SOS75-38	10/07/05 09:49
2.	14G6093	WG198206-01 PRO STD @600ppm	1	1	SOS75-38	10/07/05 10:23
3.	14G6094	WG198206-02 PRO STD @400ppm	1	1	SOS75-38	10/07/05 10:57
4.	14G6095	WG198206-03 PRO STD @200ppm	1	1	SOS75-38	10/07/05 11:31
5.	14G6096	WG198206-04 PRO STD @100ppm	1	1	SOS75-38	10/07/05 12:05
6.	14G6097	WG198206-05 PRO STD @50ppm	1	1	SOS75-38	10/07/05 12:39
7.	14G6098	WG198206-06 PRO STD @5ppm	1	1	SOS75-38	10/07/05 13:13
8.	14G6099	WG198206-07 ALT PRO @200ppm	1	1	SOS73-25	10/07/05 13:48
9.	14G6100	Motor Oil @1000ppm*	1	1		10/07/05 14:22
10.	14G6101	Lube Oil @1000ppm*	1	1		10/07/05 14:56
11.	14G6102	WG198267-01 DRO CCV @1000ppm	1	1		10/07/05 15:30
12.	14G6103	Fuel Oil @2000ppm*	1	1		10/07/05 16:04
13.	14G6104	WG198130-01 BLANK V250-P43	7	1		10/07/05 16:39
14.	14G6105	WG198130-02 LCS V250-P43	7	1		10/07/05 17:13
15.	14G6106	WG198130-03 LCS DUP V250-P43	7	1		10/07/05 17:48
16.	14G6107	L0510104-01	7	1		10/07/05 18:22
17.	14G6108	WG198182-01 BLANK V250-P51	7	1		10/07/05 18:56
18.	14G6109	WG198182-02 LCS V250-P51	7	1		10/07/05 19:30
19.	14G6110	L0510152-01	7	1		10/07/05 20:04
20.	14G6111	WG198182-03 LCS DUP V250-P51	7	1		10/07/05 20:38
21.	14G6112	ch2cl2	7	1		10/07/05 21:12
22.	14G6113	WG198267-02 DRO CCV @1000ppm	1	1		10/07/05 21:45
23.	14G6114	L0510103-01 50x*	7	50		10/07/05 22:19
24.	14G6115	L0510103-02 50x	7	50		10/07/05 22:52
25.	14G6116	L0510103-03 50x*	7	50		10/07/05 23:26
26.	14G6117	L0510103-04 50x*	7	50		10/08/05 00:00
27.	14G6118	L0510103-05 50x*	7	50		10/08/05 00:34
28.	14G6119	L0510105-01 50x	7	50		10/08/05 01:07
29.	14G6120	L0510151-01 20x*	7	20		10/08/05 01:41
30.	14G6121	L0510151-02 10x	7	10		10/08/05 02:15
31.	14G6122	ch2cl2	1	1		10/08/05 02:49
32.	14G6123	WG198267-03 DRO CCV @1000ppm	1	1		10/08/05 03:22
33.	14G6124	L0510103-01 10x	7	10		10/08/05 03:55
34.	14G6125	L0510103-02 10x*	7	10		10/08/05 04:29
35.	14G6126	L0510103-03 10x	7	10		10/08/05 05:03
36.	14G6127	L0510103-04 10x	7	10		10/08/05 05:37
37.	14G6128	L0510103-05 10x	7	10		10/08/05 06:10
38.	14G6129	L0510105-01 10x*	7	10		10/08/05 06:44
39.	14G6130	L0510151-01 10x*	7	10		10/08/05 07:18
40.	14G6131	L0510151-02 2x*	7	2		10/08/05 07:52
41.	14G6132	KEROSINE @1000ppm*	1	1		10/08/05 08:26
42.	14G6133	ch2cl2	1	1		10/08/05 08:59
43.	14G6134	WG198267-04 DRO CCV @1000ppm	1	1		10/08/05 09:33

Approved: October 10, 2005

Seq.	File ID	Sample Info	Mat	Dil	Reference	Date/Time

[8.] Used for qualitative only.
[9.] Used for qualitative only.
[11.] Used for qualitative only.
[22.] Not used.
[24.] Not used.
[25.] Not used.
[26.] Not used.
[28.] Needed RR @50x.
[33.] Not used.
[37.] Not used.
[38.] Needed RR @50x.
[39.] Not used.
[40.] Used for qualitative only.

Approved: October 10, 2005



Instrument: HP14 Dataset: 101305
Analyst 1: HAV Analyst 2: NA
Method: FLA-PRO SOP: GCSOP3 Rev: 4

Column 1 ID: RTX-CLP Column 2 ID: __

Seq.	File ID	Sample Info	Mat	Dil	Reference	Date/Time
1.	14G6181	ch2cl2	1	1		10/13/05 14:54
2.	14G6182	WG198636-01 PRO CCV @200ppm	1	1		10/13/05 15:28
3.	14G6183	WG198584-01 BLANK V250-P95	7	1		10/13/05 16:05
4.	14G6184	WG198584-02 LCS V250-P95	7	1		10/13/05 16:39
5.	14G6185	WG198584-03 LCS DUP V250-P95	7	1		10/13/05 17:13
6.	14G6186	L0510255-01 5x*	7	5		10/13/05 17:47
7.	14G6187	L0510264-01 5x*	7	5		10/13/05 18:22
8.	14G6188	L0510264-02 5x*	7	5		10/13/05 18:56
9.	14G6189	L0510264-03 5x*	7	5		10/13/05 19:30
10.	14G6190	L0510264-04 5x*	7	5		10/13/05 20:04
11.	14G6191	ch2cl2	1	1		10/13/05 20:38
12.	14G6192	WG198636-02 PRO CCV @200ppm	1	1		10/13/05 21:12
13.	14G6193	L0510255-01	7	1		10/13/05 21:46
14.	14G6194	L0510264-01	7	1		10/13/05 22:20
15.	14G6195	L0510264-02	7	1		10/13/05 22:54
16.	14G6196	L0510264-03	7	1		10/13/05 23:28
17.	14G6197	L0510264-04	7	1		10/14/05 00:01
18.	14G6198	ch2cl2	7	5		10/14/05 00:35
19.	14G6199	WG198636-03 PRO CCV @200ppm	1	1		10/14/05 01:09

Comments.
Changed liner and septum.
6. Not used.
7. Not used.
8. Not used.
9. Not used.
10. Not used.

Approved: October 14, 2005

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

Analytical Method: 8015MOD AAB#: WG198635

Login Number: L0510264

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
41-BG1-S-1012-05	10/12/05	10/13/05	10/13/05	14	0.993	10/13/05	40	0.378	
41-BG2-S-1012-05	10/12/05	10/13/05	10/13/05	14	0.979	10/13/05	40	0.402	
41-BF2-S-1012-05	10/12/05	10/13/05	10/13/05	14	0.910	10/13/05	40	0.426	
41-TS2-S-1012-05	10/12/05	10/13/05	10/13/05	14	0.899	10/14/05	40	0.449	

* EXT = SEE PROJECT QAPP REQUIREMENTS
*ANAL = SEE PROJECT QAPP REQUIREMENTS

KEMRON FORMS - Modified 11/05/2004
Version 1.5 PDF File ID: 335265
Report generated 10/14/2005 12:17

KEMRON Environmental Services

SURROGATE STANDARDS

Login Number: L0510264
Instrument Id: HP14
Workgroup (AAB#): WG198635

Method: FLA-PRO
CAL ID: HP14-07-OCT-05
Matrix: SOLID

Sample Number	Dilution	Tag	1
L0510264-01	1.00	01	91.5
L0510264-02	1.00	01	112
L0510264-03	1.00	01	90.9
L0510264-04	1.00	01	107
WG198584-01	1.00	01	89.5
WG198584-02	1.00	01	103
WG198584-03	1.00	01	92.1

Surrogates	Surrogate Limits		
1 - o-Terphenyl	43	-	136

Underline = Result out of surrogate limits

DL = surrogate diluted out
ND = surrogate not detected

KEMRON FORMS - Modified 05/17/2005
Version 1.5 PDF File ID: 335272
Report generated 10/14/2005 12:18

KEMRON Environmental Services

METHOD BLANK SUMMARY

Login Number: L0510264
Blank File ID: 14G6183
Date Analyzed: 10/13/05
Time Analyzed: 16:05
Analyst: HV

Work Group: WG198635
Blank Sample ID: WG198584-01
Instrument ID: HP14
Method: 8015MOD

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG198584-02	14G6184	10/13/05 16:39	01
LCS2	WG198584-03	14G6185	10/13/05 17:13	01
41-BG1-S-1012-05	L0510264-01	14G6194	10/13/05 22:20	01
41-BG2-S-1012-05	L0510264-02	14G6195	10/13/05 22:54	01
41-BF2-S-1012-05	L0510264-03	14G6196	10/13/05 23:28	01
41-TS2-S-1012-05	L0510264-04	14G6197	10/14/05 00:01	01

KEMRON FORMS - Modified 05/18/2005
Version 1.5 PDF File ID: 335266
Report generated 10/14/2005 12:17

KEMRON Environmental Services

METHOD BLANK REPORT

Login Number: L0510264 Run Date: 10/13/2005 Sample ID: WG198584-01
Instrument ID: HP14 Run Time: 16:05 Prep Method: 3550B
File ID: 14G6183 Analyst: HV Method: 8015MOD
Workgroup (AAB#): WG198635 Matrix: Soil Units: ug/kg
Contract #: Cal ID: HP14-07-OCT-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
TRPH-Florida PRO	5000	10000	5860	1	J

Surrogates	% Recovery	Surrogate Limits	Qualifier
o-Terphenyl	89.5	43 - 136	PASS

MDL Method Detection Limit
RL Reporting/quantitation Limit
* Analyte concentration > RL
ND Analyte Not detected at or above reporting limit

KEMRON FORMS - Modified 05/17/2005
Version 1.5 PDF File ID: 335270
Report generated 10/14/2005 12:17

KEMRON Environmental Services

LABORATORY CONTROL SAMPLES

Login Number: L0510264 Analyst: HV Prep Method: 3550B
Instrument ID: HP14 Matrix: Soil Method: 8015MOD
Workgroup (AAB#): WG198635 Units: ug/kg
Sample ID: WG198584-02 LCS File ID: 14G6184 Run Date: 10/13/2005 16:39
Sample ID: WG198584-03 LCS2 File ID: 14G6185 Run Date: 10/13/2005 17:13

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
TRPH-Florida PRO	136000	107000	78.5	136000	93800	68.9	13.0	63 - 153	20	

Surogates	LCS	LCS2	Surrogate Limits	Qualifier
	% Recovery	% Recovery		
o-Terphenyl	103	92.1	43 - 136	PASS

* FAILS %REC LIMIT

FAILS RPD LIMIT

KEMRON FORMS - Modified 01/03/2005
Version 1.5 PDF File ID: 335271
Report generated 10/14/2005 12:18

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264

Analytical Method: 8015MOD

ICAL Workgroup: WG198206

Instrument ID: HP14

Initial Calibration Date: 07-OCT-05

Analyte		AVG RF	% RSD	R2	QUAD
Petroleum Range		2248000	13.7		

KEMRON FORMS - Modified 10/02/2005
Version 1.5 PDF File ID: 335267
Report generated 10/14/2005 12:18

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 Instrument ID: HP14

Analytical Method: 8015MOD Initial Calibration Date: 07-OCT-05

Analyte	WG198206-01			WG198206-02		
	CONC	RESP	RF	CONC	RESP	RF
Petroleum Range	10200	22433984709	2199000	6800	14243761691	2095000

KEMRON FORMS - Modified 11/08/2004
Version 1.5 PDF File ID: 335267
Report generated 10/14/2005 12:18

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 Instrument ID: HP14

Analytical Method: 8015MOD Initial Calibration Date: 07-OCT-05

Analyte	WG198206-03			WG198206-04		
	CONC	RESP	RF	CONC	RESP	RF
Petroleum Range	3400	7783473399	2289000	1700	3207692724	1887000

KEMRON FORMS - Modified 11/08/2004
Version 1.5 PDF File ID: 335267
Report generated 10/14/2005 12:18

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 Instrument ID: HP14

Analytical Method: 8015MOD Initial Calibration Date: 07-OCT-05

Analyte	WG198206-05			WG198206-06		
	CONC	RESP	RF	CONC	RESP	RF
Petroleum Range	850	1874434391	2205000	85.0	238841307	2810000

KEMRON FORMS - Modified 11/08/2004
Version 1.5 PDF File ID: 335267
Report generated 10/14/2005 12:18

KEMRON Environmental Services

ALTERNATE SOURCE CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/07/2005 Sample ID: WG198206-07
Instrument ID: HP14 Run Time: 13:48 Method: 8015MOD
File ID: 14G6099 Analyst: HV
ICal Workgroup: WG198206 Cal ID: HP14 - 07-OCT-05

Analyte		Expected	Found	RF	%D	UNITS	Q
Petroleum Range		3400	3390	2240000	.4	mg/L	

* Exceeds %D Limit

KEMRON FORMS - Modified 10/07/2005
Version 1.5 PDF File ID: 335268
Report generated 10/14/2005 12:18

KEMRON Environmental Services

CONTINUING CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/13/2005 Sample ID: WG198636-01
Instrument ID: HP14 Run Time: 15:28 Method: 8015MOD
File ID: 14G6182 Analyst: HV
Workgroup (AAB#): WG198635 Cal ID: HP14 - 07-OCT-05

Analyte		Expected	Found	RF	%D	UNITS	Q
Petroleum Range		3400	3290	2180000	3.2	mg/L	

* Exceeds %D Limit

KEMRON FORMS - Modified 03/21/2005
Version 1.3 PDF File ID: 335269
Report generated 10/14/2005 12:18

KEMRON Environmental Services

CONTINUING CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/13/2005 Sample ID: WG198636-02
Instrument ID: HP14 Run Time: 21:12 Method: 8015MOD
File ID: 14G6192 Analyst: HV
Workgroup (AAB#): WG198635 Cal ID: HP14 - 07-OCT-05

Analyte		Expected	Found	RF	%D	UNITS	Q
Petroleum Range		3400	2850	1880000	16.3	mg/L	*

* Exceeds %D Limit

KEMRON FORMS - Modified 03/21/2005
Version 1.3 PDF File ID: 335269
Report generated 10/14/2005 12:18

KEMRON Environmental Services

CONTINUING CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/14/2005 Sample ID: WG198636-03
Instrument ID: HP14 Run Time: 01:09 Method: 8015MOD
File ID: 14G6199 Analyst: HV
Workgroup (AAB#): WG198635 Cal ID: HP14 - 07-OCT-05

Analyte		Expected	Found	RF	%D	UNITS	Q
Petroleum Range		3400	3100	2050000	8.8	mg/L	

* Exceeds %D Limit

KEMRON FORMS - Modified 03/21/2005
Version 1.3 PDF File ID: 335269
Report generated 10/14/2005 12:18

2.2.6.2 Sample Data

Quantitation Report (Not Reviewed)

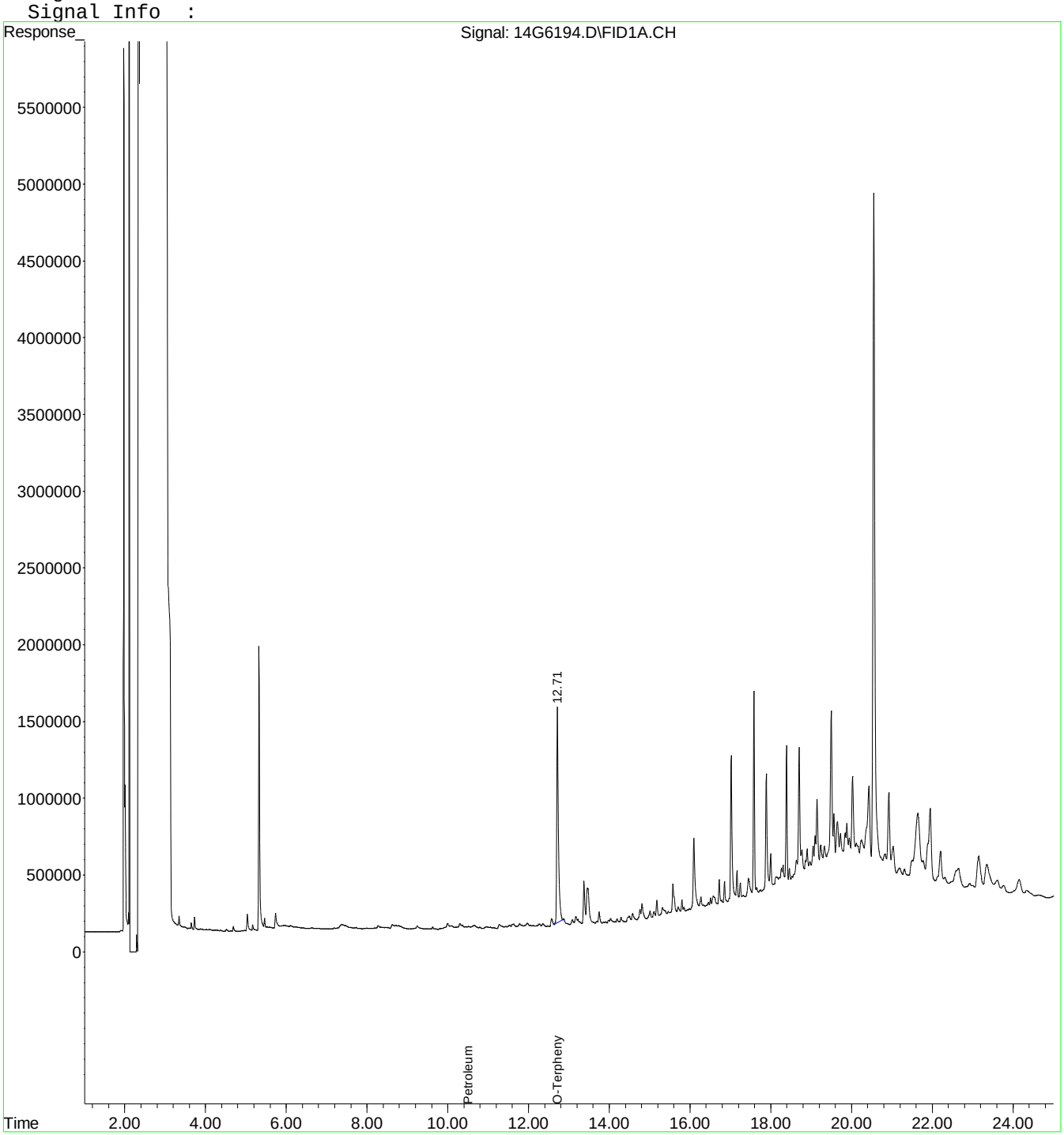
```
Data File : C:\MSDCHEM\1\DATA\101305\14G6194.D          Vial: 12
Acq On    : 13 Oct 2005  22:20                       Operator: HV
Sample    : L0510264-01                              Inst    : HP14
Misc      : 7,1 soil                                 Multiplr: 1.00
IntFile   : surr.e
Quant Time: Oct 14 08:56:01 2005  Quant Results File: PROFRNT.RES

Quant Method : C:\MSDCHEM\1\METHODS\PROFRNT.M (Chemstation Integrator)
Title        : ICAL WG198206 PRO 10/07/05 @13:13
Last Update  : Fri Oct 14 07:44:48 2005
Response via : Initial Calibration
DataAcq Meth : 8015PRO.M

Volume Inj.  :
Signal Phase :
Signal Info  :

     Compound                    R.T.       Response    Conc Units
  ---------------------------------------------------------------------------

  System Monitoring Compounds
 2) s   O-Terphenyl                12.71       39167070   18.298 ppb
Spiked Amount     20.000   Range  51 - 153    Recovery   =   91.49%
 3) s   n-nonatriacontane           0.00              0    N.D.

  Target Compounds
 1) h   Petroleum Range            10.50     1707166694  759.566 ppb
```

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101305\14G6194.D Vial: 12
Acq On : 13 Oct 2005 22:20 Operator: HV
Sample : L0510264-01 Inst : HP14
Misc : 7,1 soil Multiplr: 1.00
IntFile : surr.e
Quant Time: Oct 14 8:56 2005 Quant Results File: PROFRNT.RES

Quant Method : C:\MSDCHEM\1\METHODS\PROFRNT.M (Chemstation Integrator)
Title : ICAL WG198206 PRO 10/07/05 @13:13
Last Update : Fri Oct 14 07:44:48 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8015PRO.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

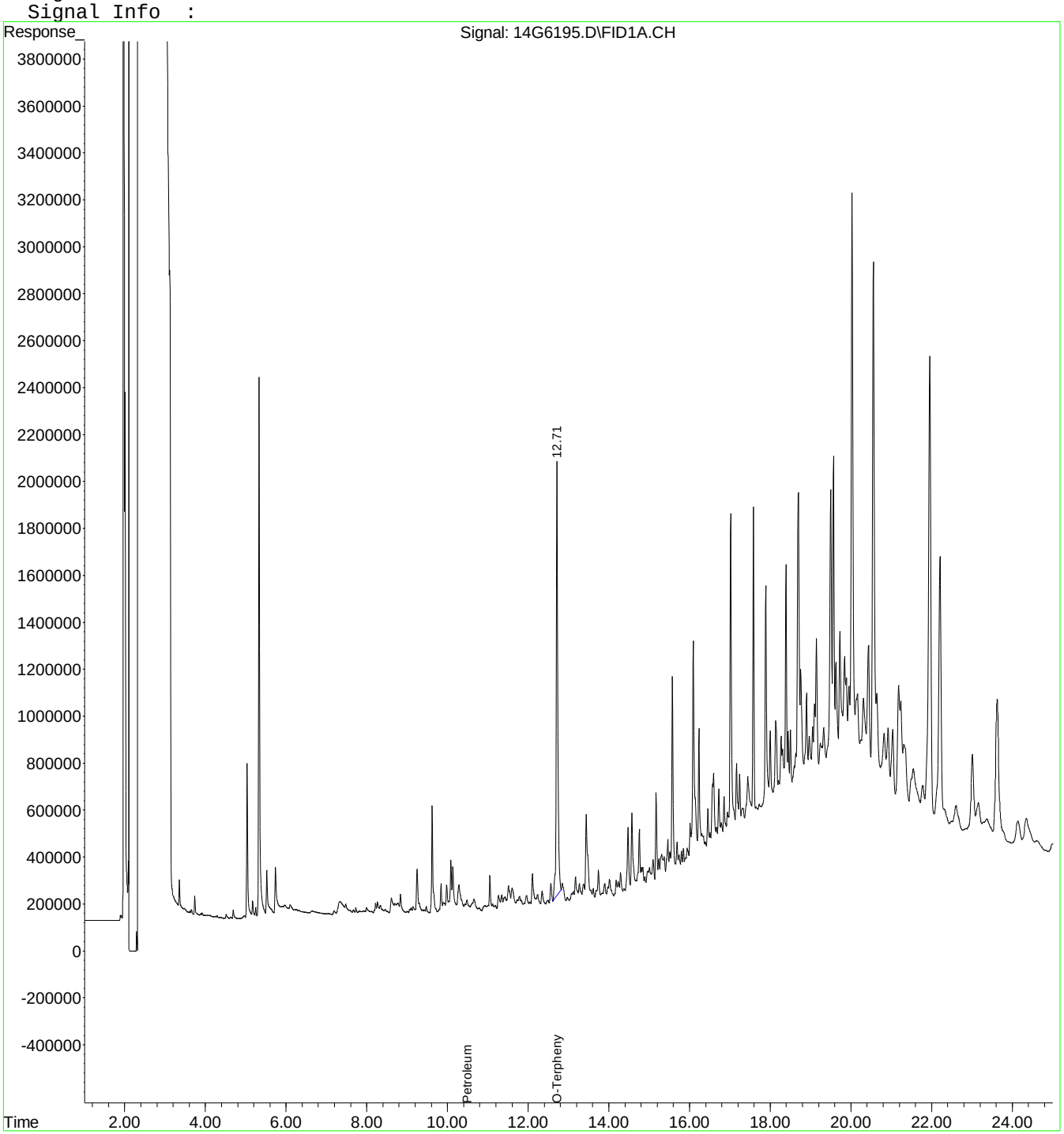
```
Data File : C:\MSDCHEM\1\DATA\101305\14G6195.D          Vial: 13
Acq On    : 13 Oct 2005  22:54                       Operator: HV
Sample    : L0510264-02                              Inst    : HP14
Misc      : 7,1 soil                                 Multiplr: 1.00
IntFile   : surr.e
Quant Time: Oct 14 08:56:09 2005  Quant Results File: PROFRNT.RES

Quant Method : C:\MSDCHEM\1\METHODS\PROFRNT.M (Chemstation Integrator)
Title        : ICAL WG198206 PRO 10/07/05 @13:13
Last Update  : Fri Oct 14 07:44:48 2005
Response via : Initial Calibration
DataAcq Meth : 8015PRO.M

Volume Inj.  :
Signal Phase :
Signal Info  :

     Compound                    R.T.       Response    Conc Units
---------------------------------------------------------------------------

System Monitoring Compounds
 2) s   O-Terphenyl                12.71       47887178   22.372 ppb
Spiked Amount     20.000   Range  51 - 153    Recovery   =  111.86%
 3) s   n-nonatriacontane           0.00              0    N.D.

Target Compounds
 1) h   Petroleum Range            10.50     2582825762 1149.171 ppb
```

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101305\14G6195.D Vial: 13
Acq On : 13 Oct 2005 22:54 Operator: HV
Sample : L0510264-02 Inst : HP14
Misc : 7,1 soil Multiplr: 1.00
IntFile : surr.e
Quant Time: Oct 14 8:56 2005 Quant Results File: PROFRNT.RES

Quant Method : C:\MSDCHEM\1\METHODS\PROFRNT.M (Chemstation Integrator)
Title : ICAL WG198206 PRO 10/07/05 @13:13
Last Update : Fri Oct 14 07:44:48 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8015PRO.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

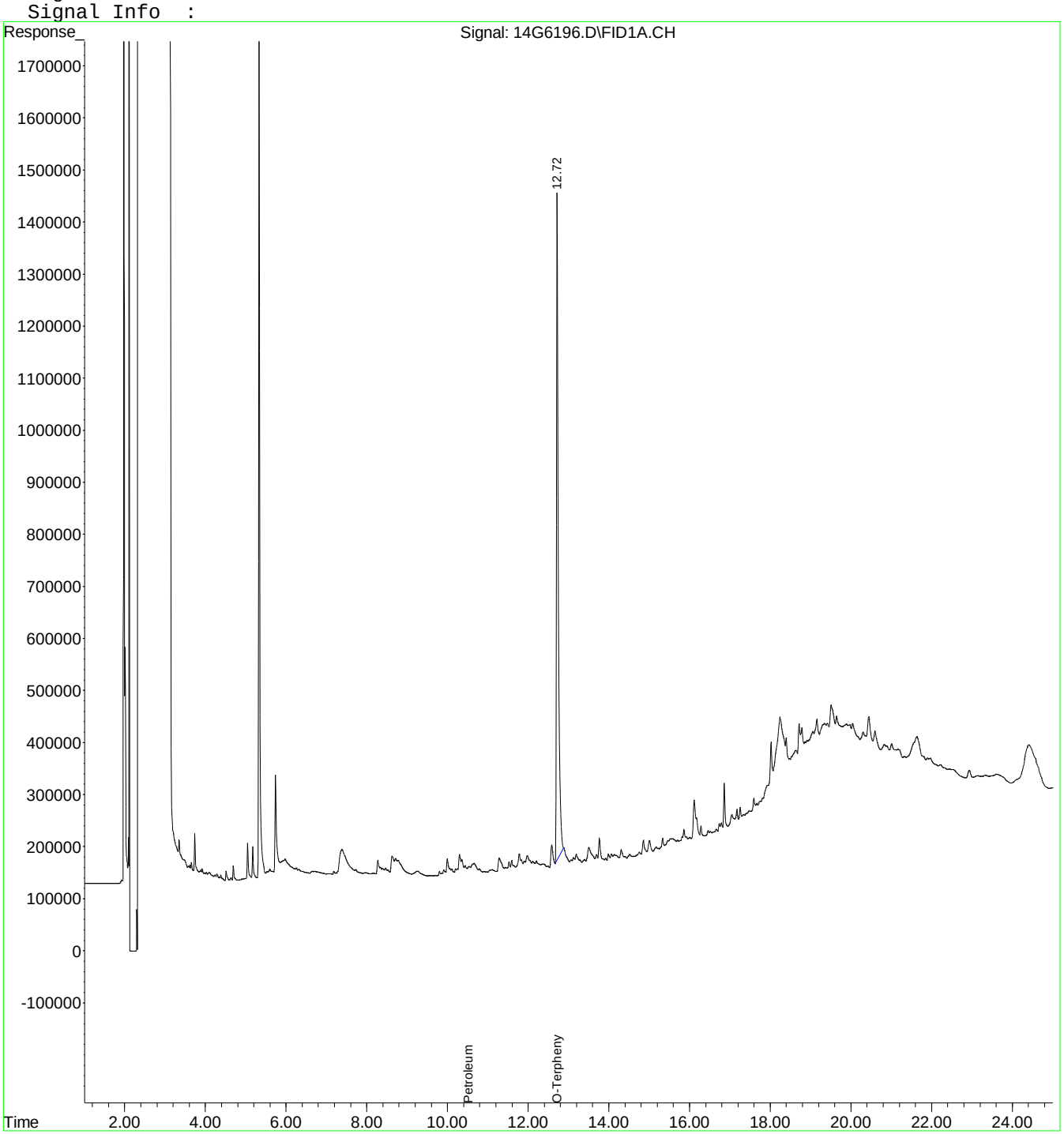
```
Data File : C:\MSDCHEM\1\DATA\101305\14G6196.D          Vial: 14
Acq On    : 13 Oct 2005  23:28                       Operator: HV
Sample    : L0510264-03                              Inst    : HP14
Misc      : 7,1 soil                                 Multiplr: 1.00
IntFile   : surr.e
Quant Time: Oct 14 08:56:18 2005  Quant Results File: PROFRNT.RES

Quant Method : C:\MSDCHEM\1\METHODS\PROFRNT.M (Chemstation Integrator)
Title        : ICAL WG198206 PRO 10/07/05 @13:13
Last Update  : Fri Oct 14 07:44:48 2005
Response via : Initial Calibration
DataAcq Meth : 8015PRO.M

Volume Inj.  :
Signal Phase :
Signal Info  :

     Compound                    R.T.       Response    Conc Units
  ---------------------------------------------------------------------------

  System Monitoring Compounds
 2) s   O-Terphenyl                12.72       38893043   18.170 ppb
Spiked Amount     20.000   Range  51 - 153    Recovery   =   90.85%
 3) s   n-nonatriacontane           0.00              0    N.D.

  Target Compounds
 1) h   Petroleum Range            10.50      483315570  215.041 ppb
```

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101305\14G6196.D Vial: 14
Acq On : 13 Oct 2005 23:28 Operator: HV
Sample : L0510264-03 Inst : HP14
Misc : 7,1 soil Multiplr: 1.00
IntFile : surr.e
Quant Time: Oct 14 8:56 2005 Quant Results File: PROFRNT.RES

Quant Method : C:\MSDCHEM\1\METHODS\PROFRNT.M (Chemstation Integrator)
Title : ICAL WG198206 PRO 10/07/05 @13:13
Last Update : Fri Oct 14 07:44:48 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8015PRO.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

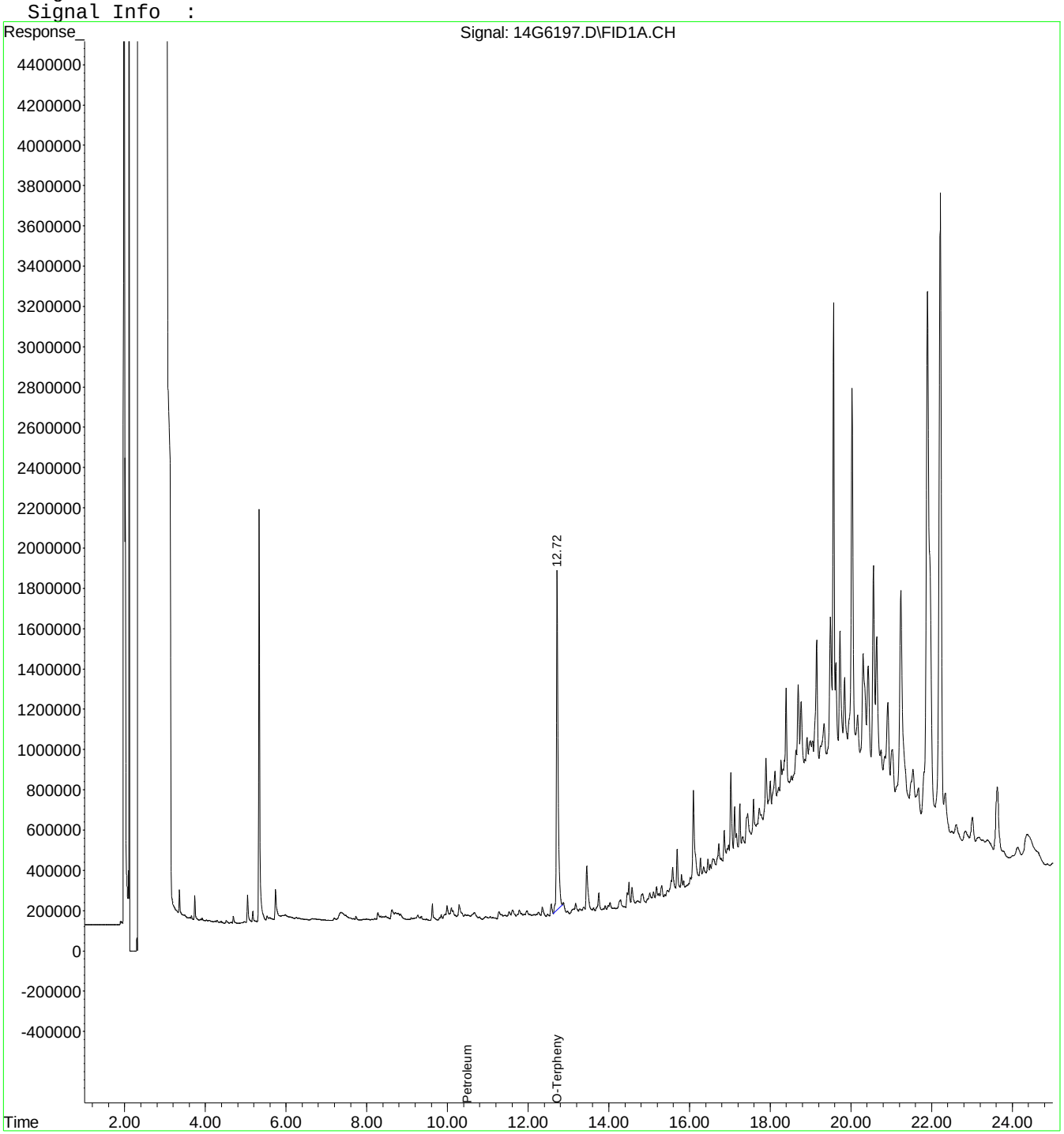
```
Data File : C:\MSDCHEM\1\DATA\101305\14G6197.D          Vial: 15
Acq On    : 14 Oct 2005  00:01                       Operator: HV
Sample    : L0510264-04                              Inst    : HP14
Misc      : 7,1 soil                                 Multiplr: 1.00
IntFile   : surr.e
Quant Time: Oct 14 08:56:26 2005  Quant Results File: PROFRNT.RES

Quant Method : C:\MSDCHEM\1\METHODS\PROFRNT.M (Chemstation Integrator)
Title        : ICAL WG198206 PRO 10/07/05 @13:13
Last Update  : Fri Oct 14 07:44:48 2005
Response via : Initial Calibration
DataAcq Meth : 8015PRO.M

Volume Inj.  :
Signal Phase :
Signal Info  :

     Compound                    R.T.       Response    Conc Units
---------------------------------------------------------------------------

System Monitoring Compounds
 2) s   O-Terphenyl                12.72       45729954   21.364 ppb
Spiked Amount     20.000   Range  51 - 153    Recovery   =  106.82%
 3) s   n-nonatriacontane           0.00              0    N.D.

Target Compounds
 1) h   Petroleum Range            10.50     2348741131 1045.020 ppb
```

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101305\14G6197.D Vial: 15
Acq On : 14 Oct 2005 00:01 Operator: HV
Sample : L0510264-04 Inst : HP14
Misc : 7,1 soil Multiplr: 1.00
IntFile : surr.e
Quant Time: Oct 14 8:56 2005 Quant Results File: PROFRNT.RES

Quant Method : C:\MSDCHEM\1\METHODS\PROFRNT.M (Chemstation Integrator)
Title : ICAL WG198206 PRO 10/07/05 @13:13
Last Update : Fri Oct 14 07:44:48 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8015PRO.M

Volume Inj. :
Signal Phase :
Signal Info :



2.2.6.3 Standards Data

Quantitation Report (Not Reviewed)

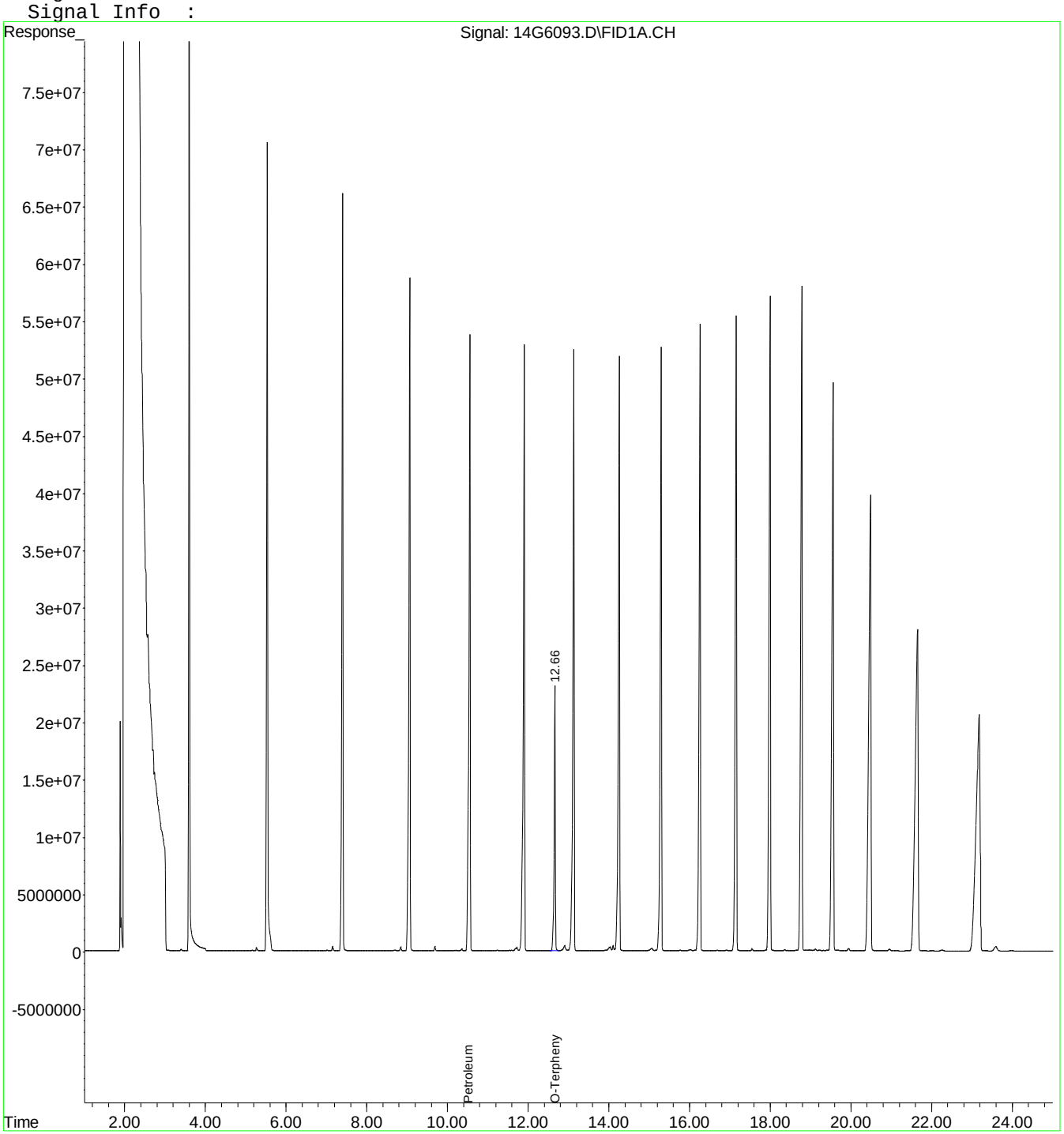
```
Data File : C:\MSDCHEM\1\DATA\100705\14G6093.D          Vial: 2
Acq On    : 07 Oct 2005  10:23                       Operator: HV
Sample    : WG198206-01 PRO STD @600ppm              Inst    : HP14
Misc      : 1,1 SOS75-38                             Multiplr: 1.00
IntFile   : surr.e
Quant Time: Oct 07 15:11:16 2005  Quant Results File: PROFRNT.RES

Quant Method : C:\MSDCHEM\1\METHODS\PROFRNT.M (Chemstation Integrator)
Title        : ICAL WG198206 PRO 10/07/05 @13:13
Last Update  : Fri Oct 07 15:06:56 2005
Response via : Initial Calibration
DataAcq Meth : 8015PRO.M

Volume Inj.  :
Signal Phase :
Signal Info  :

     Compound                    R.T.       Response    Conc Units
---------------------------------------------------------------------------

System Monitoring Compounds
 2) s   O-Terphenyl                12.66      444522313  207.594 ppb
Spiked Amount     20.000   Range  51 - 154    Recovery   = 1037.97%#
 3) s   n-nonatriacontane           0.00              0    N.D.

Target Compounds
 1) h   Petroleum Range            10.50    22433984709 10281.348 ppb
```

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\100705\14G6093.D Vial: 2
Acq On : 07 Oct 2005 10:23 Operator: HV
Sample : WG198206-01 PRO STD @600ppm Inst : HP14
Misc : 1,1 SOS75-38 Multiplr: 1.00
IntFile : surr.e
Quant Time: Oct 7 15:11 2005 Quant Results File: PROFRNT.RES

Quant Method : C:\MSDCHEM\1\METHODS\PROFRNT.M (Chemstation Integrator)
Title : ICAL WG198206 PRO 10/07/05 @13:13
Last Update : Fri Oct 07 15:06:56 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8015PRO.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

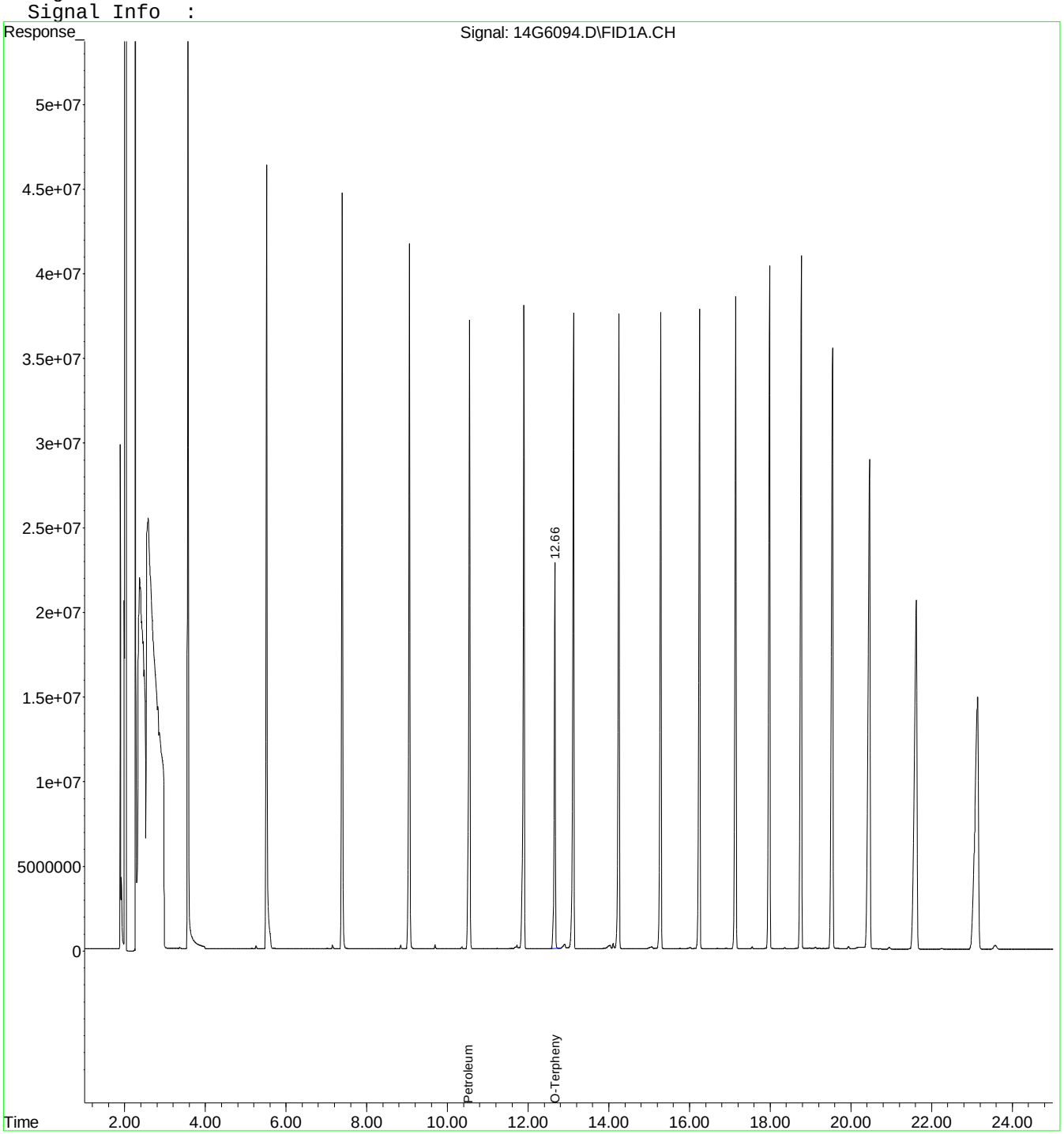
```
Data File : C:\MSDCHEM\1\DATA\100705\14G6094.D          Vial: 3
Acq On    : 07 Oct 2005  10:57                       Operator: HV
Sample    : WG198206-02 PRO STD @400ppm              Inst    : HP14
Misc      : 1,1 SOS75-38                             Multiplr: 1.00
IntFile   : surr.e
Quant Time: Oct 07 15:11:33 2005  Quant Results File: PROFRNT.RES

Quant Method : C:\MSDCHEM\1\METHODS\PROFRNT.M (Chemstation Integrator)
Title        : ICAL WG198206 PRO 10/07/05 @13:13
Last Update  : Fri Oct 07 15:11:27 2005
Response via : Initial Calibration
DataAcq Meth : 8015PRO.M

Volume Inj.  :
Signal Phase :
Signal Info  :

     Compound                    R.T.       Response    Conc Units
---------------------------------------------------------------------------

System Monitoring Compounds
 2) s   O-Terphenyl                12.66      424594429  198.287 ppb
Spiked Amount     20.000   Range  51 - 154    Recovery   =  991.44%#
 3) s   n-nonatriacontane           0.00              0    N.D.

Target Compounds
 1) h   Petroleum Range            10.50    14243761691 6531.764 ppb
```

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\100705\14G6094.D Vial: 3
Acq On : 07 Oct 2005 10:57 Operator: HV
Sample : WG198206-02 PRO STD @400ppm Inst : HP14
Misc : 1,1 SOS75-38 Multiplr: 1.00
IntFile : surr.e
Quant Time: Oct 7 15:11 2005 Quant Results File: PROFRNT.RES

Quant Method : C:\MSDCHEM\1\METHODS\PROFRNT.M (Chemstation Integrator)
Title : ICAL WG198206 PRO 10/07/05 @13:13
Last Update : Fri Oct 07 15:11:27 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8015PRO.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

```
Data File : C:\MSDCHEM\1\DATA\100705\14G6095.D          Vial: 4
Acq On    : 07 Oct 2005  11:31                       Operator: HV
Sample    : WG198206-03 PRO STD @200ppm              Inst    : HP14
Misc      : 1,1 SOS75-38                             Multiplr: 1.00
IntFile   : surr.e
Quant Time: Oct 07 15:11:49 2005  Quant Results File: PROFRNT.RES

Quant Method : C:\MSDCHEM\1\METHODS\PROFRNT.M (Chemstation Integrator)
Title        : ICAL WG198206 PRO 10/07/05 @13:13
Last Update  : Fri Oct 07 15:11:42 2005
Response via : Initial Calibration
DataAcq Meth : 8015PRO.M

Volume Inj.  :
Signal Phase :
Signal Info  :
```

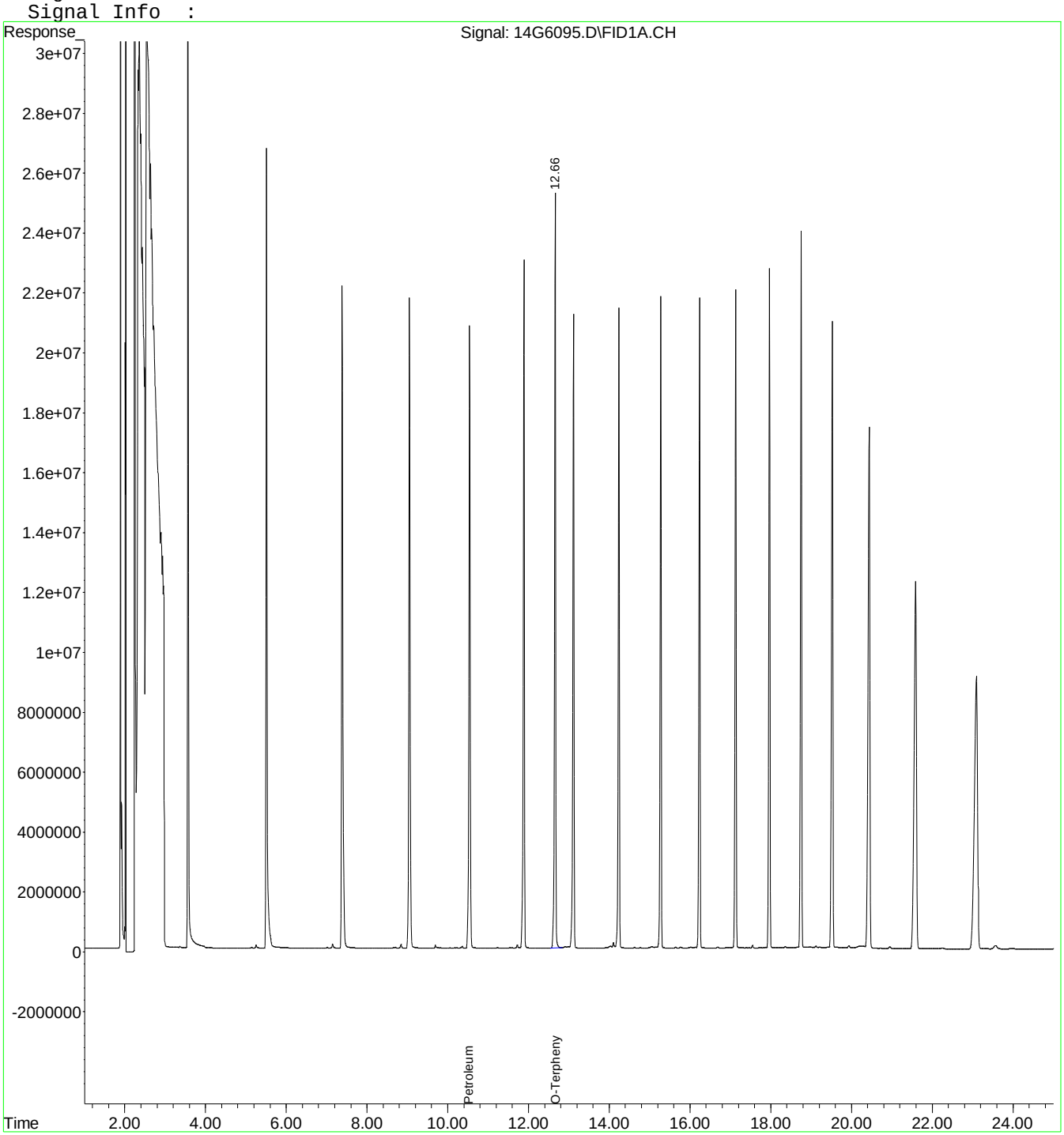
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s O-Terphenyl	12.66	470560117	219.753 ppb
Spiked Amount 20.000 Range 51 - 154		Recovery	= 1098.76%#
3) s n-nonatriacontane	0.00	0	N.D.
Target Compounds			
1) h Petroleum Range	10.50	7783473399	3572.339 ppb

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\100705\14G6095.D Vial: 4
Acq On : 07 Oct 2005 11:31 Operator: HV
Sample : WG198206-03 PRO STD @200ppm Inst : HP14
Misc : 1,1 SOS75-38 Multiplr: 1.00
IntFile : surr.e
Quant Time: Oct 7 15:11 2005 Quant Results File: PROFRNT.RES

Quant Method : C:\MSDCHEM\1\METHODS\PROFRNT.M (Chemstation Integrator)
Title : ICAL WG198206 PRO 10/07/05 @13:13
Last Update : Fri Oct 07 15:11:42 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8015PRO.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

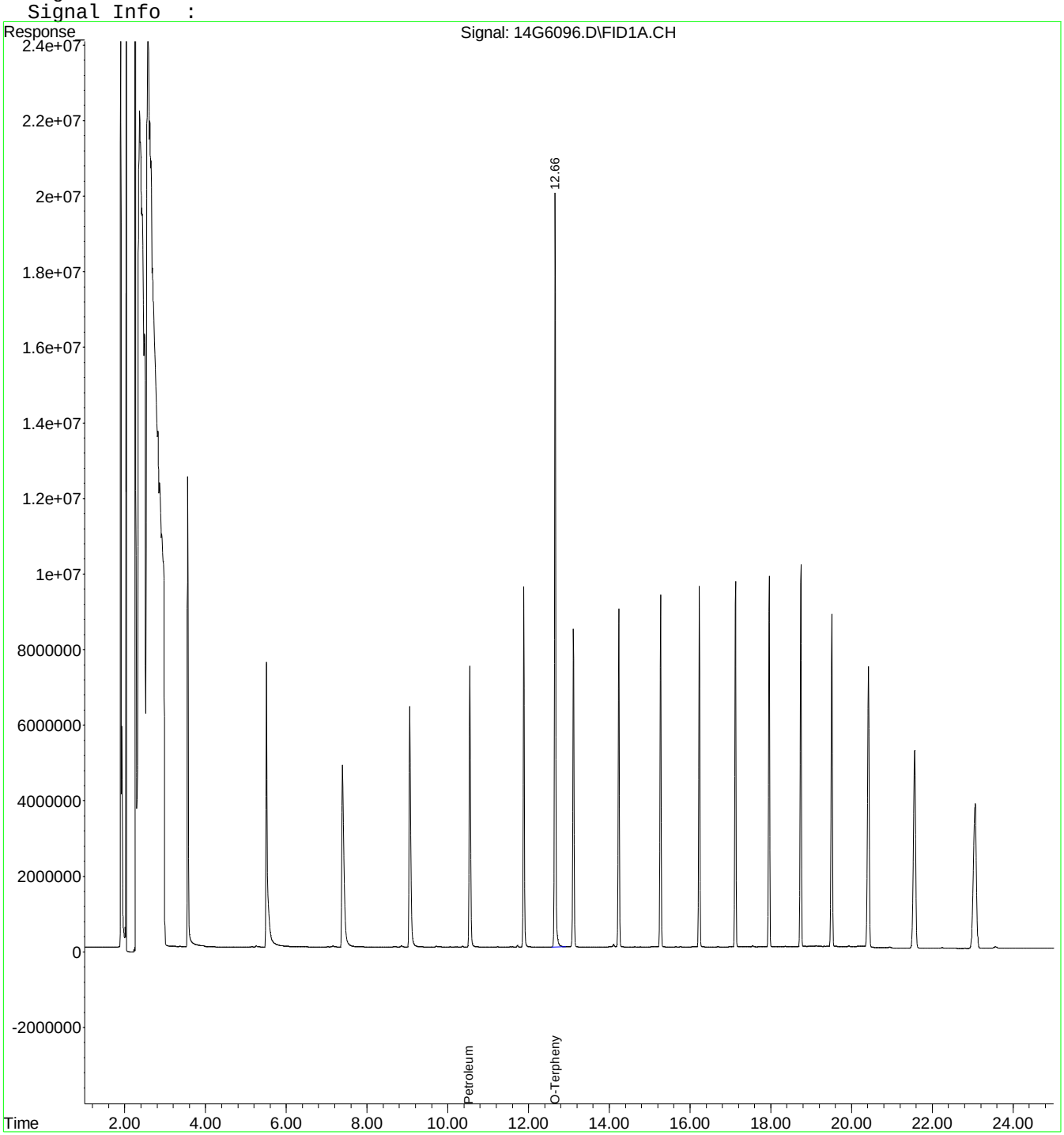
```
Data File : C:\MSDCHEM\1\DATA\100705\14G6096.D          Vial: 5
Acq On    : 07 Oct 2005  12:05                       Operator: HV
Sample    : WG198206-04 PRO STD @100ppm              Inst    : HP14
Misc      : 1,1 SOS75-38                             Multiplr: 1.00
IntFile   : surr.e
Quant Time: Oct 07 15:12:03 2005  Quant Results File: PROFRNT.RES

Quant Method : C:\MSDCHEM\1\METHODS\PROFRNT.M (Chemstation Integrator)
Title        : ICAL WG198206 PRO 10/07/05 @13:13
Last Update  : Fri Oct 07 15:11:58 2005
Response via : Initial Calibration
DataAcq Meth : 8015PRO.M

Volume Inj.  :
Signal Phase :
Signal Info  :

     Compound                    R.T.       Response    Conc Units
  ---------------------------------------------------------------------------

  System Monitoring Compounds
 2) s   O-Terphenyl                12.66      377339189  176.219 ppb
Spiked Amount     20.000   Range  51 - 154    Recovery   =  881.10%#
 3) s   n-nonatriacontane           0.00              0    N.D.

  Target Compounds
 1) h   Petroleum Range            10.50     3207692724 1474.533 ppb
```

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\100705\14G6096.D Vial: 5
Acq On : 07 Oct 2005 12:05 Operator: HV
Sample : WG198206-04 PRO STD @100ppm Inst : HP14
Misc : 1,1 SOS75-38 Multiplr: 1.00
IntFile : surr.e
Quant Time: Oct 7 15:12 2005 Quant Results File: PROFRNT.RES

Quant Method : C:\MSDCHEM\1\METHODS\PROFRNT.M (Chemstation Integrator)
Title : ICAL WG198206 PRO 10/07/05 @13:13
Last Update : Fri Oct 07 15:11:58 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8015PRO.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

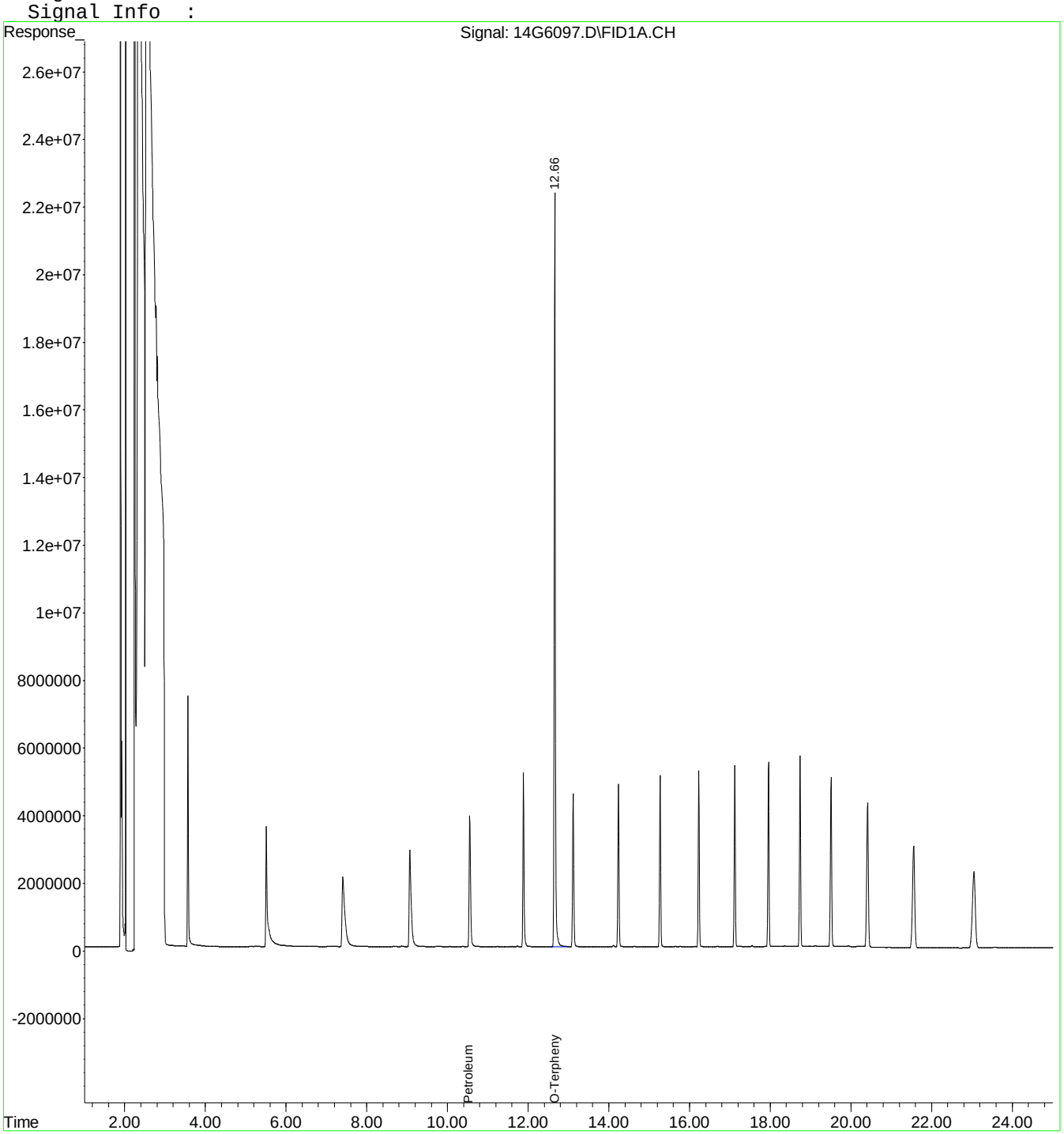
```
Data File : C:\MSDCHEM\1\DATA\100705\14G6097.D          Vial: 6
Acq On    : 07 Oct 2005  12:39                       Operator: HV
Sample    : WG198206-05 PRO STD @50ppm               Inst    : HP14
Misc      : 1,1 SOS75-38                             Multiplr: 1.00
IntFile   : surr.e
Quant Time: Oct 07 15:12:21 2005  Quant Results File: PROFRNT.RES

Quant Method : C:\MSDCHEM\1\METHODS\PROFRNT.M (Chemstation Integrator)
Title        : ICAL WG198206 PRO 10/07/05 @13:13
Last Update  : Fri Oct 07 15:12:15 2005
Response via : Initial Calibration
DataAcq Meth : 8015PRO.M

Volume Inj.  :
Signal Phase :
Signal Info  :

     Compound                    R.T.       Response    Conc Units
  ---------------------------------------------------------------------------

  System Monitoring Compounds
 2) s   O-Terphenyl                12.66      428555728  200.137 ppb
Spiked Amount     20.000   Range  51 - 154    Recovery   = 1000.68%#
 3) s   n-nonatriacontane           0.00              0    N.D.

  Target Compounds
 1) h   Petroleum Range            10.50     1874434391  863.891 ppb
```

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\100705\14G6097.D Vial: 6
Acq On : 07 Oct 2005 12:39 Operator: HV
Sample : WG198206-05 PRO STD @50ppm Inst : HP14
Misc : 1,1 SOS75-38 Multiplr: 1.00
IntFile : surr.e
Quant Time: Oct 7 15:12 2005 Quant Results File: PROFRNT.RES

Quant Method : C:\MSDCHEM\1\METHODS\PROFRNT.M (Chemstation Integrator)
Title : ICAL WG198206 PRO 10/07/05 @13:13
Last Update : Fri Oct 07 15:12:15 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8015PRO.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

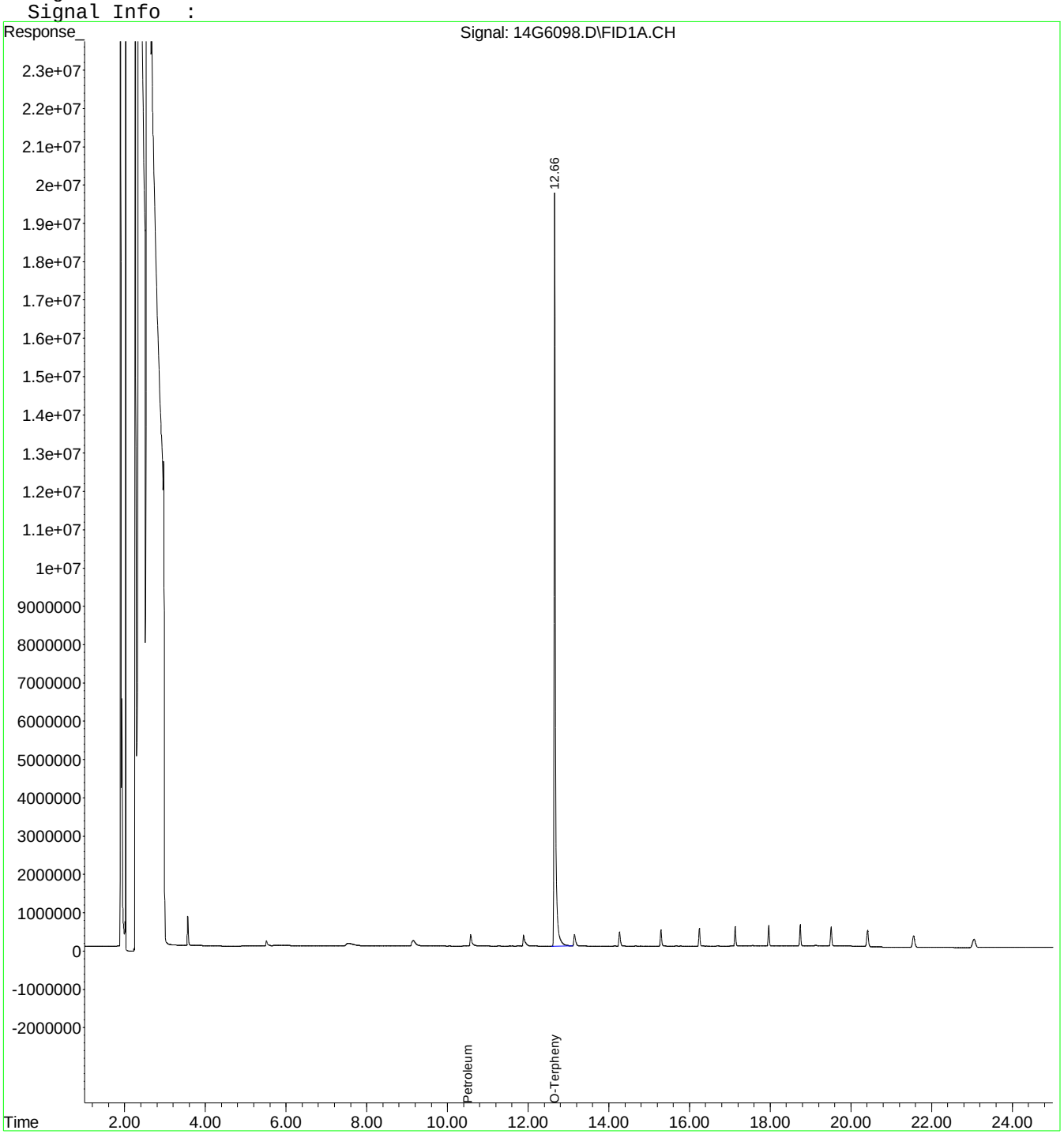
```
Data File : C:\MSDCHEM\1\DATA\100705\14G6098.D          Vial: 7
Acq On    : 10-7-2005 01:13:54 PM                   Operator: HV
Sample    : WG198206-06 PRO STD @5ppm               Inst    : HP14
Misc      : 1,1 SOS75-38                            Multiplr: 1.00
IntFile   : surr.e
Quant Time: Oct 07 15:12:40 2005  Quant Results File: PROFRNT.RES

Quant Method : C:\MSDCHEM\1\METHODS\PROFRNT.M (Chemstation Integrator)
Title        : ICAL WG198206 PRO 10/07/05 @13:13
Last Update  : Fri Oct 07 15:12:32 2005
Response via : Initial Calibration
DataAcq Meth : 8015PRO.M

Volume Inj.  :
Signal Phase :
Signal Info  :

     Compound                    R.T.       Response    Conc Units
---------------------------------------------------------------------------

System Monitoring Compounds
 2) s   O-Terphenyl                12.66      423006405  197.546 ppb
Spiked Amount     20.000   Range  51 - 154    Recovery   =  987.73%#
 3) s   n-nonatriacontane           0.00              0    N.D.

Target Compounds
 1) h   Petroleum Range            10.50      238841307  110.577 ppb
```

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\100705\14G6098.D Vial: 7
Acq On : 10-7-2005 01:13:54 PM Operator: HV
Sample : WG198206-06 PRO STD @5ppm Inst : HP14
Misc : 1,1 SOS75-38 Multiplr: 1.00
IntFile : surr.e
Quant Time: Oct 7 15:12 2005 Quant Results File: PROFRNT.RES

Quant Method : C:\MSDCHEM\1\METHODS\PROFRNT.M (Chemstation Integrator)
Title : ICAL WG198206 PRO 10/07/05 @13:13
Last Update : Fri Oct 07 15:12:32 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8015PRO.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

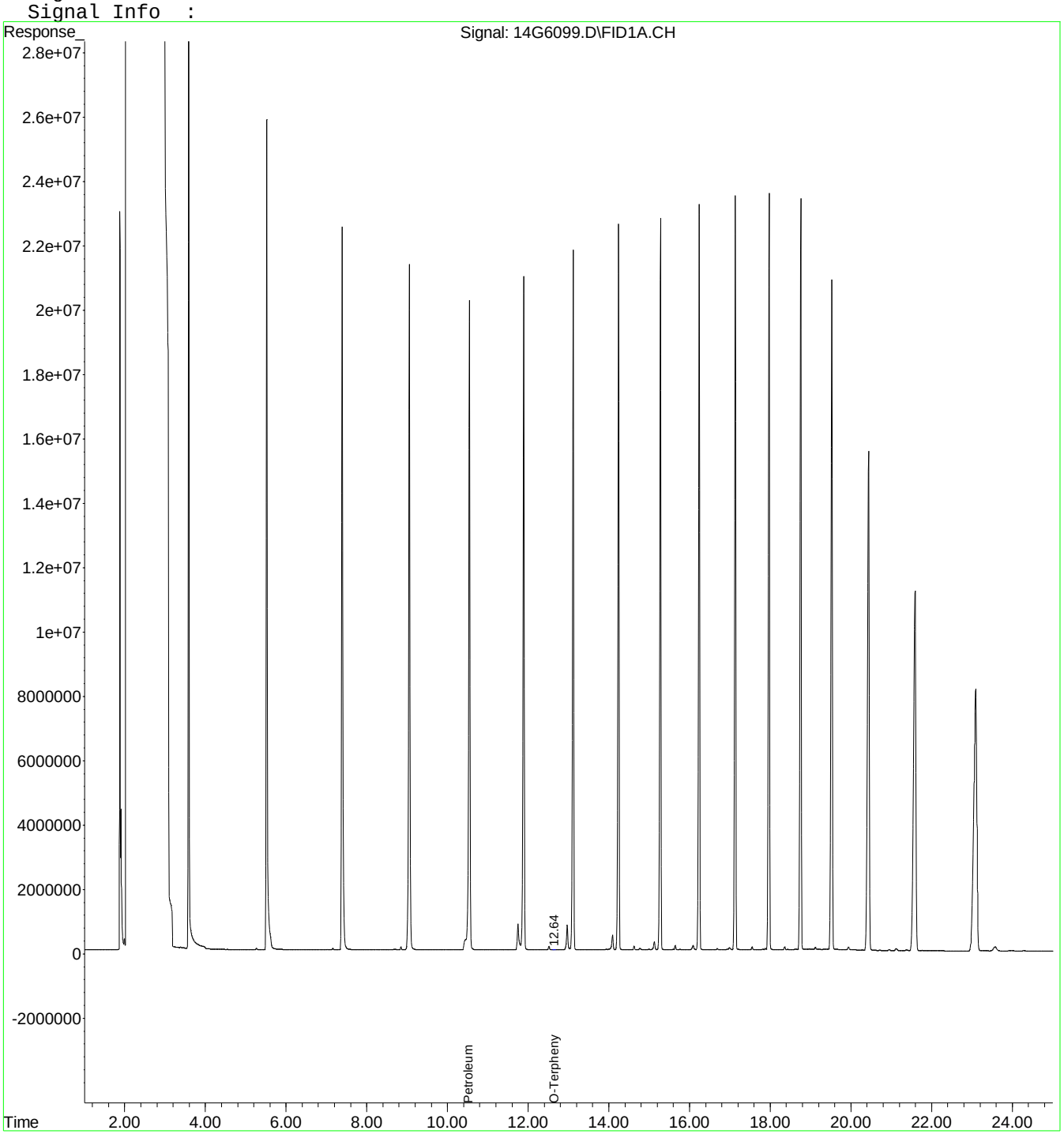
```
Data File : C:\MSDCHEM\1\DATA\100705\14G6099.D          Vial: 8
Acq On    : 10-7-2005 01:48:05 PM                   Operator: HV
Sample    : WG198206-07 ALT PRO @200ppm             Inst    : HP14
Misc      : 1,1 SOS73-25                            Multiplr: 1.00
IntFile   : surr.e
Quant Time: Oct 07 15:14:17 2005  Quant Results File: PROFRNT.RES

Quant Method : C:\MSDCHEM\1\METHODS\PROFRNT.M (Chemstation Integrator)
Title        : ICAL WG198206 PRO 10/07/05 @13:13
Last Update  : Fri Oct 07 15:12:49 2005
Response via : Initial Calibration
DataAcq Meth : 8015PRO.M

Volume Inj.  :
Signal Phase :
Signal Info  :

     Compound                    R.T.       Response    Conc Units
---------------------------------------------------------------------------

System Monitoring Compounds
 2) s   O-Terphenyl                12.64          52520    0.025 ppb
Spiked Amount     20.000   Range  51 - 154    Recovery   =    0.13%#
 3) s   n-nonatriacontane           0.00              0    N.D.

Target Compounds
 1) h   Petroleum Range            10.50     7612160802 3386.863 ppb
```

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\100705\14G6099.D Vial: 8
Acq On : 10-7-2005 01:48:05 PM Operator: HV
Sample : WG198206-07 ALT PRO @200ppm Inst : HP14
Misc : 1,1 SOS73-25 Multiplr: 1.00
IntFile : surr.e
Quant Time: Oct 7 15:14 2005 Quant Results File: PROFRNT.RES

Quant Method : C:\MSDCHEM\1\METHODS\PROFRNT.M (Chemstation Integrator)
Title : ICAL WG198206 PRO 10/07/05 @13:13
Last Update : Fri Oct 07 15:12:49 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8015PRO.M

Volume Inj. :
Signal Phase :
Signal Info :



Evaluate Continuing Calibration Report

```
Data File : C:\MSDCHEM\1\DATA\100705\14G6099.D          Vial: 8
Acq On    : 10-7-2005 01:48:05 PM                   Operator: HV
Sample    : WG198206-07 ALT PRO @200ppm             Inst    : HP14
Misc      : 1,1 SOS73-25                            Multiplr: 1.00
IntFile   : surr.e

Method       : C:\MSDCHEM\1\METHODS\PROFRNT.M (Chemstation Integrator)
Title        : ICAL WG198206 PRO 10/07/05 @13:13
Last Update  : Fri Oct 07 15:12:49 2005
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 150%
```

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	h	Petroleum Range	3400.000	3386.863	0.4	98	0.00
2	s	O-Terphenyl	200.000	0.025	100.0#	0	-0.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0

14G6099.D PROFRNT.M Fri Oct 07 15:14:30 2005 Page 1

Quantitation Report (Not Reviewed)

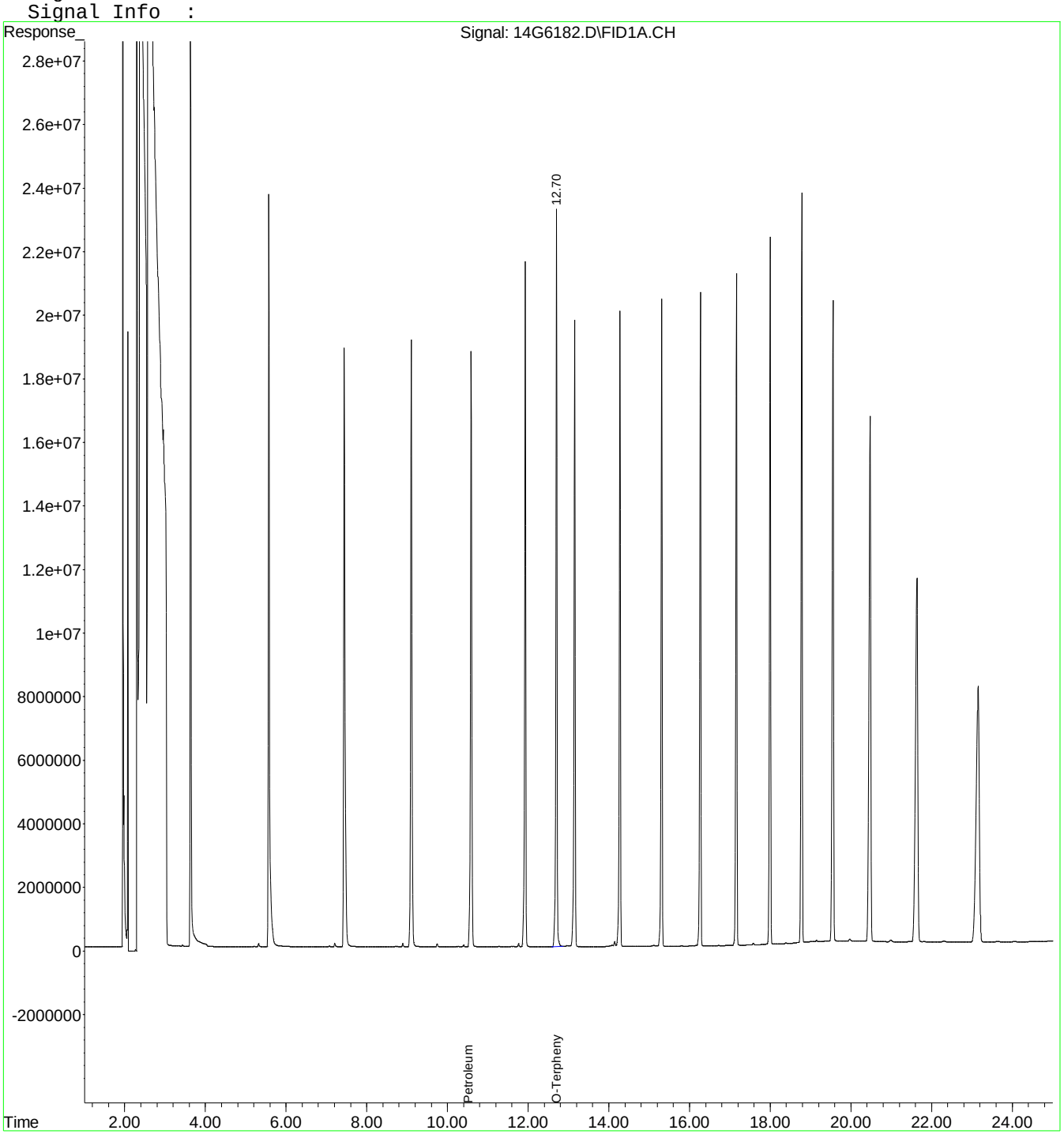
```
Data File : C:\MSDCHEM\1\DATA\101305\14G6182.D          Vial: 2
Acq On    : 10-13-2005 03:28:13 PM                  Operator: HV
Sample    : WG198636-01 PRO CCV @200ppm             Inst    : HP14
Misc      : 1,1 Dil SOS75-37                        Multiplr: 1.00
IntFile   : surr.e
Quant Time: Oct 14 08:36:19 2005  Quant Results File: PROFRNT.RES

Quant Method : C:\MSDCHEM\1\METHODS\PROFRNT.M (Chemstation Integrator)
Title        : ICAL WG198206 PRO 10/07/05 @13:13
Last Update  : Fri Oct 14 07:44:48 2005
Response via : Initial Calibration
DataAcq Meth : 8015PRO.M

Volume Inj.  :
Signal Phase :
Signal Info  :

     Compound                    R.T.       Response    Conc Units
---------------------------------------------------------------------------

System Monitoring Compounds
 2) s   O-Terphenyl                12.70      441073652  206.063 ppb
Spiked Amount     20.000   Range  51 - 154    Recovery   = 1030.31%#
 3) s   n-nonatriacontane           0.00              0    N.D.

Target Compounds
 1) h   Petroleum Range            10.50     7398625817 3291.855 ppb
```

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101305\14G6182.D Vial: 2
Acq On : 10-13-2005 03:28:13 PM Operator: HV
Sample : WG198636-01 PRO CCV @200ppm Inst : HP14
Misc : 1,1 Dil SOS75-37 Multiplr: 1.00
IntFile : surr.e
Quant Time: Oct 14 8:36 2005 Quant Results File: PROFRNT.RES

Quant Method : C:\MSDCHEM\1\METHODS\PROFRNT.M (Chemstation Integrator)
Title : ICAL WG198206 PRO 10/07/05 @13:13
Last Update : Fri Oct 14 07:44:48 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8015PRO.M

Volume Inj. :
Signal Phase :
Signal Info :



Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\101305\14G6182.D Vial: 2
Acq On : 10-13-2005 03:28:13 PM Operator: HV
Sample : WG198636-01 PRO CCV @200ppm Inst : HP14
Misc : 1,1 Dil SOS75-37 Multiplr: 1.00
IntFile : surr.e

Method : C:\MSDCHEM\1\METHODS\PROFRNT.M (Chemstation Integrator)
Title : ICAL WG198206 PRO 10/07/05 @13:13
Last Update : Fri Oct 14 07:44:48 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	h	Petroleum Range	3400.000	3291.855	3.2	95	0.00
2	s	O-Terphenyl	200.000	206.063	-3.0	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
14G6182.D PROFRNT.M Fri Oct 14 08:36:25 2005 Page 1

Quantitation Report (Not Reviewed)

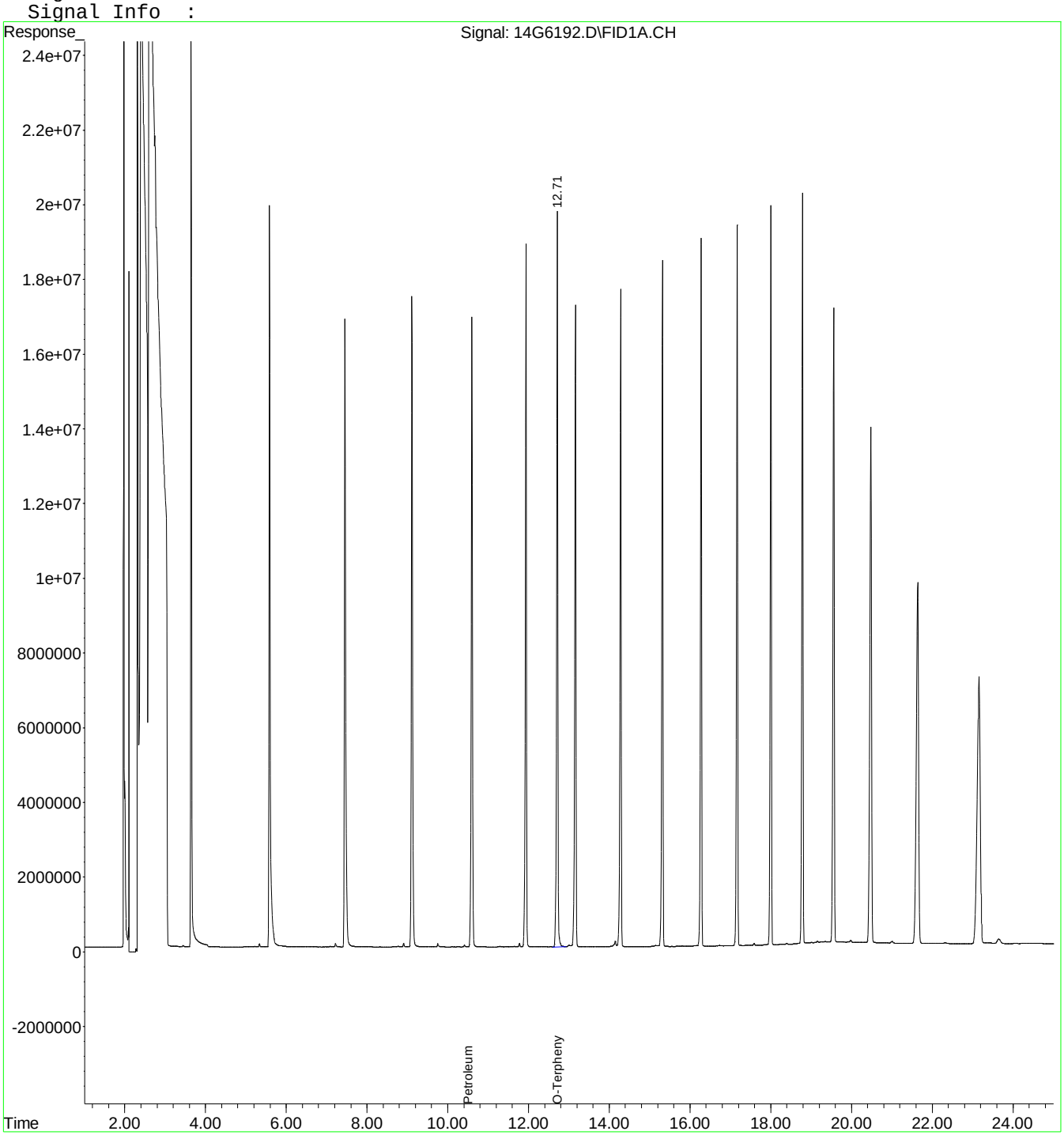
```
Data File : C:\MSDCHEM\1\DATA\101305\14G6192.D          Vial: 2
Acq On    : 10-13-2005 09:12:37 PM                  Operator: HV
Sample    : WG198636-02 PRO CCV @200ppm             Inst    : HP14
Misc      : 1,1 Dil SOS75-37                        Multiplr: 1.00
IntFile   : surr.e
Quant Time: Oct 14 08:39:10 2005  Quant Results File: PROFRNT.RES

Quant Method : C:\MSDCHEM\1\METHODS\PROFRNT.M (Chemstation Integrator)
Title        : ICAL WG198206 PRO 10/07/05 @13:13
Last Update  : Fri Oct 14 07:44:48 2005
Response via : Initial Calibration
DataAcq Meth : 8015PRO.M

Volume Inj.  :
Signal Phase :
Signal Info  :

     Compound                    R.T.       Response    Conc Units
---------------------------------------------------------------------------

System Monitoring Compounds
 2) s   O-Terphenyl                12.71      385807528  180.243 ppb
Spiked Amount     20.000   Range  51 - 154    Recovery   =  901.22%#
 3) s   n-nonatriacontane           0.00              0    N.D.

Target Compounds
 1) h   Petroleum Range            10.50     6394510984 2845.096 ppb
```

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101305\14G6192.D Vial: 2
Acq On : 10-13-2005 09:12:37 PM Operator: HV
Sample : WG198636-02 PRO CCV @200ppm Inst : HP14
Misc : 1,1 Dil SOS75-37 Multiplr: 1.00
IntFile : surr.e
Quant Time: Oct 14 8:39 2005 Quant Results File: PROFRNT.RES

Quant Method : C:\MSDCHEM\1\METHODS\PROFRNT.M (Chemstation Integrator)
Title : ICAL WG198206 PRO 10/07/05 @13:13
Last Update : Fri Oct 14 07:44:48 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8015PRO.M

Volume Inj. :
Signal Phase :
Signal Info :



Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\101305\14G6192.D Vial: 2
Acq On : 10-13-2005 09:12:37 PM Operator: HV
Sample : WG198636-02 PRO CCV @200ppm Inst : HP14
Misc : 1,1 Dil SOS75-37 Multiplr: 1.00
IntFile : surr.e

Method : C:\MSDCHEM\1\METHODS\PROFRNT.M (Chemstation Integrator)
Title : ICAL WG198206 PRO 10/07/05 @13:13
Last Update : Fri Oct 14 07:44:48 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	h	Petroleum Range	3400.000	2845.096	16.3	82	0.00
2	s	O-Terphenyl	200.000	180.243	9.9	82	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
14G6192.D PROFRNT.M Fri Oct 14 08:39:17 2005 Page 1

Quantitation Report (Not Reviewed)

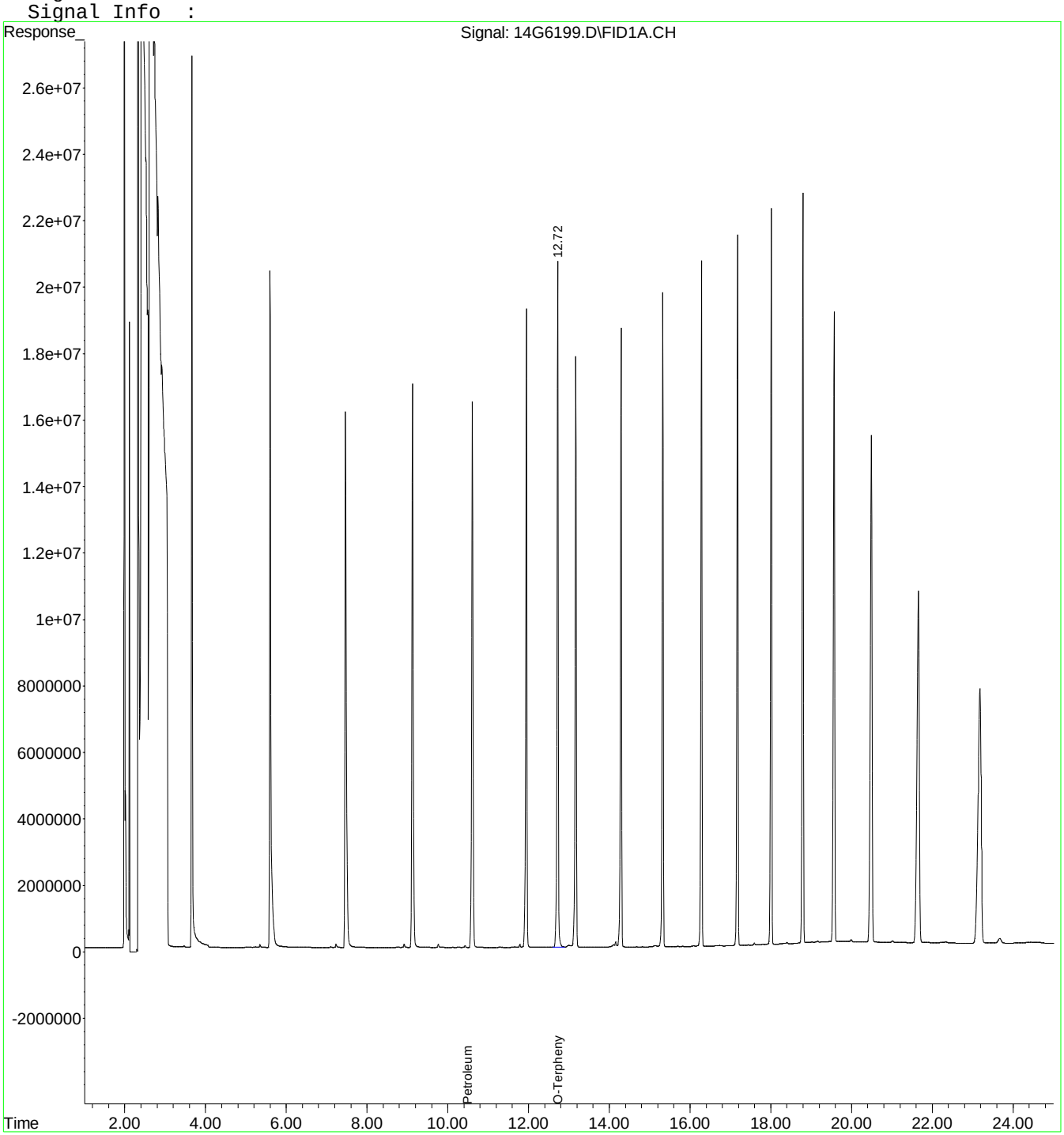
```
Data File : C:\MSDCHEM\1\DATA\101305\14G6199.D          Vial: 2
Acq On    : 10-14-2005 01:09:08 AM                  Operator: HV
Sample    : WG198636-03 PRO CCV @200ppm             Inst    : HP14
Misc      : 1,1 Dil SOS75-37                        Multiplr: 1.00
IntFile   : surr.e
Quant Time: Oct 14 08:39:33 2005  Quant Results File: PROFRNT.RES

Quant Method : C:\MSDCHEM\1\METHODS\PROFRNT.M (Chemstation Integrator)
Title        : ICAL WG198206 PRO 10/07/05 @13:13
Last Update  : Fri Oct 14 07:44:48 2005
Response via : Initial Calibration
DataAcq Meth : 8015PRO.M

Volume Inj.  :
Signal Phase :
Signal Info  :

     Compound                    R.T.       Response    Conc Units
---------------------------------------------------------------------------

System Monitoring Compounds
 2) s   O-Terphenyl                12.72      400530314  187.122 ppb
Spiked Amount     20.000   Range  51 - 154    Recovery   =  935.61%#
 3) s   n-nonatriacontane           0.00              0    N.D.

Target Compounds
 1) h   Petroleum Range            10.50     6967868944 3100.199 ppb
```

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101305\14G6199.D Vial: 2
Acq On : 10-14-2005 01:09:08 AM Operator: HV
Sample : WG198636-03 PRO CCV @200ppm Inst : HP14
Misc : 1,1 Dil SOS75-37 Multiplr: 1.00
IntFile : surr.e
Quant Time: Oct 14 8:39 2005 Quant Results File: PROFRNT.RES

Quant Method : C:\MSDCHEM\1\METHODS\PROFRNT.M (Chemstation Integrator)
Title : ICAL WG198206 PRO 10/07/05 @13:13
Last Update : Fri Oct 14 07:44:48 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8015PRO.M

Volume Inj. :
Signal Phase :
Signal Info :



Evaluate Continuing Calibration Report

```
Data File : C:\MSDCHEM\1\DATA\101305\14G6199.D          Vial: 2
Acq On    : 10-14-2005 01:09:08 AM                  Operator: HV
Sample    : WG198636-03 PRO CCV @200ppm             Inst    : HP14
Misc      : 1,1 Dil SOS75-37                        Multiplr: 1.00
IntFile   : surr.e

Method       : C:\MSDCHEM\1\METHODS\PROFRNT.M (Chemstation Integrator)
Title        : ICAL WG198206 PRO 10/07/05 @13:13
Last Update  : Fri Oct 14 07:44:48 2005
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 150%
```

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	h	Petroleum Range	3400.000	3100.199	8.8	90	0.00
2	s	O-Terphenyl	200.000	187.122	6.4	85	0.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0

14G6199.D PROFRNT.M Fri Oct 14 08:39:38 2005 Page 1

RETENTION TIME WINDOWS				
Lab Name: Kemron Environmental Services				
Instrument ID:	HP-14			
GC Column:	RTX-CLP			
	WIN. STD #1	WIN. STD #2	WIN. STD #3	
Date Run	09-20-05	09-21-05	09-22-05	
File #	14G5826	14G5837	14G5849	
	STD #1	STD #2	STD #3	RT WIN
	RT	RT	RT	
COMPOUND				
PRO Range				
PRO - C8 #1	3.35	3.36	3.35	0.017
PRO - C18 #2	11.74	11.75	11.74	0.017
PRO - C28 #3	17.02	17.03	17.02	0.017
PRO - C40 #4	22.87	22.87	22.85	0.035
Surrogates				
o-terphenyl	12.51	12.52	12.51	0.017

2.2.6.4 Raw QC Data

Quantitation Report (Not Reviewed)

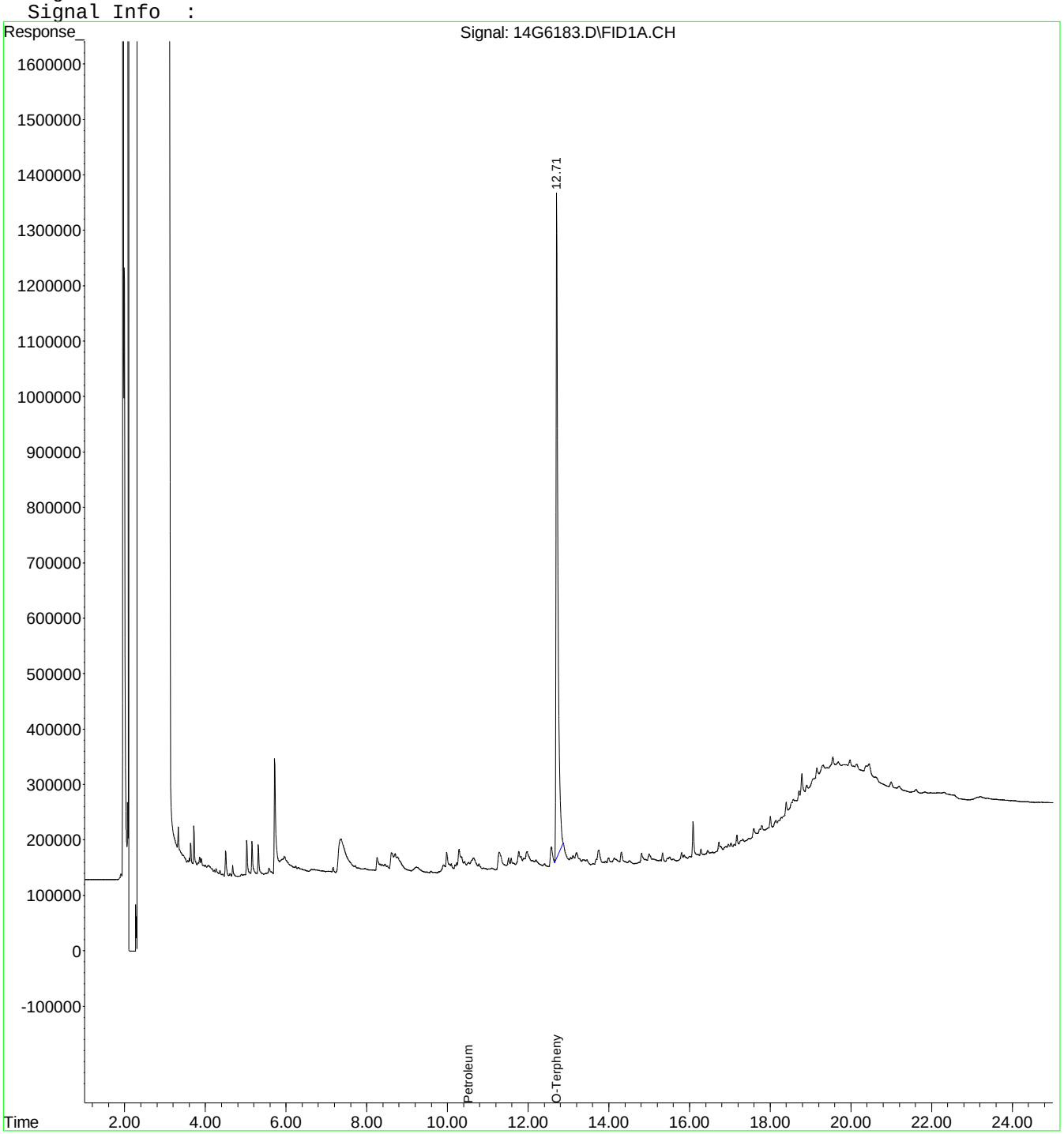
```
Data File : C:\MSDCHEM\1\DATA\101305\14G6183.D          Vial: 3
Acq On    : 10-13-2005 04:05:11 PM                  Operator: HV
Sample    : WG198584-01 BLANK V250-P95              Inst    : HP14
Misc      : 7,1 soil                                Multiplr: 1.00
IntFile   : surr.e
Quant Time: Oct 14 08:44:54 2005  Quant Results File: PROFRNT.RES

Quant Method : C:\MSDCHEM\1\METHODS\PROFRNT.M (Chemstation Integrator)
Title        : ICAL WG198206 PRO 10/07/05 @13:13
Last Update  : Fri Oct 14 07:44:48 2005
Response via : Initial Calibration
DataAcq Meth : 8015PRO.M

Volume Inj.  :
Signal Phase :
Signal Info  :

     Compound                    R.T.       Response    Conc Units
---------------------------------------------------------------------------

System Monitoring Compounds
 2) s   O-Terphenyl                12.71       38310309   17.898 ppb
Spiked Amount     20.000   Range  51 - 153    Recovery   =   89.49%
 3) s   n-nonatriacontane           0.00              0    N.D.

Target Compounds
 1) h   Petroleum Range            10.50      329091245  146.422 ppb
```

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101305\14G6183.D Vial: 3
Acq On : 10-13-2005 04:05:11 PM Operator: HV
Sample : WG198584-01 BLANK V250-P95 Inst : HP14
Misc : 7,1 soil Multiplr: 1.00
IntFile : surr.e
Quant Time: Oct 14 8:44 2005 Quant Results File: PROFRNT.RES

Quant Method : C:\MSDCHEM\1\METHODS\PROFRNT.M (Chemstation Integrator)
Title : ICAL WG198206 PRO 10/07/05 @13:13
Last Update : Fri Oct 14 07:44:48 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8015PRO.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

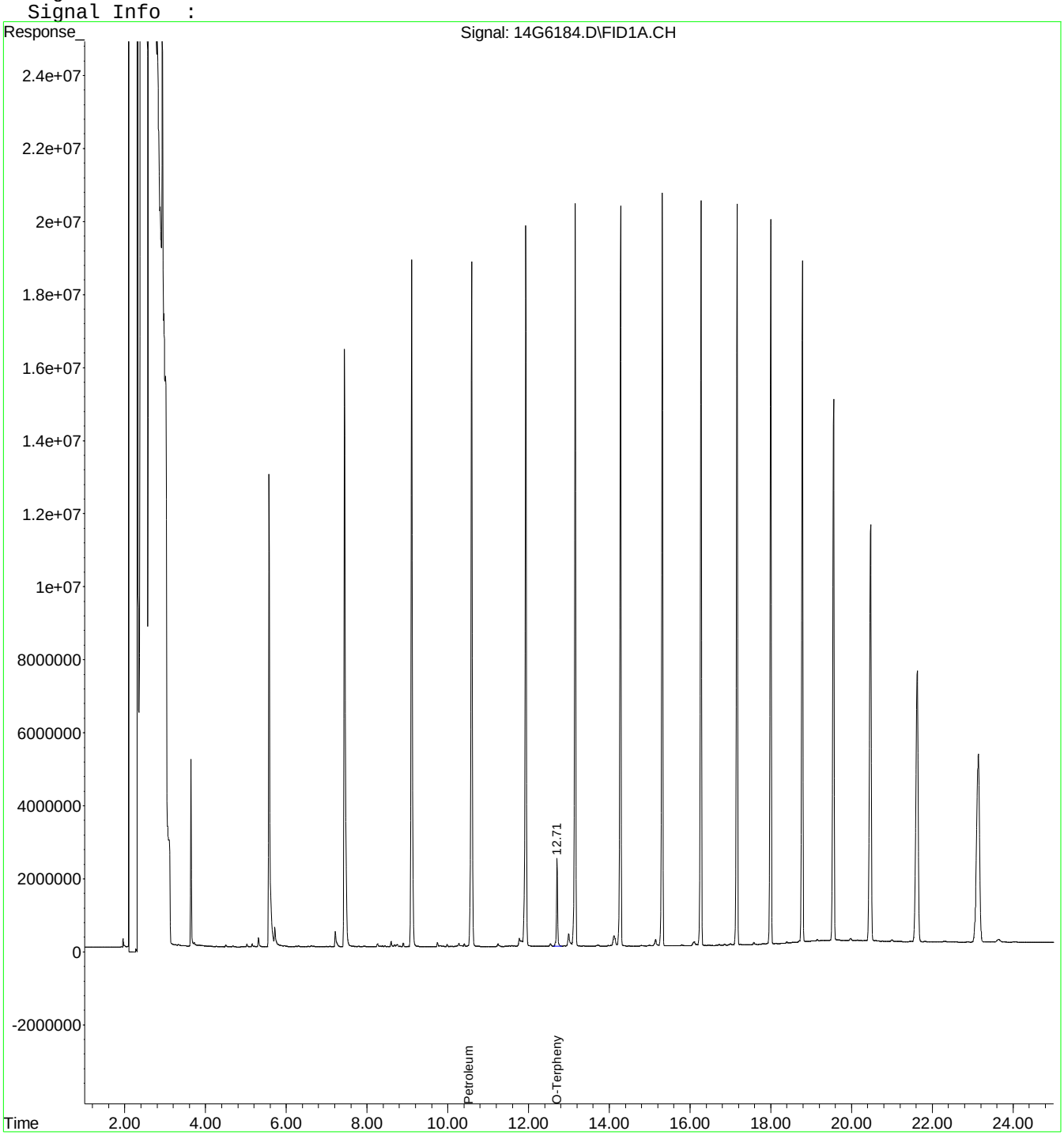
```
Data File : C:\MSDCHEM\1\DATA\101305\14G6184.D          Vial: 4
Acq On    : 10-13-2005 04:39:13 PM                  Operator: HV
Sample    : WG198584-02 LCS V250-P95                Inst    : HP14
Misc      : 7,1 soil                                Multiplr: 1.00
IntFile   : surr.e
Quant Time: Oct 14 08:45:47 2005  Quant Results File: PROFRNT.RES

Quant Method : C:\MSDCHEM\1\METHODS\PROFRNT.M (Chemstation Integrator)
Title        : ICAL WG198206 PRO 10/07/05 @13:13
Last Update  : Fri Oct 14 07:44:48 2005
Response via : Initial Calibration
DataAcq Meth : 8015PRO.M

Volume Inj.  :
Signal Phase :
Signal Info  :

     Compound                    R.T.       Response    Conc Units
---------------------------------------------------------------------------

System Monitoring Compounds
 2) s   O-Terphenyl                12.71       44222322   20.660 ppb
Spiked Amount     20.000   Range  51 - 153    Recovery   =  103.30%
 3) s   n-nonatriacontane           0.00              0    N.D.

Target Compounds
 1) h   Petroleum Range            10.50     6000535187 2669.806 ppb
```

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101305\14G6184.D Vial: 4
Acq On : 10-13-2005 04:39:13 PM Operator: HV
Sample : WG198584-02 LCS V250-P95 Inst : HP14
Misc : 7,1 soil Multiplr: 1.00
IntFile : surr.e
Quant Time: Oct 14 8:45 2005 Quant Results File: PROFRNT.RES

Quant Method : C:\MSDCHEM\1\METHODS\PROFRNT.M (Chemstation Integrator)
Title : ICAL WG198206 PRO 10/07/05 @13:13
Last Update : Fri Oct 14 07:44:48 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8015PRO.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

```
Data File : C:\MSDCHEM\1\DATA\101305\14G6185.D          Vial: 5
Acq On    : 10-13-2005 05:13:26 PM                  Operator: HV
Sample    : WG198584-03 LCS DUP V250-P95            Inst    : HP14
Misc      : 7,1 soil                                Multiplr: 1.00
IntFile   : surr.e
Quant Time: Oct 14 08:46:04 2005  Quant Results File: PROFRNT.RES

Quant Method : C:\MSDCHEM\1\METHODS\PROFRNT.M (Chemstation Integrator)
Title        : ICAL WG198206 PRO 10/07/05 @13:13
Last Update  : Fri Oct 14 07:44:48 2005
Response via : Initial Calibration
DataAcq Meth : 8015PRO.M

Volume Inj.  :
Signal Phase :
Signal Info  :
```

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s O-Terphenyl	12.71	39424248	18.418 ppb
Spiked Amount 20.000 Range 51 - 153		Recovery =	92.09%
3) s n-nonatriacontane	0.00	0	N.D.
Target Compounds			
1) h Petroleum Range	10.50	5268753234	2344.215 ppb

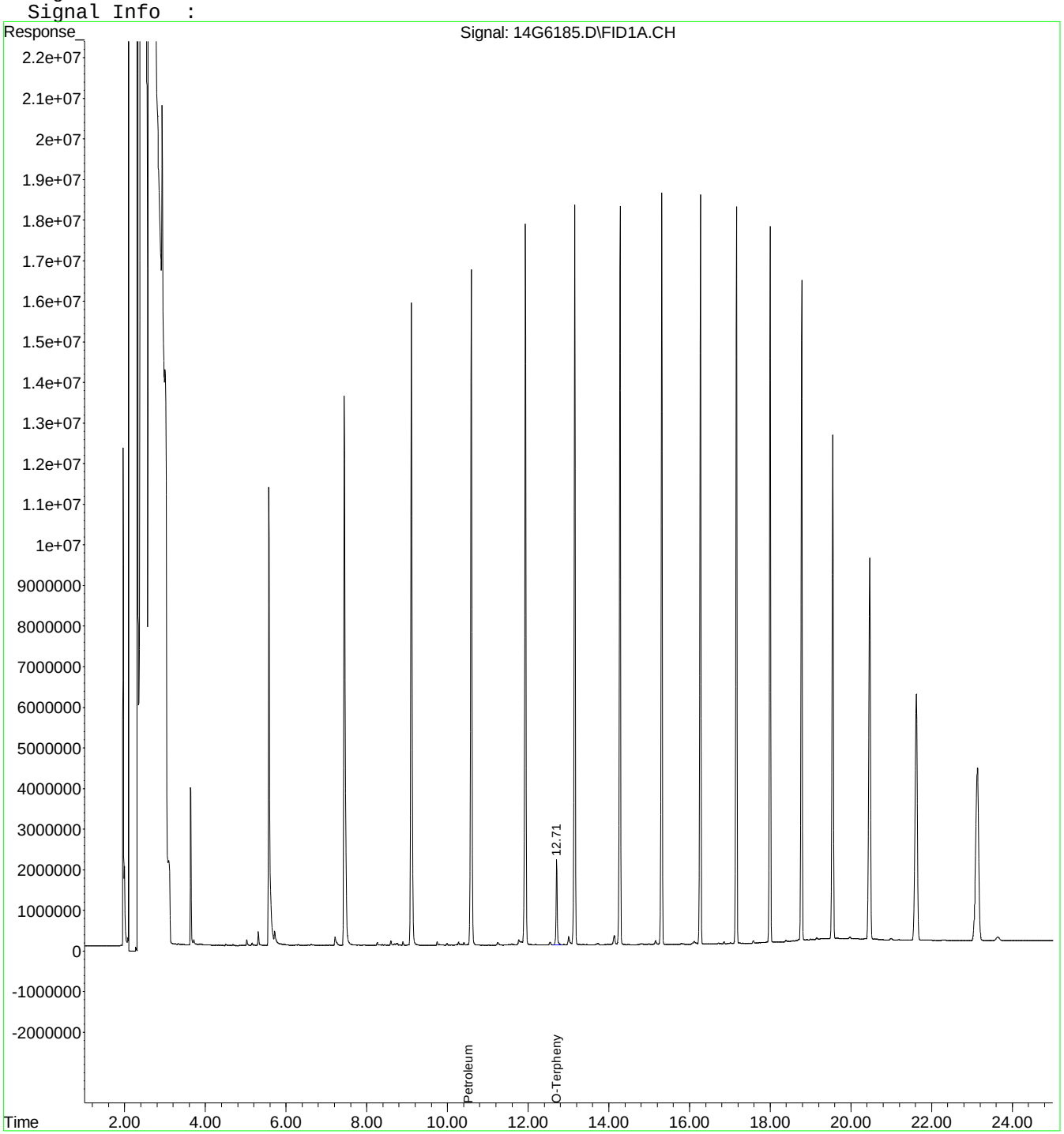
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\101305\14G6185.D Vial: 5
Acq On : 10-13-2005 05:13:26 PM Operator: HV
Sample : WG198584-03 LCS DUP V250-P95 Inst : HP14
Misc : 7,1 soil Multiplr: 1.00
IntFile : surr.e
Quant Time: Oct 14 8:46 2005 Quant Results File: PROFRNT.RES

Quant Method : C:\MSDCHEM\1\METHODS\PROFRNT.M (Chemstation Integrator)
Title : ICAL WG198206 PRO 10/07/05 @13:13
Last Update : Fri Oct 14 07:44:48 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8015PRO.M

Volume Inj. :
Signal Phase :
Signal Info :



2.3 Metals Data

2.3.1 Metals I C P Data

2.3.1.1 QC Summary

KEMRON ENVIRONMENTAL SERVICES
METALS

KEMRON Login No: L0510264

METHOD

Analysis: SW-846 6010

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibrations: All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibration: WG198673(6010) - On 10/14/2005 the continuing calibration blank associated with the interference check samples yielded a vanadium result which was noncompliant on the negative side. All client samples and batch QA/QC were reanalyzed on a different calibration for vanadium. Due to continuing calibration verification failure on 10/14/05 at 17:01, client samples 01, 02 and 04 were reanalyzed on 10/17/05 for all analytes.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Serial Dilution/Post Digestion Spike: WG198673(6010) - All acceptance criteria were met.

SAMPLES

All acceptance criteria were met.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: SLP

Approved: 18-OCT-05
Maren Berry

KEMRON Environmental Services
Data Checklist

Date: 14-OCT-2005
Analyst: SLP
Analyst: NA
Method: 6010B
Instrument: IRIS-ICP
Curve Workgroup: 198686
Analytical Workgroups: 198639, 198673

Run Log ID:	7222
Calibration/Linearity	X
ICV/CCV	X
ICB/CCB	X
ICSA/ICSAB	X
CRI	
Blank/LCS	X
MS/MSD	X
Post Spike/Serial Dilution	X
Upload Results	X
Data Qualifiers	
Generate PDF Instrument Data	X
Sign/Annotate PDF Data	X
Upload Curve Data	X
Workgroup Forms	X
Case Narrative	204, 209, 213, 259, 264
Client Forms	X
Level X	
Level 3	
Level 4	204, 209, 213, 259, 264
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Primary Reviewer	SLP
Secondary Reviewer	MMB
Comments	

Primary Reviewer:
14-OCT-2005

Secondary Reviewer:
17-OCT-2005

Generated: OCT-17-2005 15:41:01

KEMRON Environmental Services
Data Checklist

Date: 17-OCT-2005
Analyst: SLP
Analyst: NA
Method: 6010B
Instrument: IRIS-ICP
Curve Workgroup: 198783
Analytical Workgroups: 198673, 198676, 198639, 198793

Run Log ID:	7243
Calibration/Linearity	X
ICV/CCV	X
ICB/CCB	X
ICSA/ICSAB	X
CRI	
Blank/LCS	X
MS/MSD	X
Post Spike/Serial Dilution	X
Upload Results	X
Data Qualifiers	
Generate PDF Instrument Data	X
Sign/Annotate PDF Data	X
Upload Curve Data	X
Workgroup Forms	X
Case Narrative	264, 204, 209, 259, 277, 261, 271
Client Forms	X
Level X	
Level 3	
Level 4	264, 204, 209, 259, 261, 271
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Primary Reviewer	SLP
Secondary Reviewer	LSB
Comments	

Primary Reviewer:
17-OCT-2005

Secondary Reviewer:
18-OCT-2005

Generated: OCT-18-2005 10:41:09

Example 6010 Calculations
Perkin Elmer Optima 3000 (PE-ICP)
1.0 Initial Calibration (ICAL) Parameters
The system performs linear regression from data consisting of a blank and three standards.
2.0 Calculating the concentration (C) of an element in water using data from prep log, run log, and quantitation report (note:the data system performs this calculation automatically when correction factors have been entered):

$$Cx = Cs \times \frac{Vf}{Vi} \times D$$

Where:	**Example:**
Cs = Concentration computed by the data system (mg/L) (ppm)	0.1
Vf = Final volume	1
Vi = Initial volume	1
D = Dilution factor as a multiplier (10X = 10)	1
Cx = Concentration of element in ppm (mg/L)	0.1

3.0 Calculating the concentration (C) of an element in soil using data from prep log, run log, and quantitation report (note: the data system performs this calculation automatically when correction factors have been entered):

$$Cx = Cs \times \frac{Vf}{Vi} \times D$$

Where:	**Example:**
Cs = Concentration computed by the data system (mg/L) (ppm)	0.1
Vf = Final volume	50
Vi = Initial volume	1
D = Dilution factor as a multiplier (10X = 10)	1
Cx = Concentration of element in ppm (mg/L)	5

4.0 Adjusting the concentration to dry weight:

$$Cdry = \frac{Cx \times 100}{Px}$$

Where:	**Example:**	
Cx = Concentration calculated as received (wet basis)	125	
Px = Percent solids of sample (%wt)	80	**12.5**
$Cdry$ = Dry weight of sample (mg/kg)	156.25	

ug/kg = 0.0125 mg/kg

Example 6010 Calculations
TJA - Iris
1.0 Initial Calibration (ICAL) Parameters
The system performs linear regression from data consisting of a blank and three standards.
2.0 Calculating the concentration (C) of an element in water using data from prep log, run log, and quantitation report (note:the data system performs this calculation automatically when correction factors have been entered):

$$Cx = Cs \times \frac{Vf}{Vi} \times D$$

Where:	**Example:**
Cs = Concentration computed by the data system (mg/L) (ppm)	0.1
Vf = Final volume	1
Vi = Initial volume	1
D = Dilution factor as a multiplier (10X = 10)	1
Cx = Concentration of element in ppm (mg/L)	0.1

3.0 Calculating the concentration (C) of an element in soil using data from prep log, run log, and quantitation report (note: the data system performs this calculation automatically when correction factors have been entered):

$$Cx = Cs \times \frac{Vf}{Vi} \times D$$

Where:	**Example:**
Cs = Concentration computed by the data system (mg/L) (ppm)	0.1
Vf = Final volume	50
Vi = Initial volume	1
D = Dilution factor as a multiplier (10X = 10)	1
Cx = Concentration of element in ppm (mg/L)	5

4.0 Adjusting the concentration to dry weight:

$$Cdry = \frac{Cx \times 100}{Px}$$

Where:	**Example:**	
Cx = Concentration calculated as received (wet basis)	125	
Px = Percent solids of sample (%wt)	80	**12.5**
$Cdry$ = Dry weight of sample (mg/kg)	156.25	

ug/kg = 0.0125 mg/kg

Metals Digestion Log

Analyst(s): NM
Date: 10/14/05 @ 0630
LCS: 5 ml DSS0085-30
MS/MSD: 5 ml DSS0085-30
Witness: NM
HNO_3 Lot #: DAM8-42
1:1HNO_3: DAM8-47
HCl Lot #: DAM8-08
H_2O_2 Lot #: RGT 10018
Earliest Sample Due Date: 10/14/05
Hotblock #: 3

Box: 70
Digestion Work Group: WG 198652

General Digestion
ME401 Revision # _____ - Method 3005A-Water
ME403 Revision # 11 - Method 3050B-Soil

Furnace Digestion
ME402 Revision # _____ - Method 3020A-Water
ME403 Revision # _____ - Method 3050B-Soil

AS/SE Digestion
ME410 Revision # _____ - Method 7060/7740-Water

Relinquished By: RCR
Digest Received By: CRC Date: 10/14/05

	KEMRON #	Initial WT/Vol	Final Volume	Comments	Due Date
1	MBS	1.00 g	50 ml	-02	
2	LCS			-03	
3	10-256-01				10/14
4	-02				
5	10-259-03			Low 14	10/20
6	10-264-01	1.05			10/19
7	-02	1.02			
8	-03	1.00		-01	
9	-03 MS			-04	
10	-03 MSD			-05	
11	-04				
12	10-277-01	1.02		PAINT CHIPS	10/21
13	-02	1.00			
14	-03	1.04			
15	-04	1.05			
16	10-278-01	0.45		Sx. Exhausted	10/21
17	-02	1.00			
18	-03				
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					

NM 10/14/05

Comments:

Primary Review: NM 10/14/05 Secondary Review: Vicki Collins 10/14/05

Instrument: IRIS-ICP Dataset: 20051014.1
Analyst 1: SLP Analyst 2: NA
Method: 6010B SOP: ME600F Rev: 4

Calibration Std: MI-30-29A ICV/CCV Std: STD10085 Post Spike: DSS0085-29
ICSA: STD10073 ICSAB: STD10080

Workgroups: 198639, 198673

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
1.	IR.101405.090100	WG198686-01	Standard		1		10/14/05 09:01
2.	IR.101405.090700	WG198686-02	Standard		1		10/14/05 09:07
3.	IR.101405.091300	WG198686-03	Standard		1		10/14/05 09:13
4.	IR.101405.091900	WG198686-04	Standard		1		10/14/05 09:19
5.	IR.101405.092500	WG198686-05	Standard		1		10/14/05 09:25
6.	IR.101405.093100	WG198686-06	Standard		1		10/14/05 09:31
7.	IR.101405.093800	WG198686-07	Initial Cal Verify		1		10/14/05 09:38
8.	IR.101405.094400	WG198686-08	Initial Cal Blank		1		10/14/05 09:44
9.	IR.101405.095000	WG198686-09	Interference Check		1		10/14/05 09:50
10.	IR.101405.095600	WG198686-10	Interference Check		1		10/14/05 09:56
11.	IR.101405.100200	WG198686-11	Continuing Cal Verif		1		10/14/05 10:02
12.	IR.101405.100800	WG198686-12	Continuing Cal Blank		1		10/14/05 10:08
13.	IR.101405.101400	WG198562-02	Method/Prep Blank	1/50	1		10/14/05 10:14
14.	IR.101405.102000	WG198562-03	Laboratory Control S	1/50	1		10/14/05 10:20
15.	IR.101405.102600	L0510204-01	FT03 COMP 3	1.02/50	1		10/14/05 10:26
16.	IR.101405.103200	WG198639-02	Serial Dilution		5	L0510204-01	10/14/05 10:32
17.	IR.101405.103800	WG198639-02	Serial Dilution		25	L0510204-01	10/14/05 10:38
18.	IR.101405.104400	WG198639-01	Post Digestion Spike		1	L0510204-01	10/14/05 10:44
19.	IR.101405.105000	WG198562-01	Reference Sample		1	L0510204-02	10/14/05 10:50
20.	IR.101405.105600	WG198562-04	Matrix Spike	1/50	1		10/14/05 10:56
21.	IR.101405.110200	WG198562-05	Matrix Spike Duplica	1/50	1		10/14/05 11:02
22.	IR.101405.110800	L0510209-02	KSD 01	1.02/50	1		10/14/05 11:08
23.	IR.101405.111400	WG198686-13	Continuing Cal Verif		1		10/14/05 11:14
24.	IR.101405.112000	WG198686-14	Continuing Cal Blank		1		10/14/05 11:20
25.	IR.101405.112600	L0510209-03	KSD 02	1.08/50	1		10/14/05 11:26
26.	IR.101405.113200	L0510209-04	KSD 03	1.04/50	1		10/14/05 11:32
27.	IR.101405.113800	L0510209-05	KSD 04	1.09/50	1		10/14/05 11:38
28.	IR.101405.114400	L0510209-06	QCDUP 07	1.05/50	1		10/14/05 11:44
29.	IR.101405.115000	L0510209-07	KSD 05	1.03/50	1		10/14/05 11:50
30.	IR.101405.115600	L0510209-08	KSD 06	1.05/50	1		10/14/05 11:56
31.	IR.101405.120200	L0510209-09	QCDUP 08	1/50	1		10/14/05 12:02
32.	IR.101405.120800	L0510213-01	S-1	1/50	1		10/14/05 12:08
33.	IR.101405.121400	L0510213-02	S-2	1.03/50	1		10/14/05 12:14
34.	IR.101405.122000	L0510213-03	S-3	1/50	1		10/14/05 12:20
35.	IR.101405.122600	WG198686-15	Continuing Cal Verif		1		10/14/05 12:26
36.	IR.101405.123200	WG198686-16	Continuing Cal Blank		1		10/14/05 12:32
37.	IR.101405.123800	L0510213-04	S-4	1.02/50	1		10/14/05 12:38
38.	IR.101405.124400	L0510213-05	S-5	1.04/50	1		10/14/05 12:44
39.	IR.101405.125000	L0510213-06	S-6	1/50	1		10/14/05 12:50
40.	IR.101405.125600	L0510213-07	S-7	1/50	1		10/14/05 12:56

Approved: October 17, 2005
Maren Berry

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
41.	IR.101405.130200	L0510213-08	S-8	1.03/50	1		10/14/05 13:02
42.	IR.101405.130800	L0510213-09	S-9	1.09/50	1		10/14/05 13:08
43.	IR.101405.131400	L0510204-01	FT03 COMP 3	1.02/50	10		10/14/05 13:14
44.	IR.101405.132000	WG198639-01	Post Digestion Spike		10	L0510204-01	10/14/05 13:20
45.	IR.101405.132600	WG198686-17	Continuing Cal Verif		1		10/14/05 13:26
46.	IR.101405.133200	WG198686-18	Continuing Cal Blank		1		10/14/05 13:32
47.	IR.101405.134100	WG198652-02	Method/Prep Blank		1		10/14/05 13:41
48.	IR.101405.134800	WG198652-03	Laboratory Control S		1		10/14/05 13:48
49.	IR.101405.135400	WG198652-01	Reference Sample		1	L0510264-03	10/14/05 13:54
50.	IR.101405.135900	WG198652-04	Matrix Spike		1		10/14/05 13:59
51.	IR.101405.140500	WG198652-05	Matrix Spike Duplica		1		10/14/05 14:05
52.	IR.101405.141100	L0510256-01	SPR-01		1		10/14/05 14:11
53.	IR.101405.142300	WG198686-19	Continuing Cal Verif		1		10/14/05 14:23
54.	IR.101405.142900	WG198686-20	Continuing Cal Blank		1		10/14/05 14:29
55.	IR.101405.143400	WG198652-02	Method/Prep Blank	1/50	1		10/14/05 14:34
56.	IR.101405.144000	WG198652-03	Laboratory Control S	1/50	1		10/14/05 14:40
57.	IR.101405.144600	WG198652-01	Reference Sample		1	L0510264-03	10/14/05 14:46
58.	IR.101405.145200	WG198652-04	Matrix Spike	1/50	1		10/14/05 14:52
59.	IR.101405.145800	WG198652-05	Matrix Spike Duplica	1/50	1		10/14/05 14:58
60.	IR.101405.150400	L0510256-01	SPR-01	1/50	1		10/14/05 15:04
61.	IR.101405.151000	WG198673-02	Serial Dilution		5	L0510256-01	10/14/05 15:10
62.	IR.101405.151600	WG198673-02	Serial Dilution		25	L0510256-01	10/14/05 15:16
63.	IR.101405.152200	WG198673-01	Post Digestion Spike		1	L0510256-01	10/14/05 15:22
64.	IR.101405.152800	L0510256-02	SPR-02	1/50	1		10/14/05 15:28
65.	IR.101405.153400	WG198686-21	Continuing Cal Verif		1		10/14/05 15:34
66.	IR.101405.154000	WG198686-22	Continuing Cal Blank		1		10/14/05 15:40
67.	IR.101405.154600	WG198673-01	Post Digestion Spike		5	L0510256-01	10/14/05 15:46
68.	IR.101405.155200	WG198686-23	Continuing Cal Verif		1		10/14/05 15:52
69.	IR.101405.155800	WG198686-24	Continuing Cal Blank		1		10/14/05 15:58
70.	IR.101405.160400	L0510259-03	AV-NCB-SS-I45-G-2-3-	1/50	1		10/14/05 16:04
71.	IR.101405.161000	L0510264-01	41-BG1-S-1012-05		1		10/14/05 16:10
72.	IR.101405.161600	L0510264-02	41-BG2-S-1012-05		1		10/14/05 16:16
73.	IR.101405.162200	L0510264-04	41-TS2-S-1012-05		1		10/14/05 16:22
74.	IR.101405.162800	L0510277-01	GT050578		1		10/14/05 16:28
75.	IR.101405.170100	WG198686-25	Continuing Cal Verif		1		10/14/05 17:01
76.	IR.101405.170700	WG198686-26	Continuing Cal Blank		1		10/14/05 17:07
77.	IR.101405.171400	L0510277-02	GT050580	1/50	1		10/14/05 17:14
78.	IR.101405.172000	L0510277-03	GT050579	1.04/50	1		10/14/05 17:20
79.	IR.101405.172600	L0510277-04	GT050582	1.05/50	1		10/14/05 17:26
80.	IR.101405.173200	L0510278-01	GC050064	.45/50	1		10/14/05 17:32
81.	IR.101405.173800	L0510278-02	GC050065	1/50	1		10/14/05 17:38
82.	IR.101405.174400	L0510278-03	GC050066	1/50	1		10/14/05 17:44
83.	IR.101405.175000	WG198686-27	Continuing Cal Verif		1		10/14/05 17:50
84.	IR.101405.175600	WG198686-28	Continuing Cal Blank		1		10/14/05 17:56

Comments.
74) Sample caused torch to extinguish. Re-ignited torch, analyzed CCV/CCB, and continued with analytical sequence.

Approved: October 17, 2005
Maren Berry

Approved: October 17, 2005
Maren Berry

Instrument: IRIS-ICP Dataset: 20051017.1
Analyst 1: SLP Analyst 2: NA
Method: 6010B SOP: ME600F Rev: 4

Calibration Std: MI-30-29A ICV/CCV Std: STD10085 Post Spike: DSS0085-29
ICSA: STD10073 ICSAB: STD10080

Workgroups: 198673, 198676, 198639, 198793

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
1.	IR.101705.095000	WG198783-01	Standard		1		10/17/05 09:50
2.	IR.101705.095600	WG198783-02	Standard		1		10/17/05 09:56
3.	IR.101705.100300	WG198783-03	Standard		1		10/17/05 10:03
4.	IR.101705.100900	WG198783-04	Standard		1		10/17/05 10:09
5.	IR.101705.101500	WG198783-05	Standard		1		10/17/05 10:15
6.	IR.101705.102100	WG198783-06	Standard		1		10/17/05 10:21
7.	IR.101705.103600	WG198783-07	Initial Cal Verify		1		10/17/05 10:36
8.	IR.101705.104100	WG198783-08	Initial Cal Blank		1		10/17/05 10:41
9.	IR.101705.104800	WG198783-09	Interference Check		1		10/17/05 10:48
10.	IR.101705.105300	WG198783-10	Interference Check		1		10/17/05 10:53
11.	IR.101705.105900	WG198783-11	Continuing Cal Verif		1		10/17/05 10:59
12.	IR.101705.110500	WG198783-12	Continuing Cal Blank		1		10/17/05 11:05
13.	IR.101705.111200	L0510264-01	41-BG1-S-1012-05	1.05/50	1		10/17/05 11:12
14.	IR.101705.111800	L0510264-02	41-BG2-S-1012-05	1.02/50	1		10/17/05 11:18
15.	IR.101705.112400	L0510264-04	41-TS2-S-1012-05	1/50	1		10/17/05 11:24
16.	IR.101705.113000	WG198783-13	Continuing Cal Verif		1		10/17/05 11:30
17.	IR.101705.113600	WG198783-14	Continuing Cal Blank		1		10/17/05 11:36
18.	IR.101705.114400	WG198659-02	Method/Prep Blank	50/50	1		10/17/05 11:44
19.	IR.101705.115000	WG198659-03	Laboratory Control S	50/50	1		10/17/05 11:50
20.	IR.101705.115600	WG198499-01	Fluid Blank		1		10/17/05 11:56
21.	IR.101705.120200	WG198659-01	Reference Sample		1	L0510204-01	10/17/05 12:02
22.	IR.101705.120900	WG198659-04	Matrix Spike	5/50	1		10/17/05 12:09
23.	IR.101705.121500	WG198659-05	Matrix Spike Duplica	5/50	1		10/17/05 12:15
24.	IR.101705.122100	L0510204-02	FT03 COMP 4	5/50	1		10/17/05 12:21
25.	IR.101705.122700	WG198676-01	Post Digestion Spike		1	L0510204-02	10/17/05 12:27
26.	IR.101705.123300	WG198783-15	Continuing Cal Verif		1		10/17/05 12:33
27.	IR.101705.123900	WG198783-16	Continuing Cal Blank		1		10/17/05 12:39
28.	IR.101705.124900	WG198562-02	Method/Prep Blank	1/50	1		10/17/05 12:49
29.	IR.101705.125500	WG198562-03	Laboratory Control S	1/50	1		10/17/05 12:55
30.	IR.101705.130100	L0510204-01	FT03 COMP 3	1.02/50	1		10/17/05 13:01
31.	IR.101705.130700	WG198562-01	Reference Sample		1	L0510204-02	10/17/05 13:07
32.	IR.101705.131300	WG198562-04	Matrix Spike	1/50	1		10/17/05 13:13
33.	IR.101705.131900	WG198562-05	Matrix Spike Duplica	1/50	1		10/17/05 13:19
34.	IR.101705.132500	L0510209-02	KSD 01	1.02/50	1		10/17/05 13:25
35.	IR.101705.133100	WG198639-04	Serial Dilution		5	L0510209-02	10/17/05 13:31
36.	IR.101705.133700	WG198639-04	Serial Dilution		25	L0510209-02	10/17/05 13:37
37.	IR.101705.134300	WG198639-03	Post Digestion Spike		1	L0510209-02	10/17/05 13:43
38.	IR.101705.134900	WG198783-17	Continuing Cal Verif		1		10/17/05 13:49
39.	IR.101705.135500	WG198783-18	Continuing Cal Blank		1		10/17/05 13:55
40.	IR.101705.140100	L0510209-03	KSD 02	1.08/50	1		10/17/05 14:01

Approved: October 18, 2005

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
41.	IR.101705.140700	L0510209-04	KSD 03	1.04/50	1		10/17/05 14:07
42.	IR.101705.141300	L0510209-05	KSD 04	1.09/50	1		10/17/05 14:13
43.	IR.101705.142300	L0510209-06	QCDUP 07	1.05/50	1		10/17/05 14:23
44.	IR.101705.142900	L0510209-07	KSD 05	1.03/50	1		10/17/05 14:29
45.	IR.101705.143500	L0510209-08	KSD 06	1.05/50	1		10/17/05 14:35
46.	IR.101705.144100	L0510209-09	QCDUP 08	1/50	1		10/17/05 14:41
47.	IR.101705.144700	L0510209-07	KSD 05	1.03/50	10		10/17/05 14:47
48.	IR.101705.145300	WG198783-19	Continuing Cal Verif		1		10/17/05 14:53
49.	IR.101705.145900	WG198783-20	Continuing Cal Blank		1		10/17/05 14:59
50.	IR.101705.150900	WG198652-02	Method/Prep Blank	1/50	1		10/17/05 15:09
51.	IR.101705.151500	WG198652-03	Laboratory Control S	1/50	1		10/17/05 15:15
52.	IR.101705.152100	WG198652-01	Reference Sample		1	L0510264-03	10/17/05 15:21
53.	IR.101705.152700	WG198652-04	Matrix Spike	1/50	1		10/17/05 15:27
54.	IR.101705.153300	WG198652-05	Matrix Spike Duplica	1/50	1		10/17/05 15:33
55.	IR.101705.153900	L0510259-03	AV-NCB-SS-I45-G-2-3-	1/50	1		10/17/05 15:39
56.	IR.101705.154500	WG198673-04	Serial Dilution		5	L0510259-03	10/17/05 15:45
57.	IR.101705.155100	WG198673-03	Post Digestion Spike		1	L0510259-03	10/17/05 15:51
58.	IR.101705.155700	WG198783-21	Continuing Cal Verif		1		10/17/05 15:57
59.	IR.101705.160300	WG198783-22	Continuing Cal Blank		1		10/17/05 16:03
60.	IR.101705.161300	L0510277-01	GT050578	1.02/50	100		10/17/05 16:13
61.	IR.101705.161900	WG198783-23	Continuing Cal Verif		1		10/17/05 16:19
62.	IR.101705.162500	WG198783-24	Continuing Cal Blank		1		10/17/05 16:25
63.	IR.101705.163600	WG198755-02	Method/Prep Blank	1/50	1		10/17/05 16:36
64.	IR.101705.164200	WG198755-03	Laboratory Control S	1/50	1		10/17/05 16:42
65.	IR.101705.164800	L0510271-03	SO-B950-BH6536-010	1/50	1		10/17/05 16:48
66.	IR.101705.165400	WG198793-02	Serial Dilution		5	L0510271-03	10/17/05 16:54
67.	IR.101705.170000	WG198793-02	Serial Dilution		25	L0510271-03	10/17/05 17:00
68.	IR.101705.170600	WG198793-01	Post Digestion Spike		1	L0510271-03	10/17/05 17:06
69.	IR.101705.171200	L0510271-04	SO-B950-BH6536-020	1.12/50	1		10/17/05 17:12
70.	IR.101705.171800	L0510271-05	SO-B950-BH6537-010	1.11/50	1		10/17/05 17:18
71.	IR.101705.172400	WG198755-01	Reference Sample		1	L0510271-06	10/17/05 17:24
72.	IR.101705.173000	WG198755-04	Matrix Spike	1.12/50	1	L0510271-07	10/17/05 17:30
73.	IR.101705.173600	WG198783-25	Continuing Cal Verif		1		10/17/05 17:36
74.	IR.101705.174200	WG198783-26	Continuing Cal Blank		1		10/17/05 17:42
75.	IR.101705.174800	WG198755-05	Matrix Spike Duplica	1.12/50	1	L0510271-08	10/17/05 17:48
76.	IR.101705.175400	L0510271-12	SO-B950-BH6531-010	1.22/50	1		10/17/05 17:54
77.	IR.101705.180000	L0510271-13	SO-B950-BH6532-010	1.11/50	1		10/17/05 18:00
78.	IR.101705.180600	L0510271-14	SO-B950-BH6534-010	1.24/50	1		10/17/05 18:06
79.	IR.101705.181200	L0510271-15	SO-B950-BH6534-011	1.24/50	1		10/17/05 18:12
80.	IR.101705.181800	L0510271-16	SO-B950-BH6530-010	1.26/50	1		10/17/05 18:18
81.	IR.101705.182400	L0510134-04	GT50940	1.02/50	1		10/17/05 18:24
82.	IR.101705.183000	L0510134-05	GT50941	1.1/50	1		10/17/05 18:30
83.	IR.101705.183600	L0510261-01	CAARNG 001NSW	1/50	1		10/17/05 18:36
84.	IR.101705.184200	L0510261-02	CAARNG 002ESW	1.06/50	1		10/17/05 18:42
85.	IR.101705.184800	WG198783-27	Continuing Cal Verif		1		10/17/05 18:48
86.	IR.101705.185400	WG198783-28	Continuing Cal Blank		1		10/17/05 18:54
87.	IR.101705.190000	L0510261-03	CAARNG 003SSW	1.08/50	1		10/17/05 19:00

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Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
88.	IR.101705.190600	L0510261-04	CAARNG 004WB	1.02/50	1		10/17/05 19:06
89.	IR.101705.191200	L0510261-05	CAARNG 005EB	1.06/50	1		10/17/05 19:12
90.	IR.101705.191800	L0510261-06	CAARNG 006B	1.04/50	1		10/17/05 19:18
91.	IR.101705.192400	L0510261-07	CAARNG 007B	1.03/50	1		10/17/05 19:24
92.	IR.101705.193000	WG198783-29	Continuing Cal Verif		1		10/17/05 19:30
93.	IR.101705.193600	WG198783-30	Continuing Cal Blank		1		10/17/05 19:36

Comments.
47) Mn OLR; reanalyzed @ dil. for Ca. 75) Ca OLR; needs reanalyzed (along with 06 and 07MS) for Ca @ dil.

Approved: October 18, 2005

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

Analytical Method: 6010B AAB#: WG198673

Login Number: L0510264

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
41-BG1-S-1012-05	10/12/05	10/13/05	10/14/05	180	1.71	10/17/05	180	3.20	
41-BG2-S-1012-05	10/12/05	10/13/05	10/14/05	180	1.70	10/17/05	180	3.20	
41-BF2-S-1012-05	10/12/05	10/13/05	10/14/05	180	1.63	10/14/05	180	0.344	
41-BF2-S-1012-05	10/12/05	10/13/05	10/14/05	180	1.63	10/17/05	180	3.37	
41-TS2-S-1012-05	10/12/05	10/13/05	10/14/05	180	1.62	10/17/05	180	3.20	

* EXT = SEE PROJECT QAPP REQUIREMENTS

*ANAL = SEE PROJECT QAPP REQUIREMENTS

KEMRON FORMS - Modified 11/05/2004
Version 1.5 PDF File ID: 335880
Report generated 10/18/2005 09:11

KEMRON Environmental Services

METHOD BLANK SUMMARY

Login Number: L0510264
Blank File ID: IR.101405.143400
Date Analyzed: 10/14/05
Time Analyzed: 14:34
Analyst: SLP

Work Group: WG198673
Blank Sample ID: WG198652-02
Instrument ID: IRIS-ICP
Method: 6010B

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG198652-03	IR.101405.144000	10/14/05 14:40	01
41-BF2-S-1012-05	L0510264-03	IR.101405.144600	10/14/05 14:46	01
41-BG1-S-1012-05	L0510264-01	IR.101705.111200	10/17/05 11:12	01
41-BG2-S-1012-05	L0510264-02	IR.101705.111800	10/17/05 11:18	01
41-TS2-S-1012-05	L0510264-04	IR.101705.112400	10/17/05 11:24	01
LCS	WG198652-03	IR.101705.151500	10/17/05 15:15	02
41-BF2-S-1012-05	L0510264-03	IR.101705.152100	10/17/05 15:21	02

KEMRON Environmental Services

METHOD BLANK SUMMARY

Login Number: L0510264
Blank File ID: IR.101705.150900
Date Analyzed: 10/17/05
Time Analyzed: 15:09
Analyst: SLP

Work Group: WG198673
Blank Sample ID: WG198652-02
Instrument ID: IRIS-ICP
Method: 6010B

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG198652-03	IR.101405.144000	10/14/05 14:40	01
41-BF2-S-1012-05	L0510264-03	IR.101405.144600	10/14/05 14:46	01
41-BG1-S-1012-05	L0510264-01	IR.101705.111200	10/17/05 11:12	01
41-BG2-S-1012-05	L0510264-02	IR.101705.111800	10/17/05 11:18	01
41-TS2-S-1012-05	L0510264-04	IR.101705.112400	10/17/05 11:24	01
LCS	WG198652-03	IR.101705.151500	10/17/05 15:15	02
41-BF2-S-1012-05	L0510264-03	IR.101705.152100	10/17/05 15:21	02

KEMRON Environmental Services

METHOD BLANK REPORT

Login Number: L0510264 Run Date: 10/14/2005 Sample ID: WG198652-02
Instrument ID: IRIS-ICP Run Time: 14:34 Prep Method: 3050B
File ID: IR.101405.143400 Analyst: SLP Method: 6010B
Workgroup (AAB#): WG198673 Matrix: Soil Units: mg/kg
Contract #: Cal ID: IRIS-I-14-OCT-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Aluminum	10.0	20.0	10.0	1	U
Silver	0.250	2.00	0.250	1	U
Arsenic	0.500	1.00	0.500	1	U
Barium	0.100	0.500	0.100	1	U
Beryllium	0.0120	0.500	0.0120	1	U
Calcium	5.00	10.0	5.00	1	U
Cadmium	0.0500	0.500	0.0500	1	U
Cobalt	0.120	1.00	0.120	1	U
Chromium	0.120	1.00	0.120	1	U
Copper	0.500	1.00	0.500	1	U
Iron	1.00	2.00	1.00	1	U
Potassium	25.0	50.0	25.0	1	U
Magnesium	12.0	25.0	12.0	1	U
Manganese	0.100	0.500	0.100	1	U
Sodium	5.00	25.0	5.00	1	U
Nickel	0.500	2.00	0.500	1	U
Lead	0.500	5.00	0.500	1	U
Antimony	0.500	10.0	0.500	1	U
Selenium	0.500	5.00	0.500	1	U
Zinc	0.500	1.00	0.500	1	U

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Version 1.5 PDF File ID: 335882
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KEMRON Environmental Services

METHOD BLANK REPORT

Login Number: L0510264 Run Date: 10/17/2005 Sample ID: WG198652-02
Instrument ID: IRIS-ICP Run Time: 15:09 Prep Method: 3050B
File ID: IR.101705.150900 Analyst: SLP Method: 6010B
Workgroup (AAB#): WG198673 Matrix: Soil Units: mg/kg
Contract #: Cal ID: IRIS-I-17-OCT-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Vanadium	0.250	0.500	0.250	1	U

KEMRON FORMS - Modified 05/17/2005
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KEMRON Environmental Services

LABORATORY CONTROL SAMPLE

Login Number: L0510264 Run Date: 10/14/2005 Sample ID: WG198652-03
Instrument ID: IRIS-ICP Run Time: 14:40 Prep Method: 3050B
File ID: IR.101405.144000 Analyst: SLP Method: 6010B
Workgroup (AAB#): WG198673 Matrix: Soil Units: mg/kg
Contract #: Cal ID: IRIS-I-14-OCT-05

Analytes	Expected	Found	% Rec	LCS Limits	Q
Aluminum	250	246	98.5	80 - 120	
Silver	10.0	9.45	94.5	80 - 120	
Arsenic	10.0	9.43	94.3	80 - 120	
Barium	25.0	24.8	99.1	80 - 120	
Beryllium	1.25	1.24	99.0	80 - 120	
Calcium	250	252	101	80 - 120	
Cadmium	1.25	1.26	101	80 - 120	
Cobalt	5.00	5.02	100	80 - 120	
Chromium	12.5	12.3	98.3	80 - 120	
Copper	12.5	12.9	103	80 - 120	
Iron	100	100	100	80 - 120	
Potassium	1250	1170	93.3	80 - 120	
Magnesium	250	226	90.5	80 - 120	
Manganese	12.5	12.4	98.9	80 - 120	
Sodium	1250	1230	98.5	80 - 120	
Nickel	12.5	12.4	98.8	80 - 120	
Lead	12.5	12.8	102	80 - 120	
Antimony	30.0	27.8	92.7	80 - 120	
Selenium	10.0	9.41	94.1	80 - 120	
Zinc	25.0	23.6	94.3	80 - 120	

KEMRON FORMS - Modified 09/09/2005
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Report generated 10/18/2005 09:11

KEMRON Environmental Services

LABORATORY CONTROL SAMPLE

Login Number: L0510264 Run Date: 10/17/2005 Sample ID: WG198652-03
Instrument ID: IRIS-ICP Run Time: 15:15 Prep Method: 3050B
File ID: IR.101705.151500 Analyst: SLP Method: 6010B
Workgroup (AAB#): WG198673 Matrix: Soil Units: mg/kg
Contract #: Cal ID: IRIS-I-17-OCT-05

Analytes	Expected	Found	% Rec	LCS Limits	Q
Vanadium	25.0	23.7	94.8	80 - 120	

KEMRON FORMS - Modified 09/09/2005
Version 1.5 PDF File ID: 335883
Report generated 10/18/2005 09:11

KEMRON Environmental Services

MS/MSD REPORT

Loginnum: L0510264 Cal ID: IRIS-ICP-14-OCT-2005 09:31 Worknum: WG198673
Instrument ID: IRIS-ICP Contract #: Method: 6010B
Parent ID: WG198652-01 File ID: IR.101405.144600 Dil: 1 Matrix: SOLID
Sample ID: WG198652-04 MS File ID: IR.101405.145200 Dil: 1 Units: mg/kg
Sample ID: WG198652-05 MSD File ID: IR.101405.145800 Dil: 1 Percent Solid: 91.3

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Aluminum, Total	2680	274	3700	372	274	3760	395	1.71	75 - 125	20	*
Antimony, Total	ND	32.9	30.2	91.9	32.9	30.0	91.1	0.821	75 - 125	20	
Arsenic, Total	ND	11.0	10.7	97.8	11.0	10.8	98.3	0.571	75 - 125	20	
Barium, Total	1.35	27.4	29.2	102	27.4	29.1	101	0.273	75 - 125	20	
Beryllium, Total	0.0214	1.37	1.38	99.2	1.37	1.40	101	1.42	75 - 125	20	
Cadmium, Total	0.0630	1.37	1.45	101	1.37	1.44	101	0.720	75 - 125	20	
Calcium, Total	23.0	274	524	183	274	316	107	49.5	75 - 125	20	*
Chromium, Total	2.15	13.7	16.0	101	13.7	16.1	102	0.814	75 - 125	20	
Cobalt, Total	0.226	5.48	5.76	101	5.48	5.75	101	0.248	75 - 125	20	
Copper, Total	ND	13.7	14.6	107	13.7	14.4	105	1.28	75 - 125	20	
Iron, Total	288	110	516	208	110	600	284	15.0	75 - 125	20	*
Lead, Total	1.02	13.7	14.8	100	13.7	14.4	98.1	2.18	75 - 125	20	
Magnesium, Total	21.3	274	285	96.1	274	293	99.3	2.99	75 - 125	20	
Manganese, Total	2.50	13.7	18.4	116	13.7	17.7	111	3.72	75 - 125	20	
Nickel, Total	0.736	13.7	14.5	100	13.7	14.7	102	1.30	75 - 125	20	
Potassium, Total	ND	1370	1300	95.3	1370	1320	96.5	1.24	75 - 125	20	
Selenium, Total	ND	11.0	11.2	102	11.0	11.1	102	0.152	75 - 125	20	
Silver, Total	ND	11.0	10.1	92.6	11.0	10.3	94.3	1.83	75 - 125	20	
Sodium, Total	ND	1370	1350	98.6	1370	1370	100	1.39	75 - 125	20	
Zinc, Total	0.529	27.4	26.1	93.2	27.4	26.3	94.1	0.988	75 - 125	20	

* FAILS %REC LIMIT

FAILS RPD LIMIT

KEMRON FORMS - Modified 03/21/2005
Version 1.5 PDF File ID: 335884
Report generated 10/18/2005 09:11

KEMRON Environmental Services

MS/MSD REPORT

Loginnum: L0510264 Cal ID: IRIS-ICP-17-OCT-2005 10:21 Worknum: WG198673
Instrument ID: IRIS-ICP Contract #: Method: 6010B
Parent ID: WG198652-01 File ID: IR.101705.152100 Dil: 1 Matrix: SOLID
Sample ID: WG198652-04 MS File ID: IR.101705.152700 Dil: 1 Units: mg/kg
Sample ID: WG198652-05 MSD File ID: IR.101705.153300 Dil: 1 Percent Solid: 91.3

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Vanadium, Total	2.03	27.4	28.6	96.9	27.4	29.2	99.1	2.13	75 - 125	20	

* FAILS %REC LIMIT

FAILS RPD LIMIT

KEMRON FORMS - Modified 03/21/2005
Version 1.5 PDF File ID: 335884
Report generated 10/18/2005 09:11

KEMRON ENVIRONMENTAL SERVICES
SERIAL DILUTION REPORT

Sample Login ID: L0510264 Worknum: WG198673
Instrument ID: IRIS-ICP Method: 6010B
Sample ID: L0510256-01 File ID: IR.101405.150400 Dil: 1 Units: mg/l
Serial Dilution ID: WG198673-02 File ID: IR.101405.151000 Dil: 5

Analyte	Sample	C	Serial Dilution	C	% Difference	Q
Aluminum	136		149		9.56	
Antimony	0.0354	F	0.0461	F	30.2	
Arsenic	0.168	X	0.175	X	4.17	
Barium	3.60		3.80		5.56	
Beryllium	0.00697	F	0.00760	F	9.04	
Cadmium	0.149		0.159		6.71	
Calcium	982		1120		14.1	E
Chromium	1.38		1.55		12.3	E
Cobalt	0.201		0.238		18.4	E
Copper	2.59		2.73		5.41	
Iron	504		590		17.1	E
Lead	7.58		9.20		21.4	E
Magnesium	275		293		6.55	
Manganese	13.1		16.2		23.7	E
Nickel	0.773		0.904		16.9	E
Potassium	17.9	X	21.1	X	17.9	
Selenium	ND	U	ND	U		
Silver	0.0383	F	0.0466	X	21.7	
Sodium	1.46	X	1.72	X	17.8	
Vanadium	0.344		0.367		6.69	
Zinc	24.3		28.5		17.3	E

U = Result is below MDL
F = Result is between MDL and RL
X = Result is greater than RL and less than 50 times the MDL
E = %D exceeds control limit of 10% and initial
sample result is greater than or equal to 50 times the MDL

KEMRON FORMS - Modified 07/18/2005
Version 1.3 PDF File ID: 335878
Report generated 10/18/2005 09:11

KEMRON ENVIRONMENTAL SERVICES
SERIAL DILUTION REPORT

Sample Login ID: L0510264 Worknum: WG198673
Instrument ID: IRIS-ICP Method: 6010B
Sample ID: L0510256-01 File ID: IR.101405.151000 Dil: 5 Units: mg/l
Serial Dilution ID: WG198673-02 File ID: IR.101405.151600 Dil: 25

Analyte	Sample	C	Serial Dilution	C	% Difference	Q
Aluminum	149		150		0.671	
Antimony	0.0461	F	ND	U	110	
Arsenic	0.175	X	0.0423	X	75.8	
Barium	3.80		3.79		0.263	
Beryllium	0.00760	F	0.00800	F	5.26	
Cadmium	0.159		0.159		0.00	
Calcium	1120		1140		1.79	
Chromium	1.55		1.67		7.74	
Cobalt	0.238		0.248		4.20	
Copper	2.73		2.70		1.10	
Iron	590		633		7.29	
Lead	9.20		10.3		12.0	E
Magnesium	293		288		1.71	
Manganese	16.2		17.8		9.88	
Nickel	0.904		0.957		5.86	
Potassium	21.1	X	20.8	X	1.42	
Selenium	ND	U	ND	U		
Silver	0.0466	X	0.0413	X	11.4	
Sodium	1.72	X	1.26	X	26.7	
Vanadium	0.367		0.318		13.4	E
Zinc	28.5		30.1		5.61	

U = Result is below MDL
F = Result is between MDL and RL
X = Result is greater than RL and less than 50 times the MDL
E = %D exceeds control limit of 10% and initial
sample result is greater than or equal to 50 times the MDL

KEMRON FORMS - Modified 07/18/2005
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KEMRON ENVIRONMENTAL SERVICES
SERIAL DILUTION REPORT

Sample Login ID: L0510264 Worknum: WG198673
Instrument ID: IRIS-ICP Method: 6010B
Sample ID: L0510259-03 File ID: IR.101705.153900 Dil: 1 Units: mg/l
Serial Dilution ID: WG198673-04 File ID: IR.101705.154500 Dil: 5

Analyte	Sample	C	Serial Dilution	C	% Difference	Q
Aluminum	40.2		39.5		1.74	
Antimony	0.00583	U	0.0673	F	1050	
Arsenic	0.155	X	0.134	X	13.5	
Barium	1.34		1.29		3.73	
Beryllium	0.0187		0.0182		2.67	
Cadmium	0.00319	F	0.00545	F	70.8	
Calcium	70.5		69.5		1.42	
Chromium	0.120		0.121		0.833	
Cobalt	0.0963	X	0.0992	X	3.01	
Copper	0.273	X	0.259	X	5.13	
Iron	126		129		2.38	
Lead	0.447	X	0.479	X	7.16	
Magnesium	7.61	X	7.19	X	5.52	
Manganese	0.966		0.987		2.17	
Nickel	0.165	X	0.164	X	0.606	
Potassium	4.34	X	4.12	X	5.07	
Selenium	0.0255	F	ND	U	175	
Silver	0.00650	F	0.0141	F	117	
Sodium	1.07	X	1.04	X	2.80	
Vanadium	0.188	X	0.177	X	5.85	
Zinc	0.866		0.857		1.04	

U = Result is below MDL
F = Result is between MDL and RL
X = Result is greater than RL and less than 50 times the MDL
E = %D exceeds control limit of 10% and initial
sample result is greater than or equal to 50 times the MDL

KEMRON FORMS - Modified 07/18/2005
Version 1.3 PDF File ID: 335878
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KEMRON ENVIRONMENTAL SERVICES
POST SPIKE REPORT

Sample Login ID: L0510264 Worknum: WG198673
Instrument ID: IRIS-ICP Method: 6010B
Post Spike ID: WG198673-01 File ID: IR.101405.152200 Dil: 1 Units: mg/l
Sample ID: L0510256-01 File ID: IR.101405.150400 Dil: 1 Matrix: Soil

Analyte	Control Limit %R	Post Spike Result	C	Sample Result	C	Spike Added(SA)	% R	Q
Aluminum	75 - 125	128		136		5.0	112	
Antimony	75 - 125	0.547		0.0354		0.6	85.9	
Arsenic	75 - 125	0.322		0.168		0.2	85.4	
Barium	75 - 125	3.70		3.60		0.5	92.0	
Beryllium	75 - 125	0.0284		0.00697		0.025	88.5	
Cadmium	75 - 125	0.159		0.149		0.025	99.6	
Calcium	75 - 125	898		982		5.0	284	N
Chromium	75 - 125	1.45		1.38		0.25	83.2	
Cobalt	75 - 125	0.263		0.201		0.1	82.1	
Copper	75 - 125	2.59		2.59		0.25	104	
Iron	75 - 125	464		504		2.0	520	N
Lead	75 - 125	7.25		7.58		0.25	171	N
Magnesium	75 - 125	251		275		5.0	70.0	N
Manganese	75 - 125	12.2		13.1		0.25	164	N
Nickel	75 - 125	0.901		0.773		0.25	82.1	
Potassium	75 - 125	37.1		17.9		25.0	84.0	
Selenium	75 - 125	0.0765		ND		0.2	38.3	N
Silver	75 - 125	0.222		0.0383		0.2	93.8	
Sodium	75 - 125	22.0		1.46		25.0	82.7	
Vanadium	75 - 125	0.748		0.344		0.5	87.7	
Zinc	75 - 125	22.5		24.3		0.5	126	N

N = % Recoverv exceeds control limits of 75% - 125%
F = Result is between MDL and RL
U = Sample result is below MDL. A value of zero is used in the calculation.

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Version 1.3 PDF File ID: 335879
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KEMRON ENVIRONMENTAL SERVICES
POST SPIKE REPORT

Sample Login ID: L0510264 Worknum: WG198673
Instrument ID: IRIS-ICP Method: 6010B
Post Spike ID: WG198673-01 File ID: IR.101405.154600 Dil: 5 Units: mg/l
Sample ID: L0510256-01 File ID: IR.101405.151000 Dil: 5 Matrix: Soil

Analyte	Control Limit %R	Post Spike Result	C	Sample Result	C	Spike Added(SA)	% R	Q
Aluminum	75 - 125	171		149		25.0	88.0	
Antimony	75 - 125	2.96		0.0461		3.0	97.1	
Arsenic	75 - 125	1.20		0.175		1.0	103	
Barium	75 - 125	6.14		3.80		2.5	93.6	
Beryllium	75 - 125	0.126		0.00760		0.125	94.7	
Cadmium	75 - 125	0.285		0.159		0.125	101	
Calcium	75 - 125	1120		1120		25.0	0	N
Chromium	75 - 125	2.66		1.55		1.25	88.8	
Cobalt	75 - 125	0.704		0.238		0.5	93.2	
Copper	75 - 125	3.90		2.73		1.25	93.6	
Iron	75 - 125	586		590		10.0	-40.0	N
Lead	75 - 125	10.2		9.20		1.25	80.0	
Magnesium	75 - 125	304		293		25.0	44.0	N
Manganese	75 - 125	16.9		16.2		1.25	56.0	N
Nickel	75 - 125	2.07		0.904		1.25	93.3	
Potassium	75 - 125	140		21.1		125.0	95.1	
Selenium	75 - 125	0.930		ND		1.0	93.0	
Silver	75 - 125	0.988		0.0466		1.0	94.1	
Sodium	75 - 125	124		1.72		125.0	97.8	
Vanadium	75 - 125	2.68		0.367		2.5	92.5	
Zinc	75 - 125	29.8		28.5		2.5	52.0	N

N = % Recoverv exceeds control limits of 75% - 125%
F = Result is between MDL and RL
U = Sample result is below MDL. A value of zero is used in the calculation.

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KEMRON ENVIRONMENTAL SERVICES
POST SPIKE REPORT

Sample Login ID: L0510264 Worknum: WG198673
Instrument ID: IRIS-ICP Method: 6010B
Post Spike ID: WG198673-03 File ID: IR.101705.155100 Dil: 1 Units: mg/l
Sample ID: L0510259-03 File ID: IR.101705.153900 Dil: 1 Matrix: Soil

Analyte	Control Limit %R	Post Spike Result	C	Sample Result	C	Spike Added(SA)	% R	Q
Aluminum	75 - 125	41.7		40.2		5.0	110	
Antimony	75 - 125	0.601		0	U	0.6	100	
Arsenic	75 - 125	0.337		0.155		0.2	98.8	
Barium	75 - 125	1.71		1.34		0.5	101	
Beryllium	75 - 125	0.0411		0.0187		0.025	97.1	
Cadmium	75 - 125	0.0283		0.00319	F	0.025	102	
Calcium	75 - 125	69.2		70.5		5.0	115	
Chromium	75 - 125	0.341		0.120		0.25	93.2	
Cobalt	75 - 125	0.185		0.0963		0.1	98.3	
Copper	75 - 125	0.516		0.273		0.25	108	
Iron	75 - 125	115		126		2.0	80.0	
Lead	75 - 125	0.648		0.447		0.25	98.3	
Magnesium	75 - 125	11.4		7.61		5.0	91.0	
Manganese	75 - 125	1.10		0.966		0.25	92.2	
Nickel	75 - 125	0.389		0.165		0.25	96.2	
Potassium	75 - 125	29.8		4.34		25.0	104	
Selenium	75 - 125	0.241		0.0255	F	0.2	109	
Silver	75 - 125	0.197		0.00650	F	0.2	95.6	
Sodium	75 - 125	28.0		1.07		25.0	108	
Vanadium	75 - 125	0.636		0.188		0.5	93.4	
Zinc	75 - 125	1.23		0.866		0.5	90.1	

N = % Recoverv exceeds control limits of 75% - 125%
F = Result is between MDL and RL
U = Sample result is below MDL. A value of zero is used in the calculation.

KEMRON FORMS - Modified 09/21/2005
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KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 **Workgroup (AAB#):** WG198673
Analytical Method: 6010B **Instrument ID:** IRIS-ICP
ICAL Worknum: WG198686 **Initial Calibration Date:** 14-OCT-2005 09:31:00

Analyte	WG198686-01		WG198686-02		WG198686-03		WG198686-04		WG198686-05		WG198686-06	
	STD	INT	STD	INT	STD	INT	STD	INT	STD	INT	STD	INT
Aluminum	0	.02956	.1	.11273	.2	.30496	5	7.6568	10	15.205	20	30.498
Antimony	0	.01221	.012	.04997	.024	.1066	.6	2.1411	1.2	4.3311	2.4	8.7653
Arsenic	0	-.00444	NA	NA	.008	.02554	.2	.59191	.4	1.1971	.8	2.4209
Barium	0	-.14413	.01	4.6313	.02	9.4094	.5	262.09	1	523.15	2	1048.5
Beryllium	0	.04805	.0005	.53593	.001	1.2753	.025	34.04	.05	68.373	.1	136.12
Cadmium	0	.26066	NA	NA	.001	.28398	.025	1.5675	.05	2.8677	.1	5.5404
Calcium	0	.08132	.1	.79284	.2	1.4398	5	35.378	10	70.144	20	142.22
Chromium	0	-.4608	.005	-.05885	.01	.36865	.25	21.958	.5	44.669	1	89.874
Cobalt	0	-.02665	NA	NA	.004	.16545	.1	4.3394	.2	8.6049	.4	17.348
Copper	0	.24022	NA	NA	.01	.69124	.25	12.204	.5	23.603	1	47.387
Iron	0	.29093	.04	.50694	.08	.77119	2	12.124	4	23.938	8	48.404
Lead	0	.22207	NA	NA	.01	.27537	.25	1.5625	.5	2.8274	1	5.4093
Magnesium	0	.02587	NA	NA	.2	.1035	5	2.9984	10	6.2271	20	12.404
Manganese	0	.29203	.005	3.9293	.01	7.424	.25	185.6	.5	375.57	1	751.34
Nickel	0	-.16656	NA	NA	.01	.22319	.25	9.545	.5	19.214	1	38.243
Potassium	0	.23289	.5	7.1161	1	14.364	25	402.97	50	779.52	100	1481.6
Selenium	0	.03609	NA	NA	.008	.03331	.2	.34204	.4	.65799	.8	1.3604
Silver	0	-.04065	NA	NA	.008	.14785	.2	7.2057	.4	14.776	.8	29.493
Sodium	0	6.0944	.5	61.081	1	117.12	25	3139.7	50	5977	100	10914
Vanadium	0	1.3305	.01	1.6891	.02	1.9739	.5	18.36	1	35.776	2	68.687
Zinc	0	.17766	.01	1.0188	.02	1.7028	.5	38.603	1	78.32	2	157.5

INT = Instrument intensity
R = Coefficient of correlation
Q = Data Qualifier
*** = Out of Compliance; R < 0.995**

KEMRON FORMS - Modified 06/03/2005
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KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264

Analytical Method: 6010B

ICAL Worknum: WG198686

Instrument ID: IRIS-ICP

Initial Calibration Date: 14-OCT-2005 09:31:00

Analyte	R	Q
Aluminum	0.999686	
Antimony	0.999906	
Arsenic	0.999817	
Barium	0.999967	
Beryllium	0.999859	
Cadmium	0.999113	
Calcium	0.999976	
Chromium	0.999962	
Cobalt	0.999961	
Copper	0.999968	
Iron	0.999954	
Lead	0.999935	
Magnesium	0.999517	
Manganese	0.999982	
Nickel	0.999988	
Potassium	0.999447	
Selenium	0.995265	
Silver	0.999610	
Sodium	0.998463	
Vanadium	0.999939	
Zinc	0.999959	

INT = Instrument intensity
R = Coefficient of correlation
Q = Data Qualifier
* = Out of Compliance; R < 0.995

KEMRON FORMS - Modified 06/03/2005
Version 1.5 PDF File ID: 335887
Report generated 10/18/2005 09:12

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 **Workgroup (AAB#):** WG198673
Analytical Method: 6010B **Instrument ID:** IRIS-ICP
ICAL Worknum: WG198783 **Initial Calibration Date:** 17-OCT-2005 10:21:00

Analyte	WG198783-01		WG198783-02		WG198783-03		WG198783-04		WG198783-05		WG198783-06	
	STD	INT	STD	INT	STD	INT	STD	INT	STD	INT	STD	INT
Aluminum	0	.06283	.1	.1534	.2	.26606	5	7.0378	10	14.055	20	28.079
Antimony	0	-.02221	.012	.05441	.024	.09105	.6	2.1422	1.2	4.3388	2.4	8.752
Arsenic	0	-.00555	NA	NA	.008	.01444	.2	.623	.4	1.286	.8	2.5409
Barium	0	-.16076	.01	4.6854	.02	9.3619	.5	255.4	1	508.97	2	1020.1
Beryllium	0	.02217	.0005	.66537	.001	1.3229	.025	35.651	.05	70.748	.1	141.78
Cadmium	0	.21735	NA	NA	.001	.27232	.025	1.5708	.05	2.9384	.1	5.6503
Calcium	0	.16261	.1	.88717	.2	1.5612	5	38.074	10	75.539	20	153.24
Chromium	0	-.48965	.005	-.04775	.01	.41973	.25	23.266	.5	47.222	1	95.762
Cobalt	0	-.02554	NA	NA	.004	.16045	.1	4.7036	.2	9.4327	.4	18.843
Copper	0	.19957	NA	NA	.01	.55059	.25	11.065	.5	21.855	1	43.773
Iron	0	.30868	.04	.5436	.08	.7973	2	13.166	4	26.363	8	52.499
Lead	0	.22206	NA	NA	.01	.28648	.25	1.6358	.5	3.0595	1	5.778
Magnesium	0	.02218	NA	NA	.2	.12194	5	3.0991	10	6.0812	20	12.396
Manganese	0	.27147	.005	4.1299	.01	7.8711	.25	198.77	.5	397.08	1	790.89
Nickel	0	-.16877	NA	NA	.01	.24873	.25	10.306	.5	20.573	1	40.935
Potassium	0	-.22916	.5	5.0446	1	10.402	25	294.86	50	578.07	100	1124.4
Selenium	0	.0211	NA	NA	.008	.03387	.2	.32982	.4	.67853	.8	1.4298
Silver	0	-.11087	NA	NA	.008	.13672	.2	7.0785	.4	14.162	.8	28.405
Sodium	0	3.6107	.5	44.246	1	84.296	25	2232.5	50	4271.9	100	8023.5
Vanadium	0	1.105	.01	1.4232	.02	1.7811	.5	18.51	1	35.511	2	69.073
Zinc	0	.22262	.01	1.1605	.02	1.8549	.5	40.363	1	80.044	2	161.13

INT = Instrument intensity
R = Coefficient of correlation
Q = Data Qualifier
***** = Out of Compliance; R < 0.995

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KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264

Analytical Method: 6010B

ICAL Worknum: WG198783

Instrument ID: IRIS-ICP

Initial Calibration Date: 17-OCT-2005 10:21:00

Analyte	R	Q
Aluminum	0.999617	
Antimony	0.998972	
Arsenic	0.999830	
Barium	0.999984	
Beryllium	0.999966	
Cadmium	0.999998	
Calcium	0.999955	
Chromium	0.999971	
Cobalt	0.999999	
Copper	0.999892	
Iron	0.999965	
Lead	0.999888	
Magnesium	0.999859	
Manganese	0.999993	
Nickel	0.999976	
Potassium	0.999810	
Selenium	0.998867	
Silver	0.999946	
Sodium	0.999170	
Vanadium	0.999954	
Zinc	0.999952	

INT = Instrument intensity
R = Coefficient of correlation
Q = Data Qualifier
* = Out of Compliance; R < 0.995

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INITIAL CALIBRATION BLANK REPORT

Login Number: L0510264 Run Date: 10/14/2005 Sample ID: WG198686-08
Instrument ID: IRIS-ICP Run Time: 09:44 Method: 6010B
File ID: IR.101405.094400 Analyst: ALT Units: mg/L
Workgroup (AAB#): WG198673 Cal ID: IRIS-I - 14-OCT-05

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Aluminum	0.200	0.400	.00535	1	U
Silver	0.00500	0.0400	-.00209	1	U
Arsenic	0.0100	0.0200	-.00259	1	U
Barium	0.00200	0.0100	-.00004	1	U
Beryllium	0.000240	0.0100	-.00001	1	U
Calcium	0.100	0.200	.00947	1	U
Cadmium	0.00100	0.0100	-.00063	1	U
Cobalt	0.00240	0.0200	.00062	1	U
Chromium	0.00240	0.0200	-.0003	1	U
Copper	0.0100	0.0200	.00086	1	U
Iron	0.0200	0.0400	.00136	1	U
Potassium	0.500	1.00	.0363	1	U
Magnesium	0.240	0.500	.0122	1	U
Manganese	0.00200	0.0100	-.00003	1	U
Sodium	0.100	0.500	.00859	1	U
Nickel	0.0100	0.0400	.00008	1	U
Lead	0.0100	0.100	.00106	1	U
Antimony	0.0100	0.200	-.00486	1	U
Selenium	0.0100	0.100	-.0158	1	F
Vanadium	0.00500	0.0100	-.00098	1	U
Zinc	0.0100	0.0200	-.0002	1	U

U = Result is less than MDL
F = Result is between MDL and RL

KEMRON FORMS - Modified 04/04/2005
Version 1.5 PDF File ID: 335889
Report generated 10/18/2005 09:12

KEMRON Environmental Services

INITIAL CALIBRATION BLANK REPORT

Login Number: L0510264 Run Date: 10/17/2005 Sample ID: WG198783-08
Instrument ID: IRIS-ICP Run Time: 10:41 Method: 6010B
File ID: IR.101705.104100 Analyst: ALT Units: mg/L
Workgroup (AAB#): WG198673 Cal ID: IRIS-I - 17-OCT-05

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Aluminum	0.200	0.400	-.00735	1	U
Silver	0.00500	0.0400	.00259	1	U
Arsenic	0.0100	0.0200	.00316	1	U
Barium	0.00200	0.0100	.00019	1	U
Beryllium	0.000240	0.0100	.00001	1	U
Calcium	0.100	0.200	.00139	1	U
Cadmium	0.00100	0.0100	.00033	1	U
Cobalt	0.00240	0.0200	-.00009	1	U
Chromium	0.00240	0.0200	-.00047	1	U
Copper	0.0100	0.0200	-.00377	1	U
Iron	0.0200	0.0400	-.00383	1	U
Potassium	0.500	1.00	.0533	1	U
Magnesium	0.240	0.500	-.0282	1	U
Manganese	0.00200	0.0100	-.00001	1	U
Sodium	0.100	0.500	.0188	1	U
Nickel	0.0100	0.0400	.00024	1	U
Lead	0.0100	0.100	.00258	1	U
Antimony	0.0100	0.200	.00711	1	U
Selenium	0.0100	0.100	-.00697	1	U
Vanadium	0.00500	0.0100	.0013	1	U
Zinc	0.0100	0.0200	-.00039	1	U

U = Result is less than MDL
F = Result is between MDL and RL

KEMRON FORMS - Modified 04/04/2005
Version 1.5 PDF File ID: 335889
Report generated 10/18/2005 09:12

KEMRON Environmental Services

CONTINUING CALIBRATION BLANK REPORT

Login Number: L0510264 Run Date: 10/14/2005 Sample ID: WG198686-12
Instrument ID: IRIS-ICP Run Time: 10:08 Method: 6010B
File ID: IR.101405.100800 Analyst: ALT Units: mg/L
Workgroup (AAB#): WG198673 Cal ID: IRIS-I - 14-OCT-05

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Aluminum	0.200	0.400	-.0463	1	U
Silver	0.00500	0.0400	-.00026	1	U
Arsenic	0.0100	0.0200	-.00221	1	U
Barium	0.00200	0.0100	.00002	1	U
Beryllium	0.000240	0.0100	.00004	1	U
Calcium	0.100	0.200	.021	1	U
Cadmium	0.00100	0.0100	.0008	1	U
Cobalt	0.00240	0.0200	-.00079	1	U
Chromium	0.00240	0.0200	-.00031	1	U
Copper	0.0100	0.0200	-.00395	1	U
Iron	0.0200	0.0400	.00821	1	U
Potassium	0.500	1.00	.126	1	U
Magnesium	0.240	0.500	-.0351	1	U
Manganese	0.00200	0.0100	.0002	1	U
Sodium	0.100	0.500	.00035	1	U
Nickel	0.0100	0.0400	-.00444	1	U
Lead	0.0100	0.100	.0124	1	F
Antimony	0.0100	0.200	.00322	1	U
Selenium	0.0100	0.100	-.0151	1	F
Vanadium	0.00500	0.0100	-.0203	1	
Zinc	0.0100	0.0200	.00095	1	U

U = Result is less than MDL
F = Result is between MDL and RL

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KEMRON Environmental Services

CONTINUING CALIBRATION BLANK REPORT

Login Number: L0510264 Run Date: 10/14/2005 Sample ID: WG198686-20
Instrument ID: IRIS-ICP Run Time: 14:29 Method: 6010B
File ID: IR.101405.142900 Analyst: ALT Units: mg/L
Workgroup (AAB#): WG198673 Cal ID: IRIS-I - 14-OCT-05

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Aluminum	0.200	0.400	-.0263	1	U
Silver	0.00500	0.0400	.0002	1	U
Arsenic	0.0100	0.0200	-.00001	1	U
Barium	0.00200	0.0100	-.00009	1	U
Beryllium	0.000240	0.0100	-.00005	1	U
Calcium	0.100	0.200	.00784	1	U
Cadmium	0.00100	0.0100	-.00088	1	U
Cobalt	0.00240	0.0200	.00002	1	U
Chromium	0.00240	0.0200	-.00039	1	U
Copper	0.0100	0.0200	-.00047	1	U
Iron	0.0200	0.0400	.00704	1	U
Potassium	0.500	1.00	-.0254	1	U
Magnesium	0.240	0.500	.0421	1	U
Manganese	0.00200	0.0100	-.00006	1	U
Sodium	0.100	0.500	-.0175	1	U
Nickel	0.0100	0.0400	-.00081	1	U
Lead	0.0100	0.100	-.00041	1	U
Antimony	0.0100	0.200	.00668	1	U
Selenium	0.0100	0.100	-.00842	1	U
Vanadium	0.00500	0.0100	-.00066	1	U
Zinc	0.0100	0.0200	.00046	1	U

U = Result is less than MDL
F = Result is between MDL and RL

KEMRON FORMS - Modified 04/04/2005
Version 1.5 PDF File ID: 335892
Report generated 10/18/2005 09:12

KEMRON Environmental Services

CONTINUING CALIBRATION BLANK REPORT

Login Number: L0510264 Run Date: 10/14/2005 Sample ID: WG198686-22
Instrument ID: IRIS-ICP Run Time: 15:40 Method: 6010B
File ID: IR.101405.154000 Analyst: ALT Units: mg/L
Workgroup (AAB#): WG198673 Cal ID: IRIS-I - 14-OCT-05

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Aluminum	0.200	0.400	.00288	1	U
Silver	0.00500	0.0400	-.00067	1	U
Arsenic	0.0100	0.0200	-.00038	1	U
Barium	0.00200	0.0100	.00019	1	U
Beryllium	0.000240	0.0100	0	1	U
Calcium	0.100	0.200	.00499	1	U
Cadmium	0.00100	0.0100	-.00062	1	U
Cobalt	0.00240	0.0200	.00016	1	U
Chromium	0.00240	0.0200	-.00014	1	U
Copper	0.0100	0.0200	.00186	1	U
Iron	0.0200	0.0400	.00285	1	U
Potassium	0.500	1.00	-.00467	1	U
Magnesium	0.240	0.500	-.0633	1	U
Manganese	0.00200	0.0100	.00003	1	U
Sodium	0.100	0.500	-.0124	1	U
Nickel	0.0100	0.0400	-.00153	1	U
Lead	0.0100	0.100	-.00405	1	U
Antimony	0.0100	0.200	.00392	1	U
Selenium	0.0100	0.100	-.0162	1	F
Vanadium	0.00500	0.0100	-.00131	1	U
Zinc	0.0100	0.0200	.00046	1	U

U = Result is less than MDL
F = Result is between MDL and RL

KEMRON FORMS - Modified 04/04/2005
Version 1.5 PDF File ID: 335892
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KEMRON Environmental Services

CONTINUING CALIBRATION BLANK REPORT

Login Number: L0510264 Run Date: 10/14/2005 Sample ID: WG198686-24
Instrument ID: IRIS-ICP Run Time: 15:58 Method: 6010B
File ID: IR.101405.155800 Analyst: ALT Units: mg/L
Workgroup (AAB#): WG198673 Cal ID: IRIS-I - 14-OCT-05

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Aluminum	0.200	0.400	-.0105	1	U
Silver	0.00500	0.0400	-.00126	1	U
Arsenic	0.0100	0.0200	-.00222	1	U
Barium	0.00200	0.0100	.00002	1	U
Beryllium	0.000240	0.0100	-.00001	1	U
Calcium	0.100	0.200	.00316	1	U
Cadmium	0.00100	0.0100	-.00023	1	U
Cobalt	0.00240	0.0200	.00013	1	U
Chromium	0.00240	0.0200	-.00023	1	U
Copper	0.0100	0.0200	.00101	1	U
Iron	0.0200	0.0400	.00343	1	U
Potassium	0.500	1.00	-.00881	1	U
Magnesium	0.240	0.500	-.00523	1	U
Manganese	0.00200	0.0100	.00032	1	U
Sodium	0.100	0.500	-.00785	1	U
Nickel	0.0100	0.0400	-.00023	1	U
Lead	0.0100	0.100	-.00107	1	U
Antimony	0.0100	0.200	-.00151	1	U
Selenium	0.0100	0.100	-.0147	1	F
Vanadium	0.00500	0.0100	-.00195	1	U
Zinc	0.0100	0.0200	.00157	1	U

U = Result is less than MDL
F = Result is between MDL and RL

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KEMRON Environmental Services

CONTINUING CALIBRATION BLANK REPORT

Login Number: L0510264 Run Date: 10/17/2005 Sample ID: WG198783-12
Instrument ID: IRIS-ICP Run Time: 11:05 Method: 6010B
File ID: IR.101705.110500 Analyst: ALT Units: mg/L
Workgroup (AAB#): WG198673 Cal ID: IRIS-I - 17-OCT-05

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Aluminum	0.200	0.400	.00982	1	U
Silver	0.00500	0.0400	.00323	1	U
Arsenic	0.0100	0.0200	-.00519	1	U
Barium	0.00200	0.0100	.00028	1	U
Beryllium	0.000240	0.0100	.00002	1	U
Calcium	0.100	0.200	.00501	1	U
Cadmium	0.00100	0.0100	.00044	1	U
Cobalt	0.00240	0.0200	-.00036	1	U
Chromium	0.00240	0.0200	.00005	1	U
Copper	0.0100	0.0200	-.00336	1	U
Iron	0.0200	0.0400	.0005	1	U
Potassium	0.500	1.00	.0327	1	U
Magnesium	0.240	0.500	-.0174	1	U
Manganese	0.00200	0.0100	0	1	U
Sodium	0.100	0.500	.0102	1	U
Nickel	0.0100	0.0400	.00019	1	U
Lead	0.0100	0.100	-.00398	1	U
Antimony	0.0100	0.200	.00562	1	U
Selenium	0.0100	0.100	-.00731	1	U
Vanadium	0.00500	0.0100	-.00043	1	U
Zinc	0.0100	0.0200	-.00027	1	U

U = Result is less than MDL
F = Result is between MDL and RL

KEMRON FORMS - Modified 04/04/2005
Version 1.5 PDF File ID: 335892
Report generated 10/18/2005 09:12

KEMRON Environmental Services

CONTINUING CALIBRATION BLANK REPORT

Login Number: L0510264 Run Date: 10/17/2005 Sample ID: WG198783-14
Instrument ID: IRIS-ICP Run Time: 11:36 Method: 6010B
File ID: IR.101705.113600 Analyst: ALT Units: mg/L
Workgroup (AAB#): WG198673 Cal ID: IRIS-I - 17-OCT-05

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Aluminum	0.200	0.400	-.00862	1	U
Silver	0.00500	0.0400	-.00106	1	U
Arsenic	0.0100	0.0200	.00037	1	U
Barium	0.00200	0.0100	.00009	1	U
Beryllium	0.000240	0.0100	.00003	1	U
Calcium	0.100	0.200	.00671	1	U
Cadmium	0.00100	0.0100	.0002	1	U
Cobalt	0.00240	0.0200	-.00012	1	U
Chromium	0.00240	0.0200	-.00067	1	U
Copper	0.0100	0.0200	-.00074	1	U
Iron	0.0200	0.0400	.0013	1	U
Potassium	0.500	1.00	.0209	1	U
Magnesium	0.240	0.500	.00622	1	U
Manganese	0.00200	0.0100	0	1	U
Sodium	0.100	0.500	.0122	1	U
Nickel	0.0100	0.0400	-.00016	1	U
Lead	0.0100	0.100	.00396	1	U
Antimony	0.0100	0.200	.00202	1	U
Selenium	0.0100	0.100	-.00591	1	U
Vanadium	0.00500	0.0100	.00055	1	U
Zinc	0.0100	0.0200	.00005	1	U

U = Result is less than MDL
F = Result is between MDL and RL

KEMRON FORMS - Modified 04/04/2005
Version 1.5 PDF File ID: 335892
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KEMRON Environmental Services

CONTINUING CALIBRATION BLANK REPORT

Login Number: L0510264 Run Date: 10/17/2005 Sample ID: WG198783-20
Instrument ID: IRIS-ICP Run Time: 14:59 Method: 6010B
File ID: IR.101705.145900 Analyst: ALT Units: mg/L
Workgroup (AAB#): WG198673 Cal ID: IRIS-I - 17-OCT-05

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Aluminum	0.200	0.400	-.0127	1	U
Silver	0.00500	0.0400	.00051	1	U
Arsenic	0.0100	0.0200	-.0031	1	U
Barium	0.00200	0.0100	.00034	1	U
Beryllium	0.000240	0.0100	.00006	1	U
Calcium	0.100	0.200	-.00718	1	U
Cadmium	0.00100	0.0100	.00034	1	U
Cobalt	0.00240	0.0200	.00006	1	U
Chromium	0.00240	0.0200	.0001	1	U
Copper	0.0100	0.0200	-.00158	1	U
Iron	0.0200	0.0400	-.00107	1	U
Potassium	0.500	1.00	.026	1	U
Magnesium	0.240	0.500	.00621	1	U
Manganese	0.00200	0.0100	.00002	1	U
Sodium	0.100	0.500	.029	1	U
Nickel	0.0100	0.0400	-.00008	1	U
Lead	0.0100	0.100	.00278	1	U
Antimony	0.0100	0.200	.00982	1	U
Selenium	0.0100	0.100	-.0119	1	F
Vanadium	0.00500	0.0100	.00033	1	U
Zinc	0.0100	0.0200	.00026	1	U

U = Result is less than MDL
F = Result is between MDL and RL

KEMRON FORMS - Modified 04/04/2005
Version 1.5 PDF File ID: 335892
Report generated 10/18/2005 09:12

KEMRON Environmental Services

CONTINUING CALIBRATION BLANK REPORT

Login Number: L0510264 Run Date: 10/17/2005 Sample ID: WG198783-22
Instrument ID: IRIS-ICP Run Time: 16:03 Method: 6010B
File ID: IR.101705.160300 Analyst: ALT Units: mg/L
Workgroup (AAB#): WG198673 Cal ID: IRIS-I - 17-OCT-05

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Aluminum	0.200	0.400	.00187	1	U
Silver	0.00500	0.0400	.00105	1	U
Arsenic	0.0100	0.0200	-.00379	1	U
Barium	0.00200	0.0100	.00004	1	U
Beryllium	0.000240	0.0100	.00006	1	U
Calcium	0.100	0.200	-.00909	1	U
Cadmium	0.00100	0.0100	.00081	1	U
Cobalt	0.00240	0.0200	.00015	1	U
Chromium	0.00240	0.0200	-.00006	1	U
Copper	0.0100	0.0200	-.00319	1	U
Iron	0.0200	0.0400	-.00412	1	U
Potassium	0.500	1.00	.0203	1	U
Magnesium	0.240	0.500	-.0877	1	U
Manganese	0.00200	0.0100	.00001	1	U
Sodium	0.100	0.500	.0215	1	U
Nickel	0.0100	0.0400	-.00051	1	U
Lead	0.0100	0.100	.00098	1	U
Antimony	0.0100	0.200	.00859	1	U
Selenium	0.0100	0.100	.0014	1	U
Vanadium	0.00500	0.0100	-.00182	1	U
Zinc	0.0100	0.0200	.00004	1	U

U = Result is less than MDL
F = Result is between MDL and RL

KEMRON FORMS - Modified 04/04/2005
Version 1.5 PDF File ID: 335892
Report generated 10/18/2005 09:12

KEMRON Environmental Services

INITIAL CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/14/2005 Sample ID: WG198686-07
Instrument ID: IRIS-ICP Run Time: 09:38 Method: 6010B
File ID: IR.101405.093800 Analyst: ALT Units: mg/L
Workgroup (AAB#): WG198673 Cal ID: IRIS-I - 14-OCT-05

Analyte		Expected	Found	%REC	LIMITS	Q
Aluminum		10	10.1	101	90 - 110	
Silver		.4	0.404	101	90 - 110	
Arsenic		.4	0.399	99.7	90 - 110	
Barium		1	1.05	105	90 - 110	
Beryllium		.05	0.0500	100	90 - 110	
Calcium		10	9.93	99.3	90 - 110	
Cadmium		.05	0.0502	100	90 - 110	
Cobalt		.2	0.201	100	90 - 110	
Chromium		.5	0.499	99.8	90 - 110	
Copper		.5	0.504	101	90 - 110	
Iron		4	4.04	101	90 - 110	
Potassium		50	51.1	102	90 - 110	
Magnesium		10	9.97	99.7	90 - 110	
Manganese		.5	0.502	100	90 - 110	
Sodium		50	51.4	103	90 - 110	
Nickel		.5	0.512	102	90 - 110	
Lead		.5	0.510	102	90 - 110	
Antimony		1.2	1.19	99.5	90 - 110	
Selenium		.4	0.391	97.7	90 - 110	
Vanadium		1	1.01	101	90 - 110	
Zinc		1	1.00	100	90 - 110	

* Exceeds LIMITS Limit

KEMRON FORMS - Modified 03/31/2005
Version 1.3 PDF File ID: 335888
Report generated 10/18/2005 09:12

KEMRON Environmental Services

INITIAL CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/17/2005 Sample ID: WG198783-07
Instrument ID: IRIS-ICP Run Time: 10:36 Method: 6010B
File ID: IR.101705.103600 Analyst: ALT Units: mg/L
Workgroup (AAB#): WG198673 Cal ID: IRIS-I - 17-OCT-05

Analyte		Expected	Found	%REC	LIMITS	Q
Aluminum		10	10.3	103	90 - 110	
Silver		.4	0.405	101	90 - 110	
Arsenic		.4	0.401	100	90 - 110	
Barium		1	1.05	105	90 - 110	
Beryllium		.05	0.0501	100	90 - 110	
Calcium		10	9.93	99.3	90 - 110	
Cadmium		.05	0.0504	101	90 - 110	
Cobalt		.2	0.202	101	90 - 110	
Chromium		.5	0.500	99.9	90 - 110	
Copper		.5	0.511	102	90 - 110	
Iron		4	4.07	102	90 - 110	
Potassium		50	51.4	103	90 - 110	
Magnesium		10	9.92	99.2	90 - 110	
Manganese		.5	0.505	101	90 - 110	
Sodium		50	51.6	103	90 - 110	
Nickel		.5	0.512	102	90 - 110	
Lead		.5	0.509	102	90 - 110	
Antimony		1.2	1.20	99.9	90 - 110	
Selenium		.4	0.400	100	90 - 110	
Vanadium		1	1.01	101	90 - 110	
Zinc		1	1.00	100	90 - 110	

* Exceeds LIMITS Limit

KEMRON FORMS - Modified 03/31/2005
Version 1.3 PDF File ID: 335888
Report generated 10/18/2005 09:12

KEMRON Environmental Services

CONTINUING CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/14/2005 Sample ID: WG198686-11
Instrument ID: IRIS-ICP Run Time: 10:02 Method: 6010B
File ID: IR.101405.100200 Analyst: ALT
Workgroup (AAB#): WG198673 Cal ID: IRIS-I - 14-OCT-05

Analyte		Expected	Found	%REC	LIMITS	UNITS	Q
Aluminum		10	10.3	103	90 - 110	mg/L	
Silver		.4	0.396	99.0	90 - 110	mg/L	
Arsenic		.4	0.416	104	90 - 110	mg/L	
Barium		1	1.06	106	90 - 110	mg/L	
Beryllium		.05	0.0498	99.7	90 - 110	mg/L	
Calcium		10	9.93	99.3	90 - 110	mg/L	
Cadmium		.05	0.0506	101	90 - 110	mg/L	
Cobalt		.2	0.203	102	90 - 110	mg/L	
Chromium		.5	0.494	98.9	90 - 110	mg/L	
Copper		.5	0.513	103	90 - 110	mg/L	
Iron		4	4.08	102	90 - 110	mg/L	
Potassium		50	50.7	101	90 - 110	mg/L	
Magnesium		10	9.87	98.7	90 - 110	mg/L	
Manganese		.5	0.500	100	90 - 110	mg/L	
Sodium		50	50.9	102	90 - 110	mg/L	
Nickel		.5	0.509	102	90 - 110	mg/L	
Lead		.5	0.513	103	90 - 110	mg/L	
Antimony		1.2	1.21	101	90 - 110	mg/L	
Selenium		.4	0.408	102	90 - 110	mg/L	
Vanadium		1	0.986	98.6	90 - 110	mg/L	
Zinc		1	0.994	99.4	90 - 110	mg/L	

* Exceeds LIMITS Limit

KEMRON FORMS - Modified 03/21/2005
Version 1.3 PDF File ID: 335891
Report generated 10/18/2005 09:12

KEMRON Environmental Services

CONTINUING CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/14/2005 Sample ID: WG198686-19
Instrument ID: IRIS-ICP Run Time: 14:23 Method: 6010B
File ID: IR.101405.142300 Analyst: ALT
Workgroup (AAB#): WG198673 Cal ID: IRIS-I - 14-OCT-05

Analyte		Expected	Found	%REC	LIMITS	UNITS	Q
Aluminum		10	10.2	102	90 - 110	mg/L	
Silver		.4	0.387	96.7	90 - 110	mg/L	
Arsenic		.4	0.397	99.3	90 - 110	mg/L	
Barium		1	1.05	105	90 - 110	mg/L	
Beryllium		.05	0.0485	96.9	90 - 110	mg/L	
Calcium		10	9.75	97.5	90 - 110	mg/L	
Cadmium		.05	0.0518	104	90 - 110	mg/L	
Cobalt		.2	0.199	99.6	90 - 110	mg/L	
Chromium		.5	0.482	96.5	90 - 110	mg/L	
Copper		.5	0.515	103	90 - 110	mg/L	
Iron		4	4.04	101	90 - 110	mg/L	
Potassium		50	50.9	102	90 - 110	mg/L	
Magnesium		10	9.55	95.5	90 - 110	mg/L	
Manganese		.5	0.490	97.9	90 - 110	mg/L	
Sodium		50	50.9	102	90 - 110	mg/L	
Nickel		.5	0.499	99.7	90 - 110	mg/L	
Lead		.5	0.513	103	90 - 110	mg/L	
Antimony		1.2	1.19	99.3	90 - 110	mg/L	
Selenium		.4	0.394	98.4	90 - 110	mg/L	
Vanadium		1	0.964	96.4	90 - 110	mg/L	
Zinc		1	0.961	96.1	90 - 110	mg/L	

* Exceeds LIMITS Limit

KEMRON FORMS - Modified 03/21/2005
Version 1.3 PDF File ID: 335891
Report generated 10/18/2005 09:12

KEMRON Environmental Services

CONTINUING CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/14/2005 Sample ID: WG198686-21
Instrument ID: IRIS-ICP Run Time: 15:34 Method: 6010B
File ID: IR.101405.153400 Analyst: ALT
Workgroup (AAB#): WG198673 Cal ID: IRIS-I - 14-OCT-05

Analyte		Expected	Found	%REC	LIMITS	UNITS	Q
Aluminum		10	10.3	103	90 - 110	mg/L	
Silver		.4	0.391	97.7	90 - 110	mg/L	
Arsenic		.4	0.400	99.9	90 - 110	mg/L	
Barium		1	1.05	105	90 - 110	mg/L	
Beryllium		.05	0.0486	97.2	90 - 110	mg/L	
Calcium		10	9.81	98.1	90 - 110	mg/L	
Cadmium		.05	0.0516	103	90 - 110	mg/L	
Cobalt		.2	0.201	101	90 - 110	mg/L	
Chromium		.5	0.490	98.0	90 - 110	mg/L	
Copper		.5	0.511	102	90 - 110	mg/L	
Iron		4	4.06	102	90 - 110	mg/L	
Potassium		50	51.6	103	90 - 110	mg/L	
Magnesium		10	9.55	95.5	90 - 110	mg/L	
Manganese		.5	0.495	99.0	90 - 110	mg/L	
Sodium		50	51.5	103	90 - 110	mg/L	
Nickel		.5	0.507	101	90 - 110	mg/L	
Lead		.5	0.521	104	90 - 110	mg/L	
Antimony		1.2	1.19	99.2	90 - 110	mg/L	
Selenium		.4	0.396	99.0	90 - 110	mg/L	
Vanadium		1	0.977	97.7	90 - 110	mg/L	
Zinc		1	0.971	97.1	90 - 110	mg/L	

* Exceeds LIMITS Limit

KEMRON FORMS - Modified 03/21/2005
Version 1.3 PDF File ID: 335891
Report generated 10/18/2005 09:12

KEMRON Environmental Services

CONTINUING CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/14/2005 Sample ID: WG198686-23
Instrument ID: IRIS-ICP Run Time: 15:52 Method: 6010B
File ID: IR.101405.155200 Analyst: ALT
Workgroup (AAB#): WG198673 Cal ID: IRIS-I - 14-OCT-05

Analyte		Expected	Found	%REC	LIMITS	UNITS	Q
Aluminum		10	10.2	102	90 - 110	mg/L	
Silver		.4	0.391	97.7	90 - 110	mg/L	
Arsenic		.4	0.399	99.8	90 - 110	mg/L	
Barium		1	1.05	105	90 - 110	mg/L	
Beryllium		.05	0.0488	97.5	90 - 110	mg/L	
Calcium		10	9.85	98.5	90 - 110	mg/L	
Cadmium		.05	0.0514	103	90 - 110	mg/L	
Cobalt		.2	0.201	101	90 - 110	mg/L	
Chromium		.5	0.488	97.7	90 - 110	mg/L	
Copper		.5	0.512	102	90 - 110	mg/L	
Iron		4	4.05	101	90 - 110	mg/L	
Potassium		50	51.1	102	90 - 110	mg/L	
Magnesium		10	9.41	94.1	90 - 110	mg/L	
Manganese		.5	0.494	98.7	90 - 110	mg/L	
Sodium		50	51.0	102	90 - 110	mg/L	
Nickel		.5	0.505	101	90 - 110	mg/L	
Lead		.5	0.521	104	90 - 110	mg/L	
Antimony		1.2	1.19	98.9	90 - 110	mg/L	
Selenium		.4	0.402	101	90 - 110	mg/L	
Vanadium		1	0.977	97.7	90 - 110	mg/L	
Zinc		1	0.965	96.5	90 - 110	mg/L	

* Exceeds LIMITS Limit

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KEMRON Environmental Services

CONTINUING CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/17/2005 Sample ID: WG198783-11
Instrument ID: IRIS-ICP Run Time: 10:59 Method: 6010B
File ID: IR.101705.105900 Analyst: ALT
Workgroup (AAB#): WG198673 Cal ID: IRIS-I - 17-OCT-05

Analyte		Expected	Found	%REC	LIMITS	UNITS	Q
Aluminum		10	10.4	104	90 - 110	mg/L	
Silver		.4	0.405	101	90 - 110	mg/L	
Arsenic		.4	0.393	98.4	90 - 110	mg/L	
Barium		1	1.06	106	90 - 110	mg/L	
Beryllium		.05	0.0502	100	90 - 110	mg/L	
Calcium		10	9.98	99.8	90 - 110	mg/L	
Cadmium		.05	0.0505	101	90 - 110	mg/L	
Cobalt		.2	0.202	101	90 - 110	mg/L	
Chromium		.5	0.502	100	90 - 110	mg/L	
Copper		.5	0.515	103	90 - 110	mg/L	
Iron		4	4.09	102	90 - 110	mg/L	
Potassium		50	51.6	103	90 - 110	mg/L	
Magnesium		10	9.82	98.2	90 - 110	mg/L	
Manganese		.5	0.507	101	90 - 110	mg/L	
Sodium		50	51.9	104	90 - 110	mg/L	
Nickel		.5	0.514	103	90 - 110	mg/L	
Lead		.5	0.510	102	90 - 110	mg/L	
Antimony		1.2	1.21	101	90 - 110	mg/L	
Selenium		.4	0.399	99.7	90 - 110	mg/L	
Vanadium		1	1.01	101	90 - 110	mg/L	
Zinc		1	1.01	101	90 - 110	mg/L	

* Exceeds LIMITS Limit

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KEMRON Environmental Services

CONTINUING CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/17/2005 Sample ID: WG198783-13
Instrument ID: IRIS-ICP Run Time: 11:30 Method: 6010B
File ID: IR.101705.113000 Analyst: ALT
Workgroup (AAB#): WG198673 Cal ID: IRIS-I - 17-OCT-05

Analyte		Expected	Found	%REC	LIMITS	UNITS	Q
Aluminum		10	10.4	104	90 - 110	mg/L	
Silver		.4	0.406	101	90 - 110	mg/L	
Arsenic		.4	0.397	99.2	90 - 110	mg/L	
Barium		1	1.06	106	90 - 110	mg/L	
Beryllium		.05	0.0504	101	90 - 110	mg/L	
Calcium		10	9.93	99.3	90 - 110	mg/L	
Cadmium		.05	0.0503	101	90 - 110	mg/L	
Cobalt		.2	0.201	101	90 - 110	mg/L	
Chromium		.5	0.504	101	90 - 110	mg/L	
Copper		.5	0.515	103	90 - 110	mg/L	
Iron		4	4.07	102	90 - 110	mg/L	
Potassium		50	52.4	105	90 - 110	mg/L	
Magnesium		10	9.96	99.6	90 - 110	mg/L	
Manganese		.5	0.508	102	90 - 110	mg/L	
Sodium		50	53.0	106	90 - 110	mg/L	
Nickel		.5	0.513	103	90 - 110	mg/L	
Lead		.5	0.508	102	90 - 110	mg/L	
Antimony		1.2	1.21	101	90 - 110	mg/L	
Selenium		.4	0.392	98.1	90 - 110	mg/L	
Vanadium		1	1.02	102	90 - 110	mg/L	
Zinc		1	1.02	102	90 - 110	mg/L	

* Exceeds LIMITS Limit

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KEMRON Environmental Services

CONTINUING CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/17/2005 Sample ID: WG198783-19
Instrument ID: IRIS-ICP Run Time: 14:53 Method: 6010B
File ID: IR.101705.145300 Analyst: ALT
Workgroup (AAB#): WG198673 Cal ID: IRIS-I - 17-OCT-05

Analyte		Expected	Found	%REC	LIMITS	UNITS	Q
Aluminum		10	10.2	102	90 - 110	mg/L	
Silver		.4	0.395	98.7	90 - 110	mg/L	
Arsenic		.4	0.394	98.5	90 - 110	mg/L	
Barium		1	1.05	105	90 - 110	mg/L	
Beryllium		.05	0.0488	97.6	90 - 110	mg/L	
Calcium		10	9.83	98.3	90 - 110	mg/L	
Cadmium		.05	0.0520	104	90 - 110	mg/L	
Cobalt		.2	0.201	101	90 - 110	mg/L	
Chromium		.5	0.489	97.8	90 - 110	mg/L	
Copper		.5	0.511	102	90 - 110	mg/L	
Iron		4	4.06	102	90 - 110	mg/L	
Potassium		50	51.3	103	90 - 110	mg/L	
Magnesium		10	9.70	97.0	90 - 110	mg/L	
Manganese		.5	0.495	99.0	90 - 110	mg/L	
Sodium		50	51.3	103	90 - 110	mg/L	
Nickel		.5	0.505	101	90 - 110	mg/L	
Lead		.5	0.515	103	90 - 110	mg/L	
Antimony		1.2	1.19	99.4	90 - 110	mg/L	
Selenium		.4	0.398	99.4	90 - 110	mg/L	
Vanadium		1	0.984	98.4	90 - 110	mg/L	
Zinc		1	0.970	97.0	90 - 110	mg/L	

* Exceeds LIMITS Limit

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KEMRON Environmental Services

CONTINUING CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/17/2005 Sample ID: WG198783-21
Instrument ID: IRIS-ICP Run Time: 15:57 Method: 6010B
File ID: IR.101705.155700 Analyst: ALT
Workgroup (AAB#): WG198673 Cal ID: IRIS-I - 17-OCT-05

Analyte		Expected	Found	%REC	LIMITS	UNITS	Q
Aluminum		10	10.3	103	90 - 110	mg/L	
Silver		.4	0.389	97.2	90 - 110	mg/L	
Arsenic		.4	0.399	99.7	90 - 110	mg/L	
Barium		1	1.05	105	90 - 110	mg/L	
Beryllium		.05	0.0484	96.7	90 - 110	mg/L	
Calcium		10	9.77	97.7	90 - 110	mg/L	
Cadmium		.05	0.0510	102	90 - 110	mg/L	
Cobalt		.2	0.202	101	90 - 110	mg/L	
Chromium		.5	0.485	96.9	90 - 110	mg/L	
Copper		.5	0.515	103	90 - 110	mg/L	
Iron		4	4.06	101	90 - 110	mg/L	
Potassium		50	51.2	102	90 - 110	mg/L	
Magnesium		10	9.43	94.3	90 - 110	mg/L	
Manganese		.5	0.492	98.5	90 - 110	mg/L	
Sodium		50	51.3	103	90 - 110	mg/L	
Nickel		.5	0.501	100	90 - 110	mg/L	
Lead		.5	0.516	103	90 - 110	mg/L	
Antimony		1.2	1.19	99.1	90 - 110	mg/L	
Selenium		.4	0.408	102	90 - 110	mg/L	
Vanadium		1	0.960	96.0	90 - 110	mg/L	
Zinc		1	0.963	96.3	90 - 110	mg/L	

* Exceeds LIMITS Limit

KEMRON FORMS - Modified 03/21/2005
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KEMRON ENVIRONMENTAL SERVICES
INTERFERENCE CHECK SAMPLES

Login number: L0510264 **Workgroup (AAB#):** WG198673
Instrument ID: IRIS-ICP **Method:** 6010B
Sol. A : WG198686-09 **File ID:** IR.101405.095000 **Units:** mg/L
Sol. AB : WG198686-10 **File ID:** IR.101405.095600

	Sol. A			Sol. AB			
ANALYTE	True	Found	%Recovery	True	Found	%Recovery	Q
Aluminum	250	246	98.4	250	246	98.4	
Antimony	NS	-0.00440	NS	0.500	0.484	96.8	
Arsenic	NS	0.000410	NS	0.250	0.251	100	
Barium	NS	0.000360	NS	0.250	0.247	98.8	
Beryllium	NS	-0.0000700	NS	0.250	0.248	99.2	
Cadmium	NS	-0.000220	NS	0.500	0.492	98.4	
Calcium	250	243	97.2	250	242	96.8	
Chromium	NS	0.00130	NS	0.250	0.236	94.4	
Cobalt	NS	0.00390	NS	0.250	0.230	92.0	
Copper	NS	0.00143	NS	0.250	0.251	100	
Iron	100	93.3	93.3	100	98.5	98.5	
Lead	NS	-0.0147	NS	0.500	0.456	91.2	
Magnesium	250	246	98.4	250	240	96.0	
Manganese	NS	0.00335	NS	0.250	0.231	92.4	
Nickel	NS	0.00366	NS	0.500	0.467	93.4	
Potassium	NS	0.00384	NS	5.00	4.82	96.4	
Selenium	NS	-0.00247	NS	0.250	0.245	98.0	
Silver	NS	0.00137	NS	0.500	0.491	98.2	
Sodium	NS	0.0248	NS	5.00	5.15	103	
Vanadium	NS	0.00349	NS	0.250	0.239	95.6	
Zinc	NS	-0.00652	NS	0.500	0.481	96.2	

NS = Not spiked
*** = Recovery of spiked element is outside acceptance limit of 80% - 120% of true value.**
 # = Result for unspiked element is outside the acceptance limits of (+/-) the project reporting limit (RL).

KEMRON FORMS - Modified 09/15/2005
Version 1.3 PDF File ID: 335890
Report generated 10/18/2005 09:12

KEMRON ENVIRONMENTAL SERVICES
INTERFERENCE CHECK SAMPLES

Login number: L0510264 **Workgroup (AAB#):** WG198673
Instrument ID: IRIS-ICP **Method:** 6010B
Sol. A : WG198783-09 **File ID:** IR.101705.104800 **Units:** mg/L
Sol. AB : WG198783-10 **File ID:** IR.101705.105300

	Sol. A			Sol. AB			
ANALYTE	True	Found	%Recovery	True	Found	%Recovery	Q
Aluminum	250	251	100	250	248	99.2	
Antimony	NS	0.00152	NS	0.500	0.487	97.4	
Arsenic	NS	-0.00501	NS	0.250	0.246	98.4	
Barium	NS	0.000770	NS	0.250	0.246	98.4	
Beryllium	NS	-0.0000300	NS	0.250	0.250	100	
Cadmium	NS	0.000240	NS	0.500	0.485	97.0	
Calcium	250	244	97.6	250	242	96.8	
Chromium	NS	0.00141	NS	0.250	0.235	94.0	
Cobalt	NS	0.00455	NS	0.250	0.230	92.0	
Copper	NS	-0.000470	NS	0.250	0.247	98.8	
Iron	100	92.6	92.6	100	97.7	97.7	
Lead	NS	-0.0155	NS	0.500	0.460	92.0	
Magnesium	250	248	99.2	250	246	98.4	
Manganese	NS	0.00332	NS	0.250	0.232	92.8	
Nickel	NS	0.00352	NS	0.500	0.468	93.6	
Potassium	NS	0.0199	NS	5.00	4.94	98.8	
Selenium	NS	-0.0117	NS	0.250	0.239	95.6	
Silver	NS	0.00617	NS	0.500	0.494	98.8	
Sodium	NS	0.0351	NS	5.00	5.11	102	
Vanadium	NS	0.00260	NS	0.250	0.244	97.6	
Zinc	NS	-0.00725	NS	0.500	0.483	96.6	

NS = Not spiked
*** = Recovery of spiked element is outside acceptance limit of 80% - 120% of true value.**
 # = Result for unspiked element is outside the acceptance limits of (+/-) the project reporting limit (RL).

KEMRON FORMS - Modified 09/15/2005
Version 1.3 PDF File ID: 335890
Report generated 10/18/2005 09:12

KEMRON Environmental Services

INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Login Number: L0510264 **Date:** 05/03/2005

Insturment ID: IRIS-ICP **Method:** 6010B

Analyte	Wave Length	AL	AS	BA	BE	CA
ALUMINUM	308.20	0	0	0	0	0
ANTIMONY	206.80	0.000100	-0.000185	0	0	0
ARSENIC	189.00	0.0000200	0	0	0	0
BARIUM	455.40	0	0	0	0	0
BERYLLIUM	313.00	0	0	0	0	0
BORON	249.70	0	0	0	0	0
CADMIUM	228.80	0	0.00365	-0.000100	0	0
CALCIUM	373.70	0	0	0	0	0
CHROMIUM	267.70	0	0	0	0	0
COBALT	228.60	0	0	0	0	0
COPPER	324.70	0	0	0	0	0
IRON	271.40	0	0	0	0	0
LEAD	220.30	-0.000250	0	0	0	0
LITHIUM	670.80	0	0	0	0	-0.0000500
MAGNESIUM	277.90	0	-0.0936	0	0	0
MANGANESE	257.60	0	0	0	0	0
MOLYBDENUM	202.03	0	0	0	0	0
NICKEL	231.60	0	0	0	0.00830	0
POTASSIUM	766.40	0	0	-0.0899	0	0
SELENIUM	196.00	0	0	0	0	0
SILICON	251.60	0	0	0	0	0
SILVER	328.00	0	0	0	0	0
SODIUM	589.50	0	0	0	0	0
STRONTIUM	215.20	0	0	0	0	0
THALLIUM	190.80	0	0	0	0	0
TIN	189.90	0	0	0	0	0
TITANIUM	334.90	0	0	0	0	-0.0000300
VANADIUM	310.20	-0.0000400	0	0	0.0100	0
ZINC	213.80	0	0	0	0	0

KEMRON FORMS - Modified 11/08/2004
Version 1.5 PDF File ID: 335886
Report generated 10/18/2005 09:11

KEMRON Environmental Services

INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Login Number: L0510264 **Date:** 05/03/2005

Insturment ID: IRIS-ICP **Method:** 6010B

Analyte	Wave Length	CO	CR	CU	FE	LI
ALUMINUM	308.20	-0.00700	0	0	0	0
ANTIMONY	206.80	0	0.0306	0	0.0000790	0
ARSENIC	189.00	0	0.000280	0	-0.0000300	0
BARIUM	455.40	0	0	0	0	0
BERYLLIUM	313.00	0	0	0	0	0
BORON	249.70	0	0	0	-0.000470	0
CADMIUM	228.80	-0.00300	0	0	-0.00000600	0
CALCIUM	373.70	0	0	0	0.0100	0
CHROMIUM	267.70	0	0	0	0.0000180	0
COBALT	228.60	0	0.0000450	0	0.0000400	0
COPPER	324.70	0	-0.000560	0	0.0000100	0
IRON	271.40	0.100	0	0	0	0
LEAD	220.30	0.000300	-0.000780	0	0.0000600	0
LITHIUM	670.80	0	0	0	0	0
MAGNESIUM	277.90	0	-0.0170	0	0	0
MANGANESE	257.60	0	0	0	-0.0000370	0
MOLYBDENUM	202.03	0	0	0	0	0
NICKEL	231.60	0.000450	0	0	-0.0000180	0
POTASSIUM	766.40	0	0	0	0	0
SELENIUM	196.00	0	0	0	-0.000300	0
SILICON	251.60	0	0	0	0	0
SILVER	328.00	0	0.0000520	0	-0.0000480	0
SODIUM	589.50	0	0	0	0	0
STRONTIUM	215.20	-0.000500	0	0	-0.000600	0
THALLIUM	190.80	0.00360	0.000190	0	0	0
TIN	189.90	0	0	0	0	0
TITANIUM	334.90	0	0.000300	0	0	-0.00250
VANADIUM	310.20	0	0	0	-0.0000100	0
ZINC	213.80	-0.000400	0	0.000588	0.0000800	0

KEMRON FORMS - Modified 11/08/2004
Version 1.5 PDF File ID: 335886
Report generated 10/18/2005 09:11

KEMRON Environmental Services

INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Login Number: L0510264 **Date:** 05/03/2005

Insturment ID: IRIS-ICP **Method:** 6010B

Analyte	Wave Length	MG	MN	MO	NI	SB
ALUMINUM	308.20	0	0.00180	0.0320	0	0
ANTIMONY	206.80	0	0	-0.00278	-0.00200	0
ARSENIC	189.00	0	0	0.00108	0	-0.00170
BARIUM	455.40	0	0	0	0	0
BERYLLIUM	313.00	0	0	-0.0000500	0	0
BORON	249.70	0	0	0	0	0
CADMIUM	228.80	0	0	0	-0.000170	0
CALCIUM	373.70	0	0.00160	0	0.000650	0
CHROMIUM	267.70	0	0.000510	0	0	0
COBALT	228.60	0	0	-0.00100	0.000160	0
COPPER	324.70	0	0	0	0	0
IRON	271.40	0.0000400	-0.000500	-0.00750	0	0
LEAD	220.30	0	0	-0.00120	0.000489	0
LITHIUM	670.80	0	0	0	0	0
MAGNESIUM	277.90	0	0.00132	-0.228	0	0
MANGANESE	257.60	0	0	0	0	0
MOLYBDENUM	202.03	0	0	0	0	0
NICKEL	231.60	0	0	0	0	0
POTASSIUM	766.40	0	0	0	0	0
SELENIUM	196.00	0	0.000430	0.00800	0	0
SILICON	251.60	0	0	0.00800	0	0
SILVER	328.00	0	0.0000800	-0.000290	0	0
SODIUM	589.50	0	0	0	0	0
STRONTIUM	215.20	0	0	-0.000220	0	0
THALLIUM	190.80	0	0.00120	-0.00309	0	-0.000500
TIN	189.90	0	0	0	0	0
TITANIUM	334.90	0	0	0	0	0
VANADIUM	310.20	-0.00000400	0	0	0	0
ZINC	213.80	0.0000370	0.000279	0	0.00620	0

KEMRON FORMS - Modified 11/08/2004
Version 1.5 PDF File ID: 335886
Report generated 10/18/2005 09:11

KEMRON Environmental Services

INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Login Number: L0510264 **Date:** 05/03/2005

Insturment ID: IRIS-ICP **Method:** 6010B

Analyte	Wave Length	SN	TI	V	ZN
ALUMINUM	308.20	0	-0.00200	-0.0320	0
ANTIMONY	206.80	-0.0168	0.000620	-0.00159	-0.00170
ARSENIC	189.00	0	0	0	0
BARIUM	455.40	0	0	0	0
BERYLLIUM	313.00	0	0	0.000840	0
BORON	249.70	0	0	0	0
CADMIUM	228.80	0	0	0.0000360	0
CALCIUM	373.70	0	0	0	0
CHROMIUM	267.70	0	0	-0.000150	0
COBALT	228.60	0	0.00120	0	-0.00170
COPPER	324.70	0	-0.00120	-0.00325	0
IRON	271.40	0	0	-0.0829	0
LEAD	220.30	0	0	0	0
LITHIUM	670.80	0	0	0	0
MAGNESIUM	277.90	0	0	-0.0106	0
MANGANESE	257.60	0	0	-0.0000750	0
MOLYBDENUM	202.03	0	0	-0.000247	0.00200
NICKEL	231.60	0	0	0	0
POTASSIUM	766.40	0	0	0	0
SELENIUM	196.00	0	0	0	0.0190
SILICON	251.60	0	0.00665	0	0
SILVER	328.00	0	0.0118	-0.0234	0
SODIUM	589.50	0	0	0	0
STRONTIUM	215.20	0	0	0	0.000700
THALLIUM	190.80	0	-0.00190	-0.0244	0
TIN	189.90	0	0	0	0
TITANIUM	334.90	0		0	0
VANADIUM	310.20	0	0	0	0
ZINC	213.80	0	0	0	0

Login Number: L0510264 **Date:**

Insturment ID: IRIS-ICP **Method:** 6010B

Analyte	Wave Length	

KEMRON FORMS - Modified 11/08/2004
Version 1.5 PDF File ID: 335886
Report generated 10/18/2005 09:11

KEMRON Environmental Services

LINEAR RANGE (QUARTERLY)

Login Number: L0510264 **Date:** 09/21/2005

Insturment ID: IRIS-ICP **Method:** 6010B

Analyte	Integration Time (Sec.)	Concentration (mg/L)
Aluminum	15.00	800.0
Antimony	50.00	50.0
Arsenic	50.00	100.0
Barium	15.00	20.0
Beryllium	15.00	4.0
Boron	50.00	100.0
Cadmium	50.00	30.0
Calcium	15.00	1000.0
Chromium	50.00	50.0
Cobalt	50.00	100.0
Copper	15.00	50.0
Iron	50.00	900.0
Lead	50.00	200.0
Lithium	15.00	8.0
Magnesium	50.00	1000.0
Manganese	50.00	20.0
Molybdenum	50.00	30.0
Nickel	50.00	100.0
Potassium	15.00	200.0
Selenium	50.00	20.0
Silicon	50.00	50.0
Silver	15.00	10.0
Sodium	15.00	150.0
Strontium	50.00	30.0
Thallium	50.00	20.0
Tin	50.00	30.0
Titanium	15.00	25.0
Vanadium	15.00	100.0
Zinc	50.00	40.0

Comments:

2.3.1.2 Raw Data

Method: CLP3 Sample Name: S0 Operator:
Comment:
Run Time: 10/14/05 09:01 Type: Std Mode: IR Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.02956	-.04065	-.00444	.34033	-.14413
Stddev	.02307	.05120	.01709	.02799	.05342
%RSD	78.042	125.95	384.86	8.2248	37.067
#1	.01109	-.01109	.00000	.34645	-.16629
#2	.05542	-.09976	-.02332	.36475	-.18290
#3	.02218	-.01109	.00999	.30978	-.08319

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.04805	.08132	.26066	-.02665	-.46080
Stddev	.04198	.04449	.01663	.00881	.00771
%RSD	87.373	54.717	6.3815	33.073	1.6736
#1	.06651	.03880	.26483	-.03331	-.46971
#2	.00000	.07759	.24233	-.01666	-.45635
#3	.07764	.12755	.27481	-.02998	-.45634

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.24022	.29093	.23289	2.0216	.02587
Stddev	.09932	.01003	.14679	.0924	.00640
%RSD	41.346	3.4471	63.028	4.5721	24.722
#1	.17737	.28150	.12196	1.9178	.02217
#2	.35472	.28981	.17738	2.0951	.03325
#3	.18856	.30147	.39935	2.0520	.02218

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.29203	-.00167	6.0944	-.16656	.22207
Stddev	.04628	.01040	.0620	.01452	.04436
%RSD	15.848	624.50	1.0177	8.7194	19.976
#1	.25817	.00167	6.1304	-.17656	.23319
#2	.34476	-.01332	6.1300	-.14990	.25982
#3	.27314	.00666	6.0228	-.17321	.17321

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.01221	.03609	.52021	.00999	.04830
Stddev	.03669	.01781	.01783	.00666	.01855
%RSD	300.40	49.350	3.4276	66.664	38.403
#1	.04997	.03998	.53966	.00333	.06829
#2	-.02332	.01666	.51631	.01666	.03165
#3	.00999	.05163	.50464	.00999	.04497

Approved: October 17, 2005

Sample Name: S0 Run Time: 10/14/05 09:01

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.05544	-.04497	1.3305	.17766
Stddev	.09665	.00600	.0773	.02369
%RSD	174.33	13.352	5.8074	13.333
#1	-.05543	-.04331	1.2859	.16656
#2	.12193	-.03997	1.2859	.16156
#3	.09982	-.05163	1.4197	.20486

Approved: October 17, 2005

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Method: CLP3 Sample Name: S1 Operator:
Comment:
Run Time: 10/14/05 09:07 Type: Std Mode: IR Corr.Fact: 1.000000

Elem	Al3082	B_2496	Ba4554	Be3130	Ca3736
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.11273	3.3769	4.6313	.53593	.79284
Stddev	.06931	.0238	.0439	.04981	.06320
%RSD	61.485	.70523	.94795	9.2937	7.9713
#1	.03327	3.3533	4.6628	.53226	.74848
#2	.14420	3.4009	4.5811	.48806	.86520
#3	.16072	3.3764	4.6499	.58747	.76482

Elem	Cr2677	Fe2714	K_7664	Li6707	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.05885	.50694	7.1161	12.929	3.9293
Stddev	.04739	.05216	.2681	.191	.0595
%RSD	80.516	10.288	3.7672	1.4769	1.5131
#1	-.03665	.46312	7.2806	12.996	3.8747
#2	-.02665	.56463	7.2608	13.078	3.9206
#3	-.11327	.49306	6.8067	12.714	3.9927

Elem	Mo2020	Na5895	Sb2068	Si2516	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.11438	61.081	.04997	1.2609	.05219
Stddev	.00856	.420	.03842	.0325	.00694
%RSD	7.4831	.68793	76.884	2.5747	13.290
#1	.12161	61.464	.03665	1.2494	.04997
#2	.10493	61.146	.01999	1.2358	.04663
#3	.11660	60.632	.09328	1.2976	.05997

Elem	Sr2152	Ti3349	V_3102	Zn2138
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.14991	1.5043	1.6891	1.0188
Stddev	.00865	.0453	.0629	.0114
%RSD	5.7727	3.0100	3.7217	1.1228
#1	.15492	1.5302	1.6189	1.0278
#2	.15489	1.5307	1.7082	1.0060
#3	.13992	1.4521	1.7403	1.0227

Approved: October 17, 2005

Method: CLP3 Sample Name: S2 Operator:
Comment:
Run Time: 10/14/05 09:13 Type: Std Mode: IR Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.30496	.14785	.02554	6.4175	9.4094
Stddev	.03635	.05465	.02218	.0422	.0398
%RSD	11.918	36.964	86.843	.65785	.42339
#1	.27176	.11092	.01999	6.3687	9.4507
#2	.34380	.12199	.00666	6.4434	9.3712
#3	.29931	.21063	.04996	6.4402	9.4062

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.2753	1.4398	.28398	.16545	.36865
Stddev	.0193	.0308	.03603	.00421	.02871
%RSD	1.5123	2.1419	12.686	2.5453	7.7891
#1	1.2645	1.4420	.30478	.16155	.39971
#2	1.2975	1.4694	.24238	.16991	.36315
#3	1.2638	1.4079	.30477	.16488	.34308

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.69124	.77119	14.364	24.833	.10350
Stddev	.06116	.01312	.315	.311	.02307
%RSD	8.8484	1.7017	2.1920	1.2517	22.290
#1	.75428	.78113	14.078	24.570	.11092
#2	.63214	.75632	14.314	24.753	.07763
#3	.68732	.77612	14.702	25.176	.12194

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7.4240	.22485	117.12	.22319	.27537
Stddev	.0144	.01090	.66	.02333	.01572
%RSD	.19447	4.8464	.56650	10.451	5.7070
#1	7.4396	.22317	116.77	.19653	.26981
#2	7.4212	.21489	116.70	.23322	.26320
#3	7.4112	.23649	117.89	.23982	.29312

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.10660	.03331	1.9737	.09993	.24206
Stddev	.02846	.01201	.0251	.01666	.02409
%RSD	26.696	36.048	1.2716	16.667	9.9503
#1	.07994	.04663	1.9503	.11658	.26981
#2	.10328	.02332	1.9707	.09995	.22988
#3	.13657	.02998	2.0002	.08327	.22650

Approved: October 17, 2005

Sample Name: S2 Run Time: 10/14/05 09:13

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.9017	-.01110	1.9739	1.7028
Stddev	.0439	.01294	.0881	.0273
%RSD	1.5140	116.50	4.4645	1.6028
#1	2.8618	.00333	1.8857	1.6821
#2	2.8945	-.01499	1.9740	1.6925
#3	2.9488	-.02165	2.0619	1.7337

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Method: CLP3 Sample Name: S3 Operator:
Comment:
Run Time: 10/14/05 09:19 Type: Std Mode: IR Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7.6568	7.2057	.59191	162.68	262.09
Stddev	.0169	.0447	.02035	.20	.97
%RSD	.22021	.62102	3.4385	.12197	.37036
#1	7.6420	7.1651	.56970	162.51	261.40
#2	7.6531	7.1984	.59635	162.64	263.20
#3	7.6752	7.2537	.60967	162.90	261.68

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	34.040	35.378	1.5675	4.3394	21.958
Stddev	.216	.090	.0404	.0209	.072
%RSD	.63502	.25401	2.5775	.48069	.32838
#1	33.818	35.277	1.6042	4.3377	21.969
#2	34.051	35.409	1.5742	4.3194	21.882
#3	34.250	35.448	1.5242	4.3610	22.025

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	12.204	12.124	402.97	732.08	2.9984
Stddev	.151	.013	3.57	7.14	.0713
%RSD	1.2336	.10737	.88674	.97576	2.3774
#1	12.045	12.132	401.78	727.29	2.9171
#2	12.345	12.109	406.99	740.29	3.0280
#3	12.223	12.130	400.15	728.65	3.0501

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	185.60	6.5632	3139.7	9.5450	1.5625
Stddev	.23	.0086	25.6	.0208	.0033
%RSD	.12637	.13138	.81598	.21809	.21292
#1	185.39	6.5532	3121.2	9.5383	1.5592
#2	185.86	6.5682	3168.9	9.5683	1.5658
#3	185.56	6.5682	3128.9	9.5282	1.5625

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.1411	.34204	39.161	2.6730	5.0484
Stddev	.0320	.01493	.164	.0038	.0035
%RSD	1.4955	4.3656	.41898	.14342	.06853
#1	2.1755	.35148	39.200	2.6686	5.0457
#2	2.1122	.34982	38.981	2.6753	5.0523
#3	2.1355	.32483	39.302	2.6752	5.0473

Approved: October 17, 2005

Sample Name: S3 Run Time: 10/14/05 09:19

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	76.549	.40479	18.360	38.603
Stddev	.438	.01201	.127	.048
%RSD	.57272	2.9679	.69391	.12537
#1	76.043	.41811	18.234	38.638
#2	76.786	.39479	18.356	38.623
#3	76.818	.40145	18.489	38.548

Approved: October 17, 2005

Method: CLP3 Sample Name: S4 Operator:
Comment:
Run Time: 10/14/05 09:25 Type: Std Mode: IR Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	15.205	14.776	1.1971	326.99	523.15
Stddev	.100	.081	.0255	.55	2.19
%RSD	.65476	.55054	2.1256	.16814	.41783
#1	15.095	14.840	1.2027	326.43	520.75
#2	15.231	14.804	1.2194	327.00	525.03
#3	15.289	14.685	1.1694	327.53	523.68

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	68.373	70.144	2.8677	8.6049	44.669
Stddev	.338	.700	.0253	.0440	.052
%RSD	.49438	.99824	.88151	.51099	.11711
#1	68.013	69.349	2.8835	8.5755	44.610
#2	68.683	70.670	2.8810	8.6555	44.687
#3	68.422	70.413	2.8385	8.5838	44.710

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	23.603	23.938	779.52	1437.4	6.2271
Stddev	.100	.075	4.71	16.6	.0430
%RSD	.42350	.31154	.60368	1.1532	.68971
#1	23.702	23.894	782.44	1455.6	6.2334
#2	23.605	24.024	782.02	1433.2	6.1814
#3	23.502	23.896	774.09	1423.3	6.2666

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	375.57	13.192	5977.0	19.214	2.8274
Stddev	.69	.070	35.6	.059	.0214
%RSD	.18476	.53295	.59584	.30848	.75770
#1	374.77	13.148	6010.0	19.147	2.8185
#2	376.01	13.273	5981.7	19.257	2.8518
#3	375.93	13.155	5939.2	19.240	2.8119

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4.3311	.65799	79.527	5.4171	9.9714
Stddev	.0203	.00763	.402	.0145	.0546
%RSD	.46784	1.1602	.50539	.26801	.54771
#1	4.3544	.65965	79.100	5.4071	10.030
#2	4.3211	.66465	79.583	5.4105	9.9631
#3	4.3177	.64966	79.898	5.4338	9.9214

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Sample Name: S4 Run Time: 10/14/05 09:25

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	155.01	.84511	35.776	78.320
Stddev	.96	.01502	.141	.277
%RSD	.61900	1.7775	.39315	.35339
#1	153.90	.84622	35.615	78.117
#2	155.57	.82956	35.845	78.207
#3	155.57	.85955	35.869	78.635

Approved: October 17, 2005

Method: CLP3 Sample Name: S5 Operator:
Comment:
Run Time: 10/14/05 09:31 Type: Std Mode: IR Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	30.498	29.493	2.4209	654.32	1048.5
Stddev	.111	.040	.0386	.83	2.2
%RSD	.36422	.13669	1.5933	.12710	.21386
#1	30.391	29.526	2.3854	653.39	1049.2
#2	30.613	29.504	2.4620	654.57	1050.2
#3	30.491	29.448	2.4154	655.00	1045.9

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	136.12	142.22	5.5404	17.348	89.874
Stddev	.25	.27	.0430	.027	.192
%RSD	.18066	.18914	.77683	.15378	.21334
#1	136.40	141.98	5.5096	17.334	90.066
#2	135.93	142.51	5.5219	17.379	89.874
#3	136.03	142.18	5.5896	17.331	89.683

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	47.387	48.404	1481.6	2754.3	12.404
Stddev	.129	.154	13.7	29.9	.071
%RSD	.27239	.31738	.92209	1.0858	.57599
#1	47.473	48.228	1491.9	2766.2	12.456
#2	47.450	48.512	1486.8	2776.4	12.434
#3	47.239	48.473	1466.1	2720.3	12.323

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	751.34	26.423	10914.	38.243	5.4093
Stddev	1.42	.086	126.	.064	.0502
%RSD	.18875	.32568	1.1573	.16666	.92717
#1	751.74	26.348	10986.	38.230	5.3772
#2	752.52	26.517	10988.	38.312	5.3837
#3	749.77	26.404	10768.	38.187	5.4671

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	8.7653	1.3604	156.19	10.742	20.130
Stddev	.0187	.0218	.63	.043	.083
%RSD	.21333	1.5998	.40470	.39707	.41356
#1	8.7821	1.3676	156.81	10.724	20.043
#2	8.7452	1.3359	156.21	10.791	20.209
#3	8.7687	1.3776	155.54	10.711	20.138

Approved: October 17, 2005

Sample Name: S5 Run Time: 10/14/05 09:31

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	316.15	1.6874	68.687	157.50
Stddev	.56	.0189	.154	.37
%RSD	.17717	1.1194	.22384	.23564
#1	316.29	1.6741	68.747	157.64
#2	316.62	1.7091	68.802	157.78
#3	315.53	1.6791	68.512	157.08

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El Name	Slope	Y-int	Correlation	Date Stdized
Al3082	1.5198	0.0288	0.9996855	10/14/05 09:36:19

Standard Name	Concentration Stated	Concentration Found	Difference Conc	Difference %	Signal (S)IR
S0	0	0.000532750		0	0.029564
S1	0.1	0.055255	-0.0447	-44.7	0.11273
S2	0.2	0.18174	-0.0183	-9.13	0.30496
S3	5	5.0192	0.0192	0.384	7.6568
S4	10	9.9862	-0.0138	-0.138	15.205
S5	20	20.049	0.0488	0.244	30.498

El Name	Slope	Y-int	Correlation	Date Stdized
Ag3280	38.8968	-0.0417	0.9996098	10/14/05 09:36:19

Standard Name	Concentration Stated	Concentration Found	Difference Conc	Difference %	Signal (S)IR
S0	0	2.722e-05	0	0	-0.040647
S2	0.008	0.0048733	-0.00313	-39.1	0.14785
S3	0.2	0.18632	-0.0137	-6.84	7.2057
S4	0.4	0.38096	-0.019	-4.76	14.776
S5	0.8	0.7593	-0.0407	-5.09	29.493

El Name	Slope	Y-int	Correlation	Date Stdized
As1890	3.0262	-0.0044	0.9998170	10/14/05 09:36:19

Standard Name	Concentration Stated	Concentration Found	Difference Conc	Difference %	Signal (S)IR
S0	0	-1.7843e-050		0	-0.0044415
S2	0.008	0.0098884	0.00189	23.6	0.025537
S3	0.2	0.19704	-0.00296	-1.48	0.59191
S4	0.4	0.39704	-0.00296	-0.741	1.1971
S5	0.8	0.80143	0.00143	0.178	2.4209

El Name	Slope	Y-int	Correlation	Date Stdized
B_2496	32.6428	0.3358	0.9999769	10/14/05 09:36:19

Standard Name	Concentration Stated	Concentration Found	Difference Conc	Difference %	Signal (S)IR
S0	0	0.000138920		0	0.34033
S1	0.1	0.093162	-0.00684	-6.84	3.3769
S2	0.2	0.18631	-0.0137	-6.85	6.4175
S3	5	4.9735	-0.0265	-0.531	162.68
S4	10	10.007	0.00694	0.0694	326.99
S5	20	20.034	0.0345	0.172	654.32

El Name	Slope	Y-int	Correlation	Date Stdized
Ba4554	523.6562	-0.1531	0.9999669	10/14/05 09:36:19

Standard Name	Concentration Stated	Concentration Found	Difference Conc	Difference %	Signal (S)IR
S0	0	1.7115e-050		0	-0.14413
S1	0.01	0.0091364	-0.000864	-8.64	4.6313
S2	0.02	0.018261	-0.00174	-8.7	9.4094
S3	0.5	0.50079	0.000795	0.159	262.09
S4	1	0.99933	-0.000671	-0.0671	523.15
S5	2	2.0025	0.00248	0.124	1048.5

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El Name	Slope	Y-int	Correlation	Date Stdized
Be3130	1339.2509	0.0455	0.9998587	10/14/05 09:36:19

Standard Name	Concentration Stated	Found	Difference Conc	%	Signal (S)IR
S0	0	1.8835e-060		0	0.048052
S1	0.0005	0.00036618	-0.000134	-26.8	0.53593
S2	0.001	0.00091824	-8.18e-05	-8.18	1.2753
S3	0.025	0.025383	0.000383	1.53	34.04
S4	0.05	0.051019	0.00102	2.04	68.373
S5	0.1	0.1016	0.0016	1.6	136.12

El Name	Slope	Y-int	Correlation	Date Stdized
Ca3736	7.0411	0.0811	0.9999761	10/14/05 09:36:19

Standard Name	Concentration Stated	Found	Difference Conc	%	Signal (S)IR
S0	0	3.7731e-050		0	0.081317
S1	0.1	0.10109	0.00109	1.09	0.79284
S2	0.2	0.19297	-0.00703	-3.51	1.4398
S3	5	5.013	0.013	0.26	35.378
S4	10	9.9506	-0.0494	-0.494	70.144
S5	20	20.188	0.188	0.938	142.22

El Name	Slope	Y-int	Correlation	Date Stdized
Cd2288	51.6645	0.2604	0.9991130	10/14/05 09:36:19

Standard Name	Concentration Stated	Found	Difference Conc	%	Signal (S)IR
S0	0	5.5481e-060		0	0.26066
S2	0.001	0.0004569	-0.000543	-54.3	0.28398
S3	0.025	0.0253	0.0003	1.2	1.5675
S4	0.05	0.050466	0.000466	0.931	2.8677
S5	0.1	0.1022	0.0022	2.2	5.5404

El Name	Slope	Y-int	Correlation	Date Stdized
Co2286	43.7276	-0.0265	0.9999610	10/14/05 09:36:19

Standard Name	Concentration Stated	Found	Difference Conc	%	Signal (S)IR
S0	0	-4.1832e-060		0	-0.026649
S2	0.004	0.0043888	0.000389	9.72	0.16545
S3	0.1	0.099842	-0.000158	-0.158	4.3394
S4	0.2	0.19739	-0.00261	-1.31	8.6049
S5	0.4	0.39733	-0.00267	-0.667	17.348

El Name	Slope	Y-int	Correlation	Date Stdized
Cr2677	90.1208	-0.4616	0.9999624	10/14/05 09:36:19

Standard Name	Concentration Stated	Found	Difference Conc	%	Signal (S)IR
S0	0	9.3758e-060		0	-0.4608
S1	0.005	0.0044695	-0.000531	-10.6	-0.058855
S2	0.01	0.0092131	-0.000787	-7.87	0.36865
S3	0.25	0.24878	-0.00122	-0.489	21.958
S4	0.5	0.50078	0.000776	0.155	44.669
S5	1	1.0024	0.00239	0.239	89.874

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El Name	Slope	Y-int	Correlation	Date Stdized
Cu3247	47.5630	0.2401	0.9999675	10/14/05 09:36:19

Standard Name	Concentration Stated	Concentration Found	Difference Conc	Difference %	Signal (S)IR
S0	0	3.402e-06	0	0	0.24022
S2	0.01	0.0094862	-0.000514	-5.14	0.69124
S3	0.25	0.25154	0.00154	0.618	12.204
S4	0.5	0.4912	-0.0088	-1.76	23.603
S5	1	0.99126	-0.00874	-0.874	47.387

El Name	Slope	Y-int	Correlation	Date Stdized
Fe2714	6.0764	0.2907	0.9999537	10/14/05 09:36:19

Standard Name	Concentration Stated	Concentration Found	Difference Conc	Difference %	Signal (S)IR
S0	0	3.7045e-050		0	0.29093
S1	0.04	0.035586	-0.00441	-11	0.50694
S2	0.08	0.079075	-0.000925	-1.16	0.77119
S3	2	1.9474	-0.0526	-2.63	12.124
S4	4	3.8917	-0.108	-2.71	23.938
S5	8	7.9181	-0.0819	-1.02	48.404

El Name	Slope	Y-int	Correlation	Date Stdized
K_7664	15.2369	0.2248	0.9994470	10/14/05 09:36:19

Standard Name	Concentration Stated	Concentration Found	Difference Conc	Difference %	Signal (S)IR
S0	0	0.000530150		0	0.23289
S1	0.5	0.45227	-0.0477	-9.55	7.1161
S2	1	0.92798	-0.072	-7.2	14.364
S3	25	26.432	1.43	5.73	402.97
S4	50	51.145	1.15	2.29	779.52
S5	100	97.225	-2.78	-2.78	1481.6

El Name	Slope	Y-int	Correlation	Date Stdized
Li6707	1403.4320	1.9713	0.9995360	10/14/05 09:36:19

Standard Name	Concentration Stated	Concentration Found	Difference Conc	Difference %	Signal (S)IR
S0	0	3.5843e-050		0	2.0216
S1	0.01	0.0078079	-0.00219	-21.9	12.929
S2	0.02	0.01629	-0.00371	-18.6	24.833
S3	0.5	0.52023	0.0202	4.05	732.08
S4	1	1.0228	0.0228	2.28	1437.4
S5	2	1.9611	-0.0389	-1.94	2754.3

El Name	Slope	Y-int	Correlation	Date Stdized
Mg2779	0.6325	0.0254	0.9995168	10/14/05 09:36:19

Standard Name	Concentration Stated	Concentration Found	Difference Conc	Difference %	Signal (S)IR
S0	0	0.000739750		0	0.02587
S2	0.2	0.12348	-0.0765	-38.3	0.1035
S3	5	4.7004	-0.3	-5.99	2.9984
S4	10	9.8053	-0.195	-1.95	6.2271
S5	20	19.572	-0.428	-2.14	12.404

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El Name	Slope	Y-int	Correlation	Date Stdized
Mn2576	749.5401	0.2889	0.9999822	10/14/05 09:36:19

Standard Name	Concentration Stated	Concentration Found	Difference Conc	Difference %	Signal (S)IR
S0	0	4.1215e-060		0	0.29203
S1	0.005	0.0048568	-0.000143	-2.86	3.9293
S2	0.01	0.0095193	-0.000481	-4.81	7.424
S3	0.25	0.24724	-0.00276	-1.1	185.6
S4	0.5	0.50068	0.00068	0.136	375.57
S5	1	1.002	0.00202	0.202	751.34

El Name	Slope	Y-int	Correlation	Date Stdized
Mo2020	13.1575	-0.0020	0.9999217	10/14/05 09:36:19

Standard Name	Concentration Stated	Concentration Found	Difference Conc	Difference %	Signal (S)IR
S0	0	2.5728e-050		0	-0.0016656
S1	0.01	0.0088452	-0.00115	-11.5	0.11438
S2	0.02	0.017242	-0.00276	-13.8	0.22485
S3	0.5	0.49897	-0.00103	-0.206	6.5632
S4	1	1.0028	0.00277	0.277	13.192
S5	2	2.0084	0.00837	0.418	26.423

El Name	Slope	Y-int	Correlation	Date Stdized
Na5895	114.3258	6.1102	0.9984632	10/14/05 09:36:19

Standard Name	Concentration Stated	Concentration Found	Difference Conc	Difference %	Signal (S)IR
S0	0	-0.000138360		0	6.0944
S1	0.5	0.48082	-0.0192	-3.84	61.081
S2	1	0.971	-0.029	-2.9	117.12
S3	25	27.409	2.41	9.64	3139.7
S4	50	52.227	2.23	4.45	5977
S5	100	95.412	-4.59	-4.59	10914

El Name	Slope	Y-int	Correlation	Date Stdized
Ni2316	38.5413	-0.1665	0.9999876	10/14/05 09:36:19

Standard Name	Concentration Stated	Concentration Found	Difference Conc	Difference %	Signal (S)IR
S0	0	-1.7793e-060		0	-0.16656
S2	0.01	0.010111	0.000111	1.11	0.22319
S3	0.25	0.25198	0.00198	0.79	9.545
S4	0.5	0.50286	0.00286	0.572	19.214
S5	1	0.99658	-0.00342	-0.342	38.243

El Name	Slope	Y-int	Correlation	Date Stdized
Pb2203	5.2070	0.2221	0.9999347	10/14/05 09:36:19

Standard Name	Concentration Stated	Concentration Found	Difference Conc	Difference %	Signal (S)IR
S0	0	-4.0265e-060		0	0.22207
S2	0.01	0.010232	0.000232	2.32	0.27537
S3	0.25	0.25742	0.00742	2.97	1.5625
S4	0.5	0.50035	0.000345	0.069	2.8274
S5	1	0.9962	-0.0038	-0.38	5.4093

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El Name	Slope	Y-int	Correlation	Date Stdized
Sb2068	3.6613	0.0122	0.9999057	10/14/05 09:36:19

Standard Name	Concentration Stated	Concentration Found	Difference Conc	Difference %	Signal (S)IR
S0	0	7.3717e-060		0	0.012215
S1	0.012	0.01032	-0.00168	-14	0.049971
S2	0.024	0.025786	0.00179	7.44	0.1066
S3	0.6	0.58147	-0.0185	-3.09	2.1411
S4	1.2	1.1796	-0.0204	-1.7	4.3311
S5	2.4	2.3907	-0.00926	-0.386	8.7653

El Name	Slope	Y-int	Correlation	Date Stdized
Se1960	1.5008	0.0359	0.9952652	10/14/05 09:36:19

Standard Name	Concentration Stated	Concentration Found	Difference Conc	Difference %	Signal (S)IR
S2	0.008	-0.0017443	-0.00974	-122	0.033311
S3	0.2	0.20397	0.00397	1.99	0.34204
S4	0.4	0.41449	0.0145	3.62	0.65799
S0	0	0.000105440		0	0.036087
S5	0.8	0.88252	0.0825	10.3	1.3604

El Name	Slope	Y-int	Correlation	Date Stdized
Si2516	15.5642	0.5193	0.9999527	10/14/05 09:36:19

Standard Name	Concentration Stated	Concentration Found	Difference Conc	Difference %	Signal (S)IR
S0	0	5.934e-05	0	0	0.52021
S1	0.05	0.04765	-0.00235	-4.7	1.2609
S2	0.1	0.093447	-0.00655	-6.55	1.9737
S3	2.5	2.4827	-0.0173	-0.691	39.161
S4	5	5.0762	0.0762	1.52	79.527
S5	10	10.002	0.00163	0.0163	156.19

El Name	Slope	Y-int	Correlation	Date Stdized
Sn1899	5.3641	0.0098	0.9998507	10/14/05 09:36:19

Standard Name	Concentration Stated	Concentration Found	Difference Conc	Difference %	Signal (S)IR
S0	0	3.6804e-050		0	0.0099932
S1	0.01	0.0079035	-0.0021	-21	0.052191
S2	0.02	0.016804	-0.0032	-16	0.099935
S3	0.5	0.49649	-0.00351	-0.702	2.673
S4	1	1.0081	0.00806	0.806	5.4171
S5	2	2.0007	0.000746	0.0373	10.742

El Name	Slope	Y-int	Correlation	Date Stdized
Sr2152	10.0203	0.0483	0.9999838	10/14/05 09:36:19

Standard Name	Concentration Stated	Concentration Found	Difference Conc	Difference %	Signal (S)IR
S0	0	1.8503e-060		0	0.048301
S1	0.01	0.010142	0.000142	1.42	0.14991
S2	0.02	0.019339	-0.000661	-3.31	0.24206
S3	0.5	0.499	-0.000998	-0.2	5.0484
S4	1	0.9903	-0.0097	-0.97	9.9714
S5	2	2.0041	0.00409	0.204	20.13

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El Name	Slope	Y-int	Correlation	Date Stdized
Ti3349	156.7479	0.0526	0.9998926	10/14/05 09:36:19

Standard	Concentration		Difference		Signal
Name	Stated	Found	Conc	%	(S)IR
S0	0	1.7887e-050		0	0.055443
S1	0.01	0.0092614	-0.000739	-7.39	1.5043
S2	0.02	0.018176	-0.00182	-9.12	2.9017
S3	0.5	0.48802	-0.012	-2.4	76.549
S4	1	0.98859	-0.0114	-1.14	155.01
S5	2	2.0166	0.0166	0.83	316.15

El Name	Slope	Y-int	Correlation	Date Stdized
Tl1908	1.8758	-0.0448	0.9974982	10/14/05 09:36:19

Standard	Concentration		Difference		Signal
Name	Stated	Found	Conc	%	(S)IR
S0	0	-8.6519e-050		0	-0.04497
S3	0.25	0.23968	-0.0103	-4.13	0.40479
S4	0.5	0.47442	-0.0256	-5.12	0.84511
S5	1	0.92347	-0.0765	-7.65	1.6874
S2	0.01	0.017968	0.00797	79.7	-0.011104

El Name	Slope	Y-int	Correlation	Date Stdized
V_3102	33.9432	1.3306	0.9999385	10/14/05 09:36:19

Standard	Concentration		Difference		Signal
Name	Stated	Found	Conc	%	(S)IR
S0	0	-1.3873e-060		0	1.3305
S1	0.01	0.010564	0.000564	5.64	1.6891
S2	0.02	0.018954	-0.00105	-5.23	1.9739
S3	0.5	0.5017	0.0017	0.341	18.36
S4	1	1.0148	0.0148	1.48	35.776
S5	2	1.9844	-0.0156	-0.781	68.687

El Name	Slope	Y-int	Correlation	Date Stdized
Zn2138	77.9303	0.1780	0.9999587	10/14/05 09:36:19

Standard	Concentration		Difference		Signal
Name	Stated	Found	Conc	%	(S)IR
S0	0	-3.8269e-060		0	0.17766
S1	0.01	0.01079	0.00079	7.9	1.0188
S2	0.02	0.019566	-0.000434	-2.17	1.7028
S3	0.5	0.49307	-0.00693	-1.39	38.603
S4	1	1.0027	0.00272	0.272	78.32
S5	2	2.0187	0.0187	0.937	157.5

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Method: CLP3 Sample Name: ICV Operator:
Comment:
Run Time: 10/14/05 09:38 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	10.148	.40448	.39883	9.5901	Q 1.0543
Stddev	.091	.00353	.00446	.0249	.0013
%RSD	.89345	.87303	1.1171	.26016	.12661
#1	10.164	.40079	.39957	9.5659	1.0548
#2	10.051	.40482	.40287	9.5888	1.0528
#3	10.230	.40783	.39405	9.6157	1.0553
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail
Value	10.000	.40000	.40000	10.000	1.0000
Range	5.0000%	5.0000%	5.0000%	5.0000%	5.0000%

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.05003	9.9303	.05016	.20056	.49923
Stddev	.00021	.0437	.00050	.00092	.00142
%RSD	.42741	.44061	.99330	.45788	.28446
#1	.04978	9.9074	.05024	.19983	.49813
#2	.05010	9.9807	.05062	.20159	.49873
#3	.05019	9.9027	.04963	.20025	.50083
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.05000	10.000	.05000	.20000	.50000
Range	5.0000%	5.0000%	5.0000%	5.0000%	5.0000%

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.50367	4.0386	51.074	1.0053	9.9650
Stddev	.00128	.0168	.481	.0177	.2370
%RSD	.25408	.41670	.94189	1.7646	2.3779
#1	.50427	4.0295	51.159	1.0083	10.035
#2	.50220	4.0580	50.555	.98632	10.159
#3	.50454	4.0283	51.506	1.0214	9.7008
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	4.0000	50.000	1.0000	10.000
Range	5.0000%	5.0000%	5.0000%	5.0000%	5.0000%

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.50154	1.0275	51.389	.51173	.51004
Stddev	.00060	.0036	.747	.00120	.00454
%RSD	.11891	.35280	1.4528	.23520	.89055
#1	.50091	1.0278	51.217	.51112	.50960
#2	.50209	1.0310	50.743	.51311	.51478
#3	.50163	1.0237	52.206	.51095	.50573
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	1.0000	50.000	.50000	.50000
Range	5.0000%	5.0000%	5.0000%	5.0000%	5.0000%

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Sample Name: ICV Run Time: 10/14/05 09:38

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.1942	.39093	Q -.00122	1.0486	.99511
Stddev	.0064	.00461	.00137	.0077	.00751
%RSD	.53790	1.1797	111.95	.73151	.75471
#1	1.2005	.38727	.00003	1.0465	.99565
#2	1.1944	.39611	-.00268	1.0571	1.0023
#3	1.1877	.38942	-.00102	1.0422	.98735
Check ?	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	1.2000	.40000	5.0000	1.0000	1.0000
Range	5.0000%	5.0000%	5.0000%	5.0000%	5.0000%

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.98531	.50828	1.0123	1.0008
Stddev	.00102	.01338	.0072	.0028
%RSD	.10396	2.6329	.71177	.27664
#1	.98420	.49951	1.0047	.99860
#2	.98552	.50164	1.0190	.99994
#3	.98621	.52368	1.0132	1.0039
Check ?	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.50000	1.0000	1.0000
Range	5.0000%	5.0000%	5.0000%	5.0000%

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Method: CLP3 Sample Name: ICB Operator:
Comment:
Run Time: 10/14/05 09:44 Type: Blank Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00535	-.00209	-.00259	.00463	-.00004
Stddev	.02578	.00052	.00254	.00135	.00006
%RSD	481.57	24.972	97.938	29.192	157.44
#1	.02836	-.00237	-.00407	.00614	.00001
#2	.01021	-.00240	.00034	.00421	-.00011
#3	-.02251	-.00149	-.00406	.00354	-.00001
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.20000	.00500	.01000	.05000	.00250
Low Limit	-.20000	-.00500	-.01000	-.05000	-.00250

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00001	.00947	-.00063	.00062	-.00030
Stddev	.00002	.00730	.00006	.00014	.00027
%RSD	360.15	77.063	8.9233	21.985	89.596
#1	-.00002	.00110	-.00062	.00076	-.00016
#2	.00002	.01285	-.00069	.00060	-.00061
#3	-.00002	.01447	-.00057	.00049	-.00013
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00025	.05000	.00100	.00250	.00250
Low Limit	-.00025	-.05000	-.00100	-.00250	-.00250

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00086	.00136	.03630	.00012	.01224
Stddev	.00014	.00271	.00972	.00005	.04675
%RSD	16.302	198.98	26.769	44.299	381.97
#1	.00078	-.00110	.03363	.00018	.03031
#2	.00077	.00426	.04708	.00007	.04726
#3	.00102	.00092	.02820	.00011	-.04085
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.01000	.02000	.25000	.05000	.10000
Low Limit	-.01000	-.02000	-.25000	-.05000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00003	.00036	.00859	.00008	.00106
Stddev	.00005	.00257	.00287	.00043	.00289
%RSD	147.02	707.07	33.448	512.94	271.48
#1	.00001	.00332	.01167	-.00035	-.00171
#2	-.00008	-.00086	.00812	.00052	.00085
#3	-.00002	-.00137	.00598	.00008	.00405
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00250	.05000	.10000	.01000	.01000
Low Limit	-.00250	-.05000	-.10000	-.01000	-.01000

Approved: October 17, 2005
Sheri L. Blakgard

Sample Name: ICB Run Time: 10/14/05 09:44

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00486	L -.01580	-.00030	-.00141	-.00094
Stddev	.00104	.00170	.00110	.00200	.00063
%RSD	21.354	10.777	366.27	141.37	67.133
#1	-.00423	-.01620	-.00129	.00004	-.00166
#2	-.00606	-.01393	.00089	-.00058	-.00066
#3	-.00430	-.01727	-.00050	-.00369	-.00050
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	.02000	.01000	.25000	.20000	.00500
Low Limit	-.02000	-.01000	-.25000	-.20000	-.00500

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.00037	.00107	-.00098	-.00020
Stddev	.00092	.00132	.00132	.00037
%RSD	247.18	123.77	134.37	187.25
#1	.00087	.00078	-.00099	.00020
#2	.00094	.00251	-.00230	-.00054
#3	-.00069	-.00009	.00034	-.00025
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.01500	.02000	.00728	.01000
Low Limit	-.01500	-.02000	-.00728	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: ICSA Operator:
Comment:
Run Time: 10/14/05 09:50 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	246.42	.00137	.00041	.02220	.00036
Stddev	.87	.00132	.00110	.00059	.00020
%RSD	.35416	96.523	266.96	2.6371	54.518
#1	246.01	.00282	.00153	.02176	.00056
#2	247.43	.00021	.00039	.02287	.00036
#3	245.83	.00109	-.00068	.02199	.00017
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	250.00	.00000	.00000	.00000	.00000
Range	±50.000	±.00400	±.02000	±.10000	±.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00007	242.66	-.00022	.00390	.00130
Stddev	.00004	.30	.00044	.00099	.00048
%RSD	53.210	.12554	205.47	25.356	36.636
#1	-.00010	242.53	-.00062	.00288	.00173
#2	-.00009	243.00	.00026	.00485	.00137
#3	-.00003	242.44	-.00028	.00397	.00079
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	250.00	.00000	.00000	.00000
Range	±.00050	±50.000	±.00200	±.00500	±.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00143	93.308	.00384	.01476	246.33
Stddev	.00133	.543	.00694	.00019	1.99
%RSD	93.347	.58162	180.65	1.2802	.80749
#1	.00103	93.888	-.00269	.01496	244.06
#2	.00034	93.221	.01112	.01474	247.80
#3	.00291	92.814	.00309	.01458	247.12
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	100.00	.00000	.00000	250.00
Range	±.00500	±20.000	±.50000	±.10000	±50.000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00335	.00042	.02476	.00366	-.01474
Stddev	.00003	.00034	.00292	.00057	.00457
%RSD	.91695	79.987	11.783	15.682	30.980
#1	.00331	.00080	.02630	.00428	-.01884
#2	.00336	.00017	.02659	.00314	-.01556
#3	.00337	.00029	.02140	.00357	-.00982
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000
Range	±.00500	±.10000	±.50000	±.02000	±.02000

Approved: October 17, 2005
Sheri L. Blakeslee

Sample Name: ICSA Run Time: 10/14/05 09:50

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00440	-.00247	.05102	.00128	.00490
Stddev	.00698	.01118	.00161	.00062	.00288
%RSD	158.84	451.91	3.1641	48.532	58.721
#1	-.01048	.00623	.04965	.00190	.00198
#2	-.00593	-.01508	.05061	.00066	.00772
#3	.00323	.00143	.05280	.00128	.00499
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000
Range	±.02000	±.02000	±.50000	±.50000	±.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.00733	-.01540	.00349	-.00652
Stddev	.00057	.01157	.00063	.00032
%RSD	7.7822	75.139	17.917	4.8968
#1	.00712	-.01421	.00348	-.00683
#2	.00798	-.00447	.00287	-.00653
#3	.00690	-.02752	.00412	-.00620
Check ?	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000
Range	±.03000	±.04000	±.01000	±.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: ICSAB Operator:
Comment:
Run Time: 10/14/05 09:56 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	246.39	.49121	.25087	.02246	.24745
Stddev	.29	.00170	.01879	.00024	.00052
%RSD	.11688	.34630	7.4890	1.0727	.21189
#1	246.73	.49289	.22918	.02254	.24687
#2	246.24	.49125	.26226	.02265	.24760
#3	246.22	.48948	.26116	.02219	.24789
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	250.00	.50000	.25000	.00000	.25000
Range	±50.000	±.10000	±.05000	±.20000	±.05000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.24847	242.19	.49164	.23043	.23604
Stddev	.00106	1.43	.00319	.00111	.00079
%RSD	.42766	.58941	.64967	.48253	.33583
#1	.24724	240.55	.48945	.22951	.23513
#2	.24915	242.88	.49017	.23010	.23639
#3	.24902	243.14	.49531	.23166	.23660
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.25000	250.00	.50000	.25000	.25000
Range	±.05000	±50.000	±.10000	±.05000	±.05000

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.25140	98.492	4.8228	.01465	240.47
Stddev	.00176	.463	.0571	.00007	.47
%RSD	.69963	.46987	1.1832	.50573	.19595
#1	.25304	98.003	4.8886	.01457	240.17
#2	.24954	98.550	4.7875	.01468	241.01
#3	.25163	98.923	4.7923	.01470	240.22
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.25000	100.00	5.0000	.00000	250.00
Range	±.05000	±20.000	±1.0000	±.20000	±50.000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.23067	.00077	5.1482	.46702	.45635
Stddev	.00052	.00177	.0724	.00168	.00952
%RSD	.22569	230.60	1.4069	.36026	2.0865
#1	.23011	.00001	5.2315	.46508	.44895
#2	.23114	-.00050	5.1140	.46786	.45300
#3	.23075	.00280	5.0993	.46812	.46709
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.25000	.00000	5.0000	.50000	.50000
Range	±.05000	±.20000	±1.0000	±.10000	±.10000

Approved: October 17, 2005
Sheri L. Blakgrove

Sample Name: ICSAB Run Time: 10/14/05 09:56

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.48411	.24475	.10867	-.00245	.00972
Stddev	.00491	.02683	.00274	.00493	.00460
%RSD	1.0151	10.963	2.5256	201.43	47.318
#1	.47846	.27571	.11111	.00314	.01287
#2	.48651	.22810	.10919	-.00431	.01186
#3	.48737	.23045	.10570	-.00617	.00444
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.25000	.00000	.00000	.00000
Range	±.10000	±.05000	±1.0000	±1.0000	±.02000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.00694	.43467	.23935	.48076
Stddev	.00022	.00767	.00160	.00185
%RSD	3.1562	1.7654	.67028	.38473
#1	.00671	.43021	.23861	.47915
#2	.00699	.43028	.24120	.48278
#3	.00714	.44354	.23826	.48035
Check ?	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.50000	.25000	.50000
Range	±.06000	±.10000	±.05000	±.10000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: CCV Operator:
Comment:
Run Time: 10/14/05 10:02 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	10.284	.39599	.41611	9.5911	1.0553
Stddev	.034	.00112	.01149	.0116	.0037
%RSD	.33159	.28255	2.7606	.12055	.34976
#1	10.272	.39567	.42161	9.5778	1.0516
#2	10.258	.39723	.42381	9.5979	1.0554
#3	10.323	.39506	.40290	9.5977	1.0590
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	.40000	.40000	10.000	1.0000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04984	9.9286	.05064	.20300	.49425
Stddev	.00020	.0509	.00017	.00021	.00034
%RSD	.40695	.51246	.32930	.10570	.06793
#1	.04960	9.8711	.05070	.20287	.49461
#2	.04996	9.9680	.05045	.20325	.49418
#3	.04995	9.9466	.05077	.20287	.49395
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.05000	10.000	.05000	.20000	.50000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.51339	4.0847	50.703	.99928	9.8658
Stddev	.00178	.0084	.322	.00441	.0623
%RSD	.34602	.20507	.63506	.44087	.63189
#1	.51328	4.0879	50.824	.99995	9.8100
#2	.51168	4.0910	50.338	.99458	9.9331
#3	.51522	4.0752	50.947	1.0033	9.8544
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	4.0000	50.000	1.0000	10.000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.50012	1.0350	50.939	.50937	.51257
Stddev	.00030	.0034	.129	.00092	.00098
%RSD	.05979	.32892	.25249	.18136	.19193
#1	.50002	1.0329	50.997	.50879	.51150
#2	.50046	1.0333	50.791	.50888	.51343
#3	.49989	1.0390	51.028	.51044	.51278
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	1.0000	50.000	.50000	.50000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Approved: October 17, 2005
Sheri L. Blakgrove

Sample Name: CCV Run Time: 10/14/05 10:02

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.2124	.40768	Q -.00720	1.0470	1.0123
Stddev	.0064	.01725	.00126	.0059	.0050
%RSD	.52817	4.2302	17.463	.56135	.49469
#1	1.2095	.40733	-.00857	1.0403	1.0167
#2	1.2079	.42510	-.00693	1.0515	1.0135
#3	1.2197	.39061	-.00610	1.0490	1.0068
Check ?	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	1.2000	.40000	5.0000	1.0000	1.0000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.99080	.50560	.98575	.99365
Stddev	.00520	.01374	.00399	.00071
%RSD	.52468	2.7168	.40471	.07180
#1	.98500	.49629	.98116	.99330
#2	.99504	.49914	.98769	.99318
#3	.99237	.52138	.98840	.99447
Check ?	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.50000	1.0000	1.0000
Range	10.000%	10.000%	10.000%	10.000%

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: CCB Operator:
Comment:
Run Time: 10/14/05 10:08 Type: Blank Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.04628	-.00026	-.00221	.01133	.00002
Stddev	.03933	.00126	.00636	.00844	.00015
%RSD	84.981	489.29	287.81	74.434	623.83
#1	-.00130	-.00112	-.00956	.00318	.00020
#2	-.07420	.00118	.00145	.01079	-.00005
#3	-.06334	-.00083	.00148	.02003	-.00008
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.20000	.00500	.01000	.05000	.00250
Low Limit	-.20000	-.00500	-.01000	-.05000	-.00250

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00004	.02096	.00080	-.00079	-.00031
Stddev	.00001	.00942	.00046	.00045	.00087
%RSD	25.734	44.952	56.891	57.506	277.22
#1	.00005	.01132	.00133	-.00111	-.00128
#2	.00003	.03014	.00056	-.00027	-.00009
#3	.00003	.02141	.00051	-.00099	.00042
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00025	.05000	.00100	.00250	.00250
Low Limit	-.00025	-.05000	-.00100	-.00250	-.00250

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00395	.00821	.12572	-.00063	-.03508
Stddev	.00047	.00713	.06774	.00017	.07134
%RSD	11.854	86.857	53.881	27.667	203.35
#1	-.00442	.00099	.19235	-.00076	-.11174
#2	-.00348	.00838	.12790	-.00068	.02935
#3	-.00395	.01524	.05692	-.00043	-.02285
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.01000	.02000	.25000	.05000	.10000
Low Limit	-.01000	-.02000	-.25000	-.05000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00020	-.00146	.00035	-.00444	H .01238
Stddev	.00004	.00089	.01182	.00099	.00545
%RSD	20.255	61.007	3354.4	22.410	44.008
#1	.00023	-.00137	.01203	-.00346	.01812
#2	.00022	-.00239	.00063	-.00441	.01175
#3	.00016	-.00061	-.01160	-.00545	.00728
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Fail
High Limit	.00250	.05000	.10000	.01000	.01000
Low Limit	-.00250	-.05000	-.10000	-.01000	-.01000

Approved: October 17, 2005

Sample Name: CCB Run Time: 10/14/05 10:08

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00322	L -.01507	-.03517	-.00514	H .00588
Stddev	.00916	.01221	.00236	.00637	.00083
%RSD	284.65	81.043	6.7205	124.04	14.157
#1	-.00171	-.00285	-.03293	-.01052	.00665
#2	-.00243	-.02727	-.03495	.00190	.00599
#3	.01379	-.01507	-.03764	-.00679	.00500
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Fail
High Limit	.02000	.01000	.25000	.20000	.00500
Low Limit	-.02000	-.01000	-.25000	-.20000	-.00500

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	-.00024	-.00443	L -.02025	.00095
Stddev	.00025	.01333	.00057	.00036
%RSD	102.39	300.81	2.7924	38.156
#1	.00002	.00918	-.02058	.00065
#2	-.00027	-.00501	-.01960	.00136
#3	-.00048	-.01746	-.02058	.00085
Check ?	LC Pass	LC Pass	LC Fail	LC Pass
High Limit	.01500	.02000	.00728	.01000
Low Limit	-.01500	-.02000	-.00728	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: PBS C4 Operator: SLP
Comment: WG198562-02
Run Time: 10/14/05 10:14 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	.03701	.00022	-.00516	.01086	.00011
Stddev	.01472	.00150	.00291	.00379	.00026
%RSD	39.780	686.97	56.398	34.891	247.05
#1	.05401	-.00064	-.00186	.01482	.00008
#2	.02850	-.00066	-.00626	.01049	-.00014
#3	.02853	.00195	-.00736	.00727	.00038
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.20000	.00800	.02000	.10000	.01000
Low Limit	-.20000	-.00800	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00002	.06081	-.00027	-.00007	.00115
Stddev	.00003	.00547	.00013	.00006	.00025
%RSD	117.45	8.9952	47.262	96.207	21.792
#1	-.00004	.06713	-.00029	-.00011	.00087
#2	.00001	.05761	-.00037	.00001	.00124
#3	-.00003	.05771	-.00013	-.00010	.00135
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00050	.20000	.00200	.00500	.00500
Low Limit	-.00050	-.20000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00070	.00992	.02394	-.00021	-.02900
Stddev	.00168	.00571	.00246	.00008	.04412
%RSD	239.27	57.521	10.295	38.383	152.15
#1	-.00015	.00672	.02199	-.00012	-.02283
#2	.00265	.01651	.02671	-.00028	.01171
#3	-.00038	.00654	.02312	-.00023	-.07588
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00500	.04000	.50000	.10000	.10000
Low Limit	-.00500	-.04000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00163	-.00024	.04112	-.00026	.00361
Stddev	.00002	.00033	.00296	.00090	.00455
%RSD	1.1559	137.31	7.1958	345.99	125.98
#1	.00163	-.00012	.03847	.00078	.00275
#2	.00164	-.00062	.04431	-.00087	-.00045
#3	.00161	.00001	.04058	-.00069	.00852
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.01000	.10000	.50000	.02000	.02000
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005

Sample Name: PBS C4 Run Time: 10/14/05 10:14

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00446	-.01299	.00291	.02343	.00194
Stddev	.00046	.01058	.00121	.00498	.00283
%RSD	10.250	81.432	41.619	21.256	145.98
#1	-.00467	-.00745	.00377	.02860	.00349
#2	-.00478	-.02519	.00344	.02301	.00366
#3	-.00394	-.00634	.00152	.01867	-.00133
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.02000	.02000	1.0000	.50000	.01000
Low Limit	-.02000	-.02000	-1.0000	-.50000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.00073	.00317	.00010	.00815
Stddev	.00046	.00438	.00082	.00022
%RSD	63.874	138.38	791.12	2.6653
#1	.00066	-.00187	-.00001	.00816
#2	.00122	.00522	-.00066	.00793
#3	.00030	.00615	.00098	.00837
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.03000	.04000	.01000	.02000
Low Limit	-.03000	-.04000	-.01000	-.02000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: LCSS C4 Operator: SLP
Comment: WG198562-03
Run Time: 10/14/05 10:20 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	4.9584	.19373	.18378	4.8725	.49954
Stddev	.0298	.00079	.00063	.0206	.00300
%RSD	.60183	.40991	.34371	.42271	.60066
#1	4.9412	.19440	.18341	4.8519	.50135
#2	4.9412	.19285	.18342	4.8723	.50119
#3	4.9929	.19393	.18451	4.8931	.49607
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	6.0000	.24000	.24000	6.0000	.60000
Low Limit	4.0000	.16000	.16000	4.0000	.40000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.02523	5.0025	.02420	.09836	.25156
Stddev	.00009	.0295	.00058	.00146	.00146
%RSD	.36782	.58974	2.3971	1.4834	.58141
#1	.02512	4.9932	.02354	.09677	.24994
#2	.02529	5.0356	.02461	.09865	.25279
#3	.02527	4.9788	.02446	.09964	.25194
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.03000	6.0000	.03000	.12000	.30000
Low Limit	.02000	4.0000	.02000	.08000	.20000

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.25840	1.9757	23.826	.49639	4.6198
Stddev	.00206	.0128	.307	.00974	.0650
%RSD	.79798	.64994	1.2886	1.9617	1.4069
#1	.25612	1.9612	24.142	.50633	4.6942
#2	.25895	1.9858	23.529	.48687	4.5910
#3	.26013	1.9799	23.807	.49597	4.5741
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.30000	2.4000	30.000	.60000	6.0000
Low Limit	.20000	1.6000	20.000	.40000	4.0000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.25020	.50385	25.490	.24945	.24555
Stddev	.00116	.00464	.325	.00112	.00330
%RSD	.46336	.92144	1.2749	.44706	1.3430
#1	.24886	.49849	25.821	.24821	.24277
#2	.25084	.50660	25.171	.24977	.24919
#3	.25090	.50647	25.477	.25037	.24469
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.30000	.60000	30.000	.30000	.30000
Low Limit	.20000	.40000	20.000	.20000	.20000

Approved: October 17, 2005
Sheri L. Blakgard

Sample Name: LCSS C4 Run Time: 10/14/05 10:20

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.57157	.17675	2.4440	.51885	.49153
Stddev	.00509	.00745	.0055	.00200	.00723
%RSD	.89079	4.2173	.22656	.38515	1.4712
#1	.56701	.18534	2.4411	.51802	.48359
#2	.57706	.17301	2.4405	.52113	.49774
#3	.57064	.17191	2.4504	.51740	.49325
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.72000	.24000	3.0000	.60000	.60000
Low Limit	.48000	.16000	2.0000	.40000	.40000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.49258	.26193	.50122	.48887
Stddev	.00190	.00951	.00344	.00171
%RSD	.38656	3.6300	.68693	.34956
#1	.49270	.25177	.49792	.48691
#2	.49443	.27062	.50479	.49007
#3	.49062	.26340	.50094	.48962
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.60000	.30000	.60000	.60000
Low Limit	.40000	.20000	.40000	.40000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051020401 Operator: SLP
Comment:
Run Time: 10/14/05 10:26 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	388.67	.02408	.07399	.09444	4.0404
Stddev	.51	.00183	.00797	.00073	.0077
%RSD	.12994	7.6163	10.766	.77080	.19112
#1	388.16	.02478	.06997	.09397	4.0315
#2	388.67	.02200	.06884	.09528	4.0451
#3	389.17	.02546	.08317	.09406	4.0447
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00840	75.090	.01789	.30747	.78317
Stddev	.00008	.604	.00063	.00042	.00272
%RSD	.91255	.80493	3.5202	.13552	.34794
#1	.00838	74.418	.01849	.30706	.78008
#2	.00834	75.263	.01723	.30746	.78524
#3	.00849	75.588	.01796	.30790	.78418
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.6689	532.61	13.090	.09509	73.792
Stddev	.0095	.52	.098	.00118	.591
%RSD	.56840	.09849	.74871	1.2457	.80096
#1	1.6795	532.64	13.195	.09638	73.141
#2	1.6612	532.07	13.076	.09485	73.941
#3	1.6660	533.12	13.000	.09405	74.294
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	10.216	.00584	3.0095	.43225	1.5124
Stddev	.031	.00156	.0324	.00105	.0098
%RSD	.30084	26.708	1.0782	.24287	.64878
#1	10.181	.00627	3.0426	.43113	1.5225
#2	10.232	.00714	3.0082	.43241	1.5120
#3	10.236	.00411	2.9777	.43321	1.5029
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005
Sheri L. Blakeslee

Sample Name: L051020401 Run Time: 10/14/05 10:26

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.01469	L -.05818	4.5367	.03565	.63695
Stddev	.00295	.00282	.0112	.00280	.00803
%RSD	20.108	4.8475	.24652	7.8569	1.2599
#1	-.01250	-.05509	4.5249	.03544	.63309
#2	-.01353	-.05883	4.5471	.03295	.63158
#3	-.01805	-.06062	4.5380	.03854	.64617
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	12.008	-.00242	1.4080	1.9285
Stddev	.055	.00561	.0070	.0053
%RSD	.45770	232.01	.49614	.27296
#1	11.950	.00053	1.4003	1.9228
#2	12.014	-.00888	1.4098	1.9332
#3	12.060	.00111	1.4140	1.9294
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051020401SDL 0.2 Operator: SLP
Comment: WG198639-02
Run Time: 10/14/05 10:32 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	84.218	.00661	.01431	.01996	.81932
Stddev	.347	.00381	.00291	.00102	.00085
%RSD	.41198	57.643	20.372	5.1300	.10386
#1	83.832	.01001	.01320	.02085	.81914
#2	84.318	.00249	.01761	.02019	.81858
#3	84.504	.00731	.01211	.01884	.82025
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00174	15.509	.00336	.06901	.17197
Stddev	.00008	.043	.00050	.00077	.00077
%RSD	4.3362	.27904	14.744	1.1217	.44850
#1	.00178	15.475	.00296	.06813	.17271
#2	.00165	15.494	.00392	.06930	.17204
#3	.00179	15.558	.00321	.06959	.17117
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.33755	119.76	2.9352	.02092	14.962
Stddev	.00084	.30	.0096	.00017	.083
%RSD	.24961	.24989	.32781	.82286	.55320
#1	.33685	119.44	2.9251	.02087	15.027
#2	.33730	119.81	2.9442	.02112	14.869
#3	.33848	120.03	2.9364	.02079	14.991
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	2.4333	-.00178	.65427	.09728	.35211
Stddev	.0078	.00052	.00470	.00065	.00554
%RSD	.32005	29.416	.71816	.66568	1.5722
#1	2.4387	-.00161	.65249	.09719	.35758
#2	2.4368	-.00136	.65959	.09797	.34651
#3	2.4244	-.00237	.65072	.09669	.35223
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005

Sample Name: L051020401SDL 0.2 Run Time: 10/14/05 10:32

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00859	L -.02621	1.0493	.00811	.15401
Stddev	.00209	.00537	.0071	.00407	.00454
%RSD	24.361	20.493	.67706	50.206	2.9497
#1	-.00972	-.03226	1.0561	.01246	.15852
#2	-.00618	-.02436	1.0499	.00749	.14944
#3	-.00989	-.02201	1.0419	.00439	.15407
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	2.5003	-.00325	.28915	.41135
Stddev	.0133	.01451	.00245	.00191
%RSD	.53046	446.30	.84601	.46411
#1	2.4891	.00685	.29197	.41272
#2	2.4970	-.01987	.28773	.41215
#3	2.5150	.00328	.28774	.40917
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051020401SDL 0.04 Operator: SLP
Comment: WG198639-02
Run Time: 10/14/05 10:38 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	17.052	-.00032	-.00146	.00216	.16247
Stddev	.038	.00074	.00550	.00067	.00033
%RSD	.22401	229.76	375.67	31.052	.20253
#1	17.082	.00038	-.00146	.00253	.16276
#2	17.065	-.00110	.00403	.00138	.16254
#3	17.009	-.00025	-.00697	.00255	.16211
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00040	3.1093	.00059	.01507	.03462
Stddev	.00002	.0157	.00013	.00056	.00022
%RSD	5.9375	.50360	21.714	3.7382	.63120
#1	.00041	3.0986	.00044	.01459	.03471
#2	.00037	3.1020	.00067	.01569	.03478
#3	.00041	3.1273	.00066	.01493	.03437
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.06862	24.811	.56892	.00396	2.8822
Stddev	.00076	.149	.00673	.00018	.0804
%RSD	1.1110	.60144	1.1837	4.5931	2.7912
#1	.06918	24.651	.56298	.00416	2.8362
#2	.06775	24.836	.57623	.00392	2.8352
#3	.06893	24.947	.56754	.00381	2.9750
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.50584	-.00034	.11440	.01841	.07656
Stddev	.00058	.00120	.00174	.00048	.00193
%RSD	.11395	350.99	1.5239	2.6197	2.5235
#1	.50527	.00088	.11565	.01798	.07464
#2	.50581	-.00152	.11515	.01893	.07655
#3	.50642	-.00038	.11241	.01833	.07850
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005
Sheri L. Blakgard

Sample Name: L051020401SDL 0.04 Run Time: 10/14/05 10:38

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00332	-.00080	.21497	-.00079	.03678
Stddev	.00600	.00282	.00358	.00498	.00161
%RSD	180.93	350.05	1.6667	629.78	4.3737
#1	.00359	-.00124	.21819	-.00555	.03835
#2	-.00728	-.00338	.21562	-.00121	.03513
#3	-.00627	.00220	.21111	.00438	.03686
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.49428	.00708	.05413	.08545
Stddev	.00197	.00948	.00133	.00024
%RSD	.39773	133.99	2.4645	.28465
#1	.49208	.00120	.05567	.08568
#2	.49489	.00202	.05336	.08547
#3	.49587	.01801	.05337	.08520
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051020401PS 0.9 Operator: SLP
Comment: WG198639-01
Run Time: 10/14/05 10:44 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	358.65	.21984	.25944	4.6649	4.1366
Stddev	1.48	.00253	.01497	.0184	.0208
%RSD	.41197	1.1508	5.7716	.39459	.50343
#1	357.01	.21711	.26124	4.6437	4.1126
#2	359.87	.22210	.27344	4.6749	4.1492
#3	359.09	.22032	.24365	4.6762	4.1481
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.03169	72.757	.04116	.37528	.94050
Stddev	.00025	.549	.00055	.00229	.00945
%RSD	.78205	.75524	1.3267	.60987	1.0052
#1	.03142	72.123	.04087	.37268	.93141
#2	.03175	73.057	.04082	.37617	.95028
#3	.03191	73.092	.04179	.37699	.93982
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.7762	490.20	35.488	.56039	70.238
Stddev	.0041	2.52	.126	.00311	.779
%RSD	.22924	.51445	.35462	.55512	1.1087
#1	1.7783	487.51	35.400	.55988	69.350
#2	1.7788	492.51	35.632	.56372	70.558
#3	1.7715	490.57	35.433	.55756	70.806
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	9.4709	.48951	26.753	.62414	1.6237
Stddev	.0517	.00109	.193	.00413	.0128
%RSD	.54562	.22309	.72122	.66125	.78962
#1	9.4129	.48933	26.585	.61949	1.6137
#2	9.5121	.48853	26.964	.62735	1.6382
#3	9.4875	.49069	26.710	.62558	1.6193
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005

Sample Name: L051020401PS 0.9 Run Time: 10/14/05 10:44

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.57755	.19598	6.2760	.03896	1.0302
Stddev	.00531	.00382	.0278	.00622	.0071
%RSD	.91861	1.9488	.44240	15.969	.68825
#1	.58010	.19729	6.2440	.04538	1.0239
#2	.58111	.19168	6.2933	.03295	1.0379
#3	.57146	.19898	6.2908	.03854	1.0287
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	11.404	.21038	1.7217	2.1953
Stddev	.074	.01219	.0134	.0138
%RSD	.65313	5.7961	.77544	.63019
#1	11.319	.20124	1.7063	2.1801
#2	11.438	.22423	1.7292	2.2071
#3	11.455	.20567	1.7296	2.1989
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051020402 Operator: SLP
Comment: WG198562-01
Run Time: 10/14/05 10:50 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	368.56	.02263	.06377	.08890	3.5534
Stddev	1.79	.00127	.01503	.00083	.0113
%RSD	.48700	5.6243	23.566	.93624	.31745
#1	366.95	.02239	.05018	.08794	3.5442
#2	368.24	.02150	.07991	.08930	3.5500
#3	370.49	.02401	.06121	.08945	3.5660
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00766	80.961	.01648	.32878	.75302
Stddev	.00005	.079	.00044	.00238	.00303
%RSD	.59054	.09743	2.6421	.72341	.40180
#1	.00771	81.043	.01693	.32609	.75003
#2	.00762	80.885	.01646	.32962	.75293
#3	.00765	80.956	.01606	.33062	.75608
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.5199	520.67	14.378	.09014	74.131
Stddev	.0094	2.24	.268	.00142	.102
%RSD	.62067	.43002	1.8664	1.5744	.13739
#1	1.5129	518.71	14.121	.08882	74.123
#2	1.5163	520.20	14.358	.08997	74.034
#3	1.5307	523.11	14.656	.09164	74.237
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	10.468	.00196	2.6936	.39601	1.6137
Stddev	.038	.00043	.0382	.00049	.0126
%RSD	.36060	22.064	1.4180	.12392	.77962
#1	10.430	.00155	2.6629	.39621	1.6109
#2	10.469	.00192	2.6816	.39545	1.6027
#3	10.506	.00241	2.7364	.39637	1.6274
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005

Sample Name: L051020402 Run Time: 10/14/05 10:50

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.01627	L -.03876	4.9325	.03420	.59526
Stddev	.01036	.00742	.0173	.00378	.00333
%RSD	63.679	19.147	.35071	11.048	.55957
#1	-.00694	-.03777	4.9206	.03854	.59148
#2	-.01445	-.03189	4.9523	.03233	.59652
#3	-.02742	-.04663	4.9245	.03171	.59777
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	12.689	.00891	1.3920	1.9479
Stddev	.013	.00418	.0041	.0065
%RSD	.10347	46.951	.29543	.33561
#1	12.682	.00657	1.3915	1.9412
#2	12.681	.00642	1.3882	1.9483
#3	12.704	.01374	1.3964	1.9542
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051020402S Operator: SLP
Comment: WG198562-04
Run Time: 10/14/05 10:56 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	563.60	.22176	.24880	4.3577	4.0822
Stddev	.89	.00198	.00898	.0127	.0078
%RSD	.15842	.89298	3.6110	.29121	.19140
#1	562.57	.22326	.25269	4.3437	4.0732
#2	564.17	.21951	.23853	4.3685	4.0863
#3	564.07	.22250	.25519	4.3610	4.0871
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.03215	102.75	.04111	.41596	1.1215
Stddev	.00010	.24	.00013	.00530	.0043
%RSD	.30168	.23485	.31895	1.2737	.38409
#1	.03210	102.53	.04103	.41010	1.1165
#2	.03209	102.73	.04105	.41736	1.1241
#3	.03226	103.01	.04127	.42041	1.1239
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	2.0708	580.24	37.164	.57391	83.628
Stddev	.0067	5.72	.368	.00648	.252
%RSD	.32465	.98643	.98938	1.1287	.30091
#1	2.0636	574.15	37.450	.57909	83.772
#2	2.0769	581.08	37.293	.57599	83.775
#3	2.0719	585.50	36.750	.56665	83.338
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	10.686	.43227	26.122	.70359	1.6492
Stddev	.059	.00279	.268	.00630	.0227
%RSD	.54968	.64656	1.0248	.89517	1.3767
#1	10.621	.42929	26.314	.69865	1.6247
#2	10.704	.43483	26.235	.70144	1.6535
#3	10.734	.43269	25.816	.71069	1.6695
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005

Sample Name: L051020402S Run Time: 10/14/05 10:56

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.31596	.13552	5.9585	.49256	1.1322
Stddev	.00329	.00315	.0434	.00621	.0299
%RSD	1.0412	2.3210	.72767	1.2604	2.6418
#1	.31719	.13667	5.9910	.48635	1.1007
#2	.31223	.13196	5.9752	.49255	1.1357
#3	.31845	.13792	5.9093	.49876	1.1602
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	16.799	.20379	2.0692	2.6283
Stddev	.065	.00747	.0041	.0050
%RSD	.38951	3.6659	.19882	.18925
#1	16.742	.20229	2.0715	2.6235
#2	16.785	.21190	2.0644	2.6334
#3	16.871	.19719	2.0717	2.6280
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051020402SD Operator: SLP
Comment: WG198562-05
Run Time: 10/14/05 11:02 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	519.46	.22273	.24773	4.3736	4.0462
Stddev	2.95	.00263	.00449	.0086	.0040
%RSD	.56755	1.1792	1.8112	.19652	.09805
#1	521.22	.22287	.24501	4.3666	4.0508
#2	521.10	.22529	.25290	4.3710	4.0447
#3	516.05	.22004	.24526	4.3832	4.0433
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.03196	102.01	.04034	.42889	1.2404
Stddev	.00014	.39	.00056	.00275	.0081
%RSD	.45163	.37852	1.3887	.64058	.65547
#1	.03179	101.64	.04019	.42572	1.2317
#2	.03206	101.99	.03987	.43040	1.2418
#3	.03203	102.41	.04096	.43055	1.2478
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.6073	588.32	35.776	.57402	79.524
Stddev	.0099	3.39	.530	.01101	.644
%RSD	.61689	.57649	1.4821	1.9185	.80957
#1	1.6156	584.43	35.956	.57616	78.782
#2	1.6100	590.61	36.192	.58381	79.868
#3	1.5963	589.93	35.179	.56210	79.923
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	10.132	.44567	26.111	.67046	2.4551
Stddev	.060	.00344	.440	.00423	.0152
%RSD	.59561	.77148	1.6847	.63135	.61864
#1	10.063	.44173	26.167	.66591	2.4376
#2	10.157	.44720	26.519	.67118	2.4635
#3	10.176	.44807	25.645	.67428	2.4643
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005

Sample Name: L051020402SD Run Time: 10/14/05 11:02

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.34997	.17418	5.4817	.50185	1.1841
Stddev	.00787	.02526	.0304	.00375	.0133
%RSD	2.2485	14.500	.55390	.74755	1.1231
#1	.35805	.17652	5.4619	.49809	1.1688
#2	.34954	.19819	5.4666	.50187	1.1920
#3	.34232	.14784	5.5167	.50559	1.1916
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	16.145	.22048	2.0062	2.6436
Stddev	.010	.00934	.0169	.0101
%RSD	.06097	4.2373	.84038	.38406
#1	16.135	.20971	1.9874	2.6330
#2	16.146	.22532	2.0112	2.6445
#3	16.155	.22642	2.0199	2.6532
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051020902 Operator: SLP
Comment:
Run Time: 10/14/05 11:08 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	162.52	.00852	.12844	.26516	.99055
Stddev	.63	.00246	.00446	.00156	.00258
%RSD	.38492	28.870	3.4749	.58739	.26006
#1	161.94	.01125	.13360	.26688	.98862
#2	163.18	.00784	.12586	.26384	.99348
#3	162.42	.00647	.12587	.26478	.98956
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00653	H 1455.3	.01032	.06863	.25241
Stddev	.00006	2.8	.00050	.00089	.00079
%RSD	.86685	.18919	4.8837	1.3039	.31148
#1	.00646	1452.2	.01075	.06811	.25160
#2	.00657	1457.4	.00976	.06966	.25246
#3	.00655	1456.2	.01044	.06811	.25317
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.23862	222.51	12.067	.20844	877.53
Stddev	.00341	.36	.095	.00134	3.37
%RSD	1.4290	.16263	.78422	.64418	.38413
#1	.23916	222.93	11.975	.20689	873.64
#2	.24173	222.34	12.164	.20924	879.35
#3	.23497	222.27	12.062	.20918	879.61
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	5.1674	.01250	2.4420	.52008	.43942
Stddev	.0037	.00115	.0141	.00166	.00544
%RSD	.07246	9.1921	.57666	.31966	1.2375
#1	5.1708	.01232	2.4274	.52162	.44199
#2	5.1634	.01144	2.4555	.51832	.43317
#3	5.1681	.01372	2.4430	.52032	.44309
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005

Sample Name: L051020902 Run Time: 10/14/05 11:08

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00705	L -.02782	5.0568	.02633	.70093
Stddev	.00396	.01909	.0049	.00095	.00668
%RSD	56.190	68.609	.09757	3.6044	.95355
#1	-.01160	-.02474	5.0602	.02612	.70351
#2	-.00435	-.01046	5.0511	.02550	.69334
#3	-.00521	-.04825	5.0590	.02736	.70595
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	2.0519	L -.04320	.33216	1.1698
Stddev	.0026	.01519	.00198	.0009
%RSD	.12673	35.150	.59515	.07740
#1	2.0497	-.05895	.33029	1.1708
#2	2.0548	-.04202	.33196	1.1689
#3	2.0511	-.02865	.33422	1.1698
Check ?	LC Pass	LC Fail	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: CCV Operator:
Comment:
Run Time: 10/14/05 11:14 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	10.318	.40124	.40252	9.5454	1.0574
Stddev	.103	.00141	.00834	.0198	.0041
%RSD	1.0019	.35068	2.0729	.20769	.39185
#1	10.335	.39962	.39297	9.5629	1.0527
#2	10.207	.40218	.40618	9.5493	1.0589
#3	10.412	.40191	.40840	9.5239	1.0606
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	.40000	.40000	10.000	1.0000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04961	9.8609	.05010	.19956	.49583
Stddev	.00027	.1106	.00063	.00047	.00082
%RSD	.54986	1.1212	1.2489	.23401	.16617
#1	.04960	9.8632	.04949	.19917	.49640
#2	.04989	9.9703	.05007	.20008	.49620
#3	.04935	9.7492	.05074	.19944	.49488
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.05000	10.000	.05000	.20000	.50000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.51172	4.0140	52.576	1.0446	9.7942
Stddev	.00432	.0015	1.369	.0382	.2084
%RSD	.84390	.03634	2.6049	3.6520	2.1274
#1	.51009	4.0123	51.906	1.0302	9.6817
#2	.50846	4.0149	51.670	1.0157	10.035
#3	.51662	4.0147	54.151	1.0878	9.6663
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	4.0000	50.000	1.0000	10.000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.49873	1.0216	52.957	.50727	.51081
Stddev	.00030	.0023	1.443	.00296	.00166
%RSD	.06111	.22855	2.7255	.58318	.32450
#1	.49906	1.0192	52.382	.50966	.51208
#2	.49847	1.0239	51.890	.50818	.50893
#3	.49865	1.0216	54.599	.50396	.51142
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	1.0000	50.000	.50000	.50000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Approved: October 17, 2005
Sheri L. Blakeslee

Sample Name: CCV Run Time: 10/14/05 11:14

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.2004	.40400	Q -.00015	1.0391	.98551
Stddev	.0066	.01452	.00202	.0027	.00288
%RSD	.54615	3.5940	1386.2	.26162	.29216
#1	1.1932	.38734	.00083	1.0410	.98236
#2	1.2022	.41396	.00120	1.0360	.98800
#3	1.2059	.41071	-.00246	1.0404	.98619
Check ?	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	1.2000	.40000	5.0000	1.0000	1.0000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.98646	.50096	1.0039	.99682
Stddev	.00492	.00412	.0002	.00202
%RSD	.49910	.82153	.01709	.20233
#1	.98741	.49859	1.0040	.99851
#2	.99084	.50572	1.0040	.99737
#3	.98113	.49858	1.0037	.99459
Check ?	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.50000	1.0000	1.0000
Range	10.000%	10.000%	10.000%	10.000%

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: CCB Operator:
Comment:
Run Time: 10/14/05 11:20 Type: Blank Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.02927	L -.00597	-.00001	.01120	.00003
Stddev	.04146	.00054	.00663	.00842	.00027
%RSD	141.64	9.1168	44552.	75.175	771.84
#1	.01691	-.00565	-.00073	.00201	.00024
#2	-.04144	-.00660	.00695	.01304	.00013
#3	-.06329	-.00567	-.00626	.01855	-.00027
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	.20000	.00500	.01000	.05000	.00250
Low Limit	-.20000	-.00500	-.01000	-.05000	-.00250

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00005	.00835	.00091	-.00112	-.00051
Stddev	.00003	.01017	.00087	.00095	.00050
%RSD	71.463	121.84	96.149	85.181	98.521
#1	.00002	.01129	.00057	-.00202	-.00109
#2	.00004	.01673	.00025	-.00012	-.00017
#3	.00008	-.00297	.00189	-.00122	-.00028
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00025	.05000	.00100	.00250	.00250
Low Limit	-.00025	-.05000	-.00100	-.00250	-.00250

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00138	.00874	.12545	-.00053	-.05244
Stddev	.00139	.00536	.13431	.00016	.05028
%RSD	100.64	61.264	107.06	30.679	95.865
#1	-.00278	.00258	.27267	-.00036	-.11050
#2	.00001	.01136	.09408	-.00068	-.02306
#3	-.00138	.01229	.00960	-.00054	-.02378
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.01000	.02000	.25000	.05000	.10000
Low Limit	-.01000	-.02000	-.25000	-.05000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00015	-.00163	-.00486	-.00432	H .01408
Stddev	.00005	.00197	.02111	.00079	.00352
%RSD	34.511	120.83	434.26	18.334	25.001
#1	.00009	.00027	.01850	-.00346	.01429
#2	.00016	-.00365	-.01052	-.00502	.01750
#3	.00018	-.00150	-.02256	-.00450	.01047
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Fail
High Limit	.00250	.05000	.10000	.01000	.01000
Low Limit	-.00250	-.05000	-.10000	-.01000	-.01000

Approved: October 17, 2005
Sheri L. Blakgard

Sample Name: CCB Run Time: 10/14/05 11:20

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00007	L -.01026	-.03763	-.00245	H .00544
Stddev	.00927	.01287	.00111	.00569	.00219
%RSD	13522.	125.46	2.9567	232.62	40.326
#1	.01018	-.02506	-.03647	-.00742	.00782
#2	-.00787	-.00395	-.03869	.00376	.00350
#3	-.00252	-.00176	-.03774	-.00369	.00499
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Fail
High Limit	.02000	.01000	.25000	.20000	.00500
Low Limit	-.02000	-.01000	-.25000	-.20000	-.00500

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.00035	-.00267	L -.02080	.00114
Stddev	.00015	.00587	.00210	.00043
%RSD	42.449	219.83	10.079	38.104
#1	.00030	-.00943	-.01928	.00067
#2	.00051	.00111	-.02319	.00121
#3	.00023	.00031	-.01993	.00153
Check ?	LC Pass	LC Pass	LC Fail	LC Pass
High Limit	.01500	.02000	.00728	.01000
Low Limit	-.01500	-.02000	-.00728	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051020903 Operator: SLP
Comment:
Run Time: 10/14/05 11:26 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	228.73	.01281	.13097	.16137	1.2865
Stddev	1.43	.00107	.00165	.00134	.0056
%RSD	.62305	8.3533	1.2626	.83267	.43899
#1	228.55	.01360	.13056	.16092	1.2835
#2	230.24	.01325	.13279	.16288	1.2930
#3	227.40	.01159	.12956	.16031	1.2830
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01123	594.24	.07152	.14098	.37679
Stddev	.00005	1.99	.00079	.00074	.00383
%RSD	.45235	.33568	1.1042	.52550	1.0169
#1	.01123	592.69	.07079	.14014	.37245
#2	.01128	596.49	.07236	.14126	.37822
#3	.01118	593.53	.07141	.14155	.37970
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.87502	312.79	13.682	.22178	176.88
Stddev	.00972	1.42	.157	.00284	.53
%RSD	1.1111	.45301	1.1450	1.2820	.29912
#1	.87587	311.16	13.665	.22144	176.33
#2	.88430	313.50	13.847	.22478	176.91
#3	.86491	313.70	13.535	.21913	177.39
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	3.2968	.00718	1.1284	6.1645	.63837
Stddev	.0230	.00136	.0164	.0448	.00569
%RSD	.69660	18.926	1.4575	.72745	.89158
#1	3.2712	.00754	1.1241	6.1138	.64231
#2	3.3039	.00832	1.1465	6.1809	.64095
#3	3.3155	.00567	1.1144	6.1989	.63184
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005
Sheri L. Pokorny

Sample Name: L051020903 Run Time: 10/14/05 11:26

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.03255	L -.04928	5.4598	.03668	.84131
Stddev	.00194	.01135	.0337	.00108	.01128
%RSD	5.9719	23.025	.61721	2.9337	1.3410
#1	.03406	-.04693	5.4263	.03730	.83006
#2	.03036	-.06161	5.4592	.03544	.84123
#3	.03324	-.03929	5.4937	.03730	.85263
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	2.0544	-.02965	.47920	6.5486
Stddev	.0052	.01442	.00242	.0542
%RSD	.25124	48.626	.50400	.82724
#1	2.0491	-.02217	.48177	6.4951
#2	2.0594	-.04628	.47698	6.5473
#3	2.0547	-.02051	.47884	6.6034
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051020904 Operator: SLP
Comment:
Run Time: 10/14/05 11:32 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	203.61	.01424	.10245	.15316	1.0932
Stddev	1.26	.00108	.00856	.00056	.0057
%RSD	.62064	7.5891	8.3511	.36690	.52558
#1	202.21	.01507	.10502	.15314	1.0866
#2	203.97	.01464	.09291	.15261	1.0957
#3	204.66	.01302	.10943	.15373	1.0973
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00892	208.41	.06914	.14958	.39197
Stddev	.00014	1.86	.00044	.00066	.00061
%RSD	1.5406	.89207	.63550	.44228	.15511
#1	.00876	206.35	.06965	.14896	.39134
#2	.00900	209.97	.06884	.14948	.39201
#3	.00899	208.91	.06894	.15028	.39256
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.1921	286.87	12.333	.17675	103.77
Stddev	.0053	1.27	.060	.00090	.79
%RSD	.44893	.44438	.48873	.50788	.76139
#1	1.1868	285.46	12.274	.17621	102.87
#2	1.1921	287.18	12.332	.17625	104.32
#3	1.1975	287.95	12.394	.17778	104.13
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.9722	.00589	1.1441	12.221	.69386
Stddev	.0059	.00072	.0072	.038	.00783
%RSD	.29988	12.201	.62913	.31259	1.1287
#1	1.9654	.00602	1.1373	12.177	.68505
#2	1.9756	.00512	1.1435	12.238	.69647
#3	1.9757	.00654	1.1516	12.247	.70005
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005

Sample Name: L051020904 Run Time: 10/14/05 11:32

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04321	L -.04372	5.3118	.03647	.34423
Stddev	.00837	.01759	.0178	.00259	.00919
%RSD	19.375	40.234	.33539	7.0894	2.6697
#1	.05287	-.05377	5.3205	.03358	.33463
#2	.03841	-.02341	5.3237	.03854	.35295
#3	.03834	-.05400	5.2914	.03730	.34511
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	1.8530	-.02556	.41389	7.5618
Stddev	.0137	.00639	.00445	.0069
%RSD	.74047	25.013	1.0750	.09177
#1	1.8375	-.02393	.40892	7.5605
#2	1.8634	-.03260	.41526	7.5693
#3	1.8583	-.02013	.41750	7.5556
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051020905 Operator: SLP
Comment:
Run Time: 10/14/05 11:38 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	293.57	.01634	.19758	.14469	1.7872
Stddev	.83	.00225	.00334	.00282	.0024
%RSD	.28182	13.765	1.6908	1.9482	.13379
#1	292.72	.01843	.20046	.14690	1.7858
#2	293.61	.01663	.19392	.14565	1.7900
#3	294.37	.01396	.19835	.14151	1.7859
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01356	313.15	.06328	.17381	.63075
Stddev	.00009	2.13	.00070	.00063	.00170
%RSD	.64756	.67981	1.0998	.36431	.26987
#1	.01352	312.86	.06324	.17314	.63175
#2	.01366	315.41	.06261	.17440	.63171
#3	.01350	311.18	.06400	.17389	.62878
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.1861	341.59	16.954	.26167	166.57
Stddev	.0095	1.71	.165	.00302	1.93
%RSD	.79685	.49930	.97465	1.1534	1.1616
#1	1.1792	339.76	17.116	.26340	167.50
#2	1.1822	341.87	16.785	.25818	167.86
#3	1.1969	343.14	16.961	.26342	164.34
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	5.9337	.01109	1.3056	8.3075	1.9606
Stddev	.0057	.00085	.0123	.0119	.0167
%RSD	.09684	7.7023	.94394	.14367	.85054
#1	5.9367	.01089	1.3163	8.2985	1.9490
#2	5.9373	.01202	1.2921	8.3210	1.9531
#3	5.9271	.01035	1.3083	8.3029	1.9797
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005

Sample Name: L051020905 Run Time: 10/14/05 11:38

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01008	L -.02802	5.7611	.03917	.42900
Stddev	.00493	.01192	.0376	.00062	.00552
%RSD	48.922	42.537	.65312	1.5849	1.2858
#1	.00442	-.02262	5.7860	.03916	.42291
#2	.01345	-.01975	5.7795	.03979	.43365
#3	.01237	-.04168	5.7178	.03854	.43046
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	1.9275	-.02312	.53486	3.9881
Stddev	.0082	.00663	.00637	.0289
%RSD	.42646	28.686	1.1911	.72525
#1	1.9233	-.01560	.54082	4.0042
#2	1.9370	-.02811	.53561	4.0054
#3	1.9223	-.02567	.52815	3.9547
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051020906 Operator: SLP
Comment:
Run Time: 10/14/05 11:44 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	312.91	.01785	.19748	.12967	1.8899
Stddev	.68	.00254	.00997	.00176	.0047
%RSD	.21621	14.207	5.0483	1.3544	.24690
#1	312.20	.01635	.20151	.13047	1.8851
#2	313.54	.01643	.20480	.13088	1.8944
#3	313.01	.02078	.18612	.12766	1.8903
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01378	384.22	.06759	.19801	.68019
Stddev	.00004	2.19	.00100	.00103	.00258
%RSD	.27323	.56935	1.4812	.51814	.37936
#1	.01373	381.75	.06809	.19683	.67917
#2	.01379	385.90	.06644	.19873	.68313
#3	.01380	385.02	.06825	.19846	.67828
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.4689	350.78	16.296	.27380	176.37
Stddev	.0039	1.52	.133	.00166	1.03
%RSD	.26288	.43236	.81884	.60461	.58601
#1	1.4648	349.09	16.445	.27567	175.53
#2	1.4725	351.27	16.255	.27317	177.53
#3	1.4692	352.00	16.188	.27255	176.07
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	7.4911	.00965	1.6227	10.364	1.9277
Stddev	.0169	.00183	.0137	.023	.0109
%RSD	.22618	19.001	.84215	.22667	.56710
#1	7.4750	.00930	1.6371	10.338	1.9151
#2	7.5088	.00802	1.6210	10.384	1.9332
#3	7.4895	.01164	1.6100	10.371	1.9347
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005

Sample Name: L051020906 Run Time: 10/14/05 11:44

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01676	L -.02408	5.3594	.03813	.54269
Stddev	.00274	.01862	.0434	.00218	.00868
%RSD	16.368	77.310	.80914	5.7086	1.5989
#1	.01680	-.03923	5.3929	.03607	.53407
#2	.01399	-.02971	5.3748	.03792	.55142
#3	.01947	-.00330	5.3104	.04041	.54258
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	1.6951	-.02427	.56106	4.3514
Stddev	.0077	.00667	.00183	.0195
%RSD	.45647	27.491	.32558	.44794
#1	1.6869	-.01959	.55917	4.3609
#2	1.7023	-.02131	.56120	4.3643
#3	1.6960	-.03190	.56282	4.3289
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051020907 Operator: SLP
Comment:
Run Time: 10/14/05 11:50 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	268.83	.02815	.49406	.14367	6.2798
Stddev	.39	.00150	.00414	.00244	.0104
%RSD	.14511	5.3315	.83726	1.6950	.16595
#1	268.52	.02844	.49695	.14173	6.2718
#2	268.71	.02652	.49591	.14286	6.2761
#3	269.27	.02948	.48933	.14640	6.2916
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.02575	418.00	.11816	.75612	1.1699
Stddev	.00007	3.11	.00151	.00216	.0040
%RSD	.28492	.74503	1.2810	.28513	.34200
#1	.02567	415.63	.11982	.75388	1.1653
#2	.02576	416.85	.11686	.75818	1.1718
#3	.02582	421.53	.11780	.75629	1.1726
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.78601	672.78	14.631	.21470	217.23
Stddev	.00307	1.72	.164	.00204	.73
%RSD	.39075	.25628	1.1205	.95055	.33522
#1	.78647	670.80	14.816	.21670	216.41
#2	.78273	673.62	14.573	.21477	217.45
#3	.78882	673.92	14.504	.21262	217.82
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	H 48.243	.04339	1.1289	3.6189	6.2302
Stddev	.813	.00218	.0125	.0082	.0043
%RSD	1.6850	5.0325	1.1069	.22692	.06849
#1	47.845	.04429	1.1402	3.6095	6.2343
#2	49.178	.04499	1.1310	3.6248	6.2304
#3	47.706	.04090	1.1155	3.6224	6.2258
Check ?	LC Fail	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005

Sample Name: L051020907 Run Time: 10/14/05 11:50

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01966	L -.09766	4.7198	.05117	.51782
Stddev	.00545	.01207	.0204	.00342	.00223
%RSD	27.742	12.359	.43320	6.6849	.43039
#1	.02537	-.08716	4.7006	.04724	.51564
#2	.01450	-.11084	4.7175	.05345	.52010
#3	.01912	-.09497	4.7413	.05283	.51773
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	1.5607	L -.05360	.80613	15.910
Stddev	.0066	.01080	.00248	.088
%RSD	.42091	20.148	.30812	.55471
#1	1.5560	-.06444	.80326	15.819
#2	1.5580	-.05352	.80754	15.916
#3	1.5682	-.04284	.80758	15.995
Check ?	LC Pass	LC Fail	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051020908 Operator: SLP
Comment:
Run Time: 10/14/05 11:56 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	377.22	.01876	.16348	.11799	2.3131
Stddev	2.13	.00091	.00503	.00166	.0109
%RSD	.56537	4.8732	3.0744	1.4066	.47046
#1	374.77	.01882	.16237	.11991	2.3006
#2	378.68	.01963	.16897	.11713	2.3198
#3	378.20	.01781	.15910	.11694	2.3190
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01699	211.73	.01320	.14118	.44574
Stddev	.00015	1.48	.00051	.00065	.00081
%RSD	.90937	.69701	3.8857	.45848	.18190
#1	.01683	210.09	.01316	.14050	.44641
#2	.01713	212.96	.01373	.14179	.44484
#3	.01702	212.13	.01270	.14126	.44598
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.35554	409.29	18.458	.28869	125.04
Stddev	.00166	1.41	.046	.00009	.92
%RSD	.46670	.34566	.24796	.02983	.73185
#1	.35374	408.03	18.416	.28876	123.99
#2	.35587	409.03	18.507	.28859	125.67
#3	.35701	410.82	18.452	.28870	125.46
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	5.6509	.01551	1.5624	.44176	.85317
Stddev	.0072	.00026	.0080	.00043	.00790
%RSD	.12677	1.6979	.51144	.09696	.92565
#1	5.6430	.01522	1.5544	.44211	.84830
#2	5.6529	.01572	1.5704	.44128	.84893
#3	5.6570	.01560	1.5625	.44190	.86229
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005

Sample Name: L051020908 Run Time: 10/14/05 11:56

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00171	-.00390	5.5664	.03834	.44881
Stddev	.00632	.02428	.0087	.00306	.00670
%RSD	369.96	621.71	.15602	7.9766	1.4929
#1	-.00434	-.03054	5.5628	.03979	.45070
#2	-.00628	.00185	5.5762	.03483	.44137
#3	.00550	.01698	5.5600	.04041	.45437
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	2.1463	-.02775	.64981	1.6627
Stddev	.0117	.00885	.00535	.0028
%RSD	.54453	31.876	.82399	.17012
#1	2.1329	-.03056	.64505	1.6615
#2	2.1513	-.01784	.65561	1.6659
#3	2.1546	-.03486	.64877	1.6606
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051020909 Operator: SLP
Comment:
Run Time: 10/14/05 12:02 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	379.38	.01815	.21441	.12642	2.3756
Stddev	2.08	.00038	.00356	.00151	.0109
%RSD	.54697	2.0709	1.6589	1.1943	.46106
#1	379.34	.01831	.21035	.12468	2.3706
#2	381.47	.01842	.21696	.12713	2.3882
#3	377.32	.01772	.21593	.12744	2.3681
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.02537	149.92	.02884	.15294	.43545
Stddev	.00012	.47	.00014	.00085	.00224
%RSD	.46767	.31386	.47242	.55900	.51422
#1	.02529	149.40	.02899	.15237	.43333
#2	.02531	150.30	.02873	.15252	.43523
#3	.02551	150.08	.02879	.15392	.43779
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.36083	433.44	17.301	.26078	98.557
Stddev	.00267	.53	.200	.00307	.805
%RSD	.74086	.12247	1.1542	1.1765	.81660
#1	.36089	432.85	17.409	.26208	97.646
#2	.36347	433.61	17.424	.26299	98.853
#3	.35812	433.87	17.071	.25728	99.172
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	8.1835	.01562	1.1054	.50043	.71164
Stddev	.0294	.00241	.0148	.00264	.00905
%RSD	.35870	15.426	1.3350	.52656	1.2711
#1	8.1556	.01670	1.1108	.49849	.71400
#2	8.1807	.01731	1.1167	.49938	.70165
#3	8.2141	.01286	1.0887	.50343	.71927
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005

Sample Name: L051020909 Run Time: 10/14/05 12:02

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00714	-.00818	6.2057	.03958	.48072
Stddev	.00918	.01237	.0114	.00190	.00254
%RSD	128.48	151.21	.18390	4.7939	.52898
#1	-.01191	.00290	6.1998	.04165	.47981
#2	.00344	-.00592	6.1986	.03917	.48359
#3	-.01296	-.02153	6.2189	.03792	.47875
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	2.8885	-.02458	.64469	2.2610
Stddev	.0093	.00531	.00537	.0091
%RSD	.32090	21.580	.83305	.40322
#1	2.8808	-.03062	.63935	2.2518
#2	2.8988	-.02247	.64463	2.2610
#3	2.8860	-.02066	.65009	2.2701
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051021301 Operator: SLP
Comment:
Run Time: 10/14/05 12:08 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	152.49	.00385	.05399	.20667	2.5142
Stddev	.39	.00285	.00128	.00088	.0088
%RSD	.25696	74.063	2.3708	.42460	.34890
#1	152.06	.00622	.05251	.20566	2.5043
#2	152.82	.00464	.05473	.20713	2.5176
#3	152.59	.00069	.05473	.20723	2.5208
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00732	173.68	.00579	.10342	.21821
Stddev	.00006	.81	.00036	.00059	.00256
%RSD	.86311	.46630	6.2648	.57205	1.1713
#1	.00727	173.04	.00615	.10280	.21526
#2	.00729	174.59	.00581	.10397	.21966
#3	.00739	173.40	.00542	.10350	.21970
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.24319	154.95	49.285	.16700	49.754
Stddev	.00239	.53	.332	.00160	.380
%RSD	.98192	.34442	.67335	.95706	.76426
#1	.24106	154.34	49.002	.16544	49.404
#2	.24274	155.32	49.201	.16695	49.700
#3	.24577	155.20	49.650	.16863	50.159
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	3.5100	.00446	3.1357	.13329	1.6449
Stddev	.0169	.00152	.0289	.00046	.0150
%RSD	.48170	33.961	.92243	.34690	.91301
#1	3.4906	.00440	3.1048	.13311	1.6291
#2	3.5175	.00298	3.1401	.13382	1.6467
#3	3.5219	.00601	3.1621	.13295	1.6590
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005

Sample Name: L051021301 Run Time: 10/14/05 12:08

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00046	L -.02327	5.2545	.03337	.70014
Stddev	.00050	.00890	.0168	.00342	.00500
%RSD	108.45	38.227	.32054	10.251	.71422
#1	-.00103	-.03137	5.2402	.03109	.69468
#2	-.00024	-.02469	5.2501	.03171	.70125
#3	-.00011	-.01375	5.2730	.03730	.70449
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	5.0707	-.01648	.39828	2.0508
Stddev	.0171	.00773	.00447	.0107
%RSD	.33777	46.911	1.1229	.52141
#1	5.0520	-.01456	.39315	2.0388
#2	5.0856	-.00989	.40035	2.0545
#3	5.0747	-.02499	.40134	2.0593
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051021302 Operator: SLP
Comment:
Run Time: 10/14/05 12:14 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	100.63	.00459	.04549	.08813	1.7140
Stddev	.66	.00202	.00386	.00155	.0113
%RSD	.65654	44.012	8.4912	1.7595	.65957
#1	99.876	.00309	.04147	.08712	1.7016
#2	100.93	.00379	.04917	.08734	1.7165
#3	101.09	.00689	.04585	.08991	1.7238
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00560	88.543	.00407	.05433	.11177
Stddev	.00015	1.054	.00028	.00038	.00116
%RSD	2.6783	1.1900	6.8626	.70167	1.0349
#1	.00543	87.423	.00434	.05413	.11067
#2	.00567	88.692	.00378	.05409	.11166
#3	.00570	89.515	.00409	.05477	.11298
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.21076	117.23	29.743	.10000	28.733
Stddev	.00139	.24	.319	.00089	.544
%RSD	.66154	.20093	1.0739	.89457	1.8923
#1	.21016	116.98	29.377	.09901	28.253
#2	.20976	117.27	29.963	.10076	28.622
#3	.21235	117.44	29.889	.10023	29.323
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	2.4891	.00530	2.2174	.09925	1.8457
Stddev	.0159	.00084	.0289	.00070	.0042
%RSD	.64054	15.900	1.3017	.70400	.22960
#1	2.4752	.00491	2.1855	.09937	1.8483
#2	2.4856	.00626	2.2418	.09851	1.8479
#3	2.5065	.00472	2.2247	.09989	1.8408
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005

Sample Name: L051021302 Run Time: 10/14/05 12:14

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00600	L -.03136	4.8108	.04579	.56153
Stddev	.00740	.00586	.0369	.00190	.00256
%RSD	123.47	18.700	.76695	4.1448	.45669
#1	.00722	-.02484	4.7724	.04538	.55862
#2	.01271	-.03621	4.8139	.04786	.56345
#3	-.00194	-.03303	4.8460	.04413	.56254
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	2.9518	-.00758	.33408	1.9209
Stddev	.0275	.00282	.00464	.0149
%RSD	.93311	37.155	1.3902	.77348
#1	2.9218	-.01045	.32872	1.9050
#2	2.9577	-.00482	.33692	1.9233
#3	2.9759	-.00747	.33661	1.9345
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051021303 Operator: SLP
Comment:
Run Time: 10/14/05 12:20 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	163.62	.00368	.05428	.15433	3.6990
Stddev	.84	.00107	.00231	.00151	.0103
%RSD	.51494	29.097	4.2566	.97690	.27769
#1	162.67	.00245	.05169	.15574	3.6913
#2	163.95	.00440	.05503	.15274	3.6950
#3	164.26	.00418	.05613	.15451	3.7107
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00899	137.68	.00743	.08281	.17508
Stddev	.00007	.45	.00022	.00103	.00086
%RSD	.79958	.32707	2.9732	1.2426	.48919
#1	.00902	137.51	.00722	.08203	.17588
#2	.00891	137.34	.00741	.08242	.17518
#3	.00905	138.19	.00766	.08398	.17417
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.22318	171.87	43.474	.17095	42.358
Stddev	.00180	1.16	.257	.00161	.388
%RSD	.80799	.67330	.59046	.94442	.91612
#1	.22122	170.63	43.439	.17032	42.789
#2	.22355	172.06	43.747	.17279	42.247
#3	.22476	172.92	43.237	.16975	42.037
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	4.0819	.00476	1.4207	.10916	6.3118
Stddev	.0017	.00138	.0127	.00090	.0740
%RSD	.04126	28.913	.89463	.82817	1.1716
#1	4.0810	.00512	1.4207	.10816	6.2328
#2	4.0839	.00324	1.4334	.10991	6.3232
#3	4.0809	.00592	1.4080	.10941	6.3794
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005
Sheri L. Blakgard

Sample Name: L051021303 Run Time: 10/14/05 12:20

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00396	L -.03405	4.0108	.03647	.55976
Stddev	.00530	.00803	.0427	.00190	.01300
%RSD	133.85	23.572	1.0645	5.2024	2.3226
#1	-.00601	-.03058	4.0505	.03606	.54554
#2	.00206	-.04323	4.0164	.03482	.56270
#3	-.00794	-.02835	3.9656	.03854	.57104
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	4.3661	-.00534	.34743	3.1833
Stddev	.0252	.01480	.00213	.0104
%RSD	.57640	277.25	.61369	.32835
#1	4.3445	-.01398	.34749	3.1937
#2	4.3600	.01175	.34527	3.1834
#3	4.3937	-.01379	.34953	3.1728
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: CCV Operator:
Comment:
Run Time: 10/14/05 12:26 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	10.291	.38941	.39626	9.4533	1.0528
Stddev	.021	.00528	.00688	.0247	.0011
%RSD	.20078	1.3558	1.7363	.26115	.10627
#1	10.290	.38337	.39407	9.4342	1.0516
#2	10.271	.39170	.40397	9.4444	1.0531
#3	10.312	.39316	.39074	9.4811	1.0537
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	.40000	.40000	10.000	1.0000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04877	9.9052	.05231	.20267	.49000
Stddev	.00023	.0392	.00102	.00125	.00351
%RSD	.47080	.39606	1.9565	.61585	.71581
#1	.04851	9.9156	.05157	.20141	.48696
#2	.04882	9.8619	.05347	.20390	.48921
#3	.04897	9.9383	.05187	.20270	.49384
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.05000	10.000	.05000	.20000	.50000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.51542	4.0851	51.326	1.0158	9.4851
Stddev	.00186	.0083	.766	.0202	.1784
%RSD	.36040	.20349	1.4921	1.9912	1.8803
#1	.51627	4.0772	50.542	.99635	9.2956
#2	.51670	4.0938	52.072	1.0367	9.5100
#3	.51329	4.0843	51.363	1.0144	9.6497
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	4.0000	50.000	1.0000	10.000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.49620	1.0294	51.114	.50767	.51958
Stddev	.00284	.0090	.901	.00239	.00465
%RSD	.57289	.87838	1.7623	.47050	.89489
#1	.49331	1.0190	50.133	.50577	.51656
#2	.49629	1.0352	51.905	.50689	.52493
#3	.49900	1.0340	51.304	.51035	.51724
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	1.0000	50.000	.50000	.50000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Approved: October 17, 2005
Sheri L. Pokorny

Sample Name: CCV Run Time: 10/14/05 12:26

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.1932	.40776	Q -.00575	1.0430	1.0192
Stddev	.0060	.00299	.00034	.0117	.0034
%RSD	.50316	.73398	5.8293	1.1257	.32861
#1	1.1939	.40680	-.00599	1.0298	1.0155
#2	1.1989	.41112	-.00589	1.0521	1.0220
#3	1.1869	.40537	-.00537	1.0472	1.0201
Check ?	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	1.2000	.40000	5.0000	1.0000	1.0000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.98259	.49992	.97354	.97193
Stddev	.00211	.00844	.00847	.00642
%RSD	.21471	1.6888	.87009	.66015
#1	.98360	.49057	.96714	.96823
#2	.98016	.50222	.97033	.96821
#3	.98400	.50698	.98314	.97933
Check ?	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.50000	1.0000	1.0000
Range	10.000%	10.000%	10.000%	10.000%

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: CCB Operator:
Comment:
Run Time: 10/14/05 12:32 Type: Blank Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.05241	-.00435	-.00332	.00766	-.00006
Stddev	.02897	.00172	.00418	.00745	.00013
%RSD	55.279	39.595	125.73	97.189	223.06
#1	-.08526	-.00399	-.00628	-.00074	.00007
#2	-.03052	-.00284	.00146	.01028	-.00006
#3	-.04144	-.00623	-.00515	.01344	-.00018
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.20000	.00500	.01000	.05000	.00250
Low Limit	-.20000	-.00500	-.01000	-.05000	-.00250

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00005	.01199	H .00142	-.00144	.00031
Stddev	.00002	.00706	.00042	.00043	.00045
%RSD	41.311	58.869	29.565	29.823	142.77
#1	.00008	.00490	.00189	-.00133	-.00020
#2	.00005	.01902	.00124	-.00191	.00057
#3	.00003	.01205	.00112	-.00107	.00057
Check ?	LC Pass	LC Pass	LC Fail	LC Pass	LC Pass
High Limit	.00025	.05000	.00100	.00250	.00250
Low Limit	-.00025	-.05000	-.00100	-.00250	-.00250

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00348	.01144	.19479	-.00057	.03521
Stddev	.00040	.00603	.15226	.00015	.01006
%RSD	11.600	52.697	78.165	26.271	28.580
#1	-.00325	.01190	.36252	-.00040	.02910
#2	-.00395	.01722	.15660	-.00068	.02970
#3	-.00325	.00519	.06527	-.00065	.04682
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.01000	.02000	.25000	.05000	.10000
Low Limit	-.01000	-.02000	-.25000	-.05000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00019	-.00023	-.00707	-.00507	H .01260
Stddev	.00010	.00046	.02008	.00191	.00609
%RSD	49.379	194.81	284.27	37.693	48.292
#1	.00008	-.00011	.01448	-.00329	.01880
#2	.00026	-.00074	-.01039	-.00709	.01238
#3	.00024	.00015	-.02528	-.00484	.00663
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Fail
High Limit	.00250	.05000	.10000	.01000	.01000
Low Limit	-.00250	-.05000	-.10000	-.01000	-.01000

Approved: October 17, 2005

Sample Name: CCB Run Time: 10/14/05 12:32

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00313	L -.01211	-.03636	-.00328	.00383
Stddev	.00905	.00169	.00028	.00342	.00017
%RSD	289.16	13.971	.77179	104.43	4.3809
#1	-.01336	-.01063	-.03646	.00066	.00366
#2	.00381	-.01396	-.03657	-.00493	.00400
#3	.00017	-.01175	-.03604	-.00555	.00383
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	.02000	.01000	.25000	.20000	.00500
Low Limit	-.02000	-.01000	-.25000	-.20000	-.00500

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	-.00031	-.01125	L -.02069	.00092
Stddev	.00011	.00791	.00100	.00009
%RSD	34.469	70.331	4.8242	9.9753
#1	-.00034	-.02015	-.02157	.00081
#2	-.00020	-.00503	-.02091	.00099
#3	-.00041	-.00856	-.01961	.00095
Check ?	LC Pass	LC Pass	LC Fail	LC Pass
High Limit	.01500	.02000	.00728	.01000
Low Limit	-.01500	-.02000	-.00728	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051021304 Operator: SLP
Comment:
Run Time: 10/14/05 12:38 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	149.79	.00631	.05678	.14209	10.463
Stddev	.53	.00093	.00458	.00064	.033
%RSD	.35357	14.792	8.0666	.45013	.31830
#1	149.20	.00728	.05825	.14280	10.430
#2	149.95	.00542	.06044	.14193	10.496
#3	150.23	.00623	.05164	.14155	10.463
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00780	143.76	.01883	.16046	.21090
Stddev	.00009	.58	.00043	.00096	.00186
%RSD	1.1420	.40131	2.2893	.60014	.88124
#1	.00771	143.13	.01906	.16005	.20958
#2	.00789	144.27	.01833	.15976	.21009
#3	.00781	143.87	.01910	.16156	.21303
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.24375	159.57	40.195	.16686	43.910
Stddev	.00134	.41	.128	.00086	.426
%RSD	.54824	.25425	.31755	.51474	.97098
#1	.24220	159.33	40.049	.16600	43.423
#2	.24445	159.34	40.249	.16687	44.218
#3	.24458	160.04	40.287	.16771	44.088
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	3.3424	-.00056	2.3110	.10698	56.358
Stddev	.0183	.00213	.0171	.00115	.088
%RSD	.54866	383.11	.74062	1.0731	.15581
#1	3.3253	.00190	2.2927	.10741	56.446
#2	3.3401	-.00172	2.3136	.10568	56.271
#3	3.3618	-.00184	2.3267	.10785	56.358
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005
Sheri L. Blakgard

Sample Name: L051021304 Run Time: 10/14/05 12:38

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01193	L -.07467	4.3546	.04724	.50769
Stddev	.00189	.00388	.0262	.00186	.00185
%RSD	15.863	5.2011	.60257	3.9446	.36447
#1	.01244	-.07713	4.3258	.04724	.50772
#2	.01352	-.07019	4.3609	.04910	.50583
#3	.00984	-.07668	4.3771	.04538	.50953
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	4.1685	-.01808	.31035	11.343
Stddev	.0192	.01160	.00452	.083
%RSD	.46077	64.140	1.4566	.73271
#1	4.1468	-.03097	.30551	11.254
#2	4.1832	-.00847	.31446	11.357
#3	4.1756	-.01482	.31110	11.418
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051021305 Operator: SLP
Comment:
Run Time: 10/14/05 12:44 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	146.73	.00624	.05058	.15964	3.6136
Stddev	.91	.00229	.00480	.00075	.0052
%RSD	.61801	36.740	9.4972	.47016	.14371
#1	146.59	.00833	.04726	.15878	3.6155
#2	147.70	.00658	.05609	.16017	3.6176
#3	145.90	.00379	.04840	.15997	3.6077
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00766	163.15	.01727	.09092	.26186
Stddev	.00003	1.12	.00063	.00031	.00070
%RSD	.42832	.68523	3.6540	.34518	.26643
#1	.00762	161.98	.01696	.09068	.26119
#2	.00767	164.21	.01800	.09127	.26180
#3	.00769	163.28	.01686	.09079	.26258
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.27117	160.40	37.989	.15919	41.861
Stddev	.00210	.65	.484	.00242	.185
%RSD	.77526	.40562	1.2733	1.5175	.44172
#1	.27131	159.75	38.287	.16118	41.667
#2	.27320	161.05	38.248	.15988	41.880
#3	.26901	160.42	37.430	.15650	42.036
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	3.3804	.00197	2.4506	.10573	9.5603
Stddev	.0033	.00139	.0327	.00159	.0418
%RSD	.09817	70.632	1.3359	1.5053	.43693
#1	3.3782	.00058	2.4687	.10632	9.5158
#2	3.3842	.00337	2.4703	.10393	9.5986
#3	3.3788	.00196	2.4128	.10694	9.5666
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005
Sheri L. Blakeslee

Sample Name: L051021305 Run Time: 10/14/05 12:44

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00346	L -.02558	4.7617	.04082	.50284
Stddev	.00273	.01111	.0165	.00190	.00516
%RSD	78.942	43.438	.34560	4.6477	1.0253
#1	-.00587	-.02791	4.7695	.03916	.49707
#2	-.00049	-.03533	4.7428	.04041	.50699
#3	-.00403	-.01348	4.7729	.04289	.50444
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	4.0833	-.01763	.31926	4.7018
Stddev	.0165	.01426	.00133	.0058
%RSD	.40329	80.874	.41713	.12288
#1	4.0650	-.01652	.31881	4.6974
#2	4.0969	-.03242	.31821	4.6997
#3	4.0879	-.00396	.32075	4.7083
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051021306 Operator: SLP
Comment:
Run Time: 10/14/05 12:50 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	150.68	.00180	.05389	.14146	2.7379
Stddev	1.35	.00031	.00548	.00123	.0195
%RSD	.89789	17.318	10.171	.87218	.71338
#1	149.51	.00176	.05938	.14008	2.7185
#2	152.16	.00213	.05388	.14185	2.7575
#3	150.37	.00151	.04842	.14246	2.7378
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00802	135.50	.00640	.07015	.16905
Stddev	.00006	.82	.00013	.00025	.00033
%RSD	.71328	.60676	2.0429	.35225	.19639
#1	.00799	134.80	.00642	.07043	.16872
#2	.00809	136.41	.00626	.07008	.16938
#3	.00800	135.30	.00652	.06995	.16906
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.18639	162.25	37.905	.16443	43.569
Stddev	.00268	.89	.273	.00196	.037
%RSD	1.4377	.54927	.72048	1.1935	.08459
#1	.18519	161.22	37.682	.16259	43.599
#2	.18945	162.83	38.209	.16650	43.528
#3	.18451	162.69	37.823	.16420	43.580
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	3.3770	.00268	1.2782	.08647	4.8388
Stddev	.0097	.00037	.0137	.00118	.0133
%RSD	.28723	13.844	1.0732	1.3663	.27413
#1	3.3673	.00289	1.2667	.08527	4.8241
#2	3.3867	.00225	1.2934	.08763	4.8499
#3	3.3771	.00289	1.2745	.08650	4.8424
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005
Sheri L. Blakgard

Sample Name: L051021306 Run Time: 10/14/05 12:50

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00005	L -.02746	4.7990	.04890	.46356
Stddev	.00540	.01593	.0191	.00190	.00633
%RSD	10968.	58.015	.39810	3.8798	1.3652
#1	-.00534	-.04183	4.8121	.04848	.45690
#2	.00003	-.01032	4.8079	.05097	.46949
#3	.00546	-.03024	4.7771	.04724	.46427
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	4.2427	-.01350	.33150	2.5343
Stddev	.0275	.00687	.00322	.0030
%RSD	.64834	50.870	.97114	.11720
#1	4.2153	-.01838	.32874	2.5330
#2	4.2703	-.00565	.33504	2.5377
#3	4.2425	-.01647	.33074	2.5321
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051021307 Operator: SLP
Comment:
Run Time: 10/14/05 12:56 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	130.96	.00313	.05799	.13028	5.1237
Stddev	1.18	.00470	.00418	.00121	.0227
%RSD	.90161	149.96	7.2002	.92500	.44244
#1	130.29	-.00075	.05507	.13166	5.0998
#2	132.33	.00835	.05612	.12945	5.1449
#3	130.27	.00180	.06277	.12972	5.1265
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00688	139.71	.01893	.07439	.18088
Stddev	.00003	.88	.00030	.00066	.00006
%RSD	.49030	.63096	1.6042	.88884	.03478
#1	.00689	138.72	.01896	.07396	.18084
#2	.00684	139.99	.01862	.07405	.18084
#3	.00691	140.42	.01922	.07515	.18095
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.18729	150.65	33.231	.14636	36.858
Stddev	.00166	.14	.570	.00274	.389
%RSD	.88780	.09153	1.7145	1.8732	1.0554
#1	.18562	150.50	33.099	.14621	36.425
#2	.18894	150.71	33.856	.14918	37.179
#3	.18730	150.75	32.740	.14370	36.969
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	3.0813	.00081	1.8846	.09972	14.709
Stddev	.0035	.00199	.0386	.00047	.029
%RSD	.11251	246.88	2.0464	.47525	.19381
#1	3.0851	.00082	1.8746	.10021	14.699
#2	3.0782	-.00119	1.9272	.09926	14.686
#3	3.0805	.00279	1.8521	.09969	14.741
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005
Sheri L. Blakgard

Sample Name: L051021307 Run Time: 10/14/05 12:56

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00634	-.01800	4.3461	.05966	.45987
Stddev	.00360	.01978	.0157	.00657	.00242
%RSD	56.803	109.86	.36100	11.017	.52691
#1	.01046	-.04018	4.3596	.06711	.45754
#2	.00385	-.00219	4.3498	.05718	.45968
#3	.00470	-.01164	4.3289	.05469	.46238
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	3.9788	-.01209	.31084	5.7036
Stddev	.0253	.00536	.00153	.0198
%RSD	.63542	44.301	.49141	.34793
#1	3.9497	-.00956	.30908	5.7191
#2	3.9951	-.00847	.31176	5.7105
#3	3.9918	-.01824	.31169	5.6812
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051021308 Operator: SLP
Comment:
Run Time: 10/14/05 13:02 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	147.40	.00710	.05617	.15316	3.5416
Stddev	.62	.00264	.00581	.00085	.0096
%RSD	.41916	37.177	10.339	.55576	.27106
#1	147.13	.00428	.06275	.15219	3.5325
#2	148.11	.00951	.05175	.15352	3.5517
#3	146.97	.00752	.05401	.15377	3.5407
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00762	189.31	.01056	.07783	.23860
Stddev	.00002	.66	.00051	.00028	.00154
%RSD	.30709	.34964	4.8499	.36235	.64649
#1	.00760	188.66	.01010	.07752	.23701
#2	.00763	189.28	.01048	.07791	.23870
#3	.00764	189.99	.01111	.07807	.24010
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.20944	163.25	38.424	.15997	43.085
Stddev	.00212	1.15	.460	.00244	.178
%RSD	1.0107	.70497	1.1977	1.5252	.41392
#1	.21029	162.13	38.379	.15956	42.881
#2	.21101	163.19	38.905	.16258	43.213
#3	.20704	164.43	37.988	.15775	43.160
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	3.6171	.00521	1.5357	.10613	8.1099
Stddev	.0211	.00113	.0194	.00076	.0455
%RSD	.58409	21.590	1.2620	.71953	.56117
#1	3.5956	.00508	1.5309	.10525	8.0633
#2	3.6179	.00416	1.5570	.10656	8.1121
#3	3.6379	.00640	1.5191	.10659	8.1542
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005

Sample Name: L051021308 Run Time: 10/14/05 13:02

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00118	L -.02704	4.1604	.03420	.50278
Stddev	.00136	.01615	.0251	.00186	.00739
%RSD	114.94	59.720	.60270	5.4529	1.4698
#1	.00003	-.00894	4.1411	.03420	.49476
#2	.00083	-.03220	4.1514	.03233	.50931
#3	.00268	-.03998	4.1887	.03606	.50426
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	3.7336	-.02116	.33566	3.1654
Stddev	.0122	.01420	.00238	.0176
%RSD	.32603	67.104	.70883	.55731
#1	3.7202	-.00497	.33292	3.1487
#2	3.7365	-.03148	.33721	3.1636
#3	3.7441	-.02705	.33685	3.1838
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051021309 Operator: SLP
Comment:
Run Time: 10/14/05 13:08 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	99.416	.00335	.03709	.09808	2.7702
Stddev	.657	.00199	.01160	.00089	.0220
%RSD	.66075	59.339	31.289	.90993	.79397
#1	98.673	.00291	.03819	.09910	2.7452
#2	99.920	.00162	.02497	.09769	2.7866
#3	99.655	.00553	.04810	.09745	2.7788
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00551	168.58	.00836	.07855	.14433
Stddev	.00003	.87	.00048	.00074	.00073
%RSD	.56627	.51586	5.7018	.93778	.50874
#1	.00554	167.68	.00781	.07771	.14508
#2	.00549	169.42	.00870	.07906	.14429
#3	.00549	168.65	.00856	.07889	.14361
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.14470	118.00	25.947	.12464	31.775
Stddev	.00188	.63	.224	.00067	.106
%RSD	1.3000	.52987	.86314	.53536	.33241
#1	.14326	117.33	25.691	.12539	31.668
#2	.14683	118.13	26.107	.12440	31.879
#3	.14400	118.56	26.043	.12412	31.777
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	3.2546	.00033	2.4216	.06563	6.8069
Stddev	.0076	.00002	.0250	.00078	.0422
%RSD	.23428	4.6247	1.0332	1.1838	.61956
#1	3.2518	.00031	2.3928	.06513	6.7632
#2	3.2487	.00034	2.4373	.06653	6.8101
#3	3.2632	.00034	2.4349	.06524	6.8474
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005

Sample Name: L051021309 Run Time: 10/14/05 13:08

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00026	L -.02827	3.8656	.03482	.42482
Stddev	.00286	.01870	.0189	.00329	.00380
%RSD	1102.5	66.145	.48834	9.4380	.89514
#1	.00275	-.03938	3.8861	.03606	.42125
#2	.00089	-.00668	3.8617	.03730	.42440
#3	-.00286	-.03876	3.8490	.03109	.42882
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	2.9983	-.00913	.24638	2.5363
Stddev	.0175	.00828	.00399	.0072
%RSD	.58335	90.651	1.6198	.28517
#1	2.9786	-.00542	.24275	2.5446
#2	3.0118	-.00336	.25065	2.5315
#3	3.0047	-.01861	.24575	2.5329
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051020401 0.1 Operator: SLP
Comment:
Run Time: 10/14/05 13:14 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	41.423	.00257	.00722	.00569	.40009
Stddev	.440	.00324	.00888	.00191	.00554
%RSD	1.0612	126.25	122.98	33.540	1.3854
#1	41.855	.00475	-.00303	.00789	.40555
#2	41.439	-.00116	.01235	.00473	.40025
#3	40.976	.00412	.01234	.00445	.39446
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00085	7.5549	.00207	.03588	.08556
Stddev	.00005	.1171	.00057	.00073	.00177
%RSD	6.4081	1.5503	27.697	2.0321	2.0656
#1	.00082	7.6593	.00149	.03603	.08742
#2	.00092	7.5772	.00263	.03652	.08535
#3	.00082	7.4282	.00209	.03509	.08390
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.16513	61.975	1.4350	.00984	7.0787
Stddev	.00457	1.172	.0133	.00012	.2597
%RSD	2.7682	1.8911	.92557	1.1757	3.6690
#1	.17027	63.177	1.4447	.00996	7.3613
#2	.16152	61.915	1.4199	.00984	7.0244
#3	.16361	60.835	1.4403	.00973	6.8505
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.2477	-.00038	.29476	.04808	.18922
Stddev	.0260	.00118	.00141	.00084	.00358
%RSD	2.0827	305.73	.47804	1.7573	1.8926
#1	1.2745	-.00174	.29502	.04900	.19331
#2	1.2461	.00029	.29324	.04733	.18772
#3	1.2226	.00030	.29602	.04792	.18663
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005
Sheri L. Blakeslee

Sample Name: L051020401 0.1 Run Time: 10/14/05 13:14

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00510	-.00732	.50642	.00645	.08605
Stddev	.00288	.01791	.01195	.00095	.00394
%RSD	56.486	244.77	2.3601	14.697	4.5807
#1	-.00765	.01297	.51883	.00563	.09048
#2	-.00568	-.01400	.50543	.00749	.08474
#3	-.00197	-.02092	.49499	.00625	.08293
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	1.2164	-.00657	.13754	.20113
Stddev	.0186	.00988	.00327	.00395
%RSD	1.5300	150.32	2.3798	1.9620
#1	1.2334	-.00716	.13722	.20518
#2	1.2193	.00359	.14097	.20092
#3	1.1965	-.01614	.13445	.19729
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051020401PS 0.1 Operator: SLP
Comment: WG198639-01
Run Time: 10/14/05 13:20 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	47.671	.20077	.20055	4.8488	.92310
Stddev	.850	.01766	.01693	.4784	.03129
%RSD	1.7837	8.7960	8.4413	9.8658	3.3902
#1	48.353	.18831	.18109	4.3084	.89548
#2	47.942	.19302	.20862	5.0201	.91674
#3	46.718	.22098	.21193	5.2180	.95709
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.02631	12.980	.02652	.13239	.32679
Stddev	.00205	.289	.00218	.00945	.02277
%RSD	7.8091	2.2237	8.2144	7.1398	6.9689
#1	.02454	12.725	.02403	.12178	.30095
#2	.02581	12.922	.02745	.13545	.33548
#3	.02856	13.293	.02807	.13993	.34393
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.42778	63.405	27.090	.51982	12.411
Stddev	.01553	1.444	1.412	.03270	.288
%RSD	3.6298	2.2770	5.2119	6.2908	2.3175
#1	.41481	65.010	26.054	.49597	12.080
#2	.42355	62.990	26.519	.50641	12.556
#3	.44498	62.214	28.698	.55710	12.597
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.4820	.48993	26.727	.29185	.42953
Stddev	.0088	.05064	1.501	.02446	.01466
%RSD	.59518	10.336	5.6147	8.3802	3.4124
#1	1.4902	.43255	25.604	.26412	.41267
#2	1.4832	.50889	26.146	.30107	.43929
#3	1.4727	.52836	28.432	.31036	.43662
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005

Sample Name: L051020401PS 0.1 Run Time: 10/14/05 13:20

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.57571	.18700	2.8995	.00438	.57531
Stddev	.05678	.01530	.2306	.00559	.04833
%RSD	9.8619	8.1796	7.9542	127.49	8.4013
#1	.51137	.16968	2.6373	-.00121	.51999
#2	.59698	.19268	2.9903	.00997	.59656
#3	.61878	.19864	3.0709	.00438	.60938
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	1.7624	.25182	.64178	.67202
Stddev	.0153	.03136	.03738	.04379
%RSD	.87021	12.453	5.8245	6.5155
#1	1.7471	.21650	.61036	.62225
#2	1.7623	.26259	.63186	.68916
#3	1.7778	.27638	.68312	.70463
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: CCV Operator:
Comment:
Run Time: 10/14/05 13:26 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	10.268	.38909	.40545	9.4626	1.0523
Stddev	.101	.00376	.00169	.0301	.0032
%RSD	.98507	.96691	.41651	.31840	.30517
#1	10.207	.39344	.40508	9.4792	1.0542
#2	10.385	.38703	.40729	9.4807	1.0541
#3	10.212	.38681	.40397	9.4278	1.0486
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	.40000	.40000	10.000	1.0000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04894	9.9511	.05153	.20308	.49008
Stddev	.00044	.0615	.00097	.00118	.00330
%RSD	.90226	.61781	1.8881	.58168	.67428
#1	.04912	9.9393	.05090	.20181	.49236
#2	.04925	10.018	.05104	.20326	.49158
#3	.04843	9.8965	.05265	.20415	.48629
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.05000	10.000	.05000	.20000	.50000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.51254	4.0977	50.239	.98607	9.5101
Stddev	.00313	.0297	.492	.00780	.1095
%RSD	.60994	.72606	.97909	.79092	1.1509
#1	.50957	4.0737	50.407	.98355	9.6328
#2	.51580	4.0883	50.625	.99482	9.4751
#3	.51224	4.1310	49.686	.97985	9.4224
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	4.0000	50.000	1.0000	10.000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.49664	1.0325	49.883	.50762	.51960
Stddev	.00167	.0023	.628	.00138	.01013
%RSD	.33713	.22568	1.2585	.27146	1.9499
#1	.49781	1.0305	50.220	.50724	.51088
#2	.49740	1.0320	50.271	.50914	.51721
#3	.49472	1.0351	49.159	.50647	.53072
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	1.0000	50.000	.50000	.50000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Approved: October 17, 2005

Sample Name: CCV Run Time: 10/14/05 13:26

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.1996	.40849	Q -.00399	1.0447	1.0236
Stddev	.0040	.00763	.00153	.0044	.0144
%RSD	.32996	1.8679	38.428	.41690	1.4034
#1	1.1979	.40763	-.00270	1.0490	1.0165
#2	1.2042	.41651	-.00358	1.0447	1.0142
#3	1.1969	.40132	-.00568	1.0403	1.0401
Check ?	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	1.2000	.40000	5.0000	1.0000	1.0000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.98783	.49953	.96832	.97189
Stddev	.00504	.00247	.01375	.01111
%RSD	.51009	.49483	1.4204	1.1435
#1	.98980	.49723	.98315	.97828
#2	.99158	.50215	.96581	.97833
#3	.98210	.49921	.95598	.95905
Check ?	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.50000	1.0000	1.0000
Range	10.000%	10.000%	10.000%	10.000%

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: CCB Operator:
Comment:
Run Time: 10/14/05 13:32 Type: Blank Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.03720	-.00217	.00034	.00104	.00005
Stddev	.04108	.00125	.00382	.00152	.00017
%RSD	110.43	57.666	1110.5	146.15	355.01
#1	-.05911	-.00207	-.00406	.00272	.00009
#2	-.06267	-.00347	.00254	.00063	.00020
#3	.01019	-.00097	.00255	-.00023	-.00014
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.20000	.00500	.01000	.05000	.00250
Low Limit	-.20000	-.00500	-.01000	-.05000	-.00250

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00000	.00344	.00031	.00011	-.00030
Stddev	.0000	.00547	.00071	.00056	.00033
%RSD	1029.2	159.28	227.04	508.33	111.40
#1	.00001	.00026	.00111	-.00054	-.00064
#2	.00002	.00029	.00003	.00045	-.00027
#3	-.00004	.00975	-.00021	.00041	.00002
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00025	.05000	.00100	.00250	.00250
Low Limit	-.00025	-.05000	-.00100	-.00250	-.00250

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00039	.00137	.01861	.00014	-.02827
Stddev	.00059	.00257	.01316	.00003	.07105
%RSD	150.71	188.09	70.708	19.971	251.37
#1	.00032	.00428	.03294	.00014	-.09287
#2	.00102	.00045	.01582	.00011	-.03977
#3	-.00016	-.00062	.00707	.00017	.04784
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.01000	.02000	.25000	.05000	.10000
Low Limit	-.01000	-.02000	-.25000	-.05000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00006	.00083	-.01418	.00017	-.00255
Stddev	.00003	.00041	.00327	.00078	.00258
%RSD	51.015	49.136	23.027	454.58	101.20
#1	-.00003	.00129	-.01212	-.00061	-.00105
#2	-.00009	.00066	-.01248	.00017	-.00552
#3	-.00006	.00053	-.01795	.00095	-.00107
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00250	.05000	.10000	.01000	.01000
Low Limit	-.00250	-.05000	-.10000	-.01000	-.01000

Approved: October 17, 2005
Sheri L. Blakgard

Sample Name: CCB Run Time: 10/14/05 13:32

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00332	-.00841	-.00102	.00004	-.00321
Stddev	.00481	.00223	.00165	.00062	.00297
%RSD	144.87	26.467	161.11	1685.6	92.630
#1	-.00512	-.01064	-.00182	.00066	-.00664
#2	-.00697	-.00619	.00087	-.00058	-.00149
#3	.00213	-.00840	-.00212	.00004	-.00149
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.02000	.01000	.25000	.20000	.00500
Low Limit	-.02000	-.01000	-.25000	-.20000	-.00500

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.00077	.00257	-.00044	.00015
Stddev	.00050	.00770	.00147	.00028
%RSD	64.930	299.67	336.11	193.82
#1	.00122	.01146	-.00032	.00046
#2	.00087	-.00184	.00097	.00007
#3	.00023	-.00191	-.00196	-.00009
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.01500	.02000	.00728	.01000
Low Limit	-.01500	-.02000	-.00728	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: PBS 70 Operator: SLP
Comment: WG198652-02
Run Time: 10/14/05 13:41 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	H 5.9732	-.00311	.00340	.00064	H .05704
Stddev	10.443	.00550	.00444	.00452	.09837
%RSD	174.83	176.84	130.62	701.20	172.46
#1	18.032	.00320	.00286	.00537	.17062
#2	-.09980	-.00566	.00807	-.00362	-.00008
#3	-.01226	-.00688	-.00075	.00018	.00057
Check ?	LC Fail	LC Pass	LC Pass	LC Pass	LC Fail
High Limit	.20000	.00800	.02000	.10000	.01000
Low Limit	-.20000	-.00800	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00015	H 1.0573	.00149	H .01149	H .02679
Stddev	.00024	1.7642	.00063	.02106	.04764
%RSD	159.65	166.85	41.938	183.34	177.83
#1	.00042	3.0944	.00215	.03580	.08177
#2	-.00002	.03027	.00141	-.00034	-.00205
#3	.00004	.04730	.00091	-.00100	.00065
Check ?	LC Pass	LC Fail	LC Pass	LC Fail	LC Fail
High Limit	.00050	.20000	.00200	.00500	.00500
Low Limit	-.00050	-.20000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	H .02078	H 20.055	.35578	.00120	H 1.0642
Stddev	.03961	34.653	.22986	.00270	1.8069
%RSD	190.58	172.79	64.608	223.73	169.80
#1	.06652	60.069	.61909	.00431	3.1506
#2	-.00208	.07394	.19519	-.00017	.01297
#3	-.00209	.02244	.25305	-.00053	.02889
Check ?	LC Fail	LC Fail	LC Pass	LC Pass	LC Fail
High Limit	.00500	.04000	.50000	.10000	.10000
Low Limit	-.00500	-.04000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	H .39974	-.00074	.03308	.01248	H .07524
Stddev	.69040	.00223	.06375	.02986	.10117
%RSD	172.71	302.46	192.71	239.23	134.47
#1	1.1970	.00092	.10665	.04696	.19197
#2	.00149	.00014	-.00602	-.00424	.02073
#3	.00079	-.00328	-.00138	-.00527	.01301
Check ?	LC Fail	LC Pass	LC Pass	LC Pass	LC Fail
High Limit	.01000	.10000	.50000	.02000	.02000
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005
Sheri L. Blakgard

Sample Name: PBS 70 Run Time: 10/14/05 13:41

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00177	-.01522	.13649	-.00203	H .02757
Stddev	.00573	.01012	.29939	.00441	.04583
%RSD	322.67	66.469	219.35	216.72	166.24
#1	-.00147	-.02662	.48220	.00190	.08048
#2	.00839	-.00731	-.03680	-.00679	.00054
#3	-.00160	-.01173	-.03593	-.00121	.00168
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Fail
High Limit	.02000	.02000	1.0000	.50000	.01000
Low Limit	-.02000	-.02000	-1.0000	-.50000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	H .17695	-.00978	.00288	H .06561
Stddev	.30259	.00539	.04180	.11008
%RSD	171.01	55.041	1451.9	167.77
#1	.52635	-.01483	.05111	.19272
#2	.00150	-.00411	-.01960	.00220
#3	.00299	-.01042	-.02287	.00191
Check ?	LC Fail	LC Pass	LC Pass	LC Fail
High Limit	.03000	.04000	.01000	.02000
Low Limit	-.03000	-.04000	-.01000	-.02000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: LCSS 70 Operator: SLP
Comment: WG198652-03
Run Time: 10/14/05 13:48 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	H 9.5205	L .04254	L .07430	L 1.8839	L .19852
Stddev	16.457	.08002	.15207	3.2418	.33944
%RSD	172.86	188.11	204.67	172.08	170.98
#1	28.524	.13492	.24970	5.6272	.59047
#2	-.00126	-.00507	-.00625	.01269	.00185
#3	.03892	-.00224	-.02056	.01182	.00325
Check ?	LC Fail	LC Fail	LC Fail	LC Fail	LC Fail
High Limit	6.0000	.24000	.24000	6.0000	.60000
Low Limit	4.0000	.16000	.16000	4.0000	.40000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	L .00607	L 2.7517	L .01169	L .04841	L .11932
Stddev	.01040	4.6826	.01640	.08446	.20776
%RSD	171.27	170.17	140.38	174.46	174.12
#1	.01807	8.1587	.03063	.14594	.35922
#2	.00006	.03964	.00243	-.00002	-.00054
#3	.00007	.05675	.00200	-.00068	-.00072
Check ?	LC Fail	LC Fail	LC Fail	LC Fail	LC Fail
High Limit	.03000	6.0000	.03000	.12000	.30000
Low Limit	.02000	4.0000	.02000	.08000	.20000

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	L .08921	H 20.031	L 6.3570	L .11853	L 2.7248
Stddev	.15745	34.532	10.456	.20535	4.8216
%RSD	176.50	172.39	164.49	173.25	176.95
#1	.27102	59.905	18.431	.35564	8.2923
#2	-.00182	.16156	.29842	-.00011	-.07558
#3	-.00158	.02644	.34154	.00004	-.04217
Check ?	LC Fail	LC Fail	LC Fail	LC Fail	LC Fail
High Limit	.30000	2.4000	30.000	.60000	6.0000
Low Limit	.20000	1.6000	20.000	.40000	4.0000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	H .48179	L .18867	L 5.9834	L .10776	L .17224
Stddev	.83036	.32467	10.320	.19024	.26472
%RSD	172.35	172.08	172.48	176.54	153.69
#1	1.4406	.56356	17.900	.32743	.47791
#2	.00408	.00192	.01558	-.00190	.02070
#3	.00068	.00053	.03445	-.00225	.01812
Check ?	LC Fail	LC Fail	LC Fail	LC Fail	LC Fail
High Limit	.30000	.60000	30.000	.30000	.30000
Low Limit	.20000	.40000	20.000	.20000	.20000

Approved: October 17, 2005

Sample Name: LCSS 70 Run Time: 10/14/05 13:48

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	L .22651	L .05783	L 1.0548	L .00024	L .21944
Stddev	.38244	.14259	1.8720	.00342	.36903
%RSD	168.84	246.57	177.48	1401.3	168.17
#1	.66811	.22246	3.2164	.00376	.64556
#2	.00483	-.02282	-.01842	.00004	.00608
#3	.00659	-.02615	-.03363	-.00307	.00667
Check ?	LC Fail	LC Fail	LC Fail	LC Fail	LC Fail
High Limit	.72000	.24000	3.0000	.60000	.60000
Low Limit	.48000	.16000	2.0000	.40000	.40000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	L .38025	L .08435	L .12930	L .24434
Stddev	.62193	.15879	.25422	.42210
%RSD	163.56	188.26	196.61	172.75
#1	1.0984	.26725	.42285	.73173
#2	.01955	.00399	-.01731	.00141
#3	.02280	-.01821	-.01763	-.00013
Check ?	LC Fail	LC Fail	LC Fail	LC Fail
High Limit	.60000	.30000	.60000	.60000
Low Limit	.40000	.20000	.40000	.40000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051026403 Operator: SLP
Comment: WG198652-01
Run Time: 10/14/05 13:54 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	8.4123	.00125	.02121	.02625	.08113
Stddev	13.220	.01173	.04581	.04177	.13640
%RSD	157.16	936.58	215.95	159.13	168.14
#1	23.678	.01480	.07397	.07441	.23863
#2	.79413	-.00519	-.00185	.00006	.00268
#3	.76489	-.00585	-.00848	.00426	.00207
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00023	.85471	.00752	.10776	.24832
Stddev	.00037	1.0558	.01002	.18515	.43549
%RSD	162.43	123.53	133.19	171.81	175.37
#1	.00065	2.0737	.01905	.32155	.75117
#2	-.00002	.26150	.00252	.00108	-.00387
#3	.00005	.22890	.00099	.00066	-.00235
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.02459	177.49	.29985	.00057	1.9087
Stddev	.04578	307.21	.20474	.00162	3.5032
%RSD	186.17	173.09	68.280	284.65	183.54
#1	.07744	532.22	.53263	.00244	5.9487
#2	-.00137	.1070	.21915	-.00029	.06461
#3	-.00231	.1383	.14776	-.00044	-.28729
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	3.3167	.00151	.01770	.13888	.57542
Stddev	5.7399	.00461	.04195	.24528	.96750
%RSD	173.06	304.63	237.04	176.60	168.14
#1	9.9445	.00665	.06559	.42210	1.6926
#2	.00247	.00015	.00006	-.00147	.02421
#3	.00297	-.00226	-.01255	-.00398	.00950
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005

Sample Name: L051026403 Run Time: 10/14/05 13:54

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00076	-.00150	1.3800	.01039	.22166
Stddev	.00757	.00586	2.4559	.03076	.37286
%RSD	999.41	391.30	177.96	296.07	168.21
#1	-.00262	.00445	4.2158	.04538	.65220
#2	.00757	-.00726	-.03982	-.00183	.00456
#3	-.00722	-.00168	-.03595	-.01238	.00823
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.30710	L -.04085	.01326	.60815
Stddev	.49553	.04293	.06482	1.0535
%RSD	161.36	105.08	488.71	173.22
#1	.87928	-.08933	.08808	1.8246
#2	.02111	-.00767	-.02218	.00002
#3	.02090	-.02555	-.02611	-.00015
Check ?	LC Pass	LC Fail	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051026403S Operator: SLP
Comment: WG198652-04
Run Time: 10/14/05 13:59 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	55.711	-.00004	.01497	.01375	.54383
Stddev	47.614	.00524	.00856	.00769	.46929
%RSD	85.467	13072.	57.199	55.913	86.293
#1	83.220	.00144	.01324	.01840	.81649
#2	83.182	.00429	.02426	.01796	.81304
#3	.73066	-.00586	.00740	.00487	.00194
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00109	10.142	.00318	.05667	.13449
Stddev	.00104	9.023	.00113	.02200	.05566
%RSD	95.034	88.966	35.553	38.814	41.383
#1	.00161	15.362	.00427	.06929	.16608
#2	.00176	15.342	.00327	.06946	.16717
#3	-.00010	-.27679	.00201	.03127	.07023
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.22158	97.502	1.8758	.01342	9.6662
Stddev	.19510	39.241	1.6636	.01181	8.3149
%RSD	88.048	40.247	88.689	88.007	86.020
#1	.33562	119.82	2.8458	.02032	14.519
#2	.33282	120.50	2.8267	.02015	14.415
#3	-.00369	52.192	-.04515	-.00022	.06520
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.9393	.00040	.40425	.07456	.29739
Stddev	.7761	.00111	.37614	.03158	.10306
%RSD	40.019	275.96	93.044	42.356	34.655
#1	2.3808	.00070	.62322	.09279	.35911
#2	2.3939	.00133	.61960	.09280	.35464
#3	1.0432	-.00083	-.03007	.03809	.17841
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005

Sample Name: L051026403S Run Time: 10/14/05 13:59

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00086	L -.02253	.78782	.00376	.13168
Stddev	.00835	.00431	.32784	.00323	.05272
%RSD	968.54	19.112	41.614	85.750	40.037
#1	-.00256	-.02508	.97479	.00190	.15843
#2	-.00524	-.02494	.97940	.00749	.16565
#3	.01038	-.01756	.40927	.00190	.07094
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	1.6612	-.00779	.17947	.31939
Stddev	1.4215	.00340	.16966	.12865
%RSD	85.570	43.717	94.534	40.280
#1	2.4826	-.00498	.27790	.39203
#2	2.4812	-.00680	.27693	.39528
#3	.01980	-.01157	-.01643	.17085
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051026403SD Operator: SLP
Comment: WG198652-05
Run Time: 10/14/05 14:05 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00322	-.00305	-.00308	.00003	.00053
Stddev	.11478	.00253	.00330	.00350	.00102
%RSD	3564.5	83.074	107.09	10846.	192.15
#1	.13290	-.00013	-.00332	.00224	.00170
#2	-.03789	-.00464	-.00626	-.00400	.00000
#3	-.08534	-.00438	.00033	.00186	-.00011
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00009	-.04830	.00140	.00378	.01091
Stddev	.00001	.12240	.00041	.00930	.01902
%RSD	13.736	253.42	28.971	245.78	174.30
#1	.00010	-.18929	.00101	.01451	.03285
#2	.00010	.03075	.00136	-.00179	-.00094
#3	.00008	.01364	.00182	-.00137	.00083
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00333	8.1923	.09386	-.00036	-.00032
Stddev	.00220	14.163	.12264	.00029	.07072
%RSD	66.008	172.88	130.67	80.935	21778.
#1	-.00557	24.546	-.03534	-.00002	.06403
#2	-.00326	.02620	.20868	-.00054	.01102
#3	-.00117	.00470	.10824	-.00053	-.07603
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.16428	-.00215	-.01215	.00225	.03838
Stddev	.28393	.00053	.01608	.01385	.04509
%RSD	172.83	24.871	132.36	616.73	117.47
#1	.49213	-.00153	-.02819	.01824	.09036
#2	.00053	-.00239	.00397	-.00553	.01494
#3	.00018	-.00252	-.01222	-.00597	.00984
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005
Sheri L. Blakeslee

Sample Name: L051026403SD Run Time: 10/14/05 14:05

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00424	-.00969	.04167	.00004	.01715
Stddev	.00787	.00285	.13808	.00062	.01775
%RSD	185.75	29.376	331.37	1675.0	103.51
#1	.00316	-.00893	.20111	.00066	.03762
#2	-.00337	-.01284	-.03730	.00004	.00766
#3	-.01251	-.00730	-.03880	-.00058	.00615
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.00126	-.00443	L -.02344	.02806
Stddev	.00308	.00378	.00329	.04606
%RSD	244.47	85.310	14.038	164.12
#1	.00481	-.00298	-.01968	.08124
#2	-.00076	-.00159	-.02483	.00138
#3	-.00027	-.00872	-.02581	.00156
Check ?	LC Pass	LC Pass	LC Fail	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051025601 Operator: SLP
Comment:
Run Time: 10/14/05 14:11 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	13.135	.00907	.08385	1.5231	.14617
Stddev	21.438	.02246	.15039	2.6242	.24866
%RSD	163.21	247.63	179.35	172.29	170.12
#1	37.890	.03496	.25746	4.5533	.43329
#2	.82341	-.00257	.00036	.00534	.00293
#3	.69197	-.00518	-.00627	.01067	.00228
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00134	2.1354	.01531	.12657	.30189
Stddev	.00225	3.2294	.02316	.21836	.52802
%RSD	167.32	151.23	151.32	172.51	174.90
#1	.00394	5.8643	.04204	.37871	.91159
#2	.00004	.28318	.00256	.00043	-.00416
#3	.00005	.25859	.00132	.00058	-.00176
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.05371	159.91	1.0668	.01217	2.9226
Stddev	.09660	276.76	1.5219	.02195	5.2696
%RSD	179.86	173.08	142.66	180.41	180.31
#1	.16524	479.49	2.8239	.03752	9.0067
#2	-.00112	.1500	.21117	-.00034	-.04029
#3	-.00300	.0882	.16525	-.00067	-.19863
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	3.0834	.15958	.68649	.20254	.58080
Stddev	5.3358	.27516	1.1909	.35434	.99227
%RSD	173.05	172.43	173.48	174.94	170.85
#1	9.2446	.47730	2.0616	.61170	1.7266
#2	.00338	.00053	.00535	-.00173	.00821
#3	.00214	.00091	-.00751	-.00234	.00762
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005

Sample Name: L051025601 Run Time: 10/14/05 14:11

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.19238	.04387	1.9700	.01039	.34513
Stddev	.32341	.11354	3.4718	.02561	.57981
%RSD	168.11	258.83	176.24	246.53	168.00
#1	.56575	.17497	5.9789	.03916	1.0146
#2	.01219	-.02168	-.03255	.00190	.01156
#3	-.00079	-.02170	-.03640	-.00990	.00920
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.45988	.03769	.05124	.70592
Stddev	.75978	.08945	.12491	1.2229
%RSD	165.21	237.30	243.79	173.23
#1	1.3372	.14079	.19547	2.1180
#2	.02218	-.00850	-.01989	.00000
#3	.02026	-.01921	-.02186	-.00024
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: CCV Operator:
Comment:
Run Time: 10/14/05 14:23 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	10.240	.38698	.39701	9.4219	1.0498
Stddev	.028	.00064	.00698	.0169	.0041
%RSD	.27735	.16560	1.7586	.17975	.39403
#1	10.254	.38771	.39298	9.4043	1.0452
#2	10.207	.38672	.39297	9.4381	1.0512
#3	10.258	.38651	.40507	9.4233	1.0531
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	.40000	.40000	10.000	1.0000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04847	9.7477	.05177	.19918	.48229
Stddev	.00021	.0608	.00029	.00112	.00267
%RSD	.44049	.62357	.55625	.56474	.55403
#1	.04823	9.6776	.05204	.19793	.47924
#2	.04861	9.7819	.05147	.20011	.48345
#3	.04858	9.7837	.05181	.19950	.48419
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.05000	10.000	.05000	.20000	.50000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.51469	4.0385	50.937	1.0167	9.5534
Stddev	.00154	.0127	.390	.0129	.2594
%RSD	.29849	.31506	.76589	1.2689	2.7153
#1	.51645	4.0245	51.346	1.0303	9.2747
#2	.51367	4.0416	50.898	1.0153	9.5976
#3	.51394	4.0493	50.568	1.0046	9.7878
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	4.0000	50.000	1.0000	10.000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.48953	1.0150	50.935	.49874	.51295
Stddev	.00182	.0084	.501	.00252	.00753
%RSD	.37171	.83147	.98310	.50563	1.4679
#1	.48776	1.0053	51.452	.49584	.50439
#2	.48944	1.0207	50.899	.50033	.51853
#3	.49140	1.0191	50.453	.50007	.51594
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	1.0000	50.000	.50000	.50000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Approved: October 17, 2005
Sheri L. Pokorny

Sample Name: CCV Run Time: 10/14/05 14:23

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.1915	.39365	Q -.00342	1.0252	.99630
Stddev	.0025	.00394	.00132	.0109	.01145
%RSD	.21105	1.0005	38.559	1.0671	1.1489
#1	1.1928	.39819	-.00206	1.0130	.98337
#2	1.1930	.39142	-.00470	1.0285	1.0003
#3	1.1886	.39133	-.00350	1.0341	1.0052
Check ?	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	1.2000	.40000	5.0000	1.0000	1.0000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.97678	.48959	.96401	.96091
Stddev	.00385	.00764	.00682	.00303
%RSD	.39402	1.5602	.70790	.31534
#1	.97244	.49381	.95637	.95911
#2	.97978	.49419	.96949	.95920
#3	.97812	.48077	.96618	.96441
Check ?	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.50000	1.0000	1.0000
Range	10.000%	10.000%	10.000%	10.000%

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: CCB Operator:
Comment:
Run Time: 10/14/05 14:29 Type: Blank Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.02630	.00020	-.00001	.00031	-.00009
Stddev	.02034	.00152	.00459	.00125	.00007
%RSD	77.319	749.54	57362.	400.58	82.686
#1	-.00437	-.00034	-.00515	.00176	-.00003
#2	-.04454	.00192	.00366	-.00033	-.00016
#3	-.02999	-.00097	.00146	-.00049	-.00007
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.20000	.00500	.01000	.05000	.00250
Low Limit	-.20000	-.00500	-.01000	-.05000	-.00250

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00005	.00784	-.00088	.00002	-.00039
Stddev	.00001	.01081	.00043	.00070	.00026
%RSD	28.361	137.93	48.545	2890.2	67.108
#1	-.00006	.01285	-.00134	.00084	-.00013
#2	-.00003	-.00457	-.00080	-.00034	-.00064
#3	-.00006	.01524	-.00050	-.00042	-.00039
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00025	.05000	.00100	.00250	.00250
Low Limit	-.00025	-.05000	-.00100	-.00250	-.00250

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00047	.00704	-.02544	.00008	.04209
Stddev	.00035	.00660	.00509	.00024	.05674
%RSD	75.699	93.857	20.021	293.16	134.81
#1	-.00085	.00503	-.03040	-.00019	-.02267
#2	-.00039	.01441	-.02023	.00017	.06589
#3	-.00016	.00167	-.02568	.00026	.08306
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.01000	.02000	.25000	.05000	.10000
Low Limit	-.01000	-.02000	-.25000	-.05000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00006	.00205	-.01748	-.00081	-.00041
Stddev	.00002	.00033	.00463	.00026	.00169
%RSD	27.004	16.330	26.480	32.674	414.17
#1	-.00005	.00192	-.01339	-.00104	-.00106
#2	-.00004	.00243	-.01655	-.00087	-.00168
#3	-.00007	.00180	-.02251	-.00052	.00151
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00250	.05000	.10000	.01000	.01000
Low Limit	-.00250	-.05000	-.10000	-.01000	-.01000

Approved: October 17, 2005
Sheri L. Blakgard

Sample Name: CCB Run Time: 10/14/05 14:29

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00668	-.00842	-.00113	-.00058	.00145
Stddev	.00236	.00838	.00105	.00311	.00154
%RSD	35.377	99.508	93.162	531.72	106.14
#1	.00400	.00046	-.00063	.00252	-.00033
#2	.00846	-.01620	-.00042	-.00369	.00234
#3	.00759	-.00953	-.00234	-.00058	.00233
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.02000	.01000	.25000	.20000	.00500
Low Limit	-.02000	-.01000	-.25000	-.20000	-.00500

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	-.00015	.00701	-.00066	.00046
Stddev	.00015	.00858	.00118	.00014
%RSD	99.998	122.49	179.25	29.436
#1	.00002	.01680	.00032	.00033
#2	-.00019	.00347	-.00033	.00060
#3	-.00026	.00076	-.00196	.00045
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.01500	.02000	.00728	.01000
Low Limit	-.01500	-.02000	-.00728	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: PBS 70 Operator: SLP
Comment: WG198652-02
Run Time: 10/14/05 14:34 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	.02354	-.00294	-.00661	.00220	.00017
Stddev	.06573	.00091	.00626	.00039	.00013
%RSD	279.23	31.150	94.655	17.552	74.338
#1	.08669	-.00334	.00036	.00237	.00003
#2	.02844	-.00189	-.00844	.00247	.00022
#3	-.04451	-.00358	-.01175	.00176	.00027
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.20000	.00800	.02000	.10000	.01000
Low Limit	-.20000	-.00800	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00000	.07585	-.00052	-.00005	.00142
Stddev	.00006	.00079	.00042	.00012	.00029
%RSD	2137.6	1.0365	80.856	245.14	20.243
#1	-.00007	.07662	-.00098	-.00019	.00157
#2	.00004	.07505	-.00042	.00000	.00109
#3	.00004	.07587	-.00016	.00004	.00161
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00050	.20000	.00200	.00500	.00500
Low Limit	-.00050	-.20000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00108	.00559	.01025	.00012	.01149
Stddev	.00110	.00154	.00913	.00006	.04694
%RSD	101.67	27.567	89.020	53.148	408.65
#1	.00193	.00735	.01801	.00019	.04766
#2	.00147	.00494	.01256	.00008	-.04156
#3	-.00016	.00448	.00019	.00008	.02836
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00500	.04000	.50000	.10000	.10000
Low Limit	-.00500	-.04000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00060	-.00138	.00332	-.00072	-.00129
Stddev	.00001	.00176	.00165	.00087	.00534
%RSD	2.2787	127.61	49.738	120.48	413.24
#1	.00061	.00065	.00491	.00008	.00146
#2	.00059	-.00252	.00344	-.00164	.00211
#3	.00059	-.00226	.00161	-.00061	-.00745
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.01000	.10000	.50000	.02000	.02000
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005

Sample Name: PBS 70 Run Time: 10/14/05 14:34

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00610	-.01699	-.00029	.02136	.00150
Stddev	.00367	.00890	.00084	.00199	.00060
%RSD	60.262	52.351	290.29	9.3387	40.100
#1	.00609	-.01627	-.00084	.02053	.00216
#2	.00977	-.00848	-.00071	.02363	.00133
#3	.00243	-.02623	.00068	.01991	.00100
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.02000	.02000	1.0000	.50000	.01000
Low Limit	-.02000	-.02000	-1.0000	-.50000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.00108	-.00553	-.00467	.00499
Stddev	.00028	.00265	.00115	.00030
%RSD	26.146	47.922	24.508	5.9422
#1	.00080	-.00289	-.00587	.00504
#2	.00136	-.00819	-.00457	.00525
#3	.00108	-.00551	-.00358	.00467
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.03000	.04000	.01000	.02000
Low Limit	-.03000	-.04000	-.01000	-.02000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: LCSS 70 Operator: SLP
Comment: WG198652-03
Run Time: 10/14/05 14:40 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	4.9235	.18909	.18852	4.8089	.49550
Stddev	.0208	.00044	.00417	.0208	.00173
%RSD	.42197	.23472	2.2121	.43269	.34824
#1	4.9406	.18944	.18559	4.7849	.49432
#2	4.9004	.18859	.19330	4.8206	.49471
#3	4.9296	.18924	.18668	4.8212	.49748
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	6.0000	.24000	.24000	6.0000	.60000
Low Limit	4.0000	.16000	.16000	4.0000	.40000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.02476	5.0465	.02516	.10045	.24569
Stddev	.00018	.0198	.00053	.00018	.00138
%RSD	.71261	.39179	2.0885	.17449	.56057
#1	.02457	5.0246	.02548	.10041	.24451
#2	.02477	5.0521	.02545	.10065	.24536
#3	.02493	5.0629	.02455	.10030	.24721
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.03000	6.0000	.03000	.12000	.30000
Low Limit	.02000	4.0000	.02000	.08000	.20000

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.25817	2.0018	23.316	.48695	4.5269
Stddev	.00186	.0045	.142	.00522	.0539
%RSD	.71939	.22330	.61091	1.0720	1.1912
#1	.25676	1.9989	23.156	.48155	4.4679
#2	.25747	1.9995	23.367	.48733	4.5389
#3	.26027	2.0070	23.427	.49197	4.5737
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.30000	2.4000	30.000	.60000	6.0000
Low Limit	.20000	1.6000	20.000	.40000	4.0000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.24717	.50629	24.632	.24706	.25581
Stddev	.00091	.00114	.319	.00131	.00708
%RSD	.36946	.22491	1.2961	.53080	2.7688
#1	.24632	.50524	24.305	.24588	.25495
#2	.24705	.50612	24.650	.24848	.26328
#3	.24813	.50750	24.942	.24683	.24920
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.30000	.60000	30.000	.30000	.30000
Low Limit	.20000	.40000	20.000	.20000	.20000

Approved: October 17, 2005

Sample Name: LCSS 70 Run Time: 10/14/05 14:40

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.55592	.18818	2.3021	.52278	.50746
Stddev	.00132	.00929	.0229	.00556	.00326
%RSD	.23766	4.9348	.99640	1.0639	.64177
#1	.55618	.18345	2.2757	.51988	.50707
#2	.55708	.19887	2.3131	.51926	.50441
#3	.55448	.18220	2.3175	.52919	.51089
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.72000	.24000	3.0000	.60000	.60000
Low Limit	.48000	.16000	2.0000	.40000	.40000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.48970	.23717	.48160	.47129
Stddev	.00195	.00539	.00228	.00354
%RSD	.39726	2.2720	.47319	.75168
#1	.48750	.23357	.47998	.46721
#2	.49041	.24336	.48062	.47302
#3	.49119	.23457	.48421	.47362
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.60000	.30000	.60000	.60000
Low Limit	.40000	.20000	.40000	.40000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051026403 Operator: SLP
Comment: WG198652-01
Run Time: 10/14/05 14:46 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	48.941	-.00317	.00760	.00568	.02457
Stddev	.071	.00258	.00168	.00113	.00011
%RSD	.14546	81.387	22.158	19.822	.44956
#1	48.890	-.00019	.00944	.00698	.02444
#2	48.910	-.00475	.00722	.00508	.02465
#3	49.022	-.00458	.00614	.00498	.02461
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00039	.41898	.00115	.00413	.03919
Stddev	.00007	.01357	.00014	.00049	.00028
%RSD	18.067	3.2397	12.085	11.822	.71176
#1	.00031	.40823	.00107	.00424	.03887
#2	.00040	.43423	.00131	.00359	.03939
#3	.00045	.41447	.00108	.00455	.03931
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00605	5.2651	.40851	.00658	.38821
Stddev	.00047	.0159	.00863	.00004	.14147
%RSD	7.7904	.30168	2.1136	.59642	36.443
#1	.00653	5.2804	.40683	.00658	.25984
#2	.00559	5.2487	.41786	.00662	.53989
#3	.00603	5.2661	.40084	.00654	.36489
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04564	.00052	.02501	.01343	.01860
Stddev	.00008	.00088	.00128	.00096	.00451
%RSD	.17092	168.23	5.1093	7.1123	24.272
#1	.04555	.00001	.02505	.01254	.01777
#2	.04571	.00002	.02626	.01331	.01456
#3	.04565	.00153	.02371	.01444	.02347
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005

Sample Name: L051026403 Run Time: 10/14/05 14:46

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00785	.00159	4.6777	.02074	.04250
Stddev	.00636	.00678	.0266	.00129	.00183
%RSD	81.018	427.15	.56862	6.2310	4.2971
#1	.01056	.00308	4.6503	.01929	.04074
#2	.00058	-.00581	4.7034	.02177	.04238
#3	.01240	.00750	4.6795	.02115	.04438
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.82860	-.00604	.03310	.00965
Stddev	.00297	.00440	.00302	.00006
%RSD	.35861	72.825	9.1260	.59212
#1	.83162	-.00659	.03487	.00972
#2	.82849	-.01015	.03482	.00962
#3	.82568	-.00140	.02961	.00962
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051026403S Operator: SLP
Comment: WG198652-04
Run Time: 10/14/05 14:52 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	67.549	.18526	.19555	4.8111	.53265
Stddev	.490	.00162	.00399	.0276	.00311
%RSD	.72549	.87181	2.0391	.57322	.58412
#1	66.988	.18404	.19887	4.7846	.52906
#2	67.892	.18465	.19113	4.8396	.53450
#3	67.767	.18709	.19666	4.8090	.53439
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.02519	9.5724	.02649	.10516	.29120
Stddev	.00014	.0876	.00062	.00107	.00193
%RSD	.54864	.91517	2.3255	1.0208	.66231
#1	.02508	9.5011	.02607	.10393	.28911
#2	.02515	9.5458	.02620	.10590	.29291
#3	.02535	9.6702	.02719	.10566	.29158
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.26660	9.4273	23.819	.50286	5.1938
Stddev	.00391	.0317	.244	.00785	.1343
%RSD	1.4661	.33610	1.0246	1.5612	2.5849
#1	.26430	9.3911	23.557	.49386	5.0474
#2	.27111	9.4502	24.040	.50829	5.2228
#3	.26438	9.4405	23.861	.50643	5.3112
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.33591	.50114	24.645	.26462	.26956
Stddev	.00164	.00147	.285	.00253	.00320
%RSD	.48869	.29397	1.1554	.95549	1.1874
#1	.33402	.49954	24.376	.26192	.26594
#2	.33696	.50142	24.943	.26502	.27070
#3	.33675	.50245	24.615	.26693	.27203
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005

Sample Name: L051026403S Run Time: 10/14/05 14:52

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.55139	.20380	8.0998	.50001	.56228
Stddev	.00785	.00725	.0584	.00448	.00338
%RSD	1.4235	3.5581	.72127	.89540	.60055
#1	.55046	.21125	8.0408	.49628	.55839
#2	.54405	.20338	8.1576	.49876	.56406
#3	.55966	.19676	8.1012	.50497	.56439
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	1.8761	.23444	.52092	.47557
Stddev	.0132	.00990	.00545	.00251
%RSD	.70135	4.2219	1.0469	.52840
#1	1.8618	.22689	.51653	.47312
#2	1.8790	.24564	.51920	.47814
#3	1.8876	.23078	.52702	.47544
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051026403SD Operator: SLP
Comment: WG198652-05
Run Time: 10/14/05 14:58 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	68.713	.18868	.19667	4.8310	.53120
Stddev	.452	.00218	.00331	.0200	.00235
%RSD	.65740	1.1541	1.6838	.41332	.44239
#1	69.090	.19054	.19336	4.8082	.53344
#2	68.212	.18628	.19998	4.8401	.52875
#3	68.836	.18921	.19668	4.8449	.53139
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.02555	5.7746	.02630	.10490	.29358
Stddev	.00017	.0301	.00046	.00066	.00351
%RSD	.65842	.52218	1.7652	.62510	1.1966
#1	.02546	5.7753	.02682	.10435	.28957
#2	.02544	5.7441	.02612	.10472	.29511
#3	.02574	5.8044	.02595	.10562	.29607
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.26320	10.955	24.117	.51045	5.3512
Stddev	.00141	.032	.066	.00117	.1278
%RSD	.53600	.28964	.27170	.22915	2.3881
#1	.26482	10.929	24.185	.51019	5.2039
#2	.26249	10.991	24.054	.50944	5.4163
#3	.26229	10.946	24.112	.51173	5.4333
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.32365	.49797	24.990	.26808	.26375
Stddev	.00297	.00244	.089	.00067	.00506
%RSD	.91737	.48957	.35656	.25172	1.9178
#1	.32022	.49523	24.939	.26764	.26508
#2	.32527	.49991	24.938	.26773	.26801
#3	.32545	.49877	25.093	.26885	.25816
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005

Sample Name: L051026403SD Run Time: 10/14/05 14:58

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.54688	.20349	7.6528	.51926	.53566
Stddev	.00340	.00332	.1102	.00612	.00285
%RSD	.62182	1.6291	1.4395	1.1787	.53179
#1	.54441	.20731	7.5382	.51429	.53237
#2	.54546	.20160	7.6623	.52610	.53740
#3	.55076	.20155	7.7579	.51740	.53720
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	1.6783	.24246	.53425	.48029
Stddev	.0073	.01418	.00256	.00538
%RSD	.43549	5.8500	.47880	1.1211
#1	1.6810	.23474	.53294	.47420
#2	1.6700	.23382	.53261	.48223
#3	1.6838	.25883	.53719	.48443
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Pokrzywa

Method: CLP3 Sample Name: L051025601 Operator: SLP
Comment:
Run Time: 10/14/05 15:04 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	135.90	.03827	.16774	.19869	3.5980
Stddev	.07	.00102	.00804	.00199	.0090
%RSD	.04935	2.6541	4.7960	1.0035	.24900
#1	135.83	.03715	.15847	.19840	3.5900
#2	135.96	.03913	.17182	.20081	3.6077
#3	135.91	.03852	.17293	.19686	3.5963
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00697	981.62	.14904	.20096	1.3764
Stddev	.00007	6.81	.00066	.00317	.0066
%RSD	1.0118	.69355	.44081	1.5790	.47737
#1	.00695	975.38	.14828	.19739	1.3689
#2	.00692	988.88	.14945	.20344	1.3790
#3	.00705	980.59	.14939	.20206	1.3813
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	2.5852	504.41	17.895	.19676	274.68
Stddev	.0045	3.13	.136	.00165	1.63
%RSD	.17317	.62101	.76230	.83683	.59220
#1	2.5849	500.80	18.050	.19860	272.94
#2	2.5809	506.06	17.793	.19543	276.17
#3	2.5898	506.38	17.843	.19624	274.94
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	13.112	.26915	1.4574	.77342	7.5816
Stddev	.066	.00283	.0165	.00358	.0563
%RSD	.50495	1.0514	1.1353	.46288	.74284
#1	13.036	.26592	1.4757	.76929	7.5169
#2	13.147	.27122	1.4435	.77536	7.6078
#3	13.155	.27031	1.4530	.77562	7.6200
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005

Sample Name: L051025601 Run Time: 10/14/05 15:04

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.03541	L -.11387	6.3130	.22880	3.0094
Stddev	.00474	.02325	.0122	.00259	.0181
%RSD	13.396	20.422	.19342	1.1306	.60091
#1	.04088	-.13783	6.2993	.22673	2.9909
#2	.03272	-.11237	6.3168	.23170	3.0103
#3	.03262	-.09140	6.3228	.22798	3.0271
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	1.5043	L -.04508	.34416	24.348
Stddev	.0098	.00830	.00347	.122
%RSD	.64930	18.399	1.0093	.49953
#1	1.4946	-.04125	.34053	24.207
#2	1.5141	-.03940	.34746	24.412
#3	1.5042	-.05460	.34449	24.423
Check ?	LC Pass	LC Fail	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051025601SDL 0.2 Operator: SLP
Comment: WG198673-02
Run Time: 10/14/05 15:10 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	29.778	.00932	.03508	.04492	.76056
Stddev	.109	.00372	.00953	.00093	.00177
%RSD	.36564	39.895	27.157	2.0602	.23224
#1	29.698	.00824	.02408	.04518	.75923
#2	29.902	.00626	.04058	.04569	.76256
#3	29.734	.01345	.04058	.04389	.75989
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00152	223.57	.03173	.04763	.31070
Stddev	.00005	.91	.00104	.00032	.00090
%RSD	3.3397	.40824	3.2773	.66855	.29095
#1	.00149	223.21	.03087	.04799	.31048
#2	.00158	224.61	.03143	.04739	.30993
#3	.00150	222.90	.03288	.04750	.31170
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.54522	117.95	4.2238	.04654	58.632
Stddev	.00327	.16	.0326	.00019	.570
%RSD	.59916	.13525	.77122	.40744	.97247
#1	.54841	118.13	4.1867	.04638	58.058
#2	.54538	117.87	4.2368	.04650	58.638
#3	.54188	117.84	4.2479	.04675	59.199
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	3.2436	.06263	.34387	.18082	1.8405
Stddev	.0073	.00058	.00277	.00026	.0063
%RSD	.22547	.93241	.80528	.14601	.34264
#1	3.2422	.06198	.34083	.18076	1.8478
#2	3.2370	.06310	.34451	.18110	1.8368
#3	3.2514	.06281	.34625	.18058	1.8369
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005

Sample Name: L051025601SDL 0.2 Run Time: 10/14/05 15:10

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00921	L -.03108	1.4754	.05283	.72724
Stddev	.00102	.00841	.0081	.00164	.00159
%RSD	11.028	27.044	.55038	3.1101	.21887
#1	.00980	-.02488	1.4681	.05345	.72907
#2	.00980	-.04065	1.4842	.05097	.72625
#3	.00804	-.02772	1.4740	.05407	.72638
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.32467	-.01043	.07333	5.6950
Stddev	.00064	.00626	.00191	.0138
%RSD	.19860	60.074	2.6103	.24314
#1	.32516	-.01105	.07192	5.6837
#2	.32491	-.01636	.07257	5.6909
#3	.32394	-.00387	.07551	5.7105
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051025601SDL 0.04 Operator: SLP
Comment: WG198673-02
Run Time: 10/14/05 15:16 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	5.9947	.00165	.00169	.00713	.15152
Stddev	.0741	.00301	.00353	.00054	.00041
%RSD	1.2356	181.71	208.89	7.6282	.26905
#1	6.0122	-.00149	-.00234	.00700	.15193
#2	5.9135	.00196	.00316	.00773	.15112
#3	6.0585	.00450	.00426	.00667	.15151
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00032	45.739	.00637	.00990	.06679
Stddev	.00002	.163	.00086	.00078	.00038
%RSD	6.5955	.35645	13.513	7.8291	.57350
#1	.00030	45.891	.00721	.00998	.06722
#2	.00034	45.760	.00642	.01064	.06667
#3	.00031	45.567	.00549	.00909	.06648
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.10813	25.307	.83164	.00941	11.533
Stddev	.00173	.051	.01525	.00004	.127
%RSD	1.5972	.20324	1.8341	.43133	1.0987
#1	.10983	25.366	.82479	.00944	11.397
#2	.10819	25.269	.82102	.00936	11.553
#3	.10637	25.287	.84912	.00942	11.648
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.71257	.01028	.05027	.03828	.41010
Stddev	.00246	.00262	.00251	.00112	.00519
%RSD	.34498	25.521	4.9898	2.9148	1.2647
#1	.71521	.01191	.05051	.03952	.41244
#2	.71034	.00725	.04764	.03796	.40415
#3	.71216	.01167	.05264	.03736	.41370
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005
Sheri L. Pokorny

Sample Name: L051025601SDL 0.04 Run Time: 10/14/05 15:16

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00018	L -.02431	.31138	.00915	.16308
Stddev	.00274	.00369	.00472	.00313	.00158
%RSD	1531.1	15.163	1.5150	34.179	.96851
#1	.00281	-.02701	.31683	.00625	.16317
#2	-.00256	-.02011	.30852	.01246	.16461
#3	-.00078	-.02582	.30880	.00873	.16146
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.06603	-.00845	.01270	1.2054
Stddev	.00032	.01025	.00074	.0060
%RSD	.48707	121.36	5.8600	.49694
#1	.06615	-.01201	.01226	1.2111
#2	.06628	.00311	.01356	1.1992
#3	.06567	-.01644	.01228	1.2059
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051025601PS 0.9 Operator: SLP
Comment: WG198673-01
Run Time: 10/14/05 15:22 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	127.84	.22176	.32162	4.1690	3.6987
Stddev	.49	.02571	.02570	.5473	.0422
%RSD	.38196	11.594	7.9899	13.128	1.1397
#1	128.35	.19831	.29886	3.6269	3.6583
#2	127.80	.21772	.31653	4.1586	3.6954
#3	127.38	.24925	.34949	4.7214	3.7424
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.02841	897.97	.15911	.26336	1.4489
Stddev	.00321	8.23	.00183	.01044	.0150
%RSD	11.304	.91668	1.1510	3.9642	1.0383
#1	.02519	905.14	.15761	.25238	1.4328
#2	.02844	899.80	.15855	.26453	1.4512
#3	.03161	888.98	.16115	.27317	1.4627
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	2.5877	464.48	37.147	.57757	250.92
Stddev	.0118	2.69	2.756	.05846	2.17
%RSD	.45439	.57990	7.4196	10.121	.86508
#1	2.5812	466.15	34.693	.52555	253.12
#2	2.5807	465.92	36.620	.56633	250.85
#3	2.6013	461.37	40.129	.64083	248.78
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	12.198	.65468	22.031	.90119	7.2520
Stddev	.073	.05294	2.888	.02219	.0216
%RSD	.60043	8.0862	13.108	2.4623	.29726
#1	12.260	.60072	19.338	.87870	7.2278
#2	12.217	.65678	21.673	.90182	7.2691
#3	12.117	.70653	25.081	.92306	7.2592
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005

Sample Name: L051025601PS 0.9 Run Time: 10/14/05 15:22

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.54664	.07652	7.7000	.20893	3.1690
Stddev	.06988	.04131	.1233	.00342	.0539
%RSD	12.784	53.990	1.6014	1.6370	1.7016
#1	.47674	.03273	7.5676	.20561	3.1161
#2	.54667	.08202	7.7207	.21244	3.1670
#3	.61651	.11480	7.8116	.20872	3.2239
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	1.8017	.14528	.74818	22.547
Stddev	.0503	.01762	.06513	.180
%RSD	2.7933	12.130	8.7050	.79943
#1	1.7516	.13502	.68309	22.701
#2	1.8012	.13519	.74809	22.592
#3	1.8523	.16563	.81335	22.349
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051025602 Operator: SLP
Comment:
Run Time: 10/14/05 15:28 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	149.59	.04203	.17077	.16916	3.2794
Stddev	.46	.00296	.00503	.00139	.0107
%RSD	.30869	7.0501	2.9467	.82389	.32563
#1	149.73	.04510	.17183	.16763	3.2731
#2	149.97	.03918	.16530	.16949	3.2918
#3	149.08	.04180	.17519	.17035	3.2734
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00729	H 1032.7	.12479	.19356	1.3827
Stddev	.00009	.5	.00031	.00059	.0044
%RSD	1.1677	.05232	.24670	.30528	.32105
#1	.00723	1033.1	.12467	.19412	1.3786
#2	.00738	1032.9	.12514	.19361	1.3874
#3	.00725	1032.1	.12457	.19294	1.3819
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	2.7604	515.67	17.801	.22654	226.85
Stddev	.0113	1.35	.127	.00116	.95
%RSD	.41043	.26090	.71588	.51241	.41907
#1	2.7605	514.19	17.808	.22616	225.85
#2	2.7717	516.81	17.924	.22784	227.75
#3	2.7490	516.03	17.670	.22562	226.94
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	15.160	.23377	1.6781	.76360	6.6834
Stddev	.037	.00038	.0096	.00217	.0175
%RSD	.24208	.16189	.57186	.28358	.26134
#1	15.119	.23359	1.6789	.76115	6.6654
#2	15.190	.23420	1.6873	.76440	6.6846
#3	15.170	.23351	1.6682	.76525	6.7003
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005
Sheri L. Blakeslee

Sample Name: L051025602 Run Time: 10/14/05 15:28

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.03285	L -.11696	4.9348	.23729	7.6412
Stddev	.00334	.01888	.0119	.00407	.0338
%RSD	10.164	16.141	.24032	1.7168	.44239
#1	.03521	-.09519	4.9325	.23356	7.6037
#2	.03430	-.12695	4.9476	.23667	7.6694
#3	.02903	-.12875	4.9242	.24164	7.6504
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	1.3237	-.03612	.36464	24.633
Stddev	.0025	.00488	.00179	.071
%RSD	.18660	13.516	.49059	.28883
#1	1.3232	-.03137	.36343	24.553
#2	1.3264	-.03588	.36380	24.690
#3	1.3215	-.04113	.36670	24.656
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: CCV Operator:
Comment:
Run Time: 10/14/05 15:34 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	10.288	.39084	.39956	9.4429	1.0506
Stddev	.091	.00177	.00382	.0148	.0049
%RSD	.88610	.45261	.95680	.15713	.46141
#1	10.195	.38946	.40177	9.4278	1.0450
#2	10.291	.39283	.40177	9.4435	1.0533
#3	10.378	.39022	.39515	9.4575	1.0535
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	.40000	.40000	10.000	1.0000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04862	9.8132	.05158	.20122	.48989
Stddev	.00019	.0397	.00035	.00092	.00152
%RSD	.39159	.40455	.68270	.45605	.31013
#1	.04840	9.7705	.05120	.20184	.49147
#2	.04871	9.8201	.05164	.20165	.48977
#3	.04875	9.8490	.05190	.20017	.48844
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.05000	10.000	.05000	.20000	.50000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.51101	4.0625	51.569	1.0232	9.5546
Stddev	.00164	.0160	.745	.0164	.0611
%RSD	.32178	.39425	1.4454	1.6064	.63939
#1	.50927	4.0693	50.739	1.0045	9.6132
#2	.51121	4.0739	51.786	1.0296	9.4913
#3	.51254	4.0442	52.182	1.0355	9.5592
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	4.0000	50.000	1.0000	10.000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.49500	1.0242	51.495	.50655	.52149
Stddev	.00051	.0008	.742	.00202	.00356
%RSD	.10394	.07538	1.4407	.39938	.68212
#1	.49472	1.0246	50.669	.50422	.52558
#2	.49560	1.0247	51.709	.50759	.51914
#3	.49469	1.0233	52.106	.50784	.51974
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	1.0000	50.000	.50000	.50000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Approved: October 17, 2005
Sheri L. Blakgard

Sample Name: CCV Run Time: 10/14/05 15:34

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.1903	.39598	Q -.00240	1.0333	1.0134
Stddev	.0049	.01057	.00070	.0068	.0059
%RSD	.41127	2.6698	29.130	.65946	.58421
#1	1.1940	.40674	-.00171	1.0372	1.0108
#2	1.1922	.38561	-.00239	1.0372	1.0201
#3	1.1848	.39559	-.00311	1.0254	1.0091
Check ?	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	1.2000	.40000	5.0000	1.0000	1.0000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.97903	.49200	.97715	.97071
Stddev	.00269	.00589	.00529	.00141
%RSD	.27481	1.1968	.54152	.14494
#1	.97638	.48622	.97104	.96909
#2	.98176	.49179	.98027	.97138
#3	.97896	.49799	.98014	.97165
Check ?	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.50000	1.0000	1.0000
Range	10.000%	10.000%	10.000%	10.000%

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: CCB Operator:
Comment:
Run Time: 10/14/05 15:40 Type: Blank Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00288	-.00067	-.00038	.00051	.00019
Stddev	.01822	.00053	.00796	.00144	.00012
%RSD	632.00	79.827	2099.7	280.47	64.442
#1	.02113	-.00095	.00366	.00140	.00024
#2	-.01530	-.00005	-.00955	.00130	.00005
#3	.00281	-.00100	.00475	-.00115	.00027
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.20000	.00500	.01000	.05000	.00250
Low Limit	-.20000	-.00500	-.01000	-.05000	-.00250

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00000	.00499	-.00062	.00016	-.00014
Stddev	.0000	.01162	.00028	.00015	.00077
%RSD	1331.1	232.72	44.460	94.813	552.98
#1	-.00002	.01282	-.00031	.00000	.00072
#2	-.00003	-.00836	-.00070	.00030	-.00075
#3	.00004	.01052	-.00085	.00019	-.00039
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00025	.05000	.00100	.00250	.00250
Low Limit	-.00025	-.05000	-.00100	-.00250	-.00250

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00186	.00285	-.00467	.00008	-.06330
Stddev	.00071	.00362	.00520	.00019	.03579
%RSD	38.275	126.86	111.35	227.32	56.545
#1	.00264	.00688	-.01037	.00025	-.07472
#2	.00171	-.00011	-.00347	.00013	-.02319
#3	.00124	.00178	-.00017	-.00012	-.09198
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.01000	.02000	.25000	.05000	.10000
Low Limit	-.01000	-.02000	-.25000	-.05000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00003	.00129	-.01235	-.00153	-.00405
Stddev	.00007	.00055	.00288	.00036	.00386
%RSD	234.68	42.758	23.311	23.494	95.228
#1	-.00005	.00066	-.00952	-.00182	-.00363
#2	.00005	.00154	-.01224	-.00164	-.00042
#3	.00008	.00167	-.01528	-.00113	-.00810
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00250	.05000	.10000	.01000	.01000
Low Limit	-.00250	-.05000	-.10000	-.01000	-.01000

Approved: October 17, 2005

Sample Name: CCB Run Time: 10/14/05 15:40

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00392	L -.01619	-.00027	-.00183	-.00110
Stddev	.00186	.01093	.00063	.00285	.00107
%RSD	47.311	67.519	231.96	155.84	96.623
#1	.00577	-.01285	.00045	.00128	-.00232
#2	.00392	-.02840	-.00053	-.00245	-.00066
#3	.00206	-.00731	-.00074	-.00431	-.00033
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	.02000	.01000	.25000	.20000	.00500
Low Limit	-.02000	-.01000	-.25000	-.20000	-.00500

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.00040	-.00011	-.00131	.00046
Stddev	.00011	.00175	.00195	.00012
%RSD	27.291	1538.7	148.38	25.818
#1	.00030	.00166	-.00132	.00046
#2	.00037	-.00184	.00064	.00033
#3	.00051	-.00016	-.00326	.00057
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.01500	.02000	.00728	.01000
Low Limit	-.01500	-.02000	-.00728	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051025601PS 0.2 Operator: SLP
Comment: WG198673-01
Run Time: 10/14/05 15:46 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	34.163	.19752	.23977	4.9238	1.2285
Stddev	.047	.00110	.00336	.0162	.0033
%RSD	.13778	.55799	1.4009	.32938	.27224
#1	34.126	.19778	.24344	4.9282	1.2287
#2	34.216	.19632	.23684	4.9374	1.2318
#3	34.147	.19848	.23904	4.9058	1.2251
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.02518	224.68	.05701	.14087	.53294
Stddev	.00006	.93	.00080	.00143	.00031
%RSD	.23088	.41404	1.3967	1.0158	.05757
#1	.02518	223.82	.05643	.14012	.53324
#2	.02523	225.67	.05792	.14252	.53263
#3	.02512	224.54	.05668	.13997	.53296
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.77978	117.22	28.069	.52330	60.893
Stddev	.00281	.63	.106	.00449	.270
%RSD	.36032	.53605	.37678	.85794	.44265
#1	.77706	116.67	28.187	.52707	60.898
#2	.78267	117.90	27.982	.51833	60.621
#3	.77962	117.09	28.039	.52451	61.160
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	3.3716	.54713	24.760	.41344	2.0455
Stddev	.0049	.00538	.130	.00099	.0196
%RSD	.14539	.98266	.52664	.24021	.95816
#1	3.3665	.54334	24.894	.41234	2.0336
#2	3.3719	.55329	24.634	.41426	2.0681
#3	3.3763	.54478	24.751	.41372	2.0348
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005

Sample Name: L051025601PS 0.2 Run Time: 10/14/05 15:46

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.59285	.18604	3.7715	.05283	1.1902
Stddev	.00661	.00762	.0298	.00248	.0104
%RSD	1.1150	4.0971	.79019	4.7020	.87499
#1	.59619	.17922	3.8028	.05034	1.1825
#2	.58524	.18463	3.7435	.05283	1.2020
#3	.59713	.19427	3.7684	.05531	1.1861
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.80250	.22347	.53518	5.9658
Stddev	.00389	.00739	.00256	.0180
%RSD	.48498	3.3089	.47856	.30241
#1	.80494	.22577	.53223	5.9861
#2	.80454	.22944	.53651	5.9516
#3	.79801	.21520	.53680	5.9597
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: CCV Operator:
Comment:
Run Time: 10/14/05 15:52 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	10.249	.39089	.39919	9.4080	1.0512
Stddev	.041	.00478	.00509	.0562	.0022
%RSD	.39910	1.2240	1.2748	.59706	.20499
#1	10.280	.38592	.39625	9.3475	1.0496
#2	10.265	.39546	.39625	9.4180	1.0504
#3	10.203	.39128	.40507	9.4585	1.0537
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	.40000	.40000	10.000	1.0000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04875	9.8532	.05142	.20145	.48827
Stddev	.00049	.0854	.00027	.00069	.00392
%RSD	1.0058	.86663	.51799	.34072	.80238
#1	.04819	9.7577	.05132	.20188	.48374
#2	.04897	9.8796	.05122	.20066	.49051
#3	.04909	9.9222	.05172	.20180	.49054
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.05000	10.000	.05000	.20000	.50000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.51232	4.0549	51.058	1.0097	9.4093
Stddev	.00125	.0086	.267	.0113	.1826
%RSD	.24316	.21175	.52237	1.1147	1.9407
#1	.51322	4.0460	51.259	1.0213	9.2067
#2	.51283	4.0631	51.160	1.0091	9.5612
#3	.51090	4.0555	50.755	.99881	9.4600
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	4.0000	50.000	1.0000	10.000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.49366	1.0229	50.960	.50499	.52064
Stddev	.00289	.0091	.382	.00197	.01044
%RSD	.58583	.89002	.74875	.39088	2.0047
#1	.49036	1.0124	51.324	.50275	.51335
#2	.49482	1.0276	50.994	.50577	.53260
#3	.49579	1.0287	50.563	.50646	.51599
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	1.0000	50.000	.50000	.50000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Approved: October 17, 2005
Sheri L. Blakgard

Sample Name: CCV Run Time: 10/14/05 15:52

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.1870	.40202	Q -.00279	1.0341	1.0110
Stddev	.0074	.00386	.00097	.0068	.0029
%RSD	.62364	.96057	34.560	.66060	.29179
#1	1.1793	.40267	-.00224	1.0273	1.0115
#2	1.1876	.39787	-.00391	1.0341	1.0137
#3	1.1941	.40551	-.00223	1.0410	1.0078
Check ?	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	1.2000	.40000	5.0000	1.0000	1.0000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.98043	.48667	.97728	.96481
Stddev	.00558	.00672	.01047	.00974
%RSD	.56901	1.3817	1.0710	1.0091
#1	.97440	.47892	.96519	.95411
#2	.98145	.49010	.98349	.96718
#3	.98542	.49099	.98315	.97314
Check ?	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.50000	1.0000	1.0000
Range	10.000%	10.000%	10.000%	10.000%

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: CCB Operator:
Comment:
Run Time: 10/14/05 15:58 Type: Blank Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.01048	-.00126	-.00222	.00070	.00002
Stddev	.01797	.00201	.00354	.00099	.00008
%RSD	171.45	159.82	159.32	141.47	413.15
#1	.01016	-.00271	.00035	.00170	.00010
#2	-.01893	-.00209	-.00626	.00069	.00003
#3	-.02267	.00103	-.00076	-.00028	-.00007
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.20000	.00500	.01000	.05000	.00250
Low Limit	-.20000	-.00500	-.01000	-.05000	-.00250

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00001	.00316	-.00023	.00013	-.00023
Stddev	.00002	.01208	.00062	.00059	.00019
%RSD	242.56	382.73	271.40	475.04	84.306
#1	.00002	.01373	.00038	.00076	-.00002
#2	-.00002	-.01001	-.00086	.00004	-.00027
#3	-.00002	.00574	-.00020	-.00042	-.00039
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00025	.05000	.00100	.00250	.00250
Low Limit	-.00025	-.05000	-.00100	-.00250	-.00250

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00101	.00343	-.00881	.00009	-.00523
Stddev	.00023	.00648	.00950	.00026	.05267
%RSD	22.828	188.89	107.90	303.09	1007.9
#1	.00124	-.00405	.00018	-.00008	-.05758
#2	.00101	.00717	-.01875	.00039	-.00585
#3	.00078	.00717	-.00784	-.00005	.04775
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.01000	.02000	.25000	.05000	.10000
Low Limit	-.01000	-.02000	-.25000	-.05000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00032	.00044	-.00785	-.00023	-.00107
Stddev	.00006	.00101	.00355	.00092	.00110
%RSD	18.223	228.54	45.253	398.03	103.20
#1	.00026	.00053	-.00450	.00026	.00020
#2	.00037	-.00061	-.00748	-.00130	-.00170
#3	.00034	.00141	-.01158	.00034	-.00170
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00250	.05000	.10000	.01000	.01000
Low Limit	-.00250	-.05000	-.10000	-.01000	-.01000

Approved: October 17, 2005

Sample Name: CCB Run Time: 10/14/05 15:58

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00151	L -.01472	.00109	-.00038	-.00166
Stddev	.00189	.00704	.00270	.00404	.00159
%RSD	124.81	47.795	248.59	1071.0	95.681
#1	.00037	-.01066	.00419	.00376	-.00266
#2	-.00340	-.02285	-.00019	-.00431	-.00249
#3	-.00151	-.01067	-.00074	-.00058	.00017
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	.02000	.01000	.25000	.20000	.00500
Low Limit	-.02000	-.01000	-.25000	-.20000	-.00500

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.00066	.00697	-.00195	.00157
Stddev	.00050	.00317	.00117	.00025
%RSD	75.574	45.541	59.964	15.801
#1	.00087	.01049	-.00326	.00141
#2	.00009	.00433	-.00099	.00144
#3	.00101	.00610	-.00162	.00186
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.01500	.02000	.00728	.01000
Low Limit	-.01500	-.02000	-.00728	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051025903 Operator: SLP
Comment:
Run Time: 10/14/05 16:04 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	39.876	.00651	.15525	.09747	1.3239
Stddev	.063	.00131	.00379	.00025	.0048
%RSD	.15740	20.173	2.4435	.25835	.36451
#1	39.807	.00778	.15306	.09762	1.3192
#2	39.890	.00516	.15306	.09762	1.3288
#3	39.930	.00658	.15963	.09718	1.3239
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01829	69.855	.00338	.09696	.11740
Stddev	.00006	.073	.00034	.00029	.00059
%RSD	.33904	.10402	10.159	.29891	.50136
#1	.01830	69.927	.00327	.09693	.11750
#2	.01823	69.855	.00376	.09727	.11793
#3	.01835	69.782	.00310	.09670	.11677
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.27675	126.73	4.2058	.06265	7.3330
Stddev	.00273	.48	.0404	.00063	.0966
%RSD	.98506	.38211	.96106	1.0038	1.3180
#1	.27730	126.63	4.1708	.06207	7.3974
#2	.27916	127.26	4.1967	.06255	7.2219
#3	.27379	126.30	4.2500	.06332	7.3797
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.95199	.01151	.99671	.16431	.44915
Stddev	.00200	.00120	.00829	.00133	.00664
%RSD	.21014	10.393	.83209	.80906	1.4772
#1	.95206	.01244	.98942	.16459	.44172
#2	.95395	.01193	.99499	.16547	.45448
#3	.94996	.01016	1.0057	.16286	.45126
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005
Sheri L. Blakeslee

Sample Name: L051025903 Run Time: 10/14/05 16:04

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01088	.01531	6.1804	.02736	.87052
Stddev	.00594	.00828	.0236	.00186	.00943
%RSD	54.619	54.070	.38241	6.8093	1.0837
#1	.01668	.02119	6.1934	.02923	.87257
#2	.01115	.00584	6.1531	.02736	.87876
#3	.00481	.01889	6.1947	.02550	.86023
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	1.6358	-.03932	.18051	.84227
Stddev	.0030	.00708	.00161	.00044
%RSD	.18297	18.012	.89239	.05217
#1	1.6356	-.03394	.18237	.84223
#2	1.6388	-.03667	.17943	.84272
#3	1.6328	-.04734	.17975	.84185
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051026401 Operator: SLP
Comment:
Run Time: 10/14/05 16:10 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	8.1099	-.00089	.00080	.01693	.13028
Stddev	.0780	.00120	.00064	.00034	.00048
%RSD	.96184	135.07	80.528	2.0032	.36959
#1	8.0724	.00039	.00154	.01655	.12980
#2	8.1995	-.00108	.00042	.01720	.13026
#3	8.0577	-.00197	.00043	.01704	.13076
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00019	25.100	.00136	.00223	.02734
Stddev	.00001	.044	.00025	.00009	.00049
%RSD	7.1654	.17618	18.682	3.8438	1.7771
#1	.00019	25.058	.00155	.00213	.02679
#2	.00018	25.095	.00146	.00228	.02752
#3	.00020	25.146	.00107	.00228	.02770
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.05276	8.0691	.74965	.00411	1.8361
Stddev	.00168	.0530	.01074	.00014	.0464
%RSD	3.1838	.65667	1.4322	3.4504	2.5288
#1	.05469	8.0094	.74235	.00411	1.7834
#2	.05168	8.1104	.76197	.00426	1.8541
#3	.05189	8.0875	.74461	.00398	1.8709
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.38758	.00147	.11907	.00694	.20259
Stddev	.00273	.00007	.00404	.00066	.00072
%RSD	.70312	5.0080	3.3971	9.4417	.35399
#1	.38450	.00152	.11638	.00619	.20177
#2	.38856	.00139	.12372	.00723	.20298
#3	.38968	.00151	.11711	.00740	.20304
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005

Sample Name: L051026401 Run Time: 10/14/05 16:10

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00540	-.01246	4.0188	.01826	.23611
Stddev	.00468	.00170	.0279	.00129	.00120
%RSD	86.728	13.615	.69332	7.0847	.50925
#1	.00937	-.01430	4.0090	.01929	.23481
#2	.00024	-.01097	3.9971	.01867	.23719
#3	.00657	-.01210	4.0502	.01681	.23634
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.99846	-.00978	.03331	.14584
Stddev	.00361	.00537	.00163	.00098
%RSD	.36193	54.929	4.9015	.67375
#1	.99444	-.00916	.03493	.14474
#2	.99950	-.00475	.03334	.14618
#3	1.0014	-.01544	.03167	.14661
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051026402 Operator: SLP
Comment:
Run Time: 10/14/05 16:16 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	11.737	-.00013	.00364	.00846	.06015
Stddev	.013	.00042	.00505	.00042	.00007
%RSD	.11219	315.96	138.66	4.9426	.11381
#1	11.728	-.00057	-.00187	.00840	.06023
#2	11.731	.00028	.00475	.00808	.06010
#3	11.752	-.00012	.00805	.00891	.06012
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00015	9.4162	.00044	.00159	.02184
Stddev	.00007	.0511	.00043	.00049	.00023
%RSD	45.925	.54261	97.791	31.018	1.0615
#1	.00012	9.3573	.00092	.00104	.02203
#2	.00023	9.4485	.00013	.00176	.02159
#3	.00010	9.4428	.00026	.00198	.02192
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01556	7.6151	.61499	.00552	.83741
Stddev	.00144	.0602	.00788	.00018	.06079
%RSD	9.2837	.78983	1.2819	3.2544	7.2589
#1	.01441	7.5487	.62352	.00535	.80244
#2	.01510	7.6305	.61347	.00550	.80219
#3	.01718	7.6660	.60798	.00571	.90760
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.08694	.00074	.17917	.00852	.17620
Stddev	.00051	.00140	.00097	.00009	.00314
%RSD	.59199	187.66	.54058	1.0148	1.7810
#1	.08635	.00235	.17948	.00843	.17409
#2	.08729	-.00018	.17994	.00860	.17471
#3	.08717	.00007	.17808	.00852	.17981
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005
Sheri L. Pokorny

Sample Name: L051026402 Run Time: 10/14/05 16:16

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00239	-.00810	4.7888	.01743	.04130
Stddev	.00231	.00511	.0079	.00124	.00130
%RSD	96.738	63.093	.16540	7.1238	3.1561
#1	.00025	-.01257	4.7857	.01619	.03987
#2	.00484	-.00920	4.7978	.01867	.04158
#3	.00207	-.00253	4.7830	.01743	.04243
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.99847	-.00954	.04060	.11030
Stddev	.00251	.00844	.00284	.00028
%RSD	.25153	88.441	6.9901	.25649
#1	.99558	-.01928	.04225	.10999
#2	.99970	-.00506	.04222	.11055
#3	1.0001	-.00429	.03732	.11035
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051026404 Operator: SLP
Comment:
Run Time: 10/14/05 16:22 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	2.6070	.00030	.00144	.00342	.04224
Stddev	.0311	.00089	.00292	.00069	.00017
%RSD	1.1920	297.33	201.91	20.109	.39749
#1	2.5790	-.00047	.00255	.00293	.04236
#2	2.6404	.00127	.00365	.00313	.04205
#3	2.6016	.00009	-.00186	.00421	.04230
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00006	3.4671	.00016	.00051	.00518
Stddev	.00002	.0286	.00071	.00015	.00030
%RSD	25.235	.82480	442.82	29.929	5.8183
#1	.00007	3.4411	-.00039	.00054	.00552
#2	.00004	3.4978	.00096	.00035	.00504
#3	.00007	3.4626	-.00009	.00065	.00497
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00728	1.4017	.38241	.00058	.49783
Stddev	.00217	.0039	.00745	.00014	.02679
%RSD	29.780	.27680	1.9480	24.295	5.3814
#1	.00627	1.3983	.37695	.00051	.46855
#2	.00581	1.4009	.37938	.00048	.52112
#3	.00977	1.4059	.39090	.00074	.50381
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.03914	.00065	.06757	.00262	.04630
Stddev	.00026	.00117	.00206	.00120	.00097
%RSD	.65353	179.82	3.0445	45.923	2.0894
#1	.03885	-.00002	.06565	.00322	.04716
#2	.03925	-.00003	.06974	.00339	.04649
#3	.03932	.00200	.06733	.00123	.04525
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005

Sample Name: L051026404 Run Time: 10/14/05 16:22

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00396	-.01032	1.3827	.01929	.02315
Stddev	.00180	.00740	.0072	.00329	.00216
%RSD	45.545	71.655	.51738	17.033	9.3500
#1	.00573	-.00846	1.3769	.01680	.02542
#2	.00403	-.00404	1.3806	.02301	.02293
#3	.00213	-.01847	1.3907	.01805	.02111
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.29361	-.00471	.00663	.02622
Stddev	.00144	.00206	.00085	.00047
%RSD	.49072	43.682	12.889	1.7792
#1	.29254	-.00709	.00630	.02569
#2	.29304	-.00351	.00760	.02659
#3	.29525	-.00354	.00599	.02637
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051027701 Operator: SLP
Comment:
Run Time: 10/14/05 16:28 Type: Unk Mode: CONC Corr.Fact: 1.000000

Run Status: A Torch Failure Occurred

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	k 36.255	k .02902	k .00769	k .08014	.11136
Stddev	31.933	.02431	.00254	.01130	.09707
%RSD	88.078	83.772	33.069	14.104	87.164
#1	k 48.875	k .03871	k .00475	k .08351	.15260
#2	k 59.949	k .04698	k .00916	k .08937	.18099
#3	k -.05906	k .00136	k .00916	k .06754	.00048
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	k -.00013	kH 1019.8	k .83782	^ *****	k .11075
Stddev	.00004	884.2	.01862	-----	.00631
%RSD	30.337	86.709	2.2230	-----	5.6982
#1	k -.00016	k 1481.9	k .81711	k 2.9006	k .10586
#2	k -.00013	k 1577.3	k .85318	k 2.9188	k .10852
#3	k -.00008	k .235	k .84318	^ -----	k .11788
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	k .18337	^ *****	.51063	k .01221	k 3.4788
Stddev	.16533	-----	.46345	.01233	3.0940
%RSD	90.161	-----	90.759	100.99	88.939
#1	k .24051	k 71.041	.64938	k .01639	k 4.9402
#2	k .31256	k 72.609	.88886	k .02192	k 5.5714
#3	k -.00295	^ -----	-.00634	k -.00167	k -.07524
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	k 1.4781	k -.01968	2.2322	k .07154	kH 1726.1
Stddev	.0418	.00536	2.0513	.01217	332.1
%RSD	2.8305	27.248	91.896	17.017	19.241
#1	k 1.4371	k -.01745	2.8353	k .06379	k 1532.9
#2	k 1.4766	k -.01580	3.9144	k .06526	k 1535.8
#3	k 1.5207	k -.02580	-.05306	k .08558	k 2109.6
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Fail
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005
Sheri L. Blakgard

Sample Name: L051027701 Run Time: 10/14/05 16:28

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	kL -.07700	kL -.04503	k 1.9552	.07436	k 4.6601
Stddev	.02780	.00777	.1726	.02360	1.1652
%RSD	36.110	17.255	8.8279	31.744	25.003
#1	k -.06321	k -.03615	k 1.9631	.06463	k 4.0569
#2	k -.05878	k -.04836	k 2.1237	.05718	k 3.9201
#3	k -.10900	k -.05058	k 1.7788	.10127	k 6.0032
Check ?	LC Fail	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	k 6.1394	k -.02940	k .00633	^ *****
Stddev	5.3263	.00235	.03797	-----
%RSD	86.756	7.9927	599.84	-----
#1	k 8.6642	k -.03206	k .02387	^ -----
#2	k 9.7338	k -.02762	k .03236	^ -----
#3	k .02019	k -.02851	k -.03724	^ -----
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: CCV Operator:
Comment:
Run Time: 10/14/05 17:01 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	9.5541	.40179	.41353	9.6129	1.0648
Stddev	.0978	.00080	.00336	.0074	.0012
%RSD	1.0236	.19856	.81316	.07656	.10886
#1	9.4414	.40187	.41059	9.6204	1.0639
#2	9.6051	.40096	.41281	9.6126	1.0644
#3	9.6159	.40255	.41720	9.6057	1.0661
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	.40000	.40000	10.000	1.0000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.05081	10.079	.05031	.20351	.50910
Stddev	.00018	.018	.00056	.00014	.00250
%RSD	.34827	.17693	1.1160	.06956	.49049
#1	.05093	10.091	.05089	.20366	.51181
#2	.05060	10.086	.04977	.20338	.50859
#3	.05088	10.058	.05028	.20350	.50689
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.05000	10.000	.05000	.20000	.50000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.49680	4.1148	Q 42.730	Q .81261	10.035
Stddev	.00290	.0195	.259	.00577	.070
%RSD	.58315	.47430	.60539	.70973	.69672
#1	.49388	4.1321	42.564	.80913	10.076
#2	.49685	4.0937	42.598	.80942	10.075
#3	.49967	4.1187	43.028	.81926	9.9544
Check ?	QC Pass	QC Pass	QC Fail	QC Fail	QC Pass
Value	.50000	4.0000	50.000	1.0000	10.000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.51132	1.0464	Q 42.302	.52129	.51225
Stddev	.00193	.0044	.259	.00222	.00255
%RSD	.37722	.42413	.61219	.42670	.49711
#1	.51338	1.0473	42.161	.52270	.50996
#2	.50956	1.0416	42.145	.51873	.51499
#3	.51101	1.0503	42.601	.52244	.51181
Check ?	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	.50000	1.0000	50.000	.50000	.50000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Approved: October 17, 2005
Sheri L. Pokorny

Sample Name: CCV Run Time: 10/14/05 17:01

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.2083	.38438	Q -.00615	1.0662	1.0186
Stddev	.0037	.00063	.00052	.0031	.0034
%RSD	.30400	.16398	8.4175	.28730	.33149
#1	1.2044	.38469	-.00557	1.0683	1.0203
#2	1.2117	.38479	-.00630	1.0677	1.0147
#3	1.2089	.38365	-.00658	1.0627	1.0207
Check ?	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	1.2000	.40000	5.0000	1.0000	1.0000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	1.0009	.51744	1.0203	1.0082
Stddev	.0015	.00575	.0069	.0027
%RSD	.15003	1.1105	.67355	.27072
#1	.99920	.51257	1.0272	1.0112
#2	1.0020	.52378	1.0135	1.0076
#3	1.0015	.51598	1.0203	1.0059
Check ?	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.50000	1.0000	1.0000
Range	10.000%	10.000%	10.000%	10.000%

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: CCB Operator:
Comment:
Run Time: 10/14/05 17:07 Type: Blank Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00568	-.00025	-.00185	-.00020	-.00007
Stddev	.02371	.00219	.00961	.00134	.00007
%RSD	417.21	863.46	518.72	661.10	94.540
#1	.01739	-.00215	.00477	.00130	-.00011
#2	-.02999	.00214	-.01287	-.00065	.00001
#3	-.00446	-.00076	.00254	-.00126	-.00011
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.20000	.00500	.01000	.05000	.00250
Low Limit	-.20000	-.00500	-.01000	-.05000	-.00250

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00000	.01425	-.00028	.00011	-.00018
Stddev	.0000	.00640	.00027	.00056	.00041
%RSD	559.84	44.883	98.922	501.25	230.69
#1	.00001	.00813	-.00046	-.00053	.00002
#2	-.00002	.01373	.00004	.00038	-.00064
#3	.00000	.02089	-.00041	.00049	.00009
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00025	.05000	.00100	.00250	.00250
Low Limit	-.00025	-.05000	-.00100	-.00250	-.00250

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00071	-.00412	-.01500	.00021	.00650
Stddev	.00105	.00849	.00719	.00005	.02623
%RSD	148.56	206.04	47.896	24.938	403.43
#1	.00030	.00457	-.01986	.00015	-.02184
#2	-.00179	-.00453	-.00675	.00026	.01142
#3	-.00063	-.01240	-.01840	.00022	.02993
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.01000	.02000	.25000	.05000	.10000
Low Limit	-.01000	-.02000	-.25000	-.05000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00014	.00061	-.02178	-.00035	.00043
Stddev	.00008	.00132	.00203	.00090	.00315
%RSD	54.258	215.17	9.3206	258.21	734.01
#1	.00017	.00167	-.02042	.00069	.00405
#2	.00020	.00103	-.02081	-.00087	-.00105
#3	.00005	-.00086	-.02411	-.00087	-.00171
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00250	.05000	.10000	.01000	.01000
Low Limit	-.00250	-.05000	-.10000	-.01000	-.01000

Approved: October 17, 2005

Sample Name: CCB Run Time: 10/14/05 17:07

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00064	L -.02212	.00045	.00128	-.00039
Stddev	.00916	.00064	.00283	.00285	.00042
%RSD	1439.3	2.8924	634.93	222.52	108.96
#1	.01120	-.02286	.00365	-.00183	.00000
#2	-.00508	-.02176	-.00063	.00376	-.00033
#3	-.00422	-.02175	-.00169	.00190	-.00084
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	.02000	.01000	.25000	.20000	.00500
Low Limit	-.02000	-.01000	-.25000	-.20000	-.00500

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.00066	.00101	-.00381	.00148
Stddev	.00032	.00669	.00100	.00030
%RSD	49.426	665.40	26.270	20.446
#1	.00073	-.00194	-.00359	.00113
#2	.00030	-.00371	-.00294	.00168
#3	.00094	.00867	-.00491	.00163
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.01500	.02000	.00728	.01000
Low Limit	-.01500	-.02000	-.00728	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051027702 Operator: SLP
Comment:
Run Time: 10/14/05 17:14 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	62.616	-.00246	.02106	2.6308	3.8052
Stddev	.279	.00428	.00998	.0069	.0152
%RSD	.44578	173.78	47.400	.26085	.39952
#1	62.375	-.00560	.03170	2.6232	3.7887
#2	62.922	-.00419	.01960	2.6366	3.8187
#3	62.550	.00241	.01189	2.6325	3.8080
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00003	H 2054.7	.09618	3.5939	7.5511
Stddev	.00002	9.9	.00130	.0111	.0140
%RSD	71.016	.48104	1.3540	.30861	.18525
#1	-.00004	2043.5	.09488	3.5813	7.5355
#2	-.00001	2058.6	.09619	3.5980	7.5625
#3	-.00004	2062.1	.09748	3.6023	7.5554
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.35639	66.298	19.565	.14180	39.779
Stddev	.00408	.220	.045	.00045	.044
%RSD	1.1460	.33254	.23037	.31993	.11088
#1	.35537	66.069	19.552	.14127	39.785
#2	.36089	66.508	19.615	.14208	39.820
#3	.35291	66.318	19.527	.14204	39.732
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.2536	L -.33278	12.479	.14119	38.693
Stddev	.0022	.00185	.045	.00082	.165
%RSD	.17195	.55704	.35781	.57959	.42763
#1	1.2511	-.33201	12.461	.14039	38.503
#2	1.2547	-.33489	12.529	.14117	38.768
#3	1.2549	-.33143	12.445	.14203	38.807
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005

Sample Name: L051027702 Run Time: 10/14/05 17:14

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.26391	L -3.5594	2.4901	.08802	2.8296
Stddev	.00403	.0074	.0073	.00036	.0168
%RSD	1.5254	.20808	.29528	.40642	.59461
#1	.25929	-3.5511	2.4822	.08761	2.8103
#2	.26581	-3.5620	2.4967	.08823	2.8409
#3	.26663	-3.5652	2.4915	.08823	2.8376
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	10.500	L -.04732	.04487	H 226.06
Stddev	.058	.00531	.00235	.48
%RSD	.55487	11.212	5.2337	.21186
#1	10.436	-.04207	.04748	225.65
#2	10.550	-.04721	.04423	226.59
#3	10.514	-.05268	.04291	225.93
Check ?	LC Pass	LC Fail	LC Pass	LC Fail
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051027703 Operator: SLP
Comment:
Run Time: 10/14/05 17:20 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	83.041	.04283	.02418	1.2145	1.0036
Stddev	.527	.00292	.00355	.0053	.0055
%RSD	.63416	6.8274	14.688	.43280	.54999
#1	82.831	.04192	.02161	1.2084	1.0020
#2	83.640	.04610	.02269	1.2177	1.0097
#3	82.652	.04047	.02823	1.2173	.99905
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00006	H 2198.6	.19791	3.9119	.23928
Stddev	.00006	13.4	.00068	.0151	.00129
%RSD	98.919	.60746	.34601	.38508	.53973
#1	.00011	2191.6	.19779	3.9023	.23801
#2	-.00001	2214.0	.19865	3.9293	.23925
#3	.00008	2190.2	.19729	3.9041	.24059
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.42873	68.480	11.511	.19861	71.672
Stddev	.00066	.321	.062	.00103	.363
%RSD	.15284	.46823	.53781	.51670	.50695
#1	.42831	68.307	11.475	.19780	71.256
#2	.42839	68.850	11.582	.19976	71.836
#3	.42948	68.283	11.476	.19826	71.925
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.4716	L -.42455	8.0886	.07554	15.121
Stddev	.0056	.00228	.0357	.00075	.111
%RSD	.38052	.53619	.44165	.99252	.73094
#1	1.4651	-.42210	8.0491	.07597	15.060
#2	1.4750	-.42495	8.1186	.07467	15.248
#3	1.4746	-.42660	8.0981	.07597	15.054
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005

Sample Name: L051027703 Run Time: 10/14/05 17:20

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.38698	L -4.2872	2.5818	.11245	2.9238
Stddev	.01087	.0049	.0135	.00108	.0213
%RSD	2.8090	.11526	.52197	.95689	.72926
#1	.39176	-4.2831	2.5753	.11183	2.9189
#2	.37454	-4.2858	2.5727	.11183	2.9472
#3	.39464	-4.2927	2.5972	.11370	2.9054
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	13.467	L -.04264	.03954	H 267.98
Stddev	.035	.00661	.00095	.91
%RSD	.25924	15.496	2.4111	.33833
#1	13.450	-.04499	.04007	267.41
#2	13.507	-.03517	.04011	267.50
#3	13.443	-.04774	.03844	269.02
Check ?	LC Pass	LC Fail	LC Pass	LC Fail
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051027704 Operator: SLP
Comment:
Run Time: 10/14/05 17:26 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	50.898	.00250	.00782	1.0798	4.0618
Stddev	.194	.00203	.00662	.0034	.0120
%RSD	.38025	81.296	84.571	.31055	.29623
#1	50.695	.00062	.00121	1.0764	4.0495
#2	51.081	.00466	.00782	1.0799	4.0623
#3	50.918	.00223	.01444	1.0831	4.0736
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00005	H 3041.1	.08307	1.4868	.10059
Stddev	.00003	19.8	.00027	.0068	.00060
%RSD	61.828	.65193	.32711	.45600	.59608
#1	.00008	3063.1	.08299	1.4797	.10123
#2	.00003	3024.6	.08285	1.4877	.10004
#3	.00003	3035.7	.08337	1.4931	.10048
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.81946	57.692	8.2098	.23043	278.05
Stddev	.00445	.220	.0120	.00088	1.37
%RSD	.54260	.38159	.14568	.38175	.49308
#1	.81523	57.459	8.1969	.23145	278.83
#2	.82410	57.721	8.2120	.22986	276.47
#3	.81907	57.896	8.2205	.23000	278.86
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.1909	-.04466	11.145	.07182	4.8250
Stddev	.0010	.00231	.018	.00057	.0333
%RSD	.08506	5.1732	.16421	.79971	.68940
#1	1.1917	-.04365	11.129	.07246	4.7908
#2	1.1912	-.04303	11.165	.07168	4.8271
#3	1.1897	-.04731	11.141	.07134	4.8572
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005

Sample Name: L051027704 Run Time: 10/14/05 17:26

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.07972	L -.56215	4.2604	.04724	H 73.033
Stddev	.00241	.01488	.0156	.00062	.478
%RSD	3.0200	2.6472	.36672	1.3152	.65436
#1	.07735	-.57402	4.2776	.04662	72.504
#2	.07965	-.56698	4.2566	.04786	73.162
#3	.08216	-.54546	4.2471	.04724	73.434
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Fail
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	12.083	-.02300	.05393	H 60.332
Stddev	.046	.01023	.00173	.170
%RSD	.38025	44.489	3.2116	.28248
#1	12.048	-.01395	.05197	60.523
#2	12.066	-.02095	.05524	60.274
#3	12.135	-.03411	.05459	60.197
Check ?	LC Pass	LC Pass	LC Pass	LC Fail
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051027801 Operator: SLP
Comment:
Run Time: 10/14/05 17:32 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	35.115	.01308	.01837	.10350	.56065
Stddev	.228	.00193	.00441	.00136	.00178
%RSD	.64905	14.784	24.026	1.3137	.31673
#1	35.176	.01390	.02310	.10297	.56086
#2	34.863	.01447	.01435	.10505	.55878
#3	35.306	.01087	.01766	.10249	.56231
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00027	99.476	.05763	1.0352	.10722
Stddev	.00003	.725	.00042	.0074	.00045
%RSD	12.532	.72927	.72613	.71599	.42051
#1	.00030	98.997	.05714	1.0269	.10680
#2	.00027	99.121	.05784	1.0377	.10718
#3	.00023	100.31	.05789	1.0411	.10770
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	3.7496	113.27	.89618	.04338	49.846
Stddev	.0147	.71	.01001	.00070	.288
%RSD	.39252	.62295	1.1174	1.6050	.57780
#1	3.7624	112.46	.90773	.04408	49.607
#2	3.7335	113.69	.89082	.04269	49.765
#3	3.7530	113.67	.88999	.04336	50.165
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.72338	-.08322	.64203	.05447	10.863
Stddev	.00444	.00091	.00905	.00100	.086
%RSD	.61387	1.0973	1.4098	1.8340	.79500
#1	.71826	-.08417	.65240	.05411	10.764
#2	.72586	-.08235	.63572	.05370	10.920
#3	.72604	-.08313	.63796	.05560	10.907
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005
Sheri L. Pokorny

Sample Name: L051027801 Run Time: 10/14/05 17:32

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.13043	L -.96343	3.8007	.28677	.17209
Stddev	.01187	.00726	.0062	.00200	.00645
%RSD	9.1042	.75369	.16193	.69644	3.7502
#1	.11803	-.95561	3.7945	.28759	.16471
#2	.13157	-.96996	3.8068	.28822	.17492
#3	.14170	-.96472	3.8007	.28449	.17665
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	8.0044	-.02371	.01602	H 72.346
Stddev	.0543	.00413	.00018	.324
%RSD	.67853	17.404	1.1256	.44817
#1	7.9643	-.02410	.01612	71.980
#2	7.9826	-.02763	.01613	72.463
#3	8.0662	-.01940	.01581	72.596
Check ?	LC Pass	LC Pass	LC Pass	LC Fail
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051027802 Operator: SLP
Comment:
Run Time: 10/14/05 17:38 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	51.382	.03553	.13510	.26522	.97557
Stddev	.250	.00127	.00753	.00597	.00335
%RSD	.48663	3.5873	5.5762	2.2495	.34304
#1	51.205	.03662	.14215	.27164	.97390
#2	51.668	.03583	.13598	.26420	.97943
#3	51.274	.03413	.12716	.25984	.97340
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00094	323.79	.13069	1.7304	3.9843
Stddev	.00006	1.16	.00112	.0108	.0109
%RSD	5.9382	.35920	.85484	.62655	.27297
#1	.00090	322.46	.12946	1.7178	3.9740
#2	.00091	324.56	.13099	1.7367	3.9956
#3	.00100	324.37	.13163	1.7366	3.9834
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	6.7906	H 1242.0	2.2717	.09615	146.45
Stddev	.0388	8.2	.0273	.00097	.44
%RSD	.57075	.65879	1.2015	1.0134	.30329
#1	6.7688	1232.6	2.2868	.09627	146.85
#2	6.8354	1247.4	2.2880	.09706	146.52
#3	6.7677	1246.1	2.2402	.09512	145.97
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	4.2455	.01012	.93135	1.2609	30.147
Stddev	.0129	.00240	.01113	.0051	.287
%RSD	.30284	23.675	1.1948	.40637	.95248
#1	4.2318	.01206	.93744	1.2550	29.819
#2	4.2573	.00744	.93811	1.2640	30.267
#3	4.2475	.01087	.91851	1.2637	30.354
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005

Sample Name: L051027802 Run Time: 10/14/05 17:38

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.11415	L -1.4289	2.8060	.11059	.41556
Stddev	.00865	.0190	.0145	.00329	.00505
%RSD	7.5753	1.3275	.51689	2.9756	1.2148
#1	.11151	-1.4334	2.8216	.11183	.41058
#2	.10713	-1.4452	2.8034	.11309	.41543
#3	.12381	-1.4081	2.7929	.10686	.42067
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	7.1881	L -.10354	.16032	H 116.87
Stddev	.0267	.00316	.00067	.23
%RSD	.37096	3.0569	.41975	.19686
#1	7.1654	-.10383	.16022	116.87
#2	7.2175	-.10024	.16103	117.10
#3	7.1815	-.10655	.15970	116.64
Check ?	LC Pass	LC Fail	LC Pass	LC Fail
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051027803 Operator: SLP
Comment:
Run Time: 10/14/05 17:44 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	87.480	-.00343	.01030	.28623	.55616
Stddev	.047	.00193	.00506	.00129	.00062
%RSD	.05394	56.201	49.178	.45205	.11062
#1	87.516	-.00158	.01614	.28480	.55545
#2	87.427	-.00543	.00736	.28660	.55656
#3	87.498	-.00330	.00739	.28731	.55647
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00076	H 1232.4	.02470	3.0540	5.5149
Stddev	.00004	5.4	.00088	.0342	.0415
%RSD	5.3370	.43881	3.5516	1.1192	.75152
#1	.00077	1227.4	.02414	3.0174	5.4687
#2	.00071	1238.2	.02571	3.0593	5.5270
#3	.00079	1231.5	.02425	3.0852	5.5490
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.06977	120.86	4.4525	.42141	213.66
Stddev	.00151	1.17	.0227	.00321	1.47
%RSD	2.1660	.96864	.50896	.76079	.68900
#1	.06960	119.61	4.4786	.42474	212.67
#2	.06836	121.05	4.4407	.41835	215.35
#3	.07136	121.93	4.4381	.42115	212.94
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.5089	-.04980	3.7443	.28429	1.0992
Stddev	.0108	.00323	.0192	.00186	.0152
%RSD	.71679	6.4900	.51174	.65588	1.3829
#1	1.4974	-.04648	3.7664	.28224	1.0817
#2	1.5105	-.04998	3.7329	.28475	1.1067
#3	1.5189	-.05294	3.7335	.28588	1.1092
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 17, 2005
Sheri L. Blakgard

Sample Name: L051027803 Run Time: 10/14/05 17:44

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01217	L -.57544	3.0736	.14889	.98626
Stddev	.00349	.02187	.0119	.00251	.00608
%RSD	28.659	3.8002	.38668	1.6858	.61616
#1	.01482	-.55057	3.0678	.15034	.98391
#2	.00822	-.59165	3.0873	.14599	.98171
#3	.01347	-.58410	3.0658	.15034	.99316
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	14.761	L -.05658	.03447	H 56.736
Stddev	.065	.00498	.00182	.380
%RSD	.43720	8.7950	5.2831	.66926
#1	14.696	-.06229	.03250	56.300
#2	14.825	-.05312	.03608	56.910
#3	14.764	-.05434	.03484	56.996
Check ?	LC Pass	LC Fail	LC Pass	LC Fail
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: CCV Operator:
Comment:
Run Time: 10/14/05 17:50 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	9.8147	.39769	.41501	9.6742	1.0772
Stddev	.0294	.00077	.00396	.0343	.0050
%RSD	.29964	.19363	.95426	.35456	.46894
#1	9.7868	.39791	.41169	9.6568	1.0802
#2	9.8119	.39834	.41939	9.6521	1.0714
#3	9.8454	.39684	.41394	9.7137	1.0801
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	.40000	.40000	10.000	1.0000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.05093	10.251	.05215	.20899	.50723
Stddev	.00026	.046	.00023	.00032	.00100
%RSD	.51216	.45349	.43201	.15197	.19689
#1	.05112	10.304	.05240	.20881	.50614
#2	.05063	10.219	.05208	.20936	.50747
#3	.05103	10.229	.05197	.20881	.50809
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.05000	10.000	.05000	.20000	.50000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.51077	4.2192	Q 43.498	Q .82971	9.7646
Stddev	.00053	.0189	.314	.01341	.0927
%RSD	.10409	.44806	.72295	1.6165	.94968
#1	.51109	4.2277	43.143	.81428	9.8699
#2	.51107	4.2323	43.742	.83863	9.6950
#3	.51016	4.1975	43.610	.83621	9.7289
Check ?	QC Pass	QC Pass	QC Fail	QC Fail	QC Pass
Value	.50000	4.0000	50.000	1.0000	10.000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.51236	1.0645	Q 42.823	.52597	.53333
Stddev	.00049	.0029	.549	.00079	.00326
%RSD	.09492	.27110	1.2826	.15059	.61059
#1	.51211	1.0657	42.190	.52511	.53417
#2	.51292	1.0667	43.167	.52667	.53608
#3	.51205	1.0612	43.113	.52614	.52974
Check ?	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	.50000	1.0000	50.000	.50000	.50000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Approved: October 17, 2005
Sheri L. Blakeslee

Sample Name: CCV Run Time: 10/14/05 17:50

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.2183	.41409	Q -.00434	1.0791	1.0527
Stddev	.0048	.00447	.00175	.0012	.0030
%RSD	.39049	1.0786	40.378	.11207	.28846
#1	1.2219	.41817	-.00232	1.0795	1.0523
#2	1.2201	.41479	-.00547	1.0801	1.0560
#3	1.2129	.40932	-.00522	1.0777	1.0499
Check ?	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	1.2000	.40000	5.0000	1.0000	1.0000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	1.0127	.51546	1.0083	.99687
Stddev	.0056	.00510	.0031	.00158
%RSD	.54950	.98972	.30642	.15862
#1	1.0189	.51125	1.0053	.99518
#2	1.0081	.52114	1.0115	.99712
#3	1.0112	.51400	1.0080	.99831
Check ?	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.50000	1.0000	1.0000
Range	10.000%	10.000%	10.000%	10.000%

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: CCB Operator:
Comment:
Run Time: 10/14/05 17:56 Type: Blank Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00164	.00091	-.00479	-.00059	.00004
Stddev	.03141	.00216	.00715	.00125	.00002
%RSD	1918.3	238.30	149.10	211.20	52.578
#1	.03565	.00043	-.00517	.00068	.00005
#2	-.02628	-.00098	.00254	-.00064	.00006
#3	-.00445	.00327	-.01175	-.00182	.00002
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.20000	.00500	.01000	.05000	.00250
Low Limit	-.20000	-.00500	-.01000	-.05000	-.00250

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00001	.00949	-.00066	-.00065	-.00027
Stddev	.00004	.00674	.00031	.00024	.00010
%RSD	298.60	71.009	46.794	36.873	35.539
#1	.00003	.01607	-.00038	-.00038	-.00016
#2	.00003	.00260	-.00060	-.00073	-.00031
#3	-.00003	.00980	-.00099	-.00084	-.00035
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00025	.05000	.00100	.00250	.00250
Low Limit	-.00025	-.05000	-.00100	-.00250	-.00250

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00047	-.00096	-.03379	.00037	.00620
Stddev	.00071	.00618	.01174	.00020	.05416
%RSD	151.33	642.47	34.737	53.941	874.12
#1	-.00063	-.00226	-.04459	.00029	-.00524
#2	.00031	.00576	-.02130	.00022	.06516
#3	-.00110	-.00639	-.03549	.00059	-.04133
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.01000	.02000	.25000	.05000	.10000
Low Limit	-.01000	-.02000	-.25000	-.05000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00017	.00044	-.01954	.00006	.00192
Stddev	.00002	.00106	.00146	.00080	.00391
%RSD	9.0596	240.01	7.4835	1423.1	204.33
#1	.00018	.00167	-.01805	.00052	-.00236
#2	.00016	-.00023	-.01960	.00052	.00278
#3	.00019	-.00011	-.02097	-.00087	.00533
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00250	.05000	.10000	.01000	.01000
Low Limit	-.00250	-.05000	-.10000	-.01000	-.01000

Approved: October 17, 2005

Sample Name: CCB Run Time: 10/14/05 17:56

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00391	L -.01733	.00084	.00149	.00022
Stddev	.00849	.00987	.00235	.00293	.00170
%RSD	217.29	56.966	280.90	197.51	768.37
#1	-.00783	-.02844	.00322	.00252	.00216
#2	-.00972	-.00955	.00077	-.00183	-.00050
#3	.00583	-.01400	-.00148	.00376	-.00100
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	.02000	.01000	.25000	.20000	.00500
Low Limit	-.02000	-.01000	-.25000	-.20000	-.00500

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.00054	.01050	-.00295	.00230
Stddev	.00043	.00462	.00066	.00007
%RSD	80.295	44.038	22.264	3.0195
#1	.00016	.01316	-.00294	.00222
#2	.00101	.01318	-.00229	.00235
#3	.00044	.00516	-.00361	.00234
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.01500	.02000	.00728	.01000
Low Limit	-.01500	-.02000	-.00728	-.01000

Approved: October 17, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: S0 Operator:
Comment:
Run Time: 10/17/05 09:50 Type: Std Mode: IR Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.06283	-.11087	-.00555	.30534	-.16076
Stddev	.04779	.02934	.01952	.02505	.02539
%RSD	76.070	26.464	351.58	8.2040	15.794
#1	.07208	-.13306	-.01999	.33143	-.13861
#2	.10532	-.07761	-.01332	.30312	-.18847
#3	.01109	-.12195	.01666	.28147	-.15520

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.02217	.16261	.21735	-.02554	-.48965
Stddev	.03326	.04200	.02461	.01930	.01730
%RSD	149.99	25.827	11.322	75.590	3.5333
#1	.02218	.21069	.19736	-.02831	-.49964
#2	-.01109	.13304	.20985	-.00500	-.49965
#3	.05543	.14412	.24483	-.04330	-.46968

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.19957	.30868	-.22916	2.4798	.02218
Stddev	.02932	.01796	.13172	.2270	.03841
%RSD	14.692	5.8179	57.477	9.1541	173.19
#1	.17742	.32145	-.29388	2.2177	.04435
#2	.23281	.31646	-.07761	2.6164	.04435
#3	.18846	.28815	-.31599	2.6052	-.02217

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.27147	.00722	3.6107	-.16877	.22206
Stddev	.02681	.01547	.2155	.03023	.01574
%RSD	9.8741	214.42	5.9678	17.911	7.0891
#1	.24649	.02498	3.6759	-.13657	.20985
#2	.29979	.00000	3.7860	-.17321	.23983
#3	.26815	-.00333	3.3701	-.19653	.21652

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.02221	.02110	.40582	-.00888	.07495
Stddev	.02167	.02404	.02990	.02500	.02772
%RSD	97.597	113.95	7.3678	281.47	36.984
#1	.00000	.03497	.39471	-.02332	.08660
#2	-.02332	-.00666	.43969	-.02332	.09493
#3	-.04330	.03498	.38307	.01999	.04330

Approved: October 18, 2005

Sample Name: S0 Run Time: 10/17/05 09:50

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.26609	-.02165	1.1050	.22262
Stddev	.06176	.00927	.0127	.03000
%RSD	23.212	42.829	1.1538	13.475
#1	.33266	-.02332	1.0978	.19319
#2	.21064	-.02998	1.1197	.22151
#3	.25498	-.01166	1.0975	.25316

Approved: October 18, 2005

Method: CLP3 Sample Name: S1 Operator:
Comment:
Run Time: 10/17/05 09:56 Type: Std Mode: IR Corr.Fact: 1.000000

Elem	Al3082	B_2496	Ba4554	Be3130	Ca3736
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.15340	3.3814	4.6854	.66537	.88717
Stddev	.04085	.0380	.0537	.04824	.05297
%RSD	26.629	1.1232	1.1453	7.2495	5.9711
#1	.12198	3.3532	4.6908	.68754	.83170
#2	.19958	3.4246	4.6292	.69854	.89258
#3	.13864	3.3665	4.7361	.61004	.93724

Elem	Cr2677	Fe2714	K_7664	Li6707	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.04775	.54360	5.0446	10.032	4.1299
Stddev	.04192	.04346	.0203	.085	.0511
%RSD	87.786	7.9940	.40134	.84618	1.2366
#1	-.00333	.51141	5.0352	10.036	4.1777
#2	-.08661	.52637	5.0678	9.9458	4.1358
#3	-.05330	.59303	5.0307	10.116	4.0761

Elem	Mo2020	Na5895	Sb2068	Si2516	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.14048	44.246	.05441	1.1216	.05441
Stddev	.01347	.096	.02500	.0042	.01835
%RSD	9.5876	.21693	45.949	.37063	33.717
#1	.14825	44.147	.05330	1.1211	.05330
#2	.12492	44.252	.07995	1.1260	.07329
#3	.14825	44.339	.02998	1.1177	.03665

Elem	Sr2152	Ti3349	V_3102	Zn2138
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.16935	1.6265	1.4232	1.1605
Stddev	.00631	.0503	.0340	.0179
%RSD	3.7257	3.0909	2.3899	1.5448
#1	.16658	1.6301	1.4527	1.1527
#2	.16490	1.5745	1.3860	1.1810
#3	.17657	1.6748	1.4308	1.1477

Approved: October 18, 2005

Method: CLP3 Sample Name: S2 Operator:
Comment:
Run Time: 10/17/05 10:03 Type: Std Mode: IR Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.26606	.13672	.01444	6.3815	9.3619
Stddev	.01469	.06400	.00192	.0245	.0628
%RSD	5.5212	46.812	13.314	.38451	.67041
#1	.27164	.09978	.01665	6.3569	9.2910
#2	.27714	.21063	.01332	6.4060	9.3840
#3	.24940	.09976	.01333	6.3815	9.4105

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.3229	1.5612	.27232	.16045	.41973
Stddev	.0778	.0617	.02880	.01183	.05040
%RSD	5.8801	3.9491	10.576	7.3743	12.007
#1	1.3305	1.4912	.27479	.14989	.45966
#2	1.2416	1.6074	.29981	.15823	.36310
#3	1.3966	1.5851	.24237	.17324	.43643

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.55059	.79730	10.402	18.110	.12194
Stddev	.09563	.02873	.079	.233	.01109
%RSD	17.369	3.6029	.75738	1.2870	9.0982
#1	.65414	.78778	10.335	17.950	.13305
#2	.46560	.77455	10.488	18.003	.11086
#3	.53204	.82958	10.382	18.378	.12193

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7.8711	.27982	84.296	.24873	.28648
Stddev	.0510	.00830	.940	.03023	.01763
%RSD	.64757	2.9662	1.1149	12.155	6.1523
#1	7.9291	.28812	83.370	.22650	.27979
#2	7.8334	.27982	85.249	.28316	.30647
#3	7.8507	.27152	84.268	.23654	.27318

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.09105	.03387	1.8466	.09994	.28038
Stddev	.01345	.01346	.0084	.01331	.02268
%RSD	14.776	39.751	.45454	13.323	8.0887
#1	.10659	.04164	1.8370	.11325	.28812
#2	.08328	.01832	1.8505	.09994	.25484
#3	.08329	.04164	1.8523	.08662	.29817

Approved: October 18, 2005

Sample Name: S2 Run Time: 10/17/05 10:03

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.0597	-.00444	1.7811	1.8549
Stddev	.0909	.02199	.0448	.0360
%RSD	2.9694	495.23	2.5156	1.9407
#1	3.0379	-.02831	1.8072	1.8153
#2	3.1594	.01499	1.7294	1.8638
#3	2.9817	.00000	1.8067	1.8856

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: S3 Operator:
Comment:
Run Time: 10/17/05 10:09 Type: Std Mode: IR Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7.0378	7.0785	.62300	161.64	255.40
Stddev	.0748	.0444	.02185	.25	1.09
%RSD	1.0635	.62780	3.5074	.15381	.42574
#1	7.0986	7.0320	.62633	161.56	256.65
#2	7.0607	7.0829	.64299	161.92	254.66
#3	6.9542	7.1206	.59967	161.44	254.89

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	35.651	38.074	1.5708	4.7036	23.266
Stddev	.205	.122	.0345	.0409	.028
%RSD	.57450	.32156	2.1937	.86906	.11904
#1	35.415	37.961	1.5841	4.6641	23.297
#2	35.781	38.057	1.5317	4.7009	23.258
#3	35.758	38.204	1.5966	4.7458	23.244

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	11.065	13.166	294.86	479.04	3.0991
Stddev	.096	.033	.36	.55	.0557
%RSD	.86705	.25341	.12358	.11477	1.7974
#1	11.047	13.151	295.27	479.55	3.0834
#2	10.980	13.143	294.71	478.46	3.0530
#3	11.169	13.205	294.59	479.11	3.1610

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	198.77	7.1817	2232.5	10.306	1.6358
Stddev	.16	.0664	4.1	.034	.0273
%RSD	.08067	.92523	.18516	.32626	1.6679
#1	198.94	7.1062	2236.9	10.301	1.6125
#2	198.75	7.2079	2232.0	10.341	1.6658
#3	198.62	7.2311	2228.6	10.274	1.6291

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.1422	.32982	38.383	2.9251	5.8097
Stddev	.0208	.00441	.097	.0251	.0377
%RSD	.97208	1.3368	.25310	.85906	.64842
#1	2.1255	.32482	38.492	2.9284	5.7702
#2	2.1655	.33316	38.306	2.8985	5.8453
#3	2.1355	.33149	38.351	2.9484	5.8135

Approved: October 18, 2005

Sample Name: S3 Run Time: 10/17/05 10:09

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	79.487	.44698	18.510	40.363
Stddev	.131	.02614	.098	.063
%RSD	.16425	5.8487	.52705	.15491
#1	79.338	.42644	18.401	40.435
#2	79.544	.43810	18.540	40.322
#3	79.580	.47641	18.589	40.331

Approved: October 18, 2005

Sheri L. Blakgard

Method: CLP3 Sample Name: S4 Operator:
Comment:
Run Time: 10/17/05 10:15 Type: Std Mode: IR Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	14.055	14.162	1.2860	323.29	508.97
Stddev	.016	.099	.0491	.61	.77
%RSD	.11664	.70130	3.8164	.18830	.15139
#1	14.070	14.086	1.3126	322.60	508.27
#2	14.037	14.126	1.3160	323.74	508.85
#3	14.058	14.275	1.2293	323.52	509.79

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	70.748	75.539	2.9384	9.4327	47.222
Stddev	.402	.295	.0222	.0501	.103
%RSD	.56853	.39016	.75658	.53067	.21824
#1	70.320	75.211	2.9634	9.4817	47.132
#2	70.807	75.625	2.9209	9.4349	47.201
#3	71.118	75.782	2.9309	9.3816	47.335

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	21.855	26.363	578.07	938.90	6.0812
Stddev	.115	.102	.98	3.85	.0521
%RSD	.52403	.38697	.16943	.40975	.85604
#1	21.784	26.374	577.48	934.48	6.0227
#2	21.987	26.459	579.20	940.74	6.0983
#3	21.795	26.256	577.54	941.48	6.1225

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	397.08	14.436	4271.9	20.573	3.0595
Stddev	1.05	.053	22.8	.016	.0107
%RSD	.26449	.36461	.53331	.07586	.34938
#1	395.89	14.376	4245.9	20.556	3.0517
#2	397.89	14.460	4281.7	20.579	3.0717
#3	397.44	14.472	4288.2	20.586	3.0550

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4.3388	.67853	76.065	5.8669	11.625
Stddev	.0429	.01455	.419	.0185	.011
%RSD	.98966	2.1444	.55141	.31557	.09087
#1	4.2911	.67464	75.642	5.8469	11.619
#2	4.3510	.69462	76.072	5.8701	11.619
#3	4.3743	.66631	76.481	5.8835	11.637

Approved: October 18, 2005

Sample Name: S4 Run Time: 10/17/05 10:15

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	161.03	.89508	35.511	80.044
Stddev	.76	.00948	.209	.309
%RSD	.47482	1.0587	.58888	.38644
#1	160.48	.89786	35.282	79.723
#2	160.70	.88452	35.692	80.068
#3	161.90	.90285	35.559	80.340

Approved: October 18, 2005

Sheri L. Blakgrad

Method: CLP3 Sample Name: S5 Operator:
Comment:
Run Time: 10/17/05 10:21 Type: Std Mode: IR Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	28.079	28.405	2.5409	643.69	1020.1
Stddev	.094	.298	.0291	.53	2.5
%RSD	.33357	1.0479	1.1448	.08238	.24103
#1	28.138	28.649	2.5653	643.08	1022.9
#2	27.971	28.493	2.5486	643.97	1018.9
#3	28.128	28.073	2.5087	644.03	1018.4

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	141.78	153.24	5.6503	18.843	95.762
Stddev	.25	.38	.0341	.033	.159
%RSD	.17294	.25093	.60391	.17325	.16655
#1	141.58	153.28	5.6195	18.810	95.942
#2	142.05	153.61	5.6870	18.843	95.636
#3	141.71	152.84	5.6445	18.875	95.710

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	43.773	52.499	1124.4	1823.8	12.396
Stddev	.073	.181	7.3	15.0	.099
%RSD	.16706	.34517	.65275	.82441	.80143
#1	43.710	52.320	1132.9	1841.2	12.511
#2	43.854	52.495	1120.3	1815.4	12.333
#3	43.757	52.682	1120.0	1814.9	12.345

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	790.89	28.789	8023.5	40.935	5.7780
Stddev	.89	.076	61.5	.040	.0255
%RSD	.11202	.26332	.76687	.09656	.44120
#1	791.69	28.733	8094.5	40.925	5.7502
#2	789.94	28.758	7991.5	40.902	5.7836
#3	791.04	28.875	7984.7	40.979	5.8003

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	8.7520	1.4298	150.35	11.690	23.169
Stddev	.0437	.0051	.18	.042	.099
%RSD	.49970	.35535	.11979	.35675	.42771
#1	8.7053	1.4309	150.51	11.730	23.084
#2	8.7920	1.4342	150.38	11.647	23.144
#3	8.7588	1.4243	150.16	11.694	23.278

Approved: October 18, 2005

Sample Name: S5 Run Time: 10/17/05 10:21

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	327.88	1.7946	69.073	161.13
Stddev	.62	.0054	.279	.35
%RSD	.18945	.29906	.40339	.21976
#1	327.90	1.7924	69.176	161.52
#2	328.49	1.7907	69.285	161.05
#3	327.25	1.8007	68.757	160.82

Approved: October 18, 2005

El Name	Slope	Y-int	Correlation	Date Stdized
Al3082	1.3964	0.0620	0.9996166	10/17/05 10:25:54

Standard Name	Concentration Stated	Concentration Found	Difference Conc	Difference %	Signal (S)IR
S0	0	0.000609170		0	0.062828
S1	0.1	0.065471	-0.0345	-34.5	0.1534
S2	0.2	0.14614	-0.0539	-26.9	0.26606
S3	5	4.9955	-0.00453	-0.0906	7.0378
S4	10	10.021	0.0206	0.206	14.055
S5	20	20.064	0.0635	0.318	28.079

El Name	Slope	Y-int	Correlation	Date Stdized
Ag3280	37.7233	-0.1112	0.9999462	10/17/05 10:25:54

Standard Name	Concentration Stated	Concentration Found	Difference Conc	Difference %	Signal (S)IR
S0	0	9.373e-06	0	0	-0.11087
S2	0.008	0.0065728	-0.00143	-17.8	0.13672
S3	0.2	0.19059	-0.00941	-4.7	7.0785
S4	0.4	0.37837	-0.0216	-5.41	14.162
S5	0.8	0.75592	-0.0441	-5.51	28.405

El Name	Slope	Y-int	Correlation	Date Stdized
As1890	3.1925	-0.0056	0.9998299	10/17/05 10:25:54

Standard Name	Concentration Stated	Concentration Found	Difference Conc	Difference %	Signal (S)IR
S0	0	1.7192e-050		0	-0.0055514
S2	0.008	0.0062777	-0.00172	-21.5	0.014435
S3	0.2	0.1969	-0.0031	-1.55	0.623
S4	0.4	0.40457	0.00457	1.14	1.286
S5	0.8	0.79765	-0.00235	-0.294	2.5409

El Name	Slope	Y-int	Correlation	Date Stdized
B_2496	32.2112	0.3022	0.9999864	10/17/05 10:25:54

Standard Name	Concentration Stated	Concentration Found	Difference Conc	Difference %	Signal (S)IR
S0	0	9.644e-05	0	0	0.30534
S1	0.1	0.095594	-0.00441	-4.41	3.3814
S2	0.2	0.18873	-0.0113	-5.63	6.3815
S3	5	5.0087	0.00875	0.175	161.64
S4	10	10.027	0.0271	0.271	323.29
S5	20	19.974	-0.0258	-0.129	643.69

El Name	Slope	Y-int	Correlation	Date Stdized
Ba4554	509.7206	-0.1664	0.9999835	10/17/05 10:25:54

Standard Name	Concentration Stated	Concentration Found	Difference Conc	Difference %	Signal (S)IR
S0	0	1.1109e-050		0	-0.16076
S1	0.01	0.0095185	-0.000481	-4.81	4.6854
S2	0.02	0.018693	-0.00131	-6.53	9.3619
S3	0.5	0.50138	0.00138	0.277	255.4
S4	1	0.99885	-0.00115	-0.115	508.97
S5	2	2.0016	0.00155	0.0777	1020.1

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El Name	Slope	Y-int	Correlation	Date Stdized
Be3130	1394.7487	0.0210	0.9999664	10/17/05 10:25:54

Standard Name	Concentration Stated	Concentration Found	Difference Conc	Difference %	Signal (S)IR
S0	0	8.4577e-070		0	0.022174
S1	0.0005	0.000462	-3.8e-05	-7.6	0.66537
S2	0.001	0.00093343	-6.66e-05	-6.66	1.3229
S3	0.025	0.025546	0.000546	2.18	35.651
S4	0.05	0.05071	0.00071	1.42	70.748
S5	0.1	0.10164	0.00164	1.64	141.78

El Name	Slope	Y-int	Correlation	Date Stdized
Ca3736	7.5750	0.1616	0.9999552	10/17/05 10:25:54

Standard Name	Concentration Stated	Concentration Found	Difference Conc	Difference %	Signal (S)IR
S0	0	0.000132350		0	0.16261
S1	0.1	0.095783	-0.00422	-4.22	0.88717
S2	0.2	0.18477	-0.0152	-7.62	1.5612
S3	5	5.0049	0.00489	0.0977	38.074
S4	10	9.9508	-0.0492	-0.492	75.539
S5	20	20.209	0.209	1.04	153.24

El Name	Slope	Y-int	Correlation	Date Stdized
Cd2288	53.5951	0.2174	0.9999983	10/17/05 10:25:54

Standard Name	Concentration Stated	Concentration Found	Difference Conc	Difference %	Signal (S)IR
S0	0	-9.9535e-080		0	0.21735
S2	0.001	0.0010257	2.57e-05	2.57	0.27232
S3	0.025	0.025254	0.000254	1.01	1.5708
S4	0.05	0.050771	0.000771	1.54	2.9384
S5	0.1	0.10137	0.00137	1.37	5.6503

El Name	Slope	Y-int	Correlation	Date Stdized
Co2286	47.5593	-0.0256	0.9999986	10/17/05 10:25:54

Standard Name	Concentration Stated	Concentration Found	Difference Conc	Difference %	Signal (S)IR
S0	0	5.1823e-070		0	-0.025537
S2	0.004	0.0039112	-8.88e-05	-2.22	0.16045
S3	0.1	0.099437	-0.000563	-0.563	4.7036
S4	0.2	0.19887	-0.00113	-0.563	9.4327
S5	0.4	0.39673	-0.00327	-0.817	18.843

El Name	Slope	Y-int	Correlation	Date Stdized
Cr2677	95.7592	-0.4903	0.9999713	10/17/05 10:25:54

Standard Name	Concentration Stated	Concentration Found	Difference Conc	Difference %	Signal (S)IR
S0	0	6.6573e-060		0	-0.48965
S1	0.005	0.0046214	-0.000379	-7.57	-0.04775
S2	0.01	0.0095032	-0.000497	-4.97	0.41973
S3	0.25	0.24809	-0.00191	-0.765	23.266
S4	0.5	0.49826	-0.00174	-0.348	47.222
S5	1	1.0052	0.00515	0.515	95.762

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El Name	Slope	Y-int	Correlation	Date Stdized
Cu3247	43.8485	0.1987	0.9998924	10/17/05 10:25:54

Standard Name	Concentration Stated	Found	Difference Conc	%	Signal (S)IR
S0	0	1.8724e-050		0	0.19957
S2	0.01	0.0080242	-0.00198	-19.8	0.55059
S3	0.25	0.24782	-0.00218	-0.873	11.065
S4	0.5	0.49389	-0.00611	-1.22	21.855
S5	1	0.99376	-0.00624	-0.624	43.773

El Name	Slope	Y-int	Correlation	Date Stdized
Fe2714	6.6198	0.3083	0.9999654	10/17/05 10:25:54

Standard Name	Concentration Stated	Found	Difference Conc	%	Signal (S)IR
S0	0	6.1565e-050		0	0.30868
S1	0.04	0.035549	-0.00445	-11.1	0.5436
S2	0.08	0.073874	-0.00613	-7.66	0.7973
S3	2	1.9424	-0.0576	-2.88	13.166
S4	4	3.9359	-0.0641	-1.6	26.363
S5	8	7.8841	-0.116	-1.45	52.499

El Name	Slope	Y-int	Correlation	Date Stdized
K_7664	11.4309	-0.2354	0.9998096	10/17/05 10:25:54

Standard Name	Concentration Stated	Found	Difference Conc	%	Signal (S)IR
S0	0	0.000541990		0	-0.22916
S1	0.5	0.4619	-0.0381	-7.62	5.0446
S2	1	0.93054	-0.0695	-6.95	10.402
S3	25	25.815	0.815	3.26	294.86
S4	50	50.592	0.592	1.18	578.07
S5	100	98.383	-1.62	-1.62	1124.4

El Name	Slope	Y-int	Correlation	Date Stdized
Li6707	923.3022	2.4525	0.9997318	10/17/05 10:25:54

Standard Name	Concentration Stated	Found	Difference Conc	%	Signal (S)IR
S0	0	2.9569e-050		0	2.4798
S1	0.01	0.0082096	-0.00179	-17.9	10.032
S2	0.02	0.016959	-0.00304	-15.2	18.11
S3	0.5	0.51618	0.0162	3.24	479.04
S4	1	1.0142	0.0142	1.42	938.9
S5	2	1.9726	-0.0274	-1.37	1823.8

El Name	Slope	Y-int	Correlation	Date Stdized
Mg2779	0.6319	0.0219	0.9998592	10/17/05 10:25:54

Standard Name	Concentration Stated	Found	Difference Conc	%	Signal (S)IR
S0	0	0.000366210		0	0.022176
S2	0.2	0.15826	-0.0417	-20.9	0.12194
S3	5	4.8699	-0.13	-2.6	3.0991
S4	10	9.5892	-0.411	-4.11	6.0812
S5	20	19.583	-0.417	-2.08	12.396

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El Name	Slope	Y-int	Correlation	Date Stdized
Mn2576	792.0326	0.2691	0.9999927	10/17/05 10:25:54

Standard Name	Concentration Stated	Found	Difference Conc	%	Signal (S)IR
S0	0	3.0314e-060		0	0.27147
S1	0.005	0.0048746	-0.000125	-2.51	4.1299
S2	0.01	0.0095981	-0.000402	-4.02	7.8711
S3	0.25	0.25062	0.000623	0.249	198.77
S4	0.5	0.501	0.000998	0.2	397.08
S5	1	0.99822	-0.00178	-0.178	790.89

El Name	Slope	Y-int	Correlation	Date Stdized
Mo2020	14.3634	0.0070	0.9999830	10/17/05 10:25:54

Standard Name	Concentration Stated	Found	Difference Conc	%	Signal (S)IR
S0	0	1.2466e-050		0	0.0072169
S1	0.01	0.0092902	-0.00071	-7.1	0.14048
S2	0.02	0.018992	-0.00101	-5.04	0.27982
S3	0.5	0.49951	-0.000489	-0.0977	7.1817
S4	1	1.0046	0.00458	0.458	14.436
S5	2	2.0038	0.00382	0.191	28.789

El Name	Slope	Y-int	Correlation	Date Stdized
Na5895	82.9370	3.6205	0.9991695	10/17/05 10:25:54

Standard Name	Concentration Stated	Found	Difference Conc	%	Signal (S)IR
S0	0	-0.000118190		0	3.6107
S1	0.5	0.48983	-0.0102	-2.03	44.246
S2	1	0.97273	-0.0273	-2.73	84.296
S3	25	26.874	1.87	7.5	2232.5
S4	50	51.464	1.46	2.93	4271.9
S5	100	96.699	-3.3	-3.3	8023.5

El Name	Slope	Y-int	Correlation	Date Stdized
Ni2316	41.2923	-0.1687	0.9999758	10/17/05 10:25:54

Standard Name	Concentration Stated	Found	Difference Conc	%	Signal (S)IR
S0	0	-2.2121e-060		0	-0.16877
S2	0.01	0.010109	0.000109	1.09	0.24873
S3	0.25	0.25366	0.00366	1.46	10.306
S4	0.5	0.50232	0.00232	0.465	20.573
S5	1	0.99543	-0.00457	-0.457	40.935

El Name	Slope	Y-int	Correlation	Date Stdized
Pb2203	5.5953	0.2222	0.9998883	10/17/05 10:25:54

Standard Name	Concentration Stated	Found	Difference Conc	%	Signal (S)IR
S0	0	-1.5793e-050		0	0.22206
S2	0.01	0.011497	0.0015	15	0.28648
S3	0.25	0.25265	0.00265	1.06	1.6358
S4	0.5	0.50709	0.00709	1.42	3.0595
S5	1	0.99296	-0.00704	-0.704	5.778

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El Name	Slope	Y-int	Correlation	Date Stdized
Sb2068	3.6981	-0.0218	0.9989716	10/17/05 10:25:54

Standard Name	Concentration Stated	Concentration Found	Difference Conc	Difference %	Signal (S)IR
S0	0	-0.000118840		0	-0.022207
S1	0.012	0.0206	0.0086	71.7	0.054413
S2	0.024	0.030507	0.00651	27.1	0.091052
S3	0.6	0.58515	-0.0148	-2.47	2.1422
S4	1.2	1.1791	-0.0209	-1.74	4.3388
S5	2.4	2.3725	-0.0275	-1.15	8.752

El Name	Slope	Y-int	Correlation	Date Stdized
Se1960	1.5926	0.0211	0.9988668	10/17/05 10:25:54

Standard Name	Concentration Stated	Concentration Found	Difference Conc	Difference %	Signal (S)IR
S2	0.008	0.0080307	3.07e-05	0.384	0.033867
S3	0.2	0.19386	-0.00614	-3.07	0.32982
S4	0.4	0.41281	0.0128	3.2	0.67853
S0	0	1.1869e-050		0	0.021096
S5	0.8	0.88453	0.0845	10.6	1.4298

El Name	Slope	Y-int	Correlation	Date Stdized
Si2516	15.0122	0.4052	0.9999774	10/17/05 10:25:54

Standard Name	Concentration Stated	Concentration Found	Difference Conc	Difference %	Signal (S)IR
S0	0	4.0693e-050		0	0.40582
S1	0.05	0.047719	-0.00228	-4.56	1.1216
S2	0.1	0.096014	-0.00399	-3.99	1.8466
S3	2.5	2.5298	0.0298	1.19	38.383
S4	5	5.0399	0.0399	0.798	76.065
S5	10	9.9883	-0.0117	-0.117	150.35

El Name	Slope	Y-int	Correlation	Date Stdized
Sn1899	5.8587	-0.0089	0.9999744	10/17/05 10:25:54

Standard Name	Concentration Stated	Concentration Found	Difference Conc	Difference %	Signal (S)IR
S0	0	-1.1835e-060		0	-0.0088824
S1	0.01	0.010803	0.000803	8.03	0.054413
S2	0.02	0.018573	-0.00143	-7.14	0.099935
S3	0.5	0.50079	0.000791	0.158	2.9251
S4	1	1.0029	0.00291	0.291	5.8669
S5	2	1.9969	-0.00308	-0.154	11.69

El Name	Slope	Y-int	Correlation	Date Stdized
Sr2152	11.5474	0.0746	0.9999179	10/17/05 10:25:54

Standard Name	Concentration Stated	Concentration Found	Difference Conc	Difference %	Signal (S)IR
S0	0	2.8518e-050		0	0.074946
S1	0.01	0.0082037	-0.0018	-18	0.16935
S2	0.02	0.017819	-0.00218	-10.9	0.28038
S3	0.5	0.49665	-0.00335	-0.67	5.8097
S4	1	1.0002	0.000248	0.0248	11.625
S5	2	1.9999	-5.27e-05	-0.00263	23.169

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El Name	Slope	Y-int	Correlation	Date Stdized
Ti3349	162.4063	0.2611	0.9998334	10/17/05 10:25:54

Standard Name	Concentration Stated	Found	Difference Conc	%	Signal (S)IR
S0	0	3.1021e-050		0	0.26609
S1	0.01	0.0084075	-0.00159	-15.9	1.6265
S2	0.02	0.017232	-0.00277	-13.8	3.0597
S3	0.5	0.48783	-0.0122	-2.43	79.487
S4	1	0.9899	-0.0101	-1.01	161.03
S5	2	2.0173	0.0173	0.864	327.88

El Name	Slope	Y-int	Correlation	Date Stdized
Tl1908	1.9443	-0.0217	0.9999315	10/17/05 10:25:54

Standard Name	Concentration Stated	Found	Difference Conc	%	Signal (S)IR
S0	0	3.5753e-060		0	-0.021651
S3	0.25	0.24103	-0.00897	-3.59	0.44698
S4	0.5	0.4715	-0.0285	-5.7	0.89508
S5	1	0.93415	-0.0658	-6.58	1.7946
S2	0.01	0.0088555	-0.00114	-11.4	-0.0044405

El Name	Slope	Y-int	Correlation	Date Stdized
V_3102	34.2095	1.1048	0.9999539	10/17/05 10:25:54

Standard Name	Concentration Stated	Found	Difference Conc	%	Signal (S)IR
S0	0	6.4745e-060		0	1.105
S1	0.01	0.0093069	-0.000693	-6.93	1.4232
S2	0.02	0.01977	-0.00023	-1.15	1.7811
S3	0.5	0.50878	0.00878	1.76	18.51
S4	1	1.0057	0.00575	0.575	35.511
S5	2	1.9868	-0.0132	-0.659	69.073

El Name	Slope	Y-int	Correlation	Date Stdized
Zn2138	79.9548	0.2241	0.9999518	10/17/05 10:25:54

Standard Name	Concentration Stated	Found	Difference Conc	%	Signal (S)IR
S0	0	-1.8208e-050		0	0.22262
S1	0.01	0.011711	0.00171	17.1	1.1605
S2	0.02	0.020397	0.000397	1.99	1.8549
S3	0.5	0.50202	0.00202	0.403	40.363
S4	1	0.99831	-0.00169	-0.169	80.044
S5	2	2.0124	0.0124	0.622	161.13

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Sheri L. Blakgard

Method: CLP3 Sample Name: ICV Operator:
Comment:
Run Time: 10/17/05 10:36 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	10.254	.40469	.40075	9.6300	Q 1.0522
Stddev	.025	.00373	.00627	.0146	.0017
%RSD	.24557	.92140	1.5657	.15188	.16522
#1	10.239	.40131	.40005	9.6135	1.0518
#2	10.283	.40408	.39486	9.6412	1.0507
#3	10.240	.40869	.40735	9.6353	1.0541
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail
Value	10.000	.40000	.40000	10.000	1.0000
Range	5.0000%	5.0000%	5.0000%	5.0000%	5.0000%

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.05010	9.9303	.05040	.20182	.49963
Stddev	.00007	.0267	.00028	.00024	.00128
%RSD	.13209	.26867	.54846	.11657	.25548
#1	.05009	9.9001	.05009	.20180	.49824
#2	.05003	9.9401	.05049	.20206	.50074
#3	.05017	9.9507	.05063	.20159	.49992
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.05000	10.000	.05000	.20000	.50000
Range	5.0000%	5.0000%	5.0000%	5.0000%	5.0000%

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.51071	4.0675	51.391	1.0187	9.9233
Stddev	.00339	.0098	.144	.0056	.1790
%RSD	.66415	.24058	.28026	.55438	1.8042
#1	.51416	4.0625	51.519	1.0222	9.7167
#2	.51059	4.0788	51.235	1.0122	10.020
#3	.50738	4.0612	51.420	1.0218	10.033
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	4.0000	50.000	1.0000	10.000
Range	5.0000%	5.0000%	5.0000%	5.0000%	5.0000%

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.50475	1.0293	51.608	.51197	.50925
Stddev	.00094	.0050	.288	.00138	.00103
%RSD	.18632	.48207	.55872	.26867	.20291
#1	.50416	1.0282	51.687	.51041	.50985
#2	.50583	1.0348	51.289	.51251	.50985
#3	.50425	1.0251	51.849	.51300	.50806
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	1.0000	50.000	.50000	.50000
Range	5.0000%	5.0000%	5.0000%	5.0000%	5.0000%

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Sample Name: ICV Run Time: 10/17/05 10:36

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.1991	.40019	Q .00585	1.0497	.99808
Stddev	.0146	.00595	.00218	.0033	.00142
%RSD	1.2203	1.4860	37.206	.31679	.14216
#1	1.1962	.39359	.00371	1.0535	.99874
#2	1.2150	.40184	.00577	1.0484	.99904
#3	1.1862	.40513	.00806	1.0473	.99645
Check ?	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	1.2000	.40000	5.0000	1.0000	1.0000
Range	5.0000%	5.0000%	5.0000%	5.0000%	5.0000%

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.98751	.50556	1.0141	1.0046
Stddev	.00033	.00830	.0085	.0021
%RSD	.03329	1.6427	.83976	.20734
#1	.98740	.51487	1.0100	1.0035
#2	.98726	.50287	1.0085	1.0070
#3	.98788	.49893	1.0239	1.0032
Check ?	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.50000	1.0000	1.0000
Range	5.0000%	5.0000%	5.0000%	5.0000%

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: ICB Operator:
Comment:
Run Time: 10/17/05 10:41 Type: Blank Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00735	.00259	.00316	.00356	.00019
Stddev	.03846	.00161	.00239	.00226	.00009
%RSD	523.60	62.300	75.827	63.593	50.888
#1	-.01655	.00418	.00592	.00566	.00029
#2	.03488	.00263	.00177	.00385	.00013
#3	-.04037	.00096	.00178	.00116	.00013
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.20000	.00500	.01000	.05000	.00250
Low Limit	-.20000	-.00500	-.01000	-.05000	-.00250

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00001	.00139	.00033	-.00009	-.00047
Stddev	.00004	.00404	.00032	.00048	.00019
%RSD	282.21	290.39	96.192	527.89	40.829
#1	-.00002	-.00298	-.00002	.00033	-.00034
#2	.00000	.00499	.00041	-.00061	-.00038
#3	.00005	.00216	.00060	.00001	-.00069
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00025	.05000	.00100	.00250	.00250
Low Limit	-.00025	-.05000	-.00100	-.00250	-.00250

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00377	-.00383	.05326	.00016	-.02820
Stddev	.00068	.00525	.00964	.00017	.07899
%RSD	17.942	137.07	18.092	104.77	280.13
#1	-.00351	-.00663	.06426	.00036	-.10413
#2	-.00454	.00223	.04631	.00006	-.03401
#3	-.00326	-.00708	.04922	.00007	.05354
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.01000	.02000	.25000	.05000	.10000
Low Limit	-.01000	-.02000	-.25000	-.05000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00001	.00164	.01884	.00024	.00258
Stddev	.00002	.00082	.00289	.00017	.00215
%RSD	165.28	50.236	15.320	70.458	83.302
#1	-.00003	.00090	.02191	.00029	.00496
#2	.00001	.00253	.01844	.00037	.00196
#3	-.00001	.00148	.01618	.00005	.00080
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00250	.05000	.10000	.01000	.01000
Low Limit	-.00250	-.05000	-.10000	-.01000	-.01000

Approved: October 18, 2005

Sample Name: ICB Run Time: 10/17/05 10:41

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00711	-.00697	.00022	.00038	.00003
Stddev	.01002	.00732	.00100	.00692	.00052
%RSD	140.86	105.10	454.43	1830.3	1896.5
#1	-.00387	-.01533	.00030	.00834	-.00055
#2	.00945	-.00174	-.00082	-.00303	.00046
#3	.01575	-.00382	.00118	-.00417	.00017
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.02000	.01000	.25000	.20000	.00500
Low Limit	-.02000	-.01000	-.25000	-.20000	-.00500

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	-.00083	-.00453	.00130	-.00039
Stddev	.00049	.01372	.00216	.00030
%RSD	59.299	302.93	165.68	77.242
#1	-.00051	-.01022	.00238	-.00005
#2	-.00140	.01112	-.00118	-.00051
#3	-.00058	-.01449	.00271	-.00061
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.01500	.02000	.00728	.01000
Low Limit	-.01500	-.02000	-.00728	-.01000

Approved: October 18, 2005

Sheri L. Blakgrad

Method: CLP3 Sample Name: ICSA Operator:
Comment:
Run Time: 10/17/05 10:48 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	251.06	Q .00617	-.00501	.02559	.00077
Stddev	.80	.00301	.00694	.00077	.00014
%RSD	.31967	48.759	138.68	3.0281	17.979
#1	251.25	.00519	-.01300	.02629	.00074
#2	250.18	.00954	-.00047	.02572	.00092
#3	251.75	.00377	-.00155	.02476	.00065
Check ?	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass
Value	250.00	.00000	.00000	.00000	.00000
Range	±50.000	±.00400	±.02000	±.10000	±.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00003	243.96	.00024	.00455	.00141
Stddev	.00002	.30	.00019	.00015	.00061
%RSD	83.157	.12490	79.075	3.2080	43.448
#1	.00000	244.24	.00046	.00471	.00091
#2	-.00004	243.64	.00009	.00444	.00209
#3	-.00004	244.01	.00018	.00450	.00123
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	250.00	.00000	.00000	.00000
Range	±.00050	±50.000	±.00200	±.00500	±.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00047	92.645	.01985	.01517	247.67
Stddev	.00130	.047	.00900	.00010	.91
%RSD	278.25	.05089	45.336	.62794	.36779
#1	-.00190	92.674	.01047	.01519	247.53
#2	-.00014	92.672	.02067	.01506	246.83
#3	.00064	92.591	.02841	.01525	248.64
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	100.00	.00000	.00000	250.00
Range	±.00500	±20.000	±.50000	±.10000	±50.000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00332	-.00001	.03507	.00352	-.01547
Stddev	.00004	.00081	.00095	.00036	.00647
%RSD	1.1056	7470.1	2.7125	10.339	41.863
#1	.00329	.00057	.03552	.00389	-.02050
#2	.00336	.00034	.03398	.00317	-.00816
#3	.00333	-.00094	.03572	.00349	-.01773
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000
Range	±.00500	±.10000	±.50000	±.02000	±.02000

Approved: October 18, 2005

Sample Name: ICSA Run Time: 10/17/05 10:48

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00152	-.01170	.10048	.00663	-.00853
Stddev	.00629	.01465	.00281	.00248	.00374
%RSD	412.62	125.24	2.7977	37.371	43.796
#1	.00879	-.01797	.10352	.00948	-.01174
#2	-.00212	.00504	.09798	.00493	-.00943
#3	-.00210	-.02217	.09993	.00550	-.00443
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000
Range	±.02000	±.02000	±.50000	±.50000	±.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.00620	-.02279	.00260	-.00725
Stddev	.00042	.00422	.00246	.00015
%RSD	6.7194	18.533	94.585	2.1178
#1	.00617	-.01793	.00250	-.00735
#2	.00581	-.02485	.00019	-.00707
#3	.00664	-.02559	.00511	-.00732
Check ?	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000
Range	±.03000	±.04000	±.01000	±.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: ICSAB Operator:
Comment:
Run Time: 10/17/05 10:53 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	247.66	.49365	.24608	.02315	.24625
Stddev	1.56	.00135	.01188	.00068	.00106
%RSD	.63017	.27399	4.8276	2.9190	.43053
#1	246.18	.49288	.25932	.02368	.24512
#2	247.52	.49521	.23635	.02338	.24642
#3	249.29	.49286	.24258	.02239	.24722
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	250.00	.50000	.25000	.00000	.25000
Range	±50.000	±.10000	±.05000	±.20000	±.05000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.24984	242.09	.48459	.23030	.23535
Stddev	.00135	1.37	.00043	.00100	.00042
%RSD	.53988	.56557	.08798	.43525	.17878
#1	.24829	240.54	.48480	.22942	.23579
#2	.25055	242.58	.48410	.23010	.23495
#3	.25070	243.14	.48487	.23139	.23530
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.25000	250.00	.50000	.25000	.25000
Range	±.05000	±50.000	±.10000	±.05000	±.05000

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.24702	97.707	4.9370	.01496	246.33
Stddev	.00287	.159	.0277	.00011	1.82
%RSD	1.1610	.16308	.56179	.72836	.73963
#1	.24383	97.523	4.9102	.01491	244.34
#2	.24786	97.810	4.9656	.01508	246.76
#3	.24937	97.787	4.9354	.01488	247.91
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.25000	100.00	5.0000	.00000	250.00
Range	±.05000	±20.000	±1.0000	±.20000	±50.000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.23183	.00127	5.1110	.46786	.45959
Stddev	.00047	.00237	.0249	.00056	.00446
%RSD	.20143	186.28	.48785	.12009	.97046
#1	.23237	-.00140	5.0933	.46728	.45759
#2	.23155	.00208	5.1001	.46840	.45648
#3	.23157	.00313	5.1395	.46791	.46470
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.25000	.00000	5.0000	.50000	.50000
Range	±.05000	±.20000	±1.0000	±.10000	±.10000

Approved: October 18, 2005
Sheri L. Pokorny

Sample Name: ICSAB Run Time: 10/17/05 10:53

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.48737	.23920	.11885	.00569	.00491
Stddev	.00356	.00947	.00170	.00215	.00168
%RSD	.73050	3.9580	1.4270	37.869	34.184
#1	.48380	.24928	.11726	.00720	.00639
#2	.48740	.23783	.11865	.00663	.00526
#3	.49092	.23049	.12064	.00322	.00309
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.25000	.00000	.00000	.00000
Range	±.10000	±.05000	±1.0000	±1.0000	±.02000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.00605	.43574	.24440	.48334
Stddev	.00074	.00993	.00063	.00027
%RSD	12.149	2.2796	.25981	.05601
#1	.00687	.44632	.24501	.48303
#2	.00584	.43430	.24374	.48345
#3	.00545	.42661	.24444	.48354
Check ?	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.50000	.25000	.50000
Range	±.06000	±.10000	±.05000	±.10000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: CCV Operator:
Comment:
Run Time: 10/17/05 10:59 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	10.436	.40525	.39345	9.6614	1.0615
Stddev	.078	.00248	.00575	.0216	.0013
%RSD	.74937	.61084	1.4627	.22370	.12521
#1	10.367	.40280	.40007	9.6386	1.0615
#2	10.422	.40775	.39069	9.6639	1.0602
#3	10.521	.40521	.38960	9.6816	1.0629
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	.40000	.40000	10.000	1.0000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.05024	9.9800	.05045	.20161	.50206
Stddev	.00001	.0289	.00063	.00054	.00056
%RSD	.02892	.28982	1.2397	.26596	.11081
#1	.05025	9.9483	.04981	.20118	.50269
#2	.05023	9.9866	.05107	.20221	.50162
#3	.05025	10.005	.05046	.20143	.50189
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.05000	10.000	.05000	.20000	.50000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.51476	4.0903	51.634	1.0224	9.8224
Stddev	.00204	.0127	.025	.0040	.0353
%RSD	.39656	.31179	.04776	.39291	.35970
#1	.51443	4.0813	51.637	1.0234	9.8218
#2	.51695	4.1049	51.607	1.0180	9.8580
#3	.51290	4.0846	51.656	1.0259	9.7873
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	4.0000	50.000	1.0000	10.000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.50707	1.0326	51.901	.51375	.51018
Stddev	.00103	.0052	.074	.00073	.00169
%RSD	.20221	.49932	.14220	.14171	.33192
#1	.50597	1.0266	51.979	.51364	.50919
#2	.50800	1.0361	51.891	.51308	.50921
#3	.50724	1.0350	51.833	.51453	.51214
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	1.0000	50.000	.50000	.50000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Approved: October 18, 2005
Sheri L. Blakgrove

Sample Name: CCV Run Time: 10/17/05 10:59

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.2068	.39862	Q .00671	1.0617	1.0013
Stddev	.0099	.00651	.00090	.0031	.0022
%RSD	.82246	1.6340	13.385	.29394	.21924
#1	1.2080	.39344	.00636	1.0632	.99875
#2	1.2161	.39649	.00605	1.0581	1.0022
#3	1.1964	.40593	.00774	1.0637	1.0028
Check ?	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	1.2000	.40000	5.0000	1.0000	1.0000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.99258	.51038	1.0118	1.0125
Stddev	.00141	.00738	.0025	.0010
%RSD	.14219	1.4459	.24369	.09441
#1	.99185	.50378	1.0113	1.0122
#2	.99420	.51835	1.0096	1.0136
#3	.99168	.50902	1.0145	1.0118
Check ?	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.50000	1.0000	1.0000
Range	10.000%	10.000%	10.000%	10.000%

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: CCB Operator:
Comment:
Run Time: 10/17/05 11:05 Type: Blank Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00982	.00323	-.00519	.00287	.00028
Stddev	.02874	.00213	.00301	.00104	.00020
%RSD	292.74	65.740	57.996	36.230	70.444
#1	-.00877	.00502	-.00867	.00396	.00024
#2	.04292	.00381	-.00344	.00277	.00011
#3	-.00470	.00088	-.00347	.00189	.00050
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.20000	.00500	.01000	.05000	.00250
Low Limit	-.20000	-.00500	-.01000	-.05000	-.00250

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00002	.00501	.00044	-.00036	.00005
Stddev	.00002	.00482	.00036	.00039	.00009
%RSD	99.105	96.304	82.784	108.26	167.86
#1	.00004	-.00016	.00017	-.00065	.00004
#2	.00002	.00938	.00029	.00008	-.00003
#3	.00000	.00580	.00085	-.00051	.00015
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00025	.05000	.00100	.00250	.00250
Low Limit	-.00025	-.05000	-.00100	-.00250	-.00250

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00336	.00050	.03274	-.00035	-.01742
Stddev	.00064	.00517	.00955	.00020	.04650
%RSD	18.939	1040.4	29.178	59.001	266.89
#1	-.00327	.00464	.02207	-.00027	.01788
#2	-.00277	.00214	.04048	-.00058	-.00003
#3	-.00403	-.00529	.03568	-.00019	-.07011
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.01000	.02000	.25000	.05000	.10000
Low Limit	-.01000	-.02000	-.25000	-.05000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00000	.00113	.01022	.00019	-.00398
Stddev	.00005	.00202	.00510	.00061	.00215
%RSD	2119.5	178.31	49.886	329.29	54.046
#1	-.00001	.00345	.01535	.00045	-.00456
#2	.00006	-.00026	.01015	-.00051	-.00578
#3	-.00004	.00021	.00516	.00062	-.00160
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00250	.05000	.10000	.01000	.01000
Low Limit	-.00250	-.05000	-.10000	-.01000	-.01000

Approved: October 18, 2005
Sheri L. Blakgard

Sample Name: CCB Run Time: 10/17/05 11:05

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00562	-.00731	.00000	.00170	-.00050
Stddev	.00699	.00612	.00055	.00118	.00059
%RSD	124.43	83.650	13823.	69.447	117.59
#1	.00770	-.00489	-.00028	.00038	.00003
#2	.01132	-.01427	-.00035	.00208	-.00040
#3	-.00218	-.00278	.00064	.00265	-.00113
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.02000	.01000	.25000	.20000	.00500
Low Limit	-.02000	-.01000	-.25000	-.20000	-.00500

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	-.00095	.00599	-.00043	-.00027
Stddev	.00073	.01113	.00081	.00021
%RSD	76.950	185.67	190.59	80.424
#1	-.00011	-.00083	.00043	-.00020
#2	-.00134	-.00003	-.00118	-.00051
#3	-.00140	.01883	-.00052	-.00009
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.01500	.02000	.00728	.01000
Low Limit	-.01500	-.02000	-.00728	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051026401 Operator: SLP
Comment:
Run Time: 10/17/05 11:12 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	8.1531	-.00074	.00183	.01950	.13331
Stddev	.0788	.00244	.00209	.00060	.00051
%RSD	.96613	328.62	114.04	3.0970	.38167
#1	8.2355	.00202	.00185	.02020	.13381
#2	8.0786	-.00260	-.00026	.01911	.13280
#3	8.1450	-.00165	.00391	.01920	.13332
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00023	25.884	.00146	.00180	.02748
Stddev	.00004	.057	.00040	.00041	.00027
%RSD	17.469	.22202	27.440	22.646	.97564
#1	.00027	25.944	.00104	.00178	.02757
#2	.00020	25.878	.00184	.00140	.02770
#3	.00021	25.830	.00150	.00221	.02719
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.05176	8.1252	.81876	.00404	1.9610
Stddev	.00077	.0173	.01304	.00021	.0705
%RSD	1.4949	.21344	1.5931	5.1298	3.5967
#1	.05158	8.1358	.83296	.00386	1.8970
#2	.05110	8.1346	.80732	.00398	2.0366
#3	.05261	8.1052	.81599	.00427	1.9494
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.40225	.00204	.14981	.00894	.20140
Stddev	.00121	.00221	.00309	.00076	.00270
%RSD	.30145	108.44	2.0610	8.5365	1.3421
#1	.40094	.00432	.15327	.00980	.19881
#2	.40247	-.00009	.14883	.00867	.20120
#3	.40334	.00188	.14734	.00834	.20420
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005
Sheri L. Blakgrove

Sample Name: L051026401 Run Time: 10/17/05 11:12

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00285	-.01476	3.5872	.01971	.23584
Stddev	.00987	.00895	.0325	.00151	.00138
%RSD	346.01	60.623	.90696	7.6371	.58658
#1	.01394	-.02313	3.5577	.01858	.23552
#2	-.00497	-.00532	3.5818	.01914	.23735
#3	-.00041	-.01584	3.6221	.02142	.23464
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.99005	.00030	.03935	.15284
Stddev	.00261	.00872	.00309	.00110
%RSD	.26396	2886.8	7.8620	.71975
#1	.99281	-.00433	.03610	.15184
#2	.98973	-.00513	.03968	.15266
#3	.98762	.01036	.04226	.15401
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051026402 Operator: SLP
Comment:
Run Time: 10/17/05 11:18 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	11.837	-.00139	.00348	.01127	.06159
Stddev	.084	.00150	.00320	.00100	.00031
%RSD	.70554	107.83	92.040	8.8595	.49856
#1	11.770	.00018	.00698	.01238	.06191
#2	11.810	-.00153	.00068	.01100	.06130
#3	11.930	-.00281	.00279	.01044	.06155
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00022	9.6207	.00121	.00207	.02201
Stddev	.00006	.0498	.00044	.00026	.00015
%RSD	24.612	.51793	36.028	12.317	.66298
#1	.00016	9.5664	.00073	.00234	.02217
#2	.00025	9.6315	.00131	.00205	.02196
#3	.00027	9.6643	.00158	.00183	.02189
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01387	7.5102	.67679	.00599	.92565
Stddev	.00104	.0340	.01856	.00032	.03688
%RSD	7.5299	.45239	2.7421	5.3668	3.9839
#1	.01419	7.4784	.69774	.00635	.96704
#2	.01270	7.5062	.67026	.00572	.89627
#3	.01471	7.5460	.66239	.00592	.91365
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.08953	.00099	.21461	.00946	.17628
Stddev	.00032	.00108	.00231	.00053	.00038
%RSD	.35382	109.10	1.0774	5.5889	.21702
#1	.08917	.00219	.21676	.00954	.17652
#2	.08965	.00068	.21216	.00995	.17649
#3	.08976	.00010	.21492	.00890	.17584
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005
Sheri L. Pokorny

Sample Name: L051026402 Run Time: 10/17/05 11:18

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00291	-.00334	4.8520	.02104	.04023
Stddev	.01033	.01149	.0190	.00263	.00120
%RSD	354.95	344.24	.39205	12.483	2.9797
#1	.01308	-.01625	4.8387	.01801	.03892
#2	-.00757	.00049	4.8738	.02256	.04052
#3	.00322	.00575	4.8436	.02256	.04126
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	1.0040	-.01454	.04613	.11709
Stddev	.0075	.00623	.00209	.00058
%RSD	.74225	42.873	4.5379	.49215
#1	.99589	-.02172	.04525	.11661
#2	1.0055	-.01049	.04852	.11773
#3	1.0106	-.01142	.04462	.11693
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051026404 Operator: SLP
Comment:
Run Time: 10/17/05 11:24 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	2.6932	.00039	-.00382	.00553	.04332
Stddev	.0418	.00292	.00302	.00049	.00012
%RSD	1.5510	754.56	78.914	8.8348	.27674
#1	2.6924	-.00261	-.00556	.00535	.04320
#2	2.7353	.00323	-.00557	.00608	.04344
#3	2.6518	.00054	-.00034	.00515	.04333
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00010	3.4138	.00079	.00010	.00498
Stddev	.00004	.0092	.00047	.00071	.00024
%RSD	43.823	.27016	59.485	726.33	4.7476
#1	.00013	3.4072	.00129	-.00068	.00490
#2	.00013	3.4099	.00036	.00026	.00480
#3	.00005	3.4244	.00072	.00072	.00525
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00594	1.4232	.42710	.00024	.53859
Stddev	.00132	.0050	.01606	.00011	.07108
%RSD	22.153	.35183	3.7604	47.246	13.197
#1	.00670	1.4188	.43056	.00036	.57958
#2	.00442	1.4222	.44115	.00014	.45651
#3	.00669	1.4286	.40959	.00020	.57966
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04018	.00131	.09102	.00306	.04476
Stddev	.00009	.00042	.00226	.00053	.00726
%RSD	.21771	31.891	2.4823	17.272	16.226
#1	.04028	.00166	.09328	.00298	.04318
#2	.04013	.00143	.09104	.00363	.05268
#3	.04013	.00085	.08876	.00258	.03842
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005
Sheri L. Blakgrove

Sample Name: L051026404 Run Time: 10/17/05 11:24

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00114	-.00287	1.1138	.02104	.02289
Stddev	.00204	.01996	.0092	.00323	.00058
%RSD	178.49	695.37	.82681	15.365	2.5473
#1	.00229	-.02379	1.1233	.01744	.02236
#2	-.00121	.01595	1.1132	.02369	.02351
#3	.00235	-.00077	1.1049	.02198	.02279
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.27977	-.01069	.00907	.02749
Stddev	.00043	.00428	.00179	.00003
%RSD	.15466	40.050	19.744	.09409
#1	.28025	-.01521	.01092	.02750
#2	.27963	-.00670	.00896	.02750
#3	.27941	-.01016	.00734	.02746
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: CCV Operator:
Comment:
Run Time: 10/17/05 11:30 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	10.385	.40557	.39693	9.6790	1.0618
Stddev	.106	.00190	.00752	.0073	.0071
%RSD	1.0248	.46931	1.8954	.07509	.66959
#1	10.271	.40343	.40318	9.6807	1.0539
#2	10.402	.40709	.38858	9.6711	1.0639
#3	10.482	.40618	.39903	9.6853	1.0677
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	.40000	.40000	10.000	1.0000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.05042	9.9264	.05029	.20149	.50376
Stddev	.00021	.0260	.00043	.00086	.00131
%RSD	.41459	.26223	.85256	.42770	.26038
#1	.05018	9.9064	.05079	.20245	.50488
#2	.05058	9.9169	.05009	.20120	.50408
#3	.05049	9.9558	.05000	.20080	.50232
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.05000	10.000	.05000	.20000	.50000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.51512	4.0741	52.418	1.0458	9.9578
Stddev	.00370	.0231	.314	.0081	.1316
%RSD	.71747	.56694	.59924	.77977	1.3213
#1	.51216	4.0997	52.071	1.0364	9.9649
#2	.51395	4.0678	52.499	1.0503	10.086
#3	.51926	4.0548	52.683	1.0507	9.8229
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	4.0000	50.000	1.0000	10.000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.50776	1.0341	53.039	.51321	.50763
Stddev	.00181	.0026	.527	.00307	.00591
%RSD	.35638	.25374	.99296	.59914	1.1645
#1	.50942	1.0369	52.439	.51662	.51164
#2	.50803	1.0337	53.425	.51234	.51040
#3	.50583	1.0316	53.254	.51066	.50084
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	1.0000	50.000	.50000	.50000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Approved: October 18, 2005
Sheri L. Blakgrove

Sample Name: CCV Run Time: 10/17/05 11:30

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.2080	.39226	Q .00911	1.0588	.99634
Stddev	.0046	.01765	.00115	.0018	.01247
%RSD	.37708	4.4991	12.672	.17348	1.2516
#1	1.2034	.41219	.00797	1.0581	1.0104
#2	1.2079	.37862	.00909	1.0575	.99181
#3	1.2125	.38598	.01028	1.0609	.98677
Check ?	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	1.2000	.40000	5.0000	1.0000	1.0000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.99138	.51506	1.0163	1.0158
Stddev	.00486	.01081	.0033	.0035
%RSD	.48982	2.0996	.32233	.34132
#1	.98717	.50382	1.0126	1.0119
#2	.99027	.52539	1.0184	1.0185
#3	.99669	.51598	1.0181	1.0171
Check ?	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.50000	1.0000	1.0000
Range	10.000%	10.000%	10.000%	10.000%

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: CCB Operator:
Comment:
Run Time: 10/17/05 11:36 Type: Blank Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00862	-.00106	.00037	.00311	.00009
Stddev	.06528	.00067	.00422	.00178	.00009
%RSD	756.94	63.739	1142.8	57.309	108.60
#1	.06673	-.00034	-.00346	.00494	.00015
#2	-.04434	-.00116	.00489	.00303	-.00002
#3	-.04826	-.00167	-.00033	.00137	.00013
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.20000	.00500	.01000	.05000	.00250
Low Limit	-.20000	-.00500	-.01000	-.05000	-.00250

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00003	.00671	.00020	-.00012	-.00067
Stddev	.00005	.00347	.00038	.00053	.00037
%RSD	143.84	51.677	187.05	454.82	55.891
#1	-.00002	.00941	-.00003	.00019	-.00090
#2	.00006	.00280	.00063	-.00073	-.00086
#3	.00006	.00792	.00000	.00019	-.00024
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00025	.05000	.00100	.00250	.00250
Low Limit	-.00025	-.05000	-.00100	-.00250	-.00250

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00074	.00130	.02092	-.00009	.00622
Stddev	.00076	.00089	.00885	.00018	.05386
%RSD	102.40	68.986	42.297	196.68	866.05
#1	.00001	.00054	.02254	.00005	-.05257
#2	-.00150	.00106	.01137	-.00003	.01804
#3	-.00073	.00228	.02885	-.00029	.05318
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.01000	.02000	.25000	.05000	.10000
Low Limit	-.01000	-.02000	-.25000	-.05000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00000	-.00010	.01221	-.00016	.00396
Stddev	.00005	.00105	.00575	.00028	.00184
%RSD	1942.3	1017.0	47.066	172.37	46.579
#1	-.00004	.00032	.01759	-.00043	.00194
#2	.00005	-.00130	.01288	.00013	.00556
#3	.00000	.00067	.00616	-.00019	.00437
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00250	.05000	.10000	.01000	.01000
Low Limit	-.00250	-.05000	-.10000	-.01000	-.01000

Approved: October 18, 2005
Sheri L. Blakgard

Sample Name: CCB Run Time: 10/17/05 11:36

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00202	-.00591	.00097	.00133	-.00160
Stddev	.00187	.00103	.00080	.00118	.00058
%RSD	92.427	17.486	82.158	89.302	36.297
#1	.00410	-.00488	.00185	.00038	-.00098
#2	.00051	-.00694	.00076	.00095	-.00213
#3	.00144	-.00592	.00030	.00265	-.00170
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.02000	.01000	.25000	.20000	.00500
Low Limit	-.02000	-.01000	-.25000	-.20000	-.00500

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	-.00020	-.00570	.00055	.00005
Stddev	.00042	.01298	.00294	.00027
%RSD	212.55	227.84	535.13	592.00
#1	-.00010	.00338	-.00214	.00024
#2	.00017	-.02056	.00010	-.00026
#3	-.00065	.00009	.00369	.00016
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.01500	.02000	.00728	.01000
Low Limit	-.01500	-.02000	-.00728	-.01000

Approved: October 18, 2005

Sheri L. Blakgrad

Method: CLP3 Sample Name: PBW 59 Operator: SLP
Comment: WG198659-02
Run Time: 10/17/05 11:44 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.02050	-.00024	-.00275	-.00163	.00006
Stddev	.00404	.00205	.00482	.00061	.00027
%RSD	19.699	866.82	175.53	37.385	469.78
#1	-.02457	-.00143	-.00553	-.00147	.00009
#2	-.01649	-.00141	.00282	-.00111	-.00023
#3	-.02044	.00213	-.00553	-.00230	.00032
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.20000	.00800	.02000	.10000	.01000
Low Limit	-.20000	-.00800	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00004	.02601	.00002	-.00091	.00019
Stddev	.00005	.00348	.00028	.00014	.00005
%RSD	147.57	13.401	1224.2	15.820	27.481
#1	.00006	.02482	.00030	-.00107	.00018
#2	.00007	.02993	.00003	-.00079	.00025
#3	-.00003	.02327	-.00026	-.00086	.00015
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00050	.20000	.00200	.00500	.00500
Low Limit	-.00050	-.20000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00233	-.00060	-.01417	-.00071	.05280
Stddev	.00190	.00535	.01196	.00014	.03071
%RSD	81.322	891.87	84.406	19.434	58.163
#1	-.00225	-.00557	-.00414	-.00055	.03544
#2	-.00048	-.00129	-.01097	-.00082	.08825
#3	-.00427	.00506	-.02741	-.00076	.03469
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00500	.04000	.50000	.10000	.10000
Low Limit	-.00500	-.04000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00018	.00001	-.01417	.00051	.00099
Stddev	.00003	.00189	.00429	.00079	.00619
%RSD	17.426	16409.	30.261	155.53	628.22
#1	.00014	.00218	-.01057	.00005	-.00397
#2	.00019	-.00084	-.01303	.00142	-.00100
#3	.00020	-.00130	-.01892	.00005	.00793
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.01000	.10000	.50000	.02000	.02000
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005

Sample Name: PBW 59 Run Time: 10/17/05 11:44

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01098	-.00244	.00378	-.00076	.00142
Stddev	.00050	.00798	.00153	.00171	.00159
%RSD	4.5408	326.59	40.576	224.63	111.94
#1	.01128	.00451	.00417	-.00076	-.00041
#2	.01125	-.01115	.00508	-.00247	.00219
#3	.01040	-.00069	.00209	.00095	.00248
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.02000	.02000	1.0000	.50000	.01000
Low Limit	-.02000	-.02000	-1.0000	-.50000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	-.00015	-.00336	.00207	.00072
Stddev	.00031	.00476	.00066	.00007
%RSD	203.03	141.46	31.745	10.384
#1	-.00017	.00091	.00141	.00076
#2	.00017	-.00251	.00207	.00077
#3	-.00045	-.00849	.00272	.00063
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.03000	.04000	.01000	.02000
Low Limit	-.03000	-.04000	-.01000	-.02000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: LCSW 59 Operator: SLP
Comment: WG198659-03
Run Time: 10/17/05 11:50 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	5.0707	.20044	.19932	5.0655	.50538
Stddev	.0611	.00305	.00362	.0059	.00393
%RSD	1.2050	1.5213	1.8176	.11674	.77724
#1	5.0005	.19938	.20142	5.0593	.50156
#2	5.0997	.20387	.20141	5.0660	.50940
#3	5.1118	.19806	.19514	5.0711	.50518
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	6.0000	.24000	.24000	6.0000	.60000
Low Limit	4.0000	.16000	.16000	4.0000	.40000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.02514	5.0784	.02524	.10050	.25398
Stddev	.00018	.0507	.00080	.00034	.00075
%RSD	.73082	.99821	3.1888	.33503	.29451
#1	.02493	5.0671	.02613	.10026	.25326
#2	.02525	5.1338	.02502	.10089	.25476
#3	.02524	5.0343	.02457	.10037	.25392
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.03000	6.0000	.03000	.12000	.30000
Low Limit	.02000	4.0000	.02000	.08000	.20000

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.25469	2.0215	25.512	.51593	4.9024
Stddev	.00082	.0027	.258	.00587	.0772
%RSD	.32353	.13461	1.0121	1.1372	1.5747
#1	.25408	2.0237	25.217	.50919	4.8139
#2	.25436	2.0222	25.622	.51875	4.9560
#3	.25563	2.0184	25.696	.51986	4.9374
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.30000	2.4000	30.000	.60000	6.0000
Low Limit	.20000	1.6000	20.000	.40000	4.0000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.25841	.51351	26.639	.25605	.24968
Stddev	.00035	.00336	.350	.00048	.00724
%RSD	.13651	.65425	1.3148	.18558	2.8988
#1	.25815	.50985	26.243	.25641	.25744
#2	.25881	.51645	26.907	.25551	.24848
#3	.25827	.51424	26.767	.25624	.24311
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.30000	.60000	30.000	.30000	.30000
Low Limit	.20000	.40000	20.000	.20000	.20000

Approved: October 18, 2005

Sample Name: LCSW 59 Run Time: 10/17/05 11:50

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.58805	.19117	2.6597	L -.00133	.50311
Stddev	.00353	.00454	.0121	.00373	.00086
%RSD	.60087	2.3724	.45532	280.72	.17190
#1	.58807	.18914	2.6463	-.00076	.50220
#2	.59158	.19637	2.6630	-.00531	.50392
#3	.58451	.18801	2.6698	.00208	.50320
Check ?	LC Pass	LC Pass	LC Pass	LC Fail	LC Pass
High Limit	.72000	.24000	3.0000	.60000	.60000
Low Limit	.48000	.16000	2.0000	.40000	.40000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.49764	.25230	.51687	.50429
Stddev	.00379	.00963	.00330	.00132
%RSD	.76172	3.8182	.63753	.26260
#1	.49453	.24991	.51330	.50279
#2	.50186	.26290	.51752	.50479
#3	.49654	.24409	.51980	.50530
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.60000	.30000	.60000	.60000
Low Limit	.40000	.20000	.40000	.40000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: TC BLK 10/12 Operator: SLP
Comment: WG198499-01
Run Time: 10/17/05 11:56 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00188	.00058	.00038	-.00366	.00319
Stddev	.02645	.00285	.00161	.00087	.00011
%RSD	1407.0	490.99	417.78	23.713	3.4514
#1	.01506	-.00119	-.00137	-.00271	.00324
#2	.01915	.00387	.00074	-.00385	.00327
#3	-.02857	-.00094	.00178	-.00442	.00307
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.20000	.00800	.02000	.10000	.01000
Low Limit	-.20000	-.00800	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00003	.13868	.00052	.00107	.00047
Stddev	.00003	.00423	.00076	.00003	.00014
%RSD	108.98	3.0489	148.22	3.2767	29.915
#1	-.00001	.14186	.00010	.00103	.00032
#2	.00004	.14029	.00005	.00110	.00060
#3	.00006	.13388	.00140	.00106	.00049
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00050	.20000	.00200	.00500	.00500
Low Limit	-.00050	-.20000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00217	.00192	.17739	-.00060	.02403
Stddev	.00038	.00554	.01968	.00011	.04403
%RSD	17.671	289.11	11.095	18.680	183.23
#1	-.00175	-.00169	.15764	-.00063	-.01680
#2	-.00251	.00830	.17753	-.00069	.01820
#3	-.00226	-.00086	.19700	-.00048	.07068
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00500	.04000	.50000	.10000	.10000
Low Limit	-.00500	-.04000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00031	.00098	H 523.66	.00013	.00316
Stddev	.00001	.00128	11.59	.00093	.00259
%RSD	3.2181	130.89	2.2135	708.72	81.809
#1	.00032	.00229	519.74	.00045	.00137
#2	.00030	.00090	536.71	-.00092	.00613
#3	.00032	-.00026	514.54	.00086	.00199
Check ?	LC Pass	LC Pass	LC Fail	LC Pass	LC Pass
High Limit	.01000	.10000	.50000	.02000	.02000
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005

Sample Name: TC BLK 10/12 Run Time: 10/17/05 11:56

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01220	-.00281	.29413	.00076	.00003
Stddev	.00718	.01032	.00344	.00313	.00239
%RSD	58.869	366.79	1.1688	413.82	7987.4
#1	.00407	-.01434	.29806	-.00133	-.00156
#2	.01766	.00556	.29165	.00436	.00277
#3	.01487	.00034	.29269	-.00076	-.00113
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.02000	.02000	1.0000	.50000	.01000
Low Limit	-.02000	-.02000	-1.0000	-.50000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	-.00026	L -.07226	-.00075	.00154
Stddev	.00093	.00734	.00210	.00033
%RSD	353.73	10.160	280.80	21.591
#1	.00024	-.06940	-.00086	.00193
#2	-.00133	-.06678	.00141	.00131
#3	.00031	-.08060	-.00279	.00140
Check ?	LC Pass	LC Fail	LC Pass	LC Pass
High Limit	.03000	.04000	.01000	.02000
Low Limit	-.03000	-.04000	-.01000	-.02000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051020401 Operator: SLP
Comment: WG198659-01
Run Time: 10/17/05 12:02 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	2.4280	.00299	-.00231	.06724	1.0464
Stddev	.0289	.00320	.00376	.00071	.0022
%RSD	1.1900	106.97	162.53	1.0551	.20694
#1	2.4601	.00409	.00186	.06803	1.0445
#2	2.4196	-.00061	-.00544	.06665	1.0458
#3	2.4042	.00550	-.00336	.06706	1.0488
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00059	18.258	.00368	.05406	.00625
Stddev	.00003	.024	.00049	.00020	.00028
%RSD	5.5242	.13243	13.429	.36753	4.4697
#1	.00062	18.232	.00365	.05384	.00625
#2	.00055	18.263	.00419	.05423	.00597
#3	.00059	18.280	.00320	.05412	.00653
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.10421	5.0260	1.0005	.00068	5.9096
Stddev	.00139	.0225	.0192	.00006	.0871
%RSD	1.3354	.44801	1.9198	8.1779	1.4742
#1	.10271	5.0000	.98779	.00067	5.8286
#2	.10545	5.0402	1.0226	.00064	6.0017
#3	.10446	5.0377	.99103	.00075	5.8984
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	2.6744	.00056	H 434.25	.02424	.11056
Stddev	.0029	.00099	4.44	.00021	.00519
%RSD	.11028	176.98	1.0234	.88090	4.6930
#1	2.6721	-.00037	435.68	.02448	.11293
#2	2.6777	.00044	437.80	.02416	.10461
#3	2.6735	.00161	429.27	.02408	.11414
Check ?	LC Pass	LC Pass	LC Fail	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005
Sheri L. Blakgard

Sample Name: L051020401 Run Time: 10/17/05 12:02

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00309	-.00936	3.3184	.00038	.18492
Stddev	.00149	.01420	.0226	.00410	.00265
%RSD	48.375	151.67	.67949	1086.4	1.4319
#1	.00136	-.01809	3.3404	.00493	.18376
#2	.00393	.00702	3.3196	-.00303	.18306
#3	.00396	-.01702	3.2953	-.00076	.18795
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.06658	L -.05526	.04386	.11804
Stddev	.00006	.00377	.00149	.00078
%RSD	.08919	6.8146	3.4072	.66153
#1	.06659	-.05267	.04473	.11865
#2	.06664	-.05353	.04471	.11831
#3	.06652	-.05958	.04213	.11716
Check ?	LC Pass	LC Fail	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051020401S Operator: SLP
Comment: WG198659-04
Run Time: 10/17/05 12:09 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	7.5428	.18748	.20606	5.0554	1.6109
Stddev	.0836	.00340	.00837	.0059	.0115
%RSD	1.1086	1.8156	4.0639	.11726	.71717
#1	7.5112	.18427	.20675	5.0621	1.5992
#2	7.4796	.18711	.19736	5.0510	1.6113
#3	7.6376	.19105	.21407	5.0530	1.6223
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.02430	24.073	.02912	.15663	.24866
Stddev	.00010	.144	.00048	.00049	.00066
%RSD	.42541	.59828	1.6490	.31337	.26557
#1	.02425	23.916	.02876	.15666	.24811
#2	.02442	24.103	.02894	.15711	.24849
#3	.02424	24.200	.02966	.15613	.24939
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.36113	7.6431	22.889	.43657	11.041
Stddev	.00069	.0137	.173	.00746	.117
%RSD	.18978	.17874	.75642	1.7088	1.0616
#1	.36072	7.6345	22.719	.42889	10.911
#2	.36075	7.6589	22.881	.43702	11.139
#3	.36192	7.6360	23.066	.44379	11.075
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	3.2239	.49559	H 459.55	.26754	.35917
Stddev	.0040	.00035	7.07	.00124	.00635
%RSD	.12345	.06993	1.5381	.46418	1.7673
#1	3.2193	.49525	467.50	.26722	.35223
#2	3.2266	.49560	453.98	.26891	.36058
#3	3.2256	.49594	457.17	.26649	.36469
Check ?	LC Pass	LC Pass	LC Fail	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005

Sample Name: L051020401S Run Time: 10/17/05 12:09

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.58149	.20099	6.3492	.00417	.68762
Stddev	.00494	.01144	.0144	.00174	.00185
%RSD	.84886	5.6912	.22706	41.675	.26881
#1	.57818	.19717	6.3426	.00379	.68641
#2	.57913	.19195	6.3393	.00606	.68975
#3	.58717	.21385	6.3657	.00265	.68670
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.55813	.17350	.52629	.61497
Stddev	.00336	.01704	.00578	.00159
%RSD	.60223	9.8215	1.0987	.25919
#1	.55498	.18647	.51973	.61414
#2	.55773	.17983	.52848	.61395
#3	.56167	.15420	.53066	.61680
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051020401SD Operator: SLP
Comment: WG198659-05
Run Time: 10/17/05 12:15 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	7.7351	.18803	.20537	5.0663	1.6543
Stddev	.0257	.00199	.00629	.0160	.0074
%RSD	.33269	1.0601	3.0604	.31677	.44801
#1	7.7087	.18738	.20466	5.0567	1.6459
#2	7.7601	.18645	.19946	5.0848	1.6574
#3	7.7366	.19027	.21197	5.0574	1.6597
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.02429	24.836	.02938	.15942	.24868
Stddev	.00007	.108	.00022	.00047	.00109
%RSD	.28399	.43509	.76205	.29607	.43710
#1	.02425	24.713	.02929	.15891	.24787
#2	.02437	24.916	.02964	.15950	.24991
#3	.02426	24.880	.02922	.15984	.24825
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.36915	7.8910	22.931	.43747	11.314
Stddev	.00173	.0221	.071	.00090	.053
%RSD	.46792	.27979	.30930	.20573	.46877
#1	.36720	7.8657	23.010	.43651	11.372
#2	.36974	7.9063	22.873	.43830	11.302
#3	.37050	7.9009	22.909	.43760	11.268
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	3.3321	.49805	H 473.00	.26719	.36465
Stddev	.0082	.00219	5.66	.00116	.00390
%RSD	.24658	.43910	1.1972	.43357	1.0695
#1	3.3279	.49616	471.49	.26633	.36049
#2	3.3415	.50045	479.27	.26851	.36822
#3	3.3268	.49756	468.25	.26674	.36525
Check ?	LC Pass	LC Pass	LC Fail	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005

Sample Name: L051020401SD Run Time: 10/17/05 12:15

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.58206	.19603	6.4987	.00303	.69872
Stddev	.00809	.01287	.0398	.00387	.00600
%RSD	1.3907	6.5635	.61173	127.69	.85832
#1	.57462	.18138	6.5133	.00606	.69202
#2	.59068	.20120	6.5292	-.00133	.70056
#3	.58088	.20550	6.4538	.00436	.70359
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.56233	.16759	.52321	.61985
Stddev	.00468	.01587	.00085	.00226
%RSD	.83301	9.4689	.16310	.36408
#1	.55695	.16160	.52418	.62057
#2	.56549	.18559	.52288	.62165
#3	.56455	.15559	.52257	.61732
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051020402 Operator: SLP
Comment:
Run Time: 10/17/05 12:21 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	3.0026	.00101	-.00439	.05980	1.0542
Stddev	.0697	.00275	.00551	.00105	.0054
%RSD	2.3198	271.61	125.33	1.7595	.50847
#1	3.0703	-.00102	.00185	.06095	1.0517
#2	3.0064	-.00008	-.00856	.05956	1.0604
#3	2.9311	.00414	-.00647	.05889	1.0505
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00061	20.144	.00388	.06494	.00819
Stddev	.00006	.069	.00045	.00037	.00021
%RSD	9.7276	.34123	11.644	.56514	2.5182
#1	.00064	20.185	.00434	.06499	.00797
#2	.00054	20.182	.00386	.06528	.00838
#3	.00065	20.064	.00343	.06455	.00821
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.08472	5.4396	1.0735	.00132	6.3457
Stddev	.00175	.0081	.0133	.00031	.1659
%RSD	2.0642	.14834	1.2384	23.559	2.6146
#1	.08370	5.4398	1.0818	.00160	6.1774
#2	.08674	5.4475	1.0582	.00098	6.3508
#3	.08371	5.4313	1.0806	.00139	6.5091
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	3.1035	-.00061	H 473.12	.02230	.10952
Stddev	.0074	.00099	2.21	.00049	.00483
%RSD	.23988	162.96	.46628	2.1958	4.4106
#1	3.0960	.00052	475.50	.02287	.10433
#2	3.1109	-.00134	471.15	.02198	.11388
#3	3.1037	-.00099	472.70	.02206	.11036
Check ?	LC Pass	LC Pass	LC Fail	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005

Sample Name: L051020402 Run Time: 10/17/05 12:21

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00636	L -.02029	4.6194	.00057	.20338
Stddev	.00832	.00159	.0226	.00033	.00043
%RSD	130.84	7.8169	.48967	57.905	.20920
#1	-.00325	-.02167	4.5936	.00095	.20288
#2	.01115	-.02065	4.6287	.00038	.20362
#3	.01116	-.01856	4.6358	.00038	.20363
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.08295	L -.05287	.04526	.14100
Stddev	.00048	.01362	.00343	.00104
%RSD	.57454	25.769	7.5800	.73862
#1	.08275	-.03780	.04214	.13980
#2	.08349	-.06432	.04472	.14169
#3	.08260	-.05650	.04893	.14150
Check ?	LC Pass	LC Fail	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051020402PS 0.9 Operator: SLP
Comment: WG198676-01
Run Time: 10/17/05 12:27 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	7.5657	.18633	.19733	4.9402	1.4461
Stddev	.0352	.00116	.00377	.0275	.0077
%RSD	.46587	.62314	1.9098	.55702	.53388
#1	7.5538	.18571	.19315	4.9190	1.4378
#2	7.6054	.18767	.20046	4.9713	1.4531
#3	7.5380	.18560	.19838	4.9303	1.4474
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.02377	23.455	.02750	.15735	.24351
Stddev	.00016	.177	.00094	.00133	.00185
%RSD	.68876	.75639	3.4142	.84678	.75896
#1	.02360	23.250	.02757	.15587	.24192
#2	.02377	23.555	.02653	.15770	.24554
#3	.02393	23.560	.02840	.15847	.24307
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.32405	7.1695	22.650	.43503	10.590
Stddev	.00192	.0334	.101	.00118	.192
%RSD	.59181	.46588	.44567	.27214	1.8110
#1	.32209	7.1322	22.751	.43487	10.787
#2	.32592	7.1965	22.650	.43628	10.404
#3	.32415	7.1799	22.549	.43393	10.579
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	3.2112	.48493	H 449.27	.25602	.33472
Stddev	.0024	.00531	6.84	.00210	.00518
%RSD	.07557	1.0943	1.5230	.82182	1.5483
#1	3.2089	.47890	454.18	.25551	.33907
#2	3.2137	.48887	452.18	.25834	.33610
#3	3.2109	.48703	441.45	.25422	.32898
Check ?	LC Pass	LC Pass	LC Fail	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005

Sample Name: L051020402PS 0.9 Run Time: 10/17/05 12:27

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.56350	.20105	6.8800	.00379	.67257
Stddev	.00679	.00637	.0398	.00261	.00665
%RSD	1.2056	3.1704	.57836	68.765	.98839
#1	.55573	.19413	6.9004	.00606	.66490
#2	.56644	.20236	6.9054	.00095	.67634
#3	.56833	.20667	6.8341	.00436	.67648
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.54484	.15928	.50817	.60815
Stddev	.00415	.01051	.00496	.00308
%RSD	.76172	6.5958	.97626	.50652
#1	.54017	.15683	.50245	.60756
#2	.54810	.17080	.51120	.61148
#3	.54626	.15022	.51087	.60541
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: CCV Operator:
Comment:
Run Time: 10/17/05 12:33 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	10.406	.39504	.40388	9.5526	1.0608
Stddev	.040	.00118	.00574	.0163	.0011
%RSD	.38137	.29796	1.4221	.17007	.10446
#1	10.421	.39571	.40944	9.5339	1.0600
#2	10.437	.39573	.40424	9.5637	1.0604
#3	10.361	.39368	.39797	9.5601	1.0621
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	.40000	.40000	10.000	1.0000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04960	9.9966	.05149	.20452	.49266
Stddev	.00004	.0120	.00011	.00008	.00013
%RSD	.08611	.11959	.21296	.03938	.02681
#1	.04962	9.9985	.05161	.20461	.49281
#2	.04955	9.9837	.05140	.20448	.49257
#3	.04963	10.007	.05147	.20447	.49260
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.05000	10.000	.05000	.20000	.50000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.51831	4.1129	51.038	1.0088	9.5314
Stddev	.00469	.0062	.387	.0094	.0704
%RSD	.90422	.15168	.75790	.92721	.73909
#1	.51586	4.1201	51.108	1.0056	9.5954
#2	.51535	4.1095	50.621	1.0014	9.4559
#3	.52371	4.1092	51.385	1.0193	9.5429
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	4.0000	50.000	1.0000	10.000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.50121	1.0364	50.992	.51069	.51834
Stddev	.00061	.0038	.358	.00169	.00586
%RSD	.12146	.36831	.70146	.33160	1.1300
#1	.50187	1.0322	51.039	.51075	.52230
#2	.50067	1.0395	50.613	.50897	.52112
#3	.50109	1.0377	51.324	.51236	.51162
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	1.0000	50.000	.50000	.50000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Approved: October 18, 2005

Sample Name: CCV Run Time: 10/17/05 12:33

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.2023	.41898	Q .00701	1.0541	1.0191
Stddev	.0095	.00914	.00277	.0035	.0056
%RSD	.79173	2.1810	39.547	.32829	.54512
#1	1.1926	.42527	.00997	1.0524	1.0189
#2	1.2117	.40850	.00658	1.0581	1.0137
#3	1.2026	.42318	.00448	1.0518	1.0248
Check ?	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	1.2000	.40000	5.0000	1.0000	1.0000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.99348	.48776	.98544	.98599
Stddev	.00119	.00089	.00067	.00141
%RSD	.12014	.18145	.06791	.14263
#1	.99284	.48687	.98470	.98744
#2	.99274	.48864	.98564	.98591
#3	.99485	.48778	.98599	.98463
Check ?	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.50000	1.0000	1.0000
Range	10.000%	10.000%	10.000%	10.000%

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: CCB Operator:
Comment:
Run Time: 10/17/05 12:39 Type: Blank Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.01398	.00051	-.00137	.00322	.00017
Stddev	.01958	.00118	.00552	.00214	.00013
%RSD	140.03	231.45	404.42	66.601	76.057
#1	-.00074	.00120	-.00763	.00566	.00013
#2	-.03648	-.00085	.00282	.00230	.00007
#3	-.00473	.00118	.00071	.00168	.00032
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.20000	.00500	.01000	.05000	.00250
Low Limit	-.20000	-.00500	-.01000	-.05000	-.00250

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00005	.00361	.00010	-.00073	.00002
Stddev	.00004	.01229	.00062	.00029	.00005
%RSD	66.160	340.97	648.62	39.946	297.25
#1	.00006	.00802	.00068	-.00083	-.00003
#2	.00009	-.01029	.00017	-.00097	.00008
#3	.00002	.01308	-.00056	-.00040	.00001
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00025	.05000	.00100	.00250	.00250
Low Limit	-.00025	-.05000	-.00100	-.00250	-.00250

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00141	-.00535	.15950	.00011	.00645
Stddev	.00165	.00402	.00822	.00010	.06199
%RSD	116.48	75.193	5.1564	96.097	960.50
#1	-.00301	-.00816	.16272	.00001	-.05265
#2	.00027	-.00714	.16563	.00021	.00103
#3	-.00150	-.00074	.15015	.00010	.07098
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.01000	.02000	.25000	.05000	.10000
Low Limit	-.01000	-.02000	-.25000	-.05000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00001	.00156	H .55298	-.00051	-.00020
Stddev	.00003	.00013	.02454	.00029	.00859
%RSD	257.06	8.6253	4.4376	56.547	4307.0
#1	.00001	.00148	.56711	-.00027	-.00517
#2	-.00002	.00171	.56718	-.00043	-.00515
#3	.00005	.00148	.52464	-.00084	.00972
Check ?	LC Pass	LC Pass	LC Fail	LC Pass	LC Pass
High Limit	.00250	.05000	.10000	.01000	.01000
Low Limit	-.00250	-.05000	-.10000	-.01000	-.01000

Approved: October 18, 2005

Sample Name: CCB Run Time: 10/17/05 12:39

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00592	-.00419	-.00185	.00151	-.00084
Stddev	.00634	.00336	.00225	.00205	.00139
%RSD	107.16	80.208	121.69	135.33	165.57
#1	.00591	-.00175	.00074	.00095	-.00142
#2	.01226	-.00802	-.00293	.00379	.00075
#3	-.00042	-.00279	-.00336	-.00019	-.00185
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.02000	.01000	.25000	.20000	.00500
Low Limit	-.02000	-.01000	-.25000	-.20000	-.00500

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	-.00061	-.00483	.00044	.00022
Stddev	.00060	.01339	.00056	.00020
%RSD	98.437	277.08	125.90	92.041
#1	-.00045	.00945	.00076	.00037
#2	-.00011	-.01710	.00076	-.00001
#3	-.00127	-.00685	-.00020	.00028
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.01500	.02000	.00728	.01000
Low Limit	-.01500	-.02000	-.00728	-.01000

Approved: October 18, 2005

Sheri L. Blakgrad

Method: CLP3 Sample Name: PBS C4 Operator: SLP
Comment: WG198562-02
Run Time: 10/17/05 12:49 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	.09058	.00135	-.00137	.00144	.00036
Stddev	.04510	.00124	.00208	.00022	.00023
%RSD	49.790	91.895	152.27	14.948	64.853
#1	.14220	-.00004	-.00345	.00137	.00011
#2	.07068	.00176	-.00136	.00168	.00057
#3	.05884	.00234	.00071	.00127	.00039
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.20000	.00800	.02000	.10000	.01000
Low Limit	-.20000	-.00800	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00003	.05646	.00075	-.00071	.00120
Stddev	.00004	.00765	.00045	.00040	.00047
%RSD	133.74	13.552	60.160	57.219	39.562
#1	-.00005	.05405	.00104	-.00067	.00174
#2	-.00006	.05030	.00098	-.00113	.00098
#3	.00002	.06502	.00023	-.00032	.00087
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00050	.20000	.00200	.00500	.00500
Low Limit	-.00050	-.20000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00167	.00364	.15240	.00009	.00018
Stddev	.00102	.00349	.01915	.00007	.03535
%RSD	61.310	95.728	12.566	74.485	19849.
#1	-.00226	.00012	.16371	.00004	-.03532
#2	-.00226	.00709	.16321	.00007	.03537
#3	-.00049	.00372	.13029	.00017	.00049
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00500	.04000	.50000	.10000	.10000
Low Limit	-.00500	-.04000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00173	-.00028	H .52013	.00016	.00035
Stddev	.00003	.00080	.01031	.00053	.00126
%RSD	1.6048	288.13	1.9814	329.05	362.95
#1	.00171	-.00121	.50823	.00070	-.00106
#2	.00177	.00019	.52625	.00013	.00075
#3	.00172	.00018	.52590	-.00035	.00135
Check ?	LC Pass	LC Pass	LC Fail	LC Pass	LC Pass
High Limit	.01000	.10000	.50000	.02000	.02000
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005

Sample Name: PBS C4 Run Time: 10/17/05 12:49

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00543	-.00645	.00726	.02672	-.00118
Stddev	.00473	.00218	.00173	.00263	.00046
%RSD	87.217	33.767	23.895	9.8332	39.231
#1	.00724	-.00714	.00752	.02824	-.00099
#2	.00898	-.00401	.00884	.02369	-.00171
#3	.00006	-.00821	.00540	.02824	-.00084
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.02000	.02000	1.0000	.50000	.01000
Low Limit	-.02000	-.02000	-1.0000	-.50000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.00001	-.01230	-.00117	.01026
Stddev	.00049	.00775	.00085	.00022
%RSD	4889.3	62.998	72.715	2.1558
#1	.00058	-.00348	-.00214	.01026
#2	-.00031	-.01799	-.00054	.01005
#3	-.00024	-.01544	-.00084	.01049
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.03000	.04000	.01000	.02000
Low Limit	-.03000	-.04000	-.01000	-.02000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: LCSS C4 Operator: SLP
Comment: WG198562-03
Run Time: 10/17/05 12:55 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	4.9615	.19497	.19339	4.9083	.49913
Stddev	.0161	.00334	.00695	.0066	.00290
%RSD	.32538	1.7125	3.5940	.13434	.58139
#1	4.9521	.19113	.18888	4.9100	.50009
#2	4.9802	.19659	.18991	4.9140	.50144
#3	4.9523	.19719	.20140	4.9011	.49588
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	6.0000	.24000	.24000	6.0000	.60000
Low Limit	4.0000	.16000	.16000	4.0000	.40000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.02499	5.0123	.02521	.10016	.24873
Stddev	.00023	.0341	.00075	.00058	.00044
%RSD	.90487	.68072	2.9701	.57957	.17806
#1	.02479	4.9991	.02450	.09954	.24902
#2	.02523	5.0511	.02515	.10069	.24895
#3	.02495	4.9868	.02599	.10027	.24822
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.03000	6.0000	.03000	.12000	.30000
Low Limit	.02000	4.0000	.02000	.08000	.20000

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.25654	2.0218	24.173	.50792	4.7421
Stddev	.00135	.0117	.260	.00594	.0527
%RSD	.52537	.57924	1.0753	1.1694	1.1112
#1	.25601	2.0296	24.305	.50855	4.6891
#2	.25807	2.0274	24.341	.51352	4.7944
#3	.25553	2.0083	23.874	.50169	4.7428
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.30000	2.4000	30.000	.60000	6.0000
Low Limit	.20000	1.6000	20.000	.40000	4.0000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.25367	.50728	25.540	.25277	.25229
Stddev	.00047	.00018	.238	.00051	.00275
%RSD	.18645	.03579	.93241	.20087	1.0889
#1	.25326	.50744	25.592	.25334	.25388
#2	.25419	.50708	25.748	.25237	.25386
#3	.25356	.50732	25.280	.25261	.24911
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.30000	.60000	30.000	.30000	.30000
Low Limit	.20000	.40000	20.000	.20000	.20000

Approved: October 18, 2005

Sample Name: LCSS C4 Run Time: 10/17/05 12:55

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.57406	.18804	2.4196	.52316	.50206
Stddev	.00440	.00903	.0100	.00280	.00227
%RSD	.76698	4.8008	.41107	.53560	.45123
#1	.57703	.19782	2.4083	.52183	.50048
#2	.56900	.18629	2.4233	.52638	.50466
#3	.57614	.18003	2.4271	.52126	.50104
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.72000	.24000	3.0000	.60000	.60000
Low Limit	.48000	.16000	2.0000	.40000	.40000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.49009	.23795	.49212	.48827
Stddev	.00408	.00409	.00467	.00078
%RSD	.83209	1.7170	.94981	.16023
#1	.48586	.23638	.48672	.48763
#2	.49400	.23488	.49482	.48914
#3	.49041	.24259	.49482	.48805
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.60000	.30000	.60000	.60000
Low Limit	.40000	.20000	.40000	.40000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051020401 Operator: SLP
Comment:
Run Time: 10/17/05 13:01 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	398.36	.02642	.06105	.07143	4.0318
Stddev	1.41	.00349	.01097	.00116	.0124
%RSD	.35357	13.194	17.966	1.6290	.30646
#1	396.75	.02240	.06077	.07277	4.0195
#2	398.98	.02820	.07216	.07087	4.0442
#3	399.35	.02865	.05023	.07066	4.0315
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00851	73.721	.01842	.31049	.76589
Stddev	.00005	.264	.00041	.00041	.00121
%RSD	.54858	.35804	2.2434	.13098	.15786
#1	.00849	73.417	.01864	.31092	.76556
#2	.00848	73.891	.01794	.31042	.76723
#3	.00856	73.854	.01867	.31012	.76489
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.6834	533.57	13.293	.09889	71.966
Stddev	.0080	.75	.052	.00079	.424
%RSD	.47413	.13992	.39314	.79458	.58886
#1	1.6742	534.42	13.251	.09826	71.569
#2	1.6876	533.28	13.275	.09863	72.412
#3	1.6885	533.01	13.351	.09977	71.916
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	10.106	.00497	3.2747	.42886	1.5639
Stddev	.006	.00239	.0099	.00121	.0132
%RSD	.06217	48.056	.30137	.28101	.84656
#1	10.103	.00726	3.2840	.43022	1.5717
#2	10.113	.00516	3.2643	.42842	1.5714
#3	10.101	.00249	3.2760	.42793	1.5486
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005
Sheri L. Blakgard

Sample Name: L051020401 Run Time: 10/17/05 13:01

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00357	.00020	4.2999	.04492	.65846
Stddev	.00493	.01882	.0143	.00460	.00333
%RSD	138.11	9589.4	.33342	10.232	.50596
#1	.00176	-.00083	4.2834	.04075	.66200
#2	-.00451	-.01809	4.3094	.04416	.65539
#3	-.00797	.01951	4.3068	.04985	.65798
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	11.998	-.01636	1.3638	1.8625
Stddev	.053	.00340	.0096	.0052
%RSD	.44181	20.789	.70234	.27764
#1	11.938	-.01393	1.3534	1.8565
#2	12.036	-.01490	1.3723	1.8658
#3	12.021	-.02024	1.3657	1.8652
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051020402 Operator: SLP
Comment: WG198562-01
Run Time: 10/17/05 13:07 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	379.79	.02610	.06130	.06753	3.5721
Stddev	.68	.00217	.00670	.00137	.0081
%RSD	.17940	8.3315	10.924	2.0249	.22634
#1	380.26	.02860	.06894	.06843	3.5667
#2	380.10	.02463	.05644	.06596	3.5814
#3	379.01	.02508	.05852	.06820	3.5683
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00771	80.008	.01769	.32935	.73916
Stddev	.00010	.233	.00008	.00135	.00227
%RSD	1.2518	.29163	.44301	.40969	.30646
#1	.00761	79.745	.01763	.32927	.73777
#2	.00771	80.188	.01778	.33074	.73793
#3	.00780	80.092	.01766	.32805	.74177
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.5312	517.48	14.693	.09504	73.597
Stddev	.0032	.69	.042	.00056	.611
%RSD	.21056	.13312	.28680	.58839	.82954
#1	1.5305	517.50	14.667	.09566	72.952
#2	1.5347	518.16	14.741	.09485	73.674
#3	1.5284	516.78	14.669	.09459	74.166
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	10.354	.00426	2.9309	.39137	1.6600
Stddev	.016	.00066	.0354	.00051	.0046
%RSD	.15046	15.496	1.2073	.12933	.27762
#1	10.338	.00500	2.9657	.39159	1.6640
#2	10.356	.00373	2.9322	.39079	1.6611
#3	10.369	.00406	2.8949	.39174	1.6550
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005
Sheri L. Pokorny

Sample Name: L051020402 Run Time: 10/17/05 13:07

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00319	.00171	4.6778	.04018	.62119
Stddev	.00445	.01175	.0214	.00521	.00808
%RSD	139.31	687.48	.45701	12.970	1.3008
#1	-.00624	-.00590	4.6743	.03563	.62933
#2	-.00524	.01524	4.6584	.04587	.62108
#3	.00191	-.00421	4.7007	.03905	.61317
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	12.685	-.01532	1.3717	1.8923
Stddev	.033	.00662	.0086	.0053
%RSD	.25930	43.212	.62554	.28178
#1	12.651	-.00849	1.3624	1.8894
#2	12.717	-.01577	1.3735	1.8889
#3	12.687	-.02171	1.3793	1.8984
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051020402S Operator: SLP
Comment: WG198562-04
Run Time: 10/17/05 13:13 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	578.48	.21371	.23549	4.2930	4.0408
Stddev	1.84	.00232	.00585	.0055	.0120
%RSD	.31869	1.0844	2.4855	.12755	.29787
#1	580.37	.21145	.24199	4.2992	4.0506
#2	576.69	.21359	.23384	4.2889	4.0274
#3	578.38	.21608	.23064	4.2910	4.0444
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.03179	101.17	.04148	.41825	1.0970
Stddev	.00013	.49	.00055	.00213	.0021
%RSD	.42177	.48274	1.3368	.50980	.19029
#1	.03164	100.80	.04117	.41579	1.0951
#2	.03182	100.99	.04212	.41947	1.0968
#3	.03191	101.73	.04115	.41950	1.0992
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	2.0574	577.91	37.881	.59282	81.246
Stddev	.0063	2.43	.154	.00359	.788
%RSD	.30460	.41981	.40730	.60562	.97034
#1	2.0646	575.13	38.057	.59696	80.452
#2	2.0546	579.59	37.770	.59100	81.258
#3	2.0530	579.02	37.816	.59051	82.028
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	10.549	.43088	26.279	.69782	1.7060
Stddev	.020	.00453	.107	.00092	.0155
%RSD	.18547	1.0504	.40684	.13206	.90645
#1	10.527	.42565	26.401	.69688	1.6881
#2	10.556	.43344	26.203	.69785	1.7153
#3	10.564	.43355	26.232	.69872	1.7146
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005
Sheri L. Pokorny

Sample Name: L051020402S Run Time: 10/17/05 13:13

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.32176	.18280	5.7351	.49018	1.1492
Stddev	.00642	.00530	.0269	.00143	.0105
%RSD	1.9950	2.9017	.46842	.29119	.91211
#1	.32643	.17671	5.7644	.49169	1.1380
#2	.32441	.18646	5.7116	.48886	1.1507
#3	.31444	.18522	5.7294	.48998	1.1588
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	16.590	.20865	2.0065	2.5354
Stddev	.059	.01020	.0129	.0006
%RSD	.35276	4.8890	.64297	.02443
#1	16.563	.20031	1.9949	2.5362
#2	16.551	.20562	2.0042	2.5350
#3	16.658	.22003	2.0204	2.5352
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051020402SD Operator: SLP
Comment: WG198562-05
Run Time: 10/17/05 13:19 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	530.98	.21568	.23682	4.2745	4.0009
Stddev	2.39	.00105	.00110	.0061	.0071
%RSD	.44957	.48513	.46441	.14266	.17755
#1	528.35	.21688	.23573	4.2716	3.9936
#2	531.56	.21496	.23679	4.2704	4.0011
#3	533.02	.21520	.23793	4.2815	4.0078
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.03144	100.03	.03981	.42536	1.2104
Stddev	.00016	.47	.00056	.00276	.0053
%RSD	.50371	.46983	1.4133	.64963	.44135
#1	.03128	99.525	.03948	.42328	1.2043
#2	.03159	100.12	.03950	.42429	1.2135
#3	.03146	100.45	.04046	.42849	1.2135
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.5853	578.70	36.412	.59314	77.531
Stddev	.0042	3.54	.273	.00526	.614
%RSD	.26764	.61164	.74845	.88675	.79242
#1	1.5808	575.27	36.662	.59834	77.315
#2	1.5859	578.49	36.453	.59326	78.224
#3	1.5892	582.34	36.122	.58782	77.054
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	9.9593	.43677	26.300	.65719	2.4870
Stddev	.0349	.00557	.254	.00350	.0275
%RSD	.35075	1.2745	.96567	.53185	1.1042
#1	9.9219	.43436	26.496	.65436	2.4610
#2	9.9647	.43282	26.391	.65611	2.4841
#3	9.9912	.44314	26.013	.66110	2.5157
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005

Sample Name: L051020402SD Run Time: 10/17/05 13:19

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.34922	.19397	5.3109	.49321	1.1801
Stddev	.00738	.01791	.0096	.00473	.0132
%RSD	2.1128	9.2313	.18087	.95975	1.1225
#1	.35130	.18121	5.3004	.48942	1.1657
#2	.34102	.21444	5.3194	.49169	1.1830
#3	.35534	.18627	5.3128	.49851	1.1917
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	15.894	.20729	1.9612	2.5392
Stddev	.073	.00200	.0088	.0069
%RSD	.46093	.96558	.44934	.27066
#1	15.812	.20648	1.9593	2.5313
#2	15.917	.20957	1.9707	2.5426
#3	15.954	.20582	1.9534	2.5438
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051020902 Operator: SLP
Comment:
Run Time: 10/17/05 13:25 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	166.85	.01080	.13298	.24993	.98430
Stddev	.92	.00233	.00695	.00083	.00413
%RSD	.55339	21.619	5.2294	.33215	.41985
#1	166.75	.01347	.12497	.24997	.98300
#2	167.83	.00917	.13749	.25074	.98892
#3	165.99	.00975	.13648	.24908	.98097
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00639	H 1432.1	.01083	.06903	.24006
Stddev	.00007	6.6	.00031	.00059	.00124
%RSD	1.1139	.45864	2.8411	.85469	.51450
#1	.00636	1431.0	.01053	.06842	.23928
#2	.00634	1439.2	.01081	.06960	.23941
#3	.00647	1426.2	.01114	.06907	.24149
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.23944	220.83	12.799	.21611	848.27
Stddev	.00118	.21	.057	.00104	5.60
%RSD	.49449	.09717	.44912	.47972	.66063
#1	.23815	220.58	12.753	.21514	842.82
#2	.24048	220.95	12.864	.21720	847.97
#3	.23969	220.95	12.781	.21599	854.02
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	5.0402	.01163	2.7767	.51146	.46002
Stddev	.0153	.00139	.0303	.00252	.00023
%RSD	.30417	11.990	1.0897	.49306	.04913
#1	5.0281	.01303	2.8007	.50869	.46027
#2	5.0350	.01024	2.7867	.51362	.45983
#3	5.0574	.01162	2.7427	.51207	.45996
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005

Sample Name: L051020902 Run Time: 10/17/05 13:25

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00439	-.00204	4.6652	.03090	.71126
Stddev	.00141	.03021	.0360	.00370	.00540
%RSD	32.074	1477.8	.77241	11.975	.75923
#1	.00320	.01749	4.6302	.03109	.71227
#2	.00401	-.03684	4.6630	.02710	.70543
#3	.00594	.01322	4.7022	.03450	.71609
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	2.0197	-.03408	.32219	1.1108
Stddev	.0106	.01052	.00284	.0054
%RSD	.52330	30.874	.88044	.48820
#1	2.0154	-.03186	.31912	1.1060
#2	2.0317	-.02484	.32472	1.1098
#3	2.0120	-.04553	.32274	1.1167
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgard

Method: CLP3 Sample Name: L051020902SDL 0.2 Operator: SLP
Comment: WG198639-04
Run Time: 10/17/05 13:31 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	34.040	.00450	.02900	.05752	.19939
Stddev	.249	.00240	.00366	.00035	.00036
%RSD	.73041	53.308	12.634	.60728	.18194
#1	34.155	.00674	.03283	.05740	.19957
#2	33.755	.00480	.02865	.05725	.19898
#3	34.210	.00197	.02552	.05792	.19964
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00135	320.12	.00240	.01646	.05530
Stddev	.00010	.20	.00018	.00044	.00019
%RSD	7.4954	.06264	7.4114	2.6936	.34597
#1	.00135	320.11	.00222	.01599	.05517
#2	.00146	320.32	.00242	.01687	.05521
#3	.00125	319.92	.00257	.01652	.05552
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04792	50.306	2.7398	.04807	174.41
Stddev	.00280	.062	.0336	.00040	.92
%RSD	5.8438	.12248	1.2258	.82769	.52612
#1	.04810	50.341	2.7274	.04803	173.35
#2	.04504	50.235	2.7141	.04770	174.86
#3	.05063	50.343	2.7778	.04849	175.00
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.2012	.00313	.66374	.12341	.11554
Stddev	.0015	.00146	.00785	.00111	.00646
%RSD	.12507	46.529	1.1826	.90112	5.5883
#1	1.2020	.00159	.67281	.12366	.11866
#2	1.1995	.00448	.65938	.12220	.10811
#3	1.2022	.00333	.65905	.12438	.11984
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005

Sample Name: L051020902SDL 0.2 Run Time: 10/17/05 13:31

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00120	-.00512	1.2379	.00967	.16647
Stddev	.00186	.00541	.0019	.00087	.00306
%RSD	154.94	105.53	.15392	8.9860	1.8408
#1	-.00180	.00084	1.2394	.00948	.16754
#2	-.00268	-.00970	1.2385	.01061	.16301
#3	.00089	-.00650	1.2358	.00891	.16885
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.41030	-.01740	.07059	.24691
Stddev	.00075	.00227	.00377	.00072
%RSD	.18333	13.059	5.3381	.29127
#1	.41032	-.01560	.07405	.24626
#2	.40954	-.01664	.06658	.24768
#3	.41105	-.01995	.07115	.24680
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051020902SDL 0.04 Operator: SLP
Comment: WG198639-04
Run Time: 10/17/05 13:37 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	6.9975	.00444	.00191	.00903	.04099
Stddev	.0339	.00066	.00454	.00049	.00011
%RSD	.48494	14.964	237.77	5.4385	.27209
#1	7.0025	.00483	.00712	.00915	.04105
#2	7.0288	.00482	-.00121	.00849	.04105
#3	6.9614	.00368	-.00018	.00944	.04086
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00032	67.528	.00151	.00282	.01101
Stddev	.00002	.216	.00059	.00098	.00070
%RSD	6.6517	.31967	38.852	34.866	6.3312
#1	.00034	67.662	.00210	.00179	.01053
#2	.00033	67.279	.00092	.00375	.01181
#3	.00030	67.643	.00152	.00291	.01070
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00724	9.9900	.55932	.01009	35.989
Stddev	.00039	.0358	.02172	.00014	.171
%RSD	5.4090	.35833	3.8830	1.4228	.47413
#1	.00716	10.001	.56565	.00994	35.855
#2	.00690	10.019	.53514	.01010	35.931
#3	.00767	9.9499	.57718	.01022	36.181
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.24145	-.00039	.19281	.02621	.02140
Stddev	.00075	.00110	.00699	.00049	.00148
%RSD	.31088	280.95	3.6235	1.8525	6.9037
#1	.24117	.00046	.20087	.02670	.02121
#2	.24230	-.00163	.18904	.02572	.02297
#3	.24088	.00000	.18851	.02621	.02004
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005

Sample Name: L051020902SDL 0.04 Run Time: 10/17/05 13:37

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00131	-.00687	.23913	.00493	.03947
Stddev	.00319	.00685	.00090	.00429	.00061
%RSD	243.10	99.749	.37703	87.141	1.5497
#1	-.00461	.00045	.23913	.00436	.03904
#2	.00175	-.01313	.23823	.00948	.03919
#3	-.00107	-.00792	.24003	.00095	.04017
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.08555	-.00487	.01314	.04849
Stddev	.00026	.00393	.00068	.00041
%RSD	.30491	80.788	5.2059	.84610
#1	.08574	-.00915	.01294	.04869
#2	.08525	-.00403	.01258	.04877
#3	.08566	-.00142	.01390	.04802
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051020902PS 0.9 Operator: SLP
Comment: WG198639-03
Run Time: 10/17/05 13:43 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	154.30	.19484	.28887	4.3916	1.3420
Stddev	.60	.02285	.00554	.4304	.0440
%RSD	.38691	11.728	1.9182	9.8012	3.2779
#1	154.52	.17478	.28467	3.9844	1.2993
#2	154.75	.19003	.28679	4.3485	1.3395
#3	153.62	.21972	.29515	4.8420	1.3872
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.02691	H 1304.0	.03140	.13837	.41561
Stddev	.00232	8.8	.00186	.00703	.02006
%RSD	8.6375	.67100	5.9114	5.0824	4.8273
#1	.02474	1306.8	.02987	.13195	.39658
#2	.02663	1311.1	.03087	.13728	.41369
#3	.02936	1294.3	.03347	.14589	.43656
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.45233	200.26	33.921	.62476	784.06
Stddev	.02625	1.00	2.188	.04341	4.28
%RSD	5.8023	.49938	6.4504	6.9485	.54646
#1	.42731	200.82	31.853	.58408	782.89
#2	.45002	200.85	33.699	.61974	788.81
#3	.47965	199.10	36.212	.67047	780.48
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	4.7981	.41109	23.916	.65235	.60492
Stddev	.0102	.04133	2.247	.01769	.01502
%RSD	.21173	10.053	9.3967	2.7113	2.4835
#1	4.8013	.37203	21.812	.63514	.59123
#2	4.8063	.40688	23.653	.65142	.60254
#3	4.7867	.45437	26.283	.67048	.62099
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005

Sample Name: L051020902PS 0.9 Run Time: 10/17/05 13:43

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.53227	.17646	7.0497	.02710	1.0132
Stddev	.05362	.01922	.0586	.00301	.0366
%RSD	10.075	10.891	.83143	11.101	3.6095
#1	.48004	.15427	6.9822	.02369	.97930
#2	.52958	.18785	7.0788	.02938	1.0083
#3	.58719	.18726	7.0880	.02824	1.0520
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	2.2625	.16300	.72311	1.4456
Stddev	.0326	.02640	.04589	.0360
%RSD	1.4391	16.196	6.3462	2.4880
#1	2.2279	.15114	.67965	1.4098
#2	2.2671	.14460	.71859	1.4450
#3	2.2925	.19325	.77109	1.4818
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: CCV Operator:
Comment:
Run Time: 10/17/05 13:49 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	10.146	.39333	.39901	9.4583	1.0383
Stddev	.036	.00083	.00376	.0095	.0031
%RSD	.35247	.21185	.94331	.10082	.29608
#1	10.120	.39243	.39796	9.4652	1.0360
#2	10.131	.39408	.40319	9.4474	1.0371
#3	10.187	.39347	.39589	9.4623	1.0418
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	.40000	.40000	10.000	1.0000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04861	9.7770	.05083	.20130	.49263
Stddev	.00013	.0610	.00055	.00113	.00148
%RSD	.26541	.62436	1.0787	.55934	.29948
#1	.04849	9.7202	.05145	.20164	.49431
#2	.04875	9.7693	.05059	.20005	.49201
#3	.04860	9.8415	.05044	.20223	.49157
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.05000	10.000	.05000	.20000	.50000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.50822	4.0499	50.584	1.0137	9.6146
Stddev	.00268	.0150	.198	.0052	.2456
%RSD	.52711	.36979	.39150	.51463	2.5547
#1	.50924	4.0612	50.636	1.0161	9.3632
#2	.50518	4.0329	50.366	1.0077	9.8540
#3	.51023	4.0556	50.752	1.0172	9.6267
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	4.0000	50.000	1.0000	10.000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.49751	1.0190	50.488	.50615	.51602
Stddev	.00147	.0036	.132	.00259	.00580
%RSD	.29626	.34917	.26049	.51238	1.1232
#1	.49901	1.0193	50.467	.50898	.52238
#2	.49743	1.0153	50.369	.50389	.51105
#3	.49607	1.0224	50.629	.50559	.51463
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	1.0000	50.000	.50000	.50000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Approved: October 18, 2005
Sheri L. Pokorny

Sample Name: CCV Run Time: 10/17/05 13:49

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.1900	.40533	Q .00786	1.0386	.99978
Stddev	.0064	.01483	.00369	.0069	.00627
%RSD	.54111	3.6595	46.926	.66111	.62698
#1	1.1825	.42135	.01113	1.0450	1.0056
#2	1.1931	.39208	.00858	1.0313	.99312
#3	1.1942	.40256	.00386	1.0393	1.0007
Check ?	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	1.2000	.40000	5.0000	1.0000	1.0000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.97048	.49432	.97766	.97682
Stddev	.00240	.00907	.00277	.00170
%RSD	.24723	1.8353	.28330	.17367
#1	.96772	.50295	.98080	.97772
#2	.97165	.49514	.97657	.97787
#3	.97208	.48486	.97559	.97486
Check ?	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.50000	1.0000	1.0000
Range	10.000%	10.000%	10.000%	10.000%

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: CCB Operator:
Comment:
Run Time: 10/17/05 13:55 Type: Blank Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00716	.00166	.00038	.00165	.00016
Stddev	.06532	.00126	.00573	.00139	.00017
%RSD	912.08	76.250	1500.2	84.256	105.72
#1	.08255	.00025	.00593	.00323	.00036
#2	-.02851	.00268	-.00552	.00065	.00010
#3	-.03256	.00205	.00073	.00106	.00003
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.20000	.00500	.01000	.05000	.00250
Low Limit	-.20000	-.00500	-.01000	-.05000	-.00250

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00004	.01039	-.00002	-.00017	-.00011
Stddev	.00002	.01102	.00034	.00079	.00030
%RSD	43.283	106.02	2007.6	458.20	269.11
#1	.00002	.01599	-.00007	-.00023	.00001
#2	.00004	.01749	.00035	.00065	.00011
#3	.00005	-.00230	-.00033	-.00093	-.00045
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00025	.05000	.00100	.00250	.00250
Low Limit	-.00025	-.05000	-.00100	-.00250	-.00250

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00243	-.00106	-.00559	-.00009	.00657
Stddev	.00155	.00215	.01947	.00016	.04062
%RSD	63.701	203.72	348.14	182.15	618.61
#1	-.00378	.00056	-.01916	.00008	-.01639
#2	-.00276	-.00350	-.01433	-.00024	-.01737
#3	-.00074	-.00023	.01671	-.00011	.05346
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.01000	.02000	.25000	.05000	.10000
Low Limit	-.01000	-.02000	-.25000	-.05000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00003	.00140	.05493	-.00030	.00198
Stddev	.00002	.00029	.00592	.00005	.00447
%RSD	63.946	20.844	10.783	15.746	226.47
#1	.00001	.00113	.05936	-.00027	.00611
#2	.00005	.00137	.05723	-.00035	-.00277
#3	.00003	.00171	.04820	-.00027	.00259
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00250	.05000	.10000	.01000	.01000
Low Limit	-.00250	-.05000	-.10000	-.01000	-.01000

Approved: October 18, 2005
Sheri L. Blakgard

Sample Name: CCB Run Time: 10/17/05 13:55

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01129	-.00349	-.00056	-.00019	-.00132
Stddev	.00823	.00697	.00179	.00171	.00271
%RSD	72.867	199.86	322.02	893.21	205.48
#1	.00411	-.01116	.00151	.00151	-.00372
#2	.02027	.00244	-.00158	-.00190	.00161
#3	.00950	-.00174	-.00159	-.00019	-.00185
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.02000	.01000	.25000	.20000	.00500
Low Limit	-.02000	-.01000	-.25000	-.20000	-.00500

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	-.00047	-.00115	-.00074	.00013
Stddev	.00078	.01067	.00178	.00033
%RSD	165.52	928.15	239.90	254.15
#1	.00017	.00937	-.00247	.00051
#2	-.00133	-.01196	.00109	-.00009
#3	-.00024	-.00086	-.00085	-.00003
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.01500	.02000	.00728	.01000
Low Limit	-.01500	-.02000	-.00728	-.01000

Approved: October 18, 2005

Sheri L. Blakgard

Method: CLP3 Sample Name: L051020903 Operator: SLP
Comment:
Run Time: 10/17/05 14:01 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	232.76	.01588	.15065	.14904	1.2760
Stddev	.17	.00094	.00691	.00094	.0036
%RSD	.07435	5.8948	4.5860	.63314	.28357
#1	232.56	.01695	.15231	.14943	1.2784
#2	232.86	.01552	.15657	.14972	1.2778
#3	232.85	.01518	.14306	.14796	1.2718
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01116	586.56	.07071	.13988	.37254
Stddev	.00005	1.19	.00034	.00062	.00112
%RSD	.42796	.20316	.48389	.44174	.30076
#1	.01119	585.21	.07076	.14024	.37126
#2	.01111	586.98	.07103	.13917	.37330
#3	.01118	587.47	.07035	.14024	.37307
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.86537	307.92	14.327	.23361	176.52
Stddev	.00253	1.72	.055	.00108	.91
%RSD	.29234	.55911	.38640	.46440	.51728
#1	.86245	306.14	14.368	.23472	177.43
#2	.86669	308.03	14.349	.23357	176.51
#3	.86696	309.58	14.264	.23255	175.61
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	3.2651	.00783	1.2346	6.0965	.65063
Stddev	.0097	.00116	.0053	.0183	.00241
%RSD	.29797	14.863	.42785	.29948	.37014
#1	3.2544	.00880	1.2332	6.0787	.64794
#2	3.2674	.00654	1.2405	6.0957	.65138
#3	3.2735	.00816	1.2302	6.1152	.65258
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005

Sample Name: L051020903 Run Time: 10/17/05 14:01

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.03749	L -.03479	5.2748	.03658	.84502
Stddev	.01333	.01804	.0025	.00323	.01131
%RSD	35.551	51.860	.04655	8.8401	1.3380
#1	.02218	-.03361	5.2769	.03393	.84084
#2	.04377	-.05339	5.2721	.03563	.85782
#3	.04651	-.01736	5.2754	.04018	.83640
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	2.0244	-.02529	.47694	6.4501
Stddev	.0028	.00434	.00241	.0162
%RSD	.14013	17.157	.50562	.25079
#1	2.0220	-.02097	.47833	6.4314
#2	2.0275	-.02525	.47833	6.4590
#3	2.0237	-.02965	.47415	6.4599
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051020904 Operator: SLP
Comment:
Run Time: 10/17/05 14:07 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	206.44	.01656	.11256	.14257	1.0995
Stddev	.46	.00054	.00417	.00090	.0036
%RSD	.22180	3.2491	3.7084	.63029	.32822
#1	205.94	.01611	.10839	.14218	1.0963
#2	206.84	.01641	.11674	.14360	1.1034
#3	206.53	.01716	.11256	.14194	1.0988
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00885	208.40	.06981	.14871	.38748
Stddev	.00010	1.20	.00048	.00109	.00025
%RSD	1.1372	.57511	.68312	.72964	.06384
#1	.00889	208.16	.06926	.14799	.38724
#2	.00892	209.70	.07008	.14996	.38774
#3	.00873	207.34	.07009	.14818	.38747
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.1991	284.56	12.922	.18298	103.27
Stddev	.0081	.70	.049	.00423	.92
%RSD	.67765	.24731	.38121	2.3139	.88854
#1	1.1910	283.75	12.979	.18776	103.58
#2	1.1989	284.97	12.894	.17973	103.99
#3	1.2073	284.95	12.894	.18143	102.23
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.9546	.00642	1.2467	12.109	.70605
Stddev	.0027	.00099	.0035	.006	.00172
%RSD	.14029	15.396	.28398	.05196	.24405
#1	1.9538	.00551	1.2506	12.114	.70624
#2	1.9576	.00747	1.2459	12.110	.70767
#3	1.9523	.00628	1.2437	12.102	.70424
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005
Sheri L. Blakgard

Sample Name: L051020904 Run Time: 10/17/05 14:07

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04256	L -.03296	5.0537	.04075	.35539
Stddev	.00774	.00651	.0140	.00296	.00332
%RSD	18.195	19.740	.27751	7.2517	.93558
#1	.05073	-.03621	5.0624	.03905	.35211
#2	.04164	-.02546	5.0611	.03905	.35875
#3	.03532	-.03719	5.0375	.04416	.35531
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	1.8451	-.02789	.41143	7.4198
Stddev	.0063	.00804	.00383	.0238
%RSD	.33955	28.815	.92972	.32055
#1	1.8394	-.03013	.41377	7.4312
#2	1.8518	-.01897	.41351	7.4357
#3	1.8441	-.03457	.40702	7.3925
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051020905 Operator: SLP
Comment:
Run Time: 10/17/05 14:13 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	296.52	.01787	.19783	.12995	1.7691
Stddev	.43	.00141	.00646	.00155	.0027
%RSD	.14610	7.8989	3.2678	1.1949	.15080
#1	296.87	.01696	.20507	.12852	1.7705
#2	296.04	.01950	.19580	.13160	1.7661
#3	296.66	.01716	.19263	.12972	1.7708
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01336	307.89	.06458	.17312	.61812
Stddev	.00003	1.13	.00081	.00151	.00350
%RSD	.20621	.36644	1.2563	.87433	.56580
#1	.01333	308.26	.06364	.17155	.61417
#2	.01337	306.63	.06502	.17457	.61938
#3	.01338	308.79	.06507	.17324	.62081
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.1692	338.15	16.955	.27189	164.64
Stddev	.0029	1.45	.055	.00165	1.22
%RSD	.25146	.42905	.32263	.60525	.74299
#1	1.1726	336.49	16.918	.27059	163.70
#2	1.1676	339.15	16.928	.27134	164.20
#3	1.1675	338.83	17.018	.27374	166.02
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	5.8569	.01065	1.3801	8.2329	2.0147
Stddev	.0318	.00144	.0096	.0502	.0096
%RSD	.54317	13.505	.69877	.60942	.47874
#1	5.8205	.01044	1.3734	8.1750	2.0038
#2	5.8793	.00932	1.3757	8.2607	2.0178
#3	5.8709	.01218	1.3911	8.2631	2.0223
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005

Sample Name: L051020905 Run Time: 10/17/05 14:13

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01976	-.00714	5.5413	.04341	.44478
Stddev	.00722	.01229	.0384	.00313	.00912
%RSD	36.553	172.15	.69248	7.2146	2.0503
#1	.01249	-.00772	5.4976	.04132	.44703
#2	.02693	-.01912	5.5571	.04189	.43475
#3	.01985	.00543	5.5694	.04701	.45257
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	1.8822	-.03858	.52879	3.8519
Stddev	.0016	.01185	.00283	.0307
%RSD	.08530	30.721	.53486	.79806
#1	1.8839	-.02861	.52555	3.8189
#2	1.8821	-.03544	.53009	3.8570
#3	1.8807	-.05169	.53074	3.8798
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051020906 Operator: SLP
Comment:
Run Time: 10/17/05 14:23 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	318.87	.02047	.19882	.13092	1.8809
Stddev	2.39	.00177	.00515	.00024	.0146
%RSD	.74855	8.6682	2.5925	.18200	.77816
#1	316.11	.01854	.19637	.13069	1.8642
#2	320.20	.02204	.19535	.13116	1.8913
#3	320.29	.02082	.20474	.13092	1.8873
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01381	380.04	.06466	.19428	.67612
Stddev	.00005	2.36	.00039	.00135	.00348
%RSD	.35110	.61981	.59769	.69350	.51501
#1	.01376	377.36	.06456	.19285	.67213
#2	.01386	380.98	.06433	.19445	.67852
#3	.01382	381.78	.06509	.19553	.67772
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.4414	339.69	16.925	.29440	181.45
Stddev	.0105	2.47	.078	.00311	1.36
%RSD	.72568	.72773	.46350	1.0581	.74714
#1	1.4295	336.86	16.835	.29107	180.09
#2	1.4492	340.77	16.968	.29724	182.80
#3	1.4455	341.44	16.973	.29488	181.46
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	7.4304	.00889	1.7697	10.288	1.8919
Stddev	.0410	.00112	.0199	.061	.0205
%RSD	.55134	12.588	1.1245	.59303	1.0831
#1	7.3831	.00826	1.7490	10.218	1.8689
#2	7.4550	.00822	1.7887	10.329	1.9083
#3	7.4530	.01018	1.7714	10.317	1.8984
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005
Sheri L. Pokorny

Sample Name: L051020906 Run Time: 10/17/05 14:23

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.02954	-.00939	5.3354	.04208	.52060
Stddev	.00408	.01384	.0096	.00313	.01222
%RSD	13.804	147.41	.17933	7.4442	2.3469
#1	.02997	-.02533	5.3255	.04530	.51095
#2	.02526	-.00042	5.3361	.03905	.53434
#3	.03338	-.00242	5.3446	.04188	.51651
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	1.6735	-.03901	.57095	4.3493
Stddev	.0116	.00267	.00409	.0133
%RSD	.69460	6.8450	.71657	.30510
#1	1.6602	-.04139	.56640	4.3344
#2	1.6785	-.03952	.57432	4.3537
#3	1.6817	-.03612	.57213	4.3598
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051020907 Operator: SLP
Comment:
Run Time: 10/17/05 14:29 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	274.02	.02934	.48354	.12641	6.2520
Stddev	1.72	.00165	.00321	.00432	.0381
%RSD	.62629	5.6378	.66435	3.4145	.60870
#1	272.04	.02984	.48634	.12160	6.2213
#2	274.86	.02749	.48003	.12768	6.2402
#3	275.15	.03069	.48425	.12994	6.2946
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.02554	411.82	.11648	.74768	1.1495
Stddev	.00009	.68	.00127	.00291	.0103
%RSD	.34192	.16429	1.0900	.38973	.89957
#1	.02544	411.11	.11577	.74548	1.1389
#2	.02559	411.88	.11795	.74659	1.1501
#3	.02560	412.46	.11573	.75099	1.1595
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.77957	657.64	15.324	.23094	217.67
Stddev	.00503	1.31	.237	.00351	.74
%RSD	.64557	.19993	1.5470	1.5183	.34119
#1	.77560	656.61	15.062	.22709	217.14
#2	.77788	657.20	15.385	.23177	217.36
#3	.78523	659.12	15.524	.23396	218.52
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	H 47.908	.04352	1.2396	3.5640	6.2646
Stddev	.322	.00105	.0211	.0222	.0126
%RSD	.67300	2.4095	1.7037	.62429	.20134
#1	47.736	.04294	1.2167	3.5423	6.2626
#2	48.280	.04289	1.2437	3.5631	6.2531
#3	47.708	.04473	1.2584	3.5867	6.2781
Check ?	LC Fail	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005
Sheri L. Blakgard

Sample Name: L051020907 Run Time: 10/17/05 14:29

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.02649	L -.07408	4.5761	.05175	.51447
Stddev	.00374	.01926	.0539	.00143	.00589
%RSD	14.103	26.003	1.1776	2.7664	1.1456
#1	.02943	-.08882	4.5180	.05156	.50780
#2	.02774	-.08114	4.5856	.05042	.51898
#3	.02228	-.05228	4.6245	.05326	.51663
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	1.5269	L -.04911	.80723	15.766
Stddev	.0062	.00920	.00470	.138
%RSD	.40304	18.729	.58269	.87841
#1	1.5220	-.05128	.80370	15.610
#2	1.5250	-.05703	.80541	15.810
#3	1.5338	-.03902	.81257	15.876
Check ?	LC Pass	LC Fail	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051020908 Operator: SLP
Comment:
Run Time: 10/17/05 14:35 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	383.30	.01902	.16427	.11539	2.3056
Stddev	1.38	.00064	.00298	.00124	.0034
%RSD	.35903	3.3514	1.8161	1.0748	.14628
#1	383.89	.01838	.16250	.11403	2.3065
#2	381.73	.01965	.16260	.11570	2.3019
#3	384.28	.01903	.16771	.11645	2.3085
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01704	209.18	.01280	.13986	.44647
Stddev	.00011	.47	.00052	.00069	.00130
%RSD	.66988	.22363	4.0514	.49473	.29065
#1	.01691	209.32	.01227	.13958	.44639
#2	.01709	208.66	.01331	.14064	.44522
#3	.01712	209.57	.01281	.13935	.44781
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.34688	401.57	18.943	.31061	127.72
Stddev	.00114	.77	.057	.00059	.60
%RSD	.33002	.19072	.29874	.18941	.46656
#1	.34571	400.96	18.995	.31030	127.11
#2	.34695	402.43	18.883	.31025	127.74
#3	.34799	401.33	18.952	.31129	128.30
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	5.6447	.01643	1.6833	.43918	.85302
Stddev	.0032	.00164	.0127	.00112	.00882
%RSD	.05609	9.9558	.75250	.25409	1.0336
#1	5.6413	.01760	1.6696	.44000	.84742
#2	5.6476	.01713	1.6857	.43963	.86318
#3	5.6452	.01456	1.6945	.43791	.84845
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005

Sample Name: L051020908 Run Time: 10/17/05 14:35

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00157	-.00291	5.6257	.04056	.45271
Stddev	.00555	.01729	.0224	.00263	.00077
%RSD	353.38	594.56	.39835	6.4757	.17055
#1	.00037	-.00653	5.6292	.03905	.45360
#2	.00762	.01590	5.6018	.04360	.45218
#3	-.00328	-.01810	5.6462	.03905	.45237
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	2.1095	-.02511	.66142	1.6535
Stddev	.0042	.00478	.00158	.0062
%RSD	.19920	19.019	.23906	.37495
#1	2.1062	-.02430	.65961	1.6498
#2	2.1081	-.03024	.66211	1.6500
#3	2.1143	-.02079	.66253	1.6606
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051020909 Operator: SLP
Comment:
Run Time: 10/17/05 14:41 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	385.54	.01995	.20803	.12196	2.3544
Stddev	1.84	.00169	.00002	.00255	.0095
%RSD	.47682	8.4795	.01015	2.0929	.40116
#1	383.42	.02040	.20802	.12479	2.3443
#2	386.75	.01808	.20801	.12127	2.3559
#3	386.44	.02138	.20805	.11983	2.3630
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.02533	147.81	.02725	.15068	.42973
Stddev	.00010	.29	.00030	.00084	.00050
%RSD	.40434	.19704	1.0918	.55449	.11596
#1	.02522	147.62	.02700	.14977	.43019
#2	.02533	147.67	.02758	.15086	.42979
#3	.02543	148.14	.02717	.15141	.42920
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.35193	424.00	17.133	.26814	98.417
Stddev	.00238	1.62	.146	.00204	.355
%RSD	.67489	.38118	.85113	.76176	.36074
#1	.35110	422.19	17.153	.26834	98.590
#2	.35461	424.50	17.268	.27008	98.653
#3	.35008	425.30	16.978	.26601	98.009
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	8.0907	.01553	1.1619	.49231	.69888
Stddev	.0132	.00154	.0082	.00068	.00202
%RSD	.16374	9.9113	.70755	.13735	.28913
#1	8.0821	.01386	1.1641	.49171	.69872
#2	8.1060	.01583	1.1688	.49304	.70097
#3	8.0841	.01690	1.1528	.49217	.69694
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005
Sheri L. Pokorny

Sample Name: L051020909 Run Time: 10/17/05 14:41

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00337	-.01196	5.9605	.04170	.47779
Stddev	.00240	.00877	.0380	.00118	.00539
%RSD	71.125	73.335	.63683	2.8382	1.1290
#1	-.00234	-.01396	5.9970	.04303	.48237
#2	-.00611	-.01955	5.9632	.04132	.47915
#3	-.00166	-.00236	5.9213	.04075	.47184
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	2.8451	-.02128	.63903	2.2361
Stddev	.0099	.00389	.00107	.0058
%RSD	.34891	18.256	.16817	.25766
#1	2.8341	-.02218	.63854	2.2385
#2	2.8477	-.01703	.63828	2.2402
#3	2.8534	-.02465	.64026	2.2295
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrad

Method: CLP3 Sample Name: L051020907 0.1 Operator: SLP
Comment:
Run Time: 10/17/05 14:47 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	28.848	.00359	.04880	.01247	.64659
Stddev	.109	.00196	.00628	.00071	.00130
%RSD	.37892	54.417	12.871	5.6558	.20154
#1	28.970	.00144	.04951	.01205	.64750
#2	28.814	.00409	.04219	.01208	.64718
#3	28.759	.00525	.05470	.01329	.64510
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00275	44.889	.01386	.08915	.13016
Stddev	.00004	.138	.00040	.00083	.00030
%RSD	1.3670	.30801	2.8786	.93347	.23232
#1	.00271	44.993	.01389	.09011	.13036
#2	.00278	44.943	.01424	.08861	.13031
#3	.00276	44.732	.01344	.08874	.12981
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.07698	80.969	1.6650	.02379	21.778
Stddev	.00345	.217	.0183	.00034	.153
%RSD	4.4864	.26776	1.0986	1.4503	.70264
#1	.08095	81.108	1.6861	.02418	21.819
#2	.07538	81.080	1.6545	.02360	21.906
#3	.07462	80.719	1.6544	.02357	21.609
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	6.9263	.00422	.15010	.41800	.78060
Stddev	.0057	.00107	.00234	.00169	.00115
%RSD	.08203	25.334	1.5588	.40540	.14752
#1	6.9327	.00398	.15006	.41994	.78151
#2	6.9219	.00539	.15247	.41685	.77931
#3	6.9244	.00329	.14779	.41719	.78100
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005
Sheri L. Blakgard

Sample Name: L051020907 0.1 Run Time: 10/17/05 14:47

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00598	-.01474	.54918	.00758	.06098
Stddev	.00590	.00793	.00408	.00033	.00222
%RSD	98.562	53.787	.74311	4.3252	3.6330
#1	.01229	-.01022	.55344	.00777	.05846
#2	.00506	-.01010	.54530	.00720	.06263
#3	.00060	-.02389	.54880	.00777	.06183
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.16150	-.01784	.08292	1.7723
Stddev	.00117	.01515	.00001	.0036
%RSD	.72405	84.892	.00797	.20064
#1	.16272	-.01042	.08293	1.7753
#2	.16141	-.00784	.08292	1.7684
#3	.16038	-.03527	.08292	1.7730
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: CCV Operator:
Comment:
Run Time: 10/17/05 14:53 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	10.183	.39484	.39380	9.4454	1.0453
Stddev	.066	.00392	.00685	.0306	.0057
%RSD	.64664	.99350	1.7395	.32395	.54142
#1	10.115	.39048	.39485	9.4142	1.0439
#2	10.187	.39595	.40006	9.4466	1.0405
#3	10.247	.39809	.38648	9.4754	1.0515
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	.40000	.40000	10.000	1.0000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04878	9.8337	.05198	.20146	.48884
Stddev	.00039	.0509	.00098	.00098	.00254
%RSD	.80116	.51786	1.8933	.48673	.51921
#1	.04846	9.7990	.05305	.20237	.48669
#2	.04867	9.8100	.05112	.20043	.48819
#3	.04922	9.8922	.05178	.20159	.49164
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.05000	10.000	.05000	.20000	.50000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.51052	4.0602	51.306	1.0230	9.6967
Stddev	.00321	.0162	.611	.0135	.2443
%RSD	.62807	.39978	1.1906	1.3245	2.5194
#1	.51023	4.0719	51.011	1.0131	9.5728
#2	.50747	4.0671	50.899	1.0176	9.5391
#3	.51386	4.0417	52.009	1.0385	9.9781
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	4.0000	50.000	1.0000	10.000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.49493	1.0217	51.251	.50475	.51462
Stddev	.00122	.0046	.842	.00077	.00466
%RSD	.24694	.45528	1.6425	.15211	.90491
#1	.49410	1.0173	50.721	.50397	.51999
#2	.49436	1.0213	50.812	.50479	.51224
#3	.49634	1.0266	52.222	.50550	.51164
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	1.0000	50.000	.50000	.50000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Approved: October 18, 2005
Sheri L. Pokorny

Sample Name: CCV Run Time: 10/17/05 14:53

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.1930	.39776	Q .00761	1.0363	1.0037
Stddev	.0014	.01137	.00214	.0053	.0079
%RSD	.11932	2.8581	28.152	.50887	.78511
#1	1.1943	.40489	.00990	1.0421	1.0122
#2	1.1932	.40375	.00565	1.0319	1.0024
#3	1.1915	.38465	.00730	1.0348	.99660
Check ?	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	1.2000	.40000	5.0000	1.0000	1.0000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.97590	.48451	.98414	.97040
Stddev	.00704	.00824	.01259	.00783
%RSD	.72129	1.7007	1.2793	.80648
#1	.97147	.47964	.97334	.96420
#2	.97222	.47986	.98111	.96780
#3	.98402	.49402	.99797	.97920
Check ?	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.50000	1.0000	1.0000
Range	10.000%	10.000%	10.000%	10.000%

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: CCB Operator:
Comment:
Run Time: 10/17/05 14:59 Type: Blank Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.01265	.00051	-.00310	.00065	.00034
Stddev	.01816	.00181	.00242	.00163	.00008
%RSD	143.50	355.85	78.016	250.44	23.934
#1	-.01657	.00241	-.00450	.00246	.00029
#2	-.02853	.00030	-.00031	.00019	.00044
#3	.00714	-.00119	-.00449	-.00069	.00029
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.20000	.00500	.01000	.05000	.00250
Low Limit	-.20000	-.00500	-.01000	-.05000	-.00250

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00006	-.00718	.00034	.00006	.00010
Stddev	.00007	.00411	.00084	.00035	.00032
%RSD	112.80	57.333	247.39	584.37	320.27
#1	.00008	-.01175	.00104	-.00016	-.00013
#2	-.00001	-.00601	.00056	-.00013	.00046
#3	.00012	-.00377	-.00059	.00047	-.00003
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00025	.05000	.00100	.00250	.00250
Low Limit	-.00025	-.05000	-.00100	-.00250	-.00250

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00158	-.00107	.02595	-.00007	.00621
Stddev	.00139	.00562	.00223	.00027	.04059
%RSD	87.740	523.48	8.5817	410.84	653.18
#1	-.00301	-.00711	.02353	-.00037	-.01724
#2	-.00024	.00401	.02790	.00002	.05308
#3	-.00150	-.00012	.02644	.00015	-.01720
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.01000	.02000	.25000	.05000	.10000
Low Limit	-.01000	-.02000	-.25000	-.05000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00002	.00129	.02900	-.00008	.00278
Stddev	.00001	.00066	.00299	.00005	.00282
%RSD	38.036	51.212	10.299	56.328	101.43
#1	.00002	.00148	.03223	-.00011	.00377
#2	.00001	.00055	.02845	-.00003	.00496
#3	.00003	.00183	.02633	-.00011	-.00040
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00250	.05000	.10000	.01000	.01000
Low Limit	-.00250	-.05000	-.10000	-.01000	-.01000

Approved: October 18, 2005
Sheri L. Blakgard

Sample Name: CCB Run Time: 10/17/05 14:59

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00982	L -.01186	-.00107	.00170	-.00175
Stddev	.00453	.00839	.00083	.00328	.00034
%RSD	46.156	70.788	77.738	192.62	19.211
#1	.00499	-.00384	-.00048	-.00019	-.00214
#2	.01398	-.01115	-.00203	-.00019	-.00156
#3	.01049	-.02058	-.00071	.00550	-.00156
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	.02000	.01000	.25000	.20000	.00500
Low Limit	-.02000	-.01000	-.25000	-.20000	-.00500

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	-.00013	-.00369	.00033	.00026
Stddev	.00031	.00350	.00154	.00011
%RSD	239.52	94.684	466.41	41.555
#1	-.00011	.00006	.00206	.00014
#2	-.00045	-.00428	-.00022	.00030
#3	.00017	-.00686	-.00086	.00035
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.01500	.02000	.00728	.01000
Low Limit	-.01500	-.02000	-.00728	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: PBS 70 Operator: SLP
Comment: WG198652-02
Run Time: 10/17/05 15:09 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01637	.00150	-.00450	.00160	.00024
Stddev	.04933	.00153	.00104	.00097	.00014
%RSD	301.44	101.44	23.068	60.727	56.933
#1	-.04056	.00110	-.00554	.00246	.00010
#2	.04289	.00319	-.00450	.00179	.00037
#3	.04677	.00022	-.00346	.00055	.00025
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.20000	.00800	.02000	.10000	.01000
Low Limit	-.20000	-.00800	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00001	.08382	.00064	-.00023	.00098
Stddev	.00010	.00661	.00023	.00012	.00042
%RSD	844.50	7.8824	36.240	53.508	43.070
#1	.00012	.07677	.00053	-.00036	.00136
#2	-.00005	.08481	.00090	-.00011	.00105
#3	-.00004	.08987	.00048	-.00022	.00053
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00050	.20000	.00200	.00500	.00500
Low Limit	-.00050	-.20000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00016	.00092	.02223	-.00008	.03521
Stddev	.00124	.00097	.01213	.00022	.03031
%RSD	781.77	105.33	54.577	286.87	86.074
#1	-.00075	.00071	.03467	.00004	.07021
#2	-.00100	.00008	.01043	.00006	.01765
#3	.00127	.00199	.02158	-.00033	.01778
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00500	.04000	.50000	.10000	.10000
Low Limit	-.00500	-.04000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00059	.00077	.04384	-.00033	-.00081
Stddev	.00010	.00020	.00230	.00026	.00241
%RSD	16.725	26.065	5.2496	79.714	297.59
#1	.00062	.00065	.04154	-.00043	-.00039
#2	.00067	.00065	.04614	-.00003	.00137
#3	.00048	.00100	.04383	-.00051	-.00340
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.01000	.10000	.50000	.02000	.02000
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005

Sample Name: PBS 70 Run Time: 10/17/05 15:09

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00384	.00091	.00918	.02179	-.00123
Stddev	.00227	.00949	.00106	.00065	.00096
%RSD	59.061	1047.6	11.559	3.0042	78.285
#1	.00625	-.00920	.00984	.02255	-.00012
#2	.00353	.00230	.00974	.02142	-.00171
#3	.00174	.00962	.00795	.02142	-.00185
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.02000	.02000	1.0000	.50000	.01000
Low Limit	-.02000	-.02000	-1.0000	-.50000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	-.00051	-.00093	-.00312	.00776
Stddev	.00030	.00308	.00086	.00015
%RSD	57.969	332.26	27.586	1.8821
#1	-.00031	.00249	-.00376	.00776
#2	-.00085	-.00176	-.00214	.00761
#3	-.00038	-.00351	-.00345	.00791
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.03000	.04000	.01000	.02000
Low Limit	-.03000	-.04000	-.01000	-.02000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: LCSS 70 Operator: SLP
Comment: WG198652-03
Run Time: 10/17/05 15:15 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	4.9794	.18773	.18924	4.8462	.49725
Stddev	.0871	.00159	.00366	.0096	.00141
%RSD	1.7491	.84845	1.9360	.19850	.28370
#1	4.9156	.18591	.18576	4.8365	.49579
#2	5.0786	.18842	.18889	4.8557	.49861
#3	4.9439	.18887	.19306	4.8463	.49733
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	6.0000	.24000	.24000	6.0000	.60000
Low Limit	4.0000	.16000	.16000	4.0000	.40000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.02464	5.0159	.02546	.09995	.24134
Stddev	.00013	.0519	.00031	.00120	.00050
%RSD	.51336	1.0352	1.2158	1.1982	.20871
#1	.02455	4.9582	.02521	.09867	.24084
#2	.02459	5.0590	.02581	.10014	.24185
#3	.02478	5.0304	.02537	.10104	.24133
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.03000	6.0000	.03000	.12000	.30000
Low Limit	.02000	4.0000	.02000	.08000	.20000

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.25780	2.0333	23.250	.49385	4.6313
Stddev	.00167	.0107	.190	.00681	.0088
%RSD	.64666	.52827	.81688	1.3794	.19044
#1	.25590	2.0209	23.044	.48649	4.6211
#2	.25900	2.0394	23.419	.49993	4.6365
#3	.25851	2.0396	23.287	.49513	4.6362
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.30000	2.4000	30.000	.60000	6.0000
Low Limit	.20000	1.6000	20.000	.40000	4.0000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.24846	.50684	24.409	.24702	.25803
Stddev	.00098	.00228	.237	.00180	.00419
%RSD	.39455	.44911	.97122	.73030	1.6250
#1	.24745	.50514	24.167	.24543	.25805
#2	.24941	.50943	24.641	.24898	.25383
#3	.24851	.50597	24.418	.24665	.26222
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.30000	.60000	30.000	.30000	.30000
Low Limit	.20000	.40000	20.000	.20000	.20000

Approved: October 18, 2005

Sample Name: LCSS 70 Run Time: 10/17/05 15:15

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.58142	.18143	2.3235	.52846	.51141
Stddev	.00368	.00178	.0120	.00323	.00510
%RSD	.63256	.98002	.51754	.61154	.99660
#1	.58077	.18036	2.3278	.52581	.50582
#2	.58538	.18348	2.3328	.53206	.51261
#3	.57811	.18045	2.3099	.52752	.51580
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.72000	.24000	3.0000	.60000	.60000
Low Limit	.48000	.16000	2.0000	.40000	.40000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.48740	.23437	.47398	.46986
Stddev	.00237	.00368	.00372	.00247
%RSD	.48623	1.5682	.78562	.52562
#1	.48493	.23859	.47186	.47167
#2	.48966	.23261	.47181	.47086
#3	.48760	.23190	.47828	.46705
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.60000	.30000	.60000	.60000
Low Limit	.40000	.20000	.40000	.40000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051026403 Operator: SLP
Comment: WG198652-01
Run Time: 10/17/05 15:21 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	49.081	.00127	.00267	.00626	.02434
Stddev	.195	.00171	.00241	.00156	.00012
%RSD	.39762	135.15	90.379	24.917	.48889
#1	48.988	-.00001	-.00012	.00744	.02431
#2	49.305	.00321	.00404	.00686	.02448
#3	48.949	.00059	.00408	.00449	.02425
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00040	.42524	.00164	.00362	.03823
Stddev	.00003	.00421	.00031	.00014	.00019
%RSD	6.2743	.99067	18.675	3.8487	.49234
#1	.00038	.42872	.00186	.00362	.03824
#2	.00039	.42055	.00129	.00376	.03841
#3	.00043	.42644	.00176	.00348	.03803
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00243	5.1979	.43102	.00676	.41739
Stddev	.00146	.0070	.01226	.00015	.06654
%RSD	60.151	.13395	2.8450	2.1682	15.943
#1	.00159	5.1969	.44044	.00678	.37049
#2	.00159	5.1914	.43546	.00661	.38812
#3	.00412	5.2053	.41715	.00690	.49355
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04547	.00224	.06354	.01386	.01709
Stddev	.00020	.00044	.00507	.00029	.00183
%RSD	.43719	19.556	7.9751	2.1076	10.688
#1	.04533	.00275	.06832	.01410	.01634
#2	.04540	.00205	.06407	.01353	.01918
#3	.04570	.00194	.05823	.01394	.01576
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005

Sample Name: L051026403 Run Time: 10/17/05 15:21

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00681	.00494	4.3088	.02313	.03758
Stddev	.00774	.01286	.0296	.00429	.00145
%RSD	113.70	260.19	.68731	18.557	3.8664
#1	.00524	-.00971	4.2824	.01915	.03849
#2	-.00003	.01017	4.3032	.02767	.03834
#3	.01521	.01437	4.3408	.02256	.03590
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.81144	-.01044	.03707	.00985
Stddev	.00192	.00868	.00050	.00020
%RSD	.23600	83.209	1.3513	1.9894
#1	.80934	-.00273	.03697	.00996
#2	.81310	-.00873	.03663	.00996
#3	.81188	-.01985	.03762	.00962
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051026403S Operator: SLP
Comment: WG198652-04
Run Time: 10/17/05 15:27 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	67.822	.18663	.19164	4.8433	.53125
Stddev	.710	.00101	.00160	.0151	.00407
%RSD	1.0474	.54024	.83560	.31259	.76528
#1	67.009	.18551	.19303	4.8275	.52657
#2	68.131	.18746	.19199	4.8447	.53328
#3	68.325	.18693	.18989	4.8576	.53391
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.02525	9.5202	.02639	.10508	.28828
Stddev	.00024	.1034	.00043	.00095	.00141
%RSD	.95756	1.0859	1.6262	.90847	.48828
#1	.02497	9.4075	.02613	.10432	.28690
#2	.02538	9.6107	.02688	.10477	.28823
#3	.02539	9.5425	.02615	.10615	.28972
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.26138	9.3840	24.041	.51445	5.2732
Stddev	.00278	.0789	.262	.00733	.0106
%RSD	1.0634	.84095	1.0918	1.4256	.20206
#1	.25819	9.3042	23.840	.50938	5.2667
#2	.26324	9.3860	23.946	.51111	5.2674
#3	.26273	9.4620	24.338	.52286	5.2855
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.33732	.49845	24.734	.26454	.27078
Stddev	.00214	.00354	.306	.00118	.00822
%RSD	.63346	.70986	1.2361	.44610	3.0345
#1	.33521	.49481	24.454	.26347	.26355
#2	.33728	.49864	24.687	.26435	.26907
#3	.33948	.50188	25.060	.26581	.27971
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005

Sample Name: L051026403S Run Time: 10/17/05 15:27

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.56045	.19936	8.0957	.50912	.55985
Stddev	.00709	.00932	.0030	.00592	.00728
%RSD	1.2658	4.6753	.03657	1.1627	1.2998
#1	.55254	.20985	8.0984	.50249	.55230
#2	.56625	.19204	8.0925	.51387	.56043
#3	.56258	.19618	8.0963	.51102	.56682
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	1.8229	.23365	.52142	.47738
Stddev	.0136	.00871	.00430	.00172
%RSD	.74394	3.7287	.82417	.36105
#1	1.8378	.22814	.51655	.47578
#2	1.8197	.22911	.52305	.47714
#3	1.8113	.24369	.52467	.47921
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgard

Method: CLP3 Sample Name: L051026403SD Operator: SLP
Comment: WG198652-05
Run Time: 10/17/05 15:33 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	69.822	.18833	.19653	4.8766	.53532
Stddev	.547	.00197	.00435	.0192	.00735
%RSD	.78298	1.0452	2.2111	.39429	1.3726
#1	69.244	.18664	.19513	4.8554	.52731
#2	70.331	.18785	.20140	4.8929	.54174
#3	69.890	.19049	.19305	4.8814	.53692
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.02553	5.7850	.02643	.10569	.29044
Stddev	.00034	.0709	.00065	.00106	.00215
%RSD	1.3234	1.2262	2.4458	1.0019	.73877
#1	.02515	5.7129	.02576	.10450	.28810
#2	.02581	5.8547	.02705	.10652	.29092
#3	.02563	5.7874	.02647	.10605	.29231
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.26300	11.055	24.516	.52631	5.3330
Stddev	.00284	.044	.265	.00420	.0871
%RSD	1.0793	.39886	1.0822	.79802	1.6335
#1	.26023	11.027	24.225	.52250	5.2329
#2	.26591	11.106	24.580	.52562	5.3745
#3	.26285	11.033	24.744	.53081	5.3917
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.32632	.50135	25.184	.26912	.26899
Stddev	.00175	.00191	.312	.00117	.00153
%RSD	.53532	.38086	1.2374	.43604	.56847
#1	.32432	.49946	24.835	.26818	.26803
#2	.32712	.50132	25.283	.26874	.26820
#3	.32752	.50328	25.434	.27043	.27076
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005
Sheri L. Blakgrove

Sample Name: L051026403SD Run Time: 10/17/05 15:33

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.56912	.19950	7.6010	.52505	.54514
Stddev	.00936	.00476	.0812	.00313	.00417
%RSD	1.6440	2.3870	1.0687	.59607	.76476
#1	.55832	.19992	7.5181	.52353	.54310
#2	.57448	.20403	7.6045	.52297	.54993
#3	.57457	.19454	7.6805	.52865	.54238
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	1.6727	.23435	.53263	.47903
Stddev	.0234	.00975	.00995	.00343
%RSD	1.3997	4.1611	1.8675	.71638
#1	1.6469	.22514	.52117	.47526
#2	1.6926	.24456	.53901	.47987
#3	1.6785	.23336	.53770	.48196
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051025903 Operator: SLP
Comment:
Run Time: 10/17/05 15:39 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	40.217	.00650	.15532	.10186	1.3365
Stddev	.206	.00072	.00161	.00134	.0069
%RSD	.51118	11.073	1.0374	1.3137	.51654
#1	40.342	.00717	.15497	.10335	1.3443
#2	39.979	.00574	.15708	.10144	1.3310
#3	40.329	.00658	.15391	.10078	1.3342
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01867	70.510	.00319	.09631	.12026
Stddev	.00002	.170	.00033	.00058	.00040
%RSD	.08327	.24164	10.370	.60061	.33055
#1	.01869	70.707	.00290	.09662	.11984
#2	.01866	70.421	.00312	.09668	.12063
#3	.01867	70.403	.00355	.09565	.12030
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.27257	126.06	4.3434	.06653	7.6087
Stddev	.00101	.25	.0248	.00052	.0265
%RSD	.36942	.19942	.57141	.77638	.34825
#1	.27357	126.05	4.3703	.06693	7.5852
#2	.27156	126.32	4.3213	.06595	7.6034
#3	.27258	125.82	4.3386	.06672	7.6374
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.96567	.01000	1.0736	.16502	.44689
Stddev	.00287	.00194	.0083	.00061	.00292
%RSD	.29703	19.351	.77805	.37166	.65330
#1	.96369	.01141	1.0745	.16494	.44724
#2	.96896	.01081	1.0649	.16567	.44381
#3	.96437	.00779	1.0815	.16445	.44962
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005
Sheri L. Blakgard

Sample Name: L051025903 Run Time: 10/17/05 15:39

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00583	.02553	6.3106	.02957	.86990
Stddev	.00453	.00502	.0250	.00230	.00151
%RSD	77.815	19.670	.39612	7.7722	.17332
#1	.00580	.03122	6.3287	.02824	.87039
#2	.01037	.02170	6.3210	.03222	.87111
#3	.00131	.02369	6.2821	.02824	.86821
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	1.6422	L -.04566	.18843	.86555
Stddev	.0039	.01004	.00038	.00551
%RSD	.23466	21.998	.19927	.63669
#1	1.6457	-.03822	.18821	.85927
#2	1.6381	-.05708	.18887	.86961
#3	1.6429	-.04167	.18822	.86775
Check ?	LC Pass	LC Fail	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgard

Method: CLP3 Sample Name: L051025903SDL 0.2 Operator: SLP
Comment: WG198673-04
Run Time: 10/17/05 15:45 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	7.8934	.00282	.02673	.01813	.25752
Stddev	.0375	.00171	.00732	.00051	.00061
%RSD	.47466	60.873	27.396	2.7878	.23724
#1	7.8597	.00101	.01908	.01871	.25785
#2	7.9338	.00301	.02744	.01782	.25789
#3	7.8868	.00443	.03368	.01786	.25681
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00363	13.900	.00109	.01984	.02415
Stddev	.00001	.006	.00017	.00034	.00063
%RSD	.34796	.04665	15.323	1.7283	2.6028
#1	.00362	13.903	.00101	.01945	.02467
#2	.00364	13.904	.00098	.02004	.02345
#3	.00364	13.893	.00128	.02004	.02432
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.05186	25.775	.82470	.01215	1.4371
Stddev	.00109	.082	.01370	.00012	.0358
%RSD	2.0929	.31862	1.6617	.99004	2.4882
#1	.05062	25.767	.83220	.01201	1.4252
#2	.05234	25.860	.80889	.01219	1.4773
#3	.05262	25.696	.83302	.01224	1.4089
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.19745	.00293	.20725	.03278	.09587
Stddev	.00047	.00064	.00319	.00054	.00430
%RSD	.23622	21.844	1.5412	1.6433	4.4816
#1	.19738	.00324	.20755	.03323	.09945
#2	.19794	.00219	.20391	.03291	.09704
#3	.19701	.00335	.21028	.03218	.09110
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005

Sample Name: L051025903SDL 0.2 Run Time: 10/17/05 15:45

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01345	-.00381	1.2371	.00834	.19032
Stddev	.00311	.00394	.0088	.00114	.00347
%RSD	23.087	103.20	.70882	13.638	1.8232
#1	.01525	-.00103	1.2469	.00834	.18632
#2	.01524	-.00832	1.2344	.00720	.19258
#3	.00987	-.00209	1.2300	.00948	.19205
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.31958	-.01304	.03537	.17145
Stddev	.00083	.00784	.00244	.00025
%RSD	.25942	60.091	6.8887	.14437
#1	.31912	-.01126	.03787	.17152
#2	.32054	-.02161	.03524	.17166
#3	.31909	-.00624	.03300	.17118
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051025903PS 0.9 Operator: SLP
Comment: WG198673-03
Run Time: 10/17/05 15:51 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	41.672	.19713	.33661	5.0479	1.7098
Stddev	.158	.00376	.00580	.0169	.0112
%RSD	.37959	1.9061	1.7240	.33493	.65632
#1	41.492	.19477	.33556	5.0289	1.6972
#2	41.790	.19516	.34287	5.0537	1.7187
#3	41.733	.20146	.33141	5.0612	1.7135
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04113	69.163	.02832	.18458	.34056
Stddev	.00040	.457	.00059	.00082	.00209
%RSD	.97306	.66072	2.0671	.44357	.61394
#1	.04070	68.637	.02799	.18364	.33938
#2	.04123	69.397	.02797	.18508	.33932
#3	.04148	69.456	.02900	.18502	.34297
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.51593	115.03	29.813	.61802	11.437
Stddev	.00255	.56	.164	.00321	.158
%RSD	.49433	.48784	.55120	.51978	1.3827
#1	.51346	114.40	29.624	.61466	11.285
#2	.51856	115.22	29.892	.61833	11.426
#3	.51578	115.48	29.923	.62106	11.600
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.0950	.49643	27.990	.38945	.64794
Stddev	.0036	.00085	.156	.00148	.00232
%RSD	.32988	.17154	.55845	.38098	.35761
#1	1.0912	.49612	27.821	.38783	.65060
#2	1.0956	.49577	28.017	.38978	.64690
#3	1.0983	.49739	28.130	.39075	.64633
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005

Sample Name: L051025903PS 0.9 Run Time: 10/17/05 15:51

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.60089	.24086	7.8880	.02673	1.2690
Stddev	.00372	.00643	.0104	.00087	.0091
%RSD	.61900	2.6679	.13242	3.2499	.71695
#1	.59973	.23929	7.8995	.02597	1.2590
#2	.59789	.23535	7.8855	.02654	1.2712
#3	.60505	.24792	7.8791	.02767	1.2768
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	2.0144	.20498	.63580	1.2321
Stddev	.0145	.00726	.00535	.0020
%RSD	.72146	3.5429	.84085	.16512
#1	1.9976	.19681	.63050	1.2305
#2	2.0224	.21071	.63570	1.2314
#3	2.0232	.20742	.64119	1.2344
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: CCV Operator:
Comment:
Run Time: 10/17/05 15:57 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	10.301	.38898	.39866	9.4352	1.0451
Stddev	.068	.00225	.00679	.0143	.0023
%RSD	.65906	.57874	1.7030	.15203	.21912
#1	10.281	.38648	.39901	9.4444	1.0431
#2	10.377	.38963	.40526	9.4187	1.0445
#3	10.246	.39084	.39170	9.4426	1.0476
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	.40000	.40000	10.000	1.0000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04836	9.7674	.05095	.20157	.48453
Stddev	.00026	.0708	.00019	.00046	.00067
%RSD	.53530	.72504	.37756	.22659	.13764
#1	.04809	9.7017	.05108	.20129	.48418
#2	.04836	9.7582	.05105	.20132	.48530
#3	.04861	9.8424	.05073	.20209	.48411
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.05000	10.000	.05000	.20000	.50000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.51507	4.0558	51.211	1.0328	9.4273
Stddev	.00188	.0059	.422	.0141	.0618
%RSD	.36445	.14632	.82387	1.3705	.65555
#1	.51698	4.0545	51.603	1.0438	9.3624
#2	.51323	4.0505	51.264	1.0378	9.4854
#3	.51501	4.0622	50.765	1.0169	9.4342
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	4.0000	50.000	1.0000	10.000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.49228	1.0204	51.295	.50072	.51596
Stddev	.00078	.0058	.560	.00089	.00222
%RSD	.15806	.56550	1.0922	.17677	.42980
#1	.49222	1.0186	51.722	.50171	.51695
#2	.49154	1.0157	51.504	.50002	.51750
#3	.49309	1.0268	50.661	.50042	.51341
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	1.0000	50.000	.50000	.50000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Approved: October 18, 2005

Sample Name: CCV Run Time: 10/17/05 15:57

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.1887	.40801	Q .00874	1.0298	1.0030
Stddev	.0048	.00481	.00250	.0052	.0017
%RSD	.40249	1.1795	28.645	.50055	.16582
#1	1.1914	.41324	.01155	1.0336	1.0040
#2	1.1832	.40704	.00789	1.0240	1.0011
#3	1.1914	.40376	.00677	1.0319	1.0040
Check ?	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	1.2000	.40000	5.0000	1.0000	1.0000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.97577	.49076	.95983	.96340
Stddev	.00445	.01459	.00578	.00165
%RSD	.45634	2.9738	.60180	.17144
#1	.97166	.47402	.95323	.96437
#2	.97514	.50080	.96232	.96149
#3	.98050	.49746	.96394	.96433
Check ?	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.50000	1.0000	1.0000
Range	10.000%	10.000%	10.000%	10.000%

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: CCB Operator:
Comment:
Run Time: 10/17/05 16:03 Type: Blank Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00187	.00105	-.00379	.00135	.00004
Stddev	.01501	.00101	.00301	.00140	.00018
%RSD	802.50	97.052	79.231	103.61	493.49
#1	-.00470	-.00001	-.00553	.00266	-.00016
#2	-.00873	.00114	-.00553	.00152	.00009
#3	.01905	.00201	-.00032	-.00013	.00019
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.20000	.00500	.01000	.05000	.00250
Low Limit	-.20000	-.00500	-.01000	-.05000	-.00250

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00006	-.00909	.00081	.00015	-.00006
Stddev	.00002	.00451	.00007	.00065	.00027
%RSD	32.917	49.616	8.8703	423.10	429.75
#1	.00006	-.00811	.00076	-.00058	.00025
#2	.00008	-.00515	.00077	.00040	-.00024
#3	.00004	-.01402	.00089	.00064	-.00020
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00025	.05000	.00100	.00250	.00250
Low Limit	-.00025	-.05000	-.00100	-.00250	-.00250

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00319	-.00412	.02027	-.00033	-.08769
Stddev	.00014	.00389	.01266	.00024	.01778
%RSD	4.4991	94.455	62.456	73.114	20.278
#1	-.00327	-.00456	.01718	-.00061	-.10542
#2	-.00328	-.00778	.00944	-.00023	-.08780
#3	-.00302	-.00003	.03419	-.00016	-.06986
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.01000	.02000	.25000	.05000	.10000
Low Limit	-.01000	-.02000	-.25000	-.05000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00001	.00028	.02153	-.00051	.00098
Stddev	.00007	.00024	.00380	.00072	.00431
%RSD	564.18	85.388	17.646	139.53	440.10
#1	.00000	.00021	.02543	-.00076	.00376
#2	.00008	.00055	.02133	.00029	-.00398
#3	-.00005	.00009	.01784	-.00108	.00316
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00250	.05000	.10000	.01000	.01000
Low Limit	-.00250	-.05000	-.10000	-.01000	-.01000

Approved: October 18, 2005
Sheri L. Pokorny

Sample Name: CCB Run Time: 10/17/05 16:03

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00859	.00140	-.00188	.00000	-.00055
Stddev	.00325	.01187	.00295	.0013	.00029
%RSD	37.866	847.15	157.04	98529.	52.536
#1	.01127	.00977	-.00070	-.00076	-.00026
#2	.00952	.00663	.00030	.00151	-.00084
#3	.00497	-.01219	-.00524	-.00076	-.00055
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.02000	.01000	.25000	.20000	.00500
Low Limit	-.02000	-.01000	-.25000	-.20000	-.00500

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	-.00063	-.00575	-.00182	.00004
Stddev	.00052	.01488	.00087	.00003
%RSD	82.044	258.85	47.426	81.508
#1	-.00004	-.01114	-.00084	.00002
#2	-.00099	-.01718	-.00215	.00008
#3	-.00086	.01108	-.00248	.00002
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.01500	.02000	.00728	.01000
Low Limit	-.01500	-.02000	-.00728	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051027701 0.01 Operator: SLP
Comment:
Run Time: 10/17/05 16:13 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	.46551	.00309	-.00133	-.00113	.00166
Stddev	.02532	.00260	.00723	.00069	.00004
%RSD	5.4384	84.268	544.78	61.393	2.6604
#1	.48377	.00602	-.00967	-.00092	.00169
#2	.43661	.00106	.00285	-.00191	.00169
#3	.47615	.00219	.00284	-.00056	.00161
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00002	15.745	.00918	.04207	.00129
Stddev	.00002	.181	.00056	.00049	.00027
%RSD	99.472	1.1512	6.0982	1.1677	20.524
#1	.00003	15.553	.00921	.04250	.00159
#2	.00000	15.913	.00861	.04217	.00106
#3	.00005	15.770	.00973	.04154	.00124
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00146	.71667	.00522	.00094	.06358
Stddev	.00063	.00473	.00257	.00029	.04438
%RSD	43.471	.66006	49.186	31.004	69.809
#1	.00213	.71764	.00813	.00118	.01647
#2	.00087	.72084	.00425	.00102	.10461
#3	.00137	.71153	.00327	.00062	.06966
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01532	-.00436	.04556	.00061	13.914
Stddev	.00010	.00173	.00174	.00057	.097
%RSD	.66654	39.651	3.8282	92.818	.70053
#1	.01541	-.00241	.04501	.00101	14.026
#2	.01521	-.00571	.04752	.00085	13.873
#3	.01533	-.00497	.04416	-.00004	13.845
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005

Sample Name: L051027701 0.01 Run Time: 10/17/05 16:13

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01837	L -.04193	.01729	.00284	.04736
Stddev	.00273	.01267	.00080	.00143	.00062
%RSD	14.860	30.219	4.6046	50.365	1.3044
#1	.02114	-.05543	.01643	.00151	.04669
#2	.01829	-.04006	.01800	.00265	.04792
#3	.01568	-.03029	.01745	.00436	.04746
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.08227	-.00194	-.00040	6.4788
Stddev	.00101	.00128	.00104	.0459
%RSD	1.2286	66.329	258.93	.70866
#1	.08115	-.00166	-.00083	6.5274
#2	.08311	-.00334	.00078	6.4362
#3	.08255	-.00081	-.00116	6.4728
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: CCV Operator:
Comment:
Run Time: 10/17/05 16:19 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	10.174	.38037	.39205	9.2963	1.0337
Stddev	.044	.00206	.00263	.0170	.0045
%RSD	.43151	.54034	.67079	.18260	.43210
#1	10.181	.37799	.39171	9.2937	1.0286
#2	10.214	.38154	.39483	9.3145	1.0370
#3	10.127	.38157	.38961	9.2808	1.0355
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	.40000	.40000	10.000	1.0000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04746	9.6819	.05209	.20010	.47593
Stddev	.00020	.0556	.00039	.00026	.00178
%RSD	.42726	.57389	.74997	.13032	.37344
#1	.04722	9.6254	.05170	.20038	.47392
#2	.04758	9.6840	.05249	.20003	.47657
#3	.04756	9.7364	.05208	.19988	.47729
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.05000	10.000	.05000	.20000	.50000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.51093	4.0491	50.199	1.0104	9.1779
Stddev	.00311	.0075	.242	.0088	.0262
%RSD	.60897	.18526	.48138	.87178	.28564
#1	.51282	4.0538	50.202	1.0135	9.1492
#2	.51263	4.0530	50.439	1.0172	9.1841
#3	.50734	4.0405	49.956	1.0004	9.2005
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	4.0000	50.000	1.0000	10.000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.48561	1.0092	49.887	.49607	.51339
Stddev	.00054	.0038	.286	.00069	.00239
%RSD	.11041	.37620	.57370	.13912	.46530
#1	.48579	1.0127	49.748	.49535	.51340
#2	.48604	1.0097	50.216	.49672	.51100
#3	.48501	1.0052	49.697	.49615	.51578
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	1.0000	50.000	.50000	.50000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Approved: October 18, 2005
Sheri L. Blakgrove

Sample Name: CCV Run Time: 10/17/05 16:19

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.1799	.39810	Q .00425	1.0232	1.0100
Stddev	.0059	.01359	.00049	.0009	.0025
%RSD	.50069	3.4138	11.491	.08516	.24525
#1	1.1860	.41170	.00393	1.0239	1.0105
#2	1.1796	.39809	.00401	1.0234	1.0073
#3	1.1742	.38451	.00481	1.0222	1.0122
Check ?	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	1.2000	.40000	5.0000	1.0000	1.0000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.96254	.47847	.93853	.93943
Stddev	.00556	.01059	.00836	.00126
%RSD	.57811	2.2127	.89034	.13365
#1	.95613	.48965	.92890	.93798
#2	.96530	.47716	.94284	.94015
#3	.96618	.46860	.94384	.94017
Check ?	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.50000	1.0000	1.0000
Range	10.000%	10.000%	10.000%	10.000%

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: CCB Operator:
Comment:
Run Time: 10/17/05 16:25 Type: Blank Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.04043	.00069	.00003	.00108	.00015
Stddev	.01726	.00309	.00366	.00113	.00013
%RSD	42.686	449.18	11146.	104.39	84.095
#1	-.02063	-.00178	.00385	.00230	.00026
#2	-.05227	.00416	-.00345	.00085	.00019
#3	-.04840	-.00031	-.00030	.00008	.00001
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.20000	.00500	.01000	.05000	.00250
Low Limit	-.20000	-.00500	-.01000	-.05000	-.00250

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00004	.00136	.00062	-.00031	.00005
Stddev	.00001	.00593	.00020	.00019	.00020
%RSD	12.310	435.45	32.491	61.104	381.76
#1	.00005	.00650	.00082	-.00051	.00028
#2	.00004	-.00513	.00062	-.00013	-.00006
#3	.00004	.00272	.00042	-.00030	-.00006
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00025	.05000	.00100	.00250	.00250
Low Limit	-.00025	-.05000	-.00100	-.00250	-.00250

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00116	-.00110	.02093	-.00007	-.01128
Stddev	.00202	.01003	.01448	.00010	.02689
%RSD	174.09	911.10	69.192	144.00	238.43
#1	.00077	-.00232	.00461	-.00016	-.01665
#2	-.00326	-.01046	.02594	.00003	-.03507
#3	-.00100	.00948	.03223	-.00007	.01789
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.01000	.02000	.25000	.05000	.10000
Low Limit	-.01000	-.02000	-.25000	-.05000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00003	.00024	.01730	.00002	-.00218
Stddev	.00003	.00048	.00357	.00037	.00206
%RSD	87.404	196.92	20.651	1545.6	94.618
#1	.00006	.00079	.01845	-.00019	-.00337
#2	.00000	-.00014	.02017	-.00019	.00020
#3	.00004	.00009	.01330	.00045	-.00336
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00250	.05000	.10000	.01000	.01000
Low Limit	-.00250	-.05000	-.10000	-.01000	-.01000

Approved: October 18, 2005

Sample Name: CCB Run Time: 10/17/05 16:25

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00896	-.00626	-.00284	.00398	-.00026
Stddev	.00675	.00160	.00151	.00143	.00080
%RSD	75.378	25.536	53.089	35.966	307.47
#1	.00237	-.00592	-.00114	.00550	-.00098
#2	.00864	-.00486	-.00402	.00265	.00060
#3	.01586	-.00800	-.00335	.00379	-.00040
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.02000	.01000	.25000	.20000	.00500
Low Limit	-.02000	-.01000	-.25000	-.20000	-.00500

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	-.00054	-.00400	-.00032	-.00023
Stddev	.00004	.00298	.00149	.00031
%RSD	7.3015	74.520	466.57	133.30
#1	-.00052	-.00431	-.00118	-.00007
#2	-.00052	-.00681	.00140	-.00059
#3	-.00058	-.00088	-.00118	-.00004
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.01500	.02000	.00728	.01000
Low Limit	-.01500	-.02000	-.00728	-.01000

Approved: October 18, 2005

Sheri L. Blakgrad

Method: CLP3 Sample Name: PBS AA Operator: SLP
Comment: WG198755-02
Run Time: 10/17/05 16:36 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00716	.00045	-.00066	.00003	.00038
Stddev	.01380	.00301	.00120	.00105	.00021
%RSD	192.80	673.78	181.44	3425.7	55.029
#1	.01511	-.00036	-.00136	.00024	.00053
#2	-.00878	.00377	.00073	.00096	.00014
#3	.01515	-.00208	-.00136	-.00111	.00046
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.20000	.00800	.02000	.10000	.01000
Low Limit	-.20000	-.00800	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00003	.04814	.00022	-.00042	.00101
Stddev	.00003	.01030	.00050	.00044	.00049
%RSD	80.605	21.402	229.31	104.04	48.657
#1	.00001	.04959	.00066	-.00086	.00063
#2	.00003	.05764	-.00033	-.00043	.00157
#3	.00007	.03719	.00033	.00002	.00084
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00050	.20000	.00200	.00500	.00500
Low Limit	-.00050	-.20000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00311	.00596	.01965	-.00004	.00617
Stddev	.00096	.00192	.01226	.00023	.05031
%RSD	30.917	32.226	62.360	530.19	815.59
#1	-.00378	.00811	.01773	-.00025	.03511
#2	-.00353	.00536	.00848	.00020	-.05193
#3	-.00201	.00441	.03276	-.00008	.03532
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00500	.04000	.50000	.10000	.10000
Low Limit	-.00500	-.04000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00093	.00004	.03192	.00011	.00256
Stddev	.00004	.00111	.00155	.00028	.00239
%RSD	4.2060	2788.5	4.8710	269.87	93.051
#1	.00096	-.00096	.03050	-.00019	.00018
#2	.00094	.00124	.03167	.00037	.00495
#3	.00088	-.00015	.03358	.00013	.00256
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.01000	.10000	.50000	.02000	.02000
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005

Sample Name: PBS AA Run Time: 10/17/05 16:36

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00991	-.00497	.01184	.02596	-.00040
Stddev	.00154	.00723	.00073	.00150	.00118
%RSD	15.550	145.61	6.1838	5.7897	292.02
#1	.01081	-.01332	.01263	.02540	-.00141
#2	.00813	-.00080	.01172	.02767	.00089
#3	.01080	-.00079	.01118	.02483	-.00069
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.02000	.02000	1.0000	.50000	.01000
Low Limit	-.02000	-.02000	-1.0000	-.50000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	-.00033	-.01118	-.00226	.00531
Stddev	.00040	.00533	.00099	.00025
%RSD	120.64	47.676	44.017	4.7684
#1	-.00017	-.00949	-.00312	.00503
#2	-.00004	-.00690	-.00248	.00536
#3	-.00079	-.01716	-.00117	.00553
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.03000	.04000	.01000	.02000
Low Limit	-.03000	-.04000	-.01000	-.02000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: LCSS AA Operator: SLP
Comment: WG198755-03
Run Time: 10/17/05 16:42 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	4.9666	.18747	.19198	4.7842	.49122
Stddev	.0504	.00112	.00181	.0059	.00103
%RSD	1.0139	.59826	.94131	.12327	.20945
#1	4.9086	.18700	.19407	4.7796	.49004
#2	4.9995	.18667	.19094	4.7822	.49189
#3	4.9916	.18875	.19094	4.7908	.49174
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	6.0000	.24000	.24000	6.0000	.60000
Low Limit	4.0000	.16000	.16000	4.0000	.40000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.02417	4.8999	.02545	.09853	.23952
Stddev	.00005	.0172	.00066	.00023	.00097
%RSD	.19032	.35037	2.6024	.23305	.40355
#1	.02422	4.9039	.02620	.09826	.23934
#2	.02414	4.8811	.02519	.09869	.24056
#3	.02415	4.9147	.02495	.09862	.23865
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.03000	6.0000	.03000	.12000	.30000
Low Limit	.02000	4.0000	.02000	.08000	.20000

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.25469	1.9746	23.748	.50804	4.4760
Stddev	.00175	.0089	.244	.00572	.0629
%RSD	.68892	.44834	1.0262	1.1258	1.4050
#1	.25368	1.9668	23.971	.51064	4.4924
#2	.25367	1.9727	23.785	.51200	4.5290
#3	.25672	1.9842	23.488	.50148	4.4065
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.30000	2.4000	30.000	.60000	6.0000
Low Limit	.20000	1.6000	20.000	.40000	4.0000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.24728	.49669	24.864	.24447	.25027
Stddev	.00056	.00527	.231	.00021	.00259
%RSD	.22789	1.0615	.92723	.08685	1.0353
#1	.24664	.49066	24.994	.24471	.25146
#2	.24770	.49900	25.000	.24431	.25205
#3	.24751	.50041	24.598	.24439	.24730
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.30000	.60000	30.000	.30000	.30000
Low Limit	.20000	.40000	20.000	.20000	.20000

Approved: October 18, 2005

Sample Name: LCSS AA Run Time: 10/17/05 16:42

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.55500	.18719	2.2598	.47577	.49810
Stddev	.00347	.01070	.0053	.00317	.00535
%RSD	.62443	5.7176	.23461	.66626	1.0745
#1	.55103	.17538	2.2652	.47235	.49338
#2	.55740	.18994	2.2596	.47634	.50392
#3	.55658	.19624	2.2546	.47862	.49701
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.72000	.24000	3.0000	.60000	.60000
Low Limit	.48000	.16000	2.0000	.40000	.40000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.47921	.23941	.47247	.46369
Stddev	.00129	.01121	.00086	.00073
%RSD	.26997	4.6814	.18225	.15755
#1	.47802	.22655	.47312	.46379
#2	.47904	.24710	.47149	.46436
#3	.48059	.24458	.47279	.46291
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.60000	.30000	.60000	.60000
Low Limit	.40000	.20000	.40000	.40000

Approved: October 18, 2005

Sheri L. Pokrzywa

Method: CLP3 Sample Name: L051027103 Operator: SLP
Comment:
Run Time: 10/17/05 16:48 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	319.60	.01894	.18533	.13241	2.4725
Stddev	1.58	.00136	.00065	.00366	.0126
%RSD	.49438	7.1664	.34936	2.7639	.50860
#1	319.28	.01744	.18497	.13657	2.4703
#2	321.32	.02009	.18494	.13093	2.4860
#3	318.21	.01928	.18608	.12972	2.4611
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01344	102.99	.00460	.21719	.36619
Stddev	.00009	.44	.00037	.00007	.00121
%RSD	.68393	.42796	8.0331	.03169	.32963
#1	.01341	102.71	.00473	.21720	.36759
#2	.01355	103.49	.00488	.21724	.36553
#3	.01337	102.76	.00418	.21711	.36546
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.31164	411.14	29.404	.21495	67.287
Stddev	.00344	1.00	.163	.00175	.496
%RSD	1.1036	.24232	.55477	.81502	.73683
#1	.31173	410.14	29.478	.21660	67.123
#2	.31504	411.16	29.518	.21515	67.844
#3	.30816	412.13	29.217	.21311	66.893
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	12.804	.01374	.91161	.33070	.48315
Stddev	.024	.00042	.00804	.00048	.00870
%RSD	.19051	3.0369	.88213	.14606	1.8007
#1	12.832	.01330	.92058	.33108	.47315
#2	12.794	.01414	.90922	.33085	.48901
#3	12.786	.01379	.90504	.33015	.48728
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005

Sample Name: L051027103 Run Time: 10/17/05 16:48

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00233	.00859	4.9043	.04094	.28647
Stddev	.00834	.00701	.0392	.00333	.00064
%RSD	358.58	81.659	.79878	8.1377	.22389
#1	.00730	.01616	4.9494	.03961	.28721
#2	-.00709	.00727	4.8788	.04473	.28609
#3	-.00719	.00233	4.8847	.03848	.28610
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	3.0355	-.02923	.64848	1.0050
Stddev	.0126	.00604	.00031	.0052
%RSD	.41370	20.678	.04830	.51977
#1	3.0286	-.02814	.64814	1.0110
#2	3.0500	-.03574	.64854	1.0013
#3	3.0278	-.02380	.64876	1.0027
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051027103SDL 0.2 Operator: SLP
Comment: WG198793-02
Run Time: 10/17/05 16:54 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	65.744	.00707	.03939	.02561	.49509
Stddev	.194	.00124	.00159	.00089	.00168
%RSD	.29513	17.605	4.0486	3.4927	.33933
#1	65.522	.00574	.03765	.02600	.49326
#2	65.827	.00821	.04078	.02624	.49656
#3	65.882	.00726	.03973	.02459	.49547
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00282	20.978	.00157	.04821	.07911
Stddev	.00001	.022	.00033	.00031	.00004
%RSD	.47354	.10275	20.719	.63534	.04969
#1	.00284	20.992	.00144	.04835	.07916
#2	.00281	20.954	.00133	.04786	.07909
#3	.00282	20.990	.00194	.04842	.07909
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.06035	92.312	6.0898	.04206	13.315
Stddev	.00032	.133	.0323	.00073	.156
%RSD	.52881	.14374	.52967	1.7253	1.1692
#1	.05998	92.343	6.0529	.04124	13.205
#2	.06053	92.426	6.1126	.04259	13.247
#3	.06053	92.166	6.1038	.04236	13.493
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	3.0532	.00232	.19361	.07186	.11697
Stddev	.0024	.00088	.00279	.00098	.00303
%RSD	.07854	37.844	1.4400	1.3644	2.5919
#1	3.0535	.00271	.19041	.07202	.11626
#2	3.0507	.00131	.19548	.07275	.11435
#3	3.0554	.00294	.19495	.07081	.12029
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005
Sheri L. Blakgard

Sample Name: L051027103SDL 0.2 Run Time: 10/17/05 16:54

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01381	.00191	1.0803	.01270	.07073
Stddev	.00231	.00592	.0049	.00256	.00303
%RSD	16.751	309.87	.45633	20.193	4.2820
#1	.01136	.00679	1.0857	.01004	.06743
#2	.01411	-.00467	1.0760	.01289	.07137
#3	.01596	.00361	1.0792	.01516	.07338
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.60297	-.01289	.12827	.21531
Stddev	.00075	.01366	.00249	.00023
%RSD	.12372	105.97	1.9430	.10457
#1	.60249	-.02209	.12594	.21548
#2	.60383	-.01939	.13090	.21540
#3	.60260	.00281	.12798	.21506
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051027103SDL 0.04 Operator: SLP
Comment: WG198793-02
Run Time: 10/17/05 17:00 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	13.560	.00167	.00589	.00334	.10164
Stddev	.138	.00262	.00301	.00032	.00001
%RSD	1.0161	156.54	51.010	9.4903	.00849
#1	13.401	.00466	.00936	.00325	.10163
#2	13.653	.00059	.00415	.00308	.10165
#3	13.624	-.00023	.00416	.00369	.10165
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00063	4.3048	.00099	.01017	.01645
Stddev	.00001	.0077	.00032	.00026	.00012
%RSD	1.4679	.17828	32.551	2.6009	.75555
#1	.00063	4.3049	.00133	.01048	.01649
#2	.00062	4.3124	.00093	.00999	.01631
#3	.00063	4.2970	.00070	.01006	.01655
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01086	19.046	1.2841	.00841	2.8080
Stddev	.00089	.057	.0158	.00022	.0301
%RSD	8.2225	.29855	1.2276	2.5844	1.0721
#1	.00993	19.031	1.2835	.00819	2.7733
#2	.01095	18.997	1.2686	.00862	2.8260
#3	.01171	19.108	1.3002	.00842	2.8248
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.64967	.00058	.03945	.01480	.02731
Stddev	.00261	.00042	.00180	.00030	.00494
%RSD	.40157	71.637	4.5505	2.0593	18.089
#1	.64699	.00012	.03963	.01466	.02162
#2	.64981	.00093	.03757	.01515	.02985
#3	.65220	.00070	.04115	.01459	.03046
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005

Sample Name: L051027103SDL 0.04 Run Time: 10/17/05 17:00

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00912	-.01003	.22813	.00322	.01436
Stddev	.00567	.00632	.00478	.00261	.00237
%RSD	62.104	63.003	2.0936	80.905	16.499
#1	.00278	-.00409	.22784	.00095	.01200
#2	.01092	-.01667	.22350	.00265	.01674
#3	.01367	-.00932	.23304	.00606	.01435
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.12419	-.00380	.02610	.04626
Stddev	.00041	.00604	.00210	.00030
%RSD	.32953	158.98	8.0608	.64600
#1	.12395	-.00328	.02405	.04598
#2	.12396	-.01008	.02601	.04621
#3	.12466	.00197	.02825	.04657
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051027103PS 0.9 Operator: SLP
Comment: WG198793-01
Run Time: 10/17/05 17:06 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	296.21	.19495	.33818	4.1999	2.7211
Stddev	1.98	.01963	.01951	.3355	.0345
%RSD	.66691	10.070	5.7684	7.9883	1.2681
#1	296.72	.17838	.31731	3.8682	2.6911
#2	297.88	.18985	.34128	4.1924	2.7135
#3	294.03	.21663	.35595	4.5391	2.7588
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.03465	98.180	.02730	.28284	.54083
Stddev	.00252	.234	.00255	.00576	.01307
%RSD	7.2664	.23853	9.3522	2.0348	2.4176
#1	.03255	98.145	.02447	.27727	.52765
#2	.03397	98.430	.02798	.28249	.54104
#3	.03744	97.966	.02944	.28876	.55379
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.52624	376.59	49.219	.65415	66.021
Stddev	.02650	1.69	1.928	.04455	.459
%RSD	5.0357	.44840	3.9163	6.8096	.69571
#1	.50418	378.27	47.693	.61803	66.511
#2	.51890	376.61	48.579	.64051	65.950
#3	.55563	374.89	51.385	.70393	65.601
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	11.969	.44295	23.386	.51038	.65410
Stddev	.080	.03374	2.349	.01450	.01291
%RSD	.66954	7.6164	10.046	2.8410	1.9738
#1	12.040	.40847	21.437	.49540	.64049
#2	11.984	.44449	22.725	.51141	.65562
#3	11.882	.47590	25.994	.52434	.66618
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005

Sample Name: L051027103PS 0.9 Run Time: 10/17/05 17:06

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.51270	.21456	6.4909	.03374	.65882
Stddev	.04599	.01532	.0530	.00313	.04068
%RSD	8.9701	7.1413	.81667	9.2829	6.1744
#1	.46611	.20433	6.4369	.03393	.62357
#2	.51392	.20717	6.4929	.03677	.64955
#3	.55806	.23217	6.5429	.03052	.70333
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	3.2140	.17400	1.0303	1.3469
Stddev	.0321	.01721	.0386	.0247
%RSD	.99750	9.8883	3.7416	1.8331
#1	3.1824	.15444	1.0013	1.3208
#2	3.2131	.18077	1.0156	1.3499
#3	3.2465	.18679	1.0741	1.3699
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051027104 Operator: SLP
Comment:
Run Time: 10/17/05 17:12 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	305.22	.02021	.19439	.18247	1.7190
Stddev	1.31	.00075	.00636	.00410	.0114
%RSD	.42938	3.7138	3.2727	2.2481	.66484
#1	303.74	.02015	.20133	.18698	1.7058
#2	306.24	.01950	.18883	.18146	1.7253
#3	305.68	.02100	.19302	.17896	1.7260
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01305	47.580	.00317	.19116	.38911
Stddev	.00008	.503	.00046	.00042	.00094
%RSD	.58442	1.0570	14.572	.22115	.24259
#1	.01296	47.045	.00265	.19074	.39019
#2	.01308	47.650	.00332	.19159	.38875
#3	.01310	48.044	.00354	.19115	.38841
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.36186	494.92	35.959	.26907	74.204
Stddev	.00207	1.38	.173	.00238	.606
%RSD	.57170	.27791	.48100	.88313	.81637
#1	.35947	493.36	35.915	.27058	73.532
#2	.36304	495.47	36.150	.27031	74.372
#3	.36306	495.94	35.813	.26634	74.709
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	10.244	.01213	.93292	.48504	.32688
Stddev	.012	.00105	.00741	.00071	.00516
%RSD	.11322	8.6884	.79390	.14642	1.5780
#1	10.243	.01303	.93680	.48469	.32271
#2	10.256	.01097	.93758	.48585	.32528
#3	10.233	.01237	.92438	.48457	.33265
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005

Sample Name: L051027104 Run Time: 10/17/05 17:12

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00035	.02471	6.0334	.03544	.18229
Stddev	.00191	.02152	.0995	.00513	.00547
%RSD	545.62	87.063	1.6499	14.469	3.0033
#1	-.00114	.00695	6.1424	.03052	.17832
#2	.00251	.04864	6.0105	.04075	.18854
#3	-.00031	.01855	5.9473	.03507	.18002
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	2.7258	-.03080	.53954	1.1813
Stddev	.0175	.01446	.00589	.0082
%RSD	.64215	46.938	1.0920	.69132
#1	2.7064	-.01417	.53278	1.1903
#2	2.7304	-.03788	.54226	1.1793
#3	2.7405	-.04035	.54357	1.1743
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051027105 Operator: SLP
Comment:
Run Time: 10/17/05 17:18 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	174.91	.01530	.11637	.14647	1.3205
Stddev	.48	.00145	.00710	.00188	.0035
%RSD	.27318	9.4460	6.1027	1.2866	.26791
#1	174.49	.01414	.12194	.14492	1.3181
#2	175.43	.01485	.10837	.14592	1.3189
#3	174.82	.01692	.11880	.14856	1.3246
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00876	443.29	.00722	.11351	.24493
Stddev	.00007	2.36	.00046	.00101	.00168
%RSD	.83206	.53135	6.3264	.88638	.68755
#1	.00869	441.07	.00681	.11302	.24331
#2	.00884	445.77	.00714	.11284	.24482
#3	.00876	443.04	.00771	.11467	.24667
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.31333	264.35	27.449	.18357	161.14
Stddev	.00455	.41	.216	.00146	2.15
%RSD	1.4527	.15566	.78629	.79534	1.3315
#1	.31838	263.97	27.252	.18220	158.76
#2	.31206	264.78	27.415	.18341	161.72
#3	.30954	264.30	27.680	.18510	162.94
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	6.6080	.00701	.91742	.26754	.48683
Stddev	.0194	.00105	.01091	.00069	.00733
%RSD	.29378	14.941	1.1895	.25850	1.5066
#1	6.5884	.00686	.90968	.26802	.49476
#2	6.6084	.00604	.91269	.26675	.48545
#3	6.6272	.00812	.92990	.26784	.48029
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005

Sample Name: L051027105 Run Time: 10/17/05 17:18

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00354	.00090	4.9513	.03487	.42443
Stddev	.00206	.00808	.0378	.00442	.00547
%RSD	58.134	901.11	.76256	12.664	1.2890
#1	-.00237	-.00610	4.9088	.02995	.42978
#2	-.00591	.00975	4.9643	.03848	.42465
#3	-.00233	-.00096	4.9808	.03620	.41885
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	2.0706	-.03086	.36816	1.0709
Stddev	.0079	.00864	.00340	.0048
%RSD	.37959	28.009	.92239	.44914
#1	2.0626	-.03953	.36426	1.0659
#2	2.0784	-.02224	.36979	1.0714
#3	2.0707	-.03083	.37043	1.0755
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051027106 Operator: SLP
Comment: WG198755-01
Run Time: 10/17/05 17:24 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	85.813	.02001	.45810	.21887	1.4566
Stddev	.274	.00123	.00778	.00116	.0057
%RSD	.31985	6.1407	1.6989	.52949	.38892
#1	86.124	.02137	.45844	.21992	1.4628
#2	85.709	.01966	.45016	.21762	1.4555
#3	85.605	.01899	.46571	.21907	1.4516
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.02891	889.17	.01092	.24521	.17772
Stddev	.00003	1.21	.00037	.00068	.00048
%RSD	.12046	.13604	3.4287	.27543	.27269
#1	.02895	890.46	.01135	.24456	.17797
#2	.02890	888.07	.01065	.24591	.17803
#3	.02888	888.97	.01076	.24517	.17716
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.72410	325.82	13.276	.18328	106.91
Stddev	.00523	1.15	.138	.00279	.41
%RSD	.72266	.35381	1.0414	1.5211	.38133
#1	.73010	324.76	13.388	.18580	107.25
#2	.72173	327.04	13.318	.18376	107.04
#3	.72047	325.65	13.122	.18029	106.46
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	5.3095	.02689	.97339	.91318	1.2877
Stddev	.0011	.00106	.01351	.00115	.0105
%RSD	.02059	3.9579	1.3883	.12550	.81471
#1	5.3087	.02595	.98467	.91267	1.2789
#2	5.3107	.02667	.97708	.91238	1.2993
#3	5.3090	.02805	.95841	.91449	1.2848
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005

Sample Name: L051027106 Run Time: 10/17/05 17:24

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00161	.01540	4.9393	.03563	1.3441
Stddev	.00279	.00388	.0241	.00150	.0060
%RSD	173.46	25.212	.48769	4.2170	.44889
#1	.00463	.01182	4.9642	.03393	1.3508
#2	-.00086	.01486	4.9161	.03620	1.3425
#3	.00105	.01953	4.9377	.03677	1.3390
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	4.3256	-.01960	.48143	2.3159
Stddev	.0071	.01045	.00148	.0058
%RSD	.16469	53.312	.30808	.25229
#1	4.3321	-.02183	.48304	2.3218
#2	4.3180	-.00822	.48112	2.3102
#3	4.3268	-.02876	.48012	2.3158
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051027107S Operator: SLP
Comment: WG198755-04
Run Time: 10/17/05 17:30 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	148.86	.20619	.71677	4.6521	2.1350
Stddev	.11	.00224	.00164	.0186	.0048
%RSD	.07128	1.0855	.22932	.39959	.22628
#1	148.95	.20413	.71532	4.6313	2.1296
#2	148.88	.20587	.71643	4.6579	2.1366
#3	148.74	.20858	.71855	4.6671	2.1388
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.06237	918.68	.03623	.40988	.49759
Stddev	.00035	4.01	.00040	.00141	.00325
%RSD	.55812	.43693	1.0944	.34516	.65215
#1	.06196	914.05	.03591	.40837	.49385
#2	.06256	921.09	.03668	.41010	.49932
#3	.06257	920.91	.03612	.41118	.49960
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.1466	437.01	42.245	.68721	105.44
Stddev	.0008	1.81	.087	.00567	.26
%RSD	.06913	.41430	.20552	.82564	.24558
#1	1.1463	434.93	42.277	.69352	105.29
#2	1.1459	437.85	42.311	.68557	105.73
#3	1.1474	438.25	42.146	.68253	105.28
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	6.4982	.46468	23.035	1.4380	1.7959
Stddev	.0374	.00388	.136	.0088	.0030
%RSD	.57554	.83405	.59213	.61229	.16515
#1	6.4552	.46021	23.175	1.4278	1.7925
#2	6.5160	.46698	23.028	1.4430	1.7978
#3	6.5234	.46686	22.902	1.4432	1.7973
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005

Sample Name: L051027107S Run Time: 10/17/05 17:30

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.44988	.23914	7.2115	.50667	1.9468
Stddev	.00263	.00695	.0289	.00639	.0130
%RSD	.58373	2.9045	.40014	1.2614	.66700
#1	.44837	.23271	7.1806	.49966	1.9334
#2	.44835	.24650	7.2162	.50818	1.9478
#3	.45291	.23819	7.2377	.51217	1.9593
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	10.094	.18545	1.1859	3.1035
Stddev	.042	.00914	.0088	.0211
%RSD	.41847	4.9265	.74415	.67876
#1	10.046	.19596	1.1760	3.0793
#2	10.109	.18098	1.1890	3.1137
#3	10.127	.17941	1.1928	3.1175
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: CCV Operator:
Comment:
Run Time: 10/17/05 17:36 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	10.272	.38018	.39658	9.3288	1.0424
Stddev	.060	.00280	.00811	.0147	.0056
%RSD	.58850	.73711	2.0459	.15788	.53836
#1	10.261	.37696	.40318	9.3439	1.0415
#2	10.218	.38211	.39902	9.3280	1.0373
#3	10.337	.38146	.38752	9.3144	1.0484
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	.40000	.40000	10.000	1.0000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04773	9.7816	.05280	.20325	.47716
Stddev	.00004	.0113	.00004	.00131	.00210
%RSD	.07578	.11570	.07997	.64419	.43937
#1	.04770	9.7848	.05284	.20469	.47949
#2	.04773	9.7691	.05276	.20296	.47542
#3	.04777	9.7910	.05280	.20212	.47657
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.05000	10.000	.05000	.20000	.50000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.51628	4.0885	50.266	1.0064	9.2506
Stddev	.00192	.0276	.547	.0161	.1751
%RSD	.37207	.67381	1.0879	1.5966	1.8924
#1	.51617	4.1202	49.834	.99313	9.1875
#2	.51441	4.0751	50.083	1.0018	9.1158
#3	.51825	4.0703	50.881	1.0243	9.4484
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	4.0000	50.000	1.0000	10.000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.48783	1.0166	49.684	.49914	.52430
Stddev	.00154	.0024	.793	.00126	.00540
%RSD	.31469	.23793	1.5957	.25200	1.0306
#1	.48959	1.0194	48.947	.50060	.53007
#2	.48674	1.0150	49.582	.49842	.51935
#3	.48718	1.0154	50.523	.49842	.52347
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	1.0000	50.000	.50000	.50000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Approved: October 18, 2005
Sheri L. Blakgard

Sample Name: CCV Run Time: 10/17/05 17:36

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.1845	.41278	Q .00777	1.0249	1.0200
Stddev	.0052	.01162	.00284	.0053	.0072
%RSD	.43906	2.8139	36.498	.51564	.70407
#1	1.1860	.42322	.01102	1.0285	1.0283
#2	1.1887	.40027	.00651	1.0274	1.0160
#3	1.1787	.41485	.00579	1.0188	1.0157
Check ?	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	1.2000	.40000	5.0000	1.0000	1.0000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.96930	.47547	.94299	.93528
Stddev	.00463	.00321	.00867	.00137
%RSD	.47777	.67465	.91979	.14656
#1	.96679	.47870	.93510	.93569
#2	.96646	.47543	.94158	.93375
#3	.97464	.47229	.95228	.93640
Check ?	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.50000	1.0000	1.0000
Range	10.000%	10.000%	10.000%	10.000%

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: CCB Operator:
Comment:
Run Time: 10/17/05 17:42 Type: Blank Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00868	.00185	.00247	.00029	.00029
Stddev	.02210	.00044	.00060	.00139	.00017
%RSD	254.47	23.737	24.418	485.21	58.347
#1	-.02852	.00147	.00283	.00189	.00048
#2	.01514	.00233	.00178	-.00054	.00017
#3	-.01267	.00175	.00281	-.00049	.00021
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.20000	.00500	.01000	.05000	.00250
Low Limit	-.20000	-.00500	-.01000	-.05000	-.00250

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00002	-.00227	.00030	-.00028	-.00021
Stddev	.00001	.01524	.00023	.00002	.00028
%RSD	57.810	671.39	76.724	7.2281	131.27
#1	.00003	.00658	.00041	-.00027	-.00017
#2	.00001	-.01986	.00046	-.00027	.00004
#3	.00002	.00648	.00004	-.00030	-.00052
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00025	.05000	.00100	.00250	.00250
Low Limit	-.00025	-.05000	-.00100	-.00250	-.00250

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00243	-.00360	.03630	.00007	.00057
Stddev	.00064	.00497	.00437	.00011	.06076
%RSD	26.193	138.12	12.047	164.19	10597.
#1	-.00251	-.00934	.03664	.00013	-.06958
#2	-.00176	-.00062	.03176	.00014	.03560
#3	-.00302	-.00084	.04049	-.00006	.03571
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.01000	.02000	.25000	.05000	.10000
Low Limit	-.01000	-.02000	-.25000	-.05000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00000	-.00003	.01455	-.00027	.00099
Stddev	.0000	.00012	.00481	.00056	.00535
%RSD	665.82	432.65	33.036	207.77	542.73
#1	.00000	-.00003	.01993	.00037	.00437
#2	-.00003	-.00014	.01305	-.00051	-.00518
#3	.00002	.00009	.01068	-.00068	.00377
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00250	.05000	.10000	.01000	.01000
Low Limit	-.00250	-.05000	-.10000	-.01000	-.01000

Approved: October 18, 2005
Sheri L. Blakgrad

Sample Name: CCB Run Time: 10/17/05 17:42

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01313	-.00662	-.00169	.00227	-.00146
Stddev	.00506	.01157	.00087	.00256	.00092
%RSD	38.508	174.83	51.306	112.80	62.676
#1	.01859	.00559	-.00224	.00493	-.00200
#2	.01222	-.00801	-.00069	.00208	-.00040
#3	.00859	-.01742	-.00213	-.00019	-.00199
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.02000	.01000	.25000	.20000	.00500
Low Limit	-.02000	-.01000	-.25000	-.20000	-.00500

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	-.00079	-.00459	-.00107	.00024
Stddev	.00000	.00214	.00050	.00009
%RSD	.05948	46.741	46.410	37.300
#1	-.00079	-.00686	-.00052	.00018
#2	-.00079	-.00431	-.00149	.00035
#3	-.00079	-.00259	-.00119	.00020
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.01500	.02000	.00728	.01000
Low Limit	-.01500	-.02000	-.00728	-.01000

Approved: October 18, 2005

Method: CLP3 Sample Name: L051027108SD Operator: SLP
Comment: WG198755-05
Run Time: 10/17/05 17:48 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	182.54	.21108	.71441	4.6678	2.9326
Stddev	.74	.00077	.01015	.0108	.0128
%RSD	.40766	.36540	1.4213	.23182	.43537
#1	181.74	.21028	.70700	4.6555	2.9179
#2	182.69	.21182	.71025	4.6722	2.9385
#3	183.20	.21115	.72598	4.6758	2.9413
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.06575	H 1002.5	.03518	.41911	.49263
Stddev	.00024	3.5	.00021	.00424	.00269
%RSD	.36379	.35371	.60402	1.0119	.54567
#1	.06552	998.56	.03496	.41461	.48955
#2	.06600	1003.3	.03518	.41971	.49452
#3	.06574	1005.5	.03539	.42303	.49381
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.1477	496.30	44.684	.76944	105.01
Stddev	.0050	3.80	.060	.00086	.07
%RSD	.43981	.76629	.13456	.11165	.06219
#1	1.1425	492.31	44.742	.77019	104.96
#2	1.1481	496.71	44.622	.76850	105.08
#3	1.1526	499.88	44.687	.76962	104.99
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	6.0681	.46333	23.926	1.4055	1.6198
Stddev	.0293	.00324	.052	.0089	.0156
%RSD	.48266	.69944	.21650	.63111	.96380
#1	6.0347	.45989	23.962	1.3957	1.6055
#2	6.0894	.46375	23.949	1.4082	1.6176
#3	6.0802	.46633	23.866	1.4128	1.6365
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005

Sample Name: L051027108SD Run Time: 10/17/05 17:48

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.46220	.22069	8.0027	.45473	2.1618
Stddev	.00435	.01974	.0306	.00788	.0279
%RSD	.94074	8.9425	.38193	1.7327	1.2901
#1	.45724	.19793	7.9772	.45018	2.1312
#2	.46534	.23300	8.0366	.46383	2.1685
#3	.46403	.23115	7.9942	.45018	2.1858
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	8.9551	.17471	1.2286	3.3209
Stddev	.0302	.01329	.0033	.0213
%RSD	.33746	7.6069	.26821	.64198
#1	8.9209	.16183	1.2300	3.2978
#2	8.9660	.17392	1.2311	3.3399
#3	8.9783	.18838	1.2249	3.3248
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051027112 Operator: SLP
Comment:
Run Time: 10/17/05 17:54 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	264.04	.02512	.20349	.13072	2.2883
Stddev	1.97	.00260	.00397	.00327	.0154
%RSD	.74691	10.363	1.9493	2.5041	.67103
#1	262.23	.02705	.20523	.12741	2.2709
#2	266.14	.02614	.19895	.13080	2.2999
#3	263.75	.02216	.20628	.13395	2.2941
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01546	88.172	.00644	.18881	.34164
Stddev	.00018	.899	.00031	.00040	.00267
%RSD	1.1494	1.0200	4.7682	.21231	.78252
#1	.01525	87.209	.00665	.18926	.33896
#2	.01558	88.990	.00659	.18850	.34167
#3	.01553	88.319	.00609	.18866	.34430
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.47133	352.45	42.367	.20745	51.364
Stddev	.00156	1.02	.311	.00132	.776
%RSD	.33176	.28892	.73359	.63531	1.5103
#1	.46984	351.54	42.060	.20612	50.469
#2	.47296	353.55	42.681	.20875	51.838
#3	.47120	352.26	42.361	.20747	51.786
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	10.347	.01441	.56395	.37183	.67505
Stddev	.043	.00110	.00612	.00078	.00764
%RSD	.41804	7.6040	1.0858	.21063	1.1320
#1	10.297	.01330	.55709	.37093	.67637
#2	10.372	.01549	.56886	.37233	.68195
#3	10.373	.01443	.56591	.37223	.66684
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005
Sheri L. Blakgard

Sample Name: L051027112 Run Time: 10/17/05 17:54

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00781	.02479	4.9958	.04720	.29658
Stddev	.00624	.00480	.0471	.00230	.00363
%RSD	79.919	19.355	.94341	4.8691	1.2242
#1	.00426	.02958	4.9453	.04473	.29301
#2	.00415	.02479	5.0034	.04928	.30027
#3	.01501	.01999	5.0386	.04758	.29646
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	2.6171	-.03503	.57082	1.4173
Stddev	.0255	.00821	.00998	.0098
%RSD	.97237	23.430	1.7485	.69377
#1	2.5887	-.03447	.55984	1.4080
#2	2.6380	-.04350	.57327	1.4162
#3	2.6245	-.02711	.57934	1.4276
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051027113 Operator: SLP
Comment:
Run Time: 10/17/05 18:00 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	218.75	.01518	.15283	.13341	2.6567
Stddev	1.77	.00058	.00918	.00284	.0036
%RSD	.80719	3.8163	6.0035	2.1297	.13651
#1	220.79	.01453	.14230	.13647	2.6595
#2	217.69	.01564	.15912	.13290	2.6579
#3	217.77	.01538	.15707	.13086	2.6526
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01170	980.78	.00634	.15112	.25203
Stddev	.00007	2.74	.00036	.00096	.00051
%RSD	.58215	.27906	5.6679	.63467	.20096
#1	.01171	978.19	.00674	.15027	.25195
#2	.01176	983.64	.00605	.15216	.25257
#3	.01163	980.52	.00624	.15092	.25156
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.34826	279.72	37.916	.21706	201.91
Stddev	.00202	1.51	.324	.00161	1.47
%RSD	.58017	.54070	.85442	.74139	.72697
#1	.34595	278.02	38.288	.21892	203.58
#2	.34968	280.20	37.762	.21614	201.31
#3	.34915	280.93	37.697	.21613	200.84
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	10.053	.01210	1.1410	.30518	.46314
Stddev	.025	.00172	.0175	.00106	.00472
%RSD	.25251	14.207	1.5319	.34788	1.0194
#1	10.056	.01407	1.1611	.30624	.45778
#2	10.076	.01098	1.1323	.30520	.46669
#3	10.026	.01123	1.1295	.30411	.46494
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005
Sheri L. Blakgard

Sample Name: L051027113 Run Time: 10/17/05 18:00

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00257	.00051	4.5132	.03677	1.0835
Stddev	.00178	.01709	.0597	.00285	.0089
%RSD	69.242	3374.0	1.3217	7.7373	.82456
#1	.00057	.01986	4.5730	.03677	1.0760
#2	.00398	-.01253	4.5129	.03392	1.0810
#3	.00315	-.00581	4.4537	.03961	1.0934
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	3.4478	-.03327	.42664	1.2205
Stddev	.0064	.00320	.00308	.0151
%RSD	.18455	9.6205	.72240	1.2375
#1	3.4472	-.03547	.43018	1.2368
#2	3.4544	-.03474	.42519	1.2178
#3	3.4417	-.02960	.42455	1.2070
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051027114 Operator: SLP
Comment:
Run Time: 10/17/05 18:06 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	306.64	.01874	.16809	.15952	2.3380
Stddev	2.15	.00079	.00538	.00093	.0203
%RSD	.70024	4.1933	3.1990	.58176	.86927
#1	304.18	.01958	.16358	.16036	2.3145
#2	308.15	.01802	.16666	.15852	2.3496
#3	307.58	.01863	.17404	.15968	2.3499
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01266	114.84	.00613	.20288	.35232
Stddev	.00010	1.27	.00021	.00139	.00022
%RSD	.77174	1.1065	3.4960	.68316	.06251
#1	.01263	113.39	.00589	.20148	.35217
#2	.01277	115.76	.00632	.20291	.35223
#3	.01258	115.36	.00616	.20426	.35258
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.30734	384.46	41.681	.22018	62.340
Stddev	.00203	1.42	.441	.00289	.393
%RSD	.65930	.36941	1.0585	1.3103	.63073
#1	.30501	383.11	41.276	.21732	61.887
#2	.30865	384.34	41.615	.22013	62.593
#3	.30837	385.94	42.151	.22309	62.539
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	11.572	.01254	.67510	.30046	.74637
Stddev	.032	.00047	.00933	.00174	.00175
%RSD	.27245	3.7119	1.3816	.57999	.23423
#1	11.537	.01262	.66703	.29890	.74716
#2	11.582	.01297	.67296	.30013	.74436
#3	11.598	.01204	.68532	.30234	.74758
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005
Sheri L. Blakgard

Sample Name: L051027114 Run Time: 10/17/05 18:06

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00500	.03410	5.2070	.04322	.27277
Stddev	.00409	.01151	.0098	.00343	.00194
%RSD	81.749	33.760	.18778	7.9307	.71023
#1	-.00737	.04659	5.2089	.03962	.27388
#2	-.00736	.02391	5.2158	.04644	.27389
#3	-.00028	.03180	5.1965	.04360	.27053
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	2.8908	-.02591	.59916	1.4045
Stddev	.0271	.00692	.00631	.0016
%RSD	.93796	26.725	1.0524	.11173
#1	2.8596	-.02670	.59192	1.4041
#2	2.9091	-.01862	.60343	1.4062
#3	2.9037	-.03240	.60213	1.4032
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051027115 Operator: SLP
Comment:
Run Time: 10/17/05 18:12 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	305.39	.01884	.16192	.16561	2.3321
Stddev	3.70	.00108	.00496	.00160	.0235
%RSD	1.2128	5.7101	3.0645	.96479	1.0075
#1	301.17	.01774	.16579	.16456	2.3050
#2	308.09	.01989	.15633	.16482	2.3468
#3	306.91	.01888	.16365	.16745	2.3445
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01279	108.86	.00519	.21016	.35428
Stddev	.00007	1.11	.00027	.00129	.00239
%RSD	.54234	1.0205	5.2102	.61297	.67463
#1	.01274	107.59	.00550	.20869	.35158
#2	.01287	109.66	.00500	.21110	.35514
#3	.01277	109.33	.00507	.21069	.35611
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.30436	386.76	41.561	.21893	57.910
Stddev	.00302	1.71	.535	.00307	.668
%RSD	.99303	.44280	1.2883	1.4011	1.1530
#1	.30103	384.81	40.945	.21543	57.187
#2	.30512	387.41	41.917	.22023	58.042
#3	.30693	388.04	41.821	.22113	58.502
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	12.234	.01115	.65118	.30330	.75633
Stddev	.061	.00146	.01216	.00183	.01305
%RSD	.49777	13.122	1.8667	.60462	1.7259
#1	12.169	.01270	.63720	.30119	.74360
#2	12.245	.00980	.65922	.30422	.75571
#3	12.289	.01094	.65712	.30449	.76968
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005
Sheri L. Pokorny

Sample Name: L051027115 Run Time: 10/17/05 18:12

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00002	.02508	5.6033	.04151	.26259
Stddev	.00418	.00697	.0145	.00268	.00647
%RSD	17494.	27.803	.25824	6.4664	2.4645
#1	.00433	.01723	5.6108	.03848	.25556
#2	-.00400	.03055	5.5866	.04246	.26390
#3	-.00040	.02746	5.6124	.04359	.26830
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	2.9164	-.03413	.60887	1.4275
Stddev	.0336	.00335	.00611	.0052
%RSD	1.1531	9.8149	1.0030	.36157
#1	2.8776	-.03059	.60289	1.4233
#2	2.9340	-.03725	.60860	1.4261
#3	2.9375	-.03454	.61510	1.4333
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051027116 Operator: SLP
Comment:
Run Time: 10/17/05 18:18 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	300.41	.01747	.17224	.13621	2.2461
Stddev	.89	.00213	.00453	.00125	.0039
%RSD	.29679	12.211	2.6279	.91745	.17311
#1	299.67	.01785	.17531	.13485	2.2418
#2	300.16	.01939	.16704	.13731	2.2470
#3	301.40	.01517	.17436	.13647	2.2494
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01324	74.610	.00550	.19673	.35058
Stddev	.00007	.372	.00076	.00062	.00073
%RSD	.54015	.49841	13.780	.31298	.20934
#1	.01317	74.188	.00493	.19617	.34974
#2	.01332	74.892	.00521	.19663	.35097
#3	.01324	74.749	.00636	.19739	.35104
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.31305	390.35	41.634	.22898	59.599
Stddev	.00015	2.11	.403	.00230	.361
%RSD	.04726	.53954	.96676	1.0053	.60639
#1	.31322	387.99	41.564	.22952	59.189
#2	.31296	391.03	41.271	.22645	59.733
#3	.31297	392.03	42.066	.23096	59.874
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	10.449	.01004	.56879	.31415	.60497
Stddev	.043	.00036	.00568	.00161	.00805
%RSD	.41206	3.5506	.99888	.51354	1.3315
#1	10.402	.00996	.56879	.31238	.59592
#2	10.459	.00973	.56311	.31453	.60763
#3	10.486	.01042	.57447	.31554	.61136
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005
Sheri L. Blakgard

Sample Name: L051027116 Run Time: 10/17/05 18:18

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00110	.00783	5.1334	.04113	.21934
Stddev	.00248	.00862	.0068	.00183	.00165
%RSD	225.10	110.14	.13279	4.4466	.75136
#1	.00391	.01336	5.1343	.03905	.22071
#2	.00017	.01223	5.1261	.04189	.21980
#3	-.00077	-.00211	5.1397	.04246	.21751
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	2.6189	-.03275	.57731	1.1678
Stddev	.0089	.00895	.00426	.0005
%RSD	.34081	27.321	.73710	.04278
#1	2.6086	-.02564	.57467	1.1683
#2	2.6238	-.04280	.57505	1.1677
#3	2.6243	-.02981	.58222	1.1673
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051013404 Operator: SLP
Comment:
Run Time: 10/17/05 18:24 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	119.71	.03853	.03006	.75879	15.826
Stddev	.54	.00080	.00731	.00108	.056
%RSD	.45034	2.0857	24.316	.14297	.35303
#1	119.37	.03760	.02485	.75807	15.821
#2	119.44	.03898	.03841	.75826	15.773
#3	120.34	.03900	.02691	.76004	15.885
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00039	31.670	.26490	.10721	1.5095
Stddev	.00002	.374	.00129	.00069	.0075
%RSD	5.0398	1.1814	.48761	.64604	.49397
#1	.00039	32.100	.26637	.10674	1.5045
#2	.00037	31.491	.26399	.10689	1.5058
#3	.00041	31.418	.26433	.10801	1.5180
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	2.8969	100.92	4.2423	.01456	62.351
Stddev	.0125	.31	.0403	.00036	.159
%RSD	.43109	.30242	.95001	2.4495	.25556
#1	2.8914	101.03	4.2262	.01429	62.520
#2	2.8881	100.58	4.2126	.01443	62.204
#3	2.9112	101.16	4.2882	.01496	62.328
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.1594	.17268	5.1048	.88399	.75353
Stddev	.0034	.00175	.0828	.00335	.00359
%RSD	.29781	1.0133	1.6222	.37924	.47605
#1	1.1577	.17246	5.0635	.88391	.75486
#2	1.1571	.17105	5.0507	.88067	.74947
#3	1.1634	.17453	5.2001	.88738	.75626
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005
Sheri L. Blakgard

Sample Name: L051013404 Run Time: 10/17/05 18:24

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.05857	L -.10044	2.4642	.09515	.38141
Stddev	.00407	.00383	.0062	.00215	.00257
%RSD	6.9547	3.8153	.25227	2.2626	.67310
#1	.05676	-.10201	2.4593	.09364	.37987
#2	.06323	-.09607	2.4712	.09762	.37998
#3	.05572	-.10324	2.4621	.09420	.38437
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	1.2850	L -.05798	.03179	14.413
Stddev	.0029	.00176	.00178	.038
%RSD	.22819	3.0349	5.5998	.26381
#1	1.2847	-.05936	.03383	14.369
#2	1.2823	-.05859	.03059	14.435
#3	1.2881	-.05600	.03094	14.435
Check ?	LC Pass	LC Fail	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgard

Method: CLP3 Sample Name: L051013405 Operator: SLP
Comment:
Run Time: 10/17/05 18:30 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	88.580	.03770	.02759	.44016	13.961
Stddev	.640	.00031	.00483	.00132	.074
%RSD	.72215	.83109	17.503	.29983	.53049
#1	88.173	.03737	.02479	.43910	13.911
#2	88.250	.03799	.02481	.43975	13.926
#3	89.318	.03772	.03316	.44164	14.046
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00023	20.143	.16875	.07658	1.0698
Stddev	.00002	.149	.00110	.00065	.0032
%RSD	9.2424	.73808	.65057	.85470	.30122
#1	.00025	19.999	.16774	.07617	1.0663
#2	.00023	20.133	.16859	.07733	1.0704
#3	.00021	20.296	.16992	.07622	1.0727
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.4064	75.057	3.4328	.01128	49.140
Stddev	.0077	.538	.0294	.00032	.164
%RSD	.54791	.71684	.85722	2.7990	.33308
#1	1.4000	74.496	3.4422	.01158	49.029
#2	1.4042	75.107	3.3998	.01095	49.063
#3	1.4149	75.569	3.4563	.01130	49.328
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.91441	.16217	7.1073	.52050	.58583
Stddev	.00324	.00179	.0631	.00166	.00208
%RSD	.35481	1.1017	.88831	.31937	.35489
#1	.91160	.16317	7.1164	.51942	.58521
#2	.91367	.16324	7.0401	.51967	.58815
#3	.91796	.16011	7.1654	.52242	.58414
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005
Sheri L. Blakgard

Sample Name: L051013405 Run Time: 10/17/05 18:30

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04956	L -.08074	2.2212	.07051	.30886
Stddev	.00489	.01101	.0037	.00143	.00494
%RSD	9.8732	13.642	.16687	2.0293	1.6011
#1	.04451	-.07021	2.2190	.06919	.30728
#2	.04989	-.07982	2.2190	.07203	.30489
#3	.05428	-.09219	2.2254	.07032	.31440
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	1.0396	L -.05362	.02352	10.620
Stddev	.0104	.00562	.00151	.011
%RSD	1.0025	10.486	6.4238	.10775
#1	1.0327	-.05395	.02220	10.607
#2	1.0345	-.05906	.02318	10.627
#3	1.0516	-.04784	.02517	10.626
Check ?	LC Pass	LC Fail	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051026101 Operator: SLP
Comment:
Run Time: 10/17/05 18:36 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	459.44	.02077	.08522	.16439	1.5886
Stddev	1.79	.00172	.00485	.00275	.0042
%RSD	.39050	8.2978	5.6950	1.6745	.26590
#1	460.87	.02202	.09070	.16220	1.5882
#2	460.02	.02149	.08351	.16349	1.5930
#3	457.43	.01881	.08146	.16748	1.5845
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00977	112.85	.00287	.27781	.75105
Stddev	.00003	.12	.00058	.00109	.00331
%RSD	.30808	.10899	20.326	.39357	.44008
#1	.00980	112.71	.00306	.27663	.74731
#2	.00978	112.93	.00222	.27802	.75225
#3	.00974	112.92	.00334	.27879	.75358
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.49886	498.34	12.805	.27459	149.39
Stddev	.00137	1.38	.078	.00251	.87
%RSD	.27375	.27623	.60819	.91260	.58493
#1	.50006	496.84	12.785	.27525	148.39
#2	.49915	499.53	12.890	.27669	149.77
#3	.49737	498.66	12.738	.27182	150.01
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	9.1843	-.00242	13.830	.43576	.09414
Stddev	.0395	.00136	.102	.00174	.00329
%RSD	.42974	56.159	.73492	.39918	3.4986
#1	9.1397	-.00269	13.829	.43422	.09555
#2	9.1987	-.00095	13.933	.43541	.09649
#3	9.2146	-.00362	13.730	.43765	.09038
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005

Sample Name: L051026101 Run Time: 10/17/05 18:36

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00329	.02373	4.7531	.03488	1.3035
Stddev	.00809	.01812	.0214	.00292	.0188
%RSD	245.77	76.371	.44964	8.3676	1.4435
#1	-.01163	.02367	4.7369	.03165	1.2885
#2	-.00277	.00564	4.7451	.03563	1.3246
#3	.00452	.04188	4.7773	.03734	1.2974
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	12.232	-.02017	1.1763	.89713
Stddev	.023	.00314	.0086	.00353
%RSD	.18884	15.577	.72646	.39323
#1	12.206	-.01815	1.1665	.89428
#2	12.250	-.01857	1.1818	.89602
#3	12.241	-.02379	1.1807	.90107
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051026102 Operator: SLP
Comment:
Run Time: 10/17/05 18:42 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	364.32	.02180	.10057	.14336	1.2922
Stddev	2.13	.00135	.00337	.00397	.0027
%RSD	.58539	6.2113	3.3499	2.7684	.20885
#1	366.21	.02286	.09808	.13907	1.2952
#2	364.75	.02227	.10440	.14411	1.2913
#3	362.01	.02027	.09922	.14690	1.2900
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00530	506.79	.00346	.13402	.57949
Stddev	.00005	.67	.00091	.00068	.00257
%RSD	.85621	.13303	26.213	.51080	.44286
#1	.00533	507.45	.00443	.13473	.57690
#2	.00525	506.10	.00263	.13336	.57953
#3	.00532	506.83	.00331	.13397	.58203
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.40093	435.16	17.636	.23864	162.97
Stddev	.00249	.48	.123	.00211	.35
%RSD	.62087	.11103	.69736	.88605	.21743
#1	.40380	434.60	17.774	.24079	162.58
#2	.39949	435.45	17.597	.23857	163.06
#3	.39949	435.43	17.537	.23656	163.27
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	3.3488	-.00148	11.401	.31795	.07628
Stddev	.0146	.00025	.066	.00110	.00304
%RSD	.43620	16.771	.57459	.34476	3.9816
#1	3.3331	-.00120	11.455	.31670	.07453
#2	3.3514	-.00168	11.419	.31874	.07453
#3	3.3620	-.00157	11.328	.31841	.07979
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005

Sample Name: L051026102 Run Time: 10/17/05 18:42

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.01367	.01515	4.7308	.03317	2.7718
Stddev	.00359	.01285	.0181	.00473	.0053
%RSD	26.270	84.763	.38227	14.274	.19013
#1	-.01354	.00984	4.7100	.03848	2.7715
#2	-.01015	.00582	4.7427	.02938	2.7667
#3	-.01732	.02980	4.7397	.03165	2.7772
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	13.754	-.00144	1.3188	.75546
Stddev	.009	.00147	.0014	.00431
%RSD	.06538	102.48	.10439	.57054
#1	13.764	-.00223	1.3194	.75085
#2	13.751	-.00234	1.3172	.75614
#3	13.747	.00026	1.3197	.75939
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: CCV Operator:
Comment:
Run Time: 10/17/05 18:48 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	10.143	.37720	.40040	9.2931	1.0306
Stddev	.047	.00223	.00395	.0127	.0018
%RSD	.46636	.59124	.98599	.13651	.17257
#1	10.122	.37821	.40215	9.2946	1.0292
#2	10.197	.37465	.39587	9.3049	1.0326
#3	10.110	.37875	.40316	9.2797	1.0301
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	.40000	.40000	10.000	1.0000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04777	9.7830	.05181	.20278	.47839
Stddev	.00006	.0209	.00098	.00014	.00195
%RSD	.11800	.21405	1.8945	.06996	.40845
#1	.04775	9.8001	.05289	.20263	.48060
#2	.04773	9.7894	.05156	.20291	.47765
#3	.04784	9.7597	.05097	.20280	.47691
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.05000	10.000	.05000	.20000	.50000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.51035	4.0933	48.845	.97230	9.2106
Stddev	.00091	.0272	.142	.00731	.1247
%RSD	.17776	.66439	.29071	.75157	1.3536
#1	.50935	4.1224	48.701	.96453	9.1873
#2	.51060	4.0888	48.985	.97904	9.0992
#3	.51111	4.0686	48.849	.97333	9.3452
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	4.0000	50.000	1.0000	10.000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.48844	1.0194	48.372	.50054	.52336
Stddev	.00130	.0010	.263	.00055	.00480
%RSD	.26632	.09546	.54430	.10991	.91727
#1	.48977	1.0191	48.144	.50116	.52059
#2	.48838	1.0205	48.661	.50011	.52891
#3	.48717	1.0187	48.312	.50034	.52059
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	1.0000	50.000	.50000	.50000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Approved: October 18, 2005
Sheri L. Blakgard

Sample Name: CCV Run Time: 10/17/05 18:48

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.1821	.39908	Q .00308	1.0308	1.0269
Stddev	.0059	.01361	.00069	.0055	.0044
%RSD	.50025	3.4099	22.479	.53299	.42436
#1	1.1879	.40639	.00348	1.0331	1.0303
#2	1.1825	.38338	.00347	1.0348	1.0285
#3	1.1760	.40747	.00228	1.0245	1.0220
Check ?	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	1.2000	.40000	5.0000	1.0000	1.0000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.96566	.47903	.93693	.93937
Stddev	.00122	.01050	.00099	.00123
%RSD	.12609	2.1923	.10563	.13070
#1	.96658	.48820	.93801	.94043
#2	.96613	.48132	.93671	.93966
#3	.96428	.46758	.93607	.93803
Check ?	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.50000	1.0000	1.0000
Range	10.000%	10.000%	10.000%	10.000%

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: CCB Operator:
Comment:
Run Time: 10/17/05 18:54 Type: Blank Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00208	.00144	-.00449	.00056	.00007
Stddev	.03191	.00059	.00312	.00131	.00032
%RSD	1533.7	40.635	69.537	232.87	443.54
#1	-.03259	.00200	-.00137	.00205	.00041
#2	-.00471	.00083	-.00761	.00008	.00003
#3	.03106	.00150	-.00449	-.00044	-.00023
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.20000	.00500	.01000	.05000	.00250
Low Limit	-.20000	-.00500	-.01000	-.05000	-.00250

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00006	.00354	.00056	-.00027	-.00004
Stddev	.00002	.00586	.00014	.00009	.00057
%RSD	27.362	165.69	24.915	34.024	1416.5
#1	.00008	.00350	.00066	-.00037	-.00069
#2	.00005	.00942	.00040	-.00020	.00039
#3	.00006	-.00230	.00062	-.00023	.00018
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00025	.05000	.00100	.00250	.00250
Low Limit	-.00025	-.05000	-.00100	-.00250	-.00250

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00370	.00063	.01542	-.00014	.01154
Stddev	.00169	.00347	.01171	.00031	.03601
%RSD	45.712	546.74	75.924	224.83	312.10
#1	-.00555	.00457	.01384	.00018	-.01721
#2	-.00328	-.00198	.00459	-.00045	.05193
#3	-.00225	-.00069	.02784	-.00015	-.00011
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.01000	.02000	.25000	.05000	.10000
Low Limit	-.01000	-.02000	-.25000	-.05000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00002	-.00037	.00952	-.00092	.00515
Stddev	.00004	.00111	.00421	.00101	.00382
%RSD	182.88	295.33	44.202	110.18	74.115
#1	-.00002	.00067	.01402	-.00100	.00080
#2	.00006	-.00153	.00889	-.00188	.00792
#3	.00003	-.00026	.00567	.00013	.00672
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00250	.05000	.10000	.01000	.01000
Low Limit	-.00250	-.05000	-.10000	-.01000	-.01000

Approved: October 18, 2005
Sheri L. Blakgard

Sample Name: CCB Run Time: 10/17/05 18:54

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00864	-.00487	-.00287	.00322	-.00156
Stddev	.00473	.00455	.00028	.00114	.00095
%RSD	54.817	93.561	9.6243	35.309	60.806
#1	.00327	-.00278	-.00258	.00436	-.00069
#2	.01221	-.01009	-.00290	.00208	-.00142
#3	.01044	-.00173	-.00313	.00322	-.00257
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.02000	.01000	.25000	.20000	.00500
Low Limit	-.02000	-.01000	-.25000	-.20000	-.00500

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	-.00047	-.00003	-.00151	.00009
Stddev	.00039	.00167	.00197	.00011
%RSD	83.707	5300.6	130.62	126.87
#1	-.00092	-.00006	-.00281	.00019
#2	-.00024	.00166	-.00248	.00010
#3	-.00024	-.00169	.00076	-.00003
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.01500	.02000	.00728	.01000
Low Limit	-.01500	-.02000	-.00728	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051026103 Operator: SLP
Comment:
Run Time: 10/17/05 19:00 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	494.49	.02313	.08858	.23088	3.1507
Stddev	3.91	.00117	.00997	.00477	.0179
%RSD	.78986	5.0619	11.261	2.0661	.56921
#1	490.24	.02325	.07707	.23463	3.1300
#2	497.93	.02424	.09476	.23251	3.1622
#3	495.30	.02191	.09389	.22552	3.1598
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00985	296.21	.00302	.26332	.69317
Stddev	.00011	2.08	.00095	.00293	.00180
%RSD	1.1061	.70192	31.440	1.1117	.26002
#1	.00972	294.05	.00345	.26002	.69131
#2	.00992	296.38	.00193	.26433	.69491
#3	.00990	298.20	.00368	.26560	.69329
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.52515	516.93	20.815	.31633	168.88
Stddev	.00286	3.94	.078	.00301	.59
%RSD	.54526	.76156	.37405	.95187	.34924
#1	.52211	512.82	20.771	.31319	168.79
#2	.52780	517.32	20.905	.31919	168.34
#3	.52552	520.66	20.769	.31661	169.51
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	11.261	-.00272	15.734	.48346	.09934
Stddev	.039	.00113	.141	.00257	.00825
%RSD	.34744	41.754	.89776	.53189	8.3014
#1	11.217	-.00218	15.602	.48051	.09628
#2	11.274	-.00195	15.883	.48462	.10868
#3	11.292	-.00402	15.716	.48525	.09306
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005

Sample Name: L051026103 Run Time: 10/17/05 19:00

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00331	.00889	4.2769	.03734	2.3174
Stddev	.00760	.00334	.0305	.00429	.0295
%RSD	229.35	37.558	.71364	11.497	1.2752
#1	.00295	.00793	4.2945	.03279	2.2901
#2	-.01176	.00614	4.2945	.04132	2.3132
#3	-.00113	.01261	4.2416	.03791	2.3488
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	14.473	-.01891	1.3680	1.0118
Stddev	.086	.00578	.0056	.0043
%RSD	.59591	30.555	.40878	.42209
#1	14.374	-.02548	1.3655	1.0123
#2	14.516	-.01661	1.3641	1.0159
#3	14.529	-.01463	1.3744	1.0074
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051026104 Operator: SLP
Comment:
Run Time: 10/17/05 19:06 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	361.15	.01744	.12262	.13186	1.9590
Stddev	2.04	.00114	.00314	.00167	.0112
%RSD	.56446	6.5388	2.5591	1.2686	.57136
#1	362.78	.01876	.11949	.12993	1.9668
#2	361.80	.01673	.12260	.13280	1.9639
#3	358.86	.01684	.12576	.13284	1.9461
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00738	341.87	.00270	.21096	.55815
Stddev	.00005	1.22	.00033	.00020	.00247
%RSD	.65084	.35823	12.147	.09583	.44166
#1	.00734	343.27	.00306	.21107	.55551
#2	.00743	341.35	.00262	.21108	.55855
#3	.00737	341.00	.00242	.21072	.56040
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.44619	414.08	15.320	.22856	144.38
Stddev	.00293	.83	.085	.00084	.71
%RSD	.65636	.20028	.55295	.36675	.49269
#1	.44522	414.98	15.235	.22908	143.78
#2	.44949	413.90	15.404	.22900	144.18
#3	.44388	413.35	15.321	.22759	145.17
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	7.9462	-.00171	9.9820	.38916	.07550
Stddev	.0110	.00083	.0113	.00047	.00994
%RSD	.13898	48.801	.11320	.11986	13.168
#1	7.9346	-.00267	9.9717	.38956	.07882
#2	7.9476	-.00128	9.9941	.38865	.06433
#3	7.9565	-.00117	9.9803	.38928	.08336
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005

Sample Name: L051026104 Run Time: 10/17/05 19:06

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.01064	-.00523	4.9571	.03184	2.5083
Stddev	.00362	.00553	.0289	.00118	.0108
%RSD	33.962	105.83	.58310	3.7179	.43136
#1	-.00858	-.00277	4.9345	.03222	2.5200
#2	-.00854	-.01156	4.9472	.03279	2.4988
#3	-.01482	-.00135	4.9897	.03052	2.5061
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	13.531	-.00757	1.1562	.77080
Stddev	.036	.00305	.0012	.00331
%RSD	.26653	40.308	.10429	.42882
#1	13.560	-.01093	1.1550	.76762
#2	13.543	-.00497	1.1562	.77057
#3	13.491	-.00682	1.1574	.77422
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051026105 Operator: SLP
Comment:
Run Time: 10/17/05 19:12 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	381.67	.01965	.12013	.13270	1.6800
Stddev	2.84	.00115	.00364	.00310	.0084
%RSD	.74351	5.8361	3.0337	2.3339	.50264
#1	378.44	.01950	.12434	.13480	1.6704
#2	383.73	.01859	.11800	.13414	1.6836
#3	382.85	.02087	.11805	.12914	1.6861
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00784	220.33	.00298	.20581	.59635
Stddev	.00007	1.40	.00057	.00128	.00151
%RSD	.88224	.63726	19.308	.62380	.25238
#1	.00777	218.78	.00263	.20668	.59654
#2	.00784	220.70	.00364	.20641	.59775
#3	.00791	221.51	.00266	.20433	.59475
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.47544	449.57	15.485	.23506	155.79
Stddev	.00064	.96	.127	.00201	.83
%RSD	.13389	.21376	.82043	.85322	.53019
#1	.47541	448.51	15.457	.23499	155.13
#2	.47482	449.83	15.624	.23709	156.72
#3	.47609	450.38	15.374	.23308	155.53
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	7.6888	-.00132	10.493	.41379	.08000
Stddev	.0098	.00111	.107	.00158	.01156
%RSD	.12790	84.298	1.0179	.38252	14.451
#1	7.6860	-.00113	10.476	.41308	.08447
#2	7.6998	-.00031	10.607	.41269	.06687
#3	7.6807	-.00251	10.395	.41560	.08865
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005
Sheri L. Pokorny

Sample Name: L051026105 Run Time: 10/17/05 19:12

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.01084	.00518	5.7986	.03165	1.6206
Stddev	.00228	.00331	.0582	.00261	.0203
%RSD	21.075	63.788	1.0041	8.2315	1.2530
#1	-.01105	.00481	5.8604	.02881	1.5980
#2	-.01301	.00208	5.7906	.03222	1.6264
#3	-.00846	.00866	5.7448	.03393	1.6373
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	13.997	-.00939	1.3155	.82618
Stddev	.083	.00904	.0046	.00302
%RSD	.59587	96.265	.35218	.36545
#1	13.901	.00105	1.3105	.82779
#2	14.044	-.01459	1.3197	.82805
#3	14.047	-.01464	1.3162	.82269
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051026106 Operator: SLP
Comment:
Run Time: 10/17/05 19:18 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	474.46	.02429	.09597	.23189	4.7763
Stddev	1.34	.00051	.00156	.00156	.0217
%RSD	.28319	2.0878	1.6243	.67189	.45366
#1	475.44	.02414	.09732	.23061	4.8013
#2	472.93	.02485	.09634	.23363	4.7624
#3	475.01	.02387	.09427	.23144	4.7652
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00961	234.86	.01049	.24276	.61705
Stddev	.00001	1.20	.00028	.00032	.00092
%RSD	.13400	.50946	2.6873	.13173	.14932
#1	.00963	236.16	.01081	.24249	.61629
#2	.00960	233.81	.01039	.24267	.61679
#3	.00961	234.61	.01027	.24311	.61808
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.53541	483.09	13.752	.28628	165.52
Stddev	.00219	1.07	.029	.00017	.33
%RSD	.40820	.22158	.20816	.05768	.19766
#1	.53503	482.21	13.785	.28609	165.68
#2	.53344	482.77	13.732	.28633	165.74
#3	.53776	484.28	13.739	.28641	165.15
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	10.774	-.00220	7.3135	.43454	.10380
Stddev	.022	.00224	.0080	.00108	.00530
%RSD	.20433	101.71	.10977	.24964	5.1045
#1	10.750	-.00057	7.3143	.43358	.10877
#2	10.779	-.00476	7.3211	.43431	.10440
#3	10.793	-.00128	7.3051	.43571	.09822
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005

Sample Name: L051026106 Run Time: 10/17/05 19:18

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00781	.01031	4.4325	.03393	2.5261
Stddev	.00449	.01187	.0126	.00261	.0163
%RSD	57.542	115.19	.28418	7.6806	.64427
#1	-.00713	.01184	4.4179	.03677	2.5085
#2	-.01260	.02134	4.4398	.03165	2.5292
#3	-.00369	-.00226	4.4396	.03336	2.5406
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	12.031	-.01330	1.3675	.90943
Stddev	.027	.00962	.0024	.00337
%RSD	.22284	72.332	.17435	.37040
#1	12.058	-.01543	1.3689	.90556
#2	12.005	-.00279	1.3688	.91170
#3	12.030	-.02167	1.3647	.91104
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: L051026107 Operator: SLP
Comment:
Run Time: 10/17/05 19:24 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	472.49	.02540	.08566	.23148	4.4565
Stddev	1.09	.00162	.00790	.00169	.0108
%RSD	.23103	6.3905	9.2223	.73068	.24226
#1	471.24	.02460	.07833	.23308	4.4577
#2	472.99	.02432	.08464	.23165	4.4451
#3	473.25	.02726	.09403	.22971	4.4666
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	800.00	10.000	100.00	100.00	20.000
Low Limit	-.10000	-.01000	-.02000	-.10000	-.01000

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00934	223.27	.00865	.23945	.61918
Stddev	.00005	.55	.00073	.00073	.00203
%RSD	.58176	.24437	8.4566	.30611	.32722
#1	.00929	223.43	.00789	.23878	.61850
#2	.00940	222.66	.00872	.23932	.62146
#3	.00932	223.72	.00934	.24023	.61758
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	4.0000	1000.0	30.000	100.00	50.000
Low Limit	-.00050	-.10000	-.00200	-.00500	-.00500

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.0104	474.12	14.825	.28916	146.47
Stddev	.0057	1.65	.096	.00085	.28
%RSD	.56841	.34871	.64731	.29529	.19386
#1	1.0038	472.21	14.924	.28939	146.80
#2	1.0138	474.98	14.820	.28988	146.26
#3	1.0136	475.16	14.732	.28822	146.36
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	900.00	200.00	8.0000	1000.0
Low Limit	-.02000	-.02000	-.50000	-.10000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	10.636	-.00082	7.3911	.43225	.15440
Stddev	.012	.00124	.0257	.00106	.00215
%RSD	.11071	150.74	.34767	.24544	1.3905
#1	10.633	-.00218	7.4033	.43146	.15570
#2	10.649	-.00056	7.4085	.43183	.15559
#3	10.627	.00026	7.3616	.43346	.15193
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	20.000	30.000	150.00	100.00	200.00
Low Limit	-.01000	-.10000	-.50000	-.02000	-.02000

Approved: October 18, 2005

Sample Name: L051026107 Run Time: 10/17/05 19:24

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00194	.02320	4.4892	.03544	2.2542
Stddev	.00090	.01011	.0359	.00639	.0179
%RSD	46.654	43.583	.79958	18.033	.79387
#1	-.00229	.02152	4.5253	.04246	2.2344
#2	-.00091	.01403	4.4888	.02995	2.2693
#3	-.00262	.03405	4.4535	.03393	2.2590
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	50.000	20.000	50.000	30.000	30.000
Low Limit	-.02000	-.02000	-1.0000	-.10000	-.01000

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	10.940	-.01693	1.2866	.94445
Stddev	.019	.01605	.0067	.00270
%RSD	.17532	94.801	.52497	.28548
#1	10.925	-.03428	1.2914	.94633
#2	10.934	-.00261	1.2895	.94566
#3	10.962	-.01390	1.2789	.94136
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	25.000	20.000	100.00	40.000
Low Limit	-.01000	-.04000	-.01000	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: CCV Operator:
Comment:
Run Time: 10/17/05 19:30 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	10.164	.37377	.39760	9.2419	1.0290
Stddev	.023	.00258	.00366	.0155	.0026
%RSD	.22817	.69002	.92156	.16712	.24738
#1	10.137	.37080	.40108	9.2247	1.0262
#2	10.178	.37509	.39377	9.2546	1.0312
#3	10.177	.37543	.39793	9.2465	1.0296
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	.40000	.40000	10.000	1.0000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04750	9.7424	.05202	.20229	.47451
Stddev	.00019	.0249	.00087	.00045	.00095
%RSD	.39277	.25556	1.6693	.22349	.19964
#1	.04728	9.7194	.05280	.20230	.47552
#2	.04761	9.7390	.05217	.20274	.47364
#3	.04760	9.7688	.05108	.20184	.47438
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.05000	10.000	.05000	.20000	.50000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	.51099	4.0913	48.692	.96700	9.0923
Stddev	.00037	.0222	.368	.00904	.1024
%RSD	.07279	.54336	.75666	.93447	1.1261
#1	.51130	4.1169	48.630	.96826	8.9758
#2	.51109	4.0797	49.088	.97534	9.1330
#3	.51058	4.0772	48.359	.95740	9.1680
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	4.0000	50.000	1.0000	10.000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.48561	1.0162	47.997	.49651	.52057
Stddev	.00069	.0013	.410	.00150	.00866
%RSD	.14282	.13114	.85462	.30251	1.6638
#1	.48606	1.0175	47.924	.49818	.52952
#2	.48481	1.0161	48.439	.49608	.51996
#3	.48596	1.0149	47.629	.49527	.51222
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	1.0000	50.000	.50000	.50000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Approved: October 18, 2005
Sheri L. Pokorny

Sample Name: CCV Run Time: 10/17/05 19:30

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.1695	.40210	Q .00464	1.0260	1.0260
Stddev	.0053	.00611	.00279	.0026	.0071
%RSD	.45418	1.5192	60.075	.24998	.69024
#1	1.1716	.40660	.00754	1.0285	1.0330
#2	1.1734	.39515	.00439	1.0262	1.0261
#3	1.1634	.40455	.00198	1.0234	1.0189
Check ?	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	1.2000	.40000	5.0000	1.0000	1.0000
Range	10.000%	10.000%	10.000%	10.000%	10.000%

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	.96299	.46111	.92860	.92878
Stddev	.00405	.00227	.00515	.00131
%RSD	.42074	.49218	.55450	.14106
#1	.95885	.45867	.92276	.93009
#2	.96694	.46316	.93055	.92747
#3	.96319	.46148	.93248	.92879
Check ?	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.50000	1.0000	1.0000
Range	10.000%	10.000%	10.000%	10.000%

Approved: October 18, 2005

Sheri L. Blakgrove

Method: CLP3 Sample Name: CCB Operator:
Comment:
Run Time: 10/17/05 19:36 Type: Blank Mode: CONC Corr.Fact: 1.000000

Elem	Al3082	Ag3280	As1890	B_2496	Ba4554
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01507	.00074	-.00205	.00106	.00029
Stddev	.02859	.00131	.00422	.00151	.00011
%RSD	189.68	177.77	205.82	141.81	37.724
#1	.03883	.00199	-.00135	.00272	.00039
#2	-.01666	-.00062	-.00658	.00070	.00017
#3	.02305	.00084	.00178	-.00023	.00030
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.20000	.00500	.01000	.05000	.00250
Low Limit	-.20000	-.00500	-.01000	-.05000	-.00250

Elem	Be3130	Ca3736	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00007	-.00354	.00063	-.00078	-.00019
Stddev	.00003	.01137	.00011	.00037	.00021
%RSD	41.355	321.18	17.714	47.916	111.31
#1	.00005	.00573	.00065	-.00121	-.00024
#2	.00011	-.01622	.00072	-.00055	.00004
#3	.00006	-.00012	.00050	-.00058	-.00038
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00025	.05000	.00100	.00250	.00250
Low Limit	-.00025	-.05000	-.00100	-.00250	-.00250

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2779
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00252	.00121	.00509	-.00025	-.02906
Stddev	.00076	.00031	.01003	.00009	.02700
%RSD	30.260	25.503	196.93	34.546	92.905
#1	-.00328	.00085	.01335	-.00017	.00029
#2	-.00176	.00140	.00799	-.00034	-.05284
#3	-.00252	.00137	-.00607	-.00023	-.03462
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.01000	.02000	.25000	.05000	.10000
Low Limit	-.01000	-.02000	-.25000	-.05000	-.10000

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00000	.00020	.00813	-.00084	-.00101
Stddev	.00002	.00031	.00415	.00037	.00274
%RSD	25355.	149.64	51.051	44.229	270.65
#1	.00002	.00044	.01261	-.00092	-.00162
#2	.00001	.00032	.00736	-.00116	.00198
#3	-.00003	-.00014	.00442	-.00043	-.00340
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.00250	.05000	.10000	.01000	.01000
Low Limit	-.00250	-.05000	-.10000	-.01000	-.01000

Approved: October 18, 2005
Sheri L. Blakgard

Sample Name: CCB Run Time: 10/17/05 19:36

Elem	Sb2068	Se1960	Si2516	Sn1899	Sr2152
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01077	-.00905	-.00351	.00493	-.00055
Stddev	.00412	.00209	.00224	.00248	.00195
%RSD	38.276	23.086	63.827	50.307	356.15
#1	.01314	-.00696	-.00147	.00322	-.00257
#2	.00601	-.00906	-.00314	.00777	.00133
#3	.01316	-.01114	-.00591	.00379	-.00040
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.02000	.01000	.25000	.20000	.00500
Low Limit	-.02000	-.01000	-.25000	-.20000	-.00500

Elem	Ti3349	Tl1908	V_3102	Zn2138
Units	ppm	ppm	ppm	ppm
Avg	-.00022	-.00633	-.00237	.00010
Stddev	.00052	.00277	.00068	.00019
%RSD	234.98	43.728	28.820	192.11
#1	-.00058	-.00949	-.00314	-.00007
#2	.00037	-.00517	-.00183	.00031
#3	-.00045	-.00433	-.00215	.00006
Check ?	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.01500	.02000	.00728	.01000
Low Limit	-.01500	-.02000	-.00728	-.01000

Approved: October 18, 2005

Sheri L. Blakgrove

2.3.2 Metals CVAA Data (Mercury)

2.3.2.1 QC Summary

KEMRON ENVIRONMENTAL SERVICES
METALS

KEMRON Login No: L0510264

METHOD

Analysis: SW-846 7471A

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibrations: All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibration: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Serial Dilution/Post Digestion Spike: WG198754(7471A) - All acceptance criteria were met.

SAMPLES

All acceptance criteria were met.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: CRC

Approved: 18-OCT-05
Maren Berry

KEMRON Environmental Services
Data Checklist

Date: 17-OCT-2005
Analyst: CRC
Analyst: NA
Method: 7471A
Instrument: HYDRA
Curve Workgroup: 198775
Analytical Workgroups: 198754

Run Log ID:	7240
Calibration/Linearity	X
ICV/CCV	X
ICB/CCB	X
ICSA/ICSAB	
CRI	
Blank/LCS	X
MS/MSD	X
Post Spike/Serial Dilution	X
Upload Results	X
Data Qualifiers	
Generate PDF Instrument Data	X
Sign/Annotate PDF Data	X
Upload Curve Data	
Workgroup Forms	X
Case Narrative	10-259,261,264
Client Forms	X
Level X	
Level 3	
Level 4	10-259,261,264
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Primary Reviewer	CRC
Secondary Reviewer	LSB
Comments	

Primary Reviewer:
17-OCT-2005
Carla R. Cochran

Secondary Reviewer:
17-OCT-2005
Leslie Bucisa

Generated: OCT-17-2005 15:30:47

Example Cold Vapor Mercury Calculations
Hydra AA Mercury Analyzer
1.0 Initial Calibration (ICAL) Parameters
The system performs linear regression from data consisting of a blank and five standards.
2.0 Calculating the concentration (C) of an element in water using data from run log and quantitation report (note:the data system performs this calculation automatically when correction factors have been entered):

$$Cx = Cs \times \frac{Vf}{Vi} \times D$$

Where:	**Example:**	
Cs = Concentration computed by the data system (ug/L)	0.1	
Vf = Diluted to Volume (mL)	50	
Vi = Aliquot Volume (mL)	40	
D = Manual dilution factor, if required (10X = 10)	1	
Cx = Concentration of element in ppb (ug/L)	0.125	

3.0 Calculating the concentration (C) of an element in soil using data from prep log and quantitation report (note: the data system performs this calculation automatically when correction factors have been entered):

$$Cx = Cs \times \frac{Vf}{Ws} \times D$$

Where:	**Example:**
Cs = Concentration computed by the data system (ug/L)	0.1
Vf = Diluted to volume (mL)	50
Ws = Aliquot weight (g)	0.5
D = Manual dilution factor	1
Cx = Concentration of element in ug/kg	10

4.0 Adjusting the concentration to dry weight:

$$Cdry = \frac{Cx \times 100}{Px}$$

Where:	**Example:**	
Cx = Concentration calculated as received (wet basis)	10	
Px = Percent solids of sample (%wt)	80	**12.5**
$Cdry$ = Dry weight of sample (ug/kg)	12.5	

ug/kg = 0.0125 mg/kg

Mercury Digestion Log

Analyst(s): RLP
Date: 10/14/05 @ 12:30
LCS: 5ml DSS0086-16
MS/MSD: 5ml DSS0086-16
Witness: 12 VC
H_2SO_4 Lot #: N/A
$K2S_2O_8$ Lot #: N/A
$KMNO_4$ Lot #: RGT10020
HNO_3 Lot #: N/A
Aqua Regia: DR0008-44
Earliest Sample Due Date: 10/19/05
ICV / CCV: DSS0086-20
Stds: 0, 0.2, 1, 2, 5, 10: DSS0086-21

Box: A6

Digestion Work Group: WG 198680

ME404 Revision # ____ - Method 7470A-Water
ME405 Revision # 7 - Method 7471A-Soil

Hot Block Temperature at start: 95.4°C
Hot Block Temperature at end: 96.1°C

Relinquished By: RLP
Digest Received By: DLP Date: 10/14/05

	KEMRON #	Initial Wt/Vol	Final Volume	Comments	Due Date
1	MBS	0.65	40ml	-02	
2	LCSS			-03	
3	10-259-03			Lowl4	10/20
4	10-261-01			-01	10/24
5	-01MS			-04	
6	-01MSD			-05	
7	-02				
8	-03	0.61			
9	-04	0.60			
10	-05	0.62			
11	-06				
12	-07	0.67			
13	10-264-01	0.65			10/19
14	-02	0.60			
15	-03				
16	-04	0.62			
17					
18					
19					
20					
21					
22		10/14/05			
23	RLP				
24					
25					

Comments:

Primary Review: [signature] 10/14/05 Secondary Review: [signature] 10/14/05

Instrument: HYDRA Dataset: 101705B.PRN
Analyst 1: CRC Analyst 2: NA
Method: 7471A SOP: 405 Rev: 7

Calibration Std: DSS0086-21 ICV/CCV Std: DSS0086-20 Post Spike: DSS0086-21
ICSA: NA ICSAB: NA

Workgroups: 198754

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
1.	HY.101705.113355	WG198775-01	Standard		1		10/17/05 11:33
2.	HY.101705.113557	WG198775-02	Standard		1		10/17/05 11:35
3.	HY.101705.113739	WG198775-03	Standard		1		10/17/05 11:37
4.	HY.101705.113921	WG198775-04	Standard		1		10/17/05 11:39
5.	HY.101705.114059	WG198775-05	Standard		1		10/17/05 11:40
6.	HY.101705.114237	WG198775-06	Standard		1		10/17/05 11:42
7.	HY.101705.114631	WG198775-07	Initial Cal Verify		1		10/17/05 11:46
8.	HY.101705.114821	WG198775-08	Initial Cal Blank		1		10/17/05 11:48
9.	HY.101705.115048	WG198775-09	Continuing Cal Verif		1		10/17/05 11:50
10.	HY.101705.115232	WG198775-10	Continuing Cal Blank		1		10/17/05 11:52
11.	HY.101705.115419	WG198680-02	Method/Prep Blank	.6/40	1		10/17/05 11:54
12.	HY.101705.115605	WG198680-03	Laboratory Control S	.6/40	1		10/17/05 11:56
13.	HY.101705.115747	L0510264-01	41-BG1-S-1012-05	.65/40	1		10/17/05 11:57
14.	HY.101705.115944	WG198754-03	Post Digestion Spike		1	L0510264-01	10/17/05 11:59
15.	HY.101705.120127	L0510264-02	41-BG2-S-1012-05	.6/40	1		10/17/05 12:01
16.	HY.101705.120317	L0510264-03	41-BF2-S-1012-05	.6/40	1		10/17/05 12:03
17.	HY.101705.120457	L0510264-04	41-TS2-S-1012-05	.62/40	1		10/17/05 12:04
18.	HY.101705.120634	WG198775-11	Continuing Cal Verif		1		10/17/05 12:06
19.	HY.101705.120832	WG198775-12	Continuing Cal Blank		1		10/17/05 12:08
20.	HY.101705.121102	L0510259-03	AV-NCB-SS-I45-G-2-3-	.6/40	1		10/17/05 12:11
21.	HY.101705.121319	WG198754-01	Post Digestion Spike		1	L0510259-03	10/17/05 12:13
22.	HY.101705.121459	WG198680-01	Reference Sample		1	L0510261-01	10/17/05 12:14
23.	HY.101705.121636	WG198680-04	Matrix Spike	.6/40	1		10/17/05 12:16
24.	HY.101705.121825	WG198680-05	Matrix Spike Duplica	.6/40	1		10/17/05 12:18
25.	HY.101705.122018	L0510261-02	CAARNG 002ESW	.6/40	1		10/17/05 12:20
26.	HY.101705.122155	WG198775-13	Continuing Cal Verif		1		10/17/05 12:21
27.	HY.101705.122436	WG198775-14	Continuing Cal Blank		1		10/17/05 12:24
28.	HY.101705.122628	WG198754-02	Post Digestion Spike		1	L0510261-02	10/17/05 12:26
29.	HY.101705.122816	L0510261-03	CAARNG 003SSW	.61/40	1		10/17/05 12:28
30.	HY.101705.123045	L0510261-04	CAARNG 004WB	.6/40	1		10/17/05 12:30
31.	HY.101705.123311	L0510261-05	CAARNG 005EB	.62/40	1		10/17/05 12:33
32.	HY.101705.123459	L0510261-06	CAARNG 006B	.62/40	1		10/17/05 12:34
33.	HY.101705.123640	L0510261-07	CAARNG 007B	.67/40	1		10/17/05 12:36
34.	HY.101705.123819	WG198775-15	Continuing Cal Verif		1		10/17/05 12:38
35.	HY.101705.123957	WG198775-16	Continuing Cal Blank		1		10/17/05 12:39

Approved: October 17, 2005

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

Analytical Method: 7471A AAB#: WG198754

Login Number: L0510264

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
41-BG1-S-1012-05	10/12/05	10/13/05	10/14/05	28	1.96	10/17/05	28	2.98	
41-BG2-S-1012-05	10/12/05	10/13/05	10/14/05	28	1.95	10/17/05	28	2.98	
41-BF2-S-1012-05	10/12/05	10/13/05	10/14/05	28	1.88	10/17/05	28	2.98	
41-TS2-S-1012-05	10/12/05	10/13/05	10/14/05	28	1.87	10/17/05	28	2.98	

* EXT = SEE PROJECT QAPP REQUIREMENTS
*ANAL = SEE PROJECT QAPP REQUIREMENTS

KEMRON FORMS - Modified 11/05/2004
Version 1.5 PDF File ID: 336792
Report generated 10/17/2005 12:56

KEMRON Environmental Services

METHOD BLANK SUMMARY

Login Number: L0510264
Blank File ID: HY.101705.115419
Date Analyzed: 10/17/05
Time Analyzed: 11:54
Analyst: CRC

Work Group: WG198754
Blank Sample ID: WG198680-02
Instrument ID: HYDRA
Method: 7471A

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG198680-03	HY.101705.115605	10/17/05 11:56	01
41-BG1-S-1012-05	L0510264-01	HY.101705.115747	10/17/05 11:57	01
41-BG2-S-1012-05	L0510264-02	HY.101705.120127	10/17/05 12:01	01
41-BF2-S-1012-05	L0510264-03	HY.101705.120317	10/17/05 12:03	01
41-TS2-S-1012-05	L0510264-04	HY.101705.120457	10/17/05 12:04	01

KEMRON Environmental Services

METHOD BLANK REPORT

Login Number: L0510264 Run Date: 10/17/2005 Sample ID: WG198680-02
Instrument ID: HYDRA Run Time: 11:54 Prep Method: METHOD
File ID: HY.101705.115419 Analyst: CRC Method: 7471A
Workgroup (AAB#): WG198754 Matrix: Soil Units: mg/kg
Contract #: Cal ID: HYDRA-17-OCT-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Mercury	0.0100	0.250	0.0100	1	U

KEMRON FORMS - Modified 05/17/2005
Version 1.5 PDF File ID: 336794
Report generated 10/17/2005 12:56

KEMRON Environmental Services

LABORATORY CONTROL SAMPLE

Login Number: L0510264 Run Date: 10/17/2005 Sample ID: WG198680-03
Instrument ID: HYDRA Run Time: 11:56 Prep Method: METHOD
File ID: HY.101705.115605 Analyst: CRC Method: 7471A
Workgroup (AAB#): WG198754 Matrix: Soil Units: mg/kg
Contract #: Cal ID: HYDRA-17-OCT-05

Analytes	Expected	Found	% Rec	LCS Limits	Q
Mercury	0.267	0.247	92.8	80 - 120	

KEMRON FORMS - Modified 09/09/2005
Version 1.5 PDF File ID: 336795
Report generated 10/17/2005 12:56

KEMRON Environmental Services

MS/MSD REPORT

Loginnum: L0510264 Cal ID: HYDRA- Worknum: WG198754
Instrument ID: HYDRA Contract #: Method: 7471A
Parent ID: WG198680-01 File ID: HY.101705.121459 Dil: 1 Matrix: SOLID
Sample ID: WG198680-04 MS File ID: HY.101705.121636 Dil: 1 Units: mg/kg
Sample ID: WG198680-05 MSD File ID: HY.101705.121825 Dil: 1 Percent Solid: 100

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Mercury, Total	ND	0.267	0.268	101	0.267	0.276	104	2.94	75 - 125	25	

* FAILS %REC LIMIT

FAILS RPD LIMIT

KEMRON FORMS - Modified 03/21/2005
Version 1.5 PDF File ID: 336796
Report generated 10/17/2005 12:56

KEMRON ENVIRONMENTAL SERVICES
POST SPIKE REPORT

Sample Login ID: L0510264 Worknum: WG198754
Instrument ID: HYDRA Method: 7471A
Post Spike ID: WG198754-03 File ID: HY.101705.115944 Dil: 1 Units: ug/l
Sample ID: L0510264-01 File ID: HY.101705.115747 Dil: 1 Matrix: Soil

Analyte	Control Limit %R	Post Spike Result	C	Sample Result	C	Spike Added(SA)	% R	Q
Mercury, Total	85 - 115	1.32		0.434	F	1.0	92.9	

N = % Recoverv exceeds control limits of 85% - 115%
F = Result is between MDL and RL
U = Sample result is below MDL. A value of zero is used in the calculation.

KEMRON FORMS - Modified 09/21/2005
Version 1.3 PDF File ID: 336791
Report generated 10/17/2005 12:56

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264 Instrument ID: HYDRA

Analytical Method: 7471A Initial Calibration Date: 10/17/2005 11:42

Analyte	WG198775-01		WG198775-02		WG198775-03		WG198775-04		WG198775-05		WG198775-06	
	STD	INT	STD	INT	STD	INT	STD	INT	STD	INT	STD	INT
Mercury	0	7660	0.200	18528	1.00	67417	2.00	120345	5.00	293680	10.0	554656

INT = Instrument intensity
R = Coefficient of correlation
Q = Data Qualifier
* = Out of Compliance; R < 0.995

KEMRON FORMS - Modified 06/09/2005
Version 1.5 PDF File ID: 336797
Report generated 10/17/2005 12:56

KEMRON Environmental Services

INITIAL CALIBRATION

Login Number: L0510264

Instrument ID: HYDRA

Analytical Method: 7471A

Initial Calibration Date: 10/17/2005 11:42

Analyte	R	Q
Mercury	0.9997	

INT = Instrument intensity
R = Coefficient of correlation
Q = Data Qualifier
* = Out of Compliance; R < 0.995

KEMRON FORMS - Modified 06/09/2005
Version 1.5 PDF File ID: 336797
Report generated 10/17/2005 12:56

KEMRON Environmental Services

INITIAL CALIBRATION BLANK REPORT

Login Number: L0510264 Run Date: 10/17/2005 Sample ID: WG198775-08
Instrument ID: HYDRA Run Time: 11:48 Method: 7471A
File ID: HY.101705.114821 Analyst: CRC Units: ug/L
Workgroup (AAB#): WG198754 Cal ID: HYDRA - 17-OCT-05

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Mercury	0.150	3.75	-.095	1	U

U = Result is less than MDL
F = Result is between MDL and RL

KEMRON FORMS - Modified 04/04/2005
Version 1.5 PDF File ID: 336799
Report generated 10/17/2005 12:56

KEMRON Environmental Services

CONTINUING CALIBRATION BLANK REPORT

Login Number: L0510264 Run Date: 10/17/2005 Sample ID: WG198775-10
Instrument ID: HYDRA Run Time: 11:52 Method: 7471A
File ID: HY.101705.115232 Analyst: CRC Units: ug/L
Workgroup (AAB#): WG198754 Cal ID: HYDRA - 17-OCT-05

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Mercury	0.150	3.75	-.093	1	U

U = Result is less than MDL
F = Result is between MDL and RL

KEMRON FORMS - Modified 04/04/2005
Version 1.5 PDF File ID: 336801
Report generated 10/17/2005 12:56

KEMRON Environmental Services

CONTINUING CALIBRATION BLANK REPORT

Login Number: L0510264 Run Date: 10/17/2005 Sample ID: WG198775-12
Instrument ID: HYDRA Run Time: 12:08 Method: 7471A
File ID: HY.101705.120832 Analyst: CRC Units: ug/L
Workgroup (AAB#): WG198754 Cal ID: HYDRA - 17-OCT-05

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Mercury	0.150	3.75	-.016	1	U

U = Result is less than MDL
F = Result is between MDL and RL

KEMRON FORMS - Modified 04/04/2005
Version 1.5 PDF File ID: 336801
Report generated 10/17/2005 12:56

KEMRON Environmental Services

CONTINUING CALIBRATION BLANK REPORT

Login Number: L0510264 Run Date: 10/17/2005 Sample ID: WG198775-14
Instrument ID: HYDRA Run Time: 12:24 Method: 7471A
File ID: HY.101705.122436 Analyst: CRC Units: ug/L
Workgroup (AAB#): WG198754 Cal ID: HYDRA - 17-OCT-05

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Mercury	0.150	3.75	-.002	1	U

U = Result is less than MDL
F = Result is between MDL and RL

KEMRON FORMS - Modified 04/04/2005
Version 1.5 PDF File ID: 336801
Report generated 10/17/2005 12:56

KEMRON Environmental Services

CONTINUING CALIBRATION BLANK REPORT

Login Number: L0510264 Run Date: 10/17/2005 Sample ID: WG198775-16
Instrument ID: HYDRA Run Time: 12:39 Method: 7471A
File ID: HY.101705.123957 Analyst: CRC Units: ug/L
Workgroup (AAB#): WG198754 Cal ID: HYDRA - 17-OCT-05

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Mercury	0.150	3.75	-.019	1	U

U = Result is less than MDL
F = Result is between MDL and RL

KEMRON FORMS - Modified 04/04/2005
Version 1.5 PDF File ID: 336801
Report generated 10/17/2005 12:56

KEMRON Environmental Services

INITIAL CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/17/2005 Sample ID: WG198775-07
Instrument ID: HYDRA Run Time: 11:46 Method: 7471A
File ID: HY.101705.114631 Analyst: CRC Units: ug/L
Workgroup (AAB#): WG198754 Cal ID: HYDRA - 17-OCT-05

Analyte		Expected	Found	%REC	LIMITS	Q
Mercury		2	1.93	96.5	90 - 110	

* Exceeds LIMITS Limit

KEMRON FORMS - Modified 03/31/2005
Version 1.3 PDF File ID: 336798
Report generated 10/17/2005 12:56

KEMRON Environmental Services

CONTINUING CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/17/2005 Sample ID: WG198775-09
Instrument ID: HYDRA Run Time: 11:50 Method: 7471A
File ID: HY.101705.115048 Analyst: CRC
Workgroup (AAB#): WG198754 Cal ID: HYDRA - 17-OCT-05

Analyte		Expected	Found	%REC	LIMITS	UNITS	Q
Mercury		2	1.90	95.0	80 - 120	ug/L	

* Exceeds LIMITS Limit

KEMRON FORMS - Modified 03/21/2005
Version 1.3 PDF File ID: 336800
Report generated 10/17/2005 12:56

KEMRON Environmental Services

CONTINUING CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/17/2005 Sample ID: WG198775-11
Instrument ID: HYDRA Run Time: 12:06 Method: 7471A
File ID: HY.101705.120634 Analyst: CRC
Workgroup (AAB#): WG198754 Cal ID: HYDRA - 17-OCT-05

Analyte		Expected	Found	%REC	LIMITS	UNITS	Q
Mercury		2	2.05	103	80 - 120	ug/L	

* Exceeds LIMITS Limit

KEMRON FORMS - Modified 03/21/2005
Version 1.3 PDF File ID: 336800
Report generated 10/17/2005 12:56

KEMRON Environmental Services

CONTINUING CALIBRATION REPORT

Login Number: L0510264 Run Date: 10/17/2005 Sample ID: WG198775-13
Instrument ID: HYDRA Run Time: 12:21 Method: 7471A
File ID: HY.101705.122155 Analyst: CRC
Workgroup (AAB#): WG198754 Cal ID: HYDRA - 17-OCT-05

Analyte		Expected	Found	%REC	LIMITS	UNITS	Q
Mercury		2	2.09	105	80 - 120	ug/L	

* Exceeds LIMITS Limit

KEMRON FORMS - Modified 03/21/2005
Version 1.3 PDF File ID: 336800
Report generated 10/17/2005 12:56

KEMRON Environmental Services

CONTINUING CALIBRATION REPORT

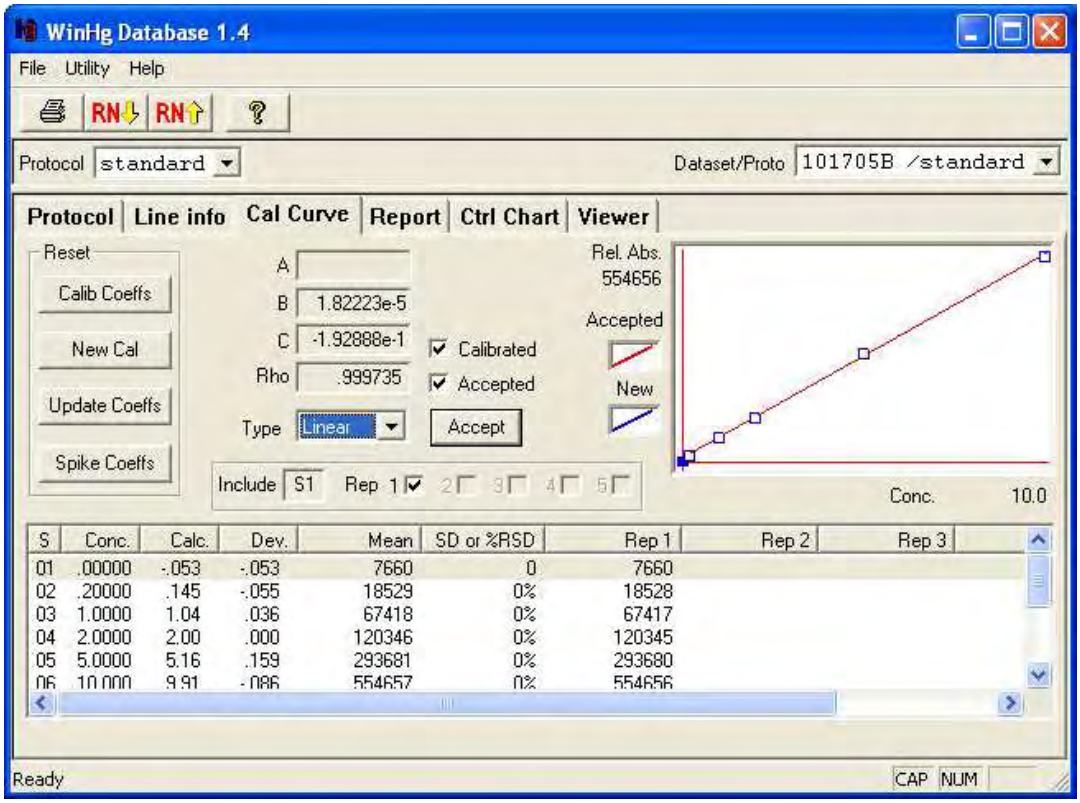
Login Number: L0510264 Run Date: 10/17/2005 Sample ID: WG198775-15
Instrument ID: HYDRA Run Time: 12:38 Method: 7471A
File ID: HY.101705.123819 Analyst: CRC
Workgroup (AAB#): WG198754 Cal ID: HYDRA - 17-OCT-05

Analyte		Expected	Found	%REC	LIMITS	UNITS	Q
Mercury		2	2.11	106	80 - 120	ug/L	

* Exceeds LIMITS Limit

KEMRON FORMS - Modified 03/21/2005
Version 1.3 PDF File ID: 336800
Report generated 10/17/2005 12:56

2.3.2.2 Raw Data



Approved: October 17, 2005

Carla R. Cochran

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
--------------------------------------------------------------------------------

*** Standard: 1 Rep: 1              Seq:  1       11:33:55 17 Oct 05   HG

Hg    .000    ppb      7660

*** Standard: 2 Rep: 1              Seq:  2       11:35:57 17 Oct 05   HG

Hg    .200    ppb      18528

*** Standard: 3 Rep: 1              Seq:  3       11:37:39 17 Oct 05   HG

Hg    1.00    ppb      67417

*** Standard: 4 Rep: 1              Seq:  4       11:39:21 17 Oct 05   HG

Hg    2.00    ppb      120345

*** Standard: 5 Rep: 1              Seq:  5       11:40:59 17 Oct 05   HG

Hg    5.00    ppb      293680

*** Standard: 6 Rep: 1              Seq:  6       11:42:37 17 Oct 05   HG

Hg    10.0    ppb      554656

*** Check Standard: 2  Ck2ICV       Seq:  7       11:46:31 17 Oct 05   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          96.6     1.93    2.00   ppb        .000

*** Check Standard: 3  Ck3ICB       Seq:  8       11:48:21 17 Oct 05   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg         -47.5    -.095    .200   ppb        .000

*** Check Standard: 4  Ck4CCV       Seq:  9       11:50:48 17 Oct 05   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          94.8     1.90    2.00   ppb        .000

*** Check Standard: 5  Ck5CCB       Seq:  10      11:52:32 17 Oct 05   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg         -46.4    -.093    .200   ppb        .000

*** Sample ID: WG19868002            Seq:  11      11:54:19 17 Oct 05   HG
                            PBS A6
Hg    .018    ppb       .000      .018

*** Sample ID: WG19868003            Seq:  12      11:56:05 17 Oct 05   HG
                            LCSS A6
Hg    3.71    ppb       .000      3.71
```

Approved: October 17, 2005
Carla R. Cochran

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
--------------------------------------------------------------------------------

*** Sample ID: L051026401            Seq:  13     11:57:47 17 Oct 05   HG

Hg    .434    ppb       .000      .434

*** Sample ID: WG19875403            Seq:  14     11:59:44 17 Oct 05   HG
                            01 PS 0.9
Hg    1.32    ppb       .000      1.32

*** Sample ID: L051026402            Seq:  15     12:01:27 17 Oct 05   HG

Hg    .253    ppb       .000      .253

*** Sample ID: L051026403            Seq:  16     12:03:17 17 Oct 05   HG

Hg    .074    ppb       .000      .074

*** Sample ID: L051026404            Seq:  17     12:04:57 17 Oct 05   HG

Hg    .002    ppb       .000      .002

*** Check Standard: 4  Ck4CCV        Seq:  18     12:06:34 17 Oct 05   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          102.     2.05    2.00   ppb        .000

*** Check Standard: 5  Ck5CCB        Seq:  19     12:08:32 17 Oct 05   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg         -8.25    -.016    .200   ppb        .000

*** Sample ID: L051025903            Seq:  20     12:11:02 17 Oct 05   HG

Hg    .879    ppb       .000      .879

*** Sample ID: WG19875401            Seq:  21     12:13:19 17 Oct 05   HG
                            03 PS 0.9
Hg    1.75    ppb       .000      1.75

*** Sample ID: WG19868001            Seq:  22     12:14:59 17 Oct 05   HG
                            L051026101
Hg    .058    ppb       .000      .058

*** Sample ID: WG19868004            Seq:  23     12:16:36 17 Oct 05   HG
                            01 MS
Hg    4.02    ppb       .000      4.02

*** Sample ID: WG19868005            Seq:  24     12:18:25 17 Oct 05   HG
                            01 MSD
Hg    4.14    ppb       .000      4.14
```

Approved: October 17, 2005
Carla R. Cochran

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
--------------------------------------------------------------------------------

*** Sample ID: L051026102            Seq:  25     12:20:18 17 Oct 05   HG

Hg    .261    ppb       .000      .261

*** Check Standard: 4  Ck4CCV       Seq:  26      12:21:55 17 Oct 05   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          105.     2.09    2.00   ppb        .000

*** Check Standard: 5  Ck5CCB       Seq:  27      12:24:36 17 Oct 05   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg         -.849    -.002    .200   ppb        .000

*** Sample ID: WG19875402            Seq:  28     12:26:28 17 Oct 05   HG
                            02 PS 0.9
Hg    1.15    ppb       .000      1.15

*** Sample ID: L051026103            Seq:  29     12:28:16 17 Oct 05   HG

Hg    .099    ppb       .000      .099

*** Sample ID: L051026104            Seq:  30     12:30:45 17 Oct 05   HG

Hg    .190    ppb       .000      .190

*** Sample ID: L051026105            Seq:  31     12:33:11 17 Oct 05   HG

Hg    .171    ppb       .000      .171

*** Sample ID: L051026106            Seq:  32     12:34:59 17 Oct 05   HG

Hg    .265    ppb       .000      .265

*** Sample ID: L051026107            Seq:  33     12:36:40 17 Oct 05   HG

Hg    .317    ppb       .000      .317

*** Check Standard: 4  Ck4CCV       Seq:  34      12:38:19 17 Oct 05   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          106.     2.11    2.00   ppb        .000

*** Check Standard: 5  Ck5CCB       Seq:  35      12:39:57 17 Oct 05   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg         -9.59    -.019    .200   ppb        .000
```

Approved: October 17, 2005
Carla R. Cochran

2.4 General Chemistry Data

KEMRON ENVIRONMENTAL SERVICES
GENERAL CHEMISTRY

KEMRON Login No.: L0510264

METHOD

Analysis: See report for method reference.

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Duplicates: All acceptance criteria were met.

Matrix Spikes: All acceptance criteria were met.

SAMPLES

There were no technical difficulties with the sample group.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: DIH

Approved: 18-OCT-05

GENERAL CHEMISTRY DATA

Login Number: L0510264

Analyte: pH

QC Summary

✓ Narrative
_____ Checklist
_____ Preparation Log (if applicable)
_____ Holding Time Summary
_____ Method Blank Summary
_____ Laboratory Control Sample (LCS)
_____ Matrix Spike / Matrix Spike Duplicate (MS/MSD)
_____ Duplicate Summary
_____ Initial Calibration Summary
_____ Initial Calibration Verification / Continuing Calibration Verification (ICV/CCV)

Raw QC Data

✓ Analysis benchsheet
_____ Calculation spreadsheet
_____ Example calculations

Checked By: dlh **Date:** 10/18/05

B. RAW DATA

Wet Lab

Parameter: pH
Analyst/Date/Time: DR 10/14/05 @ 1520
SOP: K-1501 Revision: 10
Work Group(s): 198771
Preservation Check: Yes ____ No ✓

	Analyst	
Calibration/Linearity	✓	Date: 10/14/05
Second Source Check		
ICV/CCV (std)		
ICB/CCB		
Blank		
LCS/LCS Dup	✓	
MS/MSD		
Duplicate	✓	
Record On ACS Benchsheet		
Data Upload		
QC Form(s)		
QC Violation Sheet		
Signed Raw Data	✓	
STD/LCS On Benchsheet	✓	

Primary Reviewer Initials & Date Checked DR 10/17/05

Secondary Reviewer Initials & Date Checked dch 10/17/05

- ✓ • Check for compliance with Method and project-specific requirements
- ✓ • Check the completeness of the reported information
- ✓ • Check the information for the report narrative
- ✓ • Check the reasonableness of results

Comments: _____

√- Checked & OK
NA - Not Applicable
DL - Diluted Out

Scanned_____

Sample	Calibration buffers	Water Misc. Liquid	50 % Slurry Of Solid	50% Water Org.Liq. Mix
LCS 6 CS-05-10-08	7,4,10	5.991		
10-290-01		7.151		
10-268-01		7.343		
02		6.965		
10-295-01		6.970		
10-264-01			4.743	
02			4.494	
03			4.272	
04			4.708	
DUP 290-01		7.153		
LCS 9 CS-05-17-07		8.998		

EPA 150.1
SW846 9040B/9045C

SOP K1501 Rev 10

ADT OR 10/14/05 @1520

WORKGROUP 198771

APPROVAL dch 10/17/05

~~Circle Instrument~~
Orion 710A #1
Orion 710A #2
Sargent - Welch

Sample	Calibration buffers	Water Misc. Liquid	50 % Slurry Of Solid	50% Water Org.Liq. Mix
LCS 6				
DUP				
LCS 9				

EPA 150.1
SW846 9040B/9045C

SOP K1501 Rev

ADT

WORKGROUP

APPROVAL

Circle Instrument
Orion 710A #1
Orion 710A #2
Sargent - Welch

Reviewed by: _____

PERCENT SOLIDS DATA

Login Number: L0510264

✓ Analysis benchsheet

✓ Calculation spreadsheet

Example calculation:

[(WT3-WT1)/(WT2-WT1)] * 100 = % solids

100-(% solids) = moisture

where: WT1 = weight (grams) of empty container
WT2 - weight (grams) of container and wet sample
100 = factor to get units as percent weight

Checked By: dlh Date: 10/18/05

PERCENT SOLIDS

Workgroup: 198707 ADT (on): Tmm 10/14/05 @1600
SOP K0003 Rev: 9 ADT (off): Tmm 10/17/05 @1040 Approval: dm 10/17/05

Sample	Empty Pan WT 1	WET WT 2	DRY WT 3A	WET WT 3B	DRY WT 3C
10-309-03	1.28	22.89	19.75		
04	1.28	32.92	28.88		
07	1.27	30.21	25.89		
08	1.26	28.25	23.96		
09	1.28	23.79	20.13		
13,14,15	1.26	40.25	35.09		
16	1.26	26.43	22.73		
17	1.27	35.30	30.16		
10-264-01	1.26	20.57	13.97		
02	1.29	21.21	15.45		
03	1.27	22.71	20.84		
04	1.28	23.95	20.53		
10-292-01	1.27	25.76	22.62		
Duplicate 10-309-17	1.26	26.42	22.38		

Workgroup: _____ ADT (on): _____
SOP K0003 Rev: _____ ADT (off): _____ Approval: _____

Sample	Empty Pan WT 1	WET WT 2	DRY WT 3A	WET WT 3B	DRY WT 3C
Duplicate					

KEMRON ENVIRONMENTAL SERVICES
PERCENT SOLID REPORT

Workgroup (AAB#): WG198707
Method: D2216-90

Run Date: 10/14/2005
Run Time: 16:00
Analyst: TMM

SAMPLE NUMBER	Pan WT.	Int WT.	Fnl WT.	% Solid	% Moist	UNITS
L0510264-01	1.260	20.57	13.97	65.82		%
L0510264-02	1.290	21.21	15.45	71.08		%
L0510264-03	1.270	22.71	20.84	91.28		%
L0510264-04	1.280	23.95	20.53	84.91		%
L0510292-01	1.270	25.76	22.62	87.18		%
L0510309-03	1.280	22.89	19.75	85.47		%
L0510309-04	1.280	32.92	28.88	87.23		%
L0510309-07	1.270	30.21	25.89	85.07		%
L0510309-08	1.260	28.25	23.96	84.11		%
L0510309-09	1.280	23.79	20.13	83.74		%
L0510309-13	1.260	40.25	35.09	86.77		%
L0510309-14	1.260	40.25	35.09	86.77		%
L0510309-15	1.260	40.25	35.09	86.77		%
L0510309-16	1.260	26.43	22.73	85.30		%
L0510309-17	1.270	35.30	30.16	84.90		%
WG198707-01	1.270	35.30	30.16	84.90	15.10	%
WG198707-02	1.260	26.42	22.38	83.94	16.06	%

:MRON FORMS - Modified 08/27/2004
:rsion 1.2
:port generated 10/17/2005 10:43