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REMEDIAL ACTION CONTRACT (RAC)
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FINAL COMPLETION REPORT
FOR
SOIL EXCAVATION
AT
TORPEDO SHOPS, OPERABLE UNIT 8 – SITE 7
NAVAL SUBMARINE BASE NEW LONDON
GROTON, CONNECTICUT

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ACRONYMS AND ABBREVIATIONS

BGOURI	Basewide Groundwater Operable Unit Remedial Investigation
BGS	Below Ground Surface
CERCLA	Comprehensive Environmental, Response, Compensation and Liability Act
CFR	Code of Federal Regulations
COC	Contaminants of Concern
CTDEP	Connecticut Department of Environmental Protection
CTO	Contract Task Order
ESS	Environmental and Safety Supervisor
FS	Feasibility Study
mL	Milliliters
NSB-NLON	Naval Submarine Base New London
OSHA	Occupational Safety and Health Administration
OU	Operable Unit
PAH	Polynuclear Aromatic Hydrocarbon
PCB	Polychlorinated Biphenyls
PID	Photoionization Detector
POTW	Publicly Owned Treatment Works
PPE	Personal Protective Equipment
PPM	Parts per Million
QA/QC	Quality Assurance/Quality Control
RAC	Remedial Action Contract
RCRA	Resource Conservation and Recovery Act
RI	Remedial Investigation
ROICC	Resident Officer in Charge of Construction
SVOC	Semi-Volatile Organic Compound
TCLP	Toxicity Characteristics Leaching Procedure
TOC	Total Organic Carbon
TPH	Total Petroleum Hydrocarbons
TtEC	Tetra Tech EC, Inc.
TtNUS	Tetra Tech NUS, Inc.
USACE	United States of Army Corps of Engineers
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound

1.0 INTRODUCTION

Tetra Tech EC, Inc. (TtEC) has been contracted by the Department of the Navy, Naval Facility Engineering Command Atlantic to perform Soil Excavation at Torpedo Shops (Operable Unit [OU] 8 – Site 7) of the Naval Submarine Base New London (NSB-NLON) in Groton, Connecticut. This Final Completion Report has been prepared to satisfy the requirements of the Remedial Action Contract (RAC) Number N62472-99-D-0032, Contract Task Order (CTO) Number 104.

1.1 Project Scope

The *Site 7 – Torpedo Shops and Site 14 – Overbank Disposal Area Northeast Soil - Operable Unit 8 Proposed Plan* (NSB-NLON, July 2004) recommended removal of contaminated soil at Site 7. This proposed remedy addresses both Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) risks and State chemical-specific requirements.

The current scope was to perform soil excavation from areas identified during the Pre-Remedial Study as above Connecticut Department of Environmental Protection (CTDEP) remedial standards. Soils were excavated from the west side of Building 325 and from the south side of Building 325.

1.2 Site Description and History

Site 7 is the Torpedo Shops (Buildings 325, 450, 477, and 528) and is located in the northern portion of NSB-NLON on the northern side of Triton Road (Figure 1). The Navy conducts maintenance activities on torpedoes at the site. Contaminated soil at Site 7 was found or is suspected on the southern and western sides of Building 325 (Figure 2). The contaminated soil located on the southern side of the building appears to be related to former underground storage tanks used to store fuel oil, while the suspected soil contamination on the western side of the building appears to be related to the septic tank from the former on-site septic system. The underground storage tanks were closed in the 1990s, and the septic system was abandoned when sanitary sewers were installed in 1983.

The Navy conducted several field investigations from 1990 through 2005 to assess the nature and extent of contamination at Site 7. Investigations were performed at OU 8 in 1990, 1994, and 2000. Human health and ecological risk assessments were performed to evaluate the potential effects of the contamination found in the soil of Site 7 on human health and the environment.

The investigation of Site 7 soil identified polynuclear aromatic hydrocarbons [(PAHs); benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene] and inorganics as the primary chemicals in the site soils. The PAHs were identified in a small area near the southeastern corner of Building 325 in surface and subsurface soil. The inorganics were detected in soil across Site 7. An additional area of soil contamination was suspected near the location of a septic tank formerly used for Site 7 along the western side of Building 325. Benzene, chlorobenzene, and dichlorobenzene were detected in the groundwater originating from the septic tank location. Even though these contaminants were not detected in soil samples collected at nearby locations, it was believed that they were present in the septic tank or surrounding soil and the tank or contaminated soil were acting as the source of these contaminants to groundwater.

1.3 Project Background

Detailed descriptions of Site 7 are provided in the Basewide Groundwater Operable Unit Remedial Investigation (BGOURI) Update/Feasibility Study (FS) Report, BGOURI Report, and Phase II Remedial Investigation (RI) Report. The BGOURI Update/FS Report concluded that there were potentially unacceptable risks to human health or the environment from exposure to Site 7 soil. There were also potential risks for certain receptors from direct contact with contaminated soil, based on State chemical-specific requirements and potential contaminant migration issues from soil to groundwater. The Phase II RI Report concluded that there were no significant risks to ecological receptors from exposure to Site 7 soil. Site 7 groundwater contamination is being addressed as part of the Basewide Groundwater OU 9 under a separate action and in a separate decision document.

The Navy's remedy for Site 7 included the following components:

- Excavate, characterize, transport, and dispose of contaminated soil to an off-site location.
- Collect confirmatory samples to ensure removal of all contaminated soil above remedial goals.
- Restore site to pre-excavation conditions.

After soils were excavated to the predetermined limits, confirmatory samples were collected from the bottom and sidewalls of the west side excavation area and from the sidewalls of the south side excavation area. These samples were analyzed to verify that remaining site soils were at concentrations below the remedial goals. Figures 2 and 4 depict the sampling locations.

Clean soil was used to backfill the excavations. At the request of the Navy, silt was placed to backfill around the grounding cable. Following the backfilling of the west side excavation, topsoil was placed and the area was seeded. The south side excavation was backfilled with bank run gravel and silt to 6 inches below ground surface (BGS). Crushed stone was then placed and compacted to form a paving sub base and the previously paved area was restored. The small grassy area was brought to grade with topsoil, and then seeded and mulched. Further details of backfill and restoration are provided in Section 2.7.

The September 30, 2004 ROD required excavation and off-site disposal of soils contaminated with PAHs, benzene, chlorobenzene, and 1,4-dichlorobenzene. Approximately (1,151 tons of soil and 125 tons of asphalt) were removed and the total cost was ($408,180.64). An additional cost (not exceeding $15,000) will have been spent to revise and re-issue this Final Completion Report.

TtEC's approved Final Work Plan discussed a plan to excavate a total of 1,840 tons of soil between both excavation areas. However, that amount of soil was not actually there, primarily due to shallow bedrock being encountered during excavation at the excavation south of Building 325 where the soil was only 2.5 feet deep instead of the planned 4 feet as discussed in the Final Work Plan. In spite of shallow bedrock and required structural protection of utilities 1,151 tons of soil was "removable".

In May 2006, a final walk-through was made with Navy personnel of the Septic System excavation; a similar walk through was performed in June 2006 of the Building 325 excavation. The Final Inspections did not occur until topsoil and seed were placed at the Septic System excavation and asphalt was placed at the Building 325 excavation.

TtEC's final inspection of the remedial action found that (the excavation complied with the work plan except where bedrock was encountered obviating the need for further excavation (in which case the soil above the bedrock was removed where soil) and where limited soil was needed to be kept in place around

structures and utilities at 1:1 slope to protect them from failure. The final survey of excavation limits was performed on May 1, 2006 and demobilization occurred on May 15, 2006 with asphalt repaving for the Building 325 completed afterwards.

2.0 REMEDIAL ACTIVITIES

2.1 Mobilization

Mobilization for field activities took place on March 14, 2006. Field personnel received project site-specific training from TtEC's Environmental and Safety Supervisor (ESS) and Navy weapons personnel on Building 325 activities, procedures, and emergency situations. A Komatsu 200 track excavator, a mini excavator, and Caterpillar 950 loader were mobilized to the site.

All work was completed in Level D Modified Personal Protective Equipment (PPE). Activities performed on this CTO complied with the Site-Specific Activity Hazard Analysis previously prepared by TtEC, Occupational Safety and Health Administration (OSHA) Regulations 29 Code of Federal Regulations (CFR) Parts 1910 and 1926, United States Army Corps of Engineers (USACE) EM 385-1-1, as well as the TtEC Health and Safety Program.

2.2 Underground Survey

The Navy provided utility drawings for each location and/or provided assistance in locating underground utilities. Prior to the soil delineation event that took place in July 2005, an underground survey was conducted by the Utility Service Corporation with oversight provided by TtEC on July 19 and 20, 2005. The survey was performed specifically to locate utilities that cross through areas to be sampled.

A Noggin 250 MHz Smartcart GPR unit, in conjunction with the Metrotech 810, Metrotch 9890XT, and Radiodetection RD433 pipe/cable locators, was used for the survey. The technician confirmed the location of utilities with the GPR by scanning the areas in an x, y grid pattern. Utility location was performed using the pipe/cable locators on both their inductive and conductive settings. The locations of these utilities were then marked on the ground with paint.

A Request for Permit to Excavate was submitted to the Navy's Public Works Engineering Division by TtEC for the excavation of Building 325 soils. The Permit to Excavate was received on March 14, 2006, a copy of which is included as Appendix A.

Figures 5, 6, and 7 depict underground utilities.

2.3 Former Septic Tank Excavation

The downspouts serving the west side of Building 325 were diverted away from the excavation area via flexible poly pipe to prevent water from entering the excavation during rain events. Soil excavation activities began on March 15, 2006. TtEC first located the grounding cables, which were found to be buried in the soil from 6 to 48 inches BGS. The 3/8-inch copper cables, along with the attached 100-foot tall lightning rods, serve to protect Building 325 from power surges associated with lightning strikes. The excavator bucket was used to excavate the sod and topsoil; hand shovels were then used to expose the cable within the excavation footprint.

The excavation footprint was defined by previous investigations and is shown on Figure 5. Soils were

excavated to a depth of 6 feet. Soils, work areas, breathing zones, and perimeter areas were monitored with a Photoionization Detector (PID) and a 4-gas meter. Structures such as the lightning rod and bollards, the lightning rod support-cable dead man, and the sewer manhole were left undisturbed. Soil was sloped 1:1 around these structures and utilities to protect them from failure.

Six sidewall confirmation soil samples were collected at 20-foot intervals and screened for Polynuclear Aromatic Hydrocarbon (PAH) compounds by field immunoassay kits. Samples with immunoassay results of less than 10 parts per million (ppm) PAH were shipped offsite to the laboratory for analysis. Samples (CS-SL-SWW-01 and SWN-CS-SL-10A), collected from the north and west sidewalls, exceeded 10 ppm. These sidewall areas were further excavated, sampled, and re-screened; additional samples were then sent for analysis. Soil samples SW-4 and SW-5 were collected, field screened, and found to be above the remedial goals. Therefore, additional excavation activities took place; samples SW-3, SW-4, and SW-5 were not sent to the laboratory for analysis. Confirmation samples SWN-CS-SL-09 and SWE-CS-SL-10 met the remedial goals. The confirmation samples from the excavation were analyzed for Volatile Organic Compounds (VOCs) and PAHs. All soils from the excavation were staged on the asphalt parking area immediately adjacent to the excavation. Soil samples were also collected from the stockpile for waste characterization purposes.

Upon completion of the excavation and confirmatory sampling of the west side of Building 325, clean imported fill was placed to backfill the excavation. Appendix B contains photographs taken during excavation activities.

2.4 Excavation South of Building 325

The downspouts serving the south side of Building 325 were diverted to storm drains via flexible poly pipe to prevent water from entering the excavation during rain events. Soil excavation activities began on March 20, 2006. The minimum limit of excavation was marked out and utility locations were reconfirmed with Sub base maps and drawings. Paint marks on the asphalt were offset to ensure that buried utilities could be relocated once the asphalt was removed. The excavator stripped the asphalt, placed it in the loader, and stockpiled it next to the contaminated soil pile. The utility locations were then reestablished. The grounding cable was located by hand digging and excavation began. Several unmarked or recorded utilities were also encountered during excavation activities. An abandoned 4-inch steel water line and a buried monitoring well were encountered and removed per Resident Officer in Charge of Construction (ROICC) direction. Twin 1.5-inch fiberglass lines were located by hand digging in the northwest corner of the excavation. No record of these lines was found by base personnel and the excavation was terminated in this area per ROICC direction.

Excavation continued until the design limits were reached. The design depth of 4 feet BGS was not reached in some areas. Boulders then bedrock were encountered from 2.5 to 4 feet below grade. Soils were removed to the top of bedrock and the boulders were sorted from the soil and left in place. Ten (10) confirmation samples were collected from the excavation sidewalls and are shown on Figure 4. Soil sample NSB-NLON-Site7-EXS-SWN-CS-SL-10 was collected from an area adjacent to a concrete ramp and awning, and found to be contaminated. Excavation continued per the Navy's request, and soil sample NSB-NLON-Site7-EXS-SWN-CS-SL-10A was collected; this sample was found to be contaminated as well. Although contamination was detected, the soil samples met the remedial goals. Concentrations of 1,1,1-trichloroethylene were detected at 1,910 and 1,990 ug/kg, respectively. However, due to the close proximity to the concrete ramp and awning, excavation activities were discontinued per the Navy's direction.

The sample identification numbering system for samples collected from this excavation is identical to the

Septic System excavation, except that samples from the Building 325 excavation contain an "EXS" in the sample identification number. Additional information regarding sample identification number nomenclature can be found in Section 3.1.

No bottom samples were collected as planned as bedrock was encountered at the bottom of the excavation at depths ranging from 2 to 3 feet. The bottom of the excavation consisted large boulders and in some areas solid bedrock. No soil was removed beyond this depth of excavation.

Groundwater was encountered at 3 feet BGS. A slight petroleum sheen was observed on the water and the Base was notified. The work area, breathing zone, and perimeter areas were monitored for VOCs, oxygen levels, carbon monoxide, and explosive gases as in the west side excavation. Occasional jar headspace readings were collected for the soils.

Water treatment procedures were undertaken at the request of the Base. A two-stage water filtration system was mobilized to the site. A 3-inch trash pump was used to pump groundwater to the filtration system, which consisted of six (6) 50-micron filters and four (4) 15-micron filters. Groundwater samples were collected from the excavation and analyzed at a laboratory. Results revealed that the water could be discharged to the Base Publicly Owned Treatment Works (POTW) after filtration. An initial sample was collected at the system discharge and sent to a laboratory for analysis. This water met acceptance criteria for discharge to the POTW. The filtration system processed approximately 25,700 gallons of water. Water was removed from the excavations primarily to support backfill operations.

Appendix B contains photographs taken during excavation activities.

2.5 Post Excavation Surveying

The final excavation limits and confirmatory sample locations were surveyed and located on a drawing by the Compass Engineering Group, LLC. Figure 8 depicts this survey.

2.6 Waste Management

Soils excavated from within the defined limits of excavation or identified via PAH immunoassay screening, were stockpiled on the paved parking area west of Building 325. The pile was covered with 6-mil poly sheeting. TtEC collected waste characterization samples from the soil stockpile and sent them to a laboratory for analysis for total VOCs, flashpoint, percent solids, Toxicity Characteristics Leaching Procedure (TCLP) VOC, Total Organic Carbon (TOC), Resource Conservation and Recovery Act (RCRA) 8 metals, Full TCLP, Polychlorinated Biphenyls (PCBs), reactivity, pH, corrosivity, Semi-Volatile Organic Compounds (SVOCs), Total Petroleum Hydrocarbons (TPH), and paint. The analyses formed a waste profile that allowed the soil to be accepted at the selected disposal facility. Soils were shipped offsite to the Southbridge Landfill in Southbridge, Massachusetts where it was used for daily cover. As previously stated, groundwater and stormwater were filtered and released to the Base POTW. The project generated no PPE waste. Cardboard and other trash was disposed of in the onsite dumpster. Appendix C contains transportation and disposal documentation.

2.7 Backfill and Restoration

Two types of backfill were used for the west and south excavations. Bank run gravel (3 inch minus) was placed from the base of the excavations to the top of the water table. Silt was placed above this layer to within 6-inches of the ground surface in the west excavation and within 9-inches of the ground surface in the south excavation. The base requested that the exposed grounding cable be placed in silt for its

superior grounding characteristics. A 6-inch layer of silt was placed beneath the cable and 12 inches of silt was used to cover the cable. A 5,000-pound roller was used to compact the backfill material in the south excavation.

Screened organic topsoil was placed to grade in the west excavation and in the northwest corner of the south excavation. These areas were raked, seeded, and raked again. Hay was then spread over the areas to prevent erosion and to mulch the seed. Two groundwater monitoring wells were then installed in the southwest corner of the west excavation by Tetra Tech NUS, Inc. (TtNUS).

Stone was placed in the areas of the south excavation that were to be paved and brought to within 3 inches of final grade. True Blue Environmental then performed the final grading, compaction of the sub base, and paving of the south excavation area back to original conditions.

2.8 Demobilization

All potentially contaminated equipment was decontaminated prior to demobilization. TtEC demobilized the excavator and loader on May 15, 2006. The downspout diversion pipes were removed and taken offsite. Fencing and fence posts, hand tools and unused hay bales were taken to the Arrowwood Drive area of Nautilus Park for use on another Navy project.

3.0 FIELD SAMPLING RESULTS

3.1 Sampling Procedures

In accordance with United States Environmental Protection Agency (USEPA) Method 5035A, a 5-gram sample soil samples were collected for VOC analysis with a disposable syringe from the soil as soon as possible after the surface of the soil had been exposed to the atmosphere (generally within a few minutes). This sample was immediately placed in a vial containing 10 milliliters (mL) of purge-and-trap grade methanol. As part of this method, an additional sample aliquot was collected for the determination of moisture content or percent solids. The moisture content sample was not placed in methanol.

Soil samples were collected for PAH analysis from the sidewall and base of the excavations, placed into a stainless steel bowl, and mixed until homogeneous. PAH samples were then transferred into sample jars, labeled, and placed on ice. Disposable sampling scoops and aluminum foil lined stainless steel bowls were used so as not to cross contaminate samples.

Each sample was designated by an alphanumeric code that identified the site and contained a sequential sample number.

The following nomenclature was utilized to identify samples:

CS – Confirmatory Sample
SW – Side wall sample location
SWE – Side wall sample located on the eastern wall of the excavation
SWW – Side wall sample located on the western wall of the excavation

SWN - Side wall sample located on the northern wall of the excavation
SWS – Side wall sample located on the southern wall of the excavation
SL - Indicates a soil sample
BOT – Sample collected from the base of the excavation

Sample identification numbers containing "EXS" depict samples collected from the Building 325 excavation. Sample identification numbers that do not contain "EXS" were collected from the Septic System excavation.

There are instances where the final confirmation sample identification number is not the highest sequentially. This occurred because excavation (and sampling) activities continued around the perimeter of the excavation during the 48-hour turn around time for sample analysis. There were also minor delays due to inclement weather and approval to treat and discharge water from the excavations.

Quality Assurance/Quality Control (QA/QC) samples were collected. All QC blanks including the laboratory method blanks and the VOC trip blank contained undetectable levels of VOCs and consequently any VOCs reported in the samples are due to VOCs present in the samples. All the laboratory method blanks contained undetectable levels of SVOCs/PAHs. Due to laboratory error, the rinse blank sample was lost during extraction and therefore, the data were not reported. Therefore, the presence (or absence) of cross contamination in the field cannot be determined, however due to the field procedures used, it is not expected to be of concern.

3.2 Sampling Results

Soil samples collected during the field event were submitted to Analytics Environmental Laboratory LLC for VOC and SVOC/PAH analysis.

Several soil samples collected during the excavation activities south of Building 325 and at the former septic system exceeded the pre-determined remedial goals as described in the February 2006 Final Work Plan. However, excavation continued until sample concentrations met the remedial goals. Laboratory analysis of the final confirmatory soil samples collected during excavation activities revealed that concentrations of all VOCs and PAHs were below the following remedial goals, except benzo(a)anthracene, benzo(a) pyrene, and benzo(b)fluoranthene.

Contaminant of Concern	Remedial Goal (mg/kg)
Benzene	0.02
Chlorobenzene	2.0
1,4-Dichlorobenzene	1.5
Benzo(a)anthracene	1.0
Benzo(a)pyrene	1.0
Benzo(b)fluoranthene	1.0
Indeno(1,2,3-cd)pyrene	1.0

While sample EXS-SWN-CS-SL-10A contained the 3 aforementioned PAHs above remedial goals, additional soil could not be removed from the excavation due to the existing concrete ramp and awning associated with Building 325. It is estimated that the soil that could not be removed amounted to no more than 5 to 10 cubic yards. The 3 PAH remedial goals not reached were 1 mg/kg for benzo(a)anthracene [1.89 mg/kg was reached], 1 mg/kg benzo(a)pyrene [1.82 mg/kg was reached, and 1 mg/kg for benzo(b)fluoranthene [1.55 mg/kg was reached]. All other remedial goals for all confirmatory samples were fully reached. Sample CS-SL-EXS-SWN-09 contained benzene above the remedial goal and the

excavation was extended to remove this area of soil. Sample CS-SL-EXS-SWN-09A was then collected and this confirmatory sample contained no detections of the COCs.

However, the additional compounds described below were detected. TtEC's approved Work Plan (per the Record of Decision (ROD)) addressed only PAH-, benzene-, chlorobenzene-, and dichlorobenzene-contaminated soil. Neither TtEC's Approved Scope of Work, nor the ROD included addressing investigation and excavation of soils impacted with the following compounds.

VOCs

Sample Number	Sample Location	Compounds and Concentrations (mg/kg)
NSB-NLON-Site7-EXS-SWN-CS-SL-10	Building 325 Excavation	▪ 1,1,1-trichloroethane - 191
SWN-10-041906-1 (duplicate of NSB-NLON-Site7-EXS-SWN-CS-SL-10)	Building 325 Excavation	▪ 1,1,1-trichloroethane - 1.99
NSB-NLON-Site7-EXS-SWN-CS-SL-9	Building 325 Excavation	▪ 1,2,4-trimethylbenzene – 0.072 ▪ 1,3,5-trimethylbenzene – 0.033 J ▪ benzene – 0.026 ▪ ethylbenzene – 0.034 J ▪ m&p-xylene – 0.099 ▪ naphthalene – 0.043 J ▪ o-xylene – 0.037 J ▪ toluene – 0.104
NSB-NLON-Site7-EXS-SWN-CS-SL-10A	Building 325	▪ 1,1,1-trichloroethane – 6.350 E ▪ 1,2,4-trimethylbenzene – 0.076 ▪ 1,3,5-trimethylbenzene – 0.048 J ▪ m&p-xylene – 0.081 ▪ naphthalene – 0.043 J ▪ o-xylene – 0.042 J
NSB-NLON-Site7-EXS-SWN-CS-SL-10A (duplicate)	Building 325	▪ 1,1,1-trichloroethane – 7.5 ▪ 1,2,4-trimethylbenzene – 0.106 ▪ 1,3,5-trimethylbenzene – 0.058 J ▪ m&p-xylene – 0.117 ▪ naphthalene – 0.067 J ▪ o-xylene – 0.061 J
NSB-NLON-SITE7-CS-SL-SWW-01-032206-01 (duplicate of SWW-01)	Septic System	▪ m&p-xylene - 0.092

SVOCs

Sample Number	Sample Location	Compounds and Concentrations (ug/kg)
NSB-NLON-SITE7-CS-SL-EXS-SWS-3	Building 325	▪ anthracene – 0.169 J ▪ benzo(a)anthracene – 0.429 ▪ benzo(a)pyrene – 0.396 ▪ benzo(b)fluoranthene – 0.37 ▪ benzo(k)fluoranthene – 0.345 ▪ chrysene – 0.41 ▪ fluoranthene – 0.985 ▪ pyrene – 0.743 ▪ phenanthrene – 0.591

Sample Number	Sample Location	Compounds and Concentrations (ug/kg)
NSB-NLON-SITE7-EXS-SWN-CS-SL-10A (duplicate)	Building 325	▪ acenaphthylene – 0.41 ▪ anthracene – 0.763 ▪ benzo(a)anthracene – 1.89 ▪ benzo(a)pyrene – 1.8 ▪ benzo(b)fluoranthene –1.87 ▪ benzo(k)fluoranthene – 1.55 ▪ benzo(g,h,i)perlyene – 0.402 ▪ chrysene – 2.32 ▪ fluoranthene – 5.34 ▪ fluorene – 0.438 ▪ indeno[1,2,3-CD] – 0.531 ▪ pyrene – 3.87 ▪ naphthalene – 0.345 ▪ phenanthrene – 4.99
NSB-NLON-SITE7-EXS-SWN-CS-SL-10A	Building 325	▪ acenaphthylene – 0.41 J ▪ anthracene – 0.763 ▪ benzo(a)anthracene – 1.89 ▪ benzo(a)pyrene – 1.82 ▪ benzo(b)fluoranthene –1.87 ▪ benzo(k)fluoranthene – 1.55 ▪ benzo(g,h,i)perlyene – 0.402 J ▪ chrysene – 2.32 ▪ fluoranthene – 5.34 ▪ fluorene – 0.438 ▪ indeno[1,2,3-CD] – 0.531 J ▪ pyrene – 3.87 ▪ naphthalene – 0.345 J ▪ phenanthrene – 4.99
NSB-NLON-SITE7-EXS-SWN-CS-SL-8	Building 325	▪ anthracene – 0.231 J ▪ benzo(a)anthracene – 0.533 ▪ benzo(a)pyrene –0.502 ▪ benzo(b)fluoranthene –0.503 ▪ benzo(k)fluoranthene – 0.442 ▪ chrysene – 0.479 ▪ fluoranthene – 1.23 ▪ indeno[1,2,3-CD] –0.141 J ▪ pyrene – 0.949 ▪ phenanthrene – 0.849
NSB-NLON-SITE7-EXS-SWN-CS-SL-9	Building 325	▪ benzo(a)anthracene – 0.164 J ▪ benzo(a)pyrene – 0.138 J ▪ benzo(b)fluoranthene – 0.176 J ▪ benzo(k)fluoranthene – 0.148 J ▪ chrysene – 0.18 J ▪ fluoranthene – 0.338 ▪ pyrene – 0.265 ▪ phenanthrene – 0.216 J

Sample Number	Sample Location	Compounds and Concentrations (ug/kg)
NSB-NLON-SITE7-EXS-SWS-CS-SL-11	Building 325	▪ benzo(a)anthracene – 0.329 ▪ benzo(a)pyrene – 0.332 J ▪ benzo(b)fluoranthene – 0.39 ▪ benzo(k)fluoranthene – 0.339 ▪ chrysene – 0.344 ▪ fluoranthene – 0.698 ▪ pyrene – 0.525 ▪ phenanthrene – 0.376
NSB-NLON-SITE7-EXS-SWS-CS-SL-12	Building 325	▪ fluoranthene – 0.174 J
NSB-NLON-SITE7-CS-SL-SWW-01-032206-01 (duplicate of SWW-01)	Septic System	▪ acenaphthylene – 0.257 J ▪ benzo(a)anthracene – 0.753 ▪ benzo(a)pyrene – 0.966 ▪ benzo(b)fluoranthene – 0.869 ▪ benzo(k)fluoranthene – 0.806 ▪ chrysene – 0.745 ▪ fluoranthene – 0.714 ▪ indeno[1,2,3-CD] –0.191 J ▪ pyrene – 0.814
NSB-NLON-SITE7-CS-SL-SWW-01	Septic System	▪ acenaphthylene – 0.23 J ▪ benzo(a)anthracene – 0.709 ▪ benzo(a)pyrene – 0.897 ▪ benzo(b)fluoranthene – 0.895 ▪ benzo(k)fluoranthene – 0.894 ▪ chrysene – 0.696 ▪ fluoranthene – 0.645 ▪ pyrene – 0.72

Table 2 contains a summary of VOC analytical results and Table 3 contains a summary of PAH analytical results. See Appendix D for Confirmatory and Waste Characterization Analytical Results.

Tables

Table 1
Site 7 Remedial Goals

Contaminants of Concern (COC)	Remedial Goals (mg/kg)
Benzene	0.02
Chlorobenzene	2.0
1,4-Dichlorobenzene	1.5
Benzo(a)anthracene	1.0
Benzo(a)pyrene	1.0
Benzo(b)fluoranthene	1.0
Indeno(1,2,3-cd)pyrene	1.0

Table 2
Confirmatory Soil Sampling Results - VOCs
Building 325 Excavation

SAMPLE ID	Remedial Goals	NSB-NLON-SITE7-CS-SL-EXS-SWN-CS-SL-09A	NSB-NLON-Site7-EXS-SWN-CS-SL-09A-042706-1 (duplicate of 09A)	NSB-NLON-Site7-I
SAMPLE LOCATION	**(mg/kg)**	**BUILDING 325**	**BUILDING 325**	**BUILI**
1,1,1-TRICHLOROETHANE	*	ND	ND	6.
1,2,4-TRIMETHYLBENZENE	*	ND	ND	0
1,3,5-TRIMETHYLBENZENE	*	ND	ND	0.
1,4-DICHLOROBENZENE	1.5	ND	ND	
BENZENE	0.02	ND	ND	
CHLOROBENZENE	2	ND	ND	
ETHYLBENZENE	*	ND	ND	
M&P-XYLENE	*	ND	ND	0
NAPHTHALENE	*	ND	ND	0.
O-XYLENE	*	ND	ND	0.
TOLUENE	*	ND	ND	

All results are in mg/kg
ND - non detect
J - Estimated
* - no remedial goal set for this project
**documented as 14 in the laboratory packages report #12

Table 3
Confirmatory Soil Sampling Results - PAHs
Building 325 Excavation

SAMPLE ID	Remedial Goals	NSB-NLON-SITE7-CS-SL-EXS-SWW-14	NSB-NLON-SITE7-CS-SL-EXS-SWW-15**
SAMPLE LOCATION	**(mg/kg)**	**BUILDING 325**	**BULDING 325**
ACENEPHTHENE	*	ND	ND
ACENAPHTHYLENE	*	ND	ND
ANTHRACENE	*	ND	ND
BENZO[A]ANTHRACENE	1	ND	ND
BENZO[A]PYRENE	1	ND	ND
BENZO[B]FLUORANTHENE	1	ND	ND
BENZO[K]FLUORANTHENE	*	ND	ND
BENZO(G,H,I)PERYLENE	*	ND	ND
CHRYSENE	*	ND	ND
DIBENZ[A,H]ANTHRACENE	*	ND	ND
FLUORANTHENE	*	ND	ND
FLUORENE	*	ND	ND
INDENO[1,2,3-CD]PYRENE	1	ND	ND
PYRENE	*	ND	ND
2-METHYLNAPHTHALENE	*	ND	ND
NAPHTHALENE	*	ND	ND
PHENANTHRENE	*	ND	ND

All results are in mg/kg
ND - non detect
J - Estimated
* - no remedial goal set for this project
Highlighted in green - contaminants of concern
**documented as 14 in the laboratory packages report #12

Table 3
Confirmatory Soil Sampling Results - PAHs
Building 325 Excavation

SAMPLE ID	Remedial Goals	NSB-NLON-Site7-EXS-SWN-CS-SL-10A (duplicate)	NSB-NLON-SITE7-CS-SL-EXS-SWN-6
SAMPLE LOCATION	**(mg/kg)**	**BUILDING 325**	**BUILDING 325**
ACENEPHTHENE	*	ND	ND
ACENAPHTHYLENE	*	0.41	ND
ANTHRACENE	*	0.763	ND
BENZO[A]ANTHRACENE	1	1.89	ND
BENZO[A]PYRENE	1	1.8	ND
BENZO[B]FLUORANTHENE	1	1.87	ND
BENZO[K]FLUORANTHENE	*	1.55	ND
BENZO(G,H,I)PERYLENE	*	0.402	ND
CHRYSENE	*	2.32	ND
DIBENZ[A,H]ANTHRACENE	*	ND	ND
FLUORANTHENE	*	5.34	ND
FLUORENE	*	0.438	ND
INDENO[1,2,3-CD]PYRENE	1	0.531	ND
PYRENE	*	3.87	ND
2-METHYLNAPHTHALENE	*	ND	ND
NAPHTHALENE	*	0.345	ND
PHENANTHRENE	*	4.99	ND

All results are in mg/kg
ND - non detect
J - Estimated
* - no remedial goal set for this project
Highlighted in green - contaminants of concern
**documented as 14 in the laboratory packages report #12

Table 3
Confirmatory Soil Sampling Results - PAHs
Building 325 Excavation

SAMPLE ID	Remedial Goals	NSB-NLON-SITE7-CS-SL-EXS-SWN-7	NSB-NLON-SITE7-CS-SL-EXS-SWN-8	NSB-NLON-SITE7-CS-SL-EXS-SWN-9
SAMPLE LOCATION	**(mg/kg)**	**BUILDING 325**	**BUILDING 325**	**BUILDING 325**
ACENEPHTHENE	*	ND	ND	ND
ACENAPHTHYLENE	*	ND	ND	ND
ANTHRACENE	*	ND	0.231 J	ND
BENZO[A]ANTHRACENE	1	ND	0.533	0.164 J
BENZO[A]PYRENE	1	ND	0.502	0.138 J
BENZO[B]FLUORANTHENE	1	ND	0.503	0.176 J
BENZO[K]FLUORANTHENE	*	ND	0.442	0.148 J
BENZO(G,H,I)PERYLENE	*	ND	ND	ND
CHRYSENE	*	ND	0.479	0.180 J
DIBENZ[A,H]ANTHRACENE	*	ND	ND	ND
FLUORANTHENE	*	ND	1.23	0.338
FLUORENE	*	ND	ND	ND
INDENO[1,2,3-CD]PYRENE	1	ND	0.141 J	ND
PYRENE	*	ND	0.949	0.265
2-METHYLNAPHTHALENE	*	ND	ND	ND
NAPHTHALENE	*	ND	ND	ND
PHENANTHRENE	*	ND	0.849	0.216 J

All results are in mg/kg
ND - non detect
J - Estimated
* - no remedial goal set for this project
Highlighted in green - contaminants of concern
**documented as 14 in the laboratory packages report #12

Table 3
Confirmatory Soil Sampling Results - PAHs
Building 325 Excavation

SAMPLE ID	Remedial Goals	NSB-NLON-SITE7-CS-SL-EXS-SWN-09A	NSB-NLON-SITE7-CS-SL-EXS-SWN-10
SAMPLE LOCATION	**(mg/kg)**	**BUILDING 325**	**BUILDING 325**
ACENEPHTHENE	*	ND	ND
ACENAPHTHYLENE	*	ND	ND
ANTHRACENE	*	ND	ND
BENZO[A]ANTHRACENE	1	ND	ND
BENZO[A]PYRENE	1	ND	ND
BENZO[B]FLUORANTHENE	1	ND	ND
BENZO[K]FLUORANTHENE	*	ND	ND
BENZO(G,H,I)PERYLENE	*	ND	ND
CHRYSENE	*	ND	ND
DIBENZ[A,H]ANTHRACENE	*	ND	ND
FLUORANTHENE	*	ND	ND
FLUORENE	*	ND	ND
INDENO[1,2,3-CD]PYRENE	1	ND	ND
PYRENE	*	ND	ND
2-METHYLNAPHTHALENE	*	ND	ND
NAPHTHALENE	*	ND	ND
PHENANTHRENE	*	ND	ND

All results are in mg/kg
ND - non detect
J - Estimated
* - no remedial goal set for this project
Highlighted in green - contaminants of concern
**documented as 14 in the laboratory packages report #12

Table 3
Confirmatory Soil Sampling Results - PAHs
Building 325 Excavation

SAMPLE ID	Remedial Goals	SWN-10-041906-1 (duplicate of SWN-10)	NSB-NLON-Site7-EXS-SWN-CS-SL-10A
SAMPLE LOCATION	**(mg/kg)**	**BUILDING 325**	**BUILDING 325**
ACENEPHTHENE	*	ND	0.41 J
ACENAPHTHYLENE	*	ND	ND
ANTHRACENE	*	ND	0.763
BENZO[A]ANTHRACENE	1	ND	1.89
BENZO[A]PYRENE	1	ND	1.82
BENZO[B]FLUORANTHENE	1	ND	1.87
BENZO[K]FLUORANTHENE	*	ND	1.55
BENZO(G,H,I)PERYLENE	*	ND	0.402 J
CHRYSENE	*	ND	2.32
DIBENZ[A,H]ANTHRACENE	*	ND	ND
FLUORANTHENE	*	ND	5.34
FLUORENE	*	ND	0.438 J
INDENO[1,2,3-CD]PYRENE	1	ND	0.531 J
PYRENE	*	ND	3.87
2-METHYLNAPHTHALENE	*	ND	ND
NAPHTHALENE	*	ND	0.345 J
PHENANTHRENE	*	ND	4.99

All results are in mg/kg
ND - non detect
J - Estimated
* - no remedial goal set for this project
Highlighted in green - contaminants of concern
**documented as 14 in the laboratory packages report #12

Table 3
Confirmatory Soil Sampling Results - PAHs
Building 325 Excavation

SAMPLE ID	Remedial Goals	NSB-NLON-SITE7-CS-SL-EXS-SWS-11	NSB-NLON-SITE7-CS-SL-EXS-SWS-12
SAMPLE LOCATION	**(mg/kg)**	**BUILDING 325**	**BUILDING 325**
ACENEPHTHENE	*	ND	ND
ACENAPHTHYLENE	*	ND	ND
ANTHRACENE	*	ND	ND
BENZO[A]ANTHRACENE	1	0.329	ND
BENZO[A]PYRENE	1	0.332	ND
BENZO[B]FLUORANTHENE	1	0.39	ND
BENZO[K]FLUORANTHENE	*	0.339	ND
BENZO(G,H,I)PERYLENE	*	ND	ND
CHRYSENE	*	0.344	ND
DIBENZ[A,H]ANTHRACENE	*	ND	ND
FLUORANTHENE	*	0.698	0.174 J
FLUORENE	*	ND	ND
INDENO[1,2,3-CD]PYRENE	1	ND	ND
PYRENE	*	0.525	ND
2-METHYLNAPHTHALENE	*	ND	ND
NAPHTHALENE	*	ND	ND
PHENANTHRENE	*	0.376	ND

All results are in mg/kg
ND - non detect
J - Estimated
* - no remedial goal set for this project
Highlighted in green - contaminants of concern
**documented as 14 in the laboratory packages report #12

Table 3
Confirmatory Soil Sampling Results - PAHs
Building 325 Excavation

SAMPLE ID	Remedial Goals	NSB-NLON-SITE7-CS-SL-EXS-SWS-13
SAMPLE LOCATION	**(mg/kg)**	**BUILDING 325**
ACENEPHTHENE	*	ND
ACENAPHTHYLENE	*	ND
ANTHRACENE	*	ND
BENZO[A]ANTHRACENE	1	ND
BENZO[A]PYRENE	1	ND
BENZO[B]FLUORANTHENE	1	ND
BENZO[K]FLUORANTHENE	*	ND
BENZO(G,H,I)PERYLENE	*	ND
CHRYSENE	*	ND
DIBENZ[A,H]ANTHRACENE	*	ND
FLUORANTHENE	*	ND
FLUORENE	*	ND
INDENO[1,2,3-CD]PYRENE	1	ND
PYRENE	*	ND
2-METHYLNAPHTHALENE	*	ND
NAPHTHALENE	*	ND
PHENANTHRENE	*	ND

All results are in mg/kg
ND - non detect
J - Estimated
* - no remedial goal set for this project
Highlighted in green - contaminants of concern
**documented as 14 in the laboratory packages report #12

Table 3
Confirmatory Soil Sampling Results - PAHs
Septic System Excavation

SAMPLE ID	Remedial Goals	NSB-NLON-SITE 7-CS-SL-SWS-01	NSB-NLON-SITE7-CS-SL-SWS-3	NSB-NLON-SITE 7-S
SAMPLE LOCATION	(mg/kg)	SEPTIC SYSTEM	SEPTIC SYSTEM	SEPTIC SYS
ACENEPHTHENE	*	ND	ND	ND
ACENAPHTHYLENE	*	ND	ND	ND
ANTHRACENE	*	ND	0.169 J	ND
BENZO[A]ANTHRACENE	1	ND	0.429	ND
BENZO[A]PYRENE	1	ND	0.396	ND
BENZO[B]FLUORANTHENE	1	ND	0.37	ND
BENZO[K]FLUORANTHENE	*	ND	0.345	ND
BENZO(G,H,I)PERYLENE	*	ND	ND	ND
CHRYSENE	*	ND	0.41	ND
DIBENZ[A,H]ANTHRACENE	*	ND	ND	ND
FLUORANTHENE	*	ND	0.985	ND
FLUORENE	*	ND	ND	ND
INDENO[1,2,3-CD]PYRENE	1	ND	ND	ND
PYRENE	*	ND	0.743	ND
2-METHYLNAPHTHALENE	*	ND	ND	ND
NAPHTHALENE	*	ND	ND	ND
PHENANTHRENE	*	ND	0.591	ND

All results are in mg/kg
ND - non detect
J - Estimated
* - no remedial goal set for this project
Highlighted in green - contaminants of concern

Table 3
Confirmatory Soil Sampling Results - PAHs
Septic System Excavation

SAMPLE ID	Remedial Goals	NSB-NLON-SITE 7-SWN-CS-SL-09	NSB-NLON-SITE 7-SWW-CS-SL-11
SAMPLE LOCATION	(mg/kg)	SEPTIC SYSTEM	SEPTIC SYSTEM
ACENEPHTHENE	*	ND	ND
ACENAPHTHYLENE	*	ND	ND
ANTHRACENE	*	ND	ND
BENZO[A]ANTHRACENE	1	ND	ND
BENZO[A]PYRENE	1	ND	ND
BENZO[B]FLUORANTHENE	1	ND	ND
BENZO[K]FLUORANTHENE	*	ND	ND
BENZO(G,H,I)PERYLENE	*	ND	ND
CHRYSENE	*	ND	ND
DIBENZ[A,H]ANTHRACENE	*	ND	ND
FLUORANTHENE	*	ND	ND
FLUORENE	*	ND	ND
INDENO[1,2,3-CD]PYRENE	1	ND	ND
PYRENE	*	ND	ND
2-METHYLNAPHTHALENE	*	ND	ND
NAPHTHALENE	*	ND	ND
PHENANTHRENE	*	ND	ND

All results are in mg/kg
ND - non detect
J - Estimated
* - no remedial goal set for this project
Highlighted in green - contaminants of concern

Table 3
Confirmatory Soil Sampling Results - PAHs
Septic System Excavation

SAMPLE ID	Remedial Goals	NSB-NLON-SITE 7-SWW-CS-SL-11-042506-1 (duplicate of SWW-11)	NSB-NLON-SITE 7-BOT-CS-SL-07
SAMPLE LOCATION	(mg/kg)	SEPTIC SYSTEM	SEPTIC SYSTEM
ACENEPHTHENE	*	ND	ND
ACENAPHTHYLENE	*	ND	ND
ANTHRACENE	*	ND	ND
BENZO[A]ANTHRACENE	1	ND	ND
BENZO[A]PYRENE	1	ND	ND
BENZO[B]FLUORANTHENE	1	ND	ND
BENZO[K]FLUORANTHENE	*	ND	ND
BENZO(G,H,I)PERYLENE	*	ND	ND
CHRYSENE	*	ND	ND
DIBENZ[A,H]ANTHRACENE	*	ND	ND
FLUORANTHENE	*	ND	ND
FLUORENE	*	ND	ND
INDENO[1,2,3-CD]PYRENE	1	ND	ND
PYRENE	*	ND	ND
2-METHYLNAPHTHALENE	*	ND	ND
NAPHTHALENE	*	ND	ND
PHENANTHRENE	*	ND	ND

All results are in mg/kg
ND - non detect
J - Estimated
* - no remedial goal set for this project
Highlighted in green - contaminants of concern

Table 3
Confirmatory Soil Sampling Results - PAHs
Septic System Excavation

SAMPLE ID	Remedial Goals	NSB-NLON-SITE 7-BOT-CS-SL-08
SAMPLE LOCATION	(mg/kg)	SEPTIC SYSTEM
ACENEPHTHENE	*	ND
ACENAPHTHYLENE	*	ND
ANTHRACENE	*	ND
BENZO[A]ANTHRACENE	1	ND
BENZO[A]PYRENE	1	ND
BENZO[B]FLUORANTHENE	1	ND
BENZO[K]FLUORANTHENE	*	ND
BENZO(G,H,I)PERYLENE	*	ND
CHRYSENE	*	ND
DIBENZ[A,H]ANTHRACENE	*	ND
FLUORANTHENE	*	ND
FLUORENE	*	ND
INDENO[1,2,3-CD]PYRENE	1	ND
PYRENE	*	ND
2-METHYLNAPHTHALENE	*	ND
NAPHTHALENE	*	ND
PHENANTHRENE	*	ND

All results are in mg/kg
ND - non detect
J - Estimated
* - no remedial goal set for this project
Highlighted in green - contaminants of concern

Table 2
Confirmatory Soil Sampling Results - VOCs
Building 325 Excavation

SAMPLE ID	Remedial Goals	NSB-NLON-Site7-EXS-SWN-CS-SL-10A (duplicate)	NSB-NLON-SITE7-CS-SL-EXS-SWN-6	NSB-NLON-SITE7-CS-SL-EXS-SWN-7
SAMPLE LOCATION	**(mg/kg)**	**BUILDING 325**	**BUILDING 325**	**BUILDING 325**
1,1,1-TRICHLOROETHANE	*	7.5	ND	ND
1,2,4-TRIMETHYLBENZENE	*	0.106	ND	ND
1,3,5-TRIMETHYLBENZENE	*	0.058 J	ND	ND
1,4-DICHLOROBENZENE	1.5	ND	ND	ND
BENZENE	0.02	ND	ND	ND
CHLOROBENZENE	2	ND	ND	ND
ETHYLBENZENE	*	ND	ND	ND
M&P-XYLENE	*	0.117	ND	ND
NAPHTHALENE	*	0.067 J	ND	ND
O-XYLENE	*	0.061 J	ND	ND
TOLUENE	*	ND	ND	ND

All results are in mg/kg
ND - non detect
J - Estimated
* - no remedial goal set for this project
**documented as 14 in the laboratory packages report #

Table 2
Confirmatory Soil Sampling Results - VOCs
Building 325 Excavation

SAMPLE ID	Remedial Goals	NSB-NLON-SITE7-CS-SL-EXS-SWN-8	NSB-NLON-SITE7-CS-SL-EXS-SWN-9	NSB-NLON-SITE7-CS-SL-EXS-SWN-10
SAMPLE LOCATION	**(mg/kg)**	**BUILDING 325**	**BUILDING 325**	**BUILDING 325**
1,1,1-TRICHLOROETHANE	*	ND	ND	1.91
1,2,4-TRIMETHYLBENZENE	*	ND	0.072	ND
1,3,5-TRIMETHYLBENZENE	*	ND	0.033 J	ND
1,4-DICHLOROBENZENE	1.5	ND	ND	ND
BENZENE	0.02	ND	0.026	ND
CHLOROBENZENE	2	ND	ND	ND
ETHYLBENZENE	*	ND	0.034 J	ND
M&P-XYLENE	*	ND	0.099	ND
NAPHTHALENE	*	ND	0.043 J	ND
O-XYLENE	*	ND	0.037 J	ND
TOLUENE	*	ND	0.104	ND

All results are in mg/kg
ND - non detect
J - Estimated
* - no remedial goal set for this project
**documented as 14 in the laboratory packages report #

Table 2
Confirmatory Soil Sampling Results - VOCs
Building 325 Excavation

SAMPLE ID	Remedial Goals	NSB-NLON-SITE7-CS-SL-EXS-SWS-11	NSB-NLON-SITE7-CS-SL-EXS-SWS-12	NSB-NLON-SITE7-CS-SL-EXS-SWS-13
SAMPLE LOCATION	**(mg/kg)**	**BUILDING 325**	**BUILDING 325**	**BUILDING 325**
1,1,1-TRICHLOROETHANE	*	ND	ND	ND
1,2,4-TRIMETHYLBENZENE	*	ND	ND	ND
1,3,5-TRIMETHYLBENZENE	*	ND	ND	ND
1,4-DICHLOROBENZENE	1.5	ND	ND	ND
BENZENE	0.02	ND	ND	ND
CHLOROBENZENE	2	ND	ND	ND
ETHYLBENZENE	*	ND	ND	ND
M&P-XYLENE	*	ND	ND	ND
NAPHTHALENE	*	ND	ND	ND
O-XYLENE	*	ND	ND	ND
TOLUENE	*	ND	ND	ND

All results are in mg/kg
ND - non detect
J - Estimated
* - no remedial goal set for this project
**documented as 14 in the laboratory packages report #

Table 2
Confirmatory Soil Sampling Results - VOCs
Building 325 Excavation

SAMPLE ID	Remedial Goals	NSB-NLON-SITE7-CS-SL-EXS-SWW-14	NSB-NLON-SITE7-CS-SL-EXS-SWW-15**	SWN-10-041906-1 (duplicate of SWN-10)
SAMPLE LOCATION	(mg/kg)	BUILDING 325	BUILDING 325	BUILDING 325
1,1,1-TRICHLOROETHANE	*	ND	ND	1.99
1,2,4-TRIMETHYLBENZENE	*	ND	ND	ND
1,3,5-TRIMETHYLBENZENE	*	ND	ND	ND
1,4-DICHLOROBENZENE	1.5	ND	ND	ND
BENZENE	0.02	ND	ND	ND
CHLOROBENZENE	2	ND	ND	ND
ETHYLBENZENE	*	ND	ND	ND
M&P-XYLENE	*	ND	ND	ND
NAPHTHALENE	*	ND	ND	ND
O-XYLENE	*	ND	ND	ND
TOLUENE	*	ND	ND	ND

All results are in mg/kg
ND - non detect
J - Estimated
* - no remedial goal set for this project
**documented as 14 in the laboratory packages report #

Table 2
Confirmatory Soil Sampling Results - VOCs
Septic System Excavation

SAMPLE ID	Remedial Goals	NSB-NLON-SITE 7-CS-SL-SWS-01	NSB-NLON-SITE 7-BOT-CS-SL-07	NSB-NLON-SITE 7-SWN-CS-SI
SAMPLE LOCATION	(mg/kg)	SEPTIC SYSTEM	SEPTIC SYSTEM	SEPTIC SYSTEM
1,1,1-TRICHLOROETHANE	*	ND	ND	ND
1,2,4-TRIMETHYLBENZENE	*	ND	ND	ND
1,3,5-TRIMETHYLBENZENE	*	ND	ND	ND
1,4-DICHLOROBENZENE	1.5	ND	ND	ND
BENZENE	0.02	ND	ND	ND
CHLOROBENZENE	2	ND	ND	ND
ETHYLBENZENE	*	ND	ND	ND
M&P-XYLENE	*	ND	ND	ND
NAPHTHALENE	*	ND	ND	ND
O-XYLENE	*	ND	ND	ND
TOLUENE	*	ND	ND	ND

All results are in mg/kg
ND - non detect
J - Estimated
* - no remedial goal set for this project

Table 2
Confirmatory Soil Sampling Results - VOCs
Septic System Excavation

SAMPLE ID	Remedial Goals	NSB-NLON-SITE7-CS-SL-SWS-3	NSB-NLON-SITE 7-SWW-CS-SL-11	NSB-NLON-SITE 7-SWW-CS-SL-11-042506-1 (duplicate of SW-11)
SAMPLE LOCATION	**(mg/kg)**	**SEPTIC SYSTEM**	**SEPTIC SYSTEM**	**SEPTIC SYSTEM**
1,1,1-TRICHLOROETHANE	*	ND	ND	ND
1,2,4-TRIMETHYLBENZENE	*	ND	ND	ND
1,3,5-TRIMETHYLBENZENE	*	ND	ND	ND
1,4-DICHLOROBENZENE	1.5	ND	ND	ND
BENZENE	0.02	ND	ND	ND
CHLOROBENZENE	2	ND	ND	ND
ETHYLBENZENE	*	ND	ND	ND
M&P-XYLENE	*	ND	ND	ND
NAPHTHALENE	*	ND	ND	ND
O-XYLENE	*	ND	ND	ND
TOLUENE	*	ND	ND	ND

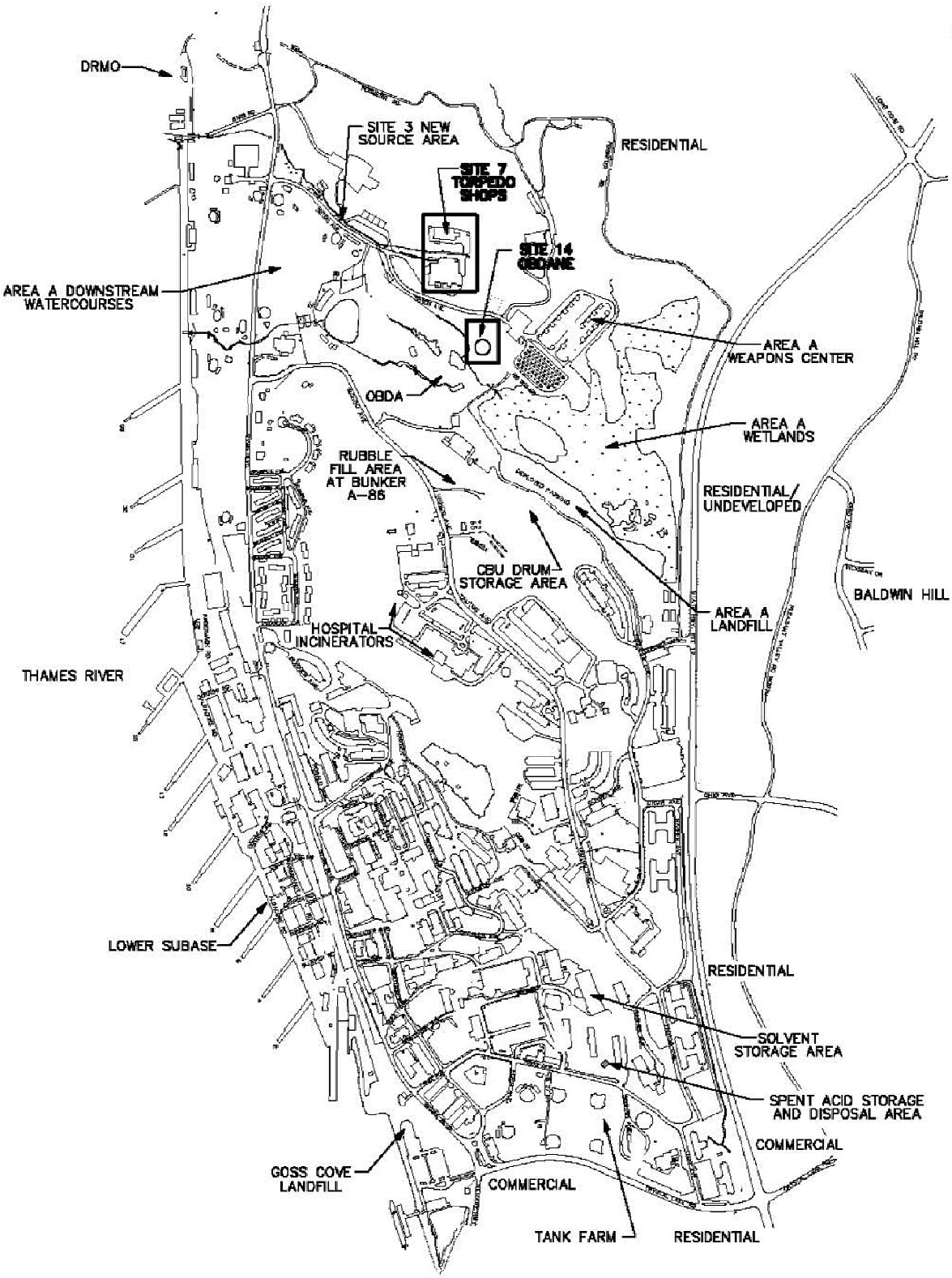
All results are in mg/kg
ND - non detect
J - Estimated
* - no remedial goal set for this project

Table 2
Confirmatory Soil Sampling Results - VOCs
Septic System Excavation

SAMPLE ID	Remedial Goals	NSB-NLON-SITE 7-BOT-CS-SL-08	NSB-NLON-SITE 7-SWE-CS-SL-10
SAMPLE LOCATION	(mg/kg)	SEPTIC SYSTEM	SEPTIC SYSTEM
1,1,1-TRICHLOROETHANE	*	ND	ND
1,2,4-TRIMETHYLBENZENE	*	ND	ND
1,3,5-TRIMETHYLBENZENE	*	ND	ND
1,4-DICHLOROBENZENE	1.5	ND	ND
BENZENE	0.02	ND	ND
CHLOROBENZENE	2	ND	ND
ETHYLBENZENE	*	ND	ND
M&P-XYLENE	*	ND	ND
NAPHTHALENE	*	ND	ND
O-XYLENE	*	ND	ND
TOLUENE	*	ND	ND

All results are in mg/kg
ND - non detect
J - Estimated
* - no remedial goal set for this project

Figures



U.S. Navy RAC

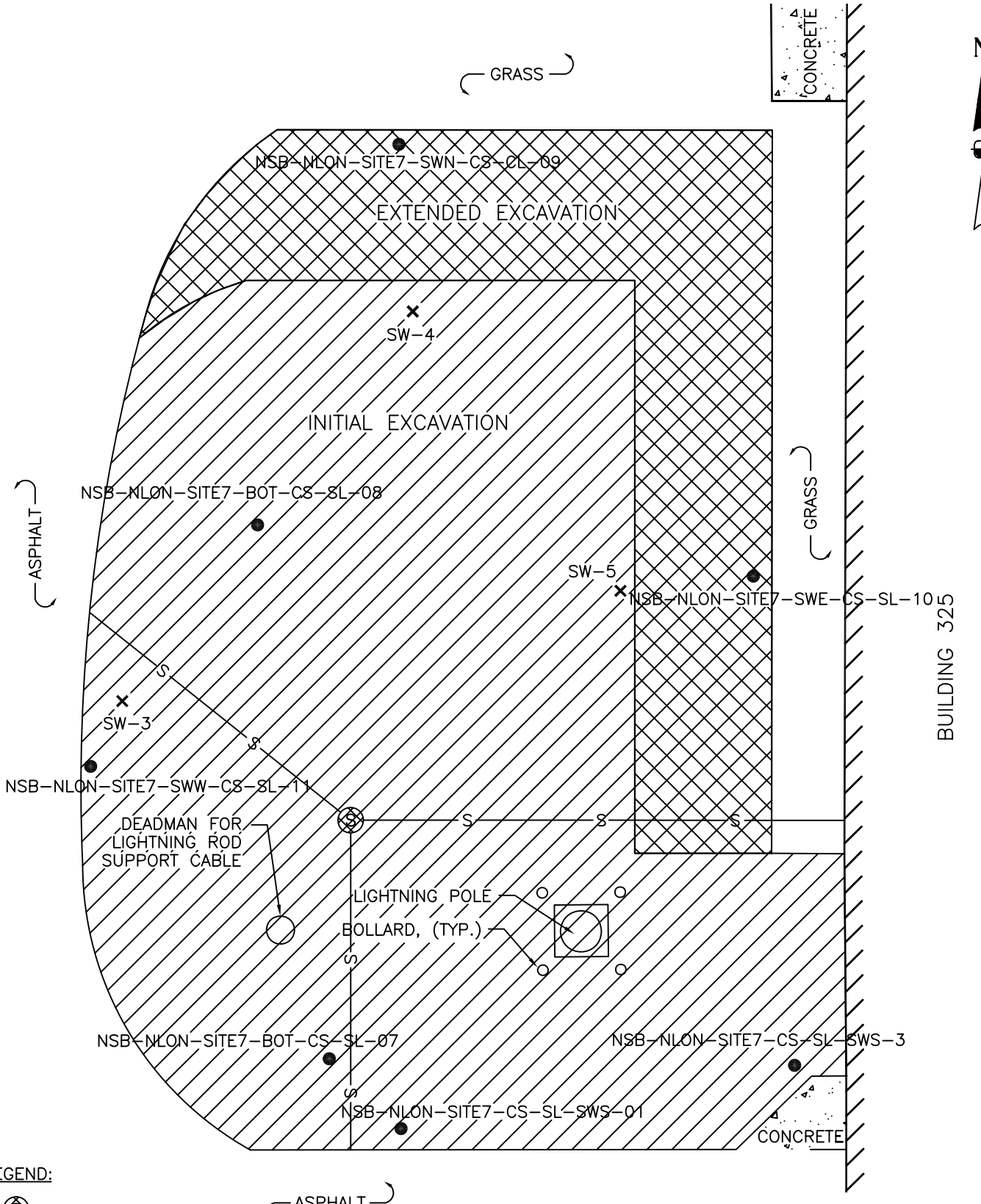
Site 7 – Torpedo Shops, OU 8
Naval Submarine Base – New London
Groton, Connecticut

Figure 1
Site Location

TETRA TECH EC, INC.

SOURCE: Figure 1 of "Site 7 - Torpedo Shops and Site 14 - Overbank Disposal Area Northeast Soil - Operable Unit 8 Proposed Plan" (NSB-NLON, July 2004)

P:\Navy RAC\Groton\Work Plan 2004\groton fig 1.dwg, 07/13/2005 05:18:06 PM



NOTE: SAMPLES SW-3, SW-4, AND SW-5 WAS FIELD SCREENED AND FOUND TO BE JUST BELOW THE REMEDIAL GOAL. THEREFORE IT WAS REDUG.

NOT TO SCALE

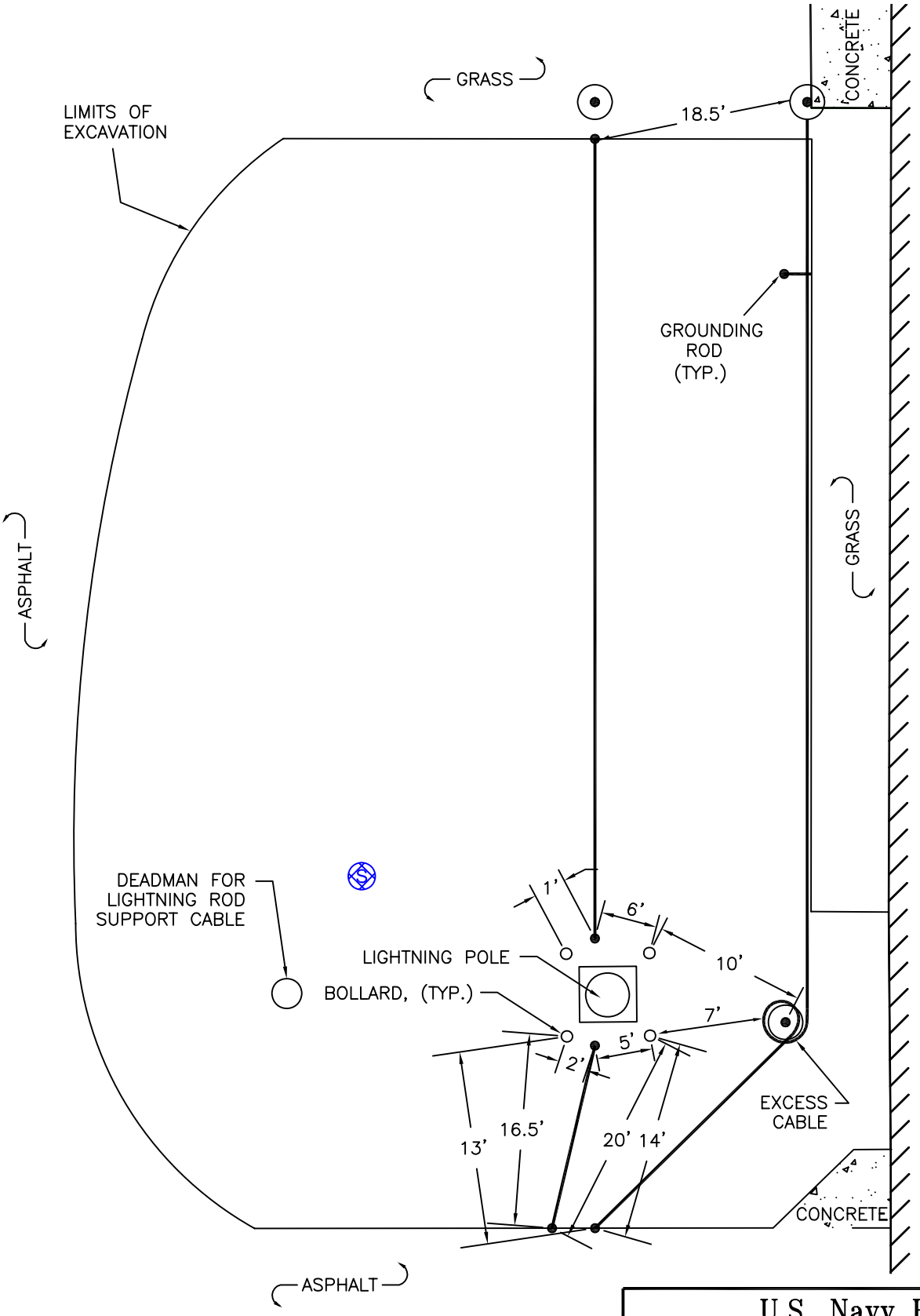
U.S. Navy RAC

Site 7 – Torpedo Shops, OU 8
Naval Submarine Base – New London
Groton, Connecticut

FIGURE 2
FORMER SEPTIC TANK LOCATION – WEST AREA
SAMPLE LOCATIONS

TETRA TECH EC, INC.

P:\Navy RAC\Groton\Work Plan 2004\FIG 2 SAMP LOCS.dwg, 12/28/2006 3:11:24 PM



LEGEND:

- SEWER MANHOLE
- GROUNDING CABLE
- GROUNDING ROD
- GROUNDING ROD BENEATH COVER

NOT TO SCALE

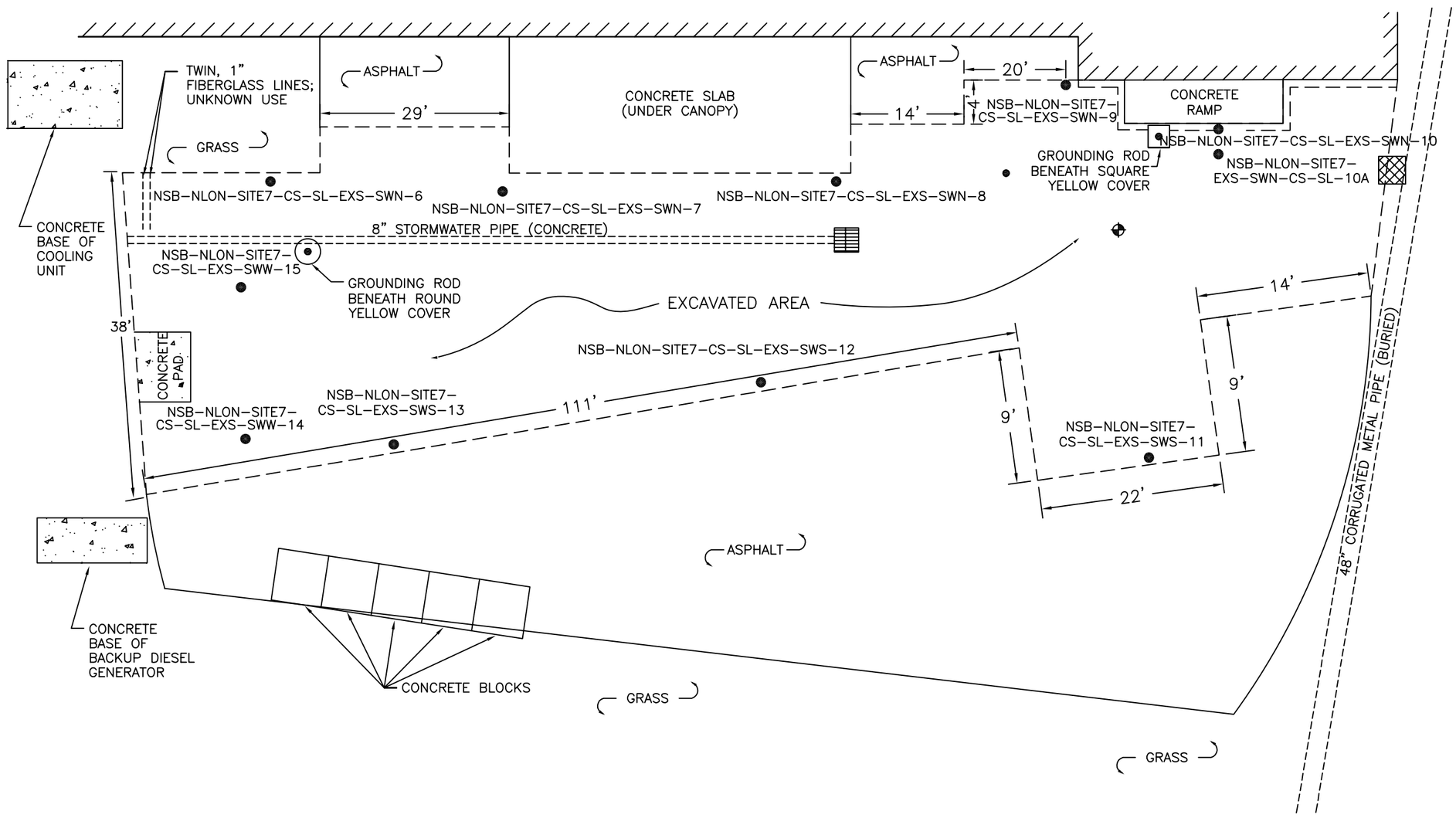
NOTE: ALL MEASUREMENTS IN FEET.

U.S. Navy RAC

Site 7 – Torpedo Shops, OU 8
Naval Submarine Base – New London
Groton, Connecticut

FIGURE 3
FORMER SEPTIC TANK LOCATION – WEST AREA
GROUNDING CABLE

TETRA TECH EC, INC.



LEGEND:

- 12 — SAMPLE LOCATION
- GROUNDING ROD
- or — GROUNDING ROD WITH COVER
- FOOTING FOR LIGHTNING POLE
- CATCH BASIN
- MONITORING WELL
- LIMITS OF EXCAVATION

NOTES:

1. SAMPLE LOCATION "15" IS A LAB SAMPLE;
2. NO BOTTOM SAMPLES WERE COLLECTED BASED ON THE EXCAVATION DEPTH TERMINATED AT BEDROCK.
3. DIMENSIONS INDICATE ASPHALT CUT DISTANCES.

N

NOT TO SCALE

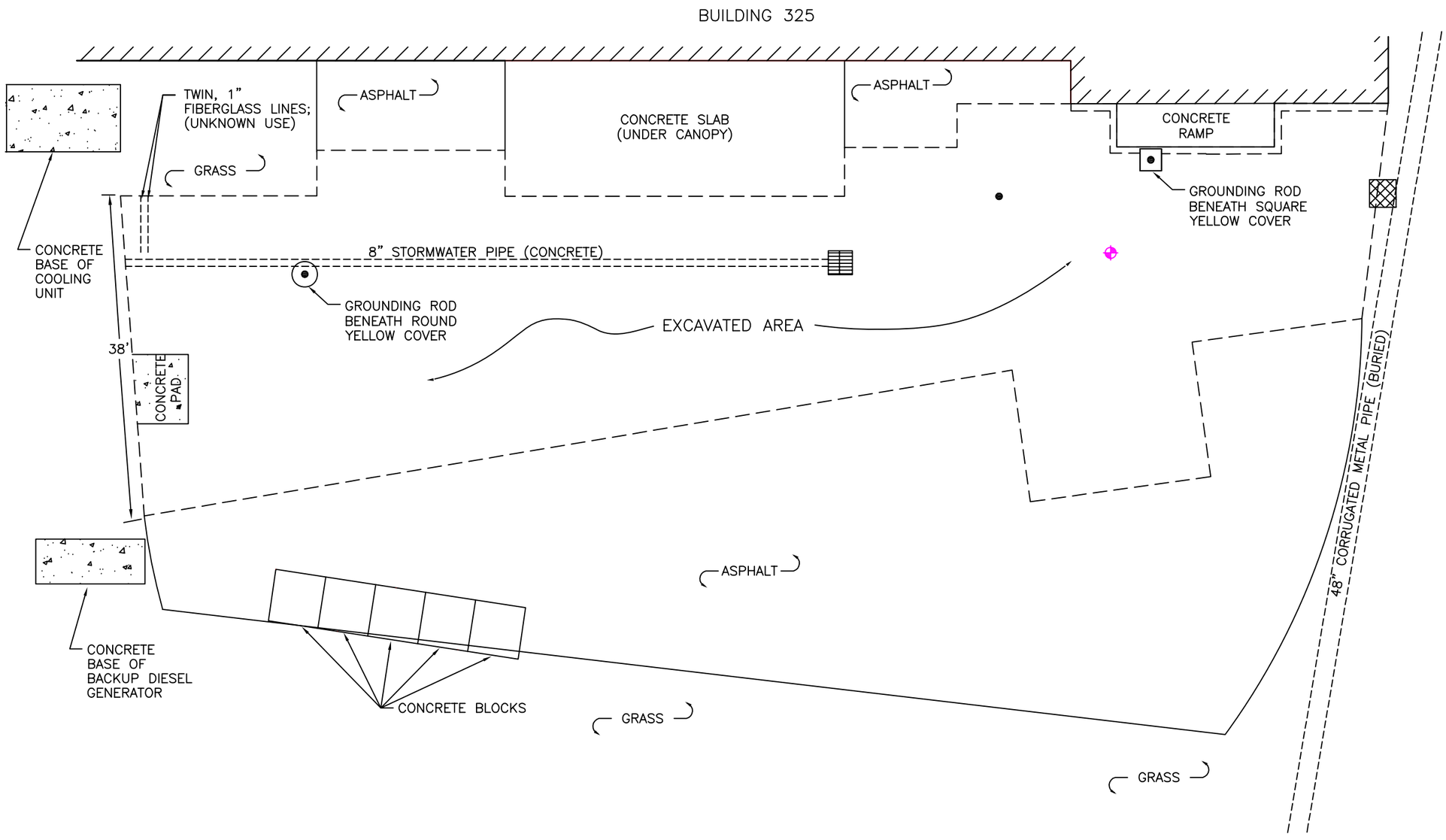
U.S. Navy RAC

Site 7 – Torpedo Shops, OU 8
Naval Submarine Base – New London
Groton, Connecticut

FIGURE 4
EXCAVATION SOUTH OF BUILDING 325
SAMPLE LOCATIONS

TETRA TECH EC, INC.

P:\Navy RAC\Groton\Work Plan 2004\SITE 8 SAMP LOCS.dwg, 12/28/2006 3:09:25 PM



LEGEND:

- GROUNDING ROD
- GROUNDING ROD WITH COVER (or)
- FOOTING FOR LIGHTNING POLE
- CATCH BASIN
- MONITORING WELL
- LIMITS OF EXCAVATION

N

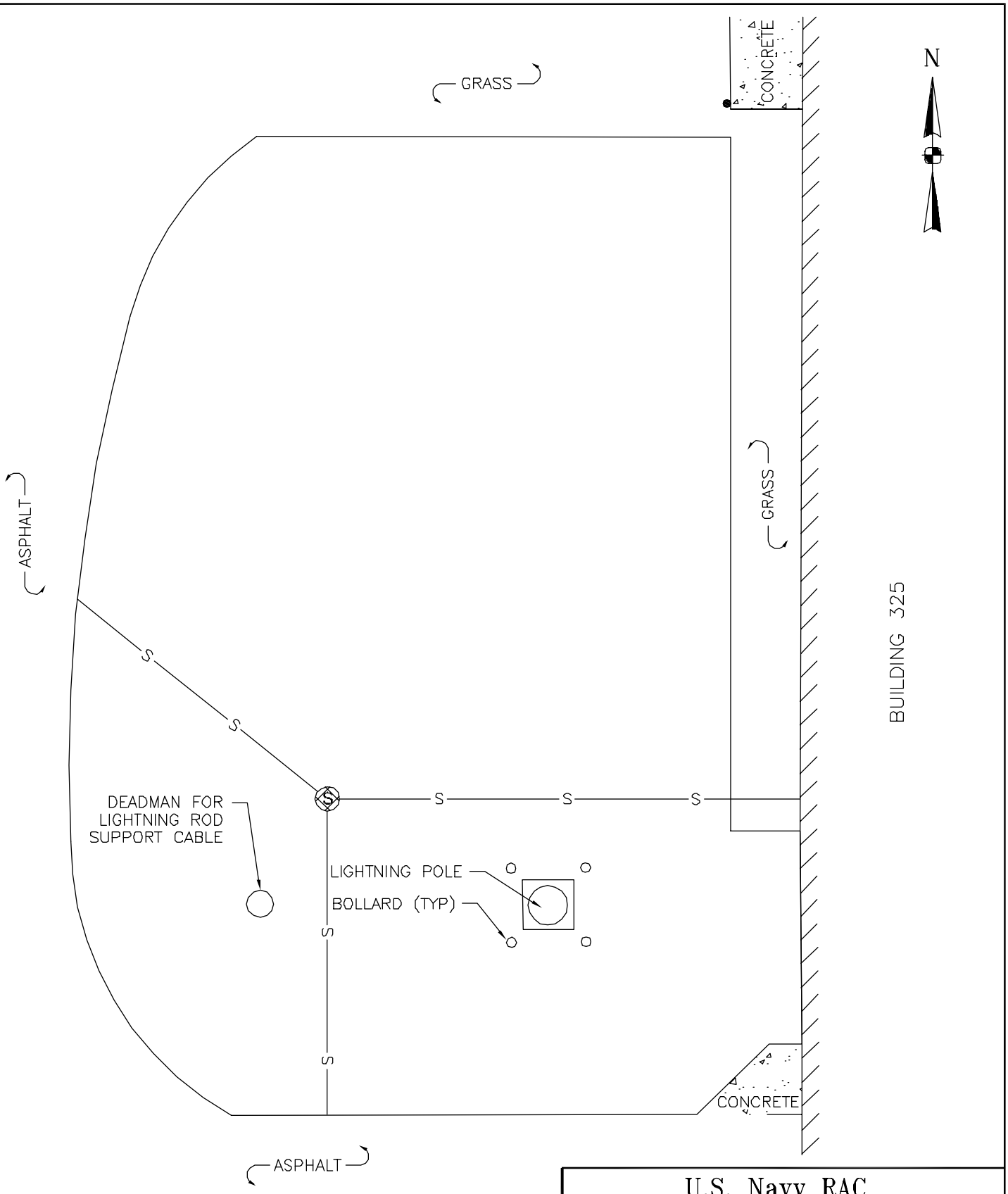
NOT TO SCALE

U.S. Navy RAC

Site 7 – Torpedo Shops, OU 8
Naval Submarine Base – New London
Groton, Connecticut

FIGURE 5
EXCAVATION SOUTH OF BUILDING 325
LIMITS OF EXCAVATION AND UTILITIES

TETRA TECH EC, INC.



LEGEND:

SEWER MANHOLE

SEWER LINE

SOURCE:

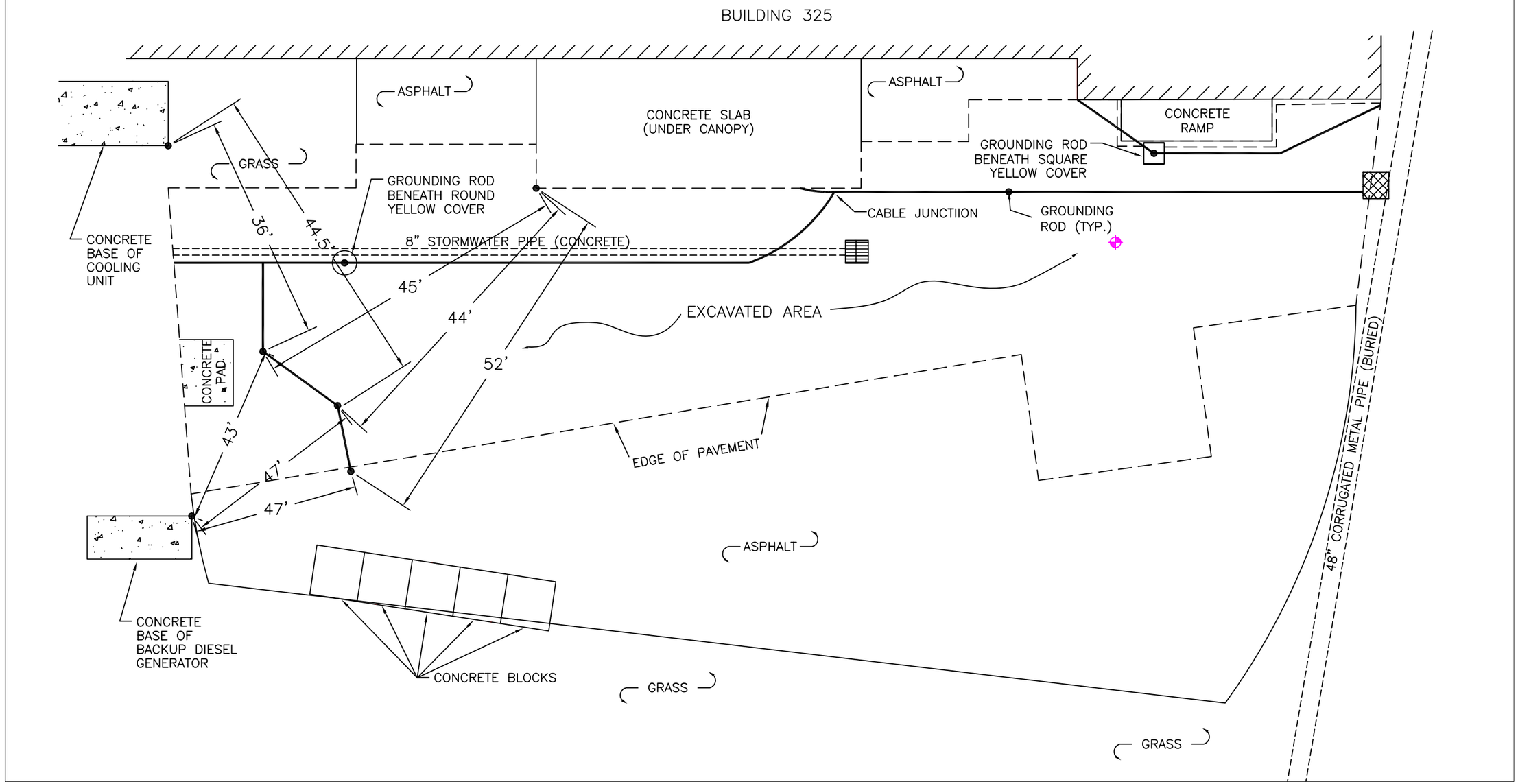
NOT TO SCALE

U.S. Navy RAC

Site 7 – Torpedo Shops, OU 8
Naval Submarine Base – New London
Groton, Connecticut

FIGURE 6
FORMER SEPTIC TANK LOCATION – WEST AREA
SURFACE FEATURES AND UTILITIES

TETRA TECH EC, INC.



LEGEND:

- GROUNDING ROD
- GROUNDING ROD WITH COVER (or)
- FOOTING FOR LIGHTNING ROD
- CATCH BASIN
- MONITORING WELL
- LIMITS OF EXCAVATION
- GROUNDING CABLE

N

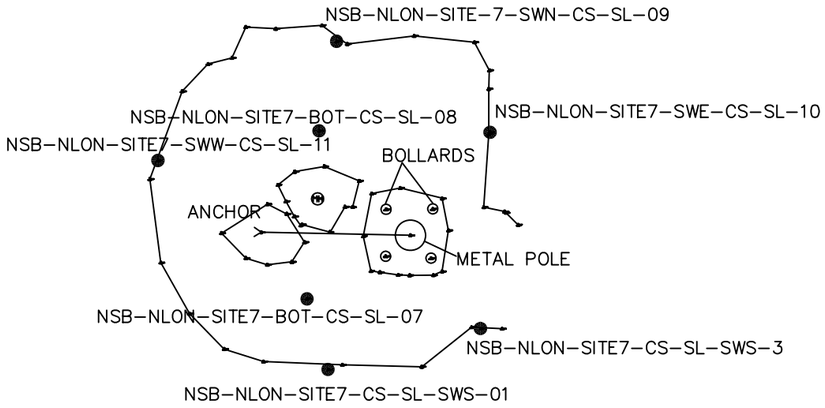
NOT TO SCALE

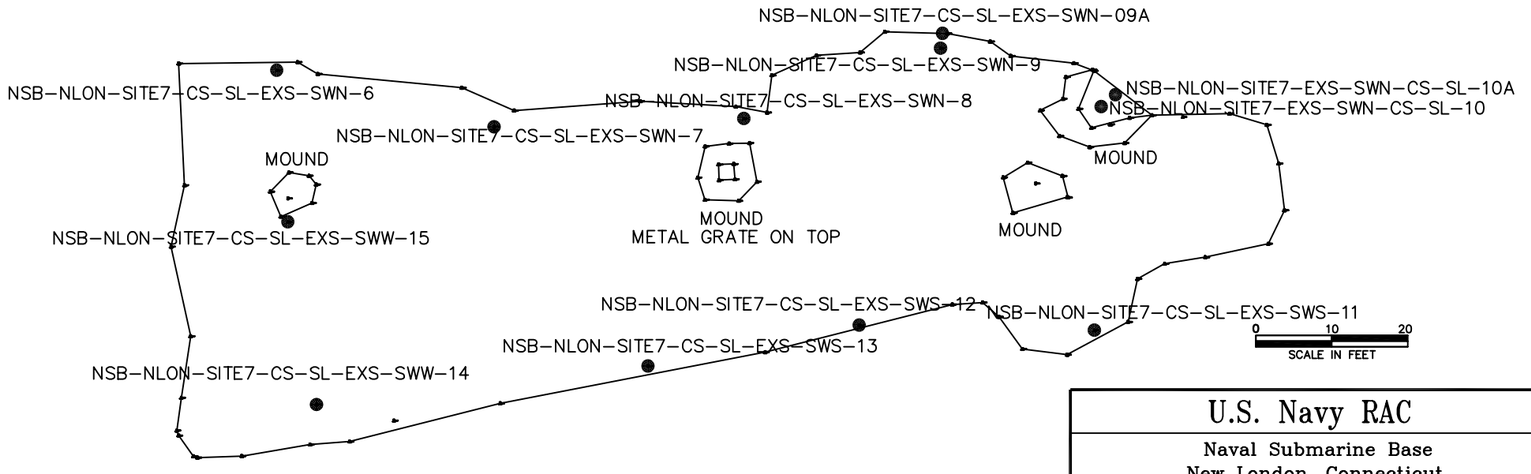
U.S. Navy RAC

Site 7 – Torpedo Shops, OU 8
Naval Submarine Base – New London
Groton, Connecticut

FIGURE 7
EXCAVATION SOUTH OF BUILDING 325
GROUNDING CABLE LAYOUT

TETRA TECH EC, INC.





Source:
Compass Engineering Group, LLC
Watertown, CT 06795
5-01-2006

U.S. Navy RAC

Naval Submarine Base
New London, Connecticut

Figure 8
Final Survey of Excavation Limits
and Sample Locations

TETRA TECHEC, INC.

P:\Navy RAC\Groton\Sub base\3378_TT.dwg, 12/28/2006 3:06:40 PM

Appendix A

Request for Permit to Excavate

REQUEST FOR PERMIT TO EXCAVATE

From: Rick Woodworth – Tetra Tech EC, Inc. Date: 2/15/06
To: Public Works Engineering Division

Subj.: REQUEST FOR EXCAVATION PERMIT PURSUANT TO: _____

1. Purpose of Excavation: Soil Excavation at the Torpedo Shops, Operable Unit 8 – Site 7
2. Time and Date of Excavation: March 6, 2006 8:00 am
3. Description of Excavation (Attach Sketch/Plan): Excavate and remove contaminated soil adjacent to Building 325.

See attached Site Figure 2.

4. Other Pertinent Information: _____

_____ Rick Woodworth – CTO Manager – 215-702-4049
Con. Rep/Eng. Tech. signature & phone # **Contractors signature, Title & phone #**

From: Public Works Engineering Division Date: / /
To: Rick Woodworth – Tetra Tech EC, Inc.

1. ☐ Approved, subject to completing "Other Actions Required" (see below).
2. ☐ Approved, subject to completing "Other Actions Required" and the following change(s): _____
3. ☐ Disapproved, due to the following reason(s): _____

Other Actions Required and Comments:

1. Call "Call Before You Dig" 1-800-922-4455
2. Contact a private line-locating professional to identify Navy owned telephone lines.
3. Is dig location in or near a **Subase Installation Restoration (IR)** site? (Yes☐ No☐)
   If "Yes", **STOP HERE**, you are required to contact the Subase Environmental Department IR Program Manager at 694-5191 for further information before continuing.
   - 3a. Preliminary **IR** Approval Attached & Validated within past year? (Yes☐ No☐)
     Signature by IR Program Manager required before continuing _____
   - 3b. **Return form to Engineering for final approval**
4. Is dig location in or near a **Subase RADCON** site? (Yes☐ No☐) Diving involved? (Yes☐ No☐)
   If "Yes", **STOP HERE**, you are required to contact the NRMD RADCON Engineer at 303-1462, 303-1463, 705-0730 or 908-3908 for further information before continuing.
   - 4a. Preliminary **RADCON** Approval Attached & Validated within past year? (Yes☐ No☐)
     Signature by NRMD RADCON Engineer required before continuing _____
   - 4b. **Return form to Engineering for final approval**
5. See attached plan(s) for location of existing utilities
6. **This Dig Permit and utility location drawing(s) must be on site during excavation**
7. **Additional Comments/Requirements:**

ALL DIGGING TO BE IN ACCORDANCE WITH ATTACHED SUBASE DIG PROCEDURES.

Civil/Arch. Branch Head Signature _____ Mech./Elec. Branch Head Signature _____

Jan. 2003
(Revised)

SUBASE Digging Procedures

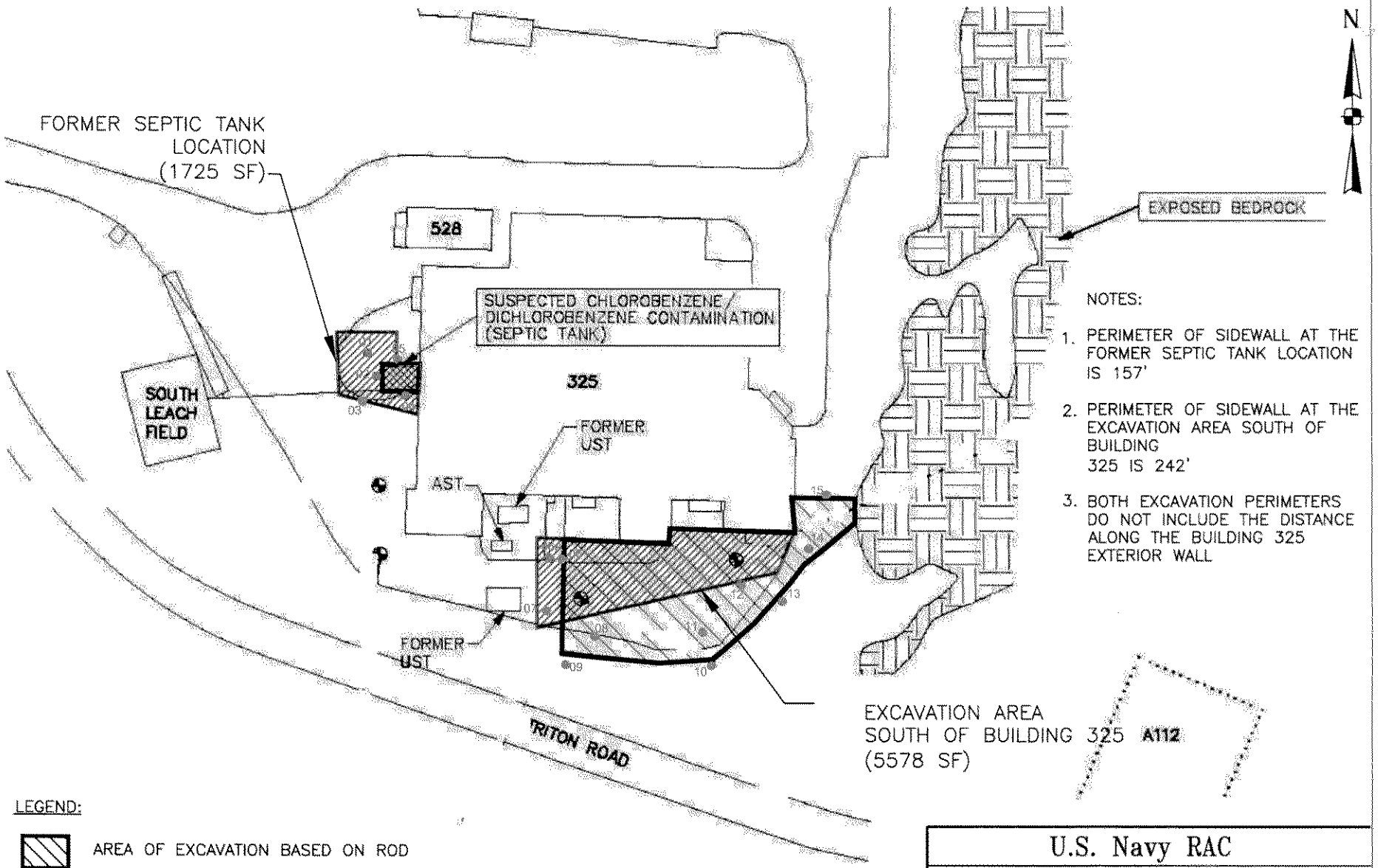
The signed copy of the dig permit including all enclosures must be at the site at all times when excavation is taking place. No excavation shall commence until all utilities are marked out. Any changes to the dig permit will require the approval of Public Works Engineering. If any known or marked utilities cannot be located, notify Public Works Engineering prior to beginning work in that area. In addition, if any unknown or unmarked utilities are found, notify Public Works Engineering prior to continuing on with any work in that area.

These precautions are intended to prevent damage to underground utility lines and to prevent personnel injury due to contact with energized wiring and pressurized piping. We have made every attempt to identify all known utilities in the area specified on the dig permit. Please be advised that drawing locations could be off location as much as ten feet due to as-built conditions, drawing scale, or inaccurate record data. Drawing location errors could also be substantially more than ten feet in some areas and therefore extreme caution must be taken when excavating in the vicinity of electrical, steam or gas lines. There is also the possibility that unidentified lines may be encountered during excavation. These lines should be considered energized until Public Works Engineering confirms the identity and the status of the lines. If unidentified buried concrete structures are encountered during excavation, it must be assumed that these could be energized concrete encased electrical duct banks and therefore work should cease until Public Works Engineering identifies the electrical structure.

Digging within two feet of known buried utility lines must be done by hand only. For work immediately adjacent to or for excavations exposing a utility or other buried obstruction, excavate by hand. Start hand excavation on each side of the indicated obstruction and continue until the obstruction is uncovered or until clearance for the new grade is assured. Movement of construction machinery and equipment over pipes and utilities shall be minimized and in any case shall be at the contractor's risk. Support uncovered lines or other existing work affected by the excavation until the Contracting Officer grants approval for backfill. Work adjacent to non-Government owned utilities shall be performed in accordance with procedures outlined by the utility company. Report damage to utility lines or subsurface construction immediately to the Contracting Officer.

Report all changes to design conditions and any errors identified on existing utility maps to Public Works Engineering. These as-built changes will be incorporated into the database to ensure that plotted locations of buried utilities are accurate.

IF YOU ARE A CONTRACTOR:
Please note that the people approving your dig permit are NOT contracting officers. They are not authorized to increase your contract scope or your reimbursement amount. If any requirements in this dig permit are perceived to exceed your contract requirements, do not proceed with the work until it is contractually resolved with your contracting officer.



SOURCE: Figure 2 of "Site 7 - Torpedo Shops and Site 14 - Overbank Disposal Area Northeast Soil - Operable Unit 8 Proposed Plan" (NSB-NLON, July 2004)

U.S. Navy RAC

Site 7 – Torpedo Shops, OU 8
Naval Submarine Base – New London
Groton, Connecticut

Figure 2
Limits of Excavation

TETRA TECH EC, INC.

Appendix B

Photographs

Photo No. 1
Property: West side of Building 325
Description: Grounding cable location

Photo No. 2
Property: West side of Building 325
Description: Grounding cable location

Photo No. 3
Property: West side of Building 325
Description: Grounding cable location

Photo No. 4
Property: West side of Building 325
Description: South side of excavation

Photo No. 5
Property: West side of Building 325
Description: Restoration

Photo No. 6
Property: West side of Building 325
Description: Restoration

Photo No. 7
Property: South side of Building 325
Description: Conditions Prior to Digging

Photo No. 8
Property: South side of Building 325
Description: East end of excavation

Photo No. 9
Property: South side of Building 325
Description: Grounding cable exposed.

Photo No. 10
Property: Building 325
Description: Soil stockpile

Photo No. 11
Property: Building 325
Description: Asphalt stockpile

Photo No. 12
Property: South side of Building 325
Description: Excavation showing groundwater and boulders

Photo No. 13
Property: South side of Building 325
Description: Northwest side excavation limits.

Photo No. 14
Property: South side of Building 325
Description: Grounding cables

Photo No. 15
Property: South side of Building 325
Description: Excavation partially backfilled

Property: South side of Building 325
Photo No. 16
Description: Backfilled/ prepped for paving

Photo No. 17
Property: South side of Building 325
Description: Restoration

Photo No. 18
Property: South side of Building 325
Description: Paving Operations

Photo No. 19
Property: South side of Building 325
Description: Paving operations

Photo No. 20
Property: South side of Building 325
Description: Paving completed

Appendix C

Transportation and Disposal Documentation

MTS Environmental
PO Box 359
Epsom, NH 03234

Invoice

Billing Inquiries (603) 798-4557

Invoice #: 32854
Invoice Date: 5/08/06

Bill To

MILL CITY ENVIRONMENTAL
116 JOHN STREET
LOWELL MA 01852

Service Address
20:1107:4 & 5
ATTN: JACK ROURKE
CRYSTAL LAKE ROAD
GROTON CT
Cust#: AK- 244 4

Please detach here & include with your payment. THANK YOU $ _____ Amount Enclosed

MTS ENVIRONMENTAL AK

Date	Description	Qty	Rate	Total
5/05/06	TO AMREC			
5/05/06	DISPOSAL & TRANSPORTATION	27.55	26.500	730.08
5/05/06	TO SOUTHBRIDGE			
5/05/06	DISPOSAL & TRANSPORTATION	339.41	31.500	10,691.42

Cust#: AK- 244 4 Inv#: 32854 Please pay INVOICE TOTAL 11421.50

Service Address: 20:1107:4 & 5

To the extent allowed by law, finance charge will be charged on all balances over 30 days. PAYMENT DUE WITHIN 30 DAYS FROM INVOICE DATE.

FORM NO. 177-433

AMERICAN RECLAMATION CORP.

130 STURBRIDGE ROAD
CHARLTON,MA 01507

Ticket No : 77771
Date : 5/2/2006

Customer: MTS
MTS
P.O. Box 359

Epsom,NH 03234

RECYCLED PRODUCTS CONTAIN REGULATED RECYCLABLE MATERIALS

Order No :

05-5
RUB1 RUBBLE NO BAR

Gross : 92240 Scale 2 In 2:23:51PM
Tare : 37140 Scale 2 Out 2:39:17PM

Net : 55100 lb
27.550

Weigh Master: SC

Driver: Darryl

Remarks: Groton, CT Sub Base

Material $
Delvry $
Misc $
Tax $

Total $

FROM :MTS ENVIRONMENTAL FAX NO. :6037984701 May. 12 2006 09:48AM P4

DEP Report

Casella Waste Services Southbridge LF
Customer Profile Detail Report
Transactions from 05/01/2006 through 05/04/2006
Third Party and Intercompany Customers
Recycle and Disposal Waste
Inbound and Outbound Tickets

05/04/2006 13:59 FAX

Customer	Ticket	Material	Gross	Tare	Net	Tons	Transporter	Approval	Job#	Date	Test Freq	Generator
LF00066 (MTS)												
	55940	IC CONTAMINATE	89,440	33,840	55,600	27.80	NA		AP04060	5/2/2006	ANN	NON APPLI
	55942	IC CONTAMINATE	78,920	37,360	41,560	20.78	NA		AP04060	5/2/2006	ANN	NON APPLI
	56000	IC CONTAMINATE	90,360	33,840	56,520	28.26	NA		AP04060	5/2/2006	ANN	NON APPLI
	56003	IC CONTAMINATE	86,180	36,020	50,160	25.08	NA		AP04060	5/2/2006	ANN	NON APPLI
	56007	IC CONTAMINATE	88,200	34,700	53,500	26.75	NA		AP04060	5/2/2006	ANN	NON APPLI
	56008	IC CONTAMINATE	86,960	38,740	48,220	24.11	NA		AP04060	5/2/2006	ANN	NON APPLI
	56015	IC CONTAMINATE	86,100	36,020	50,080	25.04	NA		AP04060	5/2/2006	ANN	NON APPLI
	56018	IC CONTAMINATE	82,980	37,020	45,960	22.98	NA		AP04060	5/2/2006	ANN	NON APPLI
	56046	IC CONTAMINATE	83,160	35,880	47,280	23.64	NA		AP04060	5/2/2006	ANN	NON APPLI
	56101	IC CONTAMINATE	93,040	36,200	56,840	28.42	NA		AP04060	5/3/2006	ANN	NON APPLI
	56134	IC CONTAMINATE	94,020	36,200	57,820	28.91	NA		AP04060	5/3/2006	ANN	NON APPLI
	56162	IC CONTAMINATE	86,660	36,200	50,460	25.23	NA		AP04060	5/3/2006	ANN	NON APPLI
	56196	IC CONTAMINATE	101,020	36,200	64,820	32.41	NA		AP04060	5/3/2006	ANN	NON APPLI
Totals for LF00066 (MTS)						339.41						
13 Line Items and 13 Tickets												
Report Grand Totals						339.41						
13 Line Items and 13 Tickets												

RptCstPrfl.rpt

002/002

05/08/2008 12:53 FAX 508 248 4911 AMREC 002

AMERICAN RECLAMATION CORP.

130 STURBRIDGE ROAD
CHARLTON,MA 01507

Ticket No : 77771
Date : 5/2/2006

Customer: MTS
MTS
P.O. Box 359

Epsom,NH 03234

RECYCLED PRODUCTS CONTAIN REGULATED RECYCLABLE MATERIALS

Order No :

05-5
RUB1 RUBBLE NO BAR

Gross : 92240 Scale 2 In 2:23:51PM
Tare : 37140 Scale 2 Out 2:39:17PM

Net : 55100 lb
27.550

Weigh Master: SC

Driver: Darryl

Remarks: Groton, CT Sub Base

Material $
Delvry $
Misc $
Tax $

Total $

Casella Waste Services Southbridge LF
A Division of Casella Waste Systems, Inc.
165 Barefoot Rd SouthBridge MA 01550
P: (508)765-9976 F: (508)763-2752

TICKET: 55940
DATE: 05/02/2006
TIME: 08:41 - 08:41

CUSTOMER: LF00066 / MTS
HAULCUST:
ORIGIN: GROT / GROTON
TRUCK: NEW SALEM
GENERATOR: NA / NON APPLICABLE
HAULER: NA / NON APPLICABLE
COMMENT:

WO#: 0 APPROVAL #:
TRAILER:
PROFILE #: AP0406028
ROUTE: NA / NON APPLICABLE

P.O.:
GROSS: 89440 LBS
TARE: 33840 LBS
NET: 55600 LBS

CELL/TANK: 7

MATERIAL	QUANTITY	UNIT
ICOS / IC CONTAMINATED SOIL	27.8000	ST

To the best of my knowledge, the materia delivered to this site ar not hazardous, asbesto containing, or unaccep able waste. I certify, under the penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

IN: JMR B: PCSCALE_STH OUT: JMR B: PCSCALE_STH

Scalemaster: _____ Driver: _____

Casella Waste Services Southbridge LF
A Division of Casella Waste Systems Inc.
165 Barefoot Rd SouthBridge MA 01550
V: (508)765-9976 F: (508)765-2762

TICKET: 55942
DATE: 05/02/2006
TIME: 08:43 - 08:43

CUSTOMER: LF00066 / MTS
HAULCUST:
ORIGIN: GROT / GROTON
TRUCK: GOUL 03-3
GENERATOR: NA / NON APPLICABLE
HAULER: NA / NON APPLICABLE
COMMENT:

WO: 0
APPROVAL #:
TRAILER:
PROFILE #: AP040602B
ROUTE: NA / NON APPLICABLE

P.O.:
GROSS: 78920 LBS
TARE: 37360 LBS
NET: 41560 LBS
CELL/TANK: 7

MATERIAL	QUANTITY	UNIT
ICCS / IC CONTAMINATED SOIL	20.7800	ST

To the best of my knowledge, the materia delivered to this site are not hazardous, asbestc containing, or unacceptable waste. I certify, under the penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

In: JMR B: PCSCALE_STH Out: JMR B: PCSCALE_STH

Scalemaster: _____ Driver: _____

Casella Waste Services Southbridge LF
A Division of Casella Waste Systems Inc.
165 Barefoot Rd SouthBridge MA 01550
V: (508)765-9976 F: (508)765-2752

TICKET: 56000
DATE: 05/02/2006
TIME: 12:21 - 12:22

CUSTOMER: LF00066 / MTS
HAULCUST:
ORIGIN: GROT / GROTON
TRUCK: NEW SALEM
GENERATOR: NA / NON APPLICABLE
HAULER: NA / NON APPLICABLE
COMMENT:

WO#: 0 APPROVAL #:
TRAILER:
PROFILE #: AP040602B
ROUTE: NA / NON APPLICABLE

P.O.:
GROSS: 90360 LBS
TARE: 33840 LBS
NET: 56520 LBS
CELL/TANK: 7

MATERIAL	QUANTITY	UNIT
ICCS / IC CONTAMINATED SOIL	28.2600	ST

To the best of my knowledge, the materia delivered to this site are not hazardous, asbesto containing, or unacceptable waste. I certify, under the penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Scalemaster: _____ B: PCSCALE_STH OUT: JMR B: PCSCALE_STH Driver: _____

Casella Waste Services Southbridge LF
A Division of Casella Waste Systems,Inc.
165 Barefoot Rd SouthBridge,MA 01550
V: (508)765-9976 F: (508)765-2752

TICKET: 56003
DATE: 05/02/2006
TIME: 12:38 - 12:39

CUSTOMER: LF00066 / MTS
HAULCUST:
ORIGIN: GROT / GROTON
TRUCK: COUL 034
GENERATOR: NA / NON APPLICABLE
HAULER: NA / NON APPLICABLE
COMMENT:

WO: 0 APPROVAL #:
TRAILER:
PROFILE #: AP040602B
ROUTE: NA / NON APPLICABLE

P.O.:
GROSS: 86180 LBS
TARE: 36020 LBS
NET: 50160 LBS
CELL/TANK: 7

MATERIAL	QUANTITY	UNIT
ICCS / IC CONTAMINATED SOIL	25.0800	ST

To the best of my knowledge, the material delivered to this site are not hazardous, asbesto containing, or unacceptable waste. I certify, under the penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

IN: JMR B: PCSCALE_STH OUT: JMR B: PCSCALE_STH

Scalemaster: _____ Driver: _____

Casella Waste Services Southbridge LF
A Division of Casella Waste Systems Inc.
165 Barefoot Rd SouthBridge MA 01550
V: (508)765-9976 F: (508)765-2752

TICKET: 56007
DATE: 05/02/2006
TIME: 12:52 - 12:52

CUSTOMER: LF00066 / MTS
HAULCUST:
ORIGIN: GROT / GROTON
TRUCK: GOUL 033
GENERATOR: NA / NON APPLICABLE
HAULER: NA / NON APPLICABLE
COMMENT:

WO: 0
APPROVAL #:
TRAILER:
PROFILE #: AP040602B
ROUTE: NA / NON APPLICABLE

P.O.:
GROSS: 88200 LBS
TARE: 34700 LBS
NET: 53500 LBS
CELL/TANK: 7

MATERIAL	QUANTITY	UNIT
ICCS / IC CONTAMINATED SOIL	26.7500	ST

To the best of my knowledge, the materia delivered to this site are not hazardous, asbesto containing, or unaccept able waste. I certify, under the penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

IN: JMR B: PCSCALE_STH OUT: JMR B: PCSCALE_STH

Scalemaster: _____ Driver: _____

Casella Waste Services Southbridge LF
A Division of Casella Waste Systems Inc.
165 Barefoot Rd SouthBridge MA 01550
V: (508)765-9976 F: (508)765-2762

TICKET: 56008
DATE: 05/02/2006
TIME: 12:55 - 12:55

CUSTOMER: LF00066 / MTS
HAULCUST:
ORIGIN: GROT / GROTON
TRUCK: GOUL 064
GENERATOR: NA / NON APPLICABLE
HAULER: NA / NON APPLICABLE
COMMENT:

WO#: 0
APPROVAL #:
TRAILER:
PROFILE #: AP040602B
ROUTE: NA / NON APPLICABLE

P.O.:
GROSS: 86960 LBS
TARE: 38740 LBS
NET: 48220 LBS
CELL/TANK: 7

MATERIAL	QUANTITY	UNIT
ICCS / IC CONTAMINATED SOIL	24.1100	ST

To the best of my knowledge, the materia delivered to this site are not hazardous, asbesto containing, or unacceptable waste. I certify, under the penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

IN: JMR ET: SCALE_STH OUT: JMR B: SCALE_STH

Scalemaster: Charles Cluff Driver:

Casella Waste Services Southbridge LF — TICKET: 56015
A Division of Casella Waste Systems Inc. — DATE: 05/02/2006
165 Barefoot Rd SouthBridge MA 01550 — TIME: 13:07 ~ 13:07
V: (508)765-9976 F: (508)765-2752

CUSTOMER: LF00066 / MTS — P.O.:
HAULCUST: — WO: 0 — APPROVAL #: — GROSS: 86100 LBS
ORIGIN: GROT / GROTON — TARE: 36020 LBS
TRUCK: GOUL 44 — TRAILER: — NET: 50080 LBS
GENERATOR: NA / NON APPLICABLE — PROFILE #: AP040602B
HAULER: NA / NON APPLICABLE — ROUTE: NA / NON APPLICABLE
COMMENT: — CELL/TANK: 7

MATERIAL	QUANTITY	UNIT
ICCS / IC CONTAMINATED SOIL	25.0400	ST

To the best of my knowledge, the materia delivered to this site are not hazardous, asbesto containing, or unaccept able waste. I certify, under the penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

IN: JMR — B: PCSCALE_STH — OUT: JMR — B: PCSCALE_STH

Scalemaster: _____ Driver: _____

Casella Waste Services Southbridge LF
A Division of Casella Waste Systems Inc.
165 Barefoot Rd SouthBridge MA 01550
V: (508)765-9976 F: (508)765-2752

TICKET: 56018
DATE: 05/02/2006
TIME: 13:10 - 13:11

CUSTOMER: LF00066 / MTS
HAULCUST:
ORIGIN: GROT / GROTON
TRUCK: GOUL 001
GENERATOR: NA / NON APPLICABLE
HAULER: NA / NON APPLICABLE
COMMENT:

WO: 0 APPROVAL #:
TRAILER:
PROFILE #: AP040602B
ROUTE: NA / NON APPLICABLE

P.O.:
GROSS: 82980 LBS
TARE: 37020 LBS
NET: 45960 LBS
CELL/TANK: 7

MATERIAL	QUANTITY	UNIT
ICCS / IC CONTAMINATED SOIL	22.9800	ST

To the best of my knowledge, the material delivered to this site are not hazardous, asbestos containing, or unacceptable waste. I certify, under the penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

IN: JMR P: POSCALE_STH OUT: JMR B: POSCALE_STH

Scalemaster: _____ Driver: Eric Russell

Casella Waste Services Southbridge LF
A Division of Casella Waste Systems Inc.
163 Barefoot Rd SouthBridge MA 01550
T: (508)765-9976 F: (508)765-2752

TICKET: 56046
DATE: 05/02/2006
TIME: 14:47 - 14:47

CUSTOMER: LF00066 / MTS P.O.:
HAULCUST: WO: 0 APPROVAL #: GROSS: 83160 LBS
ORIGIN: GROT / GROTON TARE: 35880 LBS
TRUCK: GOUL 062 TRAILER: NET: 47280 LBS
GENERATOR: NA / NON APPLICABLE PROFILE #: AP040602B
HAULER: NA / NON APPLICABLE ROUTE: NA / NON APPLICABLE
COMMENT: CELL/TANK: 7

MATERIAL	QUANTITY	UNIT
IOCS / IC CONTAMINATED SOIL	23.6400	ST

To the best of my knowledge, the materia delivered to this site are not hazardous, asbesto containing, or unacceptable waste. I certify, under the penalty of perjury that the information provided is true and correcto the best of my knowledge and belief.

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Scalemaster: IN: B: PCSCALE_STH OUT: JMR B: PCSCALE_STH Driver:

Casella Waste Services Southbridge LF
A Division of Casella Waste Systems Inc.
165 Barefoot Rd SouthBridge MA 01550
V: (508)765-9976 F: (508)765-2752

TICKET: 56101
DATE: 05/03/2006
TIME: 08:12 - 08:12

CUSTOMER: LF00066 / MTS
HAULCUST:
ORIGIN: GROT / GROTON
TRUCK: GOUL 051
GENERATOR: NA / NON APPLICABLE
HAULER: NA / NON APPLICABLE
COMMENT:

WO: 0
APPROVAL #:
TRAILER:
PROFILE #: AP040602B
ROUTE: NA / NON APPLICABLE

P.O.:
GROSS: 93040 LBS
TARE: 36200 LBS
NET: 56840 LBS
CELL/TANK: 7

MATERIAL	QUANTITY	UNIT
ICCS / IC CONTAMINATED SOIL	28.4200	ST

To the best of my knowledge, the material delivered to this site are not hazardous, asbestos containing, or unacceptable waste. I certify, under the penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Scalemaster: _____ IN: JMR B: SCALE_STH OUT: JMR B: SCALE_STH Driver: _____

Casella Waste Services Southbridge LF — TICKET: 56134
A Division of Casella Waste Systems Inc. — DATE: 05/03/2006
165 Barefoot Rd SouthBridge MA 01550 — TIME: 10:10 - 10:10
P: (508)765-9976 F: (508)765-2752

CUSTOMER: LF00066 / MTS — P.O.:
HAULCUST: WO: 0 APPROVAL #: GROSS: 94020 LBS
ORIGIN: GROT / GROTON — TARE: 36200 LBS
TRUCK: GOUL 055 TRAILER: NET: 57820 LBS
GENERATOR: NA / NON APPLICABLE PROFILE #: AP040602B
HAULER: NA / NON APPLICABLE ROUTE: NA / NON APPLICABLE
COMMENT: CELL/TANK: 7

MATERIAL	QUANTITY	UNIT
ICCS / IC CONTAMINATED SOIL	28.9100	ST

To the best of my knowledge, the materia delivered to this site are not hazardous, asbesto containing, or unacceptable waste. I certify, under the penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Scalemaster: _____ IN: B: PSCALE_STH OUT: JMR B: PSCALE_STH Driver: Darryl

Casella Waste Services Southbridge LF
A Division of Casella Waste Systems Inc.
165 Barefoot Rd SouthBridge MA 01550
P: (508)765-9976 F: (508)765-2752

TICKET: 56162
DATE: 05/03/2006
TIME: 12:06 - 12:05

CUSTOMER: LF00066 / MTS
HAULCUST: WO: 0 APPROVAL #: P.O.:
ORIGIN: GROT / GROTON GROSS: 86660 LBS
TRUCK: GOUL 051 TRAILER: TARE: 36200 LBS
GENERATOR: NA / NON APPLICABLE PROFILE #: AP040602B NET: 50460 LBS
HAULER: NA / NON APPLICABLE ROUTE: NA / NON APPLICABLE
COMMENT: CELL/TANK: 7

MATERIAL	QUANTITY	UNIT
ICCS / IC CONTAMINATED SOIL	25.2300	ST

To the best of my knowledge, the materia delivered to this site are not hazardous, asbesto containing, or unacceptable waste. I certify, under the penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Scalemaster: IN: JMR B: PCSCALE_STH OUT: JMR B: PCSCALE_STH Driver:

Disposal and Transportation of Non Haz Soil and Asphalt
US Navy Submarine Base, Groton, CT
Summary Sheet

Mill City Environmental

PO#	059706:77554
MCE Job#	MCE 331

	Non Haz Soil	Asphalt
3/29/2006		123.55
4/12/2006		23.33
4/17/2006	469.46	
4/18/2006	328.32	
Totals:	**797.78**	**146.88**
Approved	**1850.00**	**200.00**
Completed	**43%**	**73%**

Mill City Environmental

PO# 059706:77554
MCE Job# MCE 331

Disposal and Transportation of Non Haz Soil and Asphalt
US Navy Submarine Base, Groton, CT

Date	Ticket#	Tonnage	Type
4/12/2006	1156	23.33	Asphalt
4/17/2006	54482	25.60	Non Haz Soil
4/17/2006	54489	27.25	Non Haz Soil
4/17/2006	54481	22.99	Non Haz Soil
4/17/2006	54480	23.94	Non Haz Soil
4/17/2006	54475	25.16	Non Haz Soil
4/17/2006	54472	34.39	Non Haz Soil
4/17/2006	54470	30.54	Non Haz Soil
4/17/2006	54469	28.65	Non Haz Soil
4/17/2006	54466	24.82	Non Haz Soil
4/17/2006	54465	23.95	Non Haz Soil
4/17/2006	54455	26.87	Non Haz Soil
4/17/2006	54428	24.57	Non Haz Soil
4/17/2006	54416	35.17	Non Haz Soil
4/17/2006	54427	24.83	Non Haz Soil
4/17/2006	54410	26.77	Non Haz Soil
4/17/2006	54409	29.76	Non Haz Soil
4/17/2006	54415	34.20	Non Haz Soil
Totals:		**492.79**	

Date	Ticket#	Tonnage	Type
4/18/2006	54523	26.72	Non Haz Soil
4/18/2006	54521	28.87	Non Haz Soil
4/18/2006	54522	30.95	Non Haz Soil
4/18/2006	54537	23.40	Non Haz Soil
4/18/2006	54538	25.26	Non Haz Soil
4/18/2006	54542	26.28	Non Haz Soil
4/18/2006	54546	23.32	Non Haz Soil
4/18/2006	54547	23.61	Non Haz Soil
4/18/2006	54582	22.31	Non Haz Soil
4/18/2006	54584	24.95	Non Haz Soil
4/18/2006	54589	26.22	Non Haz Soil
4/18/2006	54594	22.68	Non Haz Soil
4/18/2006	54596	23.75	Non Haz Soil
Totals:		**328.32**	

AMERICAN RECLAMATION CORP.

130 STURBRIDGE ROAD
CHARLTON,MA 01507

Ticket No : 77556
Date : 4/12/2006

Customer: MTS
MTS
P.O. Box 359

Epsom,NH 03234

RECYCLED PRODUCTS CONTAIN
REGULATED RECYCLABLE MATERIALS

Order No :

G05-5
RUBE REBAR AND OR MESH

Gross : 83640 Scale 2 In 1:04:19PM
Tare : 36980 Scale 2 Out 1:18:13PM

Net : 46660 lb
23.330

Weigh Master: SC

Driver: Daryl

$5.00/Ton

Remarks: Groton, CT US Navy Submarine Base
Asphalt With A few pieces of Concrete
Goulet Trucking

Material $
Delvry $
Misc $
Tax $

Total $

Casella Waste Services Southbridge LF
A Division of Casella Waste Systems Inc.
165 Barefoot Rd SouthBridge MA 01550
P: (508)765-9976 F: (508)765-2752

TICKET: 54523
DATE: 04/10/2006
TIME: 07:24 -- 07:25

CUSTOMER: LF00066 / MTS
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: GROT / GROTON
TRUCK: GOUL 026 TRAILER:
GENERATOR: NA / NON APPLICABLE PROFILE #: APP040602
HAULER: NA / NON APPLICABLE ROUTE: NA / NON APPLICABLE
COMMENT:

P.O.:
GROSS: 90720 LBS
TARE: 37280 LBS
NET: 53440 LBS
CELL/TANK: 7

MATERIAL	QUANTITY	UNIT
ICCS / IC CONTAMINATED SOIL	26.7200	ST

To the best of my knowledge, the materia delivered to this site ar not hazardous, asbesto containing, or unaccep able waste. I certify, under the penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

IN: JMR B: POSCALE_STH OUT: JMR B: POSCALE_STH

Scalemaster: _____ Driver: _____

Casella Waste Services Southbridge LF
A Division of Casella Waste Systess Inc.
165 Barefoot Rd SouthBridge MA 01550
V: (508)765-9976 F: (508)765-2752

TICKET: 54521
DATE: 04/18/2006
TIME: 07:18 - 07:18

CUSTOMER: LF00066 / MTS
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: GROT / GROTON
TRUCK: GOUL 029 TRAILER:
GENERATOR: NA / NON APPLICABLE PROFILE #: APP040602
HAULER: NA / NON APPLICABLE ROUTE: NA / NON APPLICABLE
COMMENT:

P.O.:
GROSS: 93760 LBS
TARE: 36020 LBS
NET: 57740 LBS
CELL/TANK: 7

MATERIAL	QUANTITY	UNIT
ICCS / IC CONTAMINATED SOIL	28.8700	ST

To the best of my knowledge, the materia delivered to this site ar not hazardous, asbesto containing, or unaccep able waste. I certify, under the penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

IN: JMR B: PCSCALE_STH OUT: JMR B: PCSCALE_STH

Scalemaster: _____ Driver: _____

Casella Waste Services Southbridge LF
A Division of Casella Waste Systems Inc.
165 Barefoot Rd SouthBridge MA 01550
V: (508)765-9976 F: (508)765-2752

TICKET: 54522
DATE: 04/18/2006
TIME: 07:21 - 07:21

CUSTOMER: LF00066 / MTS
HAULCUST:
ORIGIN: GROT / GROTON
TRUCK: GOUL 023
GENERATOR: NA / NON APPLICABLE
HAULER: NA / NON APPLICABLE
COMMENT:

WO: 0 APPROVAL #:
TRAILER:
PROFILE #: APP040602
ROUTE: NA / NON APPLICABLE

P.O.:
GROSS: 97780 LBS
TARE: 35880 LBS
NET: 61900 LBS
CELL/TANK: 7

MATERIAL	QUANTITY	UNIT
ICCS / IC CONTAMINATED SOIL	30.9500	ST

To the best of my knowledge, the materia delivered to this site are not hazardous, asbesto containing, or unaccept able waste. I certify, under the penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

IN: JMR B: PSCALE_STH OUT: JMR B: PSCALE_STH

Scalemaster: _____ Driver: _____

Casella Waste Services Southbridge LF
A Division of Casella Waste Systems Inc.
165 Barefoot Rd SouthBridge MA 01550
V: (508)765-9976 F: (508)765-2752

TICKET: 54537
DATE: 04/18/2006
TIME: 08:17 - 08:17

CUSTOMER: LF00066 / MTS P.O.:
HAULCUST: WO: 0 APPROVAL #: GROSS: 82820 LBS
ORIGIN: GROT / GROTON TARE: 36020 LBS
TRUCK: GOUL 012 TRAILER: NET: 46800 LBS
GENERATOR: NA / NON APPLICABLE PROFILE #: APP040602
HAULER: NA / NON APPLICABLE ROUTE: NA / NON APPLICABLE
COMMENT: CELL/TANK: 7

MATERIAL	QUANTITY	UNIT
ICCS / IC CONTAMINATED SOIL	23.4000	ST

To the best of my knowledge, the materia delivered to this site are not hazardous, asbesto containing, or unaccept able waste. I certify, under the penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

IN: JMR B: PCSCALE_STH OUT: JMR B: PCSCALE_STH

Scalemaster: _____ Driver: Eric Doucett

Casella Waste Services Southbridge LF
A Division of Casella Waste Systems Inc.
165 Barefoot Rd SouthBridge MA 01550
V: (508)765-9976 F: (508)765-2752

TICKET: 54538
DATE: 04/18/2006
TIME: 08:19 - 08:19

CUSTOMER: LF00066 / MTS P.O.:
HAULCUST: WO: 0 APPROVAL #: GROSS: 87880 LBS
ORIGIN: GROT / GROTON TARE: 37360 LBS
TRUCK: GOUL 033 TRAILER: NET: 50520 LBS
GENERATOR: NA / NON APPLICABLE PROFILE #: APP040602
HAULER: NA / NON APPLICABLE ROUTE: NA / NON APPLICABLE
COMMENT: CELL/TANK: 7

MATERIAL	QUANTITY	UNIT
ICCS / IC CONTAMINATED SOIL	25.2600	ST

To the best of my knowledge, the materia delivered to this site are not hazardous, asbestc containing, or unacceptable waste. I certify, under the penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Scalemaster: _____ IN: JMR B: PCSCALE_STH OUT: JMR B: PCSCALE_STH Driver: _____

Casella Waste Services Southbridge LF
A Division of Casella Waste Systems Inc.
165 Barefoot Rd SouthBridge MA 01550
V: (508)765-9976 F: (508)765-2752

TICKET: 54542
DATE: 04/18/2006
TIME: 08:40 - 08:40

CUSTOMER: LF00066 / MTS
HAULCUST:
ORIGIN: GROT / GROTON
TRUCK: GOUL 99-3
GENERATOR: NA / NON APPLICABLE
HAULER: NA / NON APPLICABLE
COMMENT:

WO: 0 APPROVAL #:
TRAILER:
PROFILE #: APP040602
ROUTE: NA / NON APPLICABLE

P.O.:
GROSS: 89080 LBS
TARE: 36520 LBS
NET: 52560 LBS
CELL/TANK: 7

MATERIAL	QUANTITY	UNIT
ICCG / IC CONTAMINATED SOIL	26.2800	ST

To the best of my knowledge, the material delivered to this site are not hazardous, asbesto containing, or unacceptable waste. I certify, under the penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

IN: JMR B: PCSCALE_STH OUT: JMR B: PCSCALE_STH

Scalemaster: _____ Driver: _____

Casella Waste Services Southbridge LF
A Division of Casella Waste Systems Inc.
165 Barefoot Rd SouthBridge MA 01550
V: (508)765-9976 F: (508)765-2752

TICKET: 54546
DATE: 04/18/2006
TIME: 09:06 - 09:06

CUSTOMER: LF00066 / MTS P.O.:
HAULCUST: WO: 0 APPROVAL #: GROSS: 82960 LBS
ORIGIN: GROT / GROTON TARE: 36320 LBS
TRUCK: LAROCH TRAILER: NET: 46640 LBS
GENERATOR: NA / NON APPLICABLE PROFILE #: APP040602
HAULER: NA / NON APPLICABLE ROUTE: NA / NON APPLICABLE
COMMENT: CELL/TANK: 7

MATERIAL	QUANTITY	UNIT
ICCS / IC CONTAMINATED SOIL	23.3200	ST

To the best of my knowledge, the materia delivered to this site are not hazardous, asbesto containing, or unacceptable waste. I certify, under the penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Scalemaster: IN: JMR B: PCSCALE_STH OUT: JMR B: PCSCALE_STH Driver:

Casella Waste Services Southbridge LF
A Division of Casella Waste Systems Inc.
165 Barefoot Rd SouthBridge MA 01550
V: (508)765-9976 F: (508)765-2752

TICKET: 54547
DATE: 04/18/2006
TIME: 09:00 - 09:00

CUSTOMER: LF00066 / MTS
HAULCUST:
ORIGIN: GROT / GROTON
TRUCK: GATOR 103
GENERATOR: NA / NON APPLICABLE
HAULER: NA / NON APPLICABLE
COMMENT:

WO#: 0
APPROVAL #:
TRAILER:
PROFILE #: APP040602
ROUTE: NA / NON APPLICABLE

P.O.:
GROSS: 83020 LBS
TARE: 35800 LBS
NET: 47220 LBS
CELL/TANK: 7

MATERIAL	QUANTITY	UNIT
ICCS / IC CONTAMINATED SOIL	23.6100	ST

To the best of my knowledge, the materia delivered to this site are not hazardous, asbesto containing, or unacceptable waste. I certify, under the penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Scalemaster: _____ IN: JMR B: PGSCALE_STH OUT: JMR B: PGSCALE_STH Driver: _____

Casella Waste Services Southbridge LF
A Division of Casella Waste Systems Inc.
165 Barefoot Rd SouthBridge MA 01550
V: (508)765-9976 F: (508)765-2752

TICKET: 54582
DATE: 04/18/2006
TIME: 12:02 - 12:03

CUSTOMER: LF00066 / MTS
HAULCUST:
ORIGIN: GROT / GROTON
TRUCK: GOUL 012
GENERATOR: NA / NON APPLICABLE
HAULER: NA / NON APPLICABLE
COMMENT:

WO: 0 APPROVAL #:
TRAILER:
PROFILE #: APP040602
ROUTE: NA / NON APPLICABLE

P.O.:
GROSS: 80640 LBS
TARE: 36020 LBS
NET: 44620 LBS
CELL/TANK: 7

MATERIAL	QUANTITY	UNIT
ICCS / IC CONTAMINATED SOIL	22.3100	ST

To the best of my knowledge, the materia delivered to this site are not hazardous, asbesto containing, or unacceptable waste. I certify, under the penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

IN: JMR B: PCSCALE_STH OUT: JMR B: PCSCALE_STH

Scalemaster: _____ Driver: Eric Dosen

Casella Waste Services Southbridge LF
A Division of Casella Waste Systems Inc.
165 Barefoot Rd SouthBridge MA 01550
V: (508)765-9976 F: (508)765-2752

TICKET: 54584
DATE: 04/18/2006
TIME: 12:11 - 12:12

CUSTOMER: LF00066 / MTS P.O.:
HAULCUST: WO: 0 APPROVAL #: GROSS: 84560 LBS
ORIGIN: GROT / GROTON TARE: 34560 LBS
TRUCK: GOUL 033 TRAILER: NET: 49900 LBS
GENERATOR: NA / NON APPLICABLE PROFILE #: APP040602
HAULER: NA / NON APPLICABLE ROUTE: NA / NON APPLICABLE
COMMENT: CELL/TANK: 7

MATERIAL	QUANTITY	UNIT
ICCS / IC CONTAMINATED SOIL	24.9500	ST

To the best of my knowledge, the materia delivered to this site are not hazardous, asbestc containing, or unacceptable waste. I certify, under the penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

IN: JMR B: PCSCALE_STH OUT: JMR B: PCSCALE_STH

Scalemaster: _____ Driver: _____

Casella Waste Services Southbridge LF
A Division of Casella Waste Systems Inc.
165 Barefoot Rd SouthBridge MA 01550
V: (508)765-9976 F: (508)765-2752

TICKET: 54583
DATE: 04/18/2006
TIME: 12:27 - 12:28

CUSTOMER: LF00066 / MTS
HAULCUST:
ORIGIN: GROT / GROTON
TRUCK: GOUL 33
GENERATOR: NA / NON APPLICABLE
HAULER: NA / NON APPLICABLE
COMMENT:

WO: 0 APPROVAL #:
TRAILER:
PROFILE #: APP040602
ROUTE: NA / NON APPLICABLE

P.O.:
GROSS: 88460 LBS
TARE: 36020 LBS
NET: 52440 LBS
CELL/TANK: 7

MATERIAL	QUANTITY	UNIT
ICCS / IC CONTAMINATED SOIL	26.2200	ST

To the best of my knowledge, the materia delivered to this site are not hazardous, asbesto containing, or unaccept able waste. I certify, under the penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Scalemaster: IN: JMR B: PCSCALE_STH OUT: JMR B: PCSCALE_STH Driver:

Casella Waste Services Southbridge LF
A Division of Casella Waste Systems Inc.
165 Barefoot Rd SouthBridge MA 01550
V: (508)765-9976 F: (508)765-2752

TICKET: 54594
DATE: 04/18/2006
TIME: 12:55 - 12:55

CUSTOMER: LF00066 / MTS
P.O.:
HAULCUST: WO: 0 APPROVAL #: GROSS: 81160 LBS
ORIGIN: GROT / GROTON TARE: 35800 LBS
TRUCK: GATOR 103 TRAILER: NET: 45360 LBS
GENERATOR: NA / NON APPLICABLE PROFILE #: APP040602
HAULER: NA / NON APPLICABLE ROUTE: NA / NON APPLICABLE
COMMENT: CELL/TANK: 7

MATERIAL	QUANTITY	UNIT
ICCS / IC CONTAMINATED SOIL	22.6800	ST

To the best of my knowledge, the materia delivered to this site ar not hazardous, asbesto containing, or unaccep able waste. I certify, under the penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Scalemaster: B: PCSCALE_STH OUT: JMR B: PCSCALE_STH Driver:

Casella Waste Services Southbridge LF
A Division of Casella Waste Systems Inc.
155 Barefoot Rd SouthBridge MA 01550
T: (508)765-9976 F: (508)755-2752

TICKET: 54596
DATE: 04/18/2006
TIME: 12:58 - 13:30

CUSTOMER: LF00066 / MTS
HAULCUST:
ORIGIN: GROT / GROTON
TRUCK: LAROCH 97
GENERATOR: NA / NON APPLICABLE
HAULER: NA / NON APPLICABLE
COMMENT:

WO: 0
APPROVAL #:
TRAILER:
PROFILE #: APP040602
ROUTE: NA / NON APPLICABLE

P.O.:
GROSS: 83920 LBS
TARE: 36220 LBS
NET: 47500 LBS
CELL/TANK: 7

MATERIAL	QUANTITY	UNIT
ICES / IC CONTAMINATED SOIL	23.7500	ST

To the best of my knowledge, the materia delivered to this site are not hazardous, asbestc containing, or unacceptable waste. I certify, under the penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Scalemaster: _____ B: DCSCALE_STH OUT: JMR B: DCSCALE_STH Driver: _____

Casella Waste Services Southbridge LF
A Division of Casella Waste Systems Inc.
165 Barefoot Rd SouthBridge MA 01550
V: (508)765-9976 F: (508)765-2752

TICKET: 54482
DATE: 04/17/2006
TIME: 13:45 - 13:45

CUSTOMER: LF00066 / MTS P.O.:
HAULCUST: WO: 0 APPROVAL #: GROSS: 87520 LBS
ORIGIN: GROT / GROTON TARE: 36320 LBS
TRUCK: LAROCH TRAILER: NET: 51200 LBS
GENERATOR: NA / NON APPLICABLE PROFILE #: APP040602
HAULER: NA / NON APPLICABLE ROUTE: NA / NON APPLICABLE
COMMENT: CELL/TANK: 7

MATERIAL	QUANTITY	UNIT
ICCS / IC CONTAMINATED SOIL	25.6000	ST

To the best of my knowledge, the materia delivered to this site are not hazardous, asbestc containing, or unacceptable waste. I certify, under the penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Scalemaster: IN: B: PCSCALE_STH OUT: JMR B: PCSCALE_STH Driver:

Casella Waste Services Southbridge LF
A Division of Casella Waste Systems Inc.
165 Barefoot Rd SouthBridge MA 01550
P: (508)765-9976 F: (508)765-2752

TICKET: 54489
DATE: 04/17/2006
TIME: 14:00 - 14:01

CUSTOMER: LF00066 / MTS
HAULCUST:
ORIGIN: GROT / GROTON
TRUCK: GOUL 023
GENERATOR: NA / NON APPLICABLE
HAULER: NA / NON APPLICABLE
COMMENT:

WO: 0
APPROVAL #:
TRAILER:
PROFILE #: APP040602
ROUTE: NA / NON APPLICABLE

P.O.:
GROSS: 90380 LBS
TARE: 35880 LBS
NET: 54500 LBS
CELL/TANK: 7

MATERIAL	QUANTITY	UNIT
ICCS / IC CONTAMINATED SOIL	27.2500	ST

To the best of my knowledge, the materia delivered to this site are not hazardous, asbesto containing, or unacceptable waste. I certify, under the penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Scalemaster: _____ P: PCSCALE_STH OUT: JMR B: PCSCALE_STH Driver: _____

Casella Waste Services Southbridge LF
A Division of Casella Waste Systems Inc.
165 Barefoot Rd SouthBridge MA 01550
V: (508)765-9376 F: (508)765-2752

TICKET: 54481
DATE: 04/17/2006
TIME: 13:42 - 13:42

CUSTOMER: LF00066 / MTS
HAULCUST:
ORIGIN: GROT / GROTON
TRUCK: GATOR 103
GENERATOR: NA / NON APPLICABLE
HAULER: NA / NON APPLICABLE
COMMENT:

WO#: 0 APPROVAL #: P.O.:
TRAILER:
PROFILE #: APP040602
ROUTE: NA / NON APPLICABLE

GROSS: 81780 LBS
TARE: 35800 LBS
NET: 45980 LBS
CELL/TANK: 7

MATERIAL	QUANTITY	UNIT
ICCS / IC CONTAMINATED SOIL	22.9900	ST

To the best of my knowledge, the materia delivered to this site are not hazardous, asbesto containing, or unacceptable waste. I certify, under the penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Scalemaster: _____ B: PCSCALE_STH OUT: JMR B: PCSCALE_STH Driver:

Casella Waste Services Southbridge LF
A Division of Casella Waste Systems Inc.
165 Barefoot Rd SouthBridge MA 01550
V: (508)765-9976 F: (508)765-2752

TICKET: 54480
DATE: 04/17/2006
TIME: 13:26 - 13:26

CUSTOMER: LF00066 / MTS
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: GROT / GROTON
TRUCK: GOUL 029 TRAILER:
GENERATOR: NA / NON APPLICABLE PROFILE #: APP040602
HAULER: NA / NON APPLICABLE ROUTE: NA / NON APPLICABLE
COMMENT:

P.O.:
GROSS: 83900 LBS
TARE: 36020 LBS
NET: 47880 LBS
CELL/TANK: 7

MATERIAL	QUANTITY	UNIT
ICCS / IC CONTAMINATED SOIL	23.9400	ST

To the best of my knowledge, the materia delivered to this site are not hazardous, asbesto containing, or unacceptable waste. I certify, under the penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

IN: JMR B: PCSCALE_STH OUT: JMR B: PCSCALE_STH

Scalemaster: _____ Driver: _____

Casella Waste Services Southbridge LF
A Division of Casella Waste Systems Inc.
165 Barefoot Rd SouthBridge MA 01550
V: (508)765-9976 F: (508)765-2782

TICKET: 54475
DATE: 04/17/2006
TIME: 13:17 -- 13:17

CUSTOMER: LF00066 / MTS
HAULCUST:
ORIGIN: GROT / GROTON
TRUCK: GOUL 026
GENERATOR: NA / NON APPLICABLE
HAULER: NA / NON APPLICABLE
COMMENT:

WO: 0
APPROVAL #:
TRAILER:
PROFILE #: APP040602
ROUTE: NA / NON APPLICABLE

P.O.:
GROSS: 87000 LBS
TARE: 36680 LBS
NET: 50320 LBS
CELL/TANK: 7

MATERIAL	QUANTITY	UNIT
ICCS / IC CONTAMINATED SOIL	25.1600	ST

To the best of my knowledge, the materia delivered to this site are not hazardous, asbesto containing, or unacceptable waste. I certify, under the penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Scalemaster: _____ IN: JMR B: PSSCALE_STH OUT: JMR B: PSSCALE_STH Driver: _____

Casella Waste Services Southbridge LF
A Division of Casella Waste Systems Inc.
165 Barefoot Rd SouthBridge MA 01550
V: (508)765-9976 F: (508)765-6752

TICKET: 54472
DATE: 04/17/2006
TIME: 13:07 - 13:08

CUSTOMER: LF00066 / MTS P.O.:
HAULCUST: WO: 0 APPROVAL #: GROSS: 104300 LBS
ORIGIN: GROT / GROTON TARE: 36200 LBS
TRUCK: GOUL 051 TRAILER: NET: 68780 LBS
GENERATOR: NA / NON APPLICABLE PROFILE #: APP040602
HAULER: NA / NON APPLICABLE ROUTE: NA / NON APPLICABLE
COMMENT: CELL/TANK: 7

MATERIAL	QUANTITY	UNIT
ICCS / IC CONTAMINATED SOIL	34.3900	ST

To the best of my knowledge, the materia delivered to this site ar not hazardous, asbesto containing, or unaccep able waste. I certify, under the penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste.

Scalemaster: IN: JMR B: PCSCALE_STH OUT: JMR B: PCSCALE_STH Driver:

Casella Waste Services Southbridge LF
A Division of Casella Waste Systems Inc.
165 Barefoot Rd SouthBridge MA 01550
V: (508)765-9976 F: (508)765-2752

TICKET: 54470
DATE: 04/17/2006
TIME: 13:02 - 13:02

CUSTOMER: LF00066 / MTS
HAULCUST:
ORIGIN: GROT / GROTON
TRUCK: NEW SALEM
GENERATOR: NA / NON APPLICABLE
HAULER: NA / NON APPLICABLE
COMMENT:

WO: 0
APPROVAL #:
TRAILER:
PROFILE #: APP040602
ROUTE: NA / NON APPLICABLE

P.O.:
GROSS: 96040 LBS
TARE: 34960 LBS
NET: 61080 LBS
CELL/TANK: 7

MATERIAL	QUANTITY	UNIT
ICCS / IC CONTAMINATED SOIL	30.5400	ST

To the best of my knowledge, the materia delivered to this site ar not hazardous, asbesto containing, or unaccep able waste. I certify, under the penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

IN: JMR B: PCSCALE_STH OUT: JMR B: PCSCALE_STH

Scalemaster: _____ Driver: _____

Casella Waste Services Southbridge LF
A Division of Casella Waste Systems Inc.
165 Barefoot Rd SouthBridge MA 01550
V: (508)765-9976 F: (508)765-2752

TICKET: 54469
DATE: 04/17/2006
TIME: 12:57 - 13:58

CUSTOMER: LF00066 / MTS
HAULCUST:
ORIGIN: GROT / GROTON
TRUCK: GOUL 044
GENERATOR: NA / NON APPLICABLE
HAULER: NA / NON APPLICABLE
COMMENT:

WO: 0
APPROVAL #:
TRAILER:
PROFILE #: APP040602
ROUTE: NA / NON APPLICABLE

P.O.:
GROSS: 93360 LBS
TARE: 36060 LBS
NET: 57300 LBS
CELL/TANK: 7

MATERIAL	QUANTITY	UNIT
ICCS / IC CONTAMINATED SOIL	28.6500	ST

To the best of my knowledge, the material delivered to this site are not hazardous, asbestos containing, or unacceptable waste. I certify, under the penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

IN: JMR B: PCSCALE_STH OUT: JMR B: PCSCALE_STH

Scalemaster: _____ Driver: _____

Casella Waste Services Southbridge LF
A Division of Casella Waste Systems Inc.
165 Barefoot Rd SouthBridge MA 01550
V: (508)765-9976 F: (508)765-2752

TICKET: 54466
DATE: 04/17/2006
TIME: 10:52 - 10:52

CUSTOMER: LF00066 / MTS
HAULCUST:
ORIGIN: GROT / GROTON
TRUCK: GOUL 97-1
GENERATOR: NA / NON APPLICABLE
HAULER: NA / NON APPLICABLE
COMMENT:

WO: 0 APPROVAL #:
TRAILER:
PROFILE #: APP040602
ROUTE: NA / NON APPLICABLE

P.O.:
GROSS: 88160 LBS
TARE: 38520 LBS
NET: 49640 LBS
CELL/TANK: 7

MATERIAL	QUANTITY	UNIT
ICCS / IC CONTAMINATED SOIL	24.8200	ST

To the best of my knowledge, the materia delivered to this site ar not hazardous, asbesto containing, or unaccep able waste. I certify, under the penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

IN: JMR B: PCSCALE_STH OUT: JMR B: PCSCALE_STH

Scalemaster: _____ Driver: _____

Casella Waste Services Southbridge LF
A Division of Casella Waste Systems Inc.
163 Barefoot Rd SouthBridge MA 01550
V: (508)765-9976 F: (508)765-2752

TICKET: 54465
DATE: 04/17/2006
TIME: 12:49 - 12:50

CUSTOMER: LF00066 / MTS P.O.:
HAULCUST: WO: 0 APPROVAL #: GROSS: 82900 LBS
ORIGIN: GROT / GROTON TARE: 35000 LBS
TRUCK: GOUL 033 TRAILER: NET: 47900 LBS
GENERATOR: NA / NON APPLICABLE PROFILE #: APP040602
HAULER: NA / NON APPLICABLE ROUTE: NA / NON APPLICABLE
COMMENT: CELL/TANK: 7

MATERIAL	QUANTITY	UNIT
ICOS / IC CONTAMINATED SOIL	23.9500	ST

To the best of my knowledge, the materia delivered to this site are not hazardous, asbesto containing, or unacceptable waste. I certify, under the penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

IN: JMR B: PCSCALE_STH OUT: JMR B: PCSCALE_STH

Scalemaster: _____ Driver: _____

Casella Waste Services Southbridge LF
A Division of Casella Waste Systems Inc.
165 Barefoot Rd SouthBridge MA 01550
V: (508)765-9976 F: (508)765-2752

TICKET: 54455
DATE: 04/17/2006
TIME: 12:14 - 12:14

CUSTOMER: LF00066 / MTS
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: GROT / GROTON
TRUCK: GOUL 012 TRAILER:
GENERATOR: NA / NON APPLICABLE PROFILE #: APP040602
HAULER: NA / NON APPLICABLE ROUTE: NA / NON APPLICABLE
COMMENT:

P.O.:
GROSS: 89760 LBS
TARE: 36020 LBS
NET: 53740 LBS
CELL/TANK: 7

MATERIAL	QUANTITY	UNIT
ICCS / IC CONTAMINATED SOIL	26.8700	ST

To the best of my knowledge, the material delivered to this site are not hazardous, asbesto containing, or unacceptable waste. I certify, under the penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Scalemaster: B: PESCALE_STH OUT: JMR B: PARCALE_STH Driver:

Eric Dosell

Casella Waste Services Southbridge LF
A Division of Casella Waste Systems Inc.
165 Barefoot Rd SouthBridge MA 01550
V: (508)765-9976 F: (508)765-2752

TICKET: 54488
DATE: 04/17/2005
TIME: 09:58 - 09:59

CUSTOMER: LF00066 / MTS P.O.:
HAULCUST: WO: 0 APPROVAL #: GROSS: 85460 LBS
ORIGIN: GROT / GROTON TARE: 36320 LBS
TRUCK: LAROCH TRAILER: NET: 49140 LBS
GENERATOR: NA / NON APPLICABLE PROFILE #: APP040602
HAULER: NA / NON APPLICABLE ROUTE: NA / NON APPLICABLE
COMMENT: CELL/TANK: 7

MATERIAL	QUANTITY	UNIT
ICCS / IC CONTAMINATED SOIL	24.5700	ST

To the best of my knowledge, the materia delivered to this site are not hazardous, asbestc containing, or unacceptable waste. I certify, under the penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

IN: JMR B: PCSCALE_STH OUT: JMR B: PCSCALE_STH

Scalemaster: _____ Driver: _____

Casella Waste Services Southbridge LF
A Division of Casella Waste Systems Inc.
165 Barefoot Rd SouthBridge MA 01550
V: (508)765-9976 F: (508)765-2752

TICKET: 54416
DATE: 04/17/2006
TIME: 09:16 - 09:17

CUSTOMER: LF00066 / MTS
HAULCUST:
ORIGIN: GROT / GROTON
TRUCK: GOUL 051
GENERATOR: NA / NON APPLICABLE
HAULER: NA / NON APPLICABLE
COMMENT:

WO: 0 APPROVAL #:
TRAILER:
PROFILE #: APP040602
ROUTE: NA / NON APPLICABLE

P.O.:
GROSS: 105940 LBS
TARE: 35600 LBS
NET: 70340 LBS
CELL/TANK: 7

MATERIAL	QUANTITY	UNIT
ICCS / IC CONTAMINATED SOIL	35.1700	ST

To the best of my knowledge, the materia delivered to this site are not hazardous, asbesto containing, or unacceptable waste. I certify, under the penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Scalemaster: _____ B: PCSCALE_STH OUT: JMR B: PCSCALE_STH Driver: _____

Casella Waste Services Southbridge LF
A Division of Casella Waste Systems Inc.
165 Barefoot Rd SouthBridge MA 01550
P: (508)765-9976 F: (508)765-2752

TICKET: 54427
DATE: 04/17/2006
TIME: 09:55 - 02:56

CUSTOMER: LF00066 / MTS
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: GROT / GROTON
TRUCK: GATOR TRAILER:
GENERATOR: NA / NON APPLICABLE PROFILE #: APP040602
HAULER: NA / NON APPLICABLE ROUTE: NA / NON APPLICABLE
COMMENT:

P.O.:
GROSS: 85460 LBS
TARE: 35800 LBS
NET: 49660 LBS
CELL/TANK: 7

MATERIAL	QUANTITY	UNIT
ICCS / IC CONTAMINATED SOIL	24.8300	ST

To the best of my knowledge, the material delivered to this site are not hazardous, asbesto containing, or unacceptable waste. I certify, under the penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

IN: JMR B: PCSCALE_STH OUT: JMR B: PCSCALE_STH

Scalemaster: _____ Driver: _____

Casella Waste Services Southbridge LF
A Division of Casella Waste Systems Inc.
165 Barefoot Rd SouthBridge MA 01550
V: (508)765-9376 F: (508)765-2752

TICKET: 54410
DATE: 04/17/2006
TIME: 08:53 - 08:53

CUSTOMER: LF00066 / MTS
HAULCUST:
ORIGIN: GROT / GROTON
TRUCK: GOUL 033
GENERATOR: NA / NON APPLICABLE
HAULER: NA / NON APPLICABLE
COMMENT:

WO: 0 APPROVAL #:
TRAILER:
PROFILE #: APP040602
ROUTE: NA / NON APPLICABLE

P.O.: APP040602
GROSS: 88540 LBS
TARE: 35000 LBS
NET: 53540 LBS
CELL/TANK: 7

MATERIAL	QUANTITY	UNIT
ICCS / IC CONTAMINATED SOIL	26.7700	ST

To the best of my knowledge, the materia delivered to this site ar not hazardous, asbesto containing, or unaccep able waste. I certify, under the penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Scalemaster: _____ B: PCSCALE_STH OUT: JMR B: PCSCALE_STH Driver: _____

Casella Waste Services Southbridge LF
A Division of Casella Waste Systems Inc.
165 Barefoot Rd SouthBridge MA 01550
V: (508)765-9976 F: (508)765-2752

TICKET: 54409
DATE: 04/17/2006
TIME: 08:45 08:46

CUSTOMER: LF00066 / MTS
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: GROT / GROTON
TRUCK: GOUL 012 TRAILER:
GENERATOR: NA / NON APPLICABLE PROFILE #: APP040602
HAULER: NA / NON APPLICABLE ROUTE: NA / NON APPLICABLE
COMMENT:

P.O.: APP040602
GROSS: 96040 LBS
TARE: 36520 LBS
NET: 59520 LBS
CELL/TANK: 7

MATERIAL	QUANTITY	UNIT
IOCS / IC CONTAMINATED SOIL	29.7600	ST

To the best of my knowledge, the materia delivered to this site ar not hazardous, asbesto containing, or unaccept able waste. I certify, under the penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

IN: ONE B: POSCALE_STH OUT: JMR B: POSCALE_STH

Scalemaster: _____ Driver: _____

Casella Waste Services Southbridge LF
A Division of Casella Waste Systems Inc.
165 Barefoot Rd SouthBridge MA 01550
V: (508)765-9976 F: (508)765-2752

TICKET: 54415
DATE: 04/17/2006
TIME: 09:12 - 09:13

CUSTOMER: LF00066 / MTS
HAULCUST:
ORIGIN: GROT / GROTON
TRUCK: N SALEM
GENERATOR: NA / NON APPLICABLE
HAULER: NA / NON APPLICABLE
COMMENT:

WO: 0 APPROVAL #:
TRAILER:
PROFILE #: APP040602
ROUTE: NA / NON APPLICABLE

P.O.: APP040602
GROSS: 103360 LBS
TARE: 34960 LBS
NET: 68400 LBS
CELL/TANK: 7

MATERIAL	QUANTITY	UNIT
ICDS / IC CONTAMINATED SOIL	34.2000	ST

To the best of my knowledge, the materia delivered to this site are not hazardous, asbesto containing, or unacceptable waste. I certify, under the penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

IN: TMS B: PCSCALE_STH OUT: JMR B: PCSCALE_STH

Scalemaster: _____ Driver: _____

MTS Environmental
PO Box 359
Epsom, NH 03234

Invoice

Billing Inquiries (603) 798-4557

Invoice # 32842

Invoice Date 4/28/06

Bill To

MILL CITY ENVIRONMENTAL
116 JOHN STREET
LOWELL MA 01852

Service Address
20:1107:1
ATTN: JACK ROURKE
CRYSTAL LAKE ROAD
GROTON CT
Cust#: AK- 244 4

Please detach here & include with your payment. THANK YOU $ _____ Amount Enclosed

MTS ENVIRONMENTAL AK

Date	Description	Qty	Rate	Total
4/27/06	TO AMREC			
4/27/06	DISPOSAL & TRANSPORTATION	23.33	26.500	618.25
4/27/06	TO SOUTHBRIDGE			
4/27/06	DISPOSAL	797.78	15.500	12,365.59
4/27/06	TRANSPORTATION	797.78	16.000	12,764.48

RECEIVED MAY 0 9 2006

Vendor MTS
Job # MCE331A
G/L# T+D
Approved By DF

Cust#: AK- 244 4 Inv#: 32842 Please pay INVOICE TOTAL 25748.32

Service Address: 20:1107:1

To the extent allowed by law, finance charge will be charged on all balances over 30 days. PAYMENT DUE WITHIN 30 DAYS FROM INVOICE DATE.

FORM NO. 177-433

Appendix D

Confirmatory and Waste Characterization Analytical Results

analytics environmental laboratory LLC

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

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

Report Number: 56051

Revision: Rev. 0

Re: NSB-NLON-SITE7

CTO 8

Enclosed are the results of the analyses on your sample(s). Samples were received on 17 March 2006 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
56051-1	03/16/06	NSB-NLON-SITE7-WC-SL-01	EPA 8081(TCLP Pesticides)	
	03/16/06	NSB-NLON-SITE7-WC-SL-01	EPA 8151(TCLP Herbicides)	
	03/16/06	NSB-NLON-SITE7-WC-SL-01	EPA 8260 (TCLP Volatile Organics)	
	03/16/06	NSB-NLON-SITE7-WC-SL-01	EPA 8270 (TCLP Semivolatiles)	
	03/16/06	NSB-NLON-SITE7-WC-SL-01	TCLP Extraction	
	03/16/06	NSB-NLON-SITE7-WC-SL-01	TCLP Zero Headspace Extraction	
56051-2	03/16/06	NSB-NLON-SITE7-SC-SL-01	Cyanide Reactivity	
	03/16/06	NSB-NLON-SITE7-SC-SL-01	EPA 1010 Flashpoint	
	03/16/06	NSB-NLON-SITE7-SC-SL-01	EPA 8082 (PCBs only)	
	03/16/06	NSB-NLON-SITE7-SC-SL-01	EPA 8100 - TPH	
	03/16/06	NSB-NLON-SITE7-SC-SL-01	EPA 8260 Volatile Organics	
	03/16/06	NSB-NLON-SITE7-SC-SL-01	EPA 8270 Acid/Base Neutrals	
	03/16/06	NSB-NLON-SITE7-SC-SL-01	EPA 9095 Paint Filter Liquids Test	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, North Carolina, New York, Virginia, Pennsylvania and is validated by the U.S. Army Corps of Engineers (MRD) and U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 03/31/06

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

analytics environmental laboratory LLC

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

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

Report Number: 56051

Revision: Rev. 0

Re: NSB-NLON-SITE7 **CTO 8**

Enclosed are the results of the analyses on your sample(s). Samples were received on 17 March 2006 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
	03/16/06	NSB-NLON-SITE7-SC-SL-01	RCRA Metals	
	03/16/06	NSB-NLON-SITE7-SC-SL-01	Sulfide Reactivity	
	03/16/06	NSB-NLON-SITE7-SC-SL-01	SW-846 9045 pH in Solid	
	03/16/06	NSB-NLON-SITE7-SC-SL-01	TCLP Extraction	
	03/16/06	NSB-NLON-SITE7-SC-SL-01	TCLP RCRA Metals	
	03/16/06	NSB-NLON-SITE7-SC-SL-01	Total Organic Carbon in Solid Matrices	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, North Carolina, New York, Virginia, Pennsylvania and is validated by the U.S. Army Corps of Engineers (MRD) and U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature Melissa Tulli for
Stephen L. Knollmeyer Lab. Director

Date 03/31/06

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analytics environmental laboratory LLC

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820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

March 24, 2006

CLIENT SAMPLE ID

Project Name: NSB-NLON-SITE7

Project Number: CTO 8

Field Sample ID: LAB QC

SAMPLE DATA

Lab Sample ID: MB03206C
Matrix: Solid
Percent Solid: 100
Dilution Factor: 100
Collection Date: N/A
Lab Receipt Date: N/A
Analysis Date: 03/20/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	100	U	1,3-Dichloropropane	100	U
Bromobenzene	100	U	cis-1,3-Dichloropropene	100	U
Bromochloromethane	100	U	trans-1,3-Dichloropropene	100	U
Bromodichloromethane	75	U	2,2-Dichloropropane	100	U
Bromoform	75	U	1,1-Dichloropropene	100	U
Bromomethane	100	U	Ethylbenzene	100	U
n-butylbenzene	100	U	Hexachlorobutadiene	100	U
sec-butylbenzene	100	U	Isopropylbenzene	100	U
tert-butylbenzene	100	U	p-isopropyltoluene	100	U
Carbon Tetrachloride	100	U	Methylene Chloride	500	U
Chlorobenzene	100	U	Methyl-tert-butyl ether (MTBE)	100	U
Chloroethane	100	U	Naphthalene	100	U
Chloroform	75	U	n-Propylbenzene	100	U
Chloromethane	100	U	Styrene	100	U
2-Chlorotoluene	100	U	1,1,1,2-Tetrachloroethane	100	U
4-Chlorotoluene	100	U	1,1,2,2-Tetrachloroethane	75	U
Dibromochloromethane	75	U	Tetrachloroethene	100	U
1,2-Dibromo-3-chloropropane	100	U	Toluene	100	U
1,2-Dibromoethane	75	U	1,2,3-Trichlorobenzene	100	U
Dibromomethane	100	U	1,2,4-Trichlorobenzene	100	U
1,2-Dichlorobenzene	100	U	1,1,1-Trichloroethane	100	U
1,3-Dichlorobenzene	100	U	1,1,2-Trichloroethane	75	U
1,4-Dichlorobenzene	100	U	Trichloroethene	100	U
Dichlorodifluoromethane	100	U	Trichlorofluoromethane	100	U
1,1-Dichloroethane	100	U	1,2,3-Trichloropropane	100	U
1,2-Dichloroethane	75	U	1,2,4-Trimethylbenzene	100	U
1,1-Dichloroethene	75	U	1,3,5-Trimethylbenzene	100	U
cis-1,2-Dichloroethene	100	U	Vinyl Chloride	100	U
trans-1,2-Dichloroethene	100	U	o-Xylene	100	U
1,2-Dichloropropane	75	U	m,p-Xylene	100	U
Acetone	1000	U	Diethyl ether	100	U
Carbon Disulfide	100	U	2-Hexanone	1000	U
Tetrahydrofuran	500	U	Methyl isobutyl ketone	1000	U
Methyl ethyl ketone	1000	U	Di-isopropyl ether (DIPE)	100	U
t-Butyl alcohol (TBA)	2000	U	Ethyl t-butyl ether (ETBE)	100	U
t-Amyl methyl ether (TAME)	100	U			

Surrogate Standard Recovery

Dibromofluoromethane	94	%	d4-1,2-Dichloroethane	96	%	d8-Toluene	92	% Bromofluorobenzene	91 %

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

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

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

8260 full (4)

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March 24, 2006

CLIENT SAMPLE ID

Project Name: NSB-NLON-SITE7

Project Number: CTO 8

Field Sample ID: NSB-NLON-SITE7-WC-SL-01

SAMPLE DATA

Lab Sample ID:	56051-1
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	100
Collection Date:	03/16/06
Lab Receipt Date:	03/17/06
TCLP Extraction Date:	03/20/06
Analysis Date:	03/23/06

ANALYTICAL RESULTS
TCLP VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	Regulatory Limit µg/L	Matrix Spike Percent Recovery
Vinyl chloride	200	U	200	103
Trichloroethene	200	U	500	109
Tetrachloroethene	200	U	700	98
Chloroform	200	U	6,000	105
Carbon tetrachloride	200	U	500	113
1,1-Dichloroethene	200	U	700	103
1,2-Dichloroethane	200	U	500	98
Chlorobenzene	200	U	100,000	111
Benzene	200	U	500	107
Methyl ethyl ketone	1000	U	200,000	107

Surrogate Standard Recovery

Dibromofluoromethane	99 %	d4-1,2-Dichloroethane	105 %	d8-Toluene	100 %	Bromofluorobenzene	100 %

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

METHODOLOGY: TCLP sample extraction was performed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 1311." TCLP extract analysis was conducted according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8260B."

COMMENTS:

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March 24, 2006

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CLIENT SAMPLE ID

Project Name: NSB-NLON-SITE7

Project Number: CTO 8

Field Sample ID: NSB-NLON-SITE7-WC-SL-01

SAMPLE DATA

Lab Sample ID:	56051-1
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	5.0
Collection Date:	03/16/06
Lab Receipt Date:	03/17/06
TCLP Extraction Date:	03/20/06
Preparative Extraction Date:	03/21/06
Analysis Date:	03/22/06

ANALYTICAL RESULTS TCLP SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	Regulatory Limit µg/L	Matrix Spike Percent Recovery
2-Methylphenol	25	U	200,000	64
3+4-Methylphenol	25	U	200,000	63
1,4-Dichlorobenzene	10	U	7,500	60
2,4-Dinitrotoluene	10	U	130	88
Hexachlorobenzene	10	U	130	84
Hexachlorobutadiene	10	U	500	56
Hexachloroethane	10	U	3,000	54
Nitrobenzene	10	U	2,000	81
Pentachlorophenol	50	U	100,000	70
Pyridine	10	U	5,000	47
2,4,5-Trichlorophenol	25	U	400,000	85
2,4,6-Trichlorophenol	25	U	2,000	75

Surrogate Standard Recovery

2-Fluorophenol	40 %	d5-Phenol	29 %	d5-nitrobenzene	72 %
2-Fluorobiphenyl	70 %	2,4,6-Tribromophenol	70 %	d14-p-terphenyl	66 %

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

METHODOLOGY: TCLP sample extraction was performed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 1311." TCLP extract analysis was conducted according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8270c."

COMMENTS:

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March 23, 2006

CLIENT SAMPLE ID

Project Name: NSB-NLON-SITE7

Project Number: CTO 8

Field Sample ID: NSB-NLON-SITE7-WC-SL-01

SAMPLE DATA

Lab Sample ID:	56051-1
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	4.0
Collection Date:	03/16/06
Lab Receipt Date:	03/17/06
TCLP Extraction Date:	03/20/06
Extraction Date:	03/21/06
Analysis Date:	03/21/06

TCLP ORGANOCHLORINE PESTICIDE RESULTS

COMPOUND	Quantitation Limit µg/L	Results µg/L	Regulatory Limit µg/L	Matrix Spike Percent Recovery
Chlordane	8	U	30	90
Endrin	8	U	20	112
Heptachlor	8	U	8	102
Heptachlor Epoxide	8	U	8	100
Lindane	8	U	400	102
Methoyxchlor	8	U	10,000	107
Toxaphene	8	U	500	83

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	90	%
Decachlorobiphenyl	79	%

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

METHODOLOGY: TCLP sample extraction was performed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 1311." TCLP extract analysis was conducted according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8081."

COMMENTS:

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March 24, 2006

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CLIENT SAMPLE ID

Project Name: NSB-NLON-SITE7
Project Number: CTO 8
Client Sample ID: NSB-NLON-SITE7-WC-SL-01

SAMPLE DATA

Lab Sample ID: 56051-1
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 5
Collection Date: 03/16/06
Lab Receipt Date: 03/17/06
TCLP Extraction Date: 03/20/06
Extraction Date: 03/21/06
Analysis Date: 03/23/06

TCLP CHLORINATED HERBICIDE RESULTS

COMPOUND	Quantitation Limit µg/L	Results µg/L	Regulatory Limit µg/L	Matrix Spike Percent Recovery
2,4-D	5	U	10,000	90%
2,4,5-TP (Silvex)	5	U	1,000	105%

Surrogate Standard Recovery

2,4-Dichlorophenylacetic acid 80 %

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

METHODOLOGY: TCLP sample extraction was performed according to Test Methods for Evaluating Solid Waste, SW-846 Method 1311. TCLP extract analysis was conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8151.

COMMENTS:

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March 24, 2006

CLIENT SAMPLE ID

Project Name: NSB-NLON-SITE7

Project Number: CTO 8

Field Sample ID: NSB-NLON-SITE7-SC-SL-01

SAMPLE DATA

Lab Sample ID: 56051-2
Matrix: Solid
Percent Solid: 88
Dilution Factor: 102
Collection Date: 03/16/06
Lab Receipt Date: 03/17/06
Analysis Date: 03/20/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	102	U	1,3-Dichloropropane	102	U
Bromobenzene	102	U	cis-1,3-Dichloropropene	102	U
Bromochloromethane	102	U	trans-1,3-Dichloropropene	102	U
Bromodichloromethane	76	U	2,2-Dichloropropane	102	U
Bromoform	76	U	1,1-Dichloropropene	102	U
Bromomethane	102	U	Ethylbenzene	102	U
n-butylbenzene	102	U	Hexachlorobutadiene	102	U
sec-butylbenzene	102	U	Isopropylbenzene	102	U
tert-butylbenzene	102	U	p-isopropyltoluene	102	U
Carbon Tetrachloride	102	U	Methylene Chloride	508	U
Chlorobenzene	102	275	Methyl-tert-butyl ether (MTBE)	102	U
Chloroethane	102	U	Naphthalene	102	U
Chloroform	76	U	n-Propylbenzene	102	U
Chloromethane	102	U	Styrene	102	U
2-Chlorotoluene	102	U	1,1,1,2-Tetrachloroethane	102	U
4-Chlorotoluene	102	U	1,1,2,2-Tetrachloroethane	76	U
Dibromochloromethane	76	U	Tetrachloroethene	102	U
1,2-Dibromo-3-chloropropane	102	U	Toluene	102	U
1,2-Dibromoethane	76	U	1,2,3-Trichlorobenzene	102	U
Dibromomethane	102	U	1,2,4-Trichlorobenzene	102	U
1,2-Dichlorobenzene	102	U	1,1,1-Trichloroethane	102	U
1,3-Dichlorobenzene	102	U	1,1,2-Trichloroethane	76	U
1,4-Dichlorobenzene	102	371	Trichloroethene	102	U
Dichlorodifluoromethane	102	U	Trichlorofluoromethane	102	U
1,1-Dichloroethane	102	U	1,2,3-Trichloropropane	102	U
1,2-Dichloroethane	76	U	1,2,4-Trimethylbenzene	102	U
1,1-Dichloroethene	76	U	1,3,5-Trimethylbenzene	102	U
cis-1,2-Dichloroethene	102	U	Vinyl Chloride	102	U
trans-1,2-Dichloroethene	102	U	o-Xylene	102	U
1,2-Dichloropropane	76	U	m,p-Xylene	102	U
Acetone	1020	U	Diethyl ether	102	U
Carbon Disulfide	102	U	2-Hexanone	1020	U
Tetrahydrofuran	508	U	Methyl isobutyl ketone	1020	U
Methyl ethyl ketone	1020	U	Di-isopropyl ether (DIPE)	102	U
t-Butyl alcohol (TBA)	2030	U	Ethyl t-butyl ether (ETBE)	102	U
t-Amyl methyl ether (TAME)	102	U			

Surrogate Standard Recovery

Dibromofluoromethane	75 %	d4-1,2-Dichloroethane	76 %	d8-Toluene	75 %	Bromofluorobenzene	73 %

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

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

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

8260 full (4)

Authorized signature Melissa Tall

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March 24, 2006

CLIENT SAMPLE ID

Project Name: NSB-NLON-SITE7

Project Number: CTO 8

Field Sample ID: NSB-NLON-SITE7-SC-SL-01

SAMPLE DATA

Lab Sample ID: 56051-2
Matrix: Solid
Percent Solid: 88
Dilution Factor: 2.2
Collection Date: 03/16/06
Lab Receipt Date: 03/17/06
Extraction Date: 03/22/06
Analysis Date: 03/24/06

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg	ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg
2-Chlorophenol	550	U	Pentachlorophenol	550	U
4-Chloro-3-methylphenol	550	U	Phenol	550	U
2,4-Dichlorophenol	550	U	2,4,5-Trichlorophenol	550	U
2,4-Dimethylphenol	550	U	2,4,6-Trichlorophenol	550	U
2,4-dinitrophenol	550	U	Benzoic Acid	550	U
4,6-Dinitro-2-methylphenol	550	U	2-Methylphenol	550	U
2-Nitrophenol	550	U	3+4-Methylphenol	550	U
2,6-Dichlorophenol	550	U	Benzyl Alcohol	550	U
4-Nitrophenol	550	U	2,3,4,6-Tetrachlorophenol	550	U

Acid Surrogate Standard Recovery

2-Fluorophenol	57 %	d5-Phenol	71 %	2,4,6-Tribromophenol	82 %

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
1,2-Dichlorobenzene	550	U	Hexachlorobenzene	550	U
1,3-Dichlorobenzene	550	U	* Benzidine	550	U
1,4-Dichlorobenzene	550	U	3,3'-Dichlorobenzidine	550	U
2,4-Dinitrotoluene	550	U	Azobenzene	550	U
2,6-Dinitrotoluene	550	U	Bis(2-chloroethoxy)methane	550	U
Nitrobenzene	550	U	bis(2-chloroethyl) ether	550	U
Hexachlorobutadiene	550	U	bis(2-chloroisopropyl)ether	550	U
Dimethyl Phthalate	550	U	4-bromophenyl phenyl ether	550	U
Di-n-butyl phthalate	550	U	Butyl benzyl phthalate	550	U
di-n-octyl-phthalate	550	U	4-Chlorophenyl phenyl ether	550	U
Bis (2-ethylhexyl) phthalate	550	U	Diethyl Phthalate	550	U
1,2,4-Trichlorobenzene	550	U	Hexachlorocyclopentadiene	550	U

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

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8270/625 layout

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March 24, 2006

CLIENT SAMPLE ID

Project Name: NSB-NLON-SITE7

Project Number: CTO 8

Field Sample ID: NSB-NLON-SITE7-SC-SL-01

SAMPLE DATA

Lab Sample ID: 56051-2
Matrix: Solid
Percent Solid: 88
Dilution Factor: 2.2
Collection Date: 03/16/06
Lab Receipt Date: 03/17/06
Extraction Date: 03/22/06
Analysis Date: 03/24/06

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Acenaphthene	550	U	N-nitrosodimethylamine	550	U
Acenaphthylene	550	**615**	N-nitroso-di-n-propylamine	550	U
Anthracene	550	**555**	n-nitrosodiphenylamine	550	U
Benzo[a]anthracene	550	**2780**	Pyridine	550	U
Benzo[a] pyrene	550	**3070**	2-Methylnaphthalene	550	U
Benzo[b] fluoranthene	550	**2560**	2-Chloronaphthalene	550	U
Benzo[k] fluoranthene	550	**2010**	Naphthalene	550	U
Benzo(g,h,i) perylene	550	**894**	Phenanthrene	550	**2130**
Chrysene	550	**2840**	Dibenzofuran	550	U
Dibenz [a,h] anthracene	550	**411 J**	Aniline	550	U
Fluoranthene	550	**4370**	4-Chloroaniline	550	U
Fluorene	550	U	2-Nitroaniline	550	U
Indeno [1,2,3-cd] pyrene	550	**1430**	3-Nitroaniline	550	U
Pyrene	550	**4190**	4-Nitroaniline	550	U
Hexachloroethane	550	U	Carbazole	550	U
Isophorone	550	U			

Base Neutral Surrogate Standard Recovery

2-Fluorobiphenyl	72	%	d5-nitrobenzene	66	%	d14-p-terphenyl	68 %

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: *Due to the reactive nature of this compound, the Benzidine quantitation limit is estimated.
Results are expressed on a dry weight basis.

8270/625 layout

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March 24, 2006

CLIENT SAMPLE ID

Project Name: NSB-NLON-SITE7

Project Number: CTO 8

Field Sample ID: NSB-NLON-SITE7-SC-SL-01

SAMPLE DATA

Lab Sample ID: 56051-2
Matrix: Solid
Percent Solid: 88
Dilution Factor: 1.1
Collection Date: 03/16/06
Lab Receipt Date: 03/17/06
Extraction Date: 03/20/06
Analysis Date: 03/21/06

ANALYTICAL RESULTS

DIESEL RANGE ORGANICS (C10-C28)

Result	Units	Quantitation Limit
102	mg/kg	6

Surrogate Standard Recovery

m-Terphenyl 184 * %

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

METHODOLOGY: Aqueous samples prepared by Separatory Funnel Liquid/Liquid Extraction, "Test Methods for Evaluating Solid Waste," Method 3510C; other matrices prepared by Pressurized Fluid Extraction, "Test Methods for Evaluating Solid Waste," Method 3545.

All matrices analyzed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8015B"

COMMENTS: Results are expressed on a dry weight basis. Chromatogram contains peaks which elute after the DRO window.

* Surrogate recovery affected by sample matrix.

TPH layout

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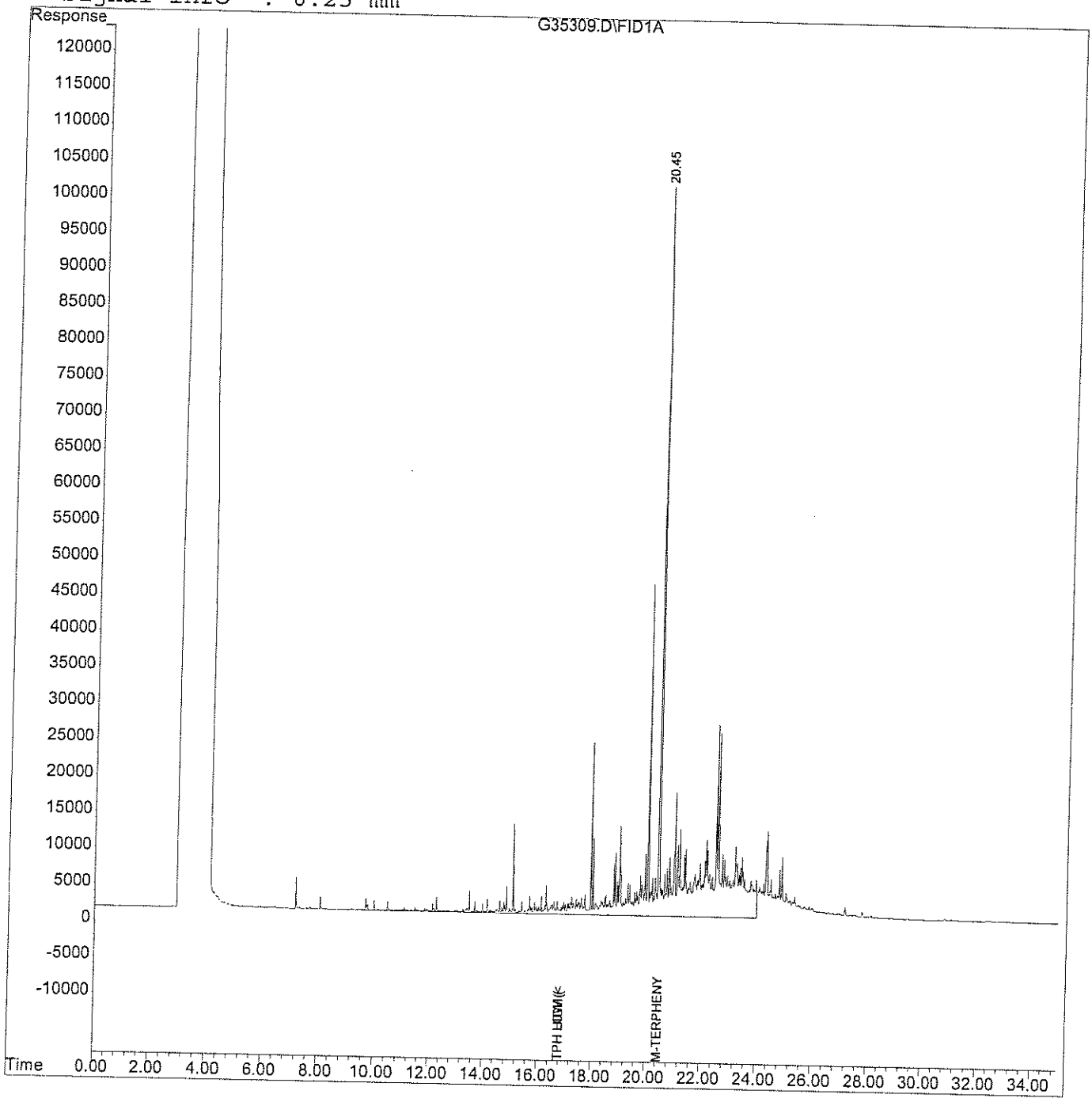
Data File : D:\HPCHEM\2\DATA\032006-G\G35309.D
Acq On : 21 Mar 2006 1:56 am
Sample : 56051-2
Misc : SOIL
IntFile : AUTOINT1.E
Quant Time: Mar 21 8:42 2006 Quant Results File: T03066A.RES

Vial: 26
Operator:
Inst : Instr. G
Multiplr: 1.00

Quant Method : C:\HPCHEM\2\METHODS\T03066A.M (Chemstation Integrator)
Title : DRO
Last Update : Tue Mar 07 10:49:37 2006
Response via : Multiple Level Calibration
DataAcq Meth : TPHEPH1.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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March 31, 2006

CLIENT SAMPLE ID

Project Name:	NSB-NLON-SITE7
Project Number:	CTO 8
Client Sample ID:	NSB-NLON-SITE7-SC-SL-01

SAMPLE DATA

Lab Sample ID:	56051-2
Matrix:	Solid
Percent Solid:	88%
Dilution Factor:	25
Collection Date:	03/16/06
Lab Receipt Date:	03/17/06
Analysis Date:	03/31/06

ANALYTICAL RESULTS TOTAL GASOLINE

Result	Units	Detection Limit
U	µg/kg	570

Surrogate Standard Recovery

Trifluorotoluene	79%

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

METHODOLOGY: Sample analysis conducted according to: Test Methods for Evaluating Solid Waste, Method 8015B .

COMMENTS: **Results expressed on a dry weight basis. Sample collection was not in accordance with SW-846 method 5035.**

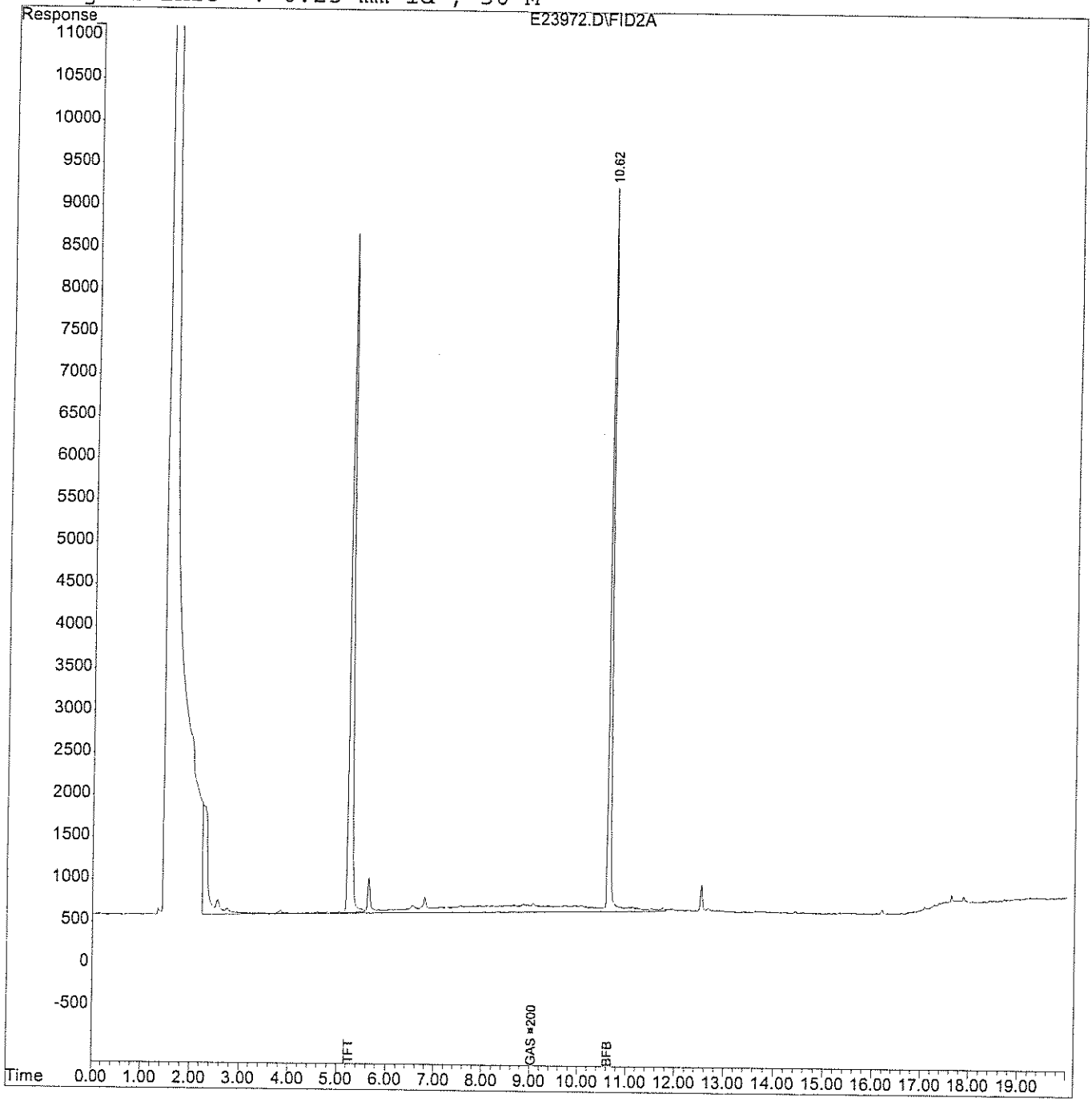
Authorized signature

Data File : C:\HPCHEM\1\DATA\033006-E\E23972.D
Acq On : 31 Mar 2006 4:22 am
Sample : 56051-2
Misc : 100,5.22,SOIL
IntFile : GLO.E
Quant Time: Mar 31 8:20 2006 Quant Results File: GAS01276.RES

Vial: 6
Operator:
Inst : Instrumen
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GAS01276.M (Chemstation Integrator)
Title : GAS
Last Update : Sat Jan 28 00:04:55 2006
Response via : Multiple Level Calibration
DataAcq Meth : GRO.M

Volume Inj. : Purge & Trap
Signal Phase : DB-502.2
Signal Info : 0.25 mm id , 30 M



analytics environmental laboratory LLC

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

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

March 23, 2006

CLIENT SAMPLE ID

Project Name: NSB-NLON-SITE7

Project Number: CTO 8

Field Sample ID: NSB-NLON-SITE7-SC-SL-01

SAMPLE DATA

Lab Sample ID: 56051-2
Matrix: Solid
Percent Solid: 88
Dilution Factor: 1.1
Collection Date: 03/16/06
Lab Receipt Date: 03/17/06
Extraction Date: 03/20/06
Analysis Date: 03/20/06

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	17	U
PCB-1221	17	U
PCB-1232	17	U
PCB-1242	17	U
PCB-1248	17	U
PCB-1254	17	U
PCB-1260	17	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	89	%
Decachlorobiphenyl	102	%

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

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

Authorized signature Melissa Gulli

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March 24, 2006

CLIENT SAMPLE ID

Project Name: NSB-NLON-SITE7
Project Number: CTO 8
Client Sample ID: NSB-NLON-SITE7-SC-SL-01

SAMPLE DATA

Lab Sample ID: 56051-2
Matrix: Solid
Collection Date: 03/16/06 Time Collected: 11:00
Lab Receipt Date: 03/17/06
Analysis Date: 03/20/06 Time Analyzed: 11:14

pH ANALYSIS

Sample	Result	Units
56051-2	**6.8**	pH Units

METHODOLOGY: Sample analyzed according to "EPA SW 846 Method 9045 pH in solid"

COMMENTS: **Results are expressed on a dry weight basis.**

Authorized signature

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March 24, 2006

CLIENT SAMPLE ID

Project Name: NSB-NLON-SITE7
Project Number: CTO 8
Client Sample ID: NSB-NLON-SITE7-SC-SL-01

SAMPLE DATA

Lab Sample ID: 56051-2
Matrix: Solid
Collection Date: 03/16/06 11:00
Lab Receipt Date: 03/17/06
Analysis Date: 03/20/06

Flash Point Analysis

Sample	Result	Units
56051-2	>165	° Fahrenheit

METHODOLOGY: Sample analysis was conducted according to "Test Methods for Evaluating Solid Waste, EPA SW-846, Method 1010."

COMMENTS:

Authorized signature Melina Tall

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Langhorne, PA 19047-1748

March 24, 2006

CLIENT SAMPLE ID

Project Name: NSB-NLON-SITE7
Project Number: CTO 8
Client Sample ID: NSB-NLON-SITE7-SC-SL-01

SAMPLE DATA

Lab Sample ID: 56051-2
Matrix: Solid
Collection Date: 03/16/06
Lab Receipt Date: 03/17/06
Analysis Date: 03/23/06

PAINT FILTER LIQUIDS TEST

Sample	Result
56051-2	**No Free Liquids**

METHODOLOGY: Sample was analyzed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 9095"

COMMENTS:

Authorized signature Melissa Tull

analytics environmental laboratory LLC

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Langhorne PA 19047-1748

March 24, 2006

CLIENT SAMPLE ID

Project Name: NSB-NLON-SITE7
Project Number: CTO 8
Client Sample ID: NSB-NLON-SITE7-SC-SL-01

SAMPLE DATA

Lab Sample ID: 56051-2
Matrix: Solid
Percent Solid 88%
Collection Date: 03/16/06 11:00
Lab Receipt Date: 03/17/06
Analysis Date: 03/23/06

REACTIVITY

	Result	Units	Detection Limit	Dilution Factor
Sulfide Reactivity	U	mg/kg	11	1
Cyanide Reactivity	U	mg/kg	11	0.9

U denotes undetected

METHODOLOGY: As of July 2005 EPA has withdrawn these methods from Test Methods for Evaluating Solid Waste ,SW-856. Sulfide reactivity analysis by Modified Method 7.3.4.2. and Cyanide reactivity analysis Cyanide by Modified Method 7.3.3.2."

Note: In July 2005 EPA withdrew the above reactivity methods from "Test Methods for Evaluating Solid Waste, SW-846". These methoods are being analyzed to satisfy requirements for permit-holders only.

COMMENTS: **Results are expressed on a dry weight basis.**

Authorized signature

SEVERN TRENT STL

ANALYTICAL REPORT

Job Number: 680-14771-1

SDG Number: 68014771

Job Description: NSN-NLON-SITE 7

For:
Analytics Environmental Laboratory, LLC
195 Commerce Way
Suite E
Portsmouth, NH 03801

Attention: Mr. Stephen Knollmeyer

Kathryn Smith

Kathryn Smith
Project Manager I
kesmith@stl-inc.com
03/27/2006

Project Manager: Bernard Kirkland

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the STL Project Manager who signed this report.

ACCREDITED IN ACCORDANCE WITH nelac

METHOD SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-14771-1
Sdg Number: 68014771

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Inductively Coupled Plasma - Atomic Emission Spectrometry	STL-SAV	SW846 6010B	
Toxicity Characteristic Leaching Procedure	STL-SAV		SW846 1311
Acid Digestion of Aqueous Samples and Extracts	STL-SAV		SW846 3010A
Acid Digestion of Sediments, Sludges, and Soils	STL-SAV		SW846 3050B
Mercury in Liquid Waste (Manual Cold Vapor Technique)	STL-SAV	SW846 7470A	
Toxicity Characteristic Leaching Procedure	STL-SAV		SW846 1311
Mercury in Liquid Waste (Manual Cold Vapor	STL-SAV		SW846 7470A
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	STL-SAV	SW846 7471A	
Mercury in Solid or Semi-Solid Waste (Manual	STL-SAV		SW846 7471A
Total Organic Carbon	STL-SAV	SW846 9060	
Percent Moisture	STL-SAV	EPA 160.3	

LAB REFERENCES:

STL-SAV = STL-Savannah

METHOD REFERENCES:

EPA - US Environmental Protection Agency

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-14771-1
Sdg Number: 68014771

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-14771-1	NSN-NLON-SITE7-WC-SC -01	Solid	03/16/2006 1100	03/18/2006 1020

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-14771-1
Sdg Number: 68014771

Client Sample ID: NSN-NLON-SITE7-WC-SC-01

Lab Sample ID: 680-14771-1
Client Matrix: Solid % Moisture: 16.1

Date Sampled: 03/16/2006 1100
Date Received: 03/18/2006 1020

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 03/22/2006 1735
Date Prepared: 03/21/2006 1059

Analysis Batch: 680-39761
Prep Batch: 680-39468

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 1.12 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		2.6	J	0.71	2.7
Silver		0.11	U	0.11	1.1
Barium		67		0.32	1.1
Cadmium		0.23	U	0.23	0.80
Chromium		19		0.14	1.1
Lead		23		0.22	0.80
Selenium		0.96	U	0.96	3.2
Beryllium		0.48		0.018	0.43
Nickel		11		0.28	4.3

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-TCLP

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 03/22/2006 1832
Date Prepared: 03/21/2006 1051
Date Leached: 03/20/2006 1059

Analysis Batch: 680-39764
Prep Batch: 680-39467
Leachate Batch: 680-39323

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 5 mL
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.052	U	0.052	0.20
Barium		0.31	J B	0.012	1.0
Cadmium		0.010	U	0.010	0.10
Chromium		0.0095	U	0.0095	0.20
Lead		0.035	U	0.035	0.20
Selenium		0.054	U	0.054	0.50
Silver		0.010	U	0.010	0.10

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-14771-1
Sdg Number: 68014771

Client Sample ID: NSN-NLON-SITE7-WC-SC-01

Lab Sample ID: 680-14771-1
Client Matrix: Solid

Date Sampled: 03/16/2006 1100
Date Received: 03/18/2006 1020

7470A Mercury in Liquid Waste (Manual Cold Vapor Technique)-TCLP

Method: 7470A
Preparation: 7470A
Dilution: 1.0
Date Analyzed: 03/22/2006 1620
Date Prepared: 03/22/2006 0925
Date Leached: 03/20/2006 1059

Analysis Batch: 680-39693
Prep Batch: 680-39571
Leachate Batch: 680-39323

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 0.50 mL
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		0.0080	U	0.0080	0.020

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 03/22/2006 1941
Date Prepared: 03/22/2006 1108

Analysis Batch: 680-39710
Prep Batch: 680-39604

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 1.02 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.048		0.0047	0.023

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-14771-1
Sdg Number: 68014771

General Chemistry

Client Sample ID: **NSN-NLON-SITE7-WC-SC-01**

Lab Sample ID: 680-14771-1
Client Matrix: Solid

Date Sampled: 03/16/2006 1100
Date Received: 03/18/2006 1020

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	13000		mg/Kg	390	1000	1.0	9060
	Anly Batch: 680-39830	Date Analyzed	03/23/2006 1520			DryWt Corrected: N	

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	16		%	1.0	1.0	160.3
	Anly Batch: 680-39413	Date Analyzed	03/20/2006 1731			
Percent Solids	84		%	1.0	1.0	160.3
	Anly Batch: 680-39413	Date Analyzed	03/20/2006 1731			

DATA REPORTING QUALIFIERS

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-14771-1
Sdg Number: 68014771

Lab Section	Qualifier	Description
Metals		
	U	Analyte was not detected at or above the reporting limit.
	B	Compound was found in the blank and sample.
	*	LCS, LCSD, MS, MSD, MD, or Surrogate exceeds the control limits
	N	MS, MSD: Spike recovery exceeds upper or lower control limits.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
General Chemistry		
	U	Analyte was not detected at or above the reporting limit.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-14771-1
Sdg Number: 68014771

Method Blank - Batch: 680-39467

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID: MB 680-39323/5-C
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/22/2006 1809
Date Prepared: 03/21/2006 1051
Date Leached: 03/20/2006 1059

Analysis Batch: 680-39764
Prep Batch: 680-39467
Units: mg/L

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 5 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Arsenic	0.052	U	0.052	0.20
Barium	0.012	U	0.012	1.0
Cadmium	0.010	U	0.010	0.10
Chromium	0.0095	U	0.0095	0.20
Lead	0.035	U	0.035	0.20
Selenium	0.054	U	0.054	0.50
Silver	0.010	U	0.010	0.10

Laboratory Control Sample - Batch: 680-39467

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID: LCS 680-39467/6-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/22/2006 1813
Date Prepared: 03/21/2006 1051

Analysis Batch: 680-39764
Prep Batch: 680-39467
Units: mg/L

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 5 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	20.0	20	99	75 - 125	
Barium	20.0	21	104	75 - 125	
Cadmium	0.500	0.49	97	75 - 125	
Chromium	2.00	2.0	100	75 - 125	
Lead	5.00	5.0	99	75 - 125	
Selenium	20.0	19	95	75 - 125	
Silver	0.500	0.50	100	75 - 125	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-14771-1
Sdg Number: 68014771

Method Blank - Batch: 680-39468

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 680-39468/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/22/2006 1726
Date Prepared: 03/21/2006 1059

Analysis Batch: 680-39761
Prep Batch: 680-39468
Units: mg/Kg

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Arsenic	0.67	U	0.67	2.5
Silver	0.099	U	0.099	1.0
Barium	0.30	U	0.30	1.0
Cadmium	0.22	U	0.22	0.75
Chromium	0.14	J	0.13	1.0
Lead	0.25	J	0.21	0.75
Selenium	0.90	U	0.90	3.0
Beryllium	0.017	U	0.017	0.40
Nickel	0.26	U	0.26	4.0

Laboratory Control Sample - Batch: 680-39468

Method: 6010B
Preparation: 3050B

Lab Sample ID: LCS 680-39468/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/22/2006 1731
Date Prepared: 03/21/2006 1059

Analysis Batch: 680-39761
Prep Batch: 680-39468
Units: mg/Kg

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	200	190	94	75 - 125	
Silver	5.00	4.7	95	75 - 125	
Barium	200	200	102	75 - 125	
Cadmium	5.00	4.7	94	75 - 125	
Chromium	20.0	20	98	75 - 125	
Lead	50.0	48	95	75 - 125	
Selenium	200	180	89	75 - 125	
Beryllium	5.00	5.1	102	75 - 125	
Nickel	50.0	50	99	75 - 125	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-14771-1
Sdg Number: 68014771

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-39468

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	680-14771-1	Analysis Batch: 680-39761	Instrument ID: ICP/AES
Client Matrix:	Solid	Prep Batch: 680-39468	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 1.12 g
Date Analyzed:	03/22/2006 1750		Final Weight/Volume: 100 mL
Date Prepared:	03/21/2006 1059		

MSD Lab Sample ID:	680-14771-1	Analysis Batch: 680-39761	Instrument ID: ICP/AES
Client Matrix:	Solid	Prep Batch: 680-39468	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 1.12 g
Date Analyzed:	03/22/2006 1754		Final Weight/Volume: 100 mL
Date Prepared:	03/21/2006 1059		

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Arsenic	95	94	75 - 125	1	20		
Silver	96	95	75 - 125	2	20		
Barium	101	100	75 - 125	1	20		
Cadmium	102	97	75 - 125	4	20		
Chromium	96	123	75 - 125	13	20		
Lead	92	144	75 - 125	32	20		N*
Beryllium	102	102	75 - 125	0	20		
Selenium	89	88	75 - 125	1	20		
Nickel	100	97	75 - 125	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-14771-1
Sdg Number: 68014771

Method Blank - Batch: 680-39571

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID: MB 680-39571/6-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/22/2006 1611
Date Prepared: 03/22/2006 0925

Analysis Batch: 680-39693
Prep Batch: 680-39571
Units: mg/L

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 0.50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	0.0080	U	0.0080	0.020

Laboratory Control Sample - Batch: 680-39571

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID: LCS 680-39571/7-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/22/2006 1614
Date Prepared: 03/22/2006 0925

Analysis Batch: 680-39693
Prep Batch: 680-39571
Units: mg/L

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 0.50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.250	0.26	106	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-14771-1
Sdg Number: 68014771

Method Blank - Batch: 680-39604

Method: 7471A
Preparation: 7471A

Lab Sample ID: MB 680-39604/10-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/22/2006 1915
Date Prepared: 03/22/2006 1108

Analysis Batch: 680-39710
Prep Batch: 680-39604
Units: mg/Kg

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	0.0040	U	0.0040	0.020

Laboratory Control Sample - Batch: 680-39604

Method: 7471A
Preparation: 7471A

Lab Sample ID: LCS 680-39604/11-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/22/2006 1917
Date Prepared: 03/22/2006 1108

Analysis Batch: 680-39710
Prep Batch: 680-39604
Units: mg/Kg

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.125	0.12	98	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-39604

Method: 7471A
Preparation: 7471A

MS Lab Sample ID: 680-14771-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/22/2006 1949
Date Prepared: 03/22/2006 1108

Analysis Batch: 680-39710
Prep Batch: 680-39604

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 1.02 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 680-14771-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/22/2006 1958
Date Prepared: 03/22/2006 1108

Analysis Batch: 680-39710
Prep Batch: 680-39604

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 1.02 g
Final Weight/Volume: 50 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	89	113	80 - 120	13	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-14771-1
Sdg Number: 68014771

Method Blank - Batch: 680-39830

Method: 9060
Preparation: N/A

Lab Sample ID: MB 680-39830/1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/23/2006 1520
Date Prepared: N/A

Analysis Batch: 680-39830
Prep Batch: N/A
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mg
Final Weight/Volume:

Analyte	Result	Qual	MDL	RL
Total Organic Carbon	390	U	390	1000

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 680-39830

Method: 9060
Preparation: N/A

LCS Lab Sample ID: LCS 680-39830/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/23/2006 1520
Date Prepared: N/A

Analysis Batch: 680-39830
Prep Batch: N/A
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 20.2 mg
Final Weight/Volume:

LCSD Lab Sample ID: LCSD 680-39830/3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/23/2006 1520
Date Prepared: N/A

Analysis Batch: 680-39830
Prep Batch: N/A
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 20.2 mg
Final Weight/Volume:

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Organic Carbon	86	86	60 - 140	1	40		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-14771-1
Sdg Number: 68014771

Matrix Duplicate - Batch: 680-39830

Method: 9060
Preparation: N/A

Lab Sample ID: 680-14771-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/23/2006 1520
Date Prepared: N/A

Analysis Batch: 680-39830
Prep Batch: N/A
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 101.6 mg
Final Weight/Volume:

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Organic Carbon	13000	11000	22	40	

Calculations are performed before rounding to avoid round-off errors in calculated results.

SIL GA

Chain Of Custody Form

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 2, 10/25/04

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C _____
3) Received in good condition Y or N
4) pH checked by: _____
5) Labels checked by: _____

Project#: Proj. Name: NSN-NLON-SITE7
Company: ANALYTICS Environmental Laboratory LLC
Contact: Stephen Knollmeyer
Address: 195 COMMERCE WAY
PORTSMOUTH, NH 03801
Phone: 603-436-5111 PO# Quote #
Sampler (Signature): P. Andersen

Matrix Key:
WW=Wastewater
SW=Surfacewater
GW=Groundwater
DW=Drinkingwater
S=Soil/Sludge
O=Oil
E=Extract
X=Other

Container Key
P=plastic G=glass

Preservation: Unpres | 4°C | HNO_3 | H_2SO_4 | HCL | Methanol | Other

Station Identification	Sample Date	Sample Time	Analysis	Matrix	Container number/type		pH	Analytics Sample #
NSN-NLON-SITE7-WC-SC-01	3.16.06	1100	RCRA8 Metals	S	1	G		56061-2
			TOC	S	1	G		
			TCLP Metals					

Email RESULTS? YES NO
Email sknollmeyer@analyticslab.com
Fax RESULTS? YES NO
Fax# 603-430-2151

Comments / Instructions:
Please reference Station ID number and AEL Lab number on report(s).
Level IV QC

Turnaround Request
Standard ☐ Due Date _____
Priority ☑ Due Date 3.24.06

TEMP.: 2.6°C
680-14771

Page 1 of 1

Relinquished By Sampler:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
	VPS	UPS			
Date: 3.17.06	Time: 1730	Date: 3/18/06	Time: 1020	Date:	Time:

Analytics\AEL Documents\AEL COC

Chain Of Custody Form

analytics environmental laboratory LLC
195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 2, 10/25/04

Samples were:
1) ~~Shipped~~ or hand-delivered
2) Temp blank °C 1
3) Received in good condition (Y) or N
4) pH checked by: N/a
5) Labels checked by: SLK 3/17/06

Project#: Proj. Name: B NSN-NLON-SITE7

Company: TetraTech ECI

Contact: Rick Woodworth

Address: Buckstown Corp. Campus 820 Town Ctr. Dr. Suite 100
Langhorne PA 19047

Phone: 215-702-4049 PO# 058901 Quote # N/A

Sampler (Signature): Paul W. Anderson

Matrix Key: WW=Wastewater, SW=Surfacewater, GW=Groundwater, DW=Drinkingwater, S=Soil/Sludge, O=Oil, F=Extract, X=Other

Container Key: P=plastic G=glass

Preservation: Unpres, 4°C, HNO_3, H_2SO_4, HCL, Methanol, Other

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4°C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
B NJ3-24Q6 NSN-NLON-SITE7-WC-SL-01	3-16-06	1100	TPH(GRO) VOC 8260		✓				✓		S	1	G		56051-2
			%Solids	✓	✓						S	1	G		2
All alloquoits for 1 waste characterization sample.			Flashpoint	✓	✓						S	2	G		2
			TCLP VOC	✓	✓						S	1	G		1
			TOC	✓	✓						S	1	G		2
			RCRA 8 Metals	✓	✓						S	1	G		2
			Full TCLP	✓	✓						S	2	G		1
			PCB Reactivity, pH/Corr. Soil, TPH, Paint	✓	✓						S	2	G		2

Received By:	Time:	Date:
	11:30	3/16/06

Received By:	Time:	Date:
	1115	3.17.06

Received By:	Time:	Date:

Relinquished By Sampler:	Relinquished By:	Relinquished By:

Email RESULTS? (YES) NO
Email rwoodworth@TTECI.com
Fax RESULTS? YES (NO)
Fax# _____

Comments / Instructions:
Per Rick Woodworth run this WC sample for full list of analyses listed in bid - see attached SLK 3/17/06

Turnaround Request
Standard ☐ Due Date _____
Priority ☒ Due Date 5 day - due 3/24/06

NJ3-2406 per John Corry use NSB not NSN

Page ___ of ___

Analytics\AEL Documents\AEL COC

35/37

analytics environmental laboratory LLC

ANALYTICS SAMPLE RECEIPT CHECKLIST

AEL LAB#: 56051

CLIENT: TetraTech

PROJECT: NSN-NLON-SITE7

COOLER NUMBER: n/a

NUMBER OF COOLERS: 1

DATE RECEIVED: 3.17.06

DATE COOLER OPENED:

A: PRELIMINARY EXAMINATION:

1. Cooler received by(initials): L Date Received: 3.17.06
2. Did cooler come with a shipping slip? (Y) N

If YES, enter carrier name and airbill number here: FedEx 7908 4938 7467

3. Were custody seals on the outside of cooler? Y N
How many & where: 2 unbroken straps Seal Date: n/a Seal Name: n/a
4. Did the custody seals arrive unbroken and intact upon arrival? Y N
5. COC#: n/a
6. Were Custody papers filled out properly (ink,signed, etc)? (Y) N
7. Were custody papers sealed in a plastic bag? (Y) N
8. Did you sign the COC in the appropriate place? (Y) N
9. Was the project identifiable from the COC papers? (Y) N
10. Was enough ice used to chill the cooler? (Y) N Temp. of cooler: 1°C

B. Log-In: Date samples were logged in: 3.17.06 By:

11. Type of packing in cooler(bubble wrap, popcorn) (Y) N
12. Were all bottles sealed in separate plastic bags? (Y) N
13. Did all bottles arrive unbroken and were labels in good condition? (Y) N
14. Were all bottle labels complete(ID,Date,time,etc.) (Y) N
15. Did all bottle labels agree with custody papers? (Y) N see attached
16. Were the correct containers used for the tests indicated: (Y) 3.17.06 N
17. Were samples received at the correct pH? Y (N/a)
18. Was sufficient amount of sample sent for the tests indicated? (Y) N
19. Were bubbles absent in VOA samples? Y (N/a)

If NO, List sample #'s:

20. Laboratory labeling verified by (initials): SLK Date: SLK 3/17/06

Analytics environmental laboratory LLC

SAMPLE RECEIPT
NON-COMPLIANCE NOTIFICATION
(SENT VIA FACSIMILE)

DATE 3-17-06 FROM STEVE KNOLLMEYER

FAX CONTACT RICK WOODWORTH FAX NUMBER 215-702-4045

CLIENT TTEC LAB NUMBER 56051

The exceptions noted below were found on the sample(s) received on the attached Chain of Custody (COC) form. These exceptions may render the data results as non-defensible. Analytics will continue to proceed with the analysis of the sample(s) unless notified in writing to stop the analysis. This document may become part of the final report.

Please check the appropriate box and sign below and fax back to "Sample Receipt" at 603-430-2151.

Exceptions:

☐ Sample(s) not on ice or not at $4^{o}C \pm 2^{o}C$

☐ Sample(s) received unpreserved or not at the proper pH. (pH was adjusted at the laboratory)

☐ Sample(s) received in incorrect containers

☐ Insufficient sample volume received (Detection limits may be elevated due to this exception)

☐ Trip Blank provided in cooler, but not recorded on the chain of custody

☒ Other: Chain Sample ID is different than Container, Pick one
COC = NSN-NLON-SITE7-WC-SL-01
CONTAINERS = NSB-NLON-SITE7-WC-SL-01 ← *

Acknowledgment:

☐ **Please do not analyze/report Trip Blank, proceed with other analyses**

☒ **Proceed with the analysis.**

☐ **Please stop the analysis and wait for further instructions.**

Signed: _____ **Print Name:** RICK WOODWORTH

Date: 3/17/06

* USE "NSB" ID

analytics environmental laboratory LLC

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Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

Report Number: 56051

Revision: Rev. 1

Re: NSB-NLON-SITE7 **CTO 8**

Enclosed are the results of the analyses on your sample(s). Samples were received on 17 March 2006 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
56051-1	03/16/06	NSB-NLON-SITE7-WC-SL-01	EPA 8081(TCLP Pesticides)	
	03/16/06	NSB-NLON-SITE7-WC-SL-01	EPA 8151(TCLP Herbicides)	
	03/16/06	NSB-NLON-SITE7-WC-SL-01	EPA 8260 (TCLP Volatile Organics)	
	03/16/06	NSB-NLON-SITE7-WC-SL-01	EPA 8270 (TCLP Semivolatiles)	
	03/16/06	NSB-NLON-SITE7-WC-SL-01	TCLP Extraction	
	03/16/06	NSB-NLON-SITE7-WC-SL-01	TCLP Zero Headspace Extraction	
56051-2	03/16/06	NSB-NLON-SITE7-WC-SL-01	Cyanide Reactivity	
	03/16/06	NSB-NLON-SITE7-WC-SL-01	EPA 1010 Flashpoint	
	03/16/06	NSB-NLON-SITE7-WC-SL-01	EPA 8082 (PCBs only)	
	03/16/06	NSB-NLON-SITE7-WC-SL-01	EPA 8100 - TPH	
	03/16/06	NSB-NLON-SITE7-WC-SL-01	EPA 8260 Volatile Organics	
	03/16/06	NSB-NLON-SITE7-WC-SL-01	EPA 8270 Acid/Base Neutrals	
	03/16/06	NSB-NLON-SITE7-WC-SL-01	EPA 9095 Paint Filter Liquids Test	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, North Carolina, New York, Virginia, Pennsylvania and is validated by the U.S. Army Corps of Engineers (MRD) and U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 04/07/06

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analytics environmental laboratory LLC

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Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

Report Number: 56051

Revision: Rev. 1

Re: NSB-NLON-SITE7

CTO 8

Enclosed are the results of the analyses on your sample(s). Samples were received on 17 March 2006 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
	03/16/06	NSB-NLON-SITE7-WC-SL-01	RCRA Metals	
	03/16/06	NSB-NLON-SITE7-WC-SL-01	Sulfide Reactivity	
	03/16/06	NSB-NLON-SITE7-WC-SL-01	SW-846 9045 pH in Solid	
	03/16/06	NSB-NLON-SITE7-WC-SL-01	TCLP Extraction	
	03/16/06	NSB-NLON-SITE7-WC-SL-01	TCLP RCRA Metals	
	03/16/06	NSB-NLON-SITE7-WC-SL-01	Total Organic Carbon in Solid Matrices	

Sample Receipt Exceptions: None

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If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 04/07/06

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analytics environmental laboratory LLC

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Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

March 24, 2006

CLIENT SAMPLE ID

Project Name: NSB-NLON-SITE7

Project Number: CTO 8

Field Sample ID: LAB QC

SAMPLE DATA

Lab Sample ID: MB03206C
Matrix: Solid
Percent Solid: 100
Dilution Factor: 100
Collection Date: N/A
Lab Receipt Date: N/A
Analysis Date: 03/20/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	100	U	1,3-Dichloropropane	100	U
Bromobenzene	100	U	cis-1,3-Dichloropropene	100	U
Bromochloromethane	100	U	trans-1,3-Dichloropropene	100	U
Bromodichloromethane	75	U	2,2-Dichloropropane	100	U
Bromoform	75	U	1,1-Dichloropropene	100	U
Bromomethane	100	U	Ethylbenzene	100	U
n-butylbenzene	100	U	Hexachlorobutadiene	100	U
sec-butylbenzene	100	U	Isopropylbenzene	100	U
tert-butylbenzene	100	U	p-isopropyltoluene	100	U
Carbon Tetrachloride	100	U	Methylene Chloride	500	U
Chlorobenzene	100	U	Methyl-tert-butyl ether (MTBE)	100	U
Chloroethane	100	U	Naphthalene	100	U
Chloroform	75	U	n-Propylbenzene	100	U
Chloromethane	100	U	Styrene	100	U
2-Chlorotoluene	100	U	1,1,1,2-Tetrachloroethane	100	U
4-Chlorotoluene	100	U	1,1,2,2-Tetrachloroethane	75	U
Dibromochloromethane	75	U	Tetrachloroethene	100	U
1,2-Dibromo-3-chloropropane	100	U	Toluene	100	U
1,2-Dibromoethane	75	U	1,2,3-Trichlorobenzene	100	U
Dibromomethane	100	U	1,2,4-Trichlorobenzene	100	U
1,2-Dichlorobenzene	100	U	1,1,1-Trichloroethane	100	U
1,3-Dichlorobenzene	100	U	1,1,2-Trichloroethane	75	U
1,4-Dichlorobenzene	100	U	Trichloroethene	100	U
Dichlorodifluoromethane	100	U	Trichlorofluoromethane	100	U
1,1-Dichloroethane	100	U	1,2,3-Trichloropropane	100	U
1,2-Dichloroethane	75	U	1,2,4-Trimethylbenzene	100	U
1,1-Dichloroethene	75	U	1,3,5-Trimethylbenzene	100	U
cis-1,2-Dichloroethene	100	U	Vinyl Chloride	100	U
trans-1,2-Dichloroethene	100	U	o-Xylene	100	U
1,2-Dichloropropane	75	U	m,p-Xylene	100	U
Acetone	1000	U	Diethyl ether	100	U
Carbon Disulfide	100	U	2-Hexanone	1000	U
Tetrahydrofuran	500	U	Methyl isobutyl ketone	1000	U
Methyl ethyl ketone	1000	U	Di-isopropyl ether (DIPE)	100	U
t-Butyl alcohol (TBA)	2000	U	Ethyl t-butyl ether (ETBE)	100	U
t-Amyl methyl ether (TAME)	100	U			

Surrogate Standard Recovery

Dibromofluoromethane	94	%	d4-1,2-Dichloroethane	96	%	d8-Toluene	92	% Bromofluorobenzene	91 %

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

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

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

8260 full (4)

Authorized signature

analytics environmental laboratory LLC

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800-929-9906

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

March 24, 2006

CLIENT SAMPLE ID

Project Name: NSB-NLON-SITE7

Project Number: CTO 8

Field Sample ID: NSB-NLON-SITE7-WC-SL-01

SAMPLE DATA

Lab Sample ID:	56051-1
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	100
Collection Date:	03/16/06
Lab Receipt Date:	03/17/06
TCLP Extraction Date:	03/20/06
Analysis Date:	03/23/06

ANALYTICAL RESULTS
TCLP VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	Regulatory Limit µg/L	Matrix Spike Percent Recovery
Vinyl chloride	200	U	200	103
Trichloroethene	200	U	500	109
Tetrachloroethene	200	U	700	98
Chloroform	200	U	6,000	105
Carbon tetrachloride	200	U	500	113
1,1-Dichloroethene	200	U	700	103
1,2-Dichloroethane	200	U	500	98
Chlorobenzene	200	U	100,000	111
Benzene	200	U	500	107
Methyl ethyl ketone	1000	U	200,000	107

Surrogate Standard Recovery

Dibromofluoromethane	99 %	d4-1,2-Dichloroethane	105 %	d8-Toluene	100 %	Bromofluorobenzene	100 %

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

METHODOLOGY: TCLP sample extraction was performed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 1311." TCLP extract analysis was conducted according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8260B."

COMMENTS:

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
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603-436-5111 Fax 603-430-2151
800-929-9906

March 24, 2006

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100

CLIENT SAMPLE ID

Project Name: NSB-NLON-SITE7

Project Number: CTO 8

Field Sample ID: NSB-NLON-SITE7-WC-SL-01

SAMPLE DATA

Lab Sample ID:	56051-1
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	5.0
Collection Date:	03/16/06
Lab Receipt Date:	03/17/06
TCLP Extraction Date:	03/20/06
Preparative Extraction Date:	03/21/06
Analysis Date:	03/22/06

ANALYTICAL RESULTS TCLP SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	Regulatory Limit µg/L	Matrix Spike Percent Recovery
2-Methylphenol	25	U	200,000	64
3+4-Methylphenol	25	U	200,000	63
1,4-Dichlorobenzene	10	U	7,500	60
2,4-Dinitrotoluene	10	U	130	88
Hexachlorobenzene	10	U	130	84
Hexachlorobutadiene	10	U	500	56
Hexachloroethane	10	U	3,000	54
Nitrobenzene	10	U	2,000	81
Pentachlorophenol	50	U	100,000	70
Pyridine	10	U	5,000	47
2,4,5-Trichlorophenol	25	U	400,000	85
2,4,6-Trichlorophenol	25	U	2,000	75

Surrogate Standard Recovery

2-Fluorophenol	40 %	d5-Phenol	29 %	d5-nitrobenzene	72 %
2-Fluorobiphenyl	70 %	2,4,6-Tribromophenol	70 %	d14-p-terphenyl	66 %

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

METHODOLOGY: TCLP sample extraction was performed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 1311." TCLP extract analysis was conducted according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8270c."

COMMENTS:

Authorized signature

analytics environmental laboratory LLC

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800-929-9906

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

March 23, 2006

CLIENT SAMPLE ID

Project Name: NSB-NLON-SITE7

Project Number: CTO 8

Field Sample ID: NSB-NLON-SITE7-WC-SL-01

SAMPLE DATA

Lab Sample ID:	56051-1
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	4.0
Collection Date:	03/16/06
Lab Receipt Date:	03/17/06
TCLP Extraction Date:	03/20/06
Extraction Date:	03/21/06
Analysis Date:	03/21/06

TCLP ORGANOCHLORINE PESTICIDE RESULTS

COMPOUND	Quantitation Limit µg/L	Results µg/L	Regulatory Limit µg/L	Matrix Spike Percent Recovery
Chlordane	8	U	30	90
Endrin	8	U	20	112
Heptachlor	8	U	8	102
Heptachlor Epoxide	8	U	8	100
Lindane	8	U	400	102
Methoyxchlor	8	U	10,000	107
Toxaphene	8	U	500	83

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	90	%
Decachlorobiphenyl	79	%

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

METHODOLOGY: TCLP sample extraction was performed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 1311." TCLP extract analysis was conducted according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8081."

COMMENTS:

Authorized signature

analytics environmental laboratory LLC

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

March 24, 2006

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

CLIENT SAMPLE ID

Project Name: NSB-NLON-SITE7
Project Number: CTO 8
Client Sample ID: NSB-NLON-SITE7-WC-SL-01

SAMPLE DATA

Lab Sample ID:	56051-1
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	5
Collection Date:	03/16/06
Lab Receipt Date:	03/17/06
TCLP Extraction Date:	03/20/06
Extraction Date:	03/21/06
Analysis Date:	03/23/06

TCLP CHLORINATED HERBICIDE RESULTS

COMPOUND	Quantitation Limit µg/L	Results µg/L	Regulatory Limit µg/L	Matrix Spike Percent Recovery
2,4-D	5	U	10,000	90%
2,4,5-TP (Silvex)	5	U	1,000	105%

Surrogate Standard Recovery

2,4-Dichlorophenylacetic acid 80 %

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

METHODOLOGY: TCLP sample extraction was performed according to Test Methods for Evaluating Solid Waste, SW-846 Method 1311. TCLP extract analysis was conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8151.

COMMENTS:

Authorized signature

analytics environmental laboratory LLC

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

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

April 7, 2006

CLIENT SAMPLE ID

Project Name: NSB-NLON-SITE7

Project Number: CTO 8

Field Sample ID: NSB-NLON-SITE7-WC-SL-01

SAMPLE DATA

Lab Sample ID: 56051-2
Matrix: Solid
Percent Solid: 88
Dilution Factor: 102
Collection Date: 03/16/06
Lab Receipt Date: 03/17/06
Analysis Date: 03/20/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	102	U	1,3-Dichloropropane	102	U
Bromobenzene	102	U	cis-1,3-Dichloropropene	102	U
Bromochloromethane	102	U	trans-1,3-Dichloropropene	102	U
Bromodichloromethane	76	U	2,2-Dichloropropane	102	U
Bromoform	76	U	1,1-Dichloropropene	102	U
Bromomethane	102	U	Ethylbenzene	102	U
n-butylbenzene	102	U	Hexachlorobutadiene	102	U
sec-butylbenzene	102	U	Isopropylbenzene	102	U
tert-butylbenzene	102	U	p-isopropyltoluene	102	U
Carbon Tetrachloride	102	U	Methylene Chloride	508	U
Chlorobenzene	102	**275**	Methyl-tert-butyl ether (MTBE)	102	U
Chloroethane	102	U	Naphthalene	102	U
Chloroform	76	U	n-Propylbenzene	102	U
Chloromethane	102	U	Styrene	102	U
2-Chlorotoluene	102	U	1,1,1,2-Tetrachloroethane	102	U
4-Chlorotoluene	102	U	1,1,2,2-Tetrachloroethane	76	U
Dibromochloromethane	76	U	Tetrachloroethene	102	U
1,2-Dibromo-3-chloropropane	102	U	Toluene	102	U
1,2-Dibromoethane	76	U	1,2,3-Trichlorobenzene	102	U
Dibromomethane	102	U	1,2,4-Trichlorobenzene	102	U
1,2-Dichlorobenzene	102	U	1,1,1-Trichloroethane	102	U
1,3-Dichlorobenzene	102	U	1,1,2-Trichloroethane	76	U
1,4-Dichlorobenzene	102	**371**	Trichloroethene	102	U
Dichlorodifluoromethane	102	U	Trichlorofluoromethane	102	U
1,1-Dichloroethane	102	U	1,2,3-Trichloropropane	102	U
1,2-Dichloroethane	76	U	1,2,4-Trimethylbenzene	102	U
1,1-Dichloroethene	76	U	1,3,5-Trimethylbenzene	102	U
cis-1,2-Dichloroethene	102	U	Vinyl Chloride	102	U
trans-1,2-Dichloroethene	102	U	o-Xylene	102	U
1,2-Dichloropropane	76	U	m,p-Xylene	102	U
Acetone	1020	U	Diethyl ether	102	U
Carbon Disulfide	102	U	2-Hexanone	1020	U
Tetrahydrofuran	508	U	Methyl isobutyl ketone	1020	U
Methyl ethyl ketone	1020	U	Di-isopropyl ether (DIPE)	102	U
t-Butyl alcohol (TBA)	2030	U	Ethyl t-butyl ether (ETBE)	102	U
t-Amyl methyl ether (TAME)	102	U			

Surrogate Standard Recovery

Dibromofluoromethane	75	%	d4-1,2-Dichloroethane	76	%	d8-Toluene	75	% Bromofluorobenzene	73 %

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

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

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

8260 full (4)

Authorized signature

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Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100

April 7, 2006

CLIENT SAMPLE ID

Project Name: NSB-NLON-SITE7

Project Number: CTO 8

Field Sample ID: NSB-NLON-SITE7-WC-SL-01

SAMPLE DATA

Lab Sample ID: 56051-2
Matrix: Solid
Percent Solid: 88
Dilution Factor: 2.2
Collection Date: 03/16/06
Lab Receipt Date: 03/17/06
Extraction Date: 03/22/06
Analysis Date: 03/24/06

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg	ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg
2-Chlorophenol	550	U	Pentachlorophenol	550	U
4-Chloro-3-methylphenol	550	U	Phenol	550	U
2,4-Dichlorophenol	550	U	2,4,5-Trichlorophenol	550	U
2,4-Dimethylphenol	550	U	2,4,6-Trichlorophenol	550	U
2,4-dinitrophenol	550	U	Benzoic Acid	550	U
4,6-Dinitro-2-methylphenol	550	U	2-Methylphenol	550	U
2-Nitrophenol	550	U	3+4-Methylphenol	550	U
2,6-Dichlorophenol	550	U	Benzyl Alcohol	550	U
4-Nitrophenol	550	U	2,3,4,6-Tetrachlorophenol	550	U

Acid Surrogate Standard Recovery

2-Fluorophenol	57 %	d5-Phenol	71 %	2,4,6-Tribromophenol	82 %

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
1,2-Dichlorobenzene	550	U	Hexachlorobenzene	550	U
1,3-Dichlorobenzene	550	U	* Benzidine	550	U
1,4-Dichlorobenzene	550	U	3,3'-Dichlorobenzidine	550	U
2,4-Dinitrotoluene	550	U	Azobenzene	550	U
2,6-Dinitrotoluene	550	U	Bis(2-chloroethoxy)methane	550	U
Nitrobenzene	550	U	bis(2-chloroethyl) ether	550	U
Hexachlorobutadiene	550	U	bis(2-chloroisopropyl)ether	550	U
Dimethyl Phthalate	550	U	4-bromophenyl phenyl ether	550	U
Di-n-butyl phthalate	550	U	Butyl benzyl phthalate	550	U
di-n-octyl-phthalate	550	U	4-Chlorophenyl phenyl ether	550	U
Bis (2-ethylhexyl) phthalate	550	U	Diethyl Phthalate	550	U
1,2,4-Trichlorobenzene	550	U	Hexachlorocyclopentadiene	550	U

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

Authorized signature Melissa Hull

8270/625 layout

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April 7, 2006

CLIENT SAMPLE ID

Project Name: NSB-NLON-SITE7

Project Number: CTO 8

Field Sample ID: NSB-NLON-SITE7-WC-SL-01

SAMPLE DATA

Lab Sample ID: 56051-2
Matrix: Solid
Percent Solid: 88
Dilution Factor: 2.2
Collection Date: 03/16/06
Lab Receipt Date: 03/17/06
Extraction Date: 03/22/06
Analysis Date: 03/24/06

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Acenaphthene	550	U	N-nitrosodimethylamine	550	U
Acenaphthylene	550	**615**	N-nitroso-di-n-propylamine	550	U
Anthracene	550	**555**	n-nitrosodiphenylamine	550	U
Benzo[a]anthracene	550	**2780**	Pyridine	550	U
Benzo[a] pyrene	550	**3070**	2-Methylnaphthalene	550	U
Benzo[b] fluoranthene	550	**2560**	2-Chloronaphthalene	550	U
Benzo[k] fluoranthene	550	**2010**	Naphthalene	550	U
Benzo(g,h,i) perylene	550	**894**	Phenanthrene	550	**2130**
Chrysene	550	**2840**	Dibenzofuran	550	U
Dibenz [a,h] anthracene	550	**411 J**	Aniline	550	U
Fluoranthene	550	**4370**	4-Chloroaniline	550	U
Fluorene	550	U	2-Nitroaniline	550	U
Indeno [1,2,3-cd] pyrene	550	**1430**	3-Nitroaniline	550	U
Pyrene	550	**4190**	4-Nitroaniline	550	U
Hexachloroethane	550	U	Carbazole	550	U
Isophorone	550	U			

Base Neutral Surrogate Standard Recovery

2-Fluorobiphenyl	72	%	d5-nitrobenzene	66	%	d14-p-terphenyl	68 %

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: *Due to the reactive nature of this compound, the Benzidine quantitation limit is estimated.
Results are expressed on a dry weight basis.

8270/625 layout

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April 7, 2006

CLIENT SAMPLE ID

Project Name: NSB-NLON-SITE7

Project Number: CTO 8

Field Sample ID: NSB-NLON-SITE7-WC-SL-01

SAMPLE DATA

Lab Sample ID: 56051-2
Matrix: Solid
Percent Solid: 88
Dilution Factor: 1.1
Collection Date: 03/16/06
Lab Receipt Date: 03/17/06
Extraction Date: 03/20/06
Analysis Date: 03/21/06

ANALYTICAL RESULTS

DIESEL RANGE ORGANICS (C10-C28)

Result	Units	Quantitation Limit
102	mg/kg	6

Surrogate Standard Recovery

m-Terphenyl 184 * %

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

METHODOLOGY: Aqueous samples prepared by Separatory Funnel Liquid/Liquid Extraction, "Test Methods for Evaluating Solid Waste," Method 3510C; other matrices prepared by Pressurized Fluid Extraction, "Test Methods for Evaluating Solid Waste," Method 3545.

All matrices analyzed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8100"

COMMENTS: Results are expressed on a dry weight basis. Chromatogram contains peaks which elute after the DRO window.

* Surrogate recovery affected by sample matrix.

8100

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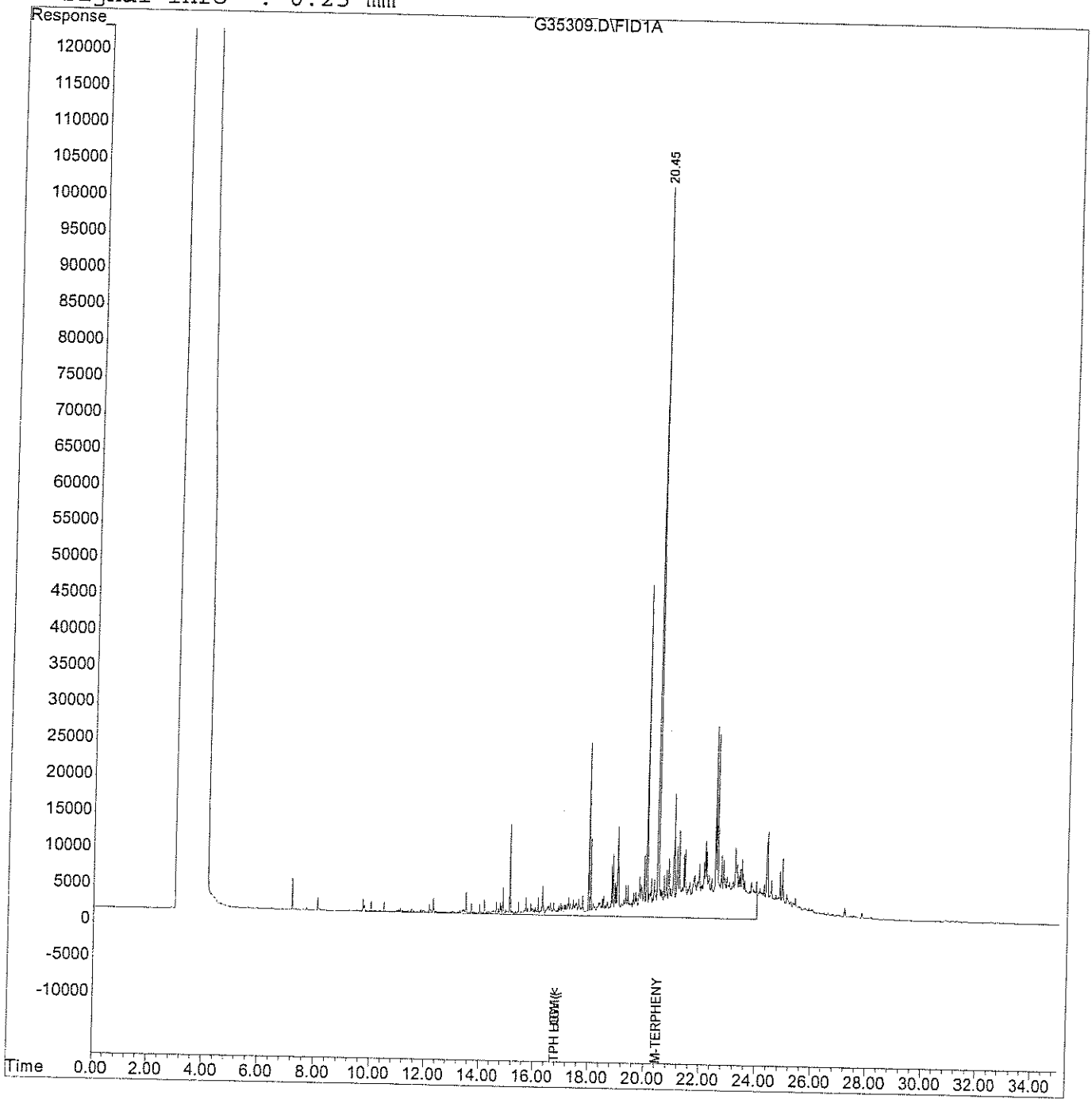
Data File : D:\HPCHEM\2\DATA\032006-G\G35309.D
Acq On : 21 Mar 2006 1:56 am
Sample : 56051-2
Misc : SOIL
IntFile : AUTOINT1.E
Quant Time: Mar 21 8:42 2006 Quant Results File: T03066A.RES

Vial: 26
Operator:
Inst : Instr. G
Multiplr: 1.00

Quant Method : C:\HPCHEM\2\METHODS\T03066A.M (Chemstation Integrator)
Title : DRO
Last Update : Tue Mar 07 10:49:37 2006
Response via : Multiple Level Calibration
DataAcq Meth : TPHEPH1.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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April 7, 2006

CLIENT SAMPLE ID

Project Name: NSB-NLON-SITE7
Project Number: CTO 8
Client Sample ID: NSB-NLON-SITE7-WC-SL-01

SAMPLE DATA

Lab Sample ID: 56051-2
Matrix: Solid
Percent Solid: 88%
Dilution Factor: 25
Collection Date: 03/16/06
Lab Receipt Date: 03/17/06
Analysis Date: 03/31/06

ANALYTICAL RESULTS TOTAL GASOLINE

Result	Units	Detection Limit
U	µg/kg	570

Surrogate Standard Recovery

Trifluorotoluene	79%

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

METHODOLOGY: Sample analysis conducted according to: Test Methods for Evaluating Solid Waste, Method 8015B .

COMMENTS: **Results expressed on a dry weight basis. Sample collection was not in accordance with SW-846 method 5035.**

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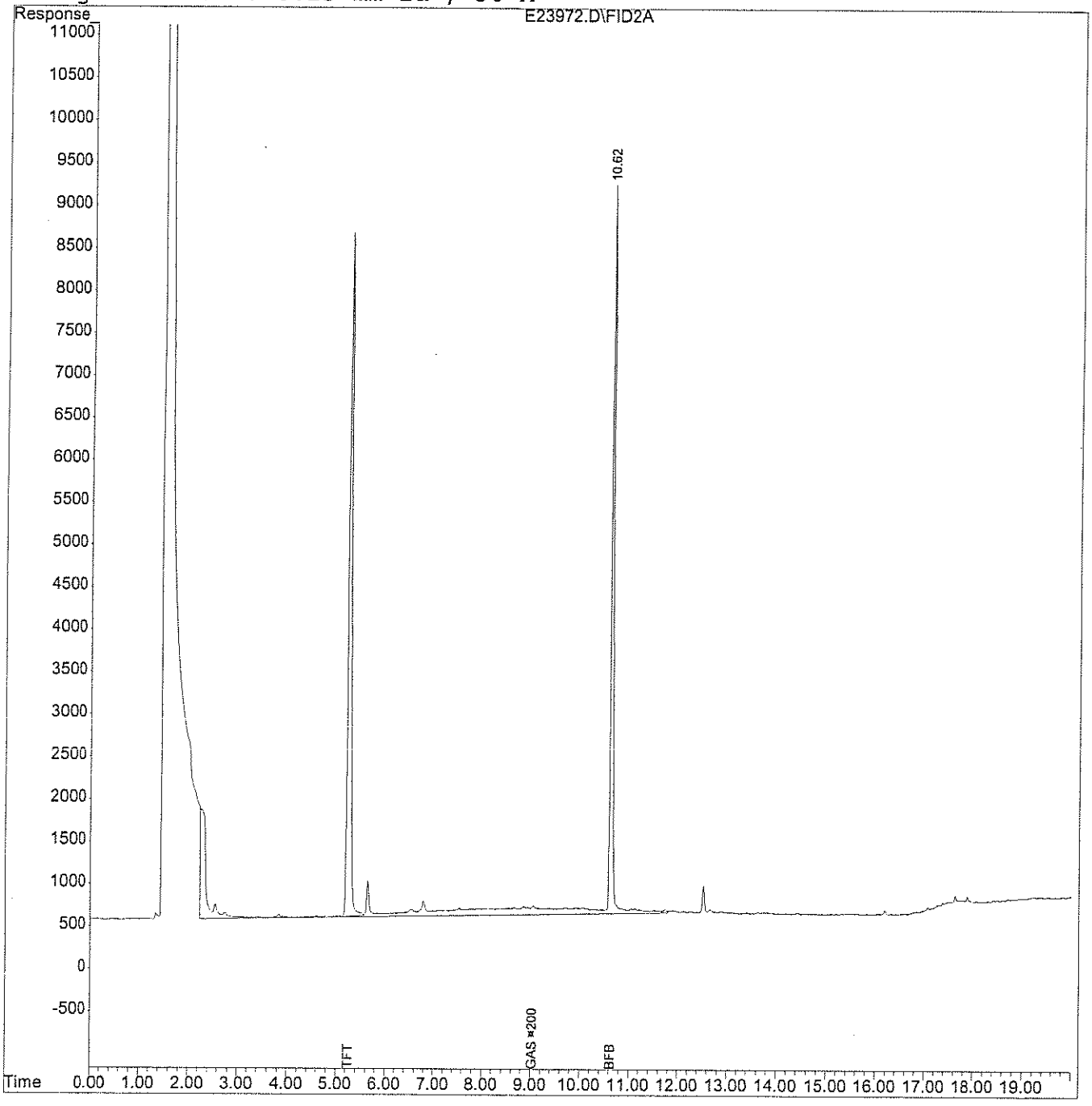
Data File : C:\HPCHEM\1\DATA\033006-E\E23972.D Vial: 6
Acq On : 31 Mar 2006 4:22 am Operator:
Sample : 56051-2 Inst : Instrumen
Misc : 100,5.22,SOIL Multiplr: 1.00
IntFile : GLO.E
Quant Time: Mar 31 8:20 2006 Quant Results File: GAS01276.RES

Quant Method : C:\HPCHEM\1\METHODS\GAS01276.M (Chemstation Integrator)
Title : GAS
Last Update : Sat Jan 28 00:04:55 2006
Response via : Multiple Level Calibration
DataAcq Meth : GRO.M

Volume Inj. : Purge & Trap
Signal Phase : DB-502.2
Signal Info : 0.25 mm id , 30 M



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April 7, 2006

CLIENT SAMPLE ID

Project Name: NSB-NLON-SITE7

Project Number: CTO 8

Field Sample ID: NSB-NLON-SITE7-WC-SL-01

SAMPLE DATA

Lab Sample ID: 56051-2
Matrix: Solid
Percent Solid: 88
Dilution Factor: 1.1
Collection Date: 03/16/06
Lab Receipt Date: 03/17/06
Extraction Date: 03/20/06
Analysis Date: 03/20/06

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	17	U
PCB-1221	17	U
PCB-1232	17	U
PCB-1242	17	U
PCB-1248	17	U
PCB-1254	17	U
PCB-1260	17	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	89	%
Decachlorobiphenyl	102	%

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

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

Authorized signature Melissa Tall

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April 7, 2006

CLIENT SAMPLE ID

Project Name: NSB-NLON-SITE7
Project Number: CTO 8
Client Sample ID: NSB-NLON-SITE7-WC-SL-01

SAMPLE DATA

Lab Sample ID: 56051-2
Matrix: Solid
Collection Date: 03/16/06 Time Collected: 11:00
Lab Receipt Date: 03/17/06
Analysis Date: 03/20/06 Time Analyzed: 11:14

pH ANALYSIS

Sample	Result	Units
56051-2	**6.8**	pH Units

METHODOLOGY: Sample analyzed according to "EPA SW 846 Method 9045 pH in solid"

COMMENTS: **Results are expressed on a dry weight basis.**

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April 7, 2006

CLIENT SAMPLE ID

Project Name: NSB-NLON-SITE7
Project Number: CTO 8
Client Sample ID: NSB-NLON-SITE7-WC-SL-01

SAMPLE DATA

Lab Sample ID: 56051-2
Matrix: Solid
Collection Date: 03/16/06 11:00
Lab Receipt Date: 03/17/06
Analysis Date: 03/20/06

Flash Point Analysis

Sample	Result	Units
56051-2	>165	° Fahrenheit

METHODOLOGY: Sample analysis was conducted according to "Test Methods for Evaluating Solid Waste, EPA SW-846, Method 1010."

COMMENTS:

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April 7, 2006

CLIENT SAMPLE ID

Project Name: NSB-NLON-SITE7
Project Number: CTO 8
Client Sample ID: NSB-NLON-SITE7-WC-SL-01

SAMPLE DATA

Lab Sample ID: 56051-2
Matrix: Solid
Percent Solid 88%
Collection Date: 03/16/06 11:00
Lab Receipt Date: 03/17/06
Analysis Date: 03/23/06

REACTIVITY

	Result	Units	Detection Limit	Dilution Factor
Sulfide Reactivity	U	mg/kg	11	1
Cyanide Reactivity	U	mg/kg	11	0.9

U denotes undetected

METHODOLOGY: As of July 2005 EPA has withdrawn these methods from Test Methods for Evaluating Solid Waste ,SW-856. Sulfide reactivity analysis by Modified Method 7.3.4.2. and Cyanide reactivity analysis Cyanide by Modified Method 7.3.3.2."

Note: In July 2005 EPA withdrew the above reactivity methods from "Test Methods for Evaluating Solid Waste, SW-846". These methoods are being analyzed to satisfy requirements for permit-holders only.

COMMENTS: **Results are expressed on a dry weight basis.**

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April 7, 2006

CLIENT SAMPLE ID

Project Name: NSB-NLON-SITE7
Project Number: CTO 8
Client Sample ID: NSB-NLON-SITE7-WC-SL-01

SAMPLE DATA

Lab Sample ID: 56051-2
Matrix: Solid
Collection Date: 03/16/06
Lab Receipt Date: 03/17/06
Analysis Date: 03/23/06

PAINT FILTER LIQUIDS TEST

Sample	Result
56051-2	**No Free Liquids**

METHODOLOGY: Sample was analyzed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 9095"

COMMENTS:

Authorized signature

SEVERN TRENT STL

ANALYTICAL REPORT

Job Number: 680-14771-1

SDG Number: 68014771

Job Description: NSN-NLON-SITE 7

For:
Analytics Environmental Laboratory, LLC
195 Commerce Way
Suite E
Portsmouth, NH 03801

Attention: Mr. Stephen Knollmeyer

Kathryn Smith

Kathryn Smith
Project Manager I
kesmith@stl-inc.com
03/27/2006

Project Manager: Bernard Kirkland

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the STL Project Manager who signed this report.

ACCREDITED IN ACCORDANCE WITH nelac

METHOD SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-14771-1
Sdg Number: 68014771

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Inductively Coupled Plasma - Atomic Emission Spectrometry	STL-SAV	SW846 6010B	
Toxicity Characteristic Leaching Procedure	STL-SAV		SW846 1311
Acid Digestion of Aqueous Samples and Extracts	STL-SAV		SW846 3010A
Acid Digestion of Sediments, Sludges, and Soils	STL-SAV		SW846 3050B
Mercury in Liquid Waste (Manual Cold Vapor Technique)	STL-SAV	SW846 7470A	
Toxicity Characteristic Leaching Procedure	STL-SAV		SW846 1311
Mercury in Liquid Waste (Manual Cold Vapor	STL-SAV		SW846 7470A
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	STL-SAV	SW846 7471A	
Mercury in Solid or Semi-Solid Waste (Manual	STL-SAV		SW846 7471A
Total Organic Carbon	STL-SAV	SW846 9060	
Percent Moisture	STL-SAV	EPA 160.3	

LAB REFERENCES:

STL-SAV = STL-Savannah

METHOD REFERENCES:

EPA - US Environmental Protection Agency

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-14771-1
Sdg Number: 68014771

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-14771-1	NSN-NLON-SITE7-WC-SC -01	Solid	03/16/2006 1100	03/18/2006 1020

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-14771-1
Sdg Number: 68014771

Client Sample ID: NSN-NLON-SITE7-WC-SC-01

Lab Sample ID: 680-14771-1
Client Matrix: Solid % Moisture: 16.1

Date Sampled: 03/16/2006 1100
Date Received: 03/18/2006 1020

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 03/22/2006 1735
Date Prepared: 03/21/2006 1059

Analysis Batch: 680-39761
Prep Batch: 680-39468

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 1.12 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		2.6	J	0.71	2.7
Silver		0.11	U	0.11	1.1
Barium		67		0.32	1.1
Cadmium		0.23	U	0.23	0.80
Chromium		19		0.14	1.1
Lead		23		0.22	0.80
Selenium		0.96	U	0.96	3.2
Beryllium		0.48		0.018	0.43
Nickel		11		0.28	4.3

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-TCLP

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 03/22/2006 1832
Date Prepared: 03/21/2006 1051
Date Leached: 03/20/2006 1059

Analysis Batch: 680-39764
Prep Batch: 680-39467
Leachate Batch: 680-39323

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 5 mL
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.052	U	0.052	0.20
Barium		0.31	J B	0.012	1.0
Cadmium		0.010	U	0.010	0.10
Chromium		0.0095	U	0.0095	0.20
Lead		0.035	U	0.035	0.20
Selenium		0.054	U	0.054	0.50
Silver		0.010	U	0.010	0.10

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-14771-1
Sdg Number: 68014771

Client Sample ID: NSN-NLON-SITE7-WC-SC-01

Lab Sample ID: 680-14771-1
Client Matrix: Solid

Date Sampled: 03/16/2006 1100
Date Received: 03/18/2006 1020

7470A Mercury in Liquid Waste (Manual Cold Vapor Technique)-TCLP

Method: 7470A
Preparation: 7470A
Dilution: 1.0
Date Analyzed: 03/22/2006 1620
Date Prepared: 03/22/2006 0925
Date Leached: 03/20/2006 1059

Analysis Batch: 680-39693
Prep Batch: 680-39571
Leachate Batch: 680-39323

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 0.50 mL
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		0.0080	U	0.0080	0.020

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 03/22/2006 1941
Date Prepared: 03/22/2006 1108

Analysis Batch: 680-39710
Prep Batch: 680-39604

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 1.02 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.048		0.0047	0.023

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-14771-1
Sdg Number: 68014771

General Chemistry

Client Sample ID: **NSN-NLON-SITE7-WC-SC-01**

Lab Sample ID: 680-14771-1
Client Matrix: Solid

Date Sampled: 03/16/2006 1100
Date Received: 03/18/2006 1020

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	13000		mg/Kg	390	1000	1.0	9060
	Anly Batch: 680-39830	Date Analyzed	03/23/2006 1520				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	16		%	1.0	1.0	160.3
	Anly Batch: 680-39413	Date Analyzed	03/20/2006 1731			
Percent Solids	84		%	1.0	1.0	160.3
	Anly Batch: 680-39413	Date Analyzed	03/20/2006 1731			

DATA REPORTING QUALIFIERS

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-14771-1
Sdg Number: 68014771

Lab Section	Qualifier	Description
Metals		
	U	Analyte was not detected at or above the reporting limit.
	B	Compound was found in the blank and sample.
	*	LCS, LCSD, MS, MSD, MD, or Surrogate exceeds the control limits
	N	MS, MSD: Spike recovery exceeds upper or lower control limits.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
General Chemistry		
	U	Analyte was not detected at or above the reporting limit.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-14771-1
Sdg Number: 68014771

Method Blank - Batch: 680-39467

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID: MB 680-39323/5-C
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/22/2006 1809
Date Prepared: 03/21/2006 1051
Date Leached: 03/20/2006 1059

Analysis Batch: 680-39764
Prep Batch: 680-39467
Units: mg/L

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 5 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Arsenic	0.052	U	0.052	0.20
Barium	0.012	U	0.012	1.0
Cadmium	0.010	U	0.010	0.10
Chromium	0.0095	U	0.0095	0.20
Lead	0.035	U	0.035	0.20
Selenium	0.054	U	0.054	0.50
Silver	0.010	U	0.010	0.10

Laboratory Control Sample - Batch: 680-39467

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID: LCS 680-39467/6-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/22/2006 1813
Date Prepared: 03/21/2006 1051

Analysis Batch: 680-39764
Prep Batch: 680-39467
Units: mg/L

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 5 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	20.0	20	99	75 - 125	
Barium	20.0	21	104	75 - 125	
Cadmium	0.500	0.49	97	75 - 125	
Chromium	2.00	2.0	100	75 - 125	
Lead	5.00	5.0	99	75 - 125	
Selenium	20.0	19	95	75 - 125	
Silver	0.500	0.50	100	75 - 125	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-14771-1
Sdg Number: 68014771

Method Blank - Batch: 680-39468

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 680-39468/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/22/2006 1726
Date Prepared: 03/21/2006 1059

Analysis Batch: 680-39761
Prep Batch: 680-39468
Units: mg/Kg

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Arsenic	0.67	U	0.67	2.5
Silver	0.099	U	0.099	1.0
Barium	0.30	U	0.30	1.0
Cadmium	0.22	U	0.22	0.75
Chromium	0.14	J	0.13	1.0
Lead	0.25	J	0.21	0.75
Selenium	0.90	U	0.90	3.0
Beryllium	0.017	U	0.017	0.40
Nickel	0.26	U	0.26	4.0

Laboratory Control Sample - Batch: 680-39468

Method: 6010B
Preparation: 3050B

Lab Sample ID: LCS 680-39468/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/22/2006 1731
Date Prepared: 03/21/2006 1059

Analysis Batch: 680-39761
Prep Batch: 680-39468
Units: mg/Kg

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	200	190	94	75 - 125	
Silver	5.00	4.7	95	75 - 125	
Barium	200	200	102	75 - 125	
Cadmium	5.00	4.7	94	75 - 125	
Chromium	20.0	20	98	75 - 125	
Lead	50.0	48	95	75 - 125	
Selenium	200	180	89	75 - 125	
Beryllium	5.00	5.1	102	75 - 125	
Nickel	50.0	50	99	75 - 125	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-14771-1
Sdg Number: 68014771

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-39468

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	680-14771-1	Analysis Batch: 680-39761	Instrument ID: ICP/AES
Client Matrix:	Solid	Prep Batch: 680-39468	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 1.12 g
Date Analyzed:	03/22/2006 1750		Final Weight/Volume: 100 mL
Date Prepared:	03/21/2006 1059		

MSD Lab Sample ID:	680-14771-1	Analysis Batch: 680-39761	Instrument ID: ICP/AES
Client Matrix:	Solid	Prep Batch: 680-39468	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 1.12 g
Date Analyzed:	03/22/2006 1754		Final Weight/Volume: 100 mL
Date Prepared:	03/21/2006 1059		

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Arsenic	95	94	75 - 125	1	20		
Silver	96	95	75 - 125	2	20		
Barium	101	100	75 - 125	1	20		
Cadmium	102	97	75 - 125	4	20		
Chromium	96	123	75 - 125	13	20		
Lead	92	144	75 - 125	32	20		N*
Beryllium	102	102	75 - 125	0	20		
Selenium	89	88	75 - 125	1	20		
Nickel	100	97	75 - 125	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-14771-1
Sdg Number: 68014771

Method Blank - Batch: 680-39571

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID: MB 680-39571/6-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/22/2006 1611
Date Prepared: 03/22/2006 0925

Analysis Batch: 680-39693
Prep Batch: 680-39571
Units: mg/L

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 0.50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	0.0080	U	0.0080	0.020

Laboratory Control Sample - Batch: 680-39571

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID: LCS 680-39571/7-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/22/2006 1614
Date Prepared: 03/22/2006 0925

Analysis Batch: 680-39693
Prep Batch: 680-39571
Units: mg/L

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 0.50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.250	0.26	106	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-14771-1
Sdg Number: 68014771

Method Blank - Batch: 680-39604

Method: 7471A
Preparation: 7471A

Lab Sample ID: MB 680-39604/10-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/22/2006 1915
Date Prepared: 03/22/2006 1108

Analysis Batch: 680-39710
Prep Batch: 680-39604
Units: mg/Kg

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	0.0040	U	0.0040	0.020

Laboratory Control Sample - Batch: 680-39604

Method: 7471A
Preparation: 7471A

Lab Sample ID: LCS 680-39604/11-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/22/2006 1917
Date Prepared: 03/22/2006 1108

Analysis Batch: 680-39710
Prep Batch: 680-39604
Units: mg/Kg

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.125	0.12	98	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-39604

Method: 7471A
Preparation: 7471A

MS Lab Sample ID: 680-14771-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/22/2006 1949
Date Prepared: 03/22/2006 1108

Analysis Batch: 680-39710
Prep Batch: 680-39604

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 1.02 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 680-14771-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/22/2006 1958
Date Prepared: 03/22/2006 1108

Analysis Batch: 680-39710
Prep Batch: 680-39604

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 1.02 g
Final Weight/Volume: 50 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	89	113	80 - 120	13	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-14771-1
Sdg Number: 68014771

Method Blank - Batch: 680-39830

Method: 9060
Preparation: N/A

Lab Sample ID: MB 680-39830/1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/23/2006 1520
Date Prepared: N/A

Analysis Batch: 680-39830
Prep Batch: N/A
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mg
Final Weight/Volume:

Analyte	Result	Qual	MDL	RL
Total Organic Carbon	390	U	390	1000

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 680-39830

Method: 9060
Preparation: N/A

LCS Lab Sample ID: LCS 680-39830/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/23/2006 1520
Date Prepared: N/A

Analysis Batch: 680-39830
Prep Batch: N/A
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 20.2 mg
Final Weight/Volume:

LCSD Lab Sample ID: LCSD 680-39830/3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/23/2006 1520
Date Prepared: N/A

Analysis Batch: 680-39830
Prep Batch: N/A
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 20.2 mg
Final Weight/Volume:

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Organic Carbon	86	86	60 - 140	1	40		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-14771-1
Sdg Number: 68014771

Matrix Duplicate - Batch: 680-39830

Method: 9060
Preparation: N/A

Lab Sample ID: 680-14771-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/23/2006 1520
Date Prepared: N/A

Analysis Batch: 680-39830
Prep Batch: N/A
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 101.6 mg
Final Weight/Volume:

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Organic Carbon	13000	11000	22	40	

Calculations are performed before rounding to avoid round-off errors in calculated results.

SIC GA

Chain Of Custody Form

analytics environmental laboratory LLC
195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 2, 10/25/04

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C _____
3) Received in good condition Y or N
4) pH checked by: _____
5) Labels checked by: _____

Project#: Proj. Name: NSN-NLON-SITE7
Company: ANALYTICS Environmental Laboratory LLC
Contact: Stephen Knollmeyer
Address: 195 COMMERCE WAY
PORTSMOUTH, NH 03801
Phone: 603-436-5111 PO# Quote #
Sampler (Signature): P. Anderson

Matrix Key:
WW=Wastewater
SW=Surfacewater
GW=Groundwater
DW=Drinkingwater
S=Soil/Sludge
O=Oil
E=Extract
X=Other

Container Key
P=plastic G=glass

Preservation

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4°C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
NSN-NLON-SITE7-WC-SC-01	3.16.06	1101	RCRA8 Metals		✓						S	1	G		560561-2
			TOC		✓						S	1	G		
			TCLP Metals												

Email RESULTS? YES NO
Email sknollmeyer@analyticslab.com
Fax RESULTS? YES NO
Fax# 603-430-2151

Comments / Instructions:
Please reference Station ID number and AEL Lab number on report(s).
Level IV QC

Turnaround Request
Standard ☐ Due Date _____
Priority ☑ Due Date 3.24.06

TEMP: 0.6°C
680-14771

Page 1 of 1

Relinquished By Sampler:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
	UPS				
Date: 3.16.06	Time: 1730	Date: 3/18/06	Time: 1020	Date:	Time:

Analytics\AEL Documents\AEL COC

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Chain Of Custody Form

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 2, 10/25/04

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 1
3) Received in good condition Y or N
4) pH checked by: n/a
5) Labels checked by: SLK 3/17/06

Project#: Proj. Name: NSB-NLON-SITE 7
Company: TetraTech ECI
Contact: Rick Woodworth
Address: Buckstown Corp. Campus 820 Town Ctr. Dr. Suite 100
Langhorne PA 19047
Phone: 215·702·4049 PO# 058901 Quote # N/A
Sampler (Signature): Paul W. Anderson

Matrix Key:
WW=Wastewater
SW=Surfacewater
GW=Groundwater
DW=Drinkingwater
S=Soil/Sludge
O=Oil
E=Extract
X=Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4°C	HNO3	H2SO4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
B 03-2406 NSN-NLON-SITE7-WC-SL-01	3-16-06	1100	~~TPH (GRO)~~ VOC 8260		✓				✓		S	1	G		56051-2
			% Solids	✓	✓						S	1	G		2
All alloquoits			Flashpoint	✓	✓						S	2	G		2
for 1 waste			TCLP VOC	✓	✓						S	1	G		1
characterization			TOC	✓	✓						S	1	G		2
sample.			RCRA 8 Metals	✓	✓						S	1	G		2
			Full TCLP	✓	✓						S	2	G		1
			PCB, Reactivity, pH/Corr. SVOC, TPH, Paint	✓	✓						S	2	G		2

Email RESULTS? YES NO
Email rwoodworth@TTECI.com
Fax RESULTS? YES NO
Fax#

Comments / Instructions:
Per Rick Woodworth run this WC sample for full list of analyses listed in bid - see attached SLK 3/17/06

Turnaround Request
Standard ☐ Due Date
Priority ☒ Due Date 5 day - due 3/24/06

M3-2406 per John Cory Use NSB not NSN

Page___ of___

Analytics\AEL Documents\AEL COC

Relinquished By Sampler:	Relinquished By:	Relinquished By:
Date: 3/16/06	Date: 3.17.06	Date:
Time: 11:30	Time: 9:46	Time:
Received By: Fed Ex	Received By: [signature]	Received By:

ANALYTICS SAMPLE RECEIPT CHECKLIST

analytics environmental laboratory LLC

AEL LAB#: 560451

CLIENT: TetraTech

PROJECT: NSN-NLON-SITE7

COOLER NUMBER: n/a

NUMBER OF COOLERS: 1

DATE RECEIVED: 3.17.06

DATE COOLER OPENED:

A: PRELIMINARY EXAMINATION:

1. Cooler received by(initials): L Date Received: 3.17.06
2. Did cooler come with a shipping slip? (Y) N

If YES, enter carrier name and airbill number here: FedEx 7908 4938 7467

3. Were custody seals on the outside of cooler? Y N
How many & where: 2 unbroken straps Seal Date: n/a Seal Name: n/a
4. Did the custody seals arrive unbroken and intact upon arrival? Y N
5. COC#: n/a
6. Were Custody papers filled out properly (ink,signed, etc)? (Y) N
7. Were custody papers sealed in a plastic bag? (Y) N
8. Did you sign the COC in the appropriate place? (Y) N
9. Was the project identifiable from the COC papers? (Y) N
10. Was enough ice used to chill the cooler? (Y) N Temp. of cooler: 10°C

B. Log-In: Date samples were logged in: 3.17.06 By:

11. Type of packing in cooler(bubble wrap, popcorn) (Y) N
12. Were all bottles sealed in separate plastic bags? (Y) N
13. Did all bottles arrive unbroken and were labels in good condition? (Y) N
14. Were all bottle labels complete(ID,Date,time,etc.) (Y) N
15. Did all bottle labels agree with custody papers? (Y) N see attached
16. Were the correct containers used for the tests indicated: (Y) 3.17.06 N
17. Were samples received at the correct pH? Y (N/a)
18. Was sufficient amount of sample sent for the tests indicated? (Y) N
19. Were bubbles absent in VOA samples? Y (N/a)

If NO, List sample #'s:

20. Laboratory labeling verified by (initials): SLK Date: SLK 3/17/06

Analytics environmental laboratory LLC

SAMPLE RECEIPT
NON-COMPLIANCE NOTIFICATION
(SENT VIA FACSIMILE)

DATE 3-17-06 FROM STEVE KNOLLMEYER

FAX CONTACT RICK WOODWORTH FAX NUMBER 215-702-4045

CLIENT TTEC LAB NUMBER 56051

The exceptions noted below were found on the sample(s) received on the attached Chain of Custody (COC) form. These exceptions may render the data results as non-defensible. Analytics will continue to proceed with the analysis of the sample(s) unless notified in writing to stop the analysis. This document may become part of the final report.

Please check the appropriate box and sign below and fax back to "Sample Receipt" at 603-430-2151.

Exceptions:

☐ Sample(s) not on ice or not at $4^{o}C \pm 2^{o}C$

☐ Sample(s) received unpreserved or not at the proper pH. (pH was adjusted at the laboratory)

☐ Sample(s) received in incorrect containers

☐ Insufficient sample volume received (Detection limits may be elevated due to this exception)

☐ Trip Blank provided in cooler, but not recorded on the chain of custody

☒ Other: Chain Sample ID is different than container, pick one
COC = NSN-NLON-SITE7-WC-SL-01
CONTAINERS = NSB-NLON-SITE7-WC-SL-01 ← *

Acknowledgment:

☐ **Please do not analyze/report Trip Blank, proceed with other analyses**

☒ **Proceed with the analysis.**

☐ **Please stop the analysis and wait for further instructions.**

Signed: _____ **Print Name:** RICK WOODWORTH

Date: 3/17/06

* USE "NSB" ID

analytics environmental laboratory LLC

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

May 31, 2006

Mr. Rick Woodworth
Tetra Tech EC Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

RE: Analytical Results Case Narrative
Analytics # 56079
Subbase Groton Site 7
CTO 1042
Groton, CT

Dear Mr. Woodworth;

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

Samples were analyzed for Volatile Organic Compounds (VOCs) using EPA Method 8260B and Polynuclear Aromatic Hydrocarbons (PAHs) using EPA Method 8270C.

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

This Level IV data package has been assembled in the following order with raw data included after each of the forms:

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

PAH Form 1 Data Sheet for Samples and Blanks
Chromatograms and Raw Data
PAH Form 2 Surrogate Recoveries
PAH Form 3 MS/MSD (LCS) Recoveries
Chromatograms and Raw Data
PAH Form 4 Method Blank Summary (equiv.) GC/MS Logbook Sheets
PAH Form 5 DFTPP Tune Summaries
Chromatograms and Raw Data
PAH Form 6 Initial Calibration Data (equiv..) Response Factor Report
Chromatograms and Raw Data
PAH Form 7 Continuing Calibration Check (equiv.)
Chromatograms and Raw Data
PAH Form 8 Internal Standard Area and RT Summary
Chain of Custody (COC) Forms and Sample Receipt Checklist

QC NON CONFORMANCE SUMMARY

Sample Receipt:
No extra sample was provided for matrix spikes for the volatile analysis. The laboratory used laboratory control samples to assess accuracy and precision.

VOCs by EPA Method 8260:
The following analytes were not 'J" flagged in this report: Methylene choride, Diethyl ether, Acetone, Hexachlorobutadiene, Naphthalene, and 1,2-Dichloroethane.

Sample 56079-2 (NSB-NLON-Site7-CS-SL-SWS-01) and 56079-3 (NSB-NLON-SITE7-CS-SL-SWW-01-032206-01) had surrogate recoveries outside the laboratory acceptance criteria. The samples were reanalyzed 03/30/06 with similar results. See Form II summary. Results for the original analysis are reported in this final report with a comment to this affect.

The initial calibration analyzed 03/28/06 (V803286C) had %RSD greater than 15% for three compounds (t-Butyl-Alcohol, 1,1-Dichloroethane and Bromofluorobenzene). The average RSD of all analytes was <15%. These analytes all had acceptable recoveries in the second source calibration check standard. Results were reported without qualification.

Three analytes (Chloromethane, Vinyl chloride and t-butyl alcohol) had recoveries outside the laboratory acceptance criteria in the laboratory control sample analyzed 03/28/06 (LS03286C). The laboratory control sample was reanalyzed (LS0328C2) and had five analytes (Chloromethane,Vinyl chloride, 1,1-Dichloroethene, Carbon disulfide and 1,2-Dichloroethane) with recoveries outside the laboratory acceptance criteria. Two analytes (t-Butyl Alcohol and Carbon Disulfide) also had RPD recoveries above the laboratory acceptance criteria. These analytes were not detected in any samples and results were reported without qualification.

PAHs by EPA Method 8270:
Several analytes had recoveries and RPDs outside the laboratory acceptance in the MS/MSD on 56081-1 (NSB-NLON-SITE7-WC-02). All analytes were in control in the laboratory control samples extracted 3/23/06 (L03236AS/LD03236AS). Results were reported without qualification.

Sincerely,
ANALYTICS Environmental Laboratory, LLC

Stephen L. Knollmeyer
Laboratory Director

analytics environmental laboratory LLC

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

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

Report Number: 56079

Revision: Rev. 0

Re: Subbase Groton Site 7

CTO1042

Enclosed are the results of the analyses on your sample(s). Samples were received on 22 March 2006 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
56079-1	03/22/06	NSB-NLON-SITE7-CS-SL-SWW-01	EPA 8260 Volatile Organics	
	03/22/06	NSB-NLON-SITE7-CS-SL-SWW-01	EPA 8270 (PAH only)	
56079-2	03/22/06	NSB-NLON-SITE7-CS-SL-SWS-01	EPA 8260 Volatile Organics	
	03/22/06	NSB-NLON-SITE7-CS-SL-SWS-01	EPA 8270 (PAH only)	
56079-3	03/22/06	NSB-NLON-SITE7-CS-SL-SWW-01-032206-01	EPA 8260 Volatile Organics	
	03/22/06	NSB-NLON-SITE7-CS-SL-SWW-01-032206-01	EPA 8270 (PAH only)	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, North Carolina, New York, Virginia, Pennsylvania and is validated by the U.S. Army Corps of Engineers (MRD) and U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 03/24/06

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analytics environmental laboratory LLC

VOLATILE
DATA SUMMARIES

analytics environmental laboratory LLC

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800-929-9906

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

May 31, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number: CTO1042

Field Sample ID: LAB QC

SAMPLE DATA

Lab Sample ID: MB03286C
Matrix: Solid
Percent Solid: 100
Dilution Factor: 100
Collection Date: N/A
Lab Receipt Date: N/A
Analysis Date: 03/28/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	25	U	1,3-Dichloropropane	100	U
Bromobenzene	100	U	cis-1,3-Dichloropropene	100	U
Bromochloromethane	100	U	trans-1,3-Dichloropropene	100	U
Bromodichloromethane	75	U	2,2-Dichloropropane	100	U
Bromoform	75	U	1,1-Dichloropropene	100	U
Bromomethane	100	U	Ethylbenzene	100	U
n-butylbenzene	100	U	Hexachlorobutadiene	100	U
sec-butylbenzene	100	U	Isopropylbenzene	100	U
tert-butylbenzene	100	U	p-isopropyltoluene	100	U
Carbon Tetrachloride	100	U	Methylene Chloride	500	U
Chlorobenzene	100	U	Methyl-tert-butyl ether (MTBE)	100	U
Chloroethane	100	U	Naphthalene	100	U
Chloroform	75	U	n-Propylbenzene	100	U
Chloromethane	100	U	Styrene	100	U
2-Chlorotoluene	100	U	1,1,1,2-Tetrachloroethane	100	U
4-Chlorotoluene	100	U	1,1,2,2-Tetrachloroethane	75	U
Dibromochloromethane	75	U	Tetrachloroethene	100	U
1,2-Dibromo-3-chloropropane	100	U	Toluene	100	U
1,2-Dibromoethane	75	U	1,2,3-Trichlorobenzene	100	U
Dibromomethane	100	U	1,2,4-Trichlorobenzene	100	U
1,2-Dichlorobenzene	100	U	1,1,1-Trichloroethane	100	U
1,3-Dichlorobenzene	100	U	1,1,2-Trichloroethane	75	U
1,4-Dichlorobenzene	100	U	Trichloroethene	100	U
Dichlorodifluoromethane	100	U	Trichlorofluoromethane	100	U
1,1-Dichloroethane	100	U	1,2,3-Trichloropropane	100	U
1,2-Dichloroethane	75	U	1,2,4-Trimethylbenzene	100	U
1,1-Dichloroethene	75	U	1,3,5-Trimethylbenzene	100	U
cis-1,2-Dichloroethene	100	U	Vinyl Chloride	100	U
trans-1,2-Dichloroethene	100	U	o-Xylene	100	U
1,2-Dichloropropane	75	U	m,p-Xylene	100	U
Acetone	1000	U	Diethyl ether	100	U
Carbon Disulfide	100	U	2-Hexanone	1000	U
Tetrahydrofuran	500	U	Methyl isobutyl ketone	1000	U
Methyl ethyl ketone	1000	U	Di-isopropyl ether (DIPE)	100	U
t-Butyl alcohol (TBA)	2000	U	Ethyl t-butyl ether (ETBE)	100	U
t-Amyl methyl ether (TAME)	100	U			

Surrogate Standard Recovery

Dibromofluoromethane	88	%	d4-1,2-Dichloroethane	77	%	d8-Toluene	88	% Bromofluorobenzene	79 %

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

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

COMMENTS: Results are expressed on a dry weight basis.

8260 full (4)

Authorized signature

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\032806C\C57963B.D Vial: 3
Acq On : 28 Mar 2006 6:17 pm Operator:
Sample : MB03286C Inst : Instr_C
Misc : 50,5.00,SOIL Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Mar 28 18:20 2006 Quant Results File: V803286C.RES

Quant Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:28:20 2006
Response via : Initial Calibration
DataAcq Meth : V803286C

MT 3/29/06 3.24.06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.97	168	153899	20.00	ug/L	0.00
39) 1,4-Difluorobenzene	8.46	114	230301 ✓	20.00	ug/L	0.00
63) *d5-Chlorobenzene	12.98	117	216480 ✓	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.71	152	113328	20.00	ug/L	0.00
System Monitoring Compounds						
28) Dibromofluoromethane	7.09	111	98213	17.62	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 88.10% ✓			
36) d4-1,2-Dichloroethane	7.84	65	126062	15.48	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 77.40% ✓			
54) d8-Toluene	10.72	98	229989	17.58	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 87.90% ✓			
73) Bromofluorobenzene	14.87	95	106381	15.80	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 79.00% ✓			

Target Compounds Qvalue

ND

(#) = qualifier out of range (m) = manual integration
C57963B.D V803286C.M Tue Mar 28 18:20:22 2006 Page 1

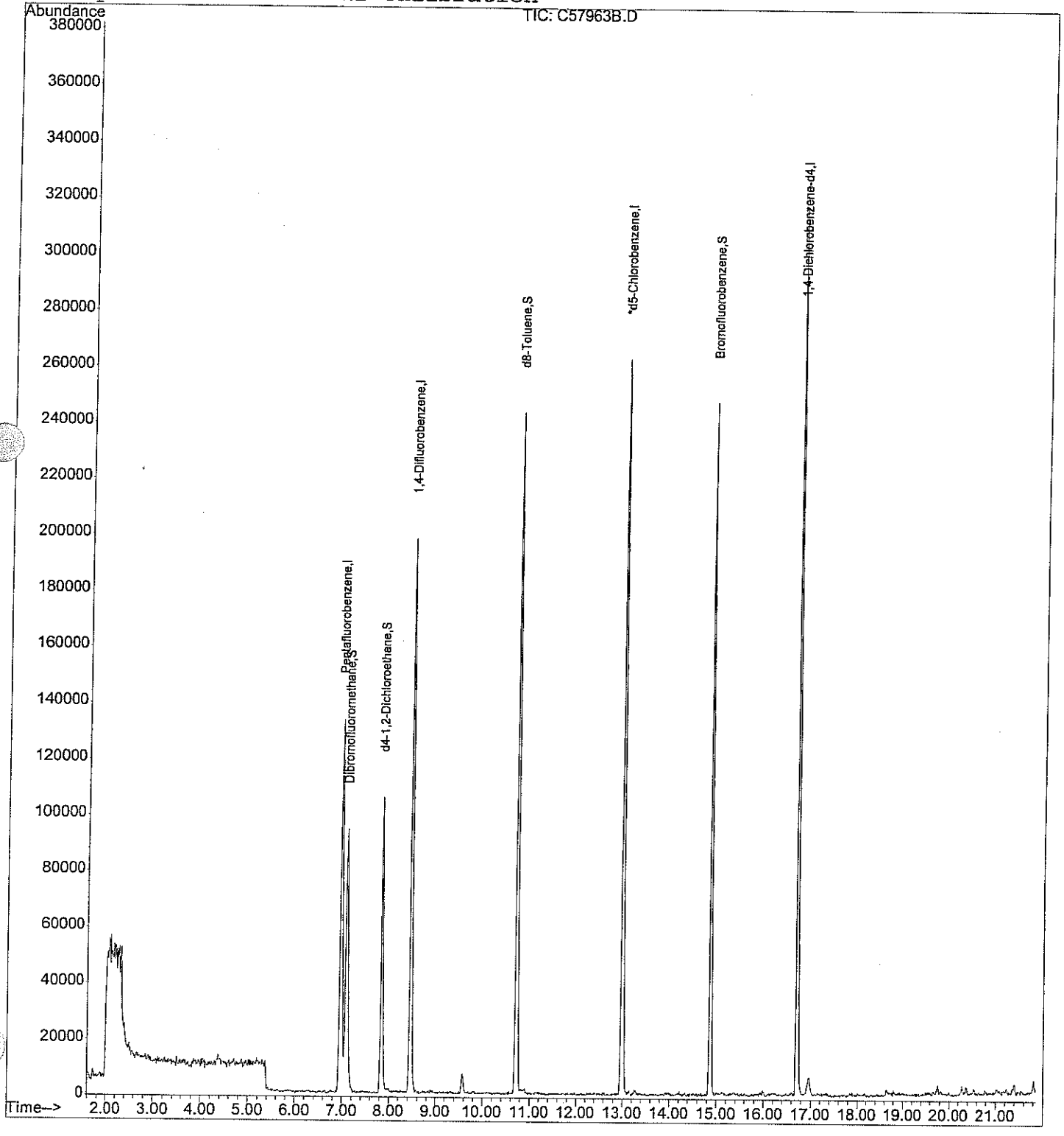
Quantitation Report

Data File : D:\HPCHEM\1\DATA\032806C\C57963B.D
Acq On : 28 Mar 2006 6:17 pm
Sample : MB03286C
Misc : 50,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Mar 28 18:20 2006

Vial: 3
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V803286C.RES

Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:28:20 2006
Response via : Initial Calibration



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Langhorne PA 19047-1748

May 31, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number: CTO1042

Field Sample ID: LAB QC

SAMPLE DATA

Lab Sample ID: B803306C
Matrix: Solid
Percent Solid: 100
Dilution Factor: 100
Collection Date: N/A
Lab Receipt Date: N/A
Analysis Date: 03/30/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	25	U	1,3-Dichloropropane	100	U
Bromobenzene	100	U	cis-1,3-Dichloropropene	100	U
Bromochloromethane	100	U	trans-1,3-Dichloropropene	100	U
Bromodichloromethane	75	U	2,2-Dichloropropane	100	U
Bromoform	75	U	1,1-Dichloropropene	100	U
Bromomethane	100	U	Ethylbenzene	100	U
n-butylbenzene	100	U	Hexachlorobutadiene	100	U
sec-butylbenzene	100	U	Isopropylbenzene	100	U
tert-butylbenzene	100	U	p-isopropyltoluene	100	U
Carbon Tetrachloride	100	U	Methylene Chloride	500	U
Chlorobenzene	100	U	Methyl-tert-butyl ether (MTBE)	100	U
Chloroethane	100	U	Naphthalene	100	U
Chloroform	75	U	n-Propylbenzene	100	U
Chloromethane	100	U	Styrene	100	U
2-Chlorotoluene	100	U	1,1,1,2-Tetrachloroethane	100	U
4-Chlorotoluene	100	U	1,1,2,2-Tetrachloroethane	75	U
Dibromochloromethane	75	U	Tetrachloroethene	100	U
1,2-Dibromo-3-chloropropane	100	U	Toluene	100	U
1,2-Dibromoethane	75	U	1,2,3-Trichlorobenzene	100	U
Dibromomethane	100	U	1,2,4-Trichlorobenzene	100	U
1,2-Dichlorobenzene	100	U	1,1,1-Trichloroethane	100	U
1,3-Dichlorobenzene	100	U	1,1,2-Trichloroethane	75	U
1,4-Dichlorobenzene	100	U	Trichloroethene	100	U
Dichlorodifluoromethane	100	U	Trichlorofluoromethane	100	U
1,1-Dichloroethane	100	U	1,2,3-Trichloropropane	100	U
1,2-Dichloroethane	75	U	1,2,4-Trimethylbenzene	100	U
1,1-Dichloroethene	75	U	1,3,5-Trimethylbenzene	100	U
cis-1,2-Dichloroethene	100	U	Vinyl Chloride	100	U
trans-1,2-Dichloroethene	100	U	o-Xylene	100	U
1,2-Dichloropropane	75	U	m,p-Xylene	100	U
Acetone	1000	U	Diethyl ether	100	U
Carbon Disulfide	100	U	2-Hexanone	1000	U
Tetrahydrofuran	500	U	Methyl isobutyl ketone	1000	U
Methyl ethyl ketone	1000	U	Di-isopropyl ether (DIPE)	100	U
t-Butyl alcohol (TBA)	2000	U	Ethyl t-butyl ether (ETBE)	100	U
t-Amyl methyl ether (TAME)	100	U			

Surrogate Standard Recovery

Dibromofluoromethane	97 %	d4-1,2-Dichloroethane	87 %	d8-Toluene	97 %	Bromofluorobenzene	86 %

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

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

COMMENTS: Results are expressed on a dry weight basis.

8260 full (4)

Authorized signature

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\033006C\C57984B.D
Acq On : 30 Mar 2006 12:27 pm
Sample : B803306C
Misc : 5000,SOIL,,W/MEOH
Integration Params: rteint.p
Quant Time: Mar 30 16:10 2006

Vial: 3
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V803286C.RES

Quant Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Mar 29 08:45:09 2006
Response via : Initial Calibration
DataAcq Meth : V803286C

MT 3/31/06

3-31-06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.97	168	153600	20.00	ug/L	0.00
39) 1,4-Difluorobenzene	8.45	114	232814	20.00	ug/L	0.00
63) *d5-Chlorobenzene	12.98	117	219577 ✓	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.71	152	118614	20.00	ug/L	0.00
System Monitoring Compounds						
28) Dibromofluoromethane	7.08	111	108121	19.44	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 97.20% ✓			
36) d4-1,2-Dichloroethane	7.83	65	140936	17.35	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 86.75% ✓			
54) d8-Toluene	10.71	98	255196	19.30	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 96.50% ✓			
73) Bromofluorobenzene	14.86	95	116900	17.11	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 85.55% ✓			
Target Compounds						Qvalue
5) Bromomethane	2.39	94	3096	0.91	ug/L #	9

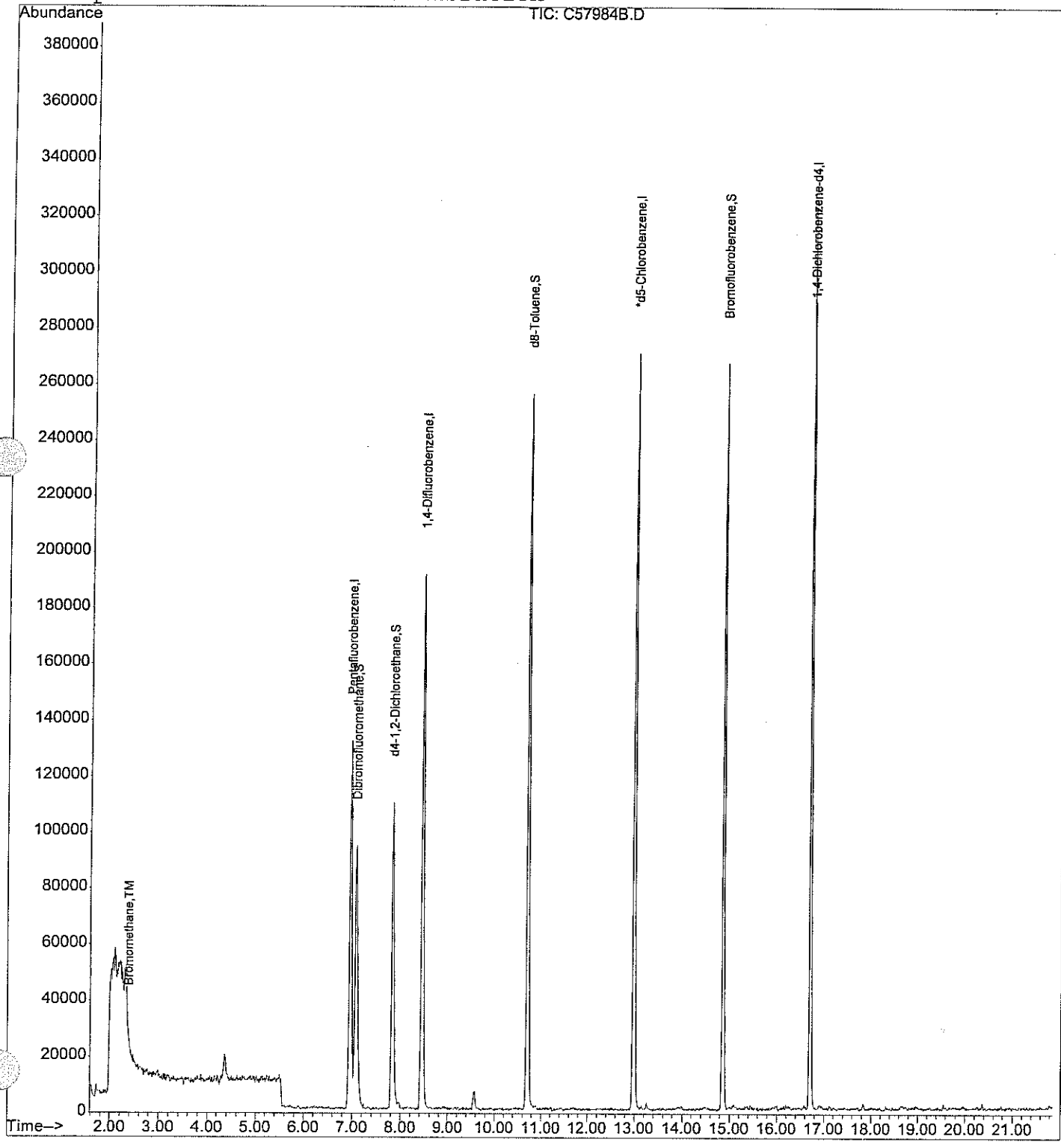
ND

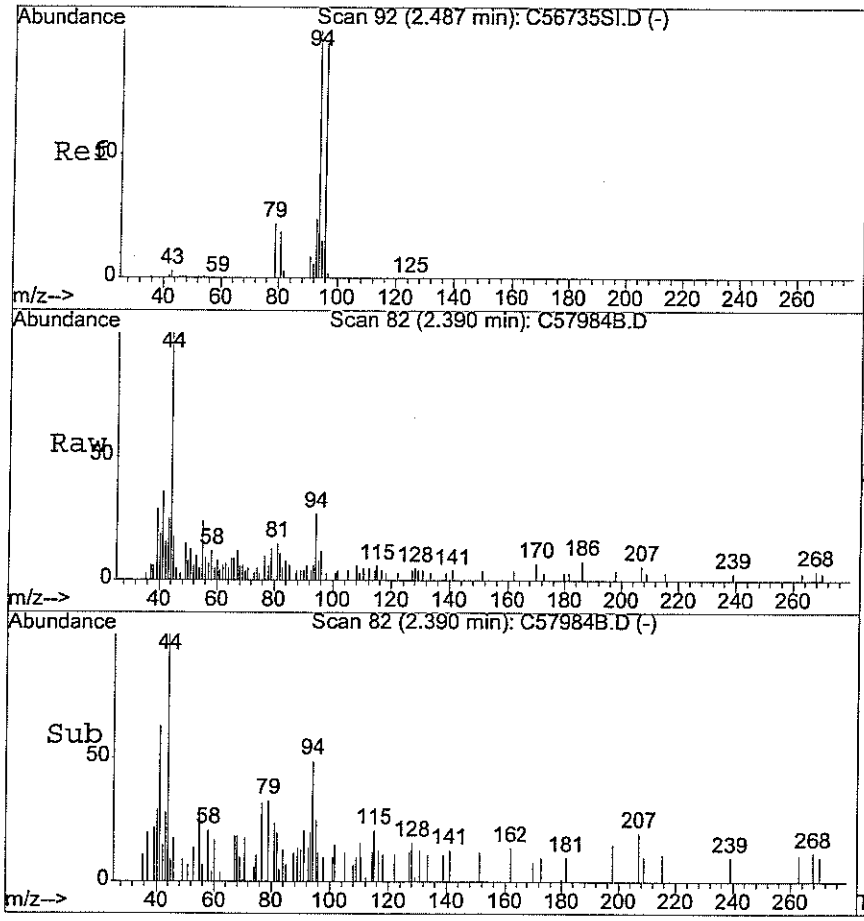
(#) = qualifier out of range (m) = manual integration
C57984B.D V803286C.M Thu Mar 30 16:10:17 2006 Page 1

Quantitation Report

Data File : D:\HPCHEM\1\DATA\033006C\C57984B.D Vial: 3
Acq On : 30 Mar 2006 12:27 pm Operator:
Sample : B803306C Inst : Instr_C
Misc : 5000,SOIL,,W/MEOH Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 30 16:10 2006 Quant Results File: V803286C.RES

Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Mar 29 08:45:09 2006
Response via : Initial Calibration

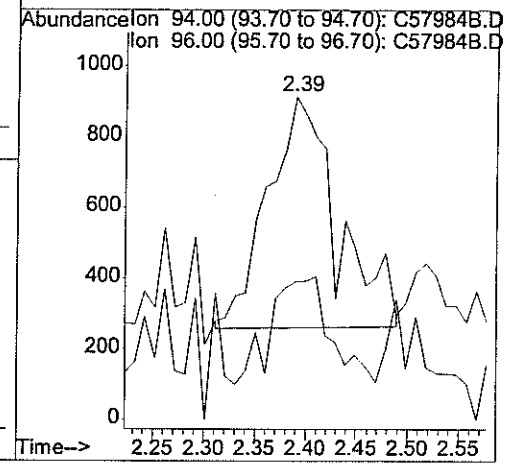




#5
Bromomethane
Concen: 0.91 ug/L
RT: 2.39 min Scan# 82
Delta R.T. -0.06 min
Lab File: C57984B.D
Acq: 30 Mar 2006 12:27 pm

Tgt Ion: 94 Resp: 3096

Ion	Ratio	Lower	Upper
94	100		
96	7.9	78.0	118.0#



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Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

March 29, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number: CTO1042

Field Sample ID: NSB-NLON-SITE7-CS-SL-SWW-01

SAMPLE DATA

Lab Sample ID: 56079-1
Matrix: Solid
Percent Solid: 84
Dilution Factor: 127
Collection Date: 03/22/06
Lab Receipt Date: 03/22/06
Analysis Date: 03/28/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	25	U	1,3-Dichloropropane	127	U
Bromobenzene	127	U	cis-1,3-Dichloropropene	127	U
Bromochloromethane	127	U	trans-1,3-Dichloropropene	127	U
Bromodichloromethane	95	U	2,2-Dichloropropane	127	U
Bromoform	95	U	1,1-Dichloropropene	127	U
Bromomethane	127	U	Ethylbenzene	127	U
n-butylbenzene	127	U	Hexachlorobutadiene	127	U
sec-butylbenzene	127	U	Isopropylbenzene	127	U
tert-butylbenzene	127	U	p-isopropyltoluene	127	U
Carbon Tetrachloride	127	U	Methylene Chloride	633	U
Chlorobenzene	127	U	Methyl-tert-butyl ether (MTBE)	127	U
Chloroethane	127	U	Naphthalene	127	U
Chloroform	95	U	n-Propylbenzene	127	U
Chloromethane	127	U	Styrene	127	U
2-Chlorotoluene	127	U	1,1,1,2-Tetrachloroethane	127	U
4-Chlorotoluene	127	U	1,1,2,2-Tetrachloroethane	95	U
Dibromochloromethane	95	U	Tetrachloroethene	127	U
1,2-Dibromo-3-chloropropane	127	U	Toluene	127	U
1,2-Dibromoethane	95	U	1,2,3-Trichlorobenzene	127	U
Dibromomethane	127	U	1,2,4-Trichlorobenzene	127	U
1,2-Dichlorobenzene	127	U	1,1,1-Trichloroethane	127	U
1,3-Dichlorobenzene	127	U	1,1,2-Trichloroethane	95	U
1,4-Dichlorobenzene	127	U	Trichloroethene	127	U
Dichlorodifluoromethane	127	U	Trichlorofluoromethane	127	U
1,1-Dichloroethane	127	U	1,2,3-Trichloropropane	127	U
1,2-Dichloroethane	95	U	1,2,4-Trimethylbenzene	127	U
1,1-Dichloroethene	95	U	1,3,5-Trimethylbenzene	127	U
cis-1,2-Dichloroethene	127	U	Vinyl Chloride	127	U
trans-1,2-Dichloroethene	127	U	o-Xylene	127	U
1,2-Dichloropropane	95	U	m,p-Xylene	127	U
Acetone	1270	U	Diethyl ether	127	U
Carbon Disulfide	127	U	2-Hexanone	1270	U
Tetrahydrofuran	633	U	Methyl isobutyl ketone	1270	U
Methyl ethyl ketone	1270	U	Di-isopropyl ether (DIPE)	127	U
t-Butyl alcohol (TBA)	2530	U	Ethyl t-butyl ether (ETBE)	127	U
t-Amyl methyl ether (TAME)	127	U			

Surrogate Standard Recovery

Dibromofluoromethane	81	%	d4-1,2-Dichloroethane	70	%	d8-Toluene	79	% Bromofluorobenzene	72	%

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

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

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

8260 full (4)

Authorized signature Melissa Tull

Quantitation Report (Not Reviewed)

Q

Data File : D:\HPCHEM\1\DATA\032806C\C57964.D
Acq On : 28 Mar 2006 6:50 pm
Sample : 56079-1
Misc : 50,4.70,SOIL
MS Integration Params: rteint.p
Quant Time: Mar 28 18:49 2006

Vial: 4
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V803286C.RES

Quant Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:28:20 2006
Response via : Initial Calibration
DataAcq Meth : V803286C

MT 3/29/06

DF = (5000)(5) / (50ml)(4.70g)(~~.2813~~ ~~.2407~~ ~~136~~ 127)

03-29-06

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.97	168	155735	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.46	114	232026	20.00 ug/L	0.00
63) *d5-Chlorobenzene	12.99	117	217650 ✓	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.72	152	112845	20.00 ug/L	0.00

System Monitoring Compounds

28) Dibromofluoromethane	7.08	111	91632	16.25 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery =	81.25% ✓	
36) d4-1,2-Dichloroethane	7.84	65	115787	14.05 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	70.25% ✓	
54) d8-Toluene	10.71	98	208133	15.79 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery =	78.95% ✓	
73) Bromofluorobenzene	14.86	95	97745	14.44 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	72.20% ✓	

Target Compounds Qvalue

ND

Report Benzene @ QL = ~~30~~ 25
03-29-06

(#) = qualifier out of range (m) = manual integration

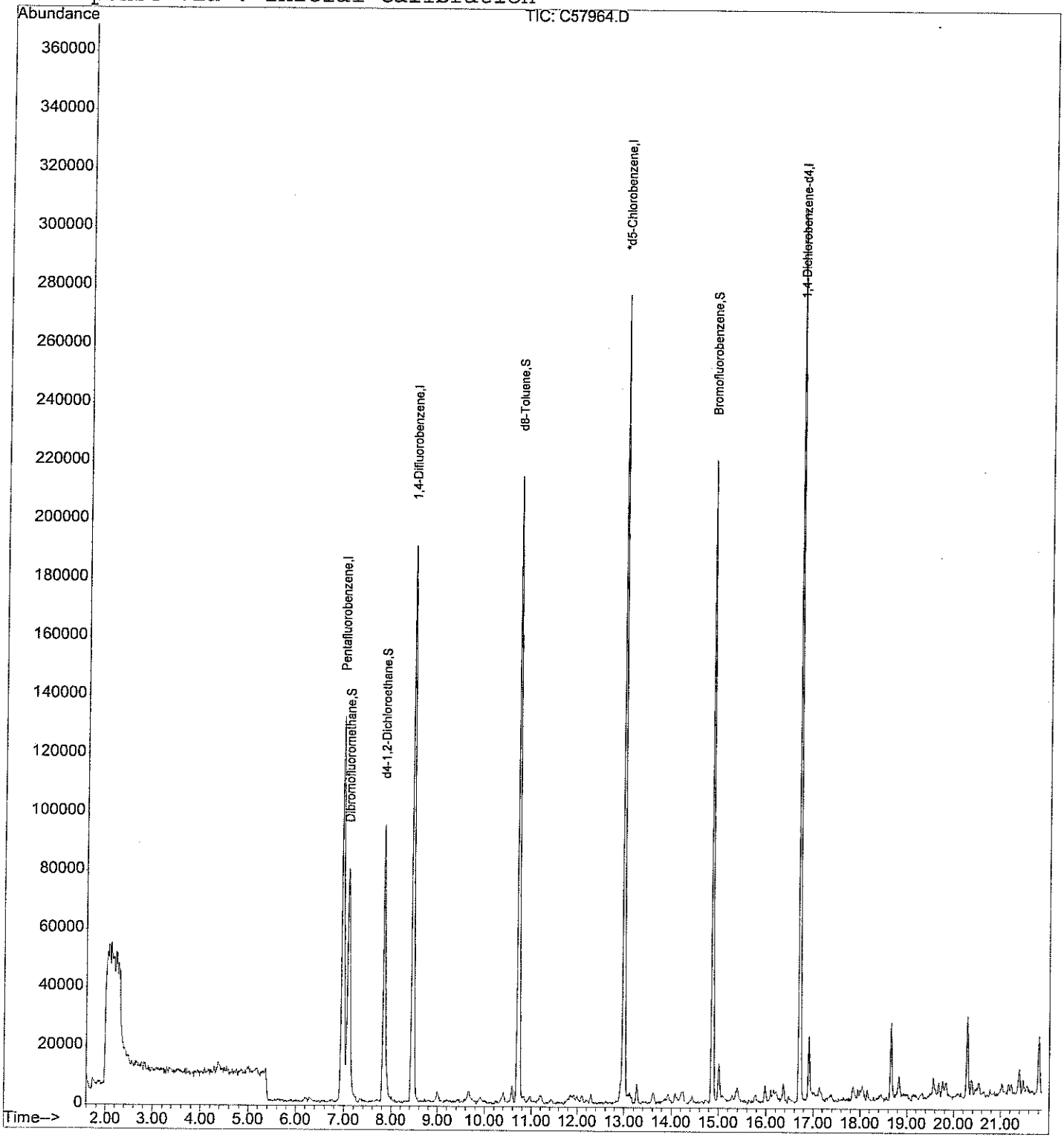
Quantitation Report

Data File : D:\HPCHEM\1\DATA\032806C\C57964.D
Acq On : 28 Mar 2006 6:50 pm
Sample : 56079-1
Misc : 50,4.70,SOIL
MS Integration Params: rteint.p
Quant Time: Mar 28 18:49 2006

Vial: 4
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V803286C.RES

Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:28:20 2006
Response via : Initial Calibration



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Langhorne PA 19047-1748

April 3, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number: CTO1042

Field Sample ID: NSB-NLON-SITE7-CS-SL-SWS-01

SAMPLE DATA

Lab Sample ID: 56079-2
Matrix: Solid
Percent Solid: 78
Dilution Factor: 172
Collection Date: 03/22/06
Lab Receipt Date: 03/22/06
Analysis Date: 03/28/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	34	U	1,3-Dichloropropane	172	U
Bromobenzene	172	U	cis-1,3-Dichloropropene	172	U
Bromochloromethane	172	U	trans-1,3-Dichloropropene	172	U
Bromodichloromethane	129	U	2,2-Dichloropropane	172	U
Bromoform	129	U	1,1-Dichloropropene	172	U
Bromomethane	172	U	Ethylbenzene	172	U
n-butylbenzene	172	U	Hexachlorobutadiene	172	U
sec-butylbenzene	172	U	Isopropylbenzene	172	U
tert-butylbenzene	172	U	p-isopropyltoluene	172	U
Carbon Tetrachloride	172	U	Methylene Chloride	860	U
Chlorobenzene	172	U	Methyl-tert-butyl ether (MTBE)	172	U
Chloroethane	172	U	Naphthalene	172	U
Chloroform	129	U	n-Propylbenzene	172	U
Chloromethane	172	U	Styrene	172	U
2-Chlorotoluene	172	U	1,1,1,2-Tetrachloroethane	172	U
4-Chlorotoluene	172	U	1,1,2,2-Tetrachloroethane	129	U
Dibromochloromethane	129	U	Tetrachloroethene	172	U
1,2-Dibromo-3-chloropropane	172	U	Toluene	172	U
1,2-Dibromoethane	129	U	1,2,3-Trichlorobenzene	172	U
Dibromomethane	172	U	1,2,4-Trichlorobenzene	172	U
1,2-Dichlorobenzene	172	U	1,1,1-Trichloroethane	172	U
1,3-Dichlorobenzene	172	U	1,1,2-Trichloroethane	129	U
1,4-Dichlorobenzene	172	U	Trichloroethene	172	U
Dichlorodifluoromethane	172	U	Trichlorofluoromethane	172	U
1,1-Dichloroethane	172	U	1,2,3-Trichloropropane	172	U
1,2-Dichloroethane	129	U	1,2,4-Trimethylbenzene	172	U
1,1-Dichloroethene	129	U	1,3,5-Trimethylbenzene	172	U
cis-1,2-Dichloroethene	172	U	Vinyl Chloride	172	U
trans-1,2-Dichloroethene	172	U	o-Xylene	172	U
1,2-Dichloropropane	129	U	m,p-Xylene	172	U
Acetone	1720	U	Diethyl ether	172	U
Carbon Disulfide	172	U	2-Hexanone	1720	U
Tetrahydrofuran	860	U	Methyl isobutyl ketone	1720	U
Methyl ethyl ketone	1720	U	Di-isopropyl ether (DIPE)	172	U
t-Butyl alcohol (TBA)	3440	U	Ethyl t-butyl ether (ETBE)	172	U
t-Amyl methyl ether (TAME)	172	U			

Surrogate Standard Recovery

Dibromofluoromethane	73	%	d4-1,2-Dichloroethane	65 *	%	d8-Toluene	71	% Bromofluorobenzene	67 * %

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

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

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A. * Surrogate recoveries were outside the laboratory acceptance criteria. Sample was reanalyzed with similar results.

8260 full (4)

Authorized signature

Quantitation Report (Not Reviewed)

Q

Data File : D:\HPCHEM\1\DATA\032806C\C57965.D
Acq On : 28 Mar 2006 7:23 pm
Sample : 56079-2
Misc : 50,3.72,SOIL
MS Integration Params: rteint.p
Quant Time: Mar 28 19:19 2006

Vial: 5
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V803286C.RES

Quant Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:28:20 2006
Response via : Initial Calibration
DataAcq Meth : V803286C

MT 3/31/06

DF = (5000)(5) / (50ml)(3.72g)(~~.8107~~ .780) = ~~160~~ 172 g 4.30

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.97	168	155399	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.46	114	228313	20.00 ug/L	0.00
63) *d5-Chlorobenzene	12.99	117	215431 ✓	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.71	152	109917	20.00 ug/L	0.00

System Monitoring Compounds

28) Dibromofluoromethane	7.09	111	82653	14.69 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	73.45% ✓	
36) d4-1,2-Dichloroethane	7.84	65	107191	13.04 ug/~~L~~	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	65.20%#	*
54) d8-Toluene	10.72	98	183477	14.15 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	70.75% ✓	
73) Bromofluorobenzene	14.86	95	89187	13.31 ug/~~L~~	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	66.55%#	

Target Compounds

					Qvalue
~~16)~~ Methylene Chloride	4.38	84	8145	<5 ~~2.22~~ ug/L	89

* Conf by file C57985.D

Report Benzene @ 34

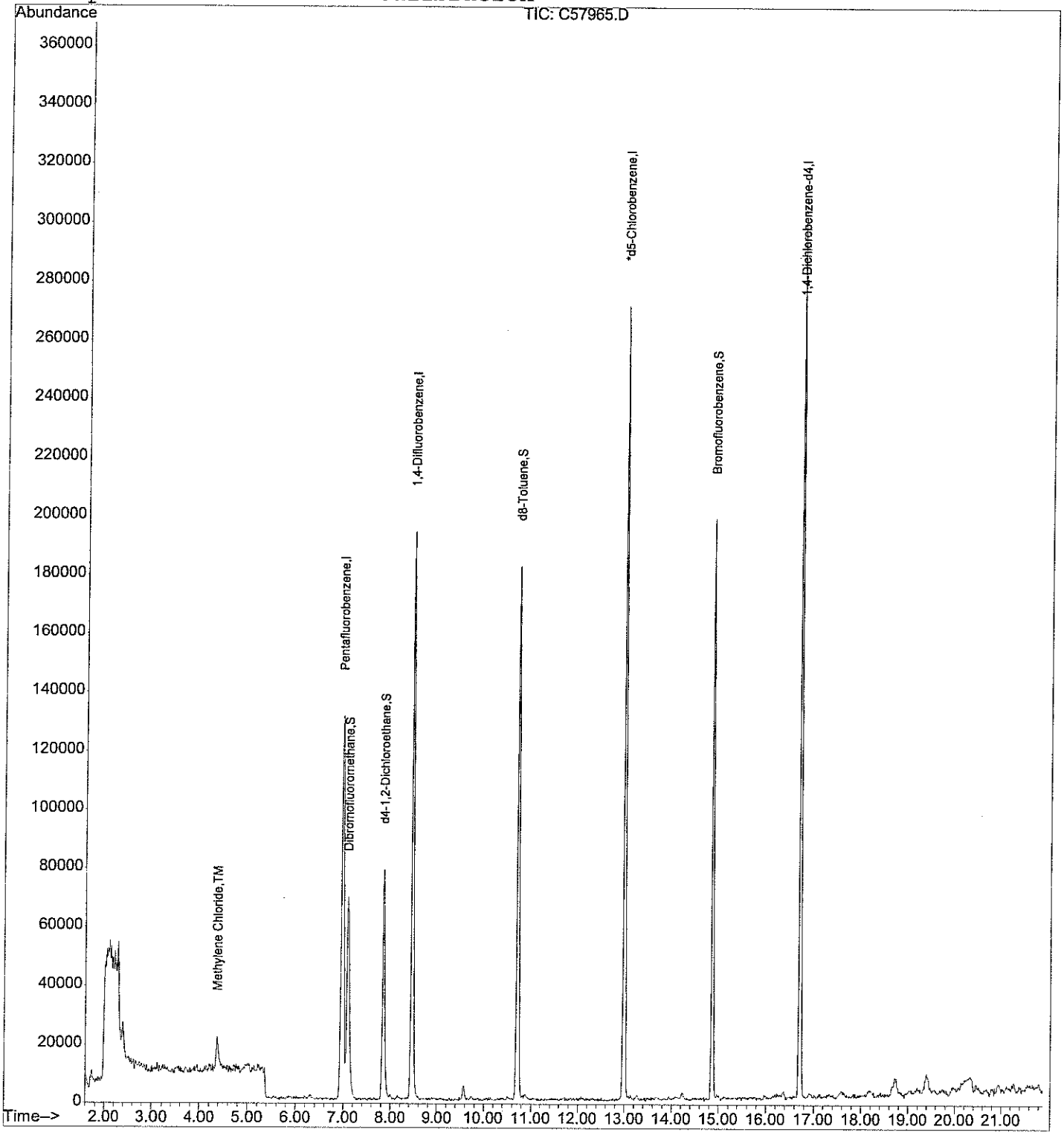
✓ 4.406

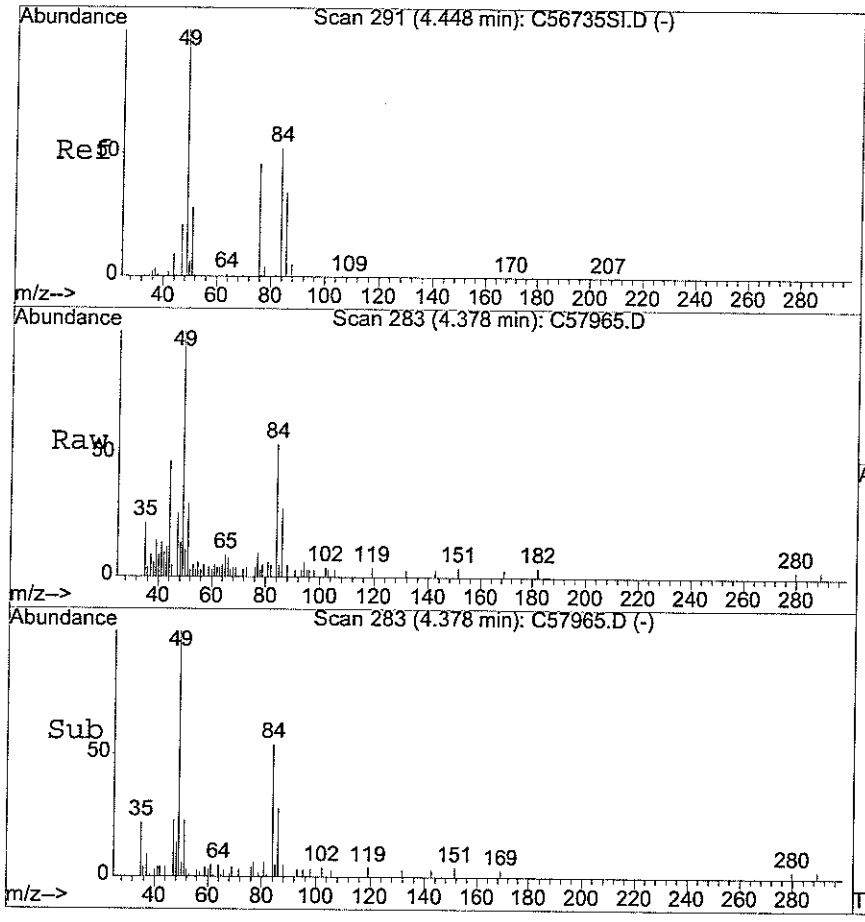
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\032806C\C57965.D Vial: 5
Acq On : 28 Mar 2006 7:23 pm Operator:
Sample : 56079-2 Inst : Instr_C
Misc : 50,3.72,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 28 19:19 2006 Quant Results File: V803286C.RES

Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:28:20 2006
Response via : Initial Calibration

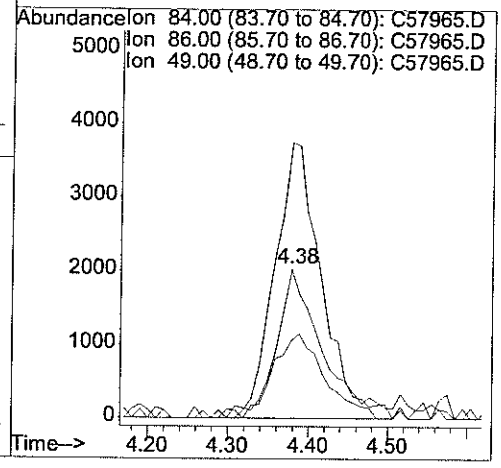




#16
Methylene Chloride
Concen: 2.22 ug/L
RT: 4.38 min Scan# 283
Delta R.T. -0.01 min
Lab File: C57965.D
Acq: 28 Mar 2006 7:23 pm

Tgt Ion: 84 Resp: 8145

Ion	Ratio	Lower	Upper
84	100		
86	52.4	41.9	81.9
49	185.4	182.1	222.1



analytics environmental laboratory LLC

195 Commerce Way
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603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

April 3, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number: CTO1042

Field Sample ID: NSB-NLON-SITE7-CS-SL-SWW-01-032206-01

SAMPLE DATA

Lab Sample ID: 56079-3
Matrix: Solid
Percent Solid: 86
Dilution Factor: 149
Collection Date: 03/22/06
Lab Receipt Date: 03/22/06
Analysis Date: 03/28/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	0.3	U	1,3-Dichloropropane	149	U
Bromobenzene	149	U	cis-1,3-Dichloropropene	149	U
Bromochloromethane	149	U	trans-1,3-Dichloropropene	149	U
Bromodichloromethane	112	U	2,2-Dichloropropane	149	U
Bromoform	112	U	1,1-Dichloropropene	149	U
Bromomethane	149	U	Ethylbenzene	149	U
n-butylbenzene	149	U	Hexachlorobutadiene	149	U
sec-butylbenzene	149	U	Isopropylbenzene	149	U
tert-butylbenzene	149	U	p-isopropyltoluene	149	U
Carbon Tetrachloride	149	U	Methylene Chloride	745	U
Chlorobenzene	149	U	Methyl-tert-butyl ether (MTBE)	149	U
Chloroethane	149	U	Naphthalene	149	U
Chloroform	112	U	n-Propylbenzene	149	U
Chloromethane	149	U	Styrene	149	U
2-Chlorotoluene	149	U	1,1,1,2-Tetrachloroethane	149	U
4-Chlorotoluene	149	U	1,1,2,2-Tetrachloroethane	112	U
Dibromochloromethane	112	U	Tetrachloroethene	149	U
1,2-Dibromo-3-chloropropane	149	U	Toluene	149	U
1,2-Dibromoethane	112	U	1,2,3-Trichlorobenzene	149	U
Dibromomethane	149	U	1,2,4-Trichlorobenzene	149	U
1,2-Dichlorobenzene	149	U	1,1,1-Trichloroethane	149	U
1,3-Dichlorobenzene	149	U	1,1,2-Trichloroethane	112	U
1,4-Dichlorobenzene	149	U	Trichloroethene	149	U
Dichlorodifluoromethane	149	U	Trichlorofluoromethane	149	U
1,1-Dichloroethane	149	U	1,2,3-Trichloropropane	149	U
1,2-Dichloroethane	112	U	1,2,4-Trimethylbenzene	149	U
1,1-Dichloroethene	112	U	1,3,5-Trimethylbenzene	149	U
cis-1,2-Dichloroethene	149	U	Vinyl Chloride	149	U
trans-1,2-Dichloroethene	149	U	o-Xylene	149	U
1,2-Dichloropropane	112	U	m,p-Xylene	149	**92 J**
Acetone	1490	U	Diethyl ether	149	U
Carbon Disulfide	149	U	2-Hexanone	1490	U
Tetrahydrofuran	745	U	Methyl isobutyl ketone	1490	U
Methyl ethyl ketone	1490	U	Di-isopropyl ether (DIPE)	149	U
t-Butyl alcohol (TBA)	2980	U	Ethyl t-butyl ether (ETBE)	149	U
t-Amyl methyl ether (TAME)	149	U			

Surrogate Standard Recovery

Dibromofluoromethane	79	%	d4-1,2-Dichloroethane	70	%	d8-Toluene	76	% Bromofluorobenzene	66 * %

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

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

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A. * Surrogate recovery is outside the laboratory acceptance criteria. Sample was reanalyzed with similar results.

8260 full (4)

Authorized signature

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\032806C\C57966.D Vial: 6
Acq On : 28 Mar 2006 7:56 pm Operator:
Sample : 56079-3 Inst : Instr_C
Misc : 50,3.91,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 28 19:48 2006 Quant Results File: V803286C.RES

Quant Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:28:20 2006
Response via : Initial Calibration
DataAcq Meth : V803286C

MT 3/29/06
DF = (5000)(5) / (5ml)(3.91)(.882) = 149
OK

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.96	168	154397	20.00	ug/L	-0.01
39) 1,4-Difluorobenzene	8.45	114	236763 ✓	20.00	ug/L	-0.01
63) *d5-Chlorobenzene	12.99	117	227514 ✓	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.72	152	117024	20.00	ug/L	0.00
System Monitoring Compounds						
28) Dibromofluoromethane	7.08	111	88718	15.87	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 79.35%			✓
36) d4-1,2-Dichloroethane	7.84	65	114944	14.07	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 70.35%			✓
54) d8-Toluene	10.71	98	203301	15.12	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 75.60%			✓
73) Bromofluorobenzene	14.86	95	93402	13.20	~~ug/L~~	0.00 *
Spiked Amount 20.000	Range 70 - 130		Recovery = ~~66.00%#~~			
Target Compounds						Qvalue
67) m,p-Xylene	13.28	106	4168)	0.62	ug/L	95

3/30/06
Report Benzene 0.30 ug/g

* Conf by file C57986.D

3/4/06

(#) = qualifier out of range (m) = manual integration
C57966.D V803286C.M Tue Mar 28 19:48:28 2006 Page 1

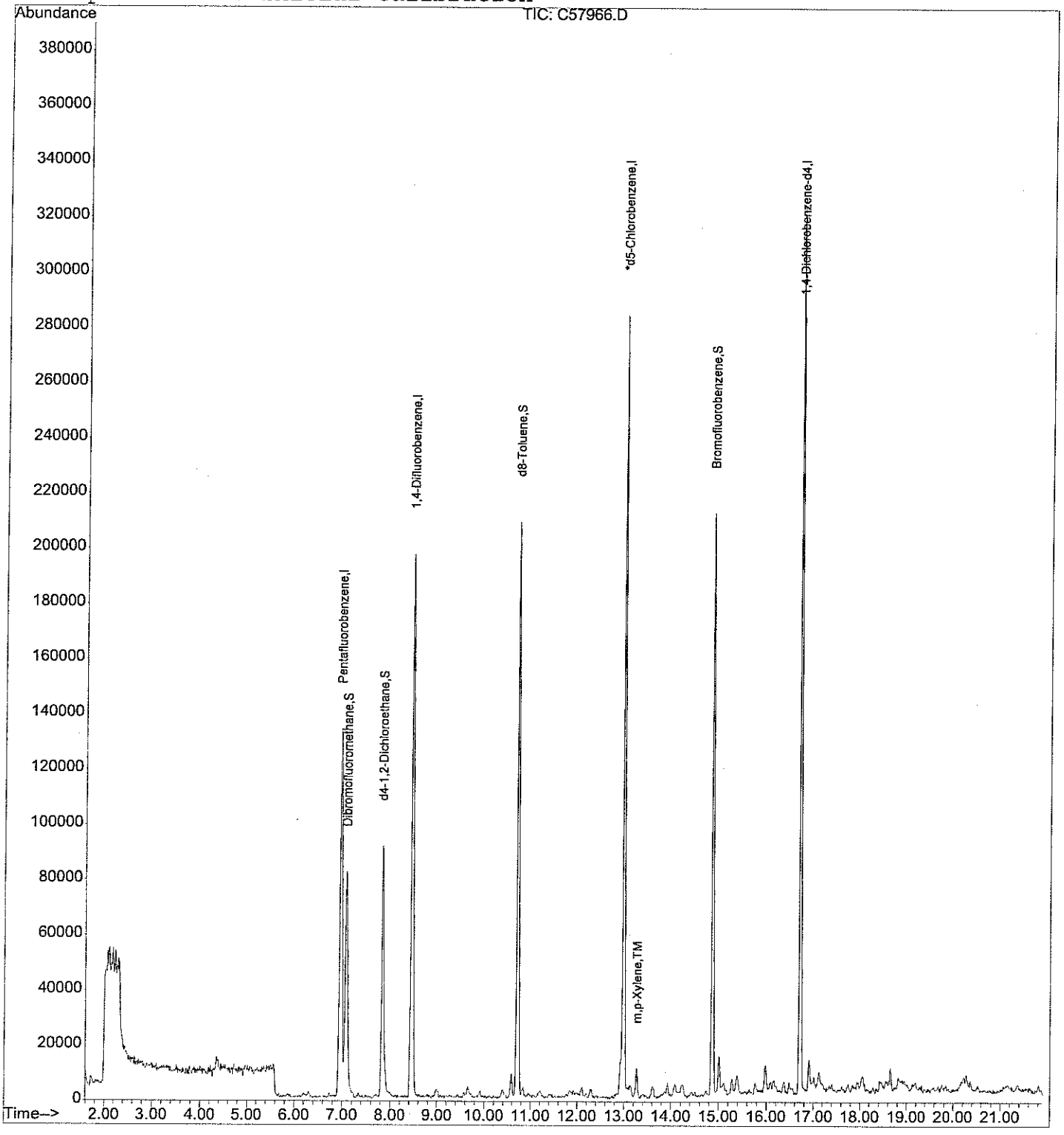
Quantitation Report

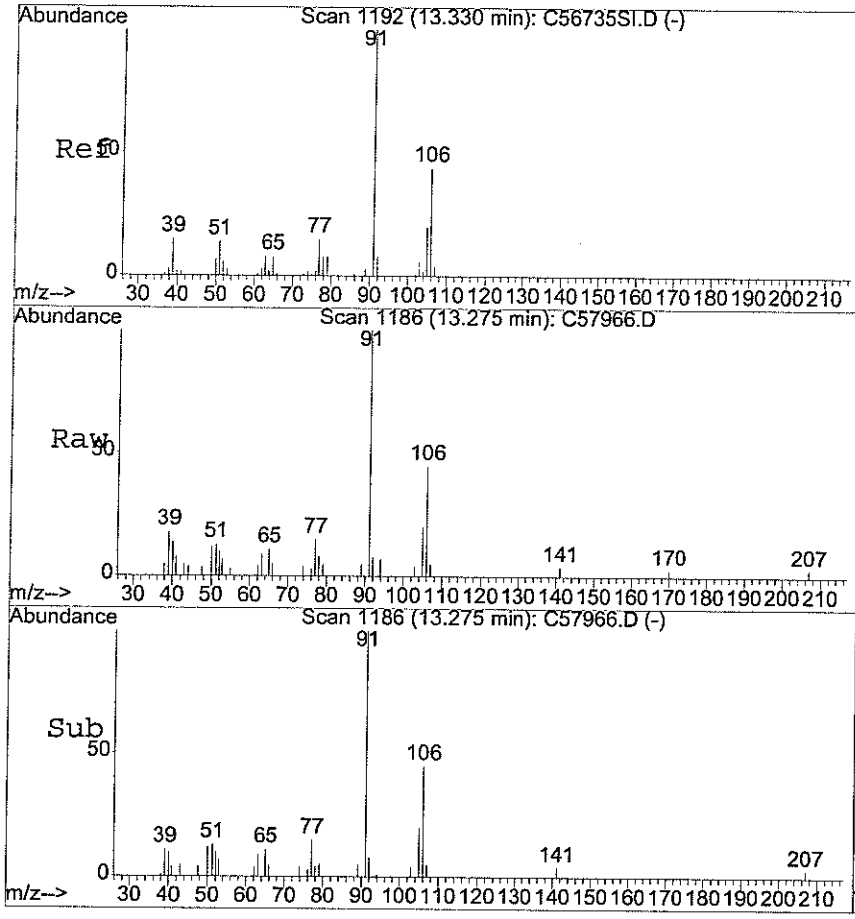
Data File : D:\HPCHEM\1\DATA\032806C\C57966.D
Acq On : 28 Mar 2006 7:56 pm
Sample : 56079-3
Misc : 50,3.91,SOIL
MS Integration Params: rteint.p
Quant Time: Mar 28 19:48 2006

Vial: 6
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V803286C.RES

Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:28:20 2006
Response via : Initial Calibration

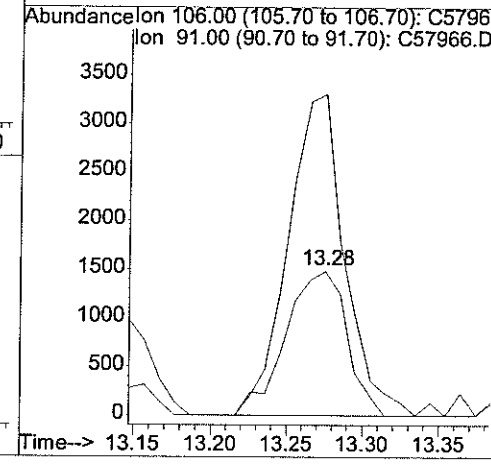




#67
m,p-Xylene
Concen: 0.62 ug/L
RT: 13.28 min Scan# 1186
Delta R.T. -0.00 min
Lab File: C57966.D
Acq: 28 Mar 2006 7:56 pm

Tgt Ion:106 Resp: 4168

Ion	Ratio	Lower	Upper
106	100		
91	222.9	174.5	254.5



analytics environmental laboratory LLC

VOLATILE
QC FORMS

analytics environmental laboratory LLC

VOLATILE ORGANIC SOLID
SYSTEM MONITORING COMPOUNDS
SUMMARY

Project #:	CTO 1042	Quote #:		SDG#:	56079
BFB File ID:	C57950T.D	Site ID:	Subbase Groton Site 7	Location:	CT
Instrument ID:	C			BFB Injection Date:	3/28/06
GC Column:	RTX-502.2	ID: 0.25(mm)		BFB Injection Time:	1130
				Heated Purge: (Y/N)	N

	SAMPLE ID	SMC1 #	SMC 2 #	SMC 3 #	SMC 4 #	OUT
01	0.2 PPB	NA	NA	NA	NA	0
02	1 PPB	NA	NA	NA	NA	0
03	2 PPB	NA	NA	NA	NA	0
04	5 PPB	NA	NA	NA	NA	0
05	20 PPB	NA	NA	NA	NA	0
06	50 PPB	NA	NA	NA	NA	0
07	100 PPB	NA	NA	NA	NA	0
08	ZZZZZ	62 *	63 *	52 *	83	3
09	ZZZZZ	97	83	97	83	0
10	LS03286C	85	74	85	74	0
11	LS03286C2	85	76	82	77	0
12	ZZZZZ	84	75	82	73	0
13	MB03286C	88	77	88	79	0
14	56079-1	81	70	79	72	0
15	56079-2	73	65 *	71	67 *	2
16	56079-3	79	70	76	66 *	1
17	ZZZZZ	81	72	81	72	0
18	ZZZZZ	63 *	52 *	12 *	4 *	4
19						
20						
21						
22						
23						
24						
25						
25						
26						

	QC LIMITS
SMC1 = Dibromofluoromethane	70-130%
SMC2 = 1,2-Dichloroethane-d4	70-130%
SMC3 = Toluene-d8	70-130%
SMC4 = Bromofluorobenzene	70-130%

\# Column to be used to flag recovery values

* Values outside of protocol required QC limits

D System Monitoring Compound diluted out

analytics environmental laboratory LLC

VOLATILE ORGANIC SOLID
SYSTEM MONITORING COMPOUNDS
SUMMARY

Project #: CTO 1042 Quote #: SDG#: 56079

BFB File ID: C57979T.D Site ID: Subbase Groton S. Location: CT

Instrument ID: C BFB Injection Date: 3/30/06

GC Column: RTX-502.2 ID: 0.25(mm) BFB Injection Time: 0925

Heated Purge: (Y/N) N

	SAMPLE ID	SMC1 #	SMC 2 #	SMC 3 #	SMC 4 #	OUT
01	20 PPB	100	85	96	83	0
02	L803306C	97	84	95	83	0
03	L803306C2	98	84	102	83	0
04	ZZZZZ	94	81	96	82	0
05	B803306C	97	87	96	86	0
06	56079-2,RR	73	62 *	65 *	64 *	3
07	56079-3,RR	79	66 *	73	67 *	2
08	ZZZZZ	62 *	63 *	52 *	68 *	4
09	ZZZZZ	15 *	13 *	14 *	13 *	4
10	ZZZZZ	97	86	96	81	0
11	ZZZZZ	74	63 *	73	65 *	2
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
25						
26						

	QC LIMITS
SMC1 = Dibromofluoromethane	70-130%
SMC2 = 1,2-Dichloroethane-d4	70-130%
SMC3 = Toluene-d8	70-130%
SMC4 = Bromofluorober	70-130%

\# Column to be used to flag recovery values

* Values outside of protocol required QC limits

D System Monitoring Compound diluted out

analytics environmental laboratory LLC

VOLATILE ORGANIC

LABORATORY CONTROL SAMPLE/DUPLICATE

PERCENT RECOVERY

Project #: CTO 1042 Quote #: SDG#: 56079

Site ID: Subbase Groton Site 7 Location: CT

Instrument ID: C

GC Column: RTX-502.2 ID: 0.25 (mm)

Heated Purge: (Y/N) N

Laboratory Control Sample/Duplicate Sample ID: LS03286C/LS03286C2

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE AMT (ug/kg)	MS CONC. (ug/kg)	MS REC %	#	MSD CONC. (ug/kg)	MSD REC %	#	RPD	#	QC LIMITS RPD	QC LIMITS % REC.
Dichlorodifluoromethane	2000	U	1029	51		1102	55		7		25	49-82
Chloromethane	2000	U	1380	69	*	1442	72	*	4		25	75-125
Vinyl Chloride	2000	U	1394	70	*	1416	71	*	2		25	75-125
Bromomethane	2000	U	1852	93		2347	117		24		25	75-125
Chloroethane	2000	U	1646	82		1621	81		2		25	75-125
t-Butyl alcohol (TBA)	10000	U	5597	56	*	9045	90		47	*	25	60-140
Trichlorofluoromethane	2000	U	1729	86		1668	83		4		25	75-125
Diethyl ether	2000	U	1714	86		1616	81		6		25	75-125
Acetone	5000	U	4142	83		4247	85		3		25	75-125
1,1-Dichloroethene	2000	U	1704	85		1382	69	*	21		25	75-125
Di-isopropyl ether (DIPE)	2000	U	1643	82		1636	82		0		25	75-125
Methylene Chloride	2000	U	1836	92		1800	90		2		25	75-125
Carbon Disulfide	2000	U	1666	83		1046	52	*	46	*	25	75-125
Methyl-tert-butyl ether (MTBE)	2000	U	1778	89		1811	91		2		25	75-125
trans-1,2-Dichloroethene	2000	U	1686	84		1689	84		0		25	75-125
1,1-Dichloroethane	2000	U	1678	84		1465	73	*	14		25	75-125
Methyl ethyl ketone	5000	U	4340	87		4603	92		6		25	60-140
Ethyl t-butyl ether (ETBE)	2000	U	1835	92		1915	96		4		25	75-125
2,2-Dichloropropane	2000	U	1835	92		1898	95		3		25	75-125
cis-1,2-Dichloroethene	2000	U	1879	94		1877	94		0		25	75-125
t-Amyl methyl ether (TAME)	2000	U	1844	92		1869	93		1		25	75-125
Chloroform	2000	U	1841	92		1795	90		3		25	75-125
Bromochloromethane	2000	U	1799	90		1915	96		6		25	75-125
Tetrahydrofuran	2000	U	1699	85		1902	95		11		25	60-140
1,1,1-Trichloroethane	2000	U	1855	93		1853	93		0		25	75-125
1,1-Dichloropropene	2000	U	1904	95		1898	95		0		25	75-125
Carbon Tetrachloride	2000	U	1911	96		1938	97		1		25	75-125
1,2-Dichloroethane	2000	U	1811	91		1856	93		2		25	75-125
Benzene	2000	U	1799	90		1784	89		1		25	75-125
Trichloroethene	2000	U	1880	94		1808	90		4		25	75-125
1,2-Dichloropropane	2000	U	1875	94		1779	89		5		25	75-125
Bromodichloromethane	2000	U	1916	96		1963	98		2		25	75-125
Dibromomethane	2000	U	1813	91		1933	97		6		25	75-125
2-Hexanone	5000	U	4516	90		4845	97		7		25	75-125
Methyl isobutyl ketone	5000	U	4548	91		4688	94		3		25	75-125
cis-1,3-Dichloropropene	2000	U	1893	95		1857	93		2		25	75-125
Toluene	2000	U	1904	95		1899	95		0		25	75-125
trans-1,3-Dichloropropene	2000	U	1888	94		1907	95		1		25	75-125
1,1,2-Trichloroethane	2000	U	1870	94		1917	96		2		25	75-125
1,3-Dichloropropane	2000	U	1886	94		1941	97		3		25	75-125
Tetrachloroethene	2000	U	1875	94		1886	94		1		25	75-125
Dibromochloromethane	2000	U	1891	95		1950	98		3		25	75-125
1,2-Dibromoethane	2000	U	1849	92		1896	95		3		25	75-125
Chlorobenzene	2000	U	1952	98		1925	96		1		25	75-125
1,1,1,2-Tetrachloroethane	2000	U	1850	92		1893	95		2		25	75-125
Ethylbenzene	2000	U	1869	93		1916	96		2		25	75-125
m,p-Xylene	4000	U	3744	94		3828	96		2		25	75-125

analytics environmental laboratory LLC

VOLATILE ORGANIC

LABORATORY CONTROL SAMPLE/DUPLICATE

PERCENT RECOVERY

Project #: CTO 1042 Quote #: SDG#: 56079

Site ID: Subbase Groton Site 7 Location: CT

Instrument ID: C

GC Column: RTX-502.2 ID: 0.25 (mm)

Heated Purge: (Y/N) N

Laboratory Control Sample/Duplicate Sample ID: LS03286C/LS03286C2

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE AMT (ug/kg)	MS CONC. (ug/kg)	MS REC %	#	MSD CONC. (ug/kg)	MSD REC %	#	RPD	#	QC LIMITS RPD	QC LIMITS % REC.
o-Xylene	2000	U	1906	95		1895	95		1		25	75-125
Styrene	2000	U	1997	100		1981	99		1		25	75-125
Bromoform	2000	U	1900	95		1930	97		2		25	75-125
Isopropylbenzene	2000	U	1877	94		1931	97		3		25	75-125
1,1,2,2-Tetrachloroethane	2000	U	1790	90		1883	94		5		25	75-125
1,2,3-Trichloropropane	2000	U	1830	91		1878	94		3		25	75-125
n-Propylbenzene	2000	U	1896	95		1886	94		0		25	75-125
Bromobenzene	2000	U	1859	93		1884	94		1		25	75-125
1,3,5-Trimethylbenzene	2000	U	1818	91		1857	93		2		25	75-125
2-Chlorotoluene	2000	U	1822	91		1871	94		3		25	75-125
4-Chlorotoluene	2000	U	1898	95		1874	94		1		25	75-125
tert-butylbenzene	2000	U	1807	90		1872	94		4		25	75-125
1,2,4-Trimethylbenzene	2000	U	1853	93		1883	94		2		25	75-125
sec-butylbenzene	2000	U	1865	93		1888	94		1		25	75-125
p-isopropyltoluene	2000	U	1866	93		1902	95		2		25	75-125
1,3-Dichlorobenzene	2000	U	1891	95		1856	93		2		25	75-125
1,4-Dichlorobenzene	2000	U	1957	98		1916	96		2		25	75-125
n-butylbenzene	2000	U	1913	96		1953	98		2		25	75-125
1,2-Dichlorobenzene	2000	U	1933	97		1977	99		2		25	75-125
1,2-Dibromo-3-chloropropane	2000	U	1678	84		1836	92		9		25	75-125
1,2,4-Trichlorobenzene	2000	U	1868	93		1956	98		5		25	75-125
Hexachlorobutadiene	2000	U	1883	94		1957	98		4		25	75-125
Naphthalene	2000	U	1803	90		1886	94		5		25	75-125
1,2,3-Trichlorobenzene	2000	U	1868	93		1942	97		4		25	75-125

Column to be used to flag recovery and RPD values with an asterisk

* 2 Values outside of QC limits
RPD: 1 out of 71 outside limits
Spike Recovery: 8 out of 142 outside limits

Comments: _____

_____

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\032806C\C57960Q.D Vial: 16
Acq On : 28 Mar 2006 4:34 pm Operator:
Sample : LS03286C Inst : Instr_C
Misc : 50,5.00,SOIL Multiplr: 1.00
IS Integration Params: rteint.p
Quant Time: Mar 28 17:26 2006 Quant Results File: V803286C.RES

Quant Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:28:20 2006
Response via : Initial Calibration
DataAcq Meth : V803286C

MT 3/29/06 3.29.06

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.98	168	165388	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.46	114	244610	20.00 ug/L	0.00
63) *d5-Chlorobenzene	13.00	117	230468	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.71	152	110113	20.00 ug/L	0.00
System Monitoring Compounds					
28) Dibromofluoromethane	7.10	111	101328	16.92 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 84.60%		
36) d4-1,2-Dichloroethane	7.85	65	130279	14.89 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 74.45%		
54) d8-Toluene	10.72	98	237283	17.08 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 85.40%		
73) Bromofluorobenzene	14.87	95	106689	14.88 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 74.40%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.69	85	59962	10.29 ug/L	99
3) Chloromethane	1.92	50	83814	13.80 ug/L	95
4) Vinyl Chloride	2.00	62	99762	13.94 ug/L	99
5) Bromomethane	2.44	94	67937	18.52 ug/L	99
6) Chloroethane	2.53	64	53232	16.46 ug/L	98
7) t-Butyl alcohol (TBA)	3.87	59	36398	55.97 ug/L	99
8) Trichlorofluoromethane	2.84	101	207715	17.29 ug/L	97
9) Diethyl ether	3.24	74	34557	17.14 ug/L	98
10) 1,1,2-Trichlorotrifluoroet	3.40	101	89154	18.06 ug/L	98
12) Acetone	3.51	43	84233	41.42 ug/L	99
13) 1,1-Dichloroethene	3.64	96	64401	17.04 ug/L	96
14) Methyl iodide	4.07	142	94925	15.68 ug/L	95
15) Di-isopropyl ether (DIPE)	5.47	45	287963	16.43 ug/L	99
16) Methylene Chloride	4.39	84	71729	18.36 ug/L	98
17) Carbon Disulfide	4.35	76	227947	16.66 ug/L	100
18) Acrylonitrile	4.62	53	32321	17.47 ug/L	92
19) Methyl-tert-butyl ether (M	4.70	73	277402	17.78 ug/L	99
20) trans-1,2-Dichloroethene	4.87	61	166049	16.86 ug/L	98
21) 1,1-Dichloroethane	5.56	63	163541	16.78 ug/L	96
23) Methyl ethyl ketone	6.29	72	15841	43.40 ug/L	91
24) Ethyl t-butyl ether (ETBE)	6.12	59	294791	18.35 ug/L	99
25) 2,2-Dichloropropane	6.45	77	140576	18.35 ug/L	98
26) cis-1,2-Dichloroethene	6.51	96	81465	18.79 ug/L	95
27) t-Amyl methyl ether (TAME)	7.84	73	207809	18.44 ug/L	99
29) Chloroform	6.76	83	163492	18.41 ug/L	96
30) Bromochloromethane	6.99	128	45966	17.99 ug/L	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\032806C\C57960Q.D Vial: 16
Acq On : 28 Mar 2006 4:34 pm Operator:
Sample : LS03286C Inst : Instr_C
Misc : 50,5.00,SOIL Multiplr: 1.00
IS Integration Params: rteint.p
Quant Time: Mar 28 17:26 2006 Quant Results File: V803286C.RES

Quant Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:28:20 2006
Response via : Initial Calibration
DataAcq Meth : V803286C

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31) Tetrahydrofuran	7.09	71	6850	16.99 ug/L	96
32) 1,1,1-Trichloroethane	7.36	97	158677	18.55 ug/L	97
34) 1,1-Dichloropropene	7.60	75	117254	19.04 ug/L	99
35) Carbon Tetrachloride	7.74	119	140284	19.11 ug/L	100
37) 1,2-Dichloroethane	7.99	62	181335	18.11 ug/L	97
38) Benzene	7.99	78	244924	17.99 ug/L	96
40) Trichloroethene	8.93	95	91711	18.80 ug/L	96
41) 1,2-Dichloropropane	9.19	63	84340	18.75 ug/L	100
42) Methylmethacrylate	9.35	69	49584	17.23 ug/L	99
45) Bromodichloromethane	9.53	83	124802	19.16 ug/L	97
46) Dibromomethane	9.60	93	67901	18.13 ug/L	96
47) 1,4-Dioxane	9.61	88	7419	163.96 ug/L	88
51) 2-Hexanone	11.41	58	75003	45.16 ug/L	98
52) Methyl isobutyl ketone	10.11	58	78343	45.48 ug/L	98
53) cis-1,3-Dichloropropene	10.37	75	132502	18.93 ug/L	99
55) Toluene	10.84	92	165872	19.04 ug/L	97
56) trans-1,3-Dichloropropene	11.13	75	134006	18.88 ug/L	99
58) 1,1,2-Trichloroethane	11.35	83	54599	18.70 ug/L	97
59) 1,3-Dichloropropane	11.73	76	111947	18.86 ug/L	99
60) Tetrachloroethene	11.81	166	106508	18.75 ug/L	97
61) Dibromochloromethane	12.10	129	105155	18.91 ug/L	98
62) 1,2-Dibromoethane	12.40	107	96813	18.49 ug/L	94
64) Chlorobenzene	13.05	112	230892	19.52 ug/L	99
65) 1,1,1,2-Tetrachloroethane	13.12	131	86636	18.50 ug/L	99
66) Ethylbenzene	13.15	91	341632	18.69 ug/L	99
67) m,p-Xylene	13.27	106	255891	37.44 ug/L	97
68) o-Xylene	13.93	106	127025	19.06 ug/L	91
69) Styrene	13.99	104	227018	19.97 ug/L	99
70) Bromoform	14.47	173	82582	19.00 ug/L	99
71) Isopropylbenzene	14.49	105	353268	18.77 ug/L	99
72) 1,1,2,2-Tetrachloroethane	14.76	83	83826	17.90 ug/L	99
74) 1,2,3-Trichloropropane	14.99	75	72439	18.30 ug/L	93
75) trans-1,4-Dichloro-2-buten	15.11	53	44839	18.79 ug/L	96
76) n-Propylbenzene	15.13	91	419082	18.96 ug/L	99
77) Bromobenzene	15.15	156	98797	18.59 ug/L	92
78) 1,3,5-Trimethylbenzene	15.38	105	297538	18.18 ug/L	95
79) 2-Chlorotoluene	15.37	91	278387	18.22 ug/L	99
80) 4-Chlorotoluene	15.45	91	265564	18.98 ug/L	99
81) tert-butylbenzene	15.92	119	253444	18.07 ug/L	99
82) 1,2,4-Trimethylbenzene	15.98	105	303024	18.53 ug/L	98
83) Pentachloroethane	15.99	167	67587	19.42 ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\032806C\C57960Q.D Vial: 16
Acq On : 28 Mar 2006 4:34 pm Operator:
Sample : LS03286C Inst : Instr_C
Misc : 50,5.00,SOIL Multiplr: 1.00
IS Integration Params: rteint.p
Quant Time: Mar 28 17:26 2006 Quant Results File: V803286C.RES

Quant Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:28:20 2006
Response via : Initial Calibration
DataAcq Meth : V803286C

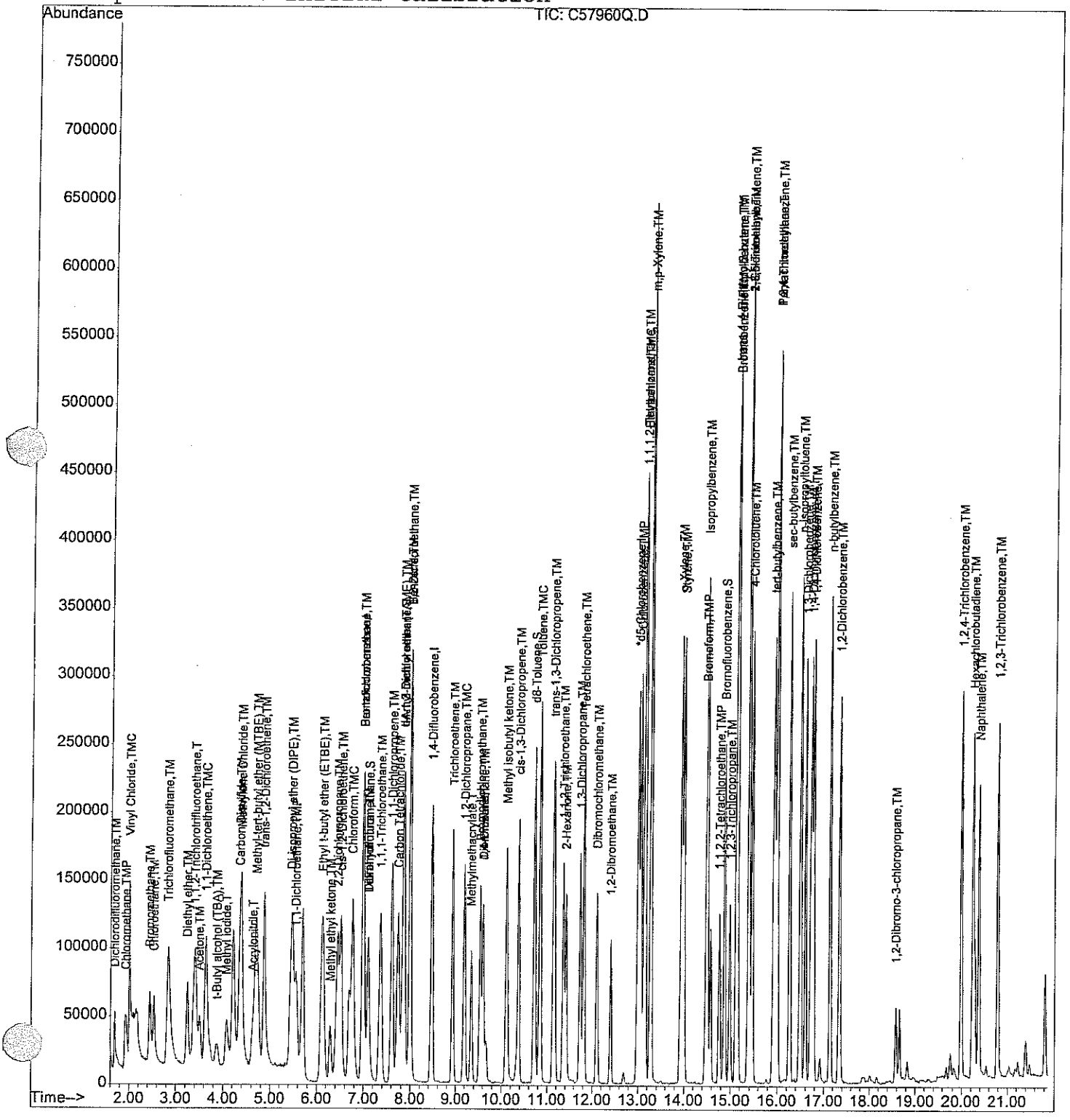
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
84) sec-butylbenzene	16.26	105	390347	18.65 ug/L	98
85) p-isopropyltoluene	16.49	119	317322	18.66 ug/L	98
86) 1,3-Dichlorobenzene	16.60	146	170149	18.91 ug/L	98
88) 1,4-Dichlorobenzene	16.76	146	172237	19.57 ug/L	97
89) n-butylbenzene	17.14	91	292149	19.13 ug/L	98
90) 1,2-Dichlorobenzene	17.33	146	155441	19.33 ug/L	97
92) 1,2-Dibromo-3-chloropropan	18.58	75	19186	16.78 ug/L	89
94) 1,2,4-Trichlorobenzene	19.99	180	136104	18.68 ug/L	97
95) Hexachlorobutadiene	20.23	225	76745	18.83 ug/L	94
96) Naphthalene	20.37	128	232383	18.03 ug/L	100
97) 1,2,3-Trichlorobenzene	20.79	180	123922	18.68 ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\032806C\C57960Q.D Vial: 16
Acq On : 28 Mar 2006 4:34 pm Operator:
Sample : LS03286C Inst : Instr_C
Misc : 50,5.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 28 17:26 2006 Quant Results File: V803286C.RES

Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:28:20 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\032806C\C57961Q.D Vial: 1
Acq On : 28 Mar 2006 5:07 pm Operator:
Sample : LS03286C2 Inst : Instr_C
Misc : 50,5.00,SOIL Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Mar 29 8:51 2006 Quant Results File: V803286C.RES

Quant Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:28:20 2006
Response via : Initial Calibration
DataAcq Meth : V803286C

MT 3/29/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.97	168	151948	20.00	ug/L	0.00
39) 1,4-Difluorobenzene	8.45	114	228836 ✓	20.00	ug/L	0.00
63) *d5-Chlorobenzene	12.99	117	215792 ✓	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.72	152	103738	20.00	ug/L	0.00
System Monitoring Compounds						
28) Dibromofluoromethane	7.09	111	93713	17.03	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 85.15% ✓			
36) d4-1,2-Dichloroethane	7.84	65	121929	15.17	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 75.85% ✓			
54) d8-Toluene	10.71	98	213827	16.45	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 82.25% ✓			
73) Bromofluorobenzene	14.87	95	103406	15.40	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 77.00% ✓			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.68	85	58992	11.02	ug/L	96
3) Chloromethane	1.93	50	80434	14.42	ug/L	98
4) Vinyl Chloride	1.99	62	93107	14.16	ug/L	99
5) Bromomethane	2.40	94	79095	23.47	ug/L	94
6) Chloroethane	2.50	64	48170	16.21	ug/L	100
7) t-Butyl alcohol (TBA)	3.97	59	54046	90.45	ug/L	100
8) Trichlorofluoromethane	2.80	101	184068m	16.68	ug/L	
9) Diethyl ether	3.24	74	29932	16.16	ug/L	97
10) 1,1,2-Trichlorotrifluoroet	3.38	101	83890	18.50	ug/L	95
12) Acetone	3.53	43	79348	42.47	ug/L	100
13) 1,1-Dichloroethene	3.60	96	47963	13.82	ug/L	96
14) Methyl iodide	4.06	142	67040	12.05	ug/L	97
15) Di-isopropyl ether (DIPE)	5.48	45	263417	16.36	ug/L	100
16) Methylene Chloride	4.37	84	64612	18.00	ug/L	88
17) Carbon Disulfide	4.32	76	131519	10.46	ug/L	100
18) Acrylonitrile	4.63	53	32680	19.22	ug/L	95
19) Methyl-tert-butyl ether (M	4.71	73	259564	18.11	ug/L	99
20) trans-1,2-Dichloroethene	4.85	61	152812	16.89	ug/L	96
21) 1,1-Dichloroethane	5.54	63	131191	14.65	ug/L	95
23) Methyl ethyl ketone	6.31	72	15435	46.03	ug/L	85
24) Ethyl t-butyl ether (ETBE)	6.13	59	282721	19.15	ug/L	100
25) 2,2-Dichloropropane	6.42	77	133553	18.98	ug/L	97
26) cis-1,2-Dichloroethene	6.50	96	74789	18.77	ug/L	95
27) t-Amyl methyl ether (TAME)	7.84	73	193514	18.69	ug/L	99
29) Chloroform	6.76	83	146435	17.95	ug/L	98
30) Bromochloromethane	6.98	128	44942	19.15	ug/L	95

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\032806C\C57961Q.D Vial: 1
Acq On : 28 Mar 2006 5:07 pm Operator:
Sample : LS03286C2 Inst : Instr_C
Misc : 50,5.00,SOIL Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Mar 29 8:51 2006 Quant Results File: V803286C.RES

Quant Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:28:20 2006
Response via : Initial Calibration
DataAcq Meth : V803286C

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31) Tetrahydrofuran	7.10	71	7045	19.02 ug/L	98
32) 1,1,1-Trichloroethane	7.35	97	145612	18.53 ug/L	96
34) 1,1-Dichloropropene	7.60	75	107381	18.98 ug/L	99
35) Carbon Tetrachloride	7.72	119	130734	19.38 ug/L	99
37) 1,2-Dichloroethane	7.98	62	170710	18.56 ug/L	98
38) Benzene	7.98	78	223071	17.84 ug/L	100
40) Trichloroethene	8.92	95	82523	18.08 ug/L	95
41) 1,2-Dichloropropane	9.18	63	74889	17.79 ug/L	98
42) Methylmethacrylate	9.35	69	46888	17.42 ug/L	97
45) Bromodichloromethane	9.53	83	119572	19.63 ug/L	98
46) Dibromomethane	9.60	93	67722	19.33 ug/L	97
47) 1,4-Dioxane	9.63	88	20037	473.35 ug/L	95
51) 2-Hexanone	11.41	58	75286	48.45 ug/L	99
52) Methyl isobutyl ketone	10.11	58	75547	46.88 ug/L	100
53) cis-1,3-Dichloropropene	10.37	75	121602	18.57 ug/L	96
55) Toluene	10.83	92	154711	18.99 ug/L	100
56) trans-1,3-Dichloropropene	11.13	75	126617	19.07 ug/L	98
58) 1,1,2-Trichloroethane	11.35	83	52355	19.17 ug/L	100
59) 1,3-Dichloropropane	11.73	76	107753	19.41 ug/L	97
60) Tetrachloroethene	11.81	166	100189	18.86 ug/L	97
61) Dibromochloromethane	12.10	129	101483	19.50 ug/L	94
62) 1,2-Dibromoethane	12.40	107	92874	18.96 ug/L	95
64) Chlorobenzene	13.05	112	213106	19.25 ug/L	98
65) 1,1,1,2-Tetrachloroethane	13.13	131	83021	18.93 ug/L	96
66) Ethylbenzene	13.15	91	327831	19.16 ug/L	98
67) m,p-Xylene	13.27	106	244966	38.28 ug/L	93
68) o-Xylene	13.93	106	118205	18.95 ug/L	94
69) Styrene	13.99	104	210797	19.81 ug/L	96
70) Bromoform	14.47	173	78543	19.30 ug/L	99
71) Isopropylbenzene	14.50	105	340239	19.31 ug/L	99
72) 1,1,2,2-Tetrachloroethane	14.76	83	82558	18.83 ug/L	99
74) 1,2,3-Trichloropropane	14.98	75	69632	18.78 ug/L	100
75) trans-1,4-Dichloro-2-buten	15.11	53	42604	19.06 ug/L	99
76) n-Propylbenzene	15.12	91	390484	18.86 ug/L	98
77) Bromobenzene	15.15	156	93722	18.84 ug/L	99
78) 1,3,5-Trimethylbenzene	15.38	105	284520	18.57 ug/L	98
79) 2-Chlorotoluene	15.38	91	267612	18.71 ug/L	99
80) 4-Chlorotoluene	15.45	91	245447	18.74 ug/L	98
81) tert-butylbenzene	15.93	119	245838	18.72 ug/L	97
82) 1,2,4-Trimethylbenzene	15.99	105	288404	18.83 ug/L	99
83) Pentachloroethane	15.99	167	62058	19.05 ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\032806C\C57961Q.D Vial: 1
Acq On : 28 Mar 2006 5:07 pm Operator:
Sample : LS03286C2 Inst : Instr_C
Misc : 50,5.00,SOIL Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Mar 29 8:51 2006 Quant Results File: V803286C.RES

Quant Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:28:20 2006
Response via : Initial Calibration
DataAcq Meth : V803286C

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
84) sec-butylbenzene	16.26	105	369927	18.88	ug/L	100
85) p-isopropyltoluene	16.48	119	302904	19.02	ug/L	99
86) 1,3-Dichlorobenzene	16.60	146	156392	18.56	ug/L	100
88) 1,4-Dichlorobenzene	16.77	146	158823	19.16	ug/L	97
89) n-butylbenzene	17.13	91	281031	19.53	ug/L	96
90) 1,2-Dichlorobenzene	17.34	146	149757	19.77	ug/L	96
92) 1,2-Dibromo-3-chloropropan	18.58	75	19782	18.36	ug/L	94
94) 1,2,4-Trichlorobenzene	19.99	180	134211	19.56	ug/L	96
95) Hexachlorobutadiene	20.24	225	75160	19.57	ug/L	96
96) Naphthalene	20.38	128	229071	18.86	ug/L	100
97) 1,2,3-Trichlorobenzene	20.78	180	121370	19.42	ug/L	97

(#) = qualifier out of range (m) = manual integration

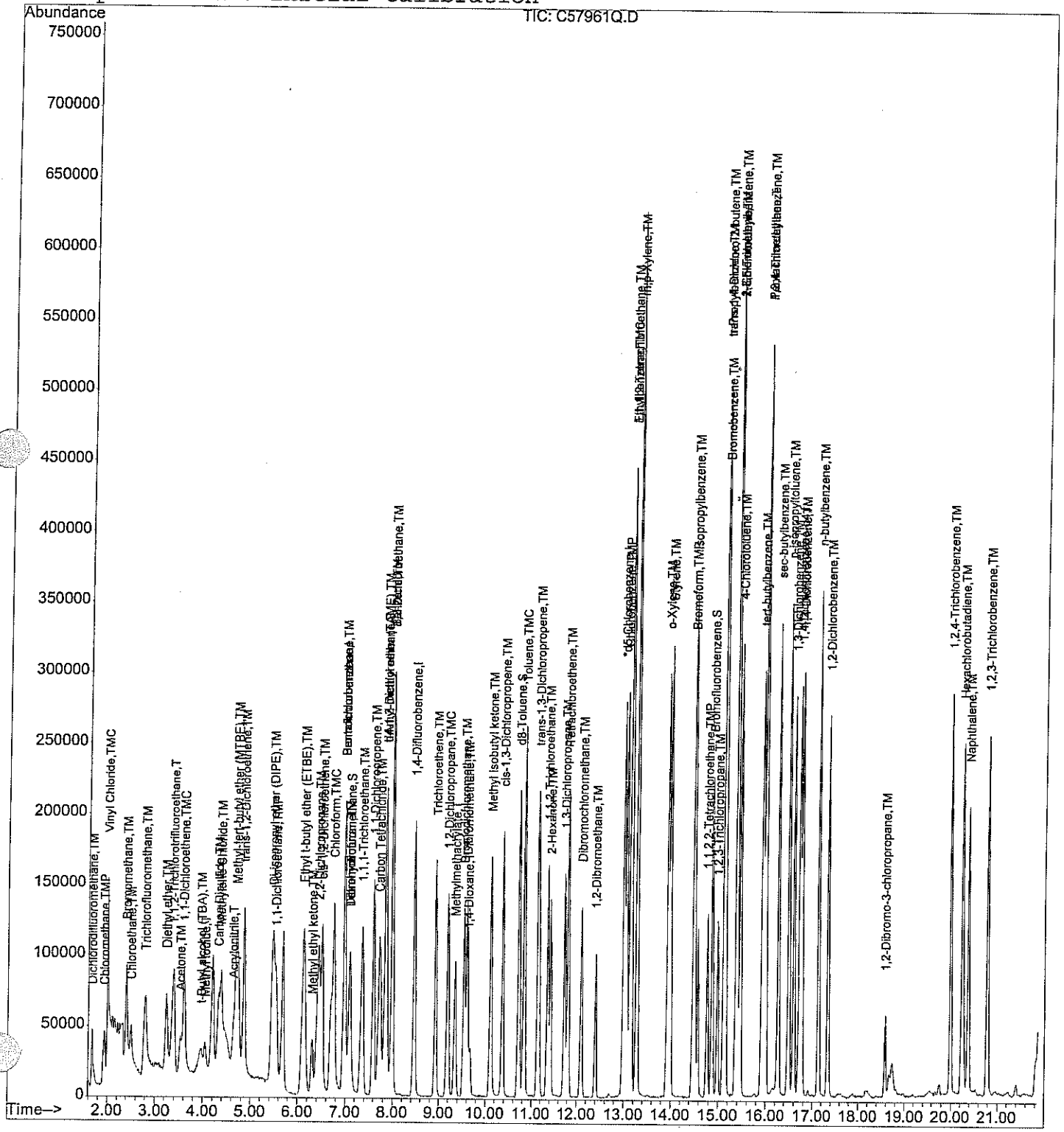
Quantitation Report

Data File : D:\HPCHEM\1\DATA\032806C\C57961Q.D
Acq On : 28 Mar 2006 5:07 pm
Sample : LS03286C2
Misc : 50,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Mar 29 8:51 2006

Vial: 1
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V803286C.RES

Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Mar 29 08:45:09 2006
Response via : Initial Calibration



Quantitation Report (Qedit)

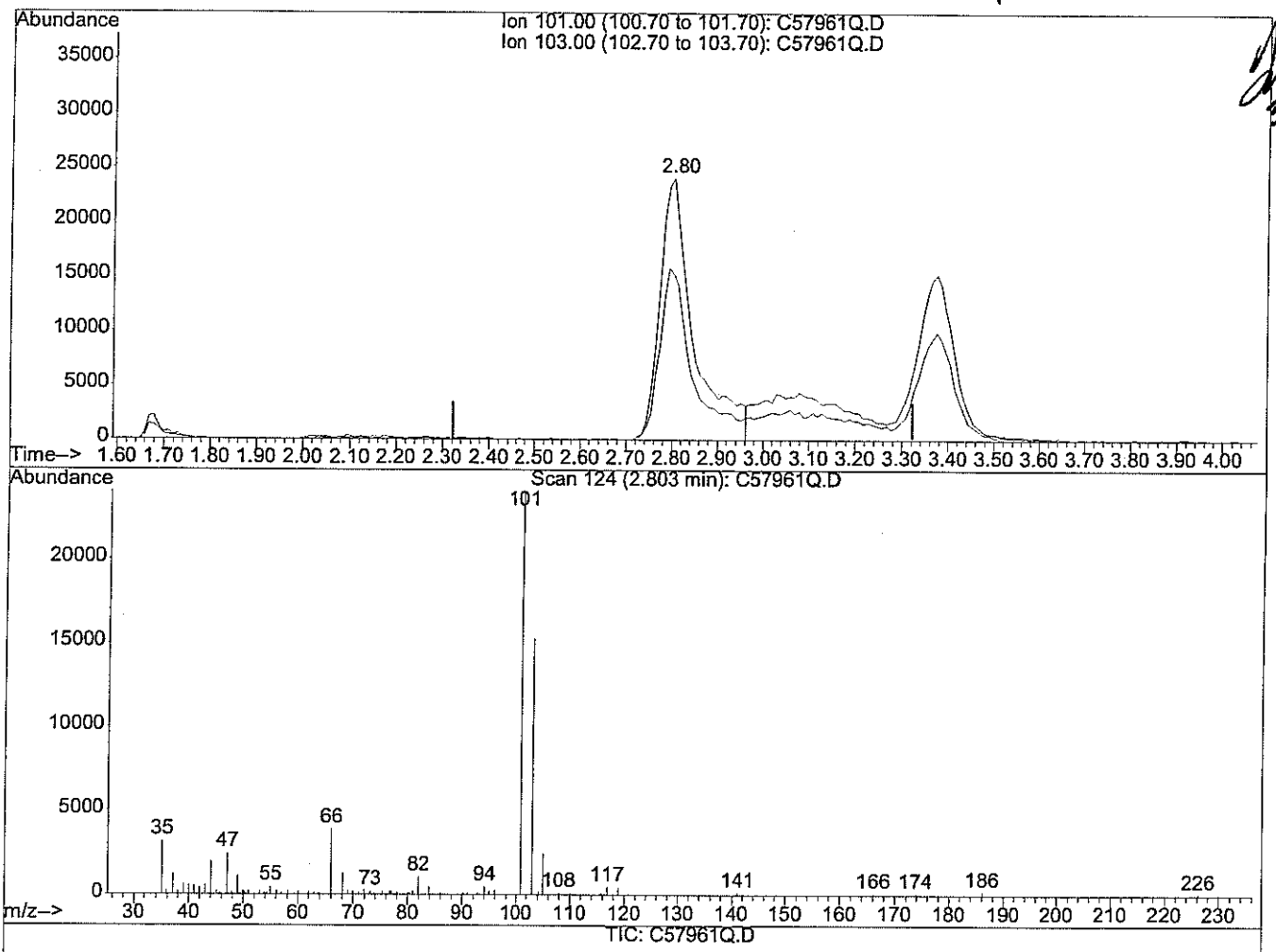
Data File : D:\HPCHEM\1\DATA\032806C\C57961Q.D
Acq On : 28 Mar 2006 5:07 pm
Sample : LS03286C2
Misc : 50,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Mar 28 17:28 2006

Vial: 1
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Mar 29 08:45:09 2006
Response via : Multiple Level Calibration

MM 3/29/06
peak tailing



(8) Trichlorofluoromethane (TM)

2.80min 11.34ug/L

response 125121

Ion	Exp%	Act%
101.00	100	100
103.00	64.30	63.51
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

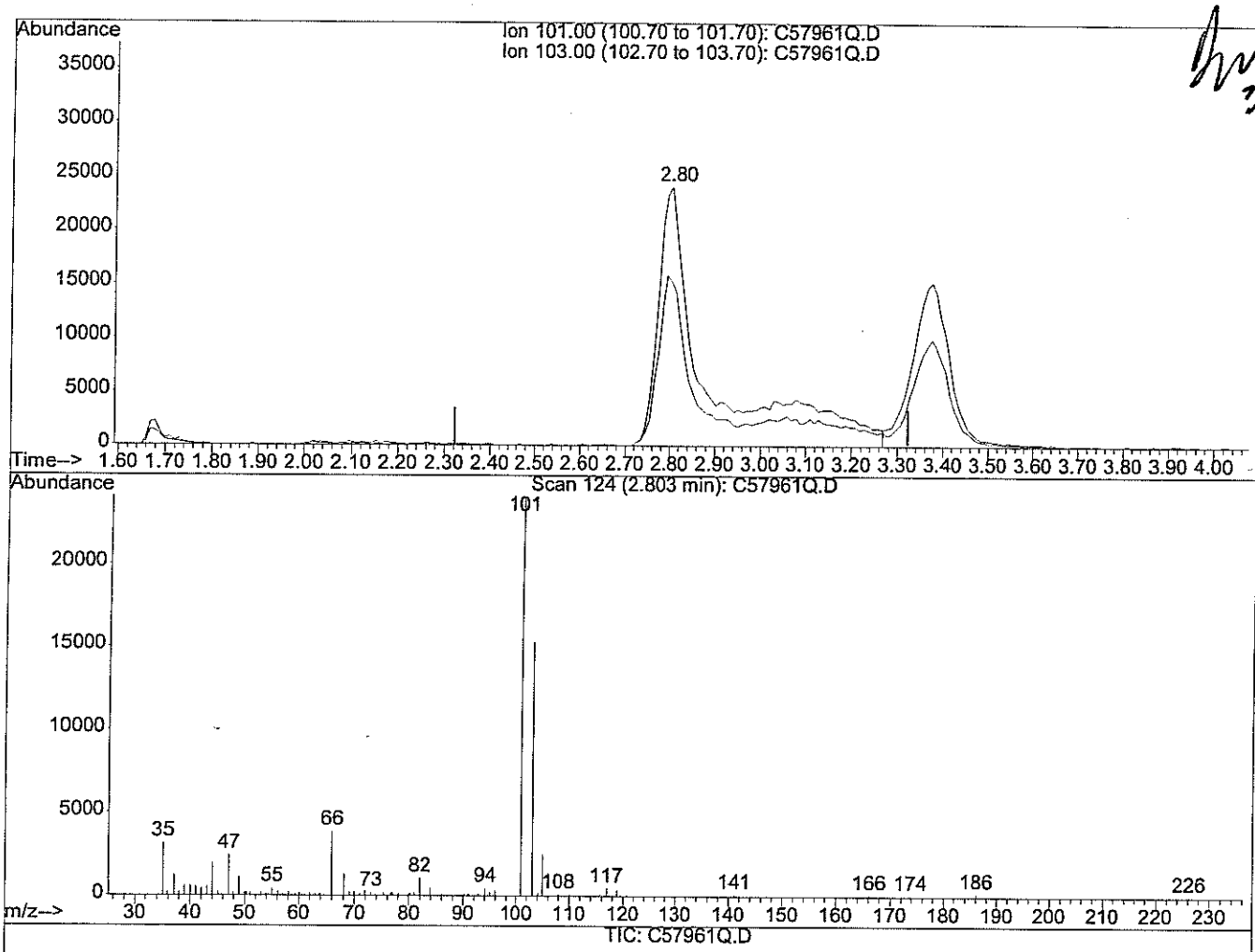
Data File : D:\HPCHEM\1\DATA\032806C\C57961Q.D
Acq On : 28 Mar 2006 5:07 pm
Sample : LS03286C2
Misc : 50,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Mar 29 8:51 2006

Vial: 1
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Mar 29 08:45:09 2006
Response via : Multiple Level Calibration

MT 3/29/06



(8) Trichlorofluoromethane (TM)

2.80min 16.68ug/L m

response 184068

Ion	Exp%	Act%
101.00	100	100
103.00	64.30	63.51
0.00	0.00	0.00
0.00	0.00	0.00

SS only V5903 Exp: 3/28/06
IS only V5904 Exp: ↓
SS+IS V5905 Exp: ↓

GC/MS Volatiles Instrument: C

032806-C

Voltage 1906
Threshold 100

Tube	Method	Sample	Vol	DF	Comments	File #	LB	pH
		W-C-032806						
16	V803186C	BFB 50ng 2ml V5901	5mL			C57948T	MT	NA
1	↓	20ppb 5ml V5924 V5908	↓			49SC	↓	↓
4	V803286C	BFB 50ng 2ml V5901	↓		✓	50T	↓	↓
5	↓	0.2ppb .05ml V5924 V5908	↓		Avg % RSD 7.83% BM, 2-CEVE to 50ppb	51si	↓	↓
6	↓	1 ppb .25ml	↓			52si	↓	↓
7	↓	2 ppb .50ml	↓			53si	↓	↓
8	↓	5 ppb 1.25ml	↓			54si	↓	↓
9	↓	20 ppb 5ml	↓			55si	↓	↓
10	↓	50 ppb 12.5ml	↓			56si	↓	↓
11	↓	100 ppb 25ml	↓			57si	↓	↓
12	↓	Blank	↓			58	↓	↓
~~13~~ ~~16~~ 15	↓	LS03286C	↓		✓	59Q	↓	↓
~~14~~ 16	↓	LS03286C	50ml/5mL		✓ 1,4 Dioxane ↓	60Q	↓	↓
~~2~~ 1	↓	LS03286C2	↓		✓ 1,4 Dioxane OK. Carb. Disul. ↓	61Q	↓	↓
~~3~~ 2	↓	Bromoform	5mL		✓	62	↓	↓
~~4~~ 3	↓	MB03286C	50ml/5mL		✓	63B	↓	↓
4	↓	56079-1	↓		✓ 4.70	64	↓	↓
5	↓	-2	↓	✓	RR 50ml ↓SS - Confirmed 3.72	65	↓	↓
6	↓	-3	↓	✓	RR 50ml ↓SS - Confirmed 3.91	66	↓	↓
7	↓	56068-1	↓		✓ 50mL F.V. 19.70	67	↓	↓
8	↓	56069-1	↓		✓ Confirms ↓SS 25mL F.V. 12.38	68	↓	↓

MT 3/29/06

Revision: 04/30/02

VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Project #: CTO 1042 Quote #: SDG#: 56079

BFB File ID: C57950T.D Site ID: Subbase Groton Site 7 Location: CT

Instrument ID: C BFB Injection Date: 3/28/06

GC Column: RTX-502.2 ID: 0.25(mm) BFB Injection Time: 1130

Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	26.6
75	30.0 - 60.0% of mass 95	53.5
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50% of mass 95	95.0
175	5.0 - 9.0% of mass 174	6.8 (7.2)1
176	>95.0 - <101.0% of mass 174	94.7 (99.7)1
177	5.0 - 9.0% of mass 176	6.0 (6.3)2

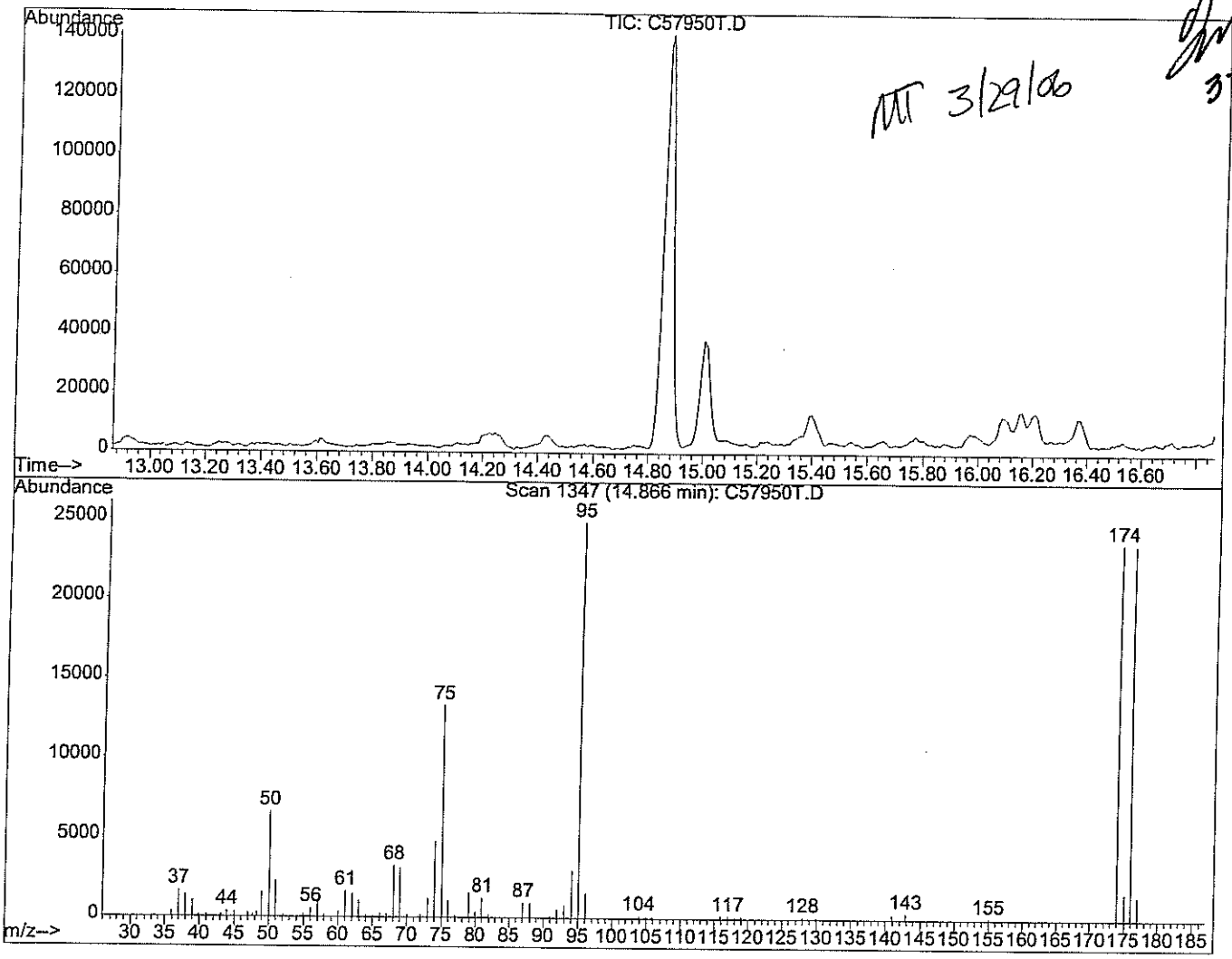
1-Value is % mass 174 2-Value is % mass 176

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	0.2 PPB	0.2 PPB	C57951SI.D	03/28/06	12:11
02	1 PPB	1 PPB	C57952SI.D	03/28/06	12:44
03	2 PPB	2 PPB	C57953SI.D	03/28/06	13:17
04	5 PPB	5 PPB	C57954SI.D	03/28/06	13:21
05	20 PPB	20 PPB	C57955SI.D	03/28/06	13:54
06	50 PPB	50 PPB	C57956SI.D	03/28/06	14:27
07	100 PPB	100 PPB	C57957SI.D	03/28/06	15:00
08	ZZZZZ	ZZZZZ	C57958.D	03/28/06	15:42
09	ZZZZZ	ZZZZZ	C57959Q.D	03/28/06	16:01
10	LS03286C	LS03286C	C57960Q.D	03/28/06	16:34
11	LS03286C2	LS03286C2	C57961Q.D	03/28/06	17:07
12	ZZZZZ	ZZZZZ	C57962.D	03/28/06	17:40
13	MB03286C	MB03286C	C57963B.D	03/28/06	18:17
14	56079-1	56079-1	C57964.D	03/28/06	18:50
15	56079-2	56079-2	C57965.D	03/28/06	19:23
16	56079-3	56079-3	C57966.D	03/28/06	19:56
17	ZZZZZ	ZZZZZ	C57967.D	03/28/06	19:56
18	ZZZZZ	ZZZZZ	C57968.D	03/28/06	20:34
19					
20					
21					
22					
23					
24					

Data File : D:\HPCHEM\1\DATA\032806C\C57950T.D
Acq On : 28 Mar 2006 11:30 am
Sample : BFB 50NG
Misc : 5000
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics

Vial: 4
Operator:
Inst : Instr_C
Multiplr: 1.00



MT 3/29/06

3-29-06

Spectrum Information: Scan 1347

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	26.6	6619	PASS
75	95	30	60	53.5	13326	PASS
95	95	100	100	100.0	24904	PASS
96	95	5	9	6.3	1580	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	95.0	23656	PASS
175	174	5	9	7.2	1697	PASS
176	174	95	101	99.7	23584	PASS
177	176	5	9	6.3	1482	PASS

C57950T.D V803286C.M Tue Mar 28 11:38:26 2006

Acq. Method File	**V803286C**
Level 1 File Name	C57952SI.D
Level 2 File Name	C57953SI.D
Level 3 File Name	C57954SI.D
Level 4 File Name	C57955SI.D
Level 5 File Name	C57956SI.D
Level 6 File Name	C57957SI.D
Level 7 File Name	C57951SI.D

MT 3/29/00

3-24-0

Name	Level 1 RF	Level 2 RF	Level 3 RF	Level 4 RF	Level 5 RF	Level 6 RF	Level 7 RF	AVG RF	RF Rel. STDEV
Dichlorodifluoromethane	0.749	0.632	0.630	0.724	0.753	0.739	-1.000	0.461	8.18%
Chloromethane	0.930	0.624	0.644	0.714	0.762	0.732	-1.000	0.487	14.89%
Vinyl Chloride	0.975	0.775	0.829	0.890	0.871	0.851	-1.000	0.599	7.72%
Bromomethane	0.464	0.438	0.358	0.439	0.519	-1.000	0.000	0.174	13.11%
Chloroethane	0.468	0.370	0.345	0.366	0.366	0.433	-1.000	0.192	12.25%
t-Butyl alcohol (TBA)	0.105	0.075	0.075	0.076	0.068	0.073	-1.000	-0.075	16.80%
Trichlorofluoromethane	1.500	1.346	1.346	1.477	1.477	1.573	-1.000	1.102	6.21%
Diethyl ether	0.276	0.237	0.252	0.228	0.226	0.244	-1.000	0.066	7.63%
1,1,2-Trichlorotrifluoroethane	0.579	0.559	0.607	0.597	0.613	0.626	-1.000	0.369	4.11%
Acrolein	0.035	0.031	0.019	0.033	0.026	-1.000	0.000	-0.122	22.30% NT
Acetone	0.326	0.230	0.232	0.232	0.221	0.235	-1.000	0.068	16.01%
1,1-Dichloroethene	0.526	0.450	0.460	0.443	0.428	0.434	-1.000	0.249	7.83%
Methyl iodide	0.541	0.676	0.849	0.804	0.644	0.880	-1.000	0.485	18.13% NT
Di-isopropyl ether (DIPE)	2.494	2.040	2.047	2.233	2.027	1.872	-1.000	1.673	10.23%
Methylene Chloride	0.500	0.472	0.472	0.455	0.464	-1.000	0.000	0.195	3.57%
Carbon Disulfide	1.760	1.493	1.593	1.665	1.678	1.738	-1.000	1.275	5.95%
Acrylonitrile	0.193	0.249	0.228	0.213	0.235	-1.000	0.000	0.017	9.68%
Methyl-tert-butyl ether (MTBE)	2.184	1.736	1.817	1.873	1.777	1.930	-1.000	1.474	8.55%
trans-1,2-Dichloroethene	1.333	1.149	1.148	1.155	1.161	1.200	-1.000	0.878	6.05%
1,1-Dichloroethane	1.486	0.942	1.141	1.293	1.115	1.096	-1.000	0.867	15.92%
Vinyl acetate	1.074	1.032	1.014	0.933	1.031	0.776	-1.000	0.694	11.13%
Methyl ethyl ketone	0.051	0.038	0.044	0.045	0.042	0.044	-1.000	-0.105	9.86%
Ethyl t-butyl ether (ETBE)	2.064	1.812	1.961	1.982	1.854	1.982	-1.000	1.522	4.78%
2,2-Dichloropropane	1.008	0.886	0.902	0.920	0.879	0.962	-1.000	0.651	5.37%
cis-1,2-Dichloroethene	0.550	0.493	0.516	0.526	0.529	0.532	-1.000	0.307	3.60%
t-Amyl methyl ether (TAME)	1.450	1.311	1.324	1.380	1.343	1.368	-1.000	1.025	3.68%
Dibromofluoromethane	0.812	0.751	0.658	0.734	0.756	0.755	0.604	0.724	9.65%
Chloroform	1.132	1.007	1.059	1.075	1.077	1.092	-1.000	0.777	3.81%
Bromochloromethane	0.352	0.283	0.322	0.303	0.287	0.307	-1.000	0.122	8.18%
Tetrahydrofuran	0.049	0.046	0.051	0.050	0.048	-1.000	0.000	-0.108	3.67%
1,1,1-Trichloroethane	1.063	0.920	1.016	1.063	1.034	1.112	-1.000	0.744	6.27%
1,1-Dichloropropene	0.750	0.707	0.751	0.754	0.749	0.758	-1.000	0.496	2.51%
Carbon Tetrachloride	0.760	0.777	0.884	0.949	0.936	1.021	-1.000	0.618	11.54%
d4-1,2-Dichloroethane	1.188	1.048	0.878	0.970	0.987	1.015	1.320	1.058	14.06%
1,2-Dichloroethane	1.260	1.163	1.150	1.197	1.210	1.282	-1.000	0.895	4.31%
Benzene	1.709	1.555	1.518	1.574	1.543	1.488	2.135	1.646	13.78%
Trichloroethene	0.438	0.377	0.411	0.398	0.392	0.376	-1.000	0.199	5.88%
1,2-Dichloropropane	0.397	0.353	0.360	0.385	0.361	0.351	-1.000	0.172	5.13%
Methylmethacrylate	0.256	0.207	0.234	0.255	0.211	0.248	-1.000	0.059	9.28%
Bromodichloromethane	0.525	0.466	0.532	0.567	0.542	0.562	-1.000	0.314	6.86%
Dibromomethane	0.348	0.278	0.315	0.311	0.282	0.304	-1.000	0.120	8.35%
1,4-Dioxane	0.004	0.003	0.004	0.004	0.004	0.003	-1.000	-0.140	13.43%
2-Chloroethylvinyl ether	0.063	0.079	0.084	0.096	0.082	-1.000	0.000	-0.085	14.80%
2-Hexanone	0.148	0.127	0.139	0.142	0.132	0.126	-1.000	-0.026	6.53%
Methyl isobutyl ketone	0.161	0.131	0.142	0.148	0.133	0.131	-1.000	-0.022	8.35%
cis-1,3-Dichloropropene	0.578	0.541	0.575	0.603	0.564	0.574	-1.000	0.348	3.54%
d8-Toluene	1.296	1.174	1.031	1.203	1.169	1.092	0.987	1.136	9.35%
Toluene	0.743	0.696	0.713	0.756	0.702	0.664	-1.000	0.468	4.66%
trans-1,3-Dichloropropene	0.572	0.524	0.591	0.609	0.579	0.608	-1.000	0.355	5.43%
1,1,2-Trichloroethane	0.256	0.215	0.239	0.254	0.234	0.233	-1.000	0.062	6.34%
1,3-Dichloropropane	0.503	0.457	0.491	0.503	0.485	0.472	-1.000	0.273	3.76%
Tetrachloroethene	0.470	0.443	0.468	0.492	0.472	0.443	-1.000	0.255	4.04%
Dibromochloromethane	0.439	0.384	0.446	0.488	0.472	0.500	-1.000	0.247	9.15%
1,2-Dibromoethane	0.440	0.395	0.423	0.451	0.431	0.429	-1.000	0.224	4.43%
Chlorobenzene	1.078	0.983	0.999	1.080	1.022	0.997	-1.000	0.737	4.14%
1,1,1,2-Tetrachloroethane	0.415	0.373	0.407	0.424	0.407	0.414	-1.000	0.206	4.28%
Ethylbenzene	1.697	1.529	1.597	1.639	1.551	1.504	-1.000	1.217	4.58%
m,p-Xylene	0.662	0.569	0.611	0.606	0.577	0.534	-1.000	0.366	7.41%
o-Xylene	0.617	0.557	0.582	0.582	0.577	0.553	-1.000	0.353	3.96%
Styrene	1.052	0.930	0.871	1.064	1.008	0.993	-1.000	0.703	7.51%

Bromoform	0.362	0.324	0.363	0.400	0.400	0.414	-1.000	0.180	8.91%
Isopropylbenzene	1.762	1.525	1.634	1.680	1.614	1.582	-1.000	1.257	5.03%
1,1,2,2-Tetrachloroethane	0.471	0.380	0.411	0.413	0.377	0.386	-1.000	0.205	8.68%
Bromofluorobenzene	0.675	0.586	0.482	0.547	0.536	0.520	1.009	0.622	29.13%
1,2,3-Trichloropropane	0.392	0.326	0.339	0.345	0.327	0.332	-1.000	0.152	7.30%
trans-1,4-Dichloro-2-butene	0.232	0.199	0.197	0.209	0.199	0.208	-1.000	0.035	6.38%
n-Propylbenzene	2.116	1.853	1.943	1.945	1.857	1.796	-1.000	1.502	5.87%
Bromobenzene	0.523	0.437	0.463	0.461	0.448	0.434	-1.000	0.252	7.07%
1,3,5-Trimethylbenzene	1.594	1.374	1.397	1.444	1.378	1.333	-1.000	1.074	6.50%
2-Chlorotoluene	1.420	1.276	1.337	1.374	1.279	1.269	-1.000	0.993	4.67%
4-Chlorotoluene	1.344	1.131	1.217	1.233	1.175	1.184	-1.000	0.898	5.99%
tert-butylbenzene	1.303	1.156	1.184	1.268	1.221	1.172	-1.000	0.901	4.79%
1,2,4-Trimethylbenzene	1.518	1.371	1.437	1.448	1.386	1.356	-1.000	1.074	4.28%
sec-butylbenzene	2.028	1.717	1.807	1.827	1.780	1.738	-1.000	1.414	6.16%
p-isopropyltoluene	1.614	1.397	1.460	1.493	1.447	1.444	-1.000	1.122	5.06%
1,3-Dichlorobenzene	0.893	0.712	0.768	0.800	0.758	0.755	-1.000	0.527	7.91%
1,4-Dichlorobenzene	1.657	1.517	1.643	1.645	1.580	1.548	-1.000	1.227	3.64%
n-butylbenzene	2.956	2.631	2.811	2.827	2.804	2.614	-1.000	2.235	4.68%
1,2-Dichlorobenzene	1.513	1.392	1.541	1.489	1.426	1.401	-1.000	1.109	4.28%
1,2-Dibromo-3-chloropropane	0.252	0.187	0.201	0.204	0.200	0.201	-1.000	0.035	10.93%
1,2,4-Trichlorobenzene	1.324	1.221	1.306	1.388	1.343	1.356	-1.000	0.991	4.33%
Hexachlorobutadiene	0.768	0.643	0.722	0.769	0.770	0.770	-1.000	0.492	6.92%
Naphthalene	2.491	2.240	2.265	2.456	2.327	2.268	-1.000	1.864	4.57%
1,2,3-Trichlorobenzene	1.273	1.112	1.141	1.277	1.227	1.199	-1.000	0.890	5.66%
1,3,5-Trichlorobenzene	1.508	1.326	1.425	1.495	1.486	1.459	-1.000	1.100	4.64%
								AVG	7.83%

Response Factor Report Instr_C

Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:23:39 2006
Response via : Initial Calibration

MT 3/29/06

Calibration Files
1 =C57952SI.D 2 =C57953SI.D 5 =C57954SI.D
20 =C57955SI.D 50 =C57956SI.D 100 =C57957SI.D

		Compound	1	2	5	20	50	100	Avg	%RSD	
1)	I	Pentafluorobenzene	----------ISTD----------								
2)	TM	Dichlorodifluoromet	0.749	0.632	0.630	0.724	0.753	0.739	0.705	8.18	
3)	TMP	Chloromethane	0.930	0.624	0.644	0.714	0.762	0.732	0.734	14.89	✓
4)	TMC	Vinyl Chloride	0.975	0.775	0.829	0.890	0.871	0.851	0.865	7.72	✓
5)	TM	Bromomethane	0.464	0.438	0.358	0.439	0.519		0.444	13.11	
6)	TM	Chloroethane	0.468	0.370	0.345	0.366	0.366	0.433	0.391	12.25	
7)	TM	t-Butyl alcohol (TB	0.105	0.075	0.075	0.076	0.068	0.073	0.079#	16.80	
8)	TM	Trichlorofluorometh	1.500	1.346	1.346	1.477	1.477	1.573	1.453	6.21	
9)	TM	Diethyl ether	0.276	0.237	0.252	0.228	0.226	0.244	0.244	7.63	
10)	T	1,1,2-Trichlorotrif	0.579	0.559	0.607	0.597	0.613	0.626	0.597	4.11	
11)	T	Acrolein		0.035	0.031	0.019	0.033	0.026	0.029#	22.30	NT
12)	TM	Acetone	0.326	0.230	0.232	0.232	0.221	0.235	0.246	16.01	
13)	TMC	1,1-Dichloroethene	0.526	0.450	0.460	0.443	0.428	0.434	0.457	7.83	✓
14)	T	Methyl iodide	0.541	0.676	0.849	0.804	0.644	0.880	0.732	18.13	NT
15)	TM	Di-isopropyl ether	2.494	2.040	2.047	2.233	2.027	1.872	2.119	10.23	
16)	TM	Methylene Chloride		0.500	0.472	0.472	0.455	0.464	0.472	3.57	
17)	TM	Carbon Disulfide	1.760	1.493	1.593	1.665	1.678	1.738	1.655	5.95	
18)	T	Acrylonitrile		0.193	0.249	0.228	0.213	0.235	0.224	9.68	
19)	TM	Methyl-tert-butyl e	2.184	1.736	1.817	1.873	1.777	1.930	1.886	8.55	
20)	TM	trans-1,2-Dichloroe	1.333	1.149	1.148	1.155	1.161	1.200	1.191	6.05	
21)	TMP	1,1-Dichloroethane	1.486	0.942	1.141	1.293	1.115	1.096	1.179	15.92	✓
22)	T	Vinyl acetate	1.074	1.032	1.014	0.933	1.031	0.776	0.977	11.13	
23)	TM	Methyl ethyl ketone	0.051	0.038	0.044	0.045	0.042	0.044	0.044#	9.86	
24)	TM	Ethyl t-butyl ether	2.064	1.812	1.961	1.982	1.854	1.982	1.943	4.78	
25)	TM	2,2-Dichloropropane	1.008	0.886	0.902	0.920	0.879	0.962	0.926	5.37	
26)	TM	cis-1,2-Dichloroeth	0.550	0.493	0.516	0.526	0.529	0.532	0.524	3.60	
27)	TM	t-Amyl methyl ether	1.450	1.311	1.324	1.380	1.343	1.368	1.363	3.68	
28)	S	Dibromofluoromethan	0.812	0.751	0.658	0.734	0.756	0.755	0.724	9.65	
29)	TMC	Chloroform	1.132	1.007	1.059	1.075	1.077	1.092	1.074	3.81	✓
30)	TM	Bromochloromethane	0.352	0.283	0.322	0.303	0.287	0.307	0.309	8.18	
31)	TM	Tetrahydrofuran		0.049	0.046	0.051	0.050	0.048	0.049#	3.67	
32)	TM	1,1,1-Trichloroetha	1.063	0.920	1.016	1.063	1.034	1.112	1.035	6.27	
33)	T	NO COMPOUND							0.000#	-1.00	
34)	TM	1,1-Dichloropropene	0.750	0.707	0.751	0.754	0.749	0.758	0.745	2.51	
35)	TM	Carbon Tetrachlorid	0.760	0.777	0.884	0.949	0.936	1.021	0.888	11.54	
36)	S	d4-1,2-Dichloroetha	1.188	1.048	0.878	0.970	0.987	1.015	1.058	14.06	
37)	TM	1,2-Dichloroethane	1.260	1.163	1.150	1.197	1.210	1.282	1.211	4.31	
38)	TM	Benzene	1.709	1.555	1.518	1.574	1.543	1.488	1.646	13.78	
39)	I	1,4-Difluorobenzene	----------ISTD----------								
40)	TM	Trichloroethene	0.438	0.377	0.411	0.398	0.392	0.376	0.399	5.88	
41)	TMC	1,2-Dichloropropane	0.397	0.353	0.360	0.385	0.361	0.351	0.368	5.13	✓
42)	T	Methylmethacrylate	0.256	0.207	0.234	0.255	0.211	0.248	0.235	9.28	

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report Instr_C

Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:23:39 2006
Response via : Initial Calibration

Calibration Files
1 =C57952SI.D 2 =C57953SI.D 5 =C57954SI.D
20 =C57955SI.D 50 =C57956SI.D 100 =C57957SI.D

		Compound	1	2	5	20	50	100	Avg	%RSD
43)	T	NO COMPOUND							0.000#	-1.00
44)	T	NO COMPOUND							0.000#	-1.00
45)	TM	Bromodichloromethan	0.525	0.466	0.532	0.567	0.542	0.562	0.532	6.86
46)	TM	Dibromomethane	0.348	0.278	0.315	0.311	0.282	0.304	0.306	8.35
47)	T	1,4-Dioxane	0.004	0.003	0.004	0.004	0.004	0.003	0.004#	13.43
48)	T	NO COMPOUND							0.000#	-1.00
49)	T	NO COMPOUND							0.000#	-1.00
50)	T	2-Chloroethylvinyl	0.063	0.079	0.084	0.096	0.082		0.081#	14.80
51)	TM	2-Hexanone	0.148	0.127	0.139	0.142	0.132	0.126	0.136	6.53
52)	TM	Methyl isobutyl ket	0.161	0.131	0.142	0.148	0.133	0.131	0.141	8.35
53)	TM	cis-1,3-Dichloropro	0.578	0.541	0.575	0.603	0.564	0.574	0.572	3.54
54)	S	d8-Toluene	1.296	1.174	1.031	1.203	1.169	1.092	1.136	9.35
55)	TMC	Toluene	0.743	0.696	0.713	0.756	0.702	0.664	0.712	4.66✓
56)	TM	trans-1,3-Dichlorop	0.572	0.524	0.591	0.609	0.579	0.608	0.580	5.43
57)	T	NO COMPOUND							0.000#	-1.00
58)	TM	1,1,2-Trichloroetha	0.256	0.215	0.239	0.254	0.234	0.233	0.239	6.34
59)	TM	1,3-Dichloropropane	0.503	0.457	0.491	0.503	0.485	0.472	0.485	3.76
[illegible])	TM	Tetrachloroethene	0.470	0.443	0.468	0.492	0.472	0.443	0.464	4.04
[illegible]1)	TM	Dibromochloromethan	0.439	0.384	0.446	0.488	0.472	0.500	0.455	9.15
62)	TM	1,2-Dibromoethane	0.440	0.395	0.423	0.451	0.431	0.429	0.428	4.43
63)	I	*d5-Chlorobenzene	----------ISTD----------							
64)	TMP	Chlorobenzene	1.078	0.983	0.999	1.080	1.022	0.997	1.026✓	4.14
65)	TM	1,1,1,2-Tetrachloro	0.415	0.373	0.407	0.424	0.407	0.414	0.406	4.28
66)	TMC	Ethylbenzene	1.697	1.529	1.597	1.639	1.551	1.504	1.586	4.58✓
67)	TM	m,p-Xylene	0.662	0.569	0.611	0.606	0.577	0.534	0.593	7.41
68)	TM	o-Xylene	0.617	0.557	0.582	0.582	0.577	0.553	0.578	3.96
69)	TM	Styrene	1.052	0.930	0.871	1.064	1.008	0.993	0.986	7.51
70)	TMP	Bromoform	0.362	0.324	0.363	0.400	0.400	0.414	0.377✓	8.91
71)	TM	Isopropylbenzene	1.762	1.525	1.634	1.680	1.614	1.582	1.633	5.03
72)	TMP	1,1,2,2-Tetrachloro	0.471	0.380	0.411	0.413	0.377	0.386	0.406✓	8.68
73)	S	Bromofluorobenzene	0.675	0.586	0.482	0.547	0.536	0.520	0.622	29.13
74)	TM	1,2,3-Trichloroprop	0.392	0.326	0.339	0.345	0.327	0.332	0.344	7.30
75)	TM	trans-1,4-Dichloro-	0.232	0.199	0.197	0.209	0.199	0.208	0.207	6.38
76)	TM	n-Propylbenzene	2.116	1.853	1.943	1.945	1.857	1.796	1.918	5.87
77)	TM	Bromobenzene	0.523	0.437	0.463	0.461	0.448	0.434	0.461	7.07
78)	TM	1,3,5-Trimethylbenz	1.594	1.374	1.397	1.444	1.378	1.333	1.420	6.50
79)	TM	2-Chlorotoluene	1.420	1.276	1.337	1.374	1.279	1.269	1.326	4.67
80)	TM	4-Chlorotoluene	1.344	1.131	1.217	1.233	1.175	1.184	1.214	5.99
81)	TM	tert-butylbenzene	1.303	1.156	1.184	1.268	1.221	1.172	1.217	4.79
82)	TM	1,2,4-Trimethylbenz	1.518	1.371	1.437	1.448	1.386	1.356	1.419	4.28
83)	T	Pentachloroethane	0.321	0.281	0.290	0.316	0.299	0.305	0.302	5.02
[illegible]4)	TM	sec-butylbenzene	2.028	1.717	1.807	1.827	1.780	1.738	1.816	6.16
[illegible]5)	TM	p-isopropyltoluene	1.614	1.397	1.460	1.493	1.447	1.444	1.476	5.06

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report Instr_C

Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:23:39 2006
Response via : Initial Calibration

Calibration Files
1 =C57952SI.D 2 =C57953SI.D 5 =C57954SI.D
20 =C57955SI.D 50 =C57956SI.D 100 =C57957SI.D

		Compound	1	2	5	20	50	100	Avg	%RSD
86)	TM	1,3-Dichlorobenzene	0.893	0.712	0.768	0.800	0.758	0.755	0.781	7.91
87)	I	1,4-Dichlorobenzene-d	----------	----------	----------	ISTD	----------	----------		
88)	TM	1,4-Dichlorobenzene	1.657	1.517	1.643	1.645	1.580	1.548	1.598	3.64
89)	TM	n-butylbenzene	2.956	2.631	2.811	2.827	2.804	2.614	2.774	4.68
90)	TM	1,2-Dichlorobenzene	1.513	1.392	1.541	1.489	1.426	1.401	1.460	4.28
91)	T	NO COMPOUND							0.000#	-1.00
92)	TM	1,2-Dibromo-3-chlor	0.252	0.187	0.201	0.204	0.200	0.201	0.208	10.93
93)	T	NO COMPOUND							0.000#	-1.00
94)	TM	1,2,4-Trichlorobenz	1.324	1.221	1.306	1.388	1.343	1.356	1.323	4.33
95)	TM	Hexachlorobutadiene	0.768	0.643	0.722	0.769	0.770	0.770	0.740	6.92
96)	TM	Naphthalene	2.491	2.240	2.265	2.456	2.327	2.268	2.341	4.57
97)	TM	1,2,3-Trichlorobenz	1.273	1.112	1.141	1.277	1.227	1.199	1.205	5.66
98)	T	1,3,5-Trichlorobenz	1.508	1.326	1.425	1.495	1.486	1.459	1.450	4.64

(#) = Out of Range ### Number of calibration levels exceeded format ###

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\032806C\C57951SI.D
Acq On : 28 Mar 2006 12:11 pm
Sample : 0.2 PPB
Misc : 5000
Integration Params: rteint.p
Quant Time: Mar 28 15:28 2006

Vial: 5
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V803286C.RES

Quant Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:02:01 2006
Response via : Initial Calibration
DataAcq Meth : V803286C

MT 3/29/06

3.29.06

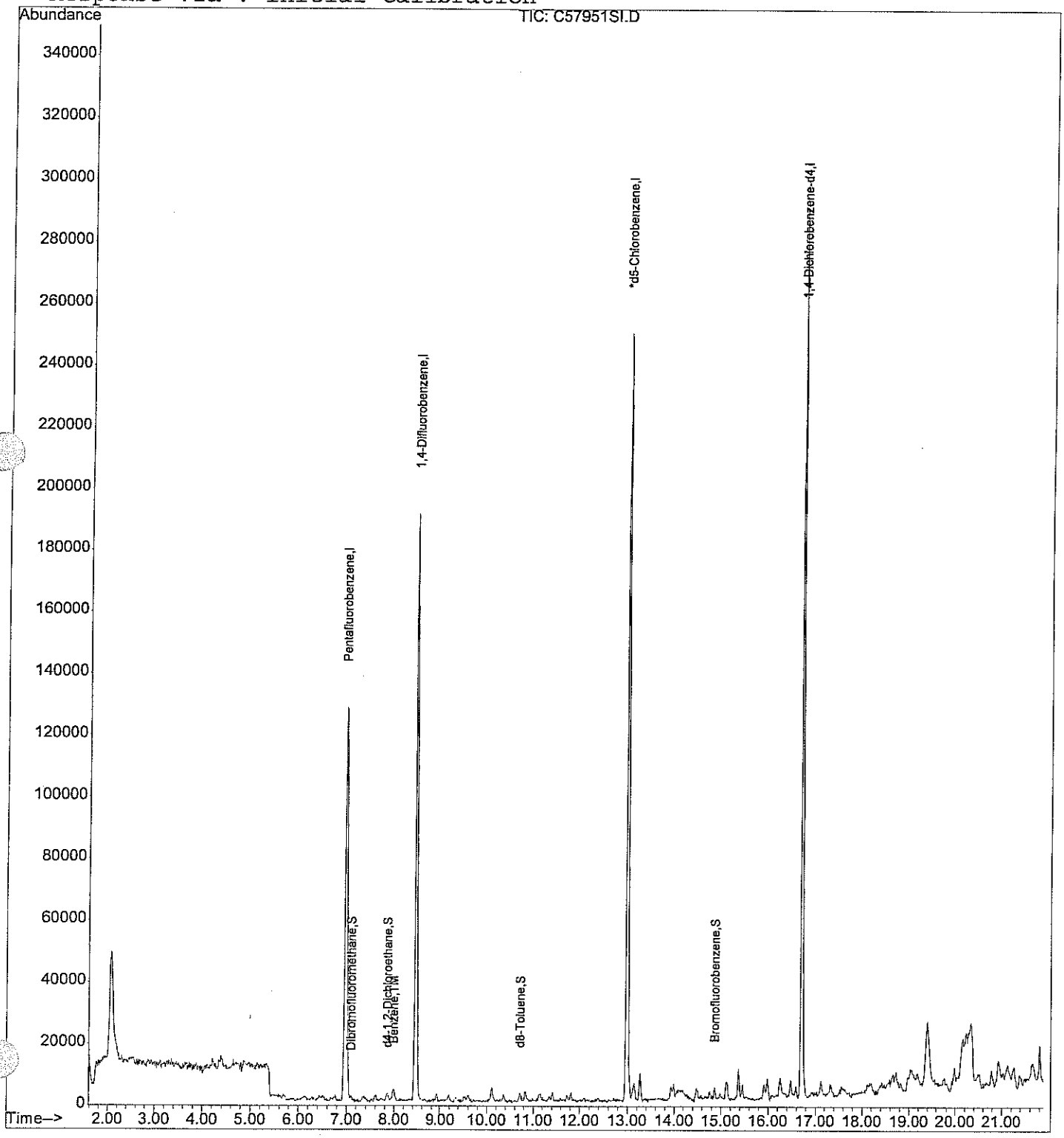
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.98	168	149677	20.00	ug/L	0.00
39) 1,4-Difluorobenzene	8.46	114	225406	20.00	ug/L	0.00
63) *d5-Chlorobenzene	12.99	117	202953	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.71	152	99128	20.00	ug/L	0.00
System Monitoring Compounds						
28) Dibromofluoromethane	7.08	111	904	0.01	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 0.05%#			
36) d4-1,2-Dichloroethane	7.84	65	1976	0.02	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 0.10%#			
54) d8-Toluene	10.72	98	2225	0.01	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 0.05%#			
73) Bromofluorobenzene	14.85	95	2048	0.02	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 0.10%#			
Target Compounds						Qvalue
38) Benzene	7.99	78	3196	0.30	ug/L	92

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\032806C\C57951SI.D Vial: 5
Acq On : 28 Mar 2006 12:11 pm Operator:
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 28 15:28 2006 Quant Results File: V803286C.RES

Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:28:20 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\032806C\C57952SI.D Vial: 6
Acq On : 28 Mar 2006 12:44 pm Operator:
Sample : 1 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Mar 28 15:03 2006 Quant Results File: V803286C.RES

Quant Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:02:01 2006
Response via : Initial Calibration
DataAcq Meth : V803286C

MT 3/29/06 3-29-06

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.99	168	151351	20.00 ug/L	0.01
39) 1,4-Difluorobenzene	8.47	114	225249 ✓	20.00 ug/L	0.00
63) *d5-Chlorobenzene	12.98	117	204824 ✓	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.71	152	103293	20.00 ug/L	0.00
System Monitoring Compounds					
28) Dibromofluoromethane	7.09	111	6143	0.07 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 0.35%#		
36) d4-1,2-Dichloroethane	7.85	65	8992	0.08 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 0.40%#		
54) d8-Toluene	10.72	98	14597	0.08 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 0.40%#		
73) Bromofluorobenzene	14.87	95	6913	0.08 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 0.40%#		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.69	85	5667	1.06 ug/L	84
3) Chloromethane	1.96	50	7038	1.33 ug/L	97
4) Vinyl Chloride	2.03	62	7379m	1.19 ug/L	
5) Bromomethane	2.47	94	3511	0.99 ug/L	83
6) Chloroethane	2.57	64	3540	1.24 ug/L #	61
7) t-Butyl alcohol (TBA)	3.84	59	3970	7.08 ug/L #	78
8) Trichlorofluoromethane	2.88	101	11348	1.01 ug/L	79
9) Diethyl ether	3.27	74	2090	1.17 ug/L	98
10) 1,1,2-Trichlorotrifluoroet	3.43	101	4382	0.93 ug/L	96
11) Acrolein	3.40	56	2816	4.20 ug/L #	69
12) Acetone	3.52	43	12324	7.12 ug/L	93
13) 1,1-Dichloroethene	3.66	96	3982	1.08 ug/L #	88
14) Methyl iodide	4.09	142	4096	0.65 ug/L	94
15) Di-isopropyl ether (DIPE)	5.47	45	18876	1.27 ug/L	94
16) Methylene Chloride	4.41	84	5773	1.51 ug/L #	87
17) Carbon Disulfide	4.37	76	13319	1.02 ug/L	100
18) Acrylonitrile	4.65	53	1505	0.91 ug/L #	40
19) Methyl-tert-butyl ether (M	4.72	73	16528	1.14 ug/L #	85
20) trans-1,2-Dichloroethene	4.89	61	10084	1.13 ug/L	88
21) 1,1-Dichloroethane	5.58	63	11248	1.33 ug/L	94
22) Vinyl acetate	5.63	43	8129	0.99 ug/L #	90
23) Methyl ethyl ketone	6.30	72	1946	6.03 ug/L #	74
24) Ethyl t-butyl ether (ETBE)	6.13	59	15623	1.06 ug/L	97
25) 2,2-Dichloropropane	6.45	77	7626	1.06 ug/L	98
26) cis-1,2-Dichloroethene	6.54	96	4160	1.07 ug/L #	76
27) t-Amyl methyl ether (TAME)	7.87	73	10974	1.05 ug/L #	82

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\032806C\C57952SI.D Vial: 6
Acq On : 28 Mar 2006 12:44 pm Operator:
Sample : 1 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Mar 28 15:03 2006 Quant Results File: V803286C.RES

Quant Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:02:01 2006
Response via : Initial Calibration
DataAcq Meth : V803286C

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29) Chloroform	6.77	83	8564	1.03 ug/L	95
30) Bromochloromethane	7.00	128	2663	1.16 ug/L #	68
31) Tetrahydrofuran	7.11	71	126	0.33 ug/L #	1
32) 1,1,1-Trichloroethane	7.37	97	8045	1.02 ug/L	97
34) 1,1-Dichloropropene	7.61	75	5677	0.95 ug/L	86
35) Carbon Tetrachloride	7.75	119	5751	1.03 ug/L	84
37) 1,2-Dichloroethane	7.99	62	9535	1.05 ug/L	99
38) Benzene	7.98	78	12932	1.20 ug/L	99
40) Trichloroethene	8.93	95	4937	1.14 ug/L	94
41) 1,2-Dichloropropane	9.19	63	4475	1.09 ug/L	86
42) Methylmethacrylate	9.36	69	2884	1.06 ug/L #	77
45) Bromodichloromethane	9.53	83	5916	0.99 ug/L	90
46) Dibromomethane	9.60	93	3919	1.17 ug/L	93
47) 1,4-Dioxane	9.63	88	1242	32.99 ug/L #	68
50) 2-Chloroethylvinyl ether	10.06	63	706	0.54 ug/L #	53
51) 2-Hexanone	11.42	58	8350	5.89 ug/L	98
52) Methyl isobutyl ketone	10.11	58	9047	5.94 ug/L	97
53) cis-1,3-Dichloropropene	10.37	75	6510	1.01 ug/L	99
55) Toluene	10.83	92	8365	1.10 ug/L	95
56) trans-1,3-Dichloropropene	11.13	75	6440	0.99 ug/L	94
58) 1,1,2-Trichloroethane	11.36	83	2887	1.08 ug/L	92
59) 1,3-Dichloropropane	11.73	76	5670	1.05 ug/L	92
60) Tetrachloroethene	11.82	166	5292	1.07 ug/L	87
61) Dibromochloromethane	12.10	129	4948	1.01 ug/L	91
62) 1,2-Dibromoethane	12.40	107	4961	1.12 ug/L	94
64) Chlorobenzene	13.05	112	11039	1.07 ug/L	93
65) 1,1,1,2-Tetrachloroethane	13.13	131	4245	1.01 ug/L	91
66) Ethylbenzene	13.14	91	17377	1.08 ug/L	96
67) m,p-Xylene	13.27	106	13566	2.31 ug/L	97
68) o-Xylene	13.93	106	6323	1.09 ug/L	95
69) Styrene	13.98	104	10777	1.04 ug/L	97
70) Bromoform	14.46	173	3707	0.98 ug/L	93
71) Isopropylbenzene	14.49	105	18048	1.12 ug/L	94
72) 1,1,2,2-Tetrachloroethane	14.76	83	4824	1.23 ug/L #	86
74) 1,2,3-Trichloropropane	14.99	75	4019	1.18 ug/L	97
75) trans-1,4-Dichloro-2-buten	15.10	53	2376	1.08 ug/L	88
76) n-Propylbenzene	15.11	91	21672	1.13 ug/L	96
77) Bromobenzene	15.14	156	5358	1.18 ug/L	96
78) 1,3,5-Trimethylbenzene	15.37	105	16322	1.18 ug/L	94
79) 2-Chlorotoluene	15.37	91	14538	1.10 ug/L	94
80) 4-Chlorotoluene	15.45	91	13762	1.11 ug/L	82

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\032806C\C57952SI.D Vial: 6
Acq On : 28 Mar 2006 12:44 pm Operator:
Sample : 1 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
IS Integration Params: rteint.p
Quant Time: Mar 28 15:03 2006 Quant Results File: V803286C.RES

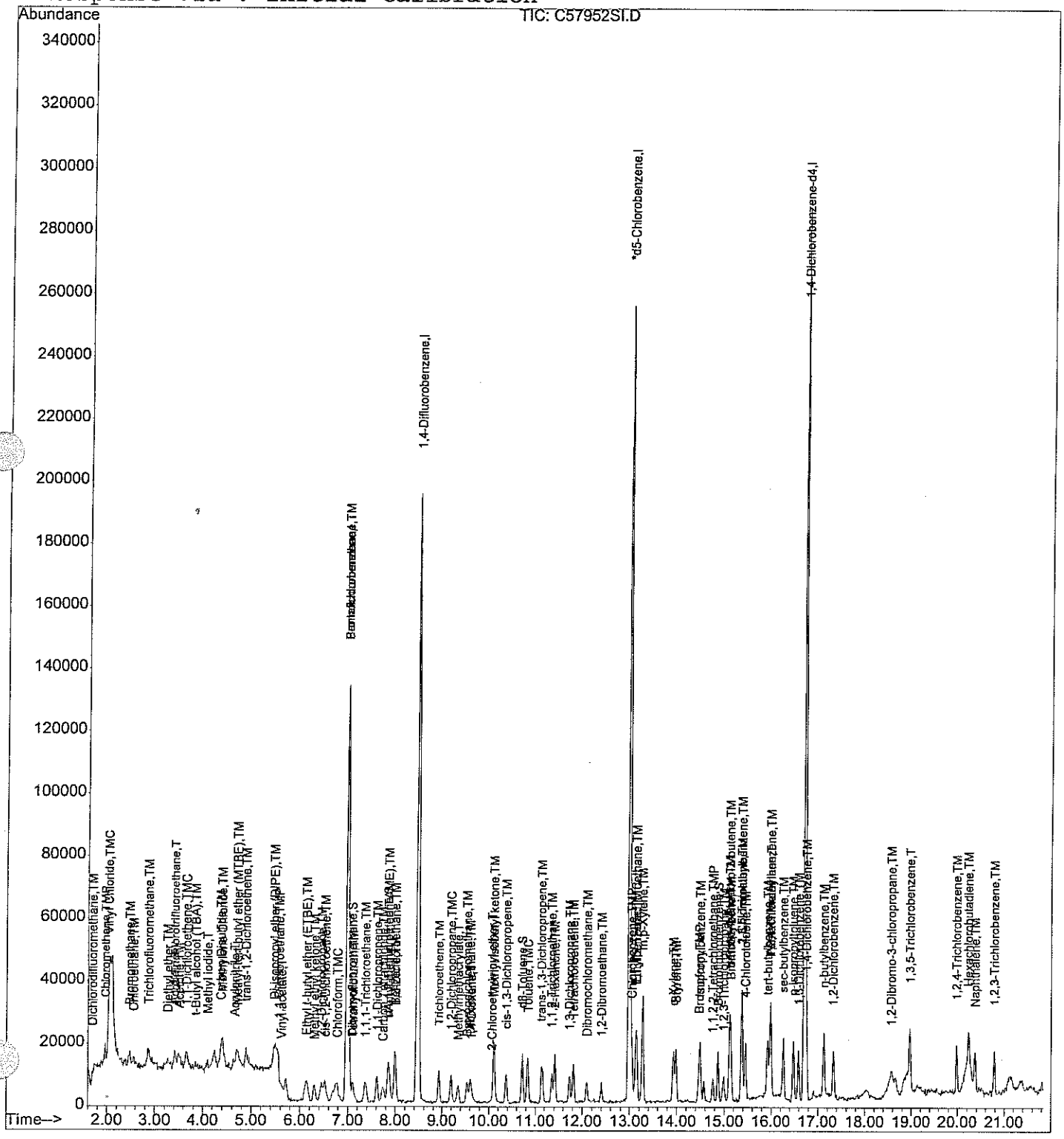
Quant Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:02:01 2006
Response via : Initial Calibration
DataAcq Meth : V803286C

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
81)	tert-butylbenzene	15.92	119	13348	1.08 ug/L	93
82)	1,2,4-Trimethylbenzene	15.98	105	15548	1.10 ug/L	96
83)	Pentachloroethane	15.99	167	3285	1.04 ug/L	97
84)	sec-butylbenzene	16.26	105	20773	1.18 ug/L	98
85)	p-isopropyltoluene	16.47	119	16532	1.12 ug/L	98
86)	1,3-Dichlorobenzene	16.59	146	9146	1.20 ug/L	88
88)	1,4-Dichlorobenzene	16.76	146	8557	1.05 ug/L	99
89)	n-butylbenzene	17.13	91	15267	1.07 ug/L	98
90)	1,2-Dichlorobenzene	17.33	146	7812	1.05 ug/L	87
92)	1,2-Dibromo-3-chloropropan	18.58	75	1304	1.16 ug/L #	37
94)	1,2,4-Trichlorobenzene	19.99	180	6836	1.02 ug/L	92
95)	Hexachlorobutadiene	20.23	225	3964	1.06 ug/L	95
96)	Naphthalene	20.37	128	12866	1.08 ug/L	100
97)	1,2,3-Trichlorobenzene	20.78	180	6575	1.12 ug/L	87
98)	1,3,5-Trichlorobenzene	18.97	180	7786	1.09 ug/L	96

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\032806C\C57952SI.D Vial: 6
Acq On : 28 Mar 2006 12:44 pm Operator:
Sample : 1 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 28 15:03 2006 Quant Results File: V803286C.RES

Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:28:20 2006
Response via : Initial Calibration

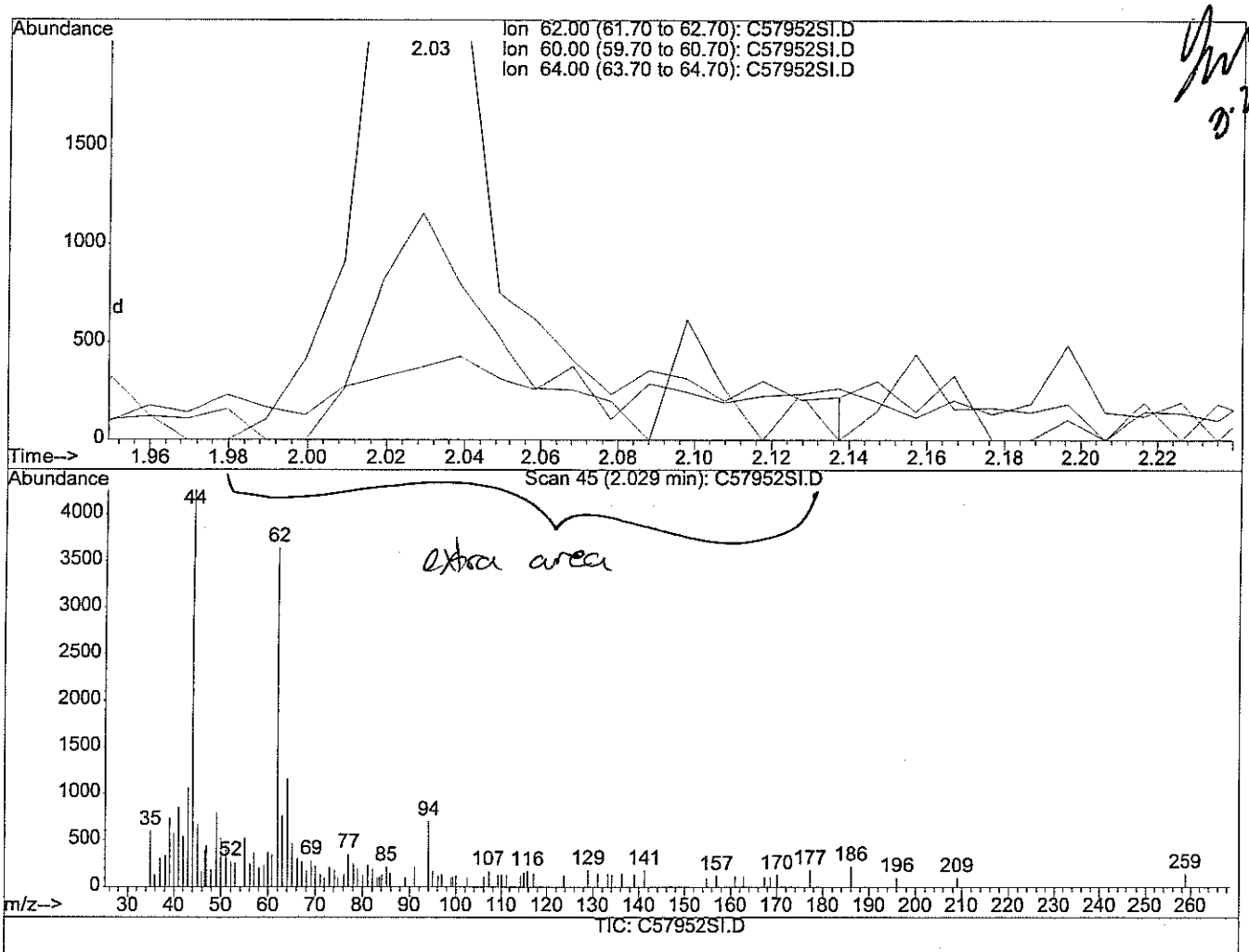


Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\032806C\C57952SI.D Vial: 6
Acq On : 28 Mar 2006 12:44 pm Operator:
Sample : 1 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 28 15:02 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:02:01 2006
Response via : Multiple Level Calibration

MT 3/29/06



(4) Vinyl Chloride (TMC)

2.03min 1.34ug/L

response 8326

Ion	Exp%	Act%
62.00	100	100
60.00	6.50	3.90
64.00	33.80	31.82
0.00	0.00	0.00

Quantitation Report (Qedit)

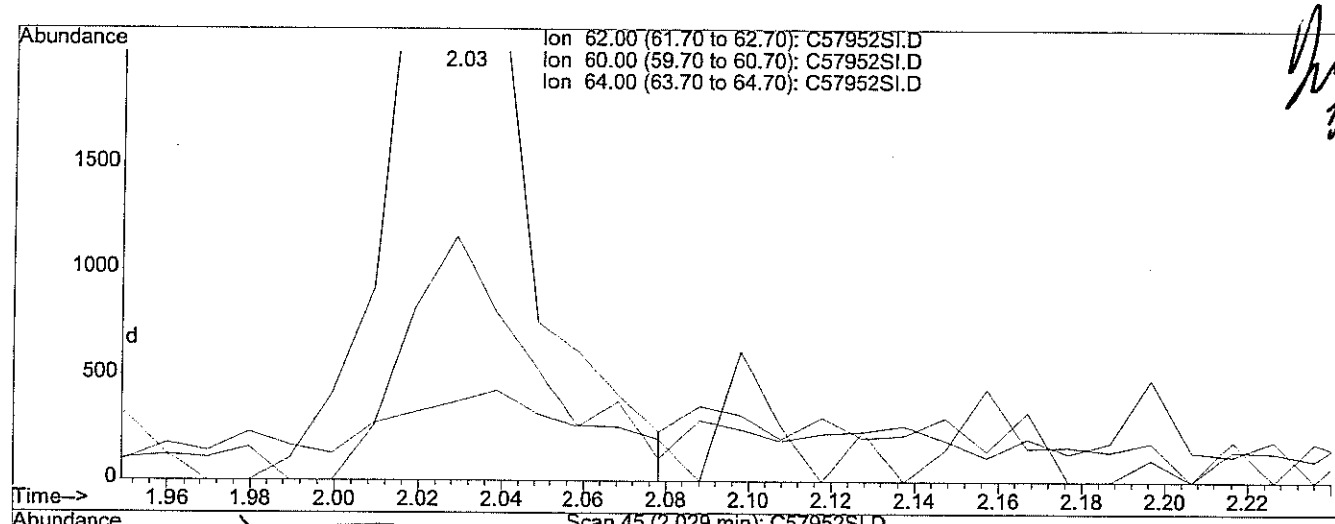
Data File : D:\HPCHEM\1\DATA\032806C\C57952SI.D
Acq On : 28 Mar 2006 12:44 pm
Sample : 1 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Mar 28 15:03 2006

Vial: 6
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:02:01 2006
Response via : Multiple Level Calibration

MT 3/29/06



3.24.06

(4) Vinyl Chloride (TMC)

2.03min 1.19ug/L m

response 7379

Ion	Exp%	Act%
62.00	100	100
60.00	6.50	10.27
64.00	33.80	31.82
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\032806C\C57953SI.D Vial: 7
Acq On : 28 Mar 2006 1:17 pm Operator:
Sample : 2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Mar 28 15:02 2006 Quant Results File: V803286C.RES

Quant Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:02:01 2006
Response via : Initial Calibration
DataAcq Meth : V803286C

MT 3/29/06 3-29-06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.98	168	155193	20.00	ug/L	0.00
39) 1,4-Difluorobenzene	8.46	114	232219 ✓	20.00	ug/L	0.00
63) *d5-Chlorobenzene	12.99	117	212466	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.72	152	106097	20.00	ug/L	0.00
System Monitoring Compounds						
28) Dibromofluoromethane	7.09	111	11656	0.14	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 0.70%#			
36) d4-1,2-Dichloroethane	7.85	65	16257	0.14	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 0.70%#			
54) d8-Toluene	10.71	98	27274	0.14	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 0.70%#			
73) Bromofluorobenzene	14.86	95	12451	0.14	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 0.70%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.68	85	9815	1.79	ug/L	99
3) Chloromethane	1.92	50	9684	1.79	ug/L	90
4) Vinyl Chloride	2.01	62	12035	1.89	ug/L	97
5) Bromomethane	2.46	94	6803	1.87	ug/L	90
6) Chloroethane	2.55	64	5736	1.95	ug/L	89
7) t-Butyl alcohol (TBA)	3.85	59	5816	10.12	ug/L #	70
8) Trichlorofluoromethane	2.85	101	20883	1.81	ug/L	95
9) Diethyl ether	3.26	74	3683	2.01	ug/L	90
10) 1,1,2-Trichlorotrifluoroet	3.41	101	8671	1.79	ug/L #	46
11) Acrolein	3.38	56	2716	3.95	ug/L #	76
12) Acetone	3.50	43	17839	10.04	ug/L	98
13) 1,1-Dichloroethene	3.65	96	6989	1.85	ug/L #	75
14) Methyl iodide	4.07	142	10485	1.63	ug/L	92
15) Di-isopropyl ether (DIPE)	5.49	45	31662	2.07	ug/L	98
16) Methylene Chloride	4.39	84	7757	1.98	ug/L	95
17) Carbon Disulfide	4.36	76	23178	1.74	ug/L	100
18) Acrylonitrile	4.62	53	2998	1.77	ug/L #	85
19) Methyl-tert-butyl ether (M	4.72	73	26940	1.82	ug/L #	89
20) trans-1,2-Dichloroethene	4.87	61	17836	1.95	ug/L	95
21) 1,1-Dichloroethane	5.56	63	14616	1.69	ug/L	92
22) Vinyl acetate	5.61	43	16021	1.91	ug/L	100
23) Methyl ethyl ketone	6.29	72	2962	8.95	ug/L #	83
24) Ethyl t-butyl ether (ETBE)	6.13	59	28126	1.85	ug/L	99
25) 2,2-Dichloropropane	6.45	77	13752	1.87	ug/L	96
26) cis-1,2-Dichloroethene	6.52	96	7651	1.92	ug/L	96
27) t-Amyl methyl ether (TAME)	7.86	73	20339	1.90	ug/L	93

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\032806C\C57953SI.D Vial: 7
Acq On : 28 Mar 2006 1:17 pm Operator:
Sample : 2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Mar 28 15:02 2006 Quant Results File: V803286C.RES

Quant Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:02:01 2006
Response via : Initial Calibration
DataAcq Meth : V803286C

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29) Chloroform	6.77	83	15630	1.83 ug/L	89
30) Bromochloromethane	7.00	128	4397	1.87 ug/L #	83
31) Tetrahydrofuran	7.10	71	756	1.94 ug/L #	42
32) 1,1,1-Trichloroethane	7.36	97	14276	1.77 ug/L	89
34) 1,1-Dichloropropene	7.61	75	10975	1.79 ug/L	87
35) Carbon Tetrachloride	7.73	119	12060	2.10 ug/L	97
37) 1,2-Dichloroethane	7.99	62	18056	1.94 ug/L	100
38) Benzene	7.99	78	24137	2.19 ug/L	92
40) Trichloroethene	8.93	95	8755	1.97 ug/L #	85
41) 1,2-Dichloropropane	9.19	63	8188	1.94 ug/L	93
42) Methylmethacrylate	9.35	69	4803	1.71 ug/L	92
45) Bromodichloromethane	9.54	83	10821	1.75 ug/L	91
46) Dibromomethane	9.59	93	6445	1.87 ug/L	91
47) 1,4-Dioxane	9.61	88	1695	43.67 ug/L #	74
50) 2-Chloroethylvinyl ether	10.05	63	1832	1.36 ug/L	93
51) 2-Hexanone	11.41	58	14764	10.10 ug/L	99
52) Methyl isobutyl ketone	10.11	58	15213	9.68 ug/L	96
53) cis-1,3-Dichloropropene	10.38	75	12557	1.90 ug/L	97
55) Toluene	10.84	92	16153	2.06 ug/L	95
56) trans-1,3-Dichloropropene	11.14	75	12164	1.82 ug/L	98
58) 1,1,2-Trichloroethane	11.35	83	4996	1.81 ug/L	87
59) 1,3-Dichloropropane	11.74	76	10610	1.90 ug/L	98
60) Tetrachloroethene	11.81	166	10277	2.02 ug/L	89
61) Dibromochloromethane	12.10	129	8926	1.77 ug/L	88
62) 1,2-Dibromoethane	12.40	107	9171	2.01 ug/L	95
64) Chlorobenzene	13.05	112	20886	1.94 ug/L	88
65) 1,1,1,2-Tetrachloroethane	13.13	131	7932	1.82 ug/L	88
66) Ethylbenzene	13.15	91	32487	1.95 ug/L	97
67) m,p-Xylene	13.27	106	24170	3.96 ug/L	95
68) o-Xylene	13.94	106	11842	1.97 ug/L	96
69) Styrene	13.99	104	19757	1.84 ug/L	100
70) Bromoform	14.47	173	6880	1.75 ug/L	100
71) Isopropylbenzene	14.50	105	32393	1.93 ug/L	94
72) 1,1,2,2-Tetrachloroethane	14.76	83	8071	1.99 ug/L	92
74) 1,2,3-Trichloropropane	14.99	75	6916	1.96 ug/L	97
75) trans-1,4-Dichloro-2-buten	15.11	53	4222	1.85 ug/L	91
76) n-Propylbenzene	15.12	91	39371	1.98 ug/L	94
77) Bromobenzene	15.15	156	9293	1.97 ug/L	91
78) 1,3,5-Trimethylbenzene	15.38	105	29203	2.04 ug/L	97
79) 2-Chlorotoluene	15.37	91	27108	1.97 ug/L	94
80) 4-Chlorotoluene	15.45	91	24035	1.87 ug/L	92

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\032806C\C57953SI.D Vial: 7
Acq On : 28 Mar 2006 1:17 pm Operator:
Sample : 2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Mar 28 15:02 2006 Quant Results File: V803286C.RES

Quant Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:02:01 2006
Response via : Initial Calibration
DataAcq Meth : V803286C

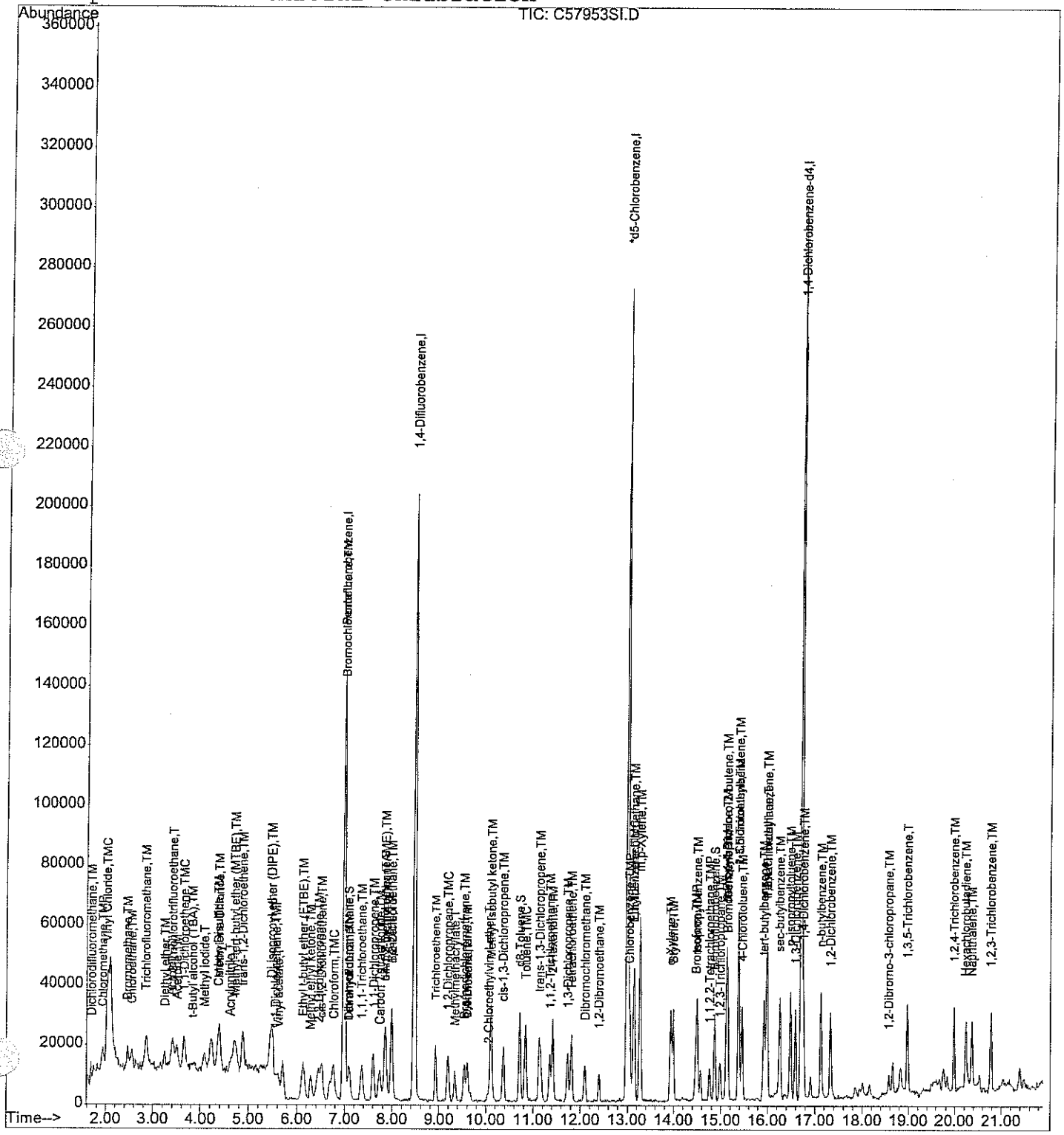
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
81)	tert-butylbenzene	15.92	119	24557	1.91 ug/L	100
82)	1,2,4-Trimethylbenzene	15.98	105	29126	1.99 ug/L	100
83)	Pentachloroethane	15.99	167	5968	1.83 ug/L	91
84)	sec-butylbenzene	16.25	105	36471	1.99 ug/L	100
85)	p-isopropyltoluene	16.48	119	29681	1.95 ug/L	98
86)	1,3-Dichlorobenzene	16.59	146	15123	1.91 ug/L	93
88)	1,4-Dichlorobenzene	16.77	146	16100	1.92 ug/L	95
89)	n-butylbenzene	17.13	91	27913	1.91 ug/L	99
90)	1,2-Dichlorobenzene	17.33	146	14768	1.94 ug/L	96
92)	1,2-Dibromo-3-chloropropan	18.57	75	1988	1.72 ug/L	85
94)	1,2,4-Trichlorobenzene	19.98	180	12958	1.88 ug/L	98
95)	Hexachlorobutadiene	20.24	225	6825	1.78 ug/L	100
96)	Naphthalene	20.36	128	23770	1.95 ug/L	100
97)	1,2,3-Trichlorobenzene	20.78	180	11795	1.96 ug/L	89
98)	1,3,5-Trichlorobenzene	18.97	180	14070	1.91 ug/L	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\032806C\C57953SI.D Vial: 7
Acq On : 28 Mar 2006 1:17 pm Operator:
Sample : 2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 28 15:02 2006 Quant Results File: V803286C.RES

Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:28:20 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\032806C\C57954SI.D Vial: 8
Acq On : 28 Mar 2006 1:21 pm Operator:
Sample : 5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Mar 28 15:03 2006 Quant Results File: V803286C.RES

Quant Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:02:01 2006
Response via : Initial Calibration
DataAcq Meth : V803286C

MT 3/29/06

3-29-06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.00	168	167821	20.00	ug/L	0.02
39) 1,4-Difluorobenzene	8.47	114	244411	20.00	ug/L	0.01
63) *d5-Chlorobenzene	12.99	117	228181	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.72	152	109061	20.00	ug/L	0.00
System Monitoring Compounds						
28) Dibromofluoromethane	7.10	111	27601	0.30	ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 1.50%#			
36) d4-1,2-Dichloroethane	7.86	65	36845	0.30	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 1.50%#			
54) d8-Toluene	10.72	98	63020	0.31	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 1.55%#			
73) Bromofluorobenzene	14.87	95	27501	0.29	ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 1.45%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.70	85	26441	4.46	ug/L	98
3) Chloromethane	1.95	50	27030	4.62	ug/L	98
4) Vinyl Chloride	2.04	62	34777	5.05	ug/L	99
5) Bromomethane	2.48	94	15015	3.81	ug/L	95
6) Chloroethane	2.58	64	14467	4.55	ug/L	87
7) t-Butyl alcohol (TBA)	3.87	59	15673	25.22	ug/L	98
8) Trichlorofluoromethane	2.87	101	56462	4.54	ug/L	94
9) Diethyl ether	3.26	74	10568	5.32	ug/L	96
10) 1,1,2-Trichlorotrifluoroet	3.44	101	25477	4.87	ug/L	98
11) Acrolein	3.42	56	6475	8.71	ug/L	94
12) Acetone	3.52	43	48602	25.31	ug/L	100
13) 1,1-Dichloroethene	3.67	96	19298	4.73	ug/L	94
14) Methyl iodide	4.11	142	35625	5.11	ug/L	100
15) Di-isopropyl ether (DIPE)	5.48	45	85887	5.20	ug/L	98
16) Methylene Chloride	4.41	84	19805	4.68	ug/L	94
17) Carbon Disulfide	4.38	76	66852	4.64	ug/L	100
18) Acrylonitrile	4.65	53	10466	5.72	ug/L #	92
19) Methyl-tert-butyl ether (M	4.73	73	76250	4.75	ug/L	98
20) trans-1,2-Dichloroethene	4.88	61	48145	4.86	ug/L	98
21) 1,1-Dichloroethane	5.58	63	47850	5.11	ug/L	98
22) Vinyl acetate	5.63	43	42541	4.69	ug/L	98
23) Methyl ethyl ketone	6.30	72	9159	25.60	ug/L	97
24) Ethyl t-butyl ether (ETBE)	6.14	59	82270	5.02	ug/L	100
25) 2,2-Dichloropropane	6.45	77	37848	4.76	ug/L	94
26) cis-1,2-Dichloroethene	6.53	96	21657	5.02	ug/L	95
27) t-Amyl methyl ether (TAME)	7.85	73	55561	4.80	ug/L	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\032806C\C57954SI.D Vial: 8
Acq On : 28 Mar 2006 1:21 pm Operator:
Sample : 5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Mar 28 15:03 2006 Quant Results File: V803286C.RES

Quant Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:02:01 2006
Response via : Initial Calibration
DataAcq Meth : V803286C

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	Chloroform	6.78	83	44438	4.81 ug/L	100
30)	Bromochloromethane	7.00	128	13494	5.31 ug/L	94
31)	Tetrahydrofuran	7.12	71	1934	4.59 ug/L	87
32)	1,1,1-Trichloroethane	7.37	97	42606	4.89 ug/L	91
34)	1,1-Dichloropropene	7.62	75	31515	4.77 ug/L	91
35)	Carbon Tetrachloride	7.73	119	37098	5.98 ug/L	99
37)	1,2-Dichloroethane	8.00	62	48259	4.81 ug/L	97
38)	Benzene	7.99	78	63690	5.35 ug/L	90
40)	Trichloroethene	8.93	95	25126	5.37 ug/L	99
41)	1,2-Dichloropropane	9.19	63	22020	4.95 ug/L	99
42)	Methylmethacrylate	9.35	69	14289	4.84 ug/L	97
45)	Bromodichloromethane	9.54	83	32505	4.99 ug/L	99
46)	Dibromomethane	9.61	93	19221	5.29 ug/L	97
47)	1,4-Dioxane	9.62	88	5841	142.98 ug/L	95
50)	2-Chloroethylvinyl ether	10.05	63	5120	3.62 ug/L	93
51)	2-Hexanone	11.41	58	42533	27.64 ug/L	96
52)	Methyl isobutyl ketone	10.11	58	43244	26.15 ug/L	99
53)	cis-1,3-Dichloropropene	10.37	75	35127	5.04 ug/L	99
55)	Toluene	10.84	92	43588	5.29 ug/L	92
56)	trans-1,3-Dichloropropene	11.14	75	36104	5.12 ug/L	92
58)	1,1,2-Trichloroethane	11.35	83	14622	5.04 ug/L	92
59)	1,3-Dichloropropane	11.74	76	29993	5.10 ug/L	97
60)	Tetrachloroethene	11.81	166	28572	5.34 ug/L	95
61)	Dibromochloromethane	12.10	129	27247	5.13 ug/L	95
62)	1,2-Dibromoethane	12.40	107	25862	5.40 ug/L	90
64)	Chlorobenzene	13.05	112	56966	4.93 ug/L	97
65)	1,1,1,2-Tetrachloroethane	13.13	131	23206	4.96 ug/L	93
66)	Ethylbenzene	13.15	91	91095	5.08 ug/L	94
67)	m,p-Xylene	13.28	106	69740	10.64 ug/L	91
68)	o-Xylene	13.94	106	33227	5.15 ug/L	98
69)	Styrene	13.99	104	49679	4.30 ug/L	93
70)	Bromoform	14.47	173	20734	4.91 ug/L	100
71)	Isopropylbenzene	14.50	105	93232	5.17 ug/L	99
72)	1,1,2,2-Tetrachloroethane	14.76	83	23453	5.38 ug/L	93
74)	1,2,3-Trichloropropane	14.98	75	19337	5.11 ug/L	95
75)	trans-1,4-Dichloro-2-buten	15.11	53	11224	4.59 ug/L	96
76)	n-Propylbenzene	15.12	91	110867	5.20 ug/L	97
77)	Bromobenzene	15.14	156	26410	5.22 ug/L	96
78)	1,3,5-Trimethylbenzene	15.38	105	79687	5.17 ug/L	100
79)	2-Chlorotoluene	15.38	91	76247	5.16 ug/L	96
80)	4-Chlorotoluene	15.46	91	69426	5.03 ug/L	93

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\032806C\C57954SI.D Vial: 8
Acq On : 28 Mar 2006 1:21 pm Operator:
Sample : 5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Mar 28 15:03 2006 Quant Results File: V803286C.RES

Quant Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:02:01 2006
Response via : Initial Calibration
DataAcq Meth : V803286C

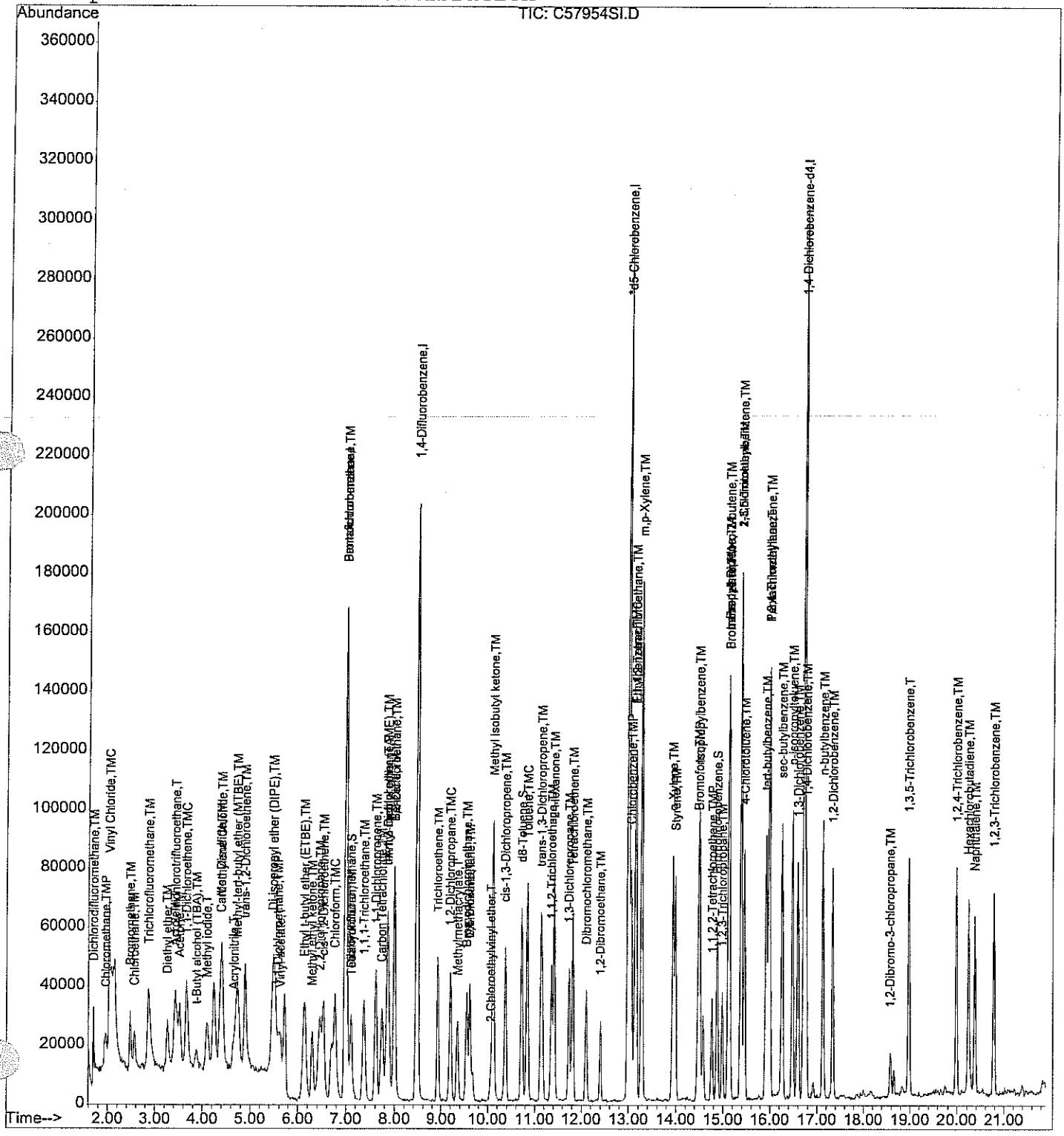
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
81) tert-butylbenzene	15.92	119	67539	4.90 ug/L	99
82) 1,2,4-Trimethylbenzene	15.98	105	81960	5.21 ug/L	96
83) Pentachloroethane	16.00	167	16555	4.72 ug/L	96
84) sec-butylbenzene	16.26	105	103056	5.25 ug/L	98
85) p-isopropyltoluene	16.48	119	83281	5.08 ug/L	95
86) 1,3-Dichlorobenzene	16.59	146	43784	5.14 ug/L	97
88) 1,4-Dichlorobenzene	16.77	146	44786	5.19 ug/L	94
89) n-butylbenzene	17.13	91	76647	5.11 ug/L	98
90) 1,2-Dichlorobenzene	17.34	146	42018	5.36 ug/L	95
92) 1,2-Dibromo-3-chloropropan	18.57	75	5491	4.61 ug/L #	69
94) 1,2,4-Trichlorobenzene	19.98	180	35616	5.04 ug/L	94
95) Hexachlorobutadiene	20.24	225	19682	5.01 ug/L	96
96) Naphthalene	20.37	128	61746	4.93 ug/L	100
97) 1,2,3-Trichlorobenzene	20.78	180	31100	5.04 ug/L	96
98) 1,3,5-Trichlorobenzene	18.98	180	38853	5.13 ug/L	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\032806C\C57954SI.D Vial: 8
Acq On : 28 Mar 2006 1:21 pm Operator:
Sample : 5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 28 15:03 2006 Quant Results File: V803286C.RES

Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:28:20 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\032806C\C57955SI.D Vial: 9
Acq On : 28 Mar 2006 1:54 pm Operator:
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Mar 28 15:03 2006 Quant Results File: V803286C.RES

Quant Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:02:01 2006
Response via : Initial Calibration
DataAcq Meth : V803286C

MT 3/29/06

3.29.06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.97	168	148600	20.00	ug/L	0.00
39) 1,4-Difluorobenzene	8.46	114	215952	20.00	ug/L	0.00
63) *d5-Chlorobenzene	12.99	117	206420	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.72	152	101545	20.00	ug/L	0.00
System Monitoring Compounds						
28) Dibromofluoromethane	7.09	111	109127	1.32	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 6.60%#			
36) d4-1,2-Dichloroethane	7.84	65	144092	1.32	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 6.60%#			
54) d8-Toluene	10.72	98	259853	1.45	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 7.25%#			
73) Bromofluorobenzene	14.86	95	112891	1.33	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 6.65%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.69	85	107611	20.51	ug/L	99
3) Chloromethane	1.95	50	106074	20.49	ug/L	96
4) Vinyl Chloride	2.01	62	132315	21.71	ug/L	98
5) Bromomethane	2.45	94	65216	18.70	ug/L	99
6) Chloroethane	2.54	64	54328	19.31	ug/L	100
7) t-Butyl alcohol (TBA)	3.86	59	56656	102.97	ug/L	97
8) Trichlorofluoromethane	2.84	101	219482	19.91	ug/L	99
9) Diethyl ether	3.25	74	33912	19.28	ug/L	92
10) 1,1,2-Trichlorotrifluoroet	3.41	101	88748	19.16	ug/L	98
11) Acrolein	3.40	56	14068	21.38	ug/L	92
12) Acetone	3.50	43	172720	101.57	ug/L	98
13) 1,1-Dichloroethene	3.63	96	65871	18.25	ug/L	95
14) Methyl iodide	4.08	142	119507	19.35	ug/L	99
15) Di-isopropyl ether (DIPE)	5.47	45	331808	22.69	ug/L	99
16) Methylene Chloride	4.39	84	70080	18.70	ug/L	97
17) Carbon Disulfide	4.34	76	247459	19.39	ug/L	100
18) Acrylonitrile	4.62	53	33929	20.94	ug/L	97
19) Methyl-tert-butyl ether (M	4.71	73	278353	19.59	ug/L	97
20) trans-1,2-Dichloroethene	4.87	61	171635	19.58	ug/L	95
21) 1,1-Dichloroethane	5.55	63	192098	23.18	ug/L	93
22) Vinyl acetate	5.61	43	138680	17.27	ug/L	99
23) Methyl ethyl ketone	6.28	72	33656	106.25	ug/L	97
24) Ethyl t-butyl ether (ETBE)	6.12	59	294523	20.28	ug/L	100
25) 2,2-Dichloropropane	6.43	77	136662	19.41	ug/L	97
26) cis-1,2-Dichloroethene	6.51	96	78150	20.46	ug/L	96
27) t-Amyl methyl ether (TAME)	7.84	73	205109	20.01	ug/L	99

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\032806C\C57955SI.D Vial: 9
Acq On : 28 Mar 2006 1:54 pm Operator:
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Mar 28 15:03 2006 Quant Results File: V803286C.RES

Quant Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:02:01 2006
Response via : Initial Calibration
DataAcq Meth : V803286C

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29) Chloroform	6.76	83	159684	19.51 ug/L	96
30) Bromochloromethane	6.99	128	45084	20.05 ug/L	97
31) Tetrahydrofuran	7.10	71	7510	20.14 ug/L	97
32) 1,1,1-Trichloroethane	7.36	97	157935	20.48 ug/L	98
34) 1,1-Dichloropropene	7.60	75	112021	19.13 ug/L	99
35) Carbon Tetrachloride	7.73	119	140952	25.68 ug/L	99
37) 1,2-Dichloroethane	7.99	62	177930	20.01 ug/L	98
38) Benzene	7.99	78	233858	22.19 ug/L	98
40) Trichloroethene	8.93	95	85965	20.78 ug/L	95
41) 1,2-Dichloropropane	9.19	63	83160	21.17 ug/L	100
42) Methylmethacrylate	9.34	69	55166	21.16 ug/L	99
45) Bromodichloromethane	9.53	83	122550	21.29 ug/L	97
46) Dibromomethane	9.60	93	67259	20.94 ug/L	94
47) 1,4-Dioxane	9.60	88	21221	587.90 ug/L	96
50) 2-Chloroethylvinyl ether	10.05	63	20707	16.56 ug/L	96
51) 2-Hexanone	11.41	58	153656	113.02 ug/L	97
52) Methyl isobutyl ketone	10.10	58	159454	109.12 ug/L	99
53) cis-1,3-Dichloropropene	10.37	75	130193	21.15 ug/L	96
55) Toluene	10.84	92	163152	22.41 ug/L	99
56) trans-1,3-Dichloropropene	11.14	75	131537	21.12 ug/L	98
58) 1,1,2-Trichloroethane	11.35	83	54824	21.39 ug/L	98
59) 1,3-Dichloropropane	11.74	76	108645	20.91 ug/L	99
60) Tetrachloroethene	11.82	166	106180	22.47 ug/L	99
61) Dibromochloromethane	12.10	129	105326	22.45 ug/L	97
62) 1,2-Dibromoethane	12.40	107	97353	22.99 ug/L	97
64) Chlorobenzene	13.05	112	222855	21.33 ug/L	98
65) 1,1,1,2-Tetrachloroethane	13.13	131	87465	20.66 ug/L	98
66) Ethylbenzene	13.15	91	338353	20.86 ug/L	100
67) m,p-Xylene	13.28	106	250164	42.20 ug/L	96
68) o-Xylene	13.93	106	120127	20.60 ug/L	93
69) Styrene	13.99	104	219653	21.03 ug/L	95
70) Bromoform	14.47	173	82624	21.65 ug/L	100
71) Isopropylbenzene	14.50	105	346830	21.28 ug/L	99
72) 1,1,2,2-Tetrachloroethane	14.76	83	85176	21.60 ug/L	96
74) 1,2,3-Trichloropropane	14.98	75	71281	20.82 ug/L	95
75) trans-1,4-Dichloro-2-buten	15.11	53	43059	19.47 ug/L	93
76) n-Propylbenzene	15.12	91	401393	20.82 ug/L	99
77) Bromobenzene	15.15	156	95117	20.79 ug/L	96
78) 1,3,5-Trimethylbenzene	15.38	105	298045	21.38 ug/L	98
79) 2-Chlorotoluene	15.38	91	283648	21.22 ug/L	98
80) 4-Chlorotoluene	15.45	91	254570	20.37 ug/L	90

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\032806C\C57955SI.D Vial: 9
Acq On : 28 Mar 2006 1:54 pm Operator:
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Mar 28 15:03 2006 Quant Results File: V803286C.RES

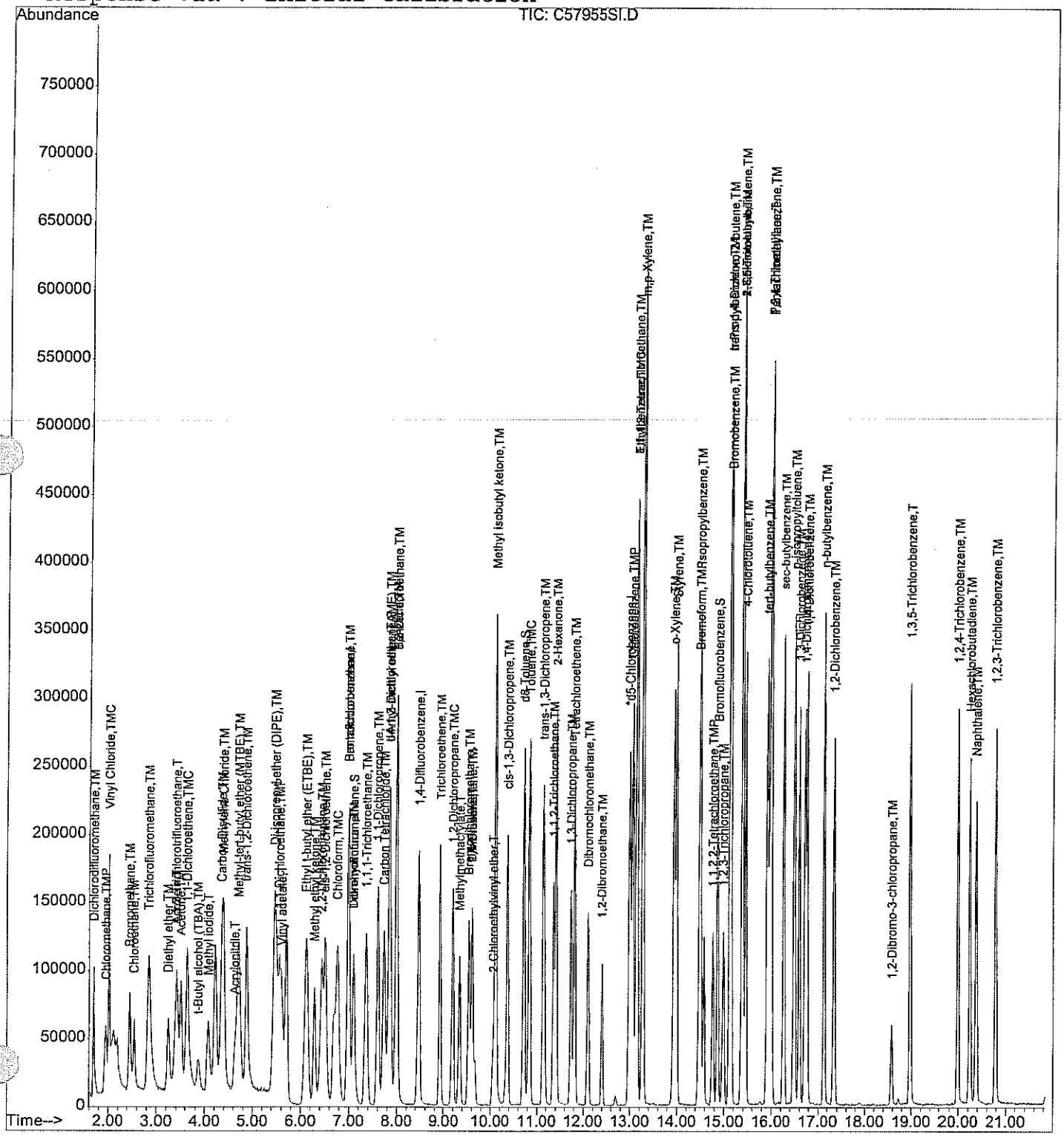
Quant Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:02:01 2006
Response via : Initial Calibration
DataAcq Meth : V803286C

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
81)	tert-butylbenzene	15.92	119	261758	21.00	ug/L		98
82)	1,2,4-Trimethylbenzene	15.99	105	298905	21.00	ug/L		100
83)	Pentachloroethane	16.00	167	65183	20.53	ug/L		98
84)	sec-butylbenzene	16.26	105	377168	21.22	ug/L		98
85)	p-isopropyltoluene	16.48	119	308202	20.80	ug/L		99
86)	1,3-Dichlorobenzene	16.60	146	165236	21.44	ug/L		99
88)	1,4-Dichlorobenzene	16.77	146	167002	20.80	ug/L		98
89)	n-butylbenzene	17.13	91	287036	20.55	ug/L		97
90)	1,2-Dichlorobenzene	17.34	146	151214	20.71	ug/L		99
92)	1,2-Dibromo-3-chloropropan	18.58	75	20750	18.71	ug/L	#	75
94)	1,2,4-Trichlorobenzene	19.99	180	140984	21.42	ug/L		98
95)	Hexachlorobutadiene	20.24	225	78125	21.34	ug/L		94
96)	Naphthalene	20.38	128	249368	21.39	ug/L		100
97)	1,2,3-Trichlorobenzene	20.78	180	129719	22.57	ug/L		97
98)	1,3,5-Trichlorobenzene	18.98	180	151781	21.54	ug/L		92

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\032806C\C57955SI.D Vial: 9
Acq On : 28 Mar 2006 1:54 pm Operator:
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 28 15:03 2006 Quant Results File: V803286C.RES

Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:28:20 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\032806C\C57956SI.D Vial: 10
Acq On : 28 Mar 2006 2:27 pm Operator:
Sample : 50 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Mar 28 15:03 2006 Quant Results File: V803286C.RES

Quant Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:02:01 2006
Response via : Initial Calibration
DataAcq Meth : V803286C

MT 3/29/06

3.29.06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.97	168	136583	20.00	ug/L	0.00
39) 1,4-Difluorobenzene	8.46	114	204007	20.00	ug/L	0.00
63) *d5-Chlorobenzene	12.99	117	195796	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.72	152	96122	20.00	ug/L	0.00
System Monitoring Compounds						
28) Dibromofluoromethane	7.09	111	258081	3.40	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 17.00%#			
36) d4-1,2-Dichloroethane	7.85	65	337127	3.35	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 16.75%#			
54) d8-Toluene	10.71	98	596136	3.52	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 17.60%#			
73) Bromofluorobenzene	14.87	95	262334	3.26	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 16.30%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.68	85	257110	53.31	ug/L	98
3) Chloromethane	1.96	50	260108	54.67	ug/L	98
4) Vinyl Chloride	2.01	62	297300	53.07	ug/L	98
5) Bromomethane	2.42	94	177299	55.31	ug/L	99
6) Chloroethane	2.52	64	125010	48.33	ug/L	98
7) t-Butyl alcohol (TBA)	3.94	59	115629	228.65	ug/L #	93
8) Trichlorofluoromethane	2.82	101	504228	49.76	ug/L	99
9) Diethyl ether	3.25	74	77038	47.66	ug/L	90
10) 1,1,2-Trichlorotrifluoroet	3.41	101	209431	49.21	ug/L	99
11) Acrolein	3.41	56	56435	93.33	ug/L	96
12) Acetone	3.53	43	377207	241.33	ug/L	95
13) 1,1-Dichloroethene	3.62	96	146066	44.03	ug/L	89
14) Methyl iodide	4.08	142	219810	38.71	ug/L	100
15) Di-isopropyl ether (DIPE)	5.48	45	691993	51.49	ug/L	99
16) Methylene Chloride	4.38	84	155274	45.07	ug/L	99
17) Carbon Disulfide	4.34	76	573074	48.86	ug/L	100
18) Acrylonitrile	4.64	53	72579	48.73	ug/L	96
19) Methyl-tert-butyl ether (M	4.71	73	606719	46.47	ug/L	98
20) trans-1,2-Dichloroethene	4.86	61	396428	49.20	ug/L	97
21) 1,1-Dichloroethane	5.55	63	380634	49.97	ug/L	94
22) Vinyl acetate	5.61	43	351909	47.69	ug/L	99
23) Methyl ethyl ketone	6.29	72	71766	246.50	ug/L	97
24) Ethyl t-butyl ether (ETBE)	6.13	59	633202	47.45	ug/L	99
25) 2,2-Dichloropropane	6.44	77	300250	46.39	ug/L	98
26) cis-1,2-Dichloroethene	6.51	96	180778	51.48	ug/L	96
27) t-Amyl methyl ether (TAME)	7.84	73	458542	48.66	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\032806C\C57956SI.D Vial: 10
Acq On : 28 Mar 2006 2:27 pm Operator:
Sample : 50 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Mar 28 15:03 2006 Quant Results File: V803286C.RES

Quant Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:02:01 2006
Response via : Initial Calibration
DataAcq Meth : V803286C

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
29)	Chloroform	6.77	83	367834	48.89	ug/L	98
30)	Bromochloromethane	6.99	128	97865	47.34	ug/L	99
31)	Tetrahydrofuran	7.11	71	17156	50.06	ug/L	90
32)	1,1,1-Trichloroethane	7.36	97	353117	49.83	ug/L	99
34)	1,1-Dichloropropene	7.60	75	255703	47.51	ug/L	98
35)	Carbon Tetrachloride	7.73	119	319734	63.37	ug/L	99
37)	1,2-Dichloroethane	7.99	62	413278	50.57	ug/L	100
38)	Benzene	7.99	78	526889	54.38	ug/L	98
40)	Trichloroethene	8.93	95	200108	51.19	ug/L	98
41)	1,2-Dichloropropane	9.19	63	183879	49.54	ug/L	98
42)	Methylmethacrylate	9.34	69	107811	43.77	ug/L	98
45)	Bromodichloromethane	9.53	83	276410	50.84	ug/L	96
46)	Dibromomethane	9.60	93	143671	47.35	ug/L	92
47)	1,4-Dioxane	9.62	88	46229	1355.70	ug/L	96
50)	2-Chloroethylvinyl ether	10.05	63	41592	35.21	ug/L	96
51)	2-Hexanone	11.41	58	335403	261.14	ug/L	97
52)	Methyl isobutyl ketone	10.10	58	338372	245.13	ug/L	99
53)	cis-1,3-Dichloropropene	10.37	75	287478	49.43	ug/L	99
55)	Toluene	10.83	92	357905	52.03	ug/L	99
56)	trans-1,3-Dichloropropene	11.13	75	295423	50.21	ug/L	98
58)	1,1,2-Trichloroethane	11.35	83	119451	49.32	ug/L	98
59)	1,3-Dichloropropane	11.74	76	247468	50.42	ug/L	97
60)	Tetrachloroethene	11.81	166	240480	53.87	ug/L	98
61)	Dibromochloromethane	12.10	129	240532	54.26	ug/L	96
62)	1,2-Dibromoethane	12.40	107	219933	54.97	ug/L	97
64)	Chlorobenzene	13.05	112	500034	50.47	ug/L	98
65)	1,1,1,2-Tetrachloroethane	13.13	131	199095	49.59	ug/L	99
66)	Ethylbenzene	13.15	91	759346	49.35	ug/L	99
67)	m,p-Xylene	13.28	106	564585	100.40	ug/L	100
68)	o-Xylene	13.94	106	282377	51.05	ug/L	98
69)	Styrene	13.99	104	493362	49.80	ug/L	98
70)	Bromoform	14.47	173	195668	54.04	ug/L	100
71)	Isopropylbenzene	14.50	105	790052	51.10	ug/L	100
72)	1,1,2,2-Tetrachloroethane	14.76	83	184438	49.31	ug/L	96
74)	1,2,3-Trichloropropane	14.98	75	160010	49.28	ug/L	97
75)	trans-1,4-Dichloro-2-buten	15.11	53	97224	46.34	ug/L	97
76)	n-Propylbenzene	15.12	91	908933	49.70	ug/L	99
77)	Bromobenzene	15.15	156	219262	50.53	ug/L	98
78)	1,3,5-Trimethylbenzene	15.38	105	674418	51.01	ug/L	99
79)	2-Chlorotoluene	15.38	91	625884	49.36	ug/L	99
80)	4-Chlorotoluene	15.45	91	575312	48.54	ug/L	92

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\032806C\C57956SI.D Vial: 10
Acq On : 28 Mar 2006 2:27 pm Operator:
Sample : 50 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Mar 28 15:03 2006 Quant Results File: V803286C.RES

Quant Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:02:01 2006
Response via : Initial Calibration
DataAcq Meth : V803286C

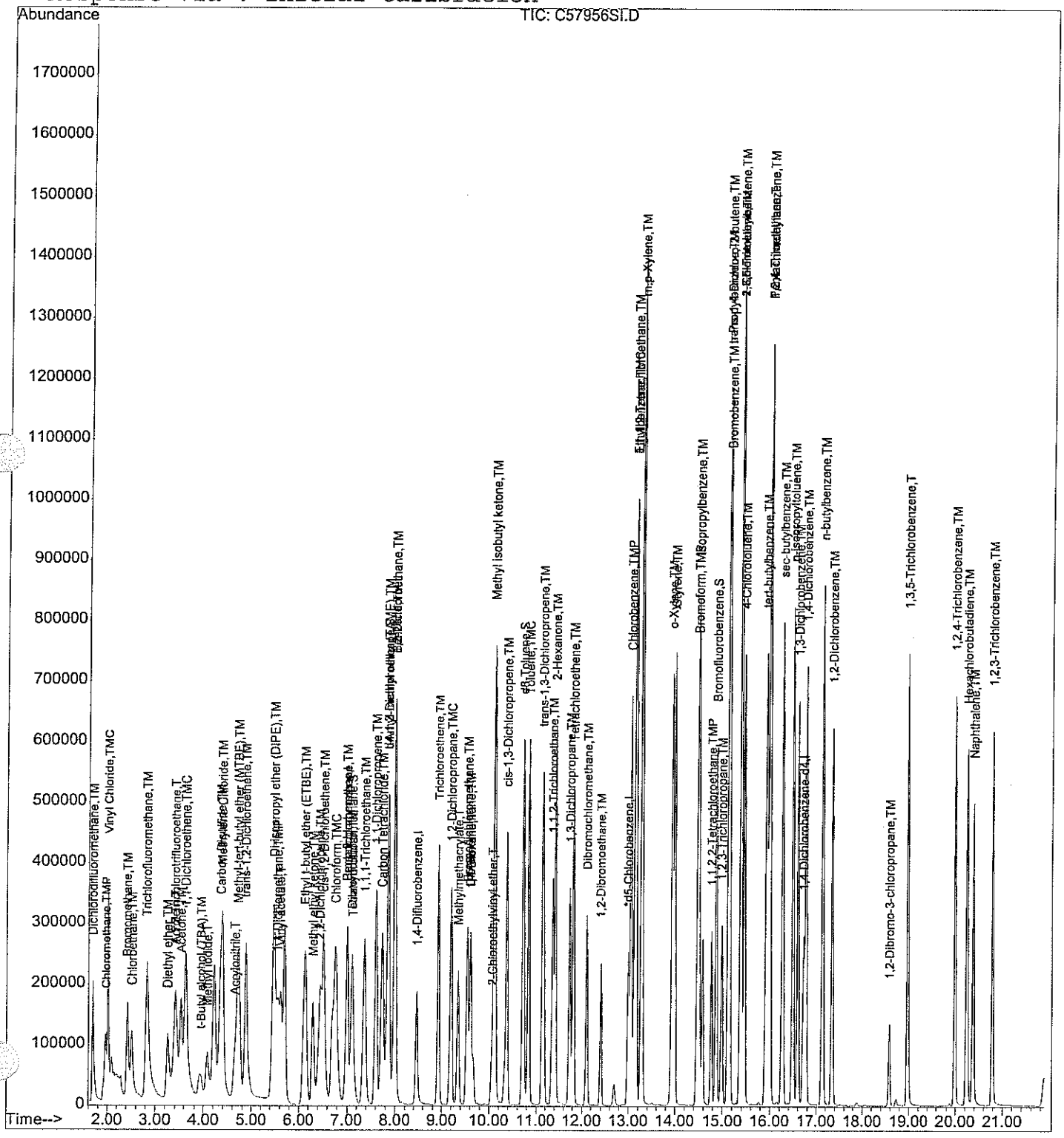
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
81) tert-butylbenzene	15.93	119	597832	50.57 ug/L	99
82) 1,2,4-Trimethylbenzene	15.99	105	678453	50.25 ug/L	98
83) Pentachloroethane	16.00	167	146229	48.56 ug/L	97
84) sec-butylbenzene	16.26	105	871403	51.69 ug/L	98
85) p-isopropyltoluene	16.48	119	708081	50.38 ug/L	97
86) 1,3-Dichlorobenzene	16.60	146	371165	50.78 ug/L	99
88) 1,4-Dichlorobenzene	16.77	146	379787	49.96 ug/L	99
89) n-butylbenzene	17.13	91	673712	50.95 ug/L	100
90) 1,2-Dichlorobenzene	17.34	146	342688	49.59 ug/L	99
92) 1,2-Dibromo-3-chloropropan	18.58	75	48063	45.79 ug/L	81
94) 1,2,4-Trichlorobenzene	19.99	180	322653	51.79 ug/L	99
95) Hexachlorobutadiene	20.24	225	185045	53.40 ug/L	99
96) Naphthalene	20.38	128	559191	50.67 ug/L	100
97) 1,2,3-Trichlorobenzene	20.79	180	294836	54.20 ug/L	98
98) 1,3,5-Trichlorobenzene	18.98	180	356993	53.51 ug/L	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\032806C\C57956SI.D Vial: 10
Acq On : 28 Mar 2006 2:27 pm Operator:
Sample : 50 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 28 15:03 2006 Quant Results File: V803286C.RES

Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:28:20 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\032806C\C57957SI.D Vial: 11
Acq On : 28 Mar 2006 3:00 pm Operator:
Sample : 100 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Mar 28 15:08 2006 Quant Results File: V803286C.RES

Quant Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:02:01 2006
Response via : Initial Calibration
DataAcq Meth : V803286C

MT 3/29/06 3.29.06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.97	168	131081	20.00	ug/L	0.00
39) 1,4-Difluorobenzene	8.45	114	206161	20.00	ug/L	0.00
63) *d5-Chlorobenzene	12.99	117	194260	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.72	152	96552	20.00	ug/L	0.00
System Monitoring Compounds						
28) Dibromofluoromethane	7.08	111	495144	6.79	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 33.95%#			
36) d4-1,2-Dichloroethane	7.84	65	665025	6.89	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 34.45%#			
54) d8-Toluene	10.71	98	1125581	6.58	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 32.90%#			
73) Bromofluorobenzene	14.87	95	504921	6.32	ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 31.60%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.67	85	484595	104.69	ug/L	99
3) Chloromethane	1.93	50	479791	105.07	ug/L	97
4) Vinyl Chloride	2.00	62	557697	103.73	ug/L	97
5) Bromomethane	2.42	94	87992	28.60	ug/L	94
6) Chloroethane	2.47	64	283534	114.22	ug/L	100
7) t-Butyl alcohol (TBA)	4.02	59	240230m	494.97	ug/L	
8) Trichlorofluoromethane	2.78	101	1030732	105.99	ug/L	100
9) Diethyl ether	3.25	74	159822	103.02	ug/L	94
10) 1,1,2-Trichlorotrifluoroet	3.36	101	410429	100.48	ug/L	98
11) Acrolein	3.41	56	85787	147.83	ug/L	95
12) Acetone	3.55	43	769466	512.95	ug/L	95
13) 1,1-Dichloroethene	3.59	96	284610	89.40	ug/L #	88
14) Methyl iodide	4.04	142	576653	105.82	ug/L	98
15) Di-isopropyl ether (DIPE)	5.48	45	1227012	95.13	ug/L	100
16) Methylene Chloride	4.36	84	304073	91.97	ug/L	91
17) Carbon Disulfide	4.30	76	1138888	101.17	ug/L	100
18) Acrylonitrile	4.64	53	154216	107.90	ug/L	97
19) Methyl-tert-butyl ether (M	4.72	73	1264860	100.94	ug/L	98
20) trans-1,2-Dichloroethene	4.84	61	786363	101.69	ug/L	98
21) 1,1-Dichloroethane	5.55	63	718532	98.29	ug/L	97
22) Vinyl acetate	5.61	43	508610	71.82	ug/L	99
23) Methyl ethyl ketone	6.31	72	144986	518.90	ug/L	97
24) Ethyl t-butyl ether (ETBE)	6.13	59	1299271	101.45	ug/L	99
25) 2,2-Dichloropropane	6.42	77	630620	101.53	ug/L	98
26) cis-1,2-Dichloroethene	6.50	96	348585	103.44	ug/L	97
27) t-Amyl methyl ether (TAME)	7.84	73	896676	99.15	ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\032806C\C57957SI.D Vial: 11
Acq On : 28 Mar 2006 3:00 pm Operator:
Sample : 100 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Mar 28 15:08 2006 Quant Results File: V803286C.RES

Quant Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:02:01 2006
Response via : Initial Calibration
DataAcq Meth : V803286C

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29) Chloroform	6.76	83	715981	99.16 ug/L	96
30) Bromochloromethane	6.98	128	201191	101.41 ug/L	98
31) Tetrahydrofuran	7.10	71	31563	95.97 ug/L	92
32) 1,1,1-Trichloroethane	7.34	97	728535	107.12 ug/L	97
34) 1,1-Dichloropropene	7.60	75	496530	96.13 ug/L	99
35) Carbon Tetrachloride	7.71	119	669429	138.25 ug/L	99
37) 1,2-Dichloroethane	7.98	62	840442	107.15 ug/L	97
38) Benzene	7.98	78	975515	104.91 ug/L	99
40) Trichloroethene	8.92	95	387652	98.14 ug/L	98
41) 1,2-Dichloropropane	9.18	63	362140	96.55 ug/L	100
42) Methylmethacrylate	9.34	69	255670	102.71 ug/L	96
45) Bromodichloromethane	9.53	83	579480	105.46 ug/L	96
46) Dibromomethane	9.60	93	313115	102.12 ug/L	91
47) 1,4-Dioxane	9.63	88	89857	2607.59 ug/L	98
50) 2-Chloroethylvinyl ether	10.05	63	158807	133.03 ug/L	96
51) 2-Hexanone	11.42	58	650877	501.47 ug/L	99
52) Methyl isobutyl ketone	10.11	58	677383	485.59 ug/L	99
53) cis-1,3-Dichloropropene	10.37	75	592168	100.75 ug/L	99
55) Toluene	10.83	92	684680	98.49 ug/L	100
56) trans-1,3-Dichloropropene	11.13	75	626460	105.37 ug/L	97
58) 1,1,2-Trichloroethane	11.35	83	240577	98.30 ug/L	96
59) 1,3-Dichloropropane	11.74	76	486424	98.08 ug/L	100
60) Tetrachloroethene	11.81	166	456822	101.26 ug/L	98
61) Dibromochloromethane	12.10	129	515063	114.97 ug/L	99
62) 1,2-Dibromoethane	12.40	107	441824	109.27 ug/L	97
64) Chlorobenzene	13.05	112	968192	98.49 ug/L	97
65) 1,1,1,2-Tetrachloroethane	13.13	131	401991	100.91 ug/L	98
66) Ethylbenzene	13.15	91	1460683	95.68 ug/L	97
67) m,p-Xylene	13.28	106	1037227	185.91 ug/L	89
68) o-Xylene	13.93	106	537594	97.95 ug/L	90
69) Styrene	13.99	104	964786	98.16 ug/L	95
70) Bromoform	14.47	173	401895	111.88 ug/L	99
71) Isopropylbenzene	14.50	105	1536371	100.16 ug/L	98
72) 1,1,2,2-Tetrachloroethane	14.76	83	375256	101.11 ug/L	94
74) 1,2,3-Trichloropropane	14.98	75	322698	100.17 ug/L	100
75) trans-1,4-Dichloro-2-buten	15.11	53	202142	97.11 ug/L	99
76) n-Propylbenzene	15.12	91	1744895	96.17 ug/L	98
77) Bromobenzene	15.15	156	421918	98.00 ug/L	98
78) 1,3,5-Trimethylbenzene	15.38	105	1295134	98.73 ug/L	93
79) 2-Chlorotoluene	15.38	91	1232476	97.96 ug/L	96
80) 4-Chlorotoluene	15.46	91	1149955	97.78 ug/L	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\032806C\C57957SI.D Vial: 11
Acq On : 28 Mar 2006 3:00 pm Operator:
Sample : 100 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Mar 28 15:08 2006 Quant Results File: V803286C.RES

Quant Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:02:01 2006
Response via : Initial Calibration
DataAcq Meth : V803286C

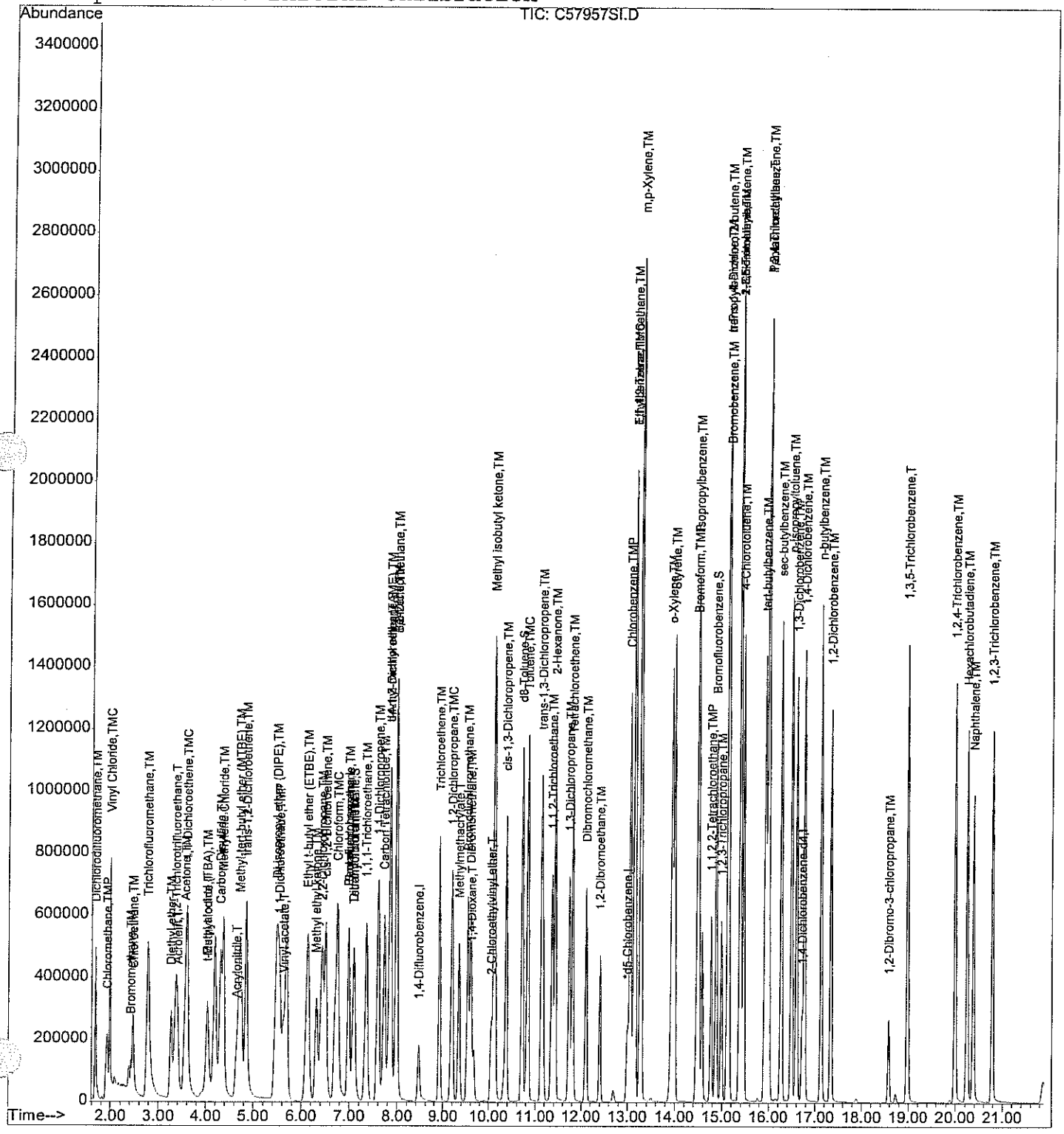
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
81)	tert-butylbenzene	15.93	119	1137989	97.02 ug/L	95
82)	1,2,4-Trimethylbenzene	15.99	105	1316658	98.30 ug/L	95
83)	Pentachloroethane	16.00	167	296666	99.29 ug/L	98
84)	sec-butylbenzene	16.26	105	1687723	100.91 ug/L	99
85)	p-isopropyltoluene	16.49	119	1402140	100.55 ug/L	98
86)	1,3-Dichlorobenzene	16.60	146	733330	101.13 ug/L	99
88)	1,4-Dichlorobenzene	16.77	146	747359	97.88 ug/L	98
89)	n-butylbenzene	17.13	91	1261835	95.00 ug/L	99
90)	1,2-Dichlorobenzene	17.34	146	676151	97.40 ug/L	97
92)	1,2-Dibromo-3-chloropropan	18.57	75	96859	91.86 ug/L	94
94)	1,2,4-Trichlorobenzene	19.99	180	654740	104.63 ug/L	99
95)	Hexachlorobutadiene	20.24	225	371858	106.82 ug/L	97
96)	Naphthalene	20.38	128	1095027	98.79 ug/L	100
97)	1,2,3-Trichlorobenzene	20.79	180	578980	105.95 ug/L	96
98)	1,3,5-Trichlorobenzene	18.98	180	704255	105.10 ug/L	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\032806C\C57957SI.D Vial: 11
Acq On : 28 Mar 2006 3:00 pm Operator:
Sample : 100 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 28 15:08 2006 Quant Results File: V803286C.RES

Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:28:20 2006
Response via : Initial Calibration



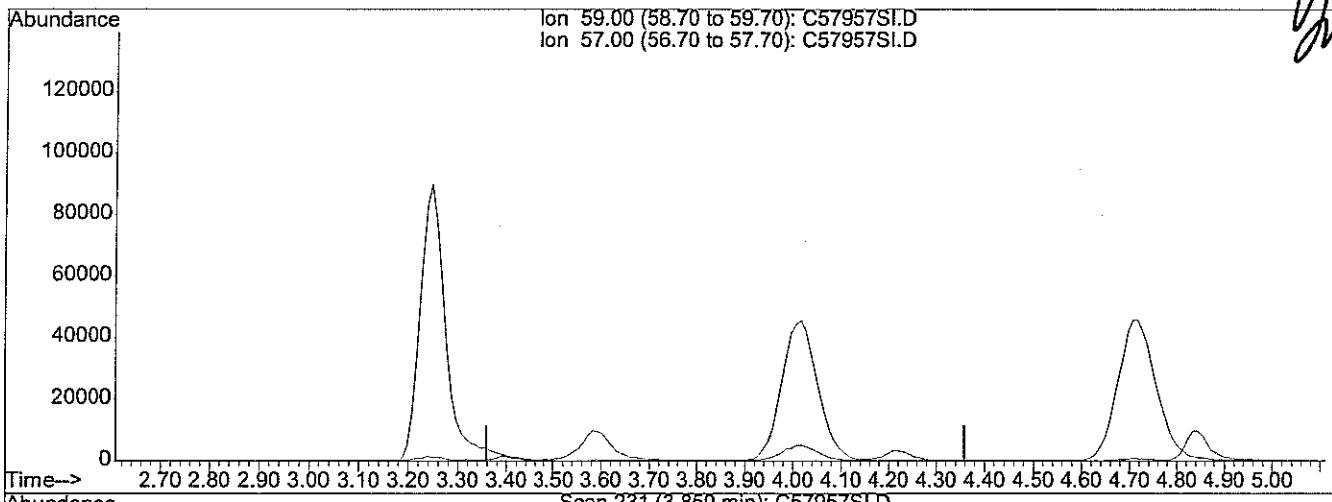
Quantitation Report (Qedit)

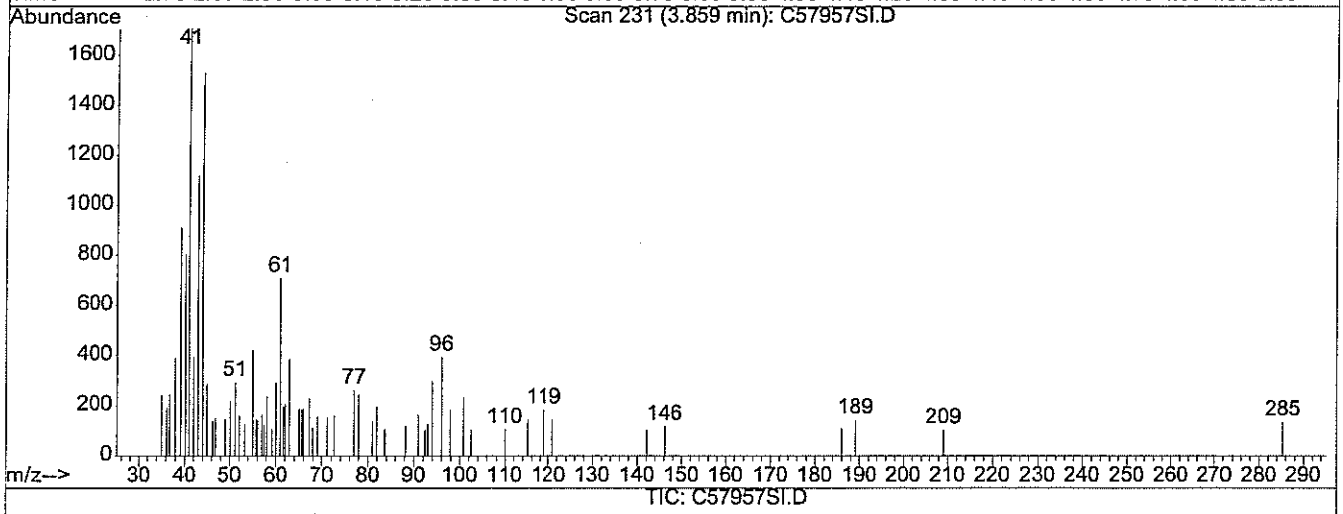
Data File : D:\HPCHEM\1\DATA\032806C\C57957SI.D Vial: 11
Acq On : 28 Mar 2006 3:00 pm Operator:
Sample : 100 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 28 15:08 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:02:01 2006
Response via : Multiple Level Calibration

MT 3/29/06
Missed peak

3.29.06





(7) t-Butyl alcohol (TBA) (TM)

3.86min 0.00ug/L

response 0

Ion	Exp%	Act%
59.00	100	0.00
57.00	11.40	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

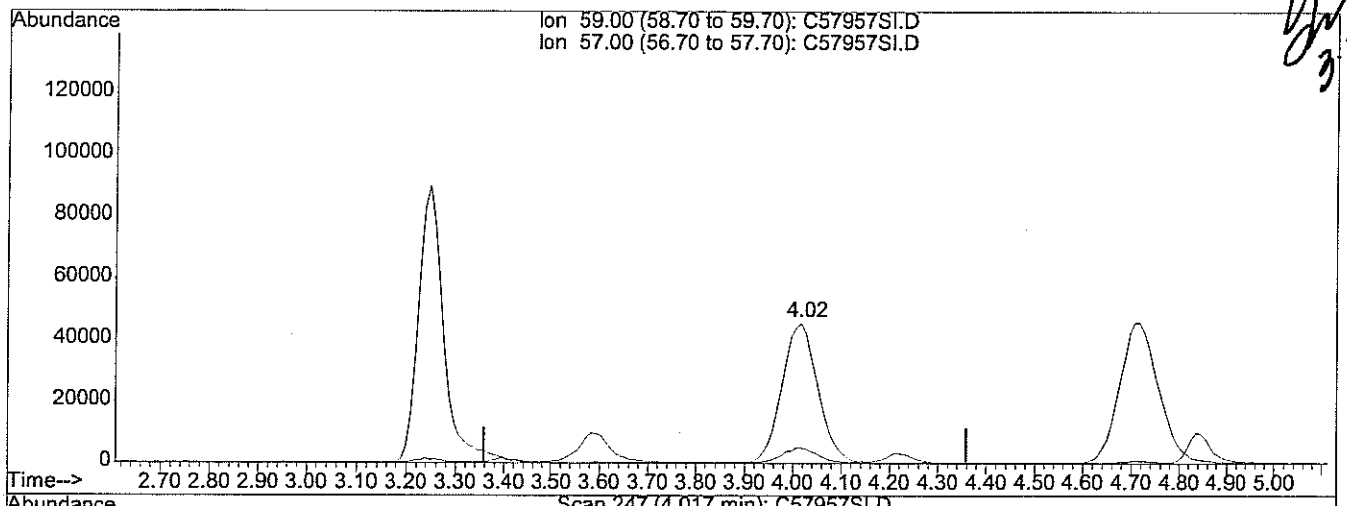
Quantitation Report (Qedit)

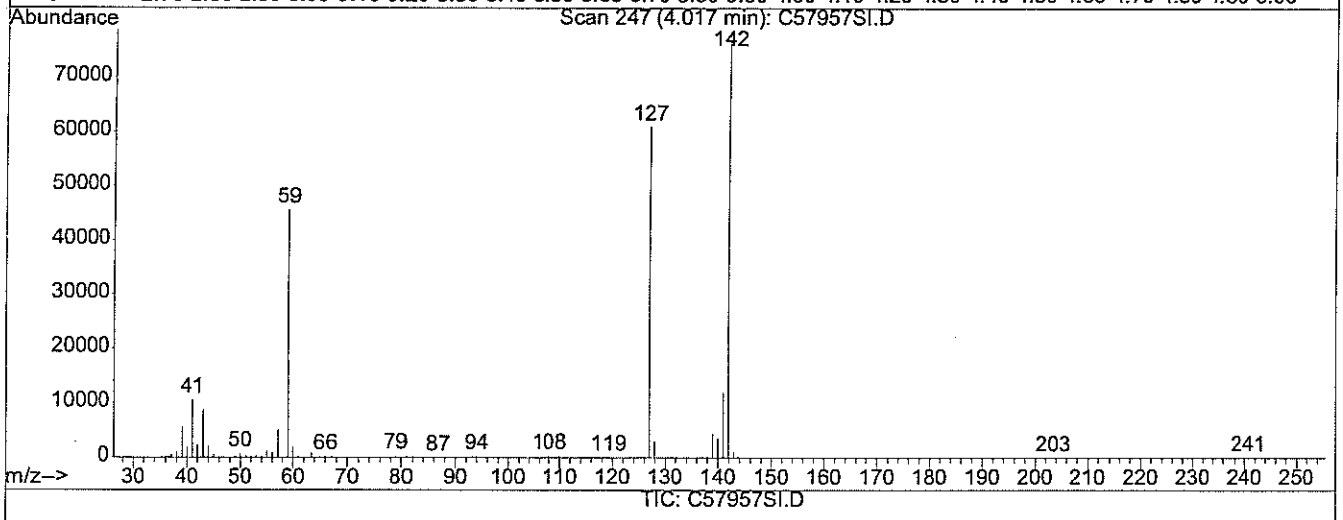
Data File : D:\HPCHEM\1\DATA\032806C\C57957SI.D Vial: 11
Acq On : 28 Mar 2006 3:00 pm Operator:
Sample : 100 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 28 15:08 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\V803286C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Mar 28 15:02:01 2006
Response via : Multiple Level Calibration

MT 3/29/06

3.29.06





(7) t-Butyl alcohol (TBA) (TM)

4.02min 494.97ug/L m

response 240230

Ion	Exp%	Act%
59.00	100	100
57.00	11.40	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

analytics environmental laboratory LLC

VOLATILE ORGANIC
INTERNAL STANDARD AREA AND RT SUMMARY

Project #: CTO 1042 Quote #: SDG#: 56079

BFB File ID: C57950T.D Site ID: Subbase Groton Site 7 Location: CT

Instrument ID: C BFB Injection Date: 3/28/06

GC Column: RTX-502.2 ID: 0.25(mm) BFB Injection Time: 1130

Heated Purge: (Y/N) N

		IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #	IS4 AREA #	RT #
	12 HOUR STD	148600	6.97	215952	8.46	206420	12.99	101545	16.72
	UPPER LIMIT	193180	7.39	280738	8.97	268346	13.77	132009	17.72
	LOWER LIMIT	104020	6.56	151166	7.96	144494	12.21	71082	15.71
	SAMPLE NO.								
01	0.2 PPB	149677	6.98	225406	8.46	202953	12.99	99128	16.71
02	1 PPB	151351	6.99	225249	8.47	204824	12.98	103293	16.71
03	2 PPB	155193	6.98	232219	8.46	212466	12.99	106097	16.72
04	5 PPB	167821	7.00	244411	8.47	228181	12.99	109061	16.72
05	20 PPB	148600	6.97	215952	8.46	206420	12.99	101545	16.72
06	50 PPB	136583	6.97	204007	8.46	195796	12.99	96122	16.72
07	100 PPB	131081	6.97	206161	8.45	194260	12.99	96552	16.72
08	ZZZZZ	164285	6.98	244854	8.47	232351	12.99	113384	16.71
09	ZZZZZ	166817	6.98	242529	8.46	228690	13.00	106274	16.71
10	LS03286C	165388	6.98	244610	8.46	230468	13.00	110113	16.71
11	LS03286C2	151948	6.97	228836	8.45	215792	12.99	103738	16.72
12	ZZZZZ	165624	6.98	254789	8.46	235063	12.99	114687	16.71
13	MB03286C	153899	6.97	230301	8.46	216480	12.98	113328	16.71
14	56079-1	155735	6.97	232026	8.46	217650	12.99	112845	16.72
15	56079-2	155399	6.97	228313	8.46	215431	12.99	109917	16.71
16	56079-3	154397	6.96	236763	8.45	227514	12.99	117024	16.72
17	ZZZZZ	159846	6.97	236813	8.45	227137	12.99	115678	16.72
18	ZZZZZ	157418	6.97	234811	8.46	224524	12.99	109427	16.71
19									
20									
21									
22									
23									
24									

IS1 = Pentafluorobenzene
IS2 = Fluorobenzene
IS3 = Chlorobenzene-d5
IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +30% of internal standard area
AREA LOWER LIMIT = -30% of internal standard area
RT UPPER LIMIT = +0.06 minutes of internal standard RRT
RT LOWER LIMIT = -0.06 minutes of internal standard RRT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

GC/MS QA-QC Check Report

Tune File : D:\HPCHEM\1\DATA\032806C\C57950T.D
Tune Time : 28 Mar 2006 11:30 am

Daily Calibration File : D:\HPCHEM\1\DATA\032806C\C57955SI.D

3-29-06

148600 215952 206420

MT 3/29/06

101545

File	Sample	Surrogate Recovery %				Internal Standard Responses		
C57951SI.D	0.2 PPB	0*	0*	0*	0*	149677	225406	202953
				99128				
C57952SI.D	1 PPB	0*	0*	0*	0*	151351	225249	204824
				103293				
C57953SI.D	2 PPB	1*	1*	1*	1*	155193	232219	212466
				106097				
C57954SI.D	5 PPB	1*	1*	2*	1*	167821	244411	228181
				109061				
C57955SI.D	20 PPB	7*	7*	7*	7*	148600	215952	206420
				101545				
C57956SI.D	50 PPB	17*	17*	18*	16*	136583	204007	195796
				96122				
C57957SI.D	100 PPB	34*	34*	33*	32*	131081	206161	194260
				96552				
C57959Q.D	L803286C	97	83	97	83	166817	242529	228690
				106274				
C57960Q.D	LS03286C	85	74	85	74	165388	244610	230468
				110113				
C57961Q.D	LS03286C	85	76	82	77	151948	228836	215792
				103738				
C57962.D	BROMOFOR	84	75	82	73	165624	254789	235063
				114687				
C57963B.D	MB03286C	88	77	88	79	153899	230301	216480
				113328				
C57964.D	56079-1	81	70	79	72	155735	232026	217650
				112845				
C57965.D	56079-2	73	65*	71	67*	155399	228313	215431
				109917				
C57966.D	56079-3	79	70	76	66*	154397	236763	227514
				117024				
C57967.D	56068-1	81	72	81	72	159846	236813	227137
				115678				

C57968.D 56069-1 63* 52* 12* 4* 157418 234811 224524
109427

---

t - fails 12hr time check * - fails criteria

Created: Wed Mar 29 08:38:41 2006 Instr_C

analytics environmental laboratory LLC

EXTRACTION
LOGBOOK PAGES

Transfer Date: 03/23/06

Initials: JG

EXTRACT TRANSFER SHEET

Semi-Volatile Compounds:

Sample	Analysis	Extraction Date	Matrix	Initial Volume(mL)	Initial Weight(g)	Final Volume(mL)	% Solids	Extraction Comments
56078-1	8270PAHS	03/23/06	Solid		30.12	1.0	89.31	
56078-2	8270PAHS	03/23/06	Solid		30.10	1.0	91.53	
56079-1	8270PAHS	03/23/06	Solid		30.81	1.0	78.13	
56079-2	8270PAHS	03/23/06	Solid		30.16	1.0	84.07	
56079-3	8270PAHS	03/23/06	Solid		30.15	1.0	85.82	
56081-1	8270S	03/23/06	Solid		30.52	1.0	92.14	

3.23.06

3.23.06

Base Nuetral Acid Extractables Solid Preparation Logbook

analytics environmental laboratory LLC

Circle Method Reference (SW-846 3550B Sonication)
SW-846 3545 Accelerated Solvent Extraction (ASE)

Date: 3.23.06 Time: 1:12 QC Batch ID: Q-P-032306-1-SC
Initials: JG 3.23.06 Prep. Batch ID P-P-032306-1-JG

Sample #	Matrix	Weight (g)	mL Surrogate	mL Spike	Final Vol $MeCl_2$	Cook Down Date	Vessel #
B03236AS	Na_2SO_4	30.07	0.5	—	1mL	3.23.06	N/A
LCS236AS	Si Sand	30.46	0.5	1.0/1.0		JG	
LCSD236AS	↓	30.09	0.5	1.0/1.0			
56078-1	Soil	30.12	0.5	—			
↳ -2		30.10	0.5	—			
56079-1 ~~3.24.06~~ -2		30.81	0.5	—			
↳ -2 -1		30.16	0.5	—			
↳ -3		30.15	0.5	—			
56081-1		30.52	0.5	—			
↳ -1, MS		30.21	0.5	1.0/1.0			
↳ -1, MSD		30.31	0.5	1.0/1.0			

MM 3.23.06

JM 3.23.06

$MeCl_2$ Lot Number: 46020
1:1 Acetone/MeCl2 Lot #: —
Silica Sand Lot Number: 074617
Na_2SO_4 Lot Number: 046077

	Lot #	Exp Date
(1) ABN Surrogate:	S6694	9.1.06
(2) ABN Spike (40 ug/mL):	S6711	8.3.06
(3) Benzidines Spike (80 ug/mL):	S6693	8.28.06
PAH Surrogate (5.0 ug/mL):		
PAH MS (5.0 ug/mL):		

MJ32406 labels switched S6079-1 should be -2 vice versa. Corrected logbook to match COC and labels.

analytics environmental laboratory LLC

SEMI-VOLATILE
DATA SUMMARIES

analytics environmental laboratory LLC

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800-929-9906

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100

May 31, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number:

Field Sample ID: LABQC

SAMPLE DATA

Lab Sample ID: B03236AS
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 03/23/06
Analysis Date: 03/23/06

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	250	U
Acenaphthylene	250	U
Acenaphthene	250	U
Fluorene	250	U
Phenanthrene	250	U
Anthracene	250	U
Fluoranthene	250	U
Pyrene	250	U
Benzo[a]anthracene	250	U
Chrysene	250	U
Benzo[b] fluoranthene	250	U
Benzo[k] fluoranthene	250	U
Benzo[a] pyrene	250	U
Dibenz [a,h] anthracene	250	U
Benzo(g,h,i) perylene	250	U
Indeno [1,2,3-cd] pyrene	250	U
2-Methylnaphthalene	250	U

Surrogate Standard Recovery

d5-nitrobenzene	82 %	2-Fluorobiphenyl	90 %	d14-p-terphenyl	92 %

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\032306-D\D46678B.D
Acq On : 23 Mar 2006 4:19 pm
Sample : B03236AS
Misc : SOIL
Integration Params: RTEINT.P
Quant Time: Mar 23 20:40 2006

Vial: 4
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: S03216.RES

Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Thu Mar 23 20:36:03 2006
Response via : Initial Calibration
DataAcq Meth : ABN

3-24-06 3/23/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	6.46	152	572292	40.00	ug/ml	-0.01
19) d8-Naphthalene	9.39	136	2054806	40.00	ug/ml	-0.02
35) d10-Acenaphthene	13.71	164	1238817	40.00	ug/ml	-0.02
61) d10-Phenanthrene	17.30	188	2182573	40.00	ug/ml	-0.02
71) d12-Chrysene	23.81	240	1779389	40.00	ug/ml	-0.02
79) d12-Perylene	28.23	264	1777964	40.00	ug/ml	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	3.99	112	874955	54.89	ug/ml	-0.02
Spiked Amount 75.000	Range 29 - 97		Recovery = 73.19%			
5) d5-Phenol	5.80	99	1154743	61.08	ug/ml	-0.03
Spiked Amount 75.000	Range 40 - 120		Recovery = 81.44%			
20) d5-nitrobenzene	7.77	82	1068311	40.80	ug/ml	-0.03
Spiked Amount 50.000	Range 20 - 101		Recovery = 81.60%			
39) 2-Fluorobiphenyl	12.08	172	1891181	44.93	ug/ml	-0.02
Spiked Amount 50.000	Range 34 - 102		Recovery = 89.86%			
60) 2,4,6-Tribromophenol	15.67	330	556279	68.45	ug/ml	-0.02
Spiked Amount 75.000	Range 36 - 141		Recovery = 91.27%			
73) d14-p-terphenyl	21.26	244	1915084	45.87	ug/ml	-0.01
Spiked Amount 50.000	Range 38 - 108		Recovery = 91.74%			
Target Compounds						Qvalue
64) Pentachlorophenol	17.09	266	42	4.18	ug/ml #	1
70) Benzidine	20.66	184	133	Below Cal	#	1
84) Indeno [1,2,3-cd] pyrene	32.24	276	177	Below Cal	#	59

(#) = qualifier out of range (m) = manual integration

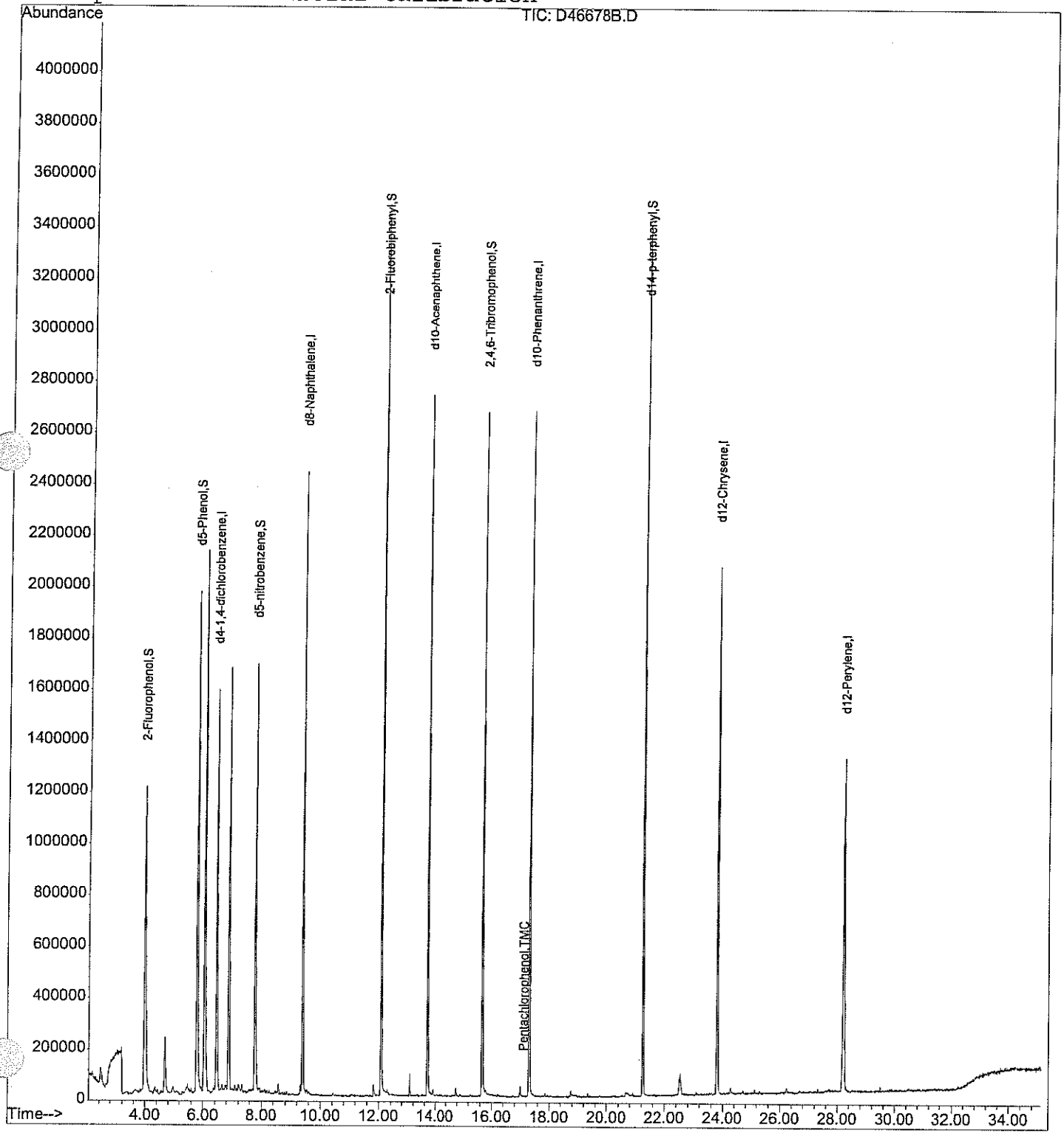
Quantitation Report

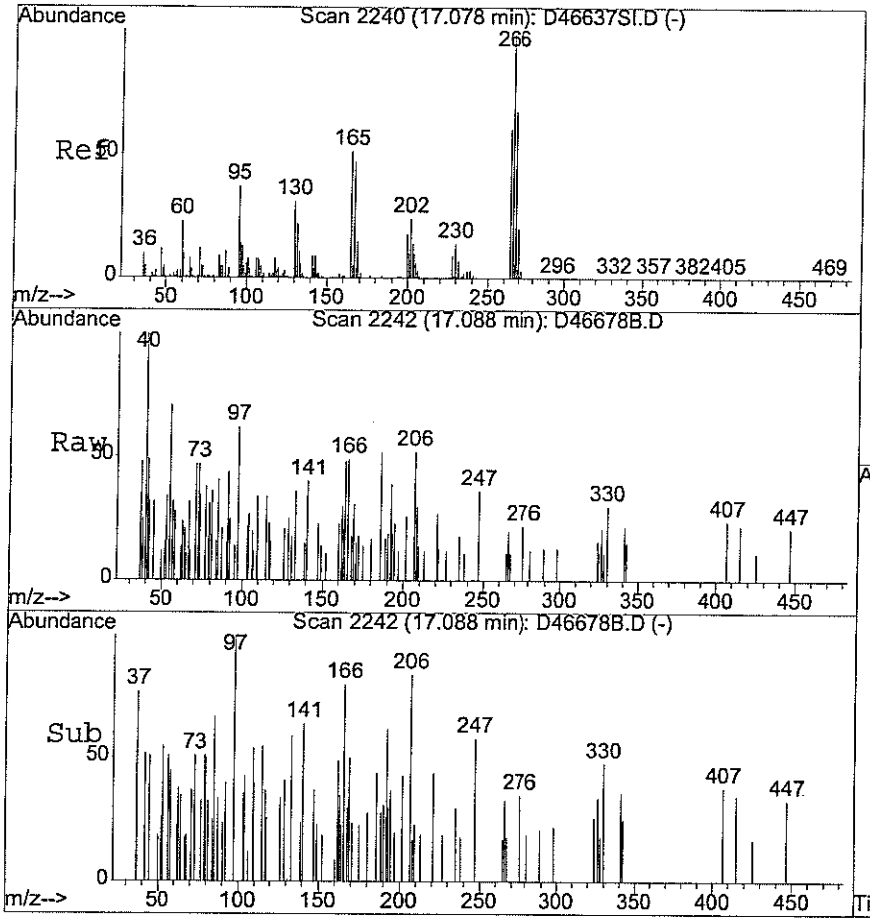
Data File : D:\HPCHEM\1\DATA\032306-D\D46678B.D
Acq On : 23 Mar 2006 4:19 pm
Sample : B03236AS
Misc : SOIL
MS Integration Params: RTEINT.P
Quant Time: Mar 23 20:40 2006

Vial: 4
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: S03216.RES

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Thu Mar 23 20:36:03 2006
Response via : Initial Calibration

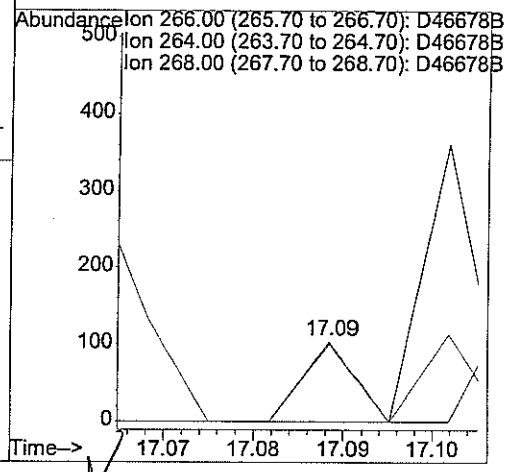


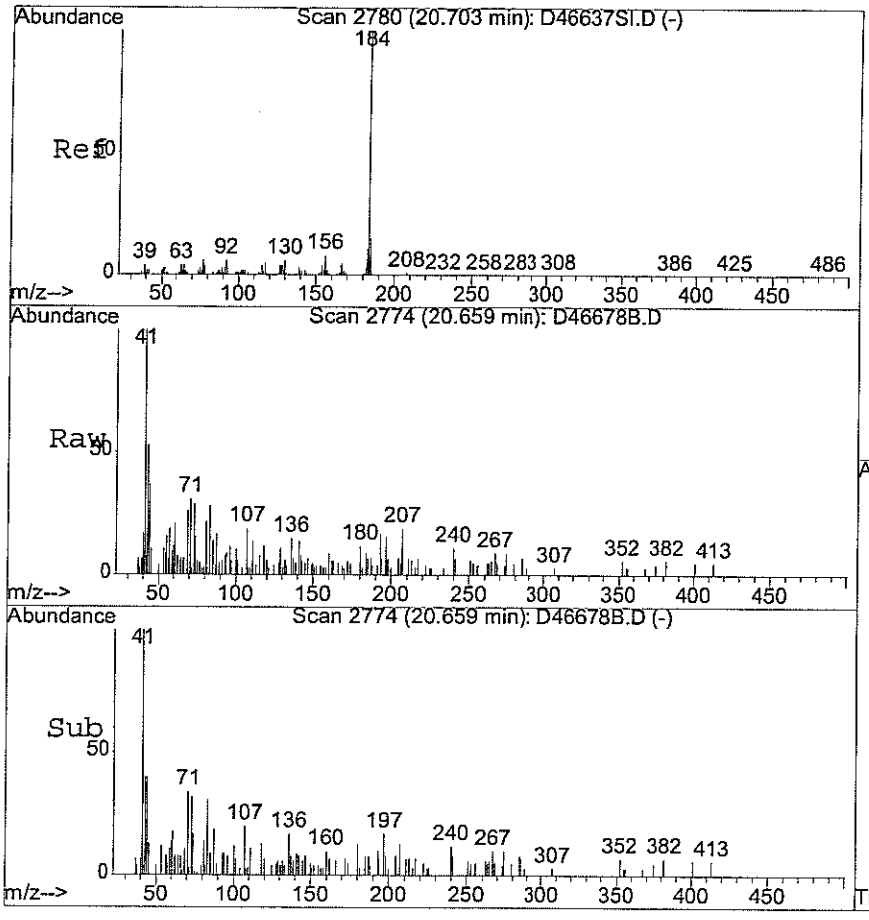


#64
Pentachlorophenol
Concen: 4.18 ug/ml
RT: 17.09 min Scan# 2242
Delta R.T. 0.04 min
Lab File: D46678B.D
Acq: 23 Mar 2006 4:19 pm

Tgt Ion:266 Resp: 42

Ion	Ratio	Lower	Upper
266	100		
264	707.1	49.5	74.3#
268	0.0	49.6	74.4#

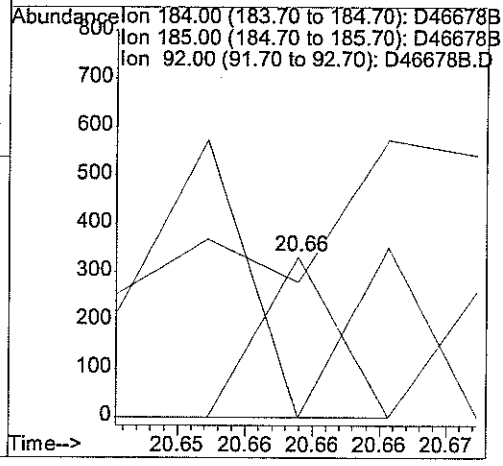




#70
Benzidine
Concen: Below Cal
RT: 20.66 min Scan# 2774
Delta R.T. -0.01 min
Lab File: D46678B.D
Acq: 23 Mar 2006 4:19 pm

Tgt Ion:184 Resp: 133

Ion	Ratio	Lower	Upper
184	100		
185	751.1	10.3	15.5#
92	412.0	3.4	5.0#



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Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100

May 31, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number:

Field Sample ID: LABQC

SAMPLE DATA

Lab Sample ID: B03236AS RR
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 03/23/06
Analysis Date: 03/24/06

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	250	U
Acenaphthylene	250	U
Acenaphthene	250	U
Fluorene	250	U
Phenanthrene	250	U
Anthracene	250	U
Fluoranthene	250	U
Pyrene	250	U
Benzo[a]anthracene	250	U
Chrysene	250	U
Benzo[b] fluoranthene	250	U
Benzo[k] fluoranthene	250	U
Benzo[a] pyrene	250	U
Dibenz [a,h] anthracene	250	U
Benzo(g,h,i) perylene	250	U
Indeno [1,2,3-cd] pyrene	250	U
2-Methylnaphthalene	250	U

Surrogate Standard Recovery

d5-nitrobenzene	85 %	2-Fluorobiphenyl	91 %	d14-p-terphenyl	91 %

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature Melina Tull

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\032306-D\D46694B.D
Acq On : 24 Mar 2006 4:55 am
Sample : B03236AS, RR
Misc : SOIL
Integration Params: RTEINT.P
Quant Time: Mar 24 19:08 2006

Vial: 4
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: S03216.RES

Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Fri Mar 24 02:32:57 2006
Response via : Initial Calibration
DataAcq Meth : ABN

3.27.06

3/24/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	6.43	152	518590	40.00	ug/ml	0.00
19) d8-Naphthalene	9.36	136	1819855	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.67	164	1097099	40.00	ug/ml	-0.01
61) d10-Phenanthrene	17.26	188	1949784	40.00	ug/ml	-0.01
71) d12-Chrysene	23.78	240	1639827	40.00	ug/ml	-0.01
79) d12-Perylene	28.17	264	1582244	40.00	ug/ml	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	3.96	112	826980	57.25	ug/ml	-0.01
Spiked Amount 75.000	Range 29 - 97		Recovery = 76.33%			
5) d5-Phenol	5.76	99	1087542	63.48	ug/ml	-0.01
Spiked Amount 75.000	Range 40 - 120		Recovery = 84.64%			
20) d5-nitrobenzene	7.74	82	982162	42.35	ug/ml	-0.01
Spiked Amount 50.000	Range 20 - 101		Recovery = 84.70%			
39) 2-Fluorobiphenyl	12.05	172	1698899	45.57	ug/ml	0.00
Spiked Amount 50.000	Range 34 - 102		Recovery = 91.14%			
60) 2,4,6-Tribromophenol	15.64	330	525255	72.66	ug/ml	0.00
Spiked Amount 75.000	Range 36 - 141		Recovery = 96.88%			
73) d14-p-terphenyl	21.23	244	1752838	45.55	ug/ml	0.00
Spiked Amount 50.000	Range 38 - 108		Recovery = 91.10%			
Target Compounds						Qvalue
64) Pentachlorophenol	17.01	266	133	4.19	ug/ml	# 42
70) Benzidine	20.62	184	165	Below Cal		# 1
84) Indeno [1,2,3-cd] pyrene	32.23	276	123	Below Cal		# 1

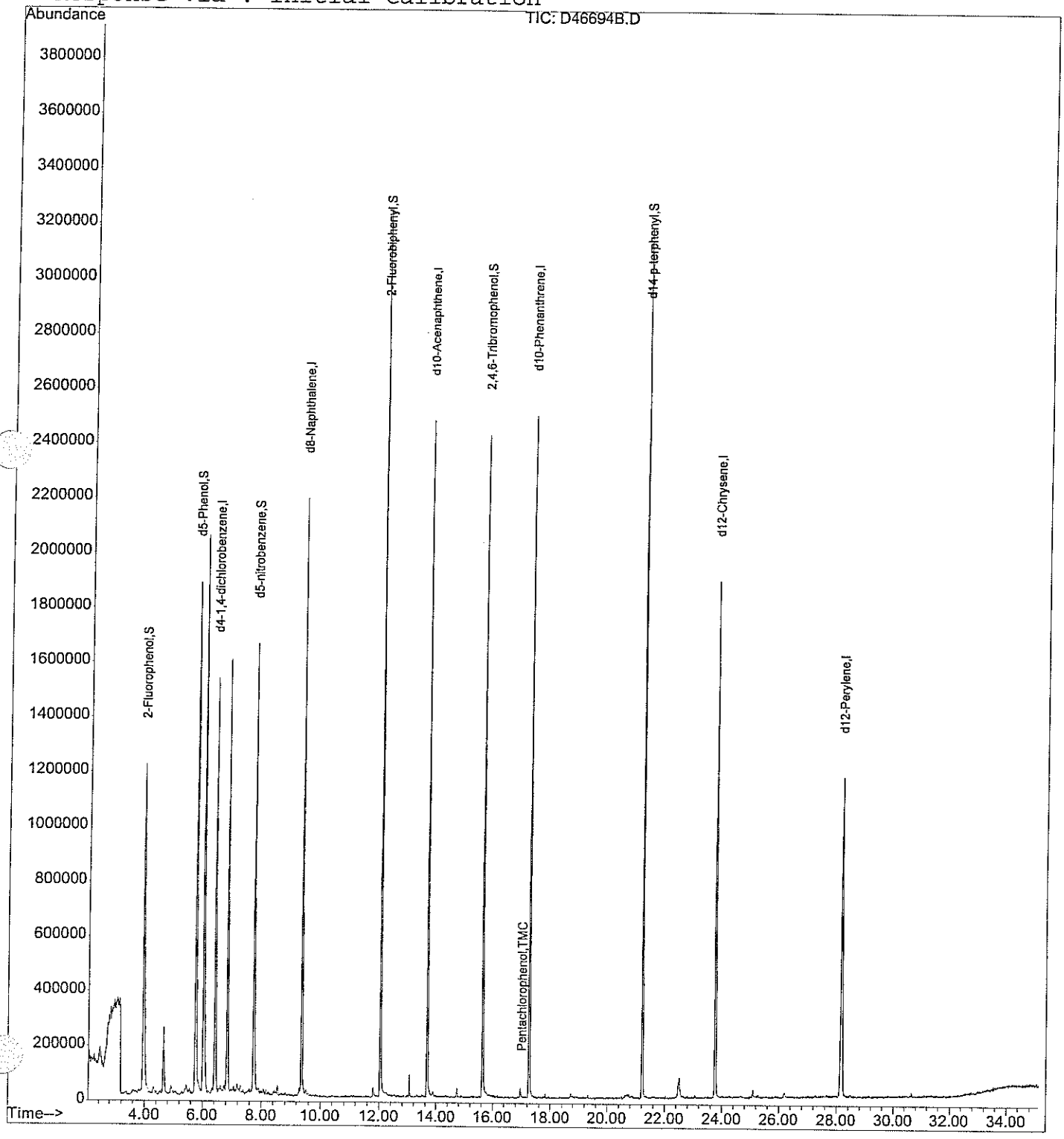
(#) = qualifier out of range (m) = manual integration

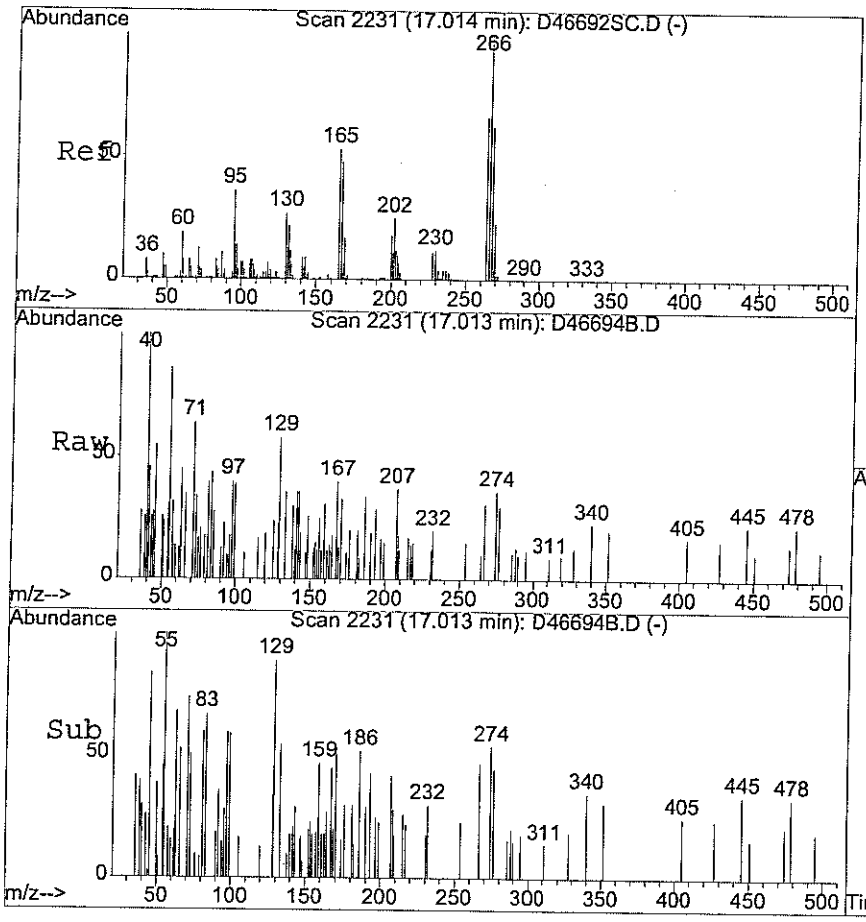
Data File : D:\HPCHEM\1\DATA\032306-D\D46694B.D
Acq On : 24 Mar 2006 4:55 am
Sample : B03236AS, RR
Misc : SOIL
MS Integration Params: RTEINT.P
Quant Time: Mar 24 19:08 2006

Vial: 4
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: S03216.RES

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Fri Mar 24 02:32:57 2006
Response via : Initial Calibration

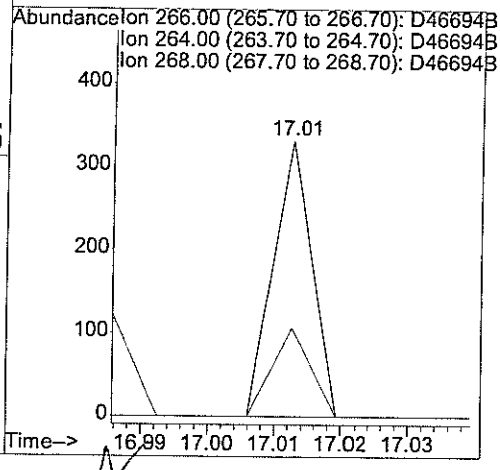


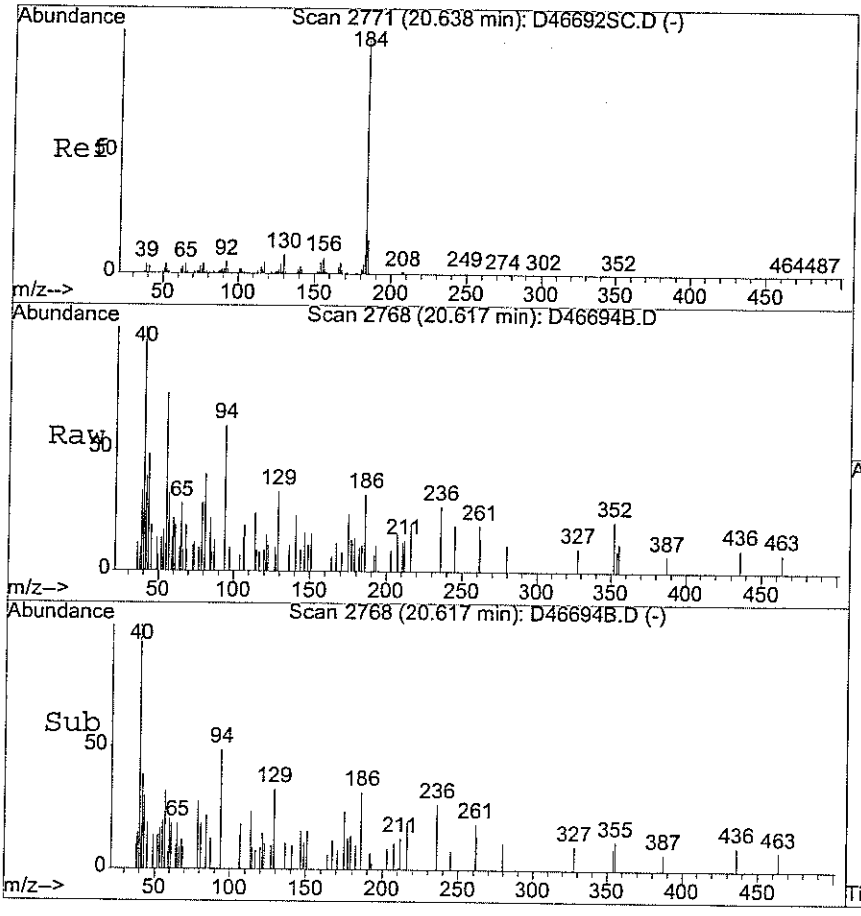


#64
Pentachlorophenol
Concen: 4.19 ug/ml
RT: 17.01 min Scan# 2231
Delta R.T. -0.00 min
Lab File: D46694B.D
Acq: 24 Mar 2006 4:55 am

Tgt Ion:266 Resp: 133

Ion	Ratio	Lower	Upper
266	100		
264	32.3	47.4	71.2#
268	0.0	47.9	71.9#

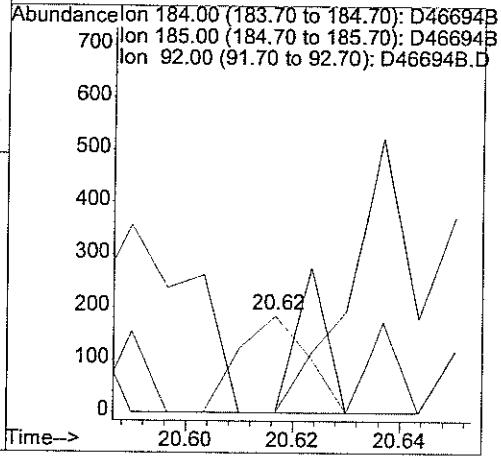




#70
Benzidine
Concen: Below Cal
RT: 20.62 min Scan# 2768
Delta R.T. -0.02 min
Lab File: D46694B.D
Acq: 24 Mar 2006 4:55 am

Tgt Ion:184 Resp: 165

Ion	Ratio	Lower	Upper
184	100		
185	246.7	11.7	17.5#
92	109.7	3.9	5.9#



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Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100

March 24, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number: CTO1042

Field Sample ID: NSB-NLON-SITE7-CS-SL-SWW-01

SAMPLE DATA

Lab Sample ID:	56079-1
Matrix:	Solid
Percent Solid:	84
Dilution Factor:	1.2
Collection Date:	03/22/06
Lab Receipt Date:	03/22/06
Extraction Date:	03/23/06
Analysis Date:	03/24/06

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	300	U
Acenaphthylene	300	**230 J**
Acenaphthene	300	U
Fluorene	300	U
Phenanthrene	300	U
Anthracene	300	U
Fluoranthene	300	**645**
Pyrene	300	**720**
Benzo[a]anthracene	300	**709**
Chrysene	300	**696**
Benzo[b] fluoranthene	300	**895**
Benzo[k] fluoranthene	300	**894**
Benzo[a] pyrene	300	**897**
Dibenz [a,h] anthracene	300	U
Benzo(g,h,i) perylene	300	U
Indeno [1,2,3-cd] pyrene	300	U
2-Methylnaphthalene	300	U

Surrogate Standard Recovery

d5-nitrobenzene	83 %	2-Fluorobiphenyl	89 %	d14-p-terphenyl	75 %

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\032306-D\D46697.D
Acq On : 24 Mar 2006 7:07 am
Sample : 56079-2 MS 3.24.06
Misc : SOIL
MS Integration Params: RTEINT.P
Quant Time: Mar 24 8:21 2006

Vial: 7
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: S03216.RES

Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Fri Mar 24 02:32:57 2006
Response via : Initial Calibration
DataAcq Meth : ABN

3.24.06

DF = 1.2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	6.42	152	491685	40.00	ug/ml	-0.01
19) d8-Naphthalene	9.36	136	1801468	40.00	ug/ml	-0.01
35) d10-Acenaphthene	13.67	164	1055877	40.00	ug/ml	-0.01
61) d10-Phenanthrene	17.26	188	1789779	40.00	ug/ml	-0.01
71) d12-Chrysene	23.80	240	1648422	40.00	ug/ml	0.00
79) d12-Perylene	28.22	264	1167453	40.00	ug/ml	0.02
System Monitoring Compounds						
4) 2-Fluorophenol	3.96	112	777302	56.76	ug/ml	-0.01
Spiked Amount 75.000	Range 29 - 97		Recovery = 75.68%			
5) d5-Phenol	5.76	99	1053824	64.88	ug/ml	-0.02
Spiked Amount 75.000	Range 40 - 120		Recovery = 86.51%			
20) d5-nitrobenzene	7.74	82	952247	41.48	ug/ml	-0.02
Spiked Amount 50.000	Range 20 - 101		Recovery = 82.96%			
39) 2-Fluorobiphenyl	12.05	172	1594840	44.45	ug/ml	-0.01
Spiked Amount 50.000	Range 34 - 102		Recovery = 88.90%			
60) 2,4,6-Tribromophenol	15.64	330	513541	73.74	ug/ml	-0.01
Spiked Amount 75.000	Range 36 - 141		Recovery = 98.32%			
73) d14-p-terphenyl	21.23	244	1456888	37.66	ug/ml	0.00
Spiked Amount 50.000	Range 38 - 108		Recovery = 75.32%			
Target Compounds						Qvalue
(44) Acenaphthylene	13.28	152	274989 J	5.83	ug/ml	95
~~64~~ Pentachlorophenol	17.02	266	246	~~4.20~~	ug/ml#	49
(69) Fluoranthene	20.24	202	786507	16.36	ug/ml	100
~~70~~ Benzidine	20.64	184	926	~~Below Cal~~	#	1
(72) Pyrene	20.78	202	925956	18.24	ug/ml	98
(75) Benzo[a]anthracene	23.74	228	808627	17.98	ug/ml#	90
(76) Chrysene	23.85	228	731748	17.64	ug/ml#	93
(81) Benzo[b] fluoranthene	26.91	252	762964	22.69	ug/ml	95
(82) Benzo[k] fluoranthene	26.99	252	725893	22.66	ug/ml#	94
(83) Benzo[a] pyrene	28.01	252	715310	22.75	ug/ml	99

(8)

3.24.06

(#) = qualifier out of range (m) = manual integration

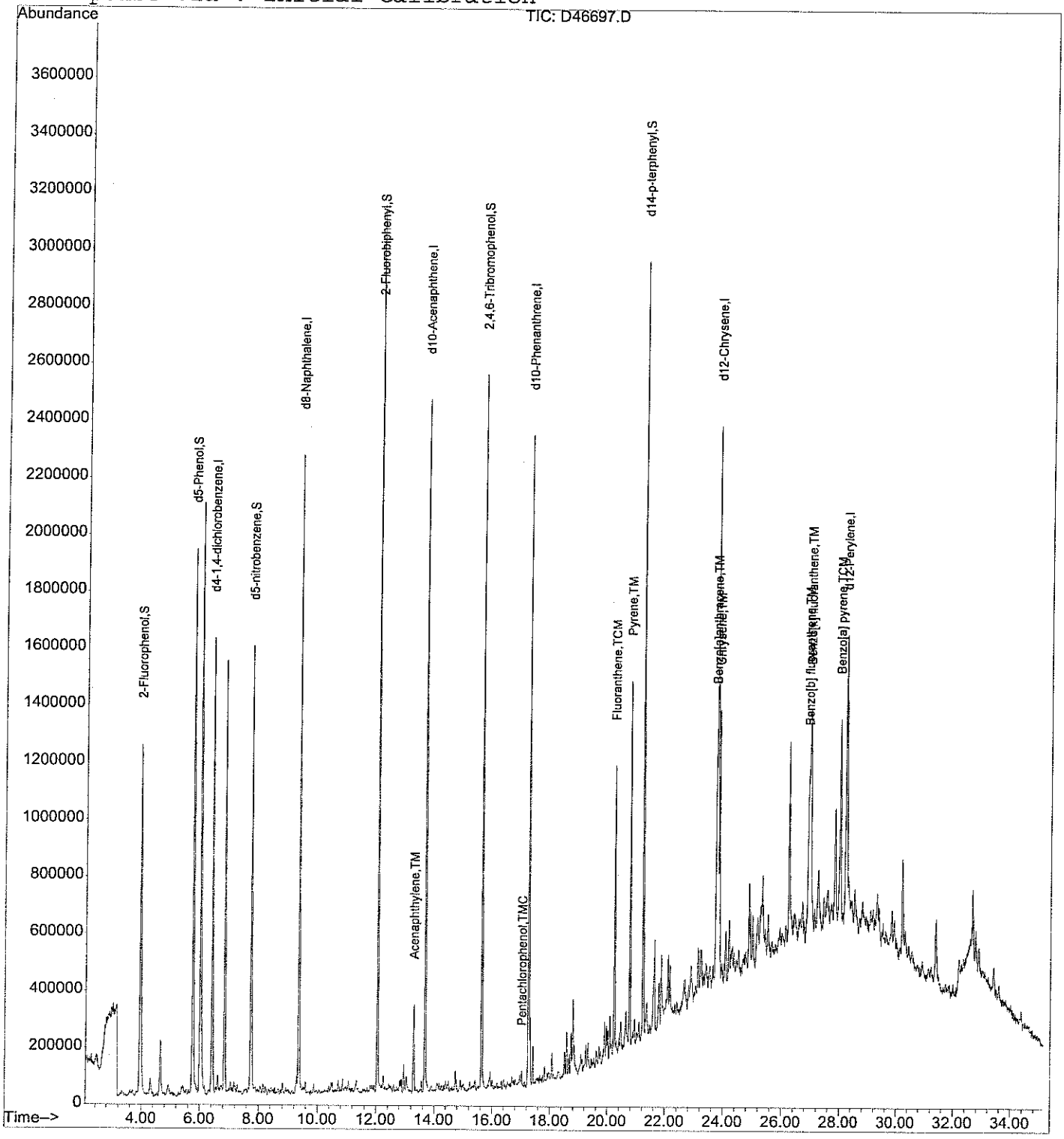
Quantitation Report

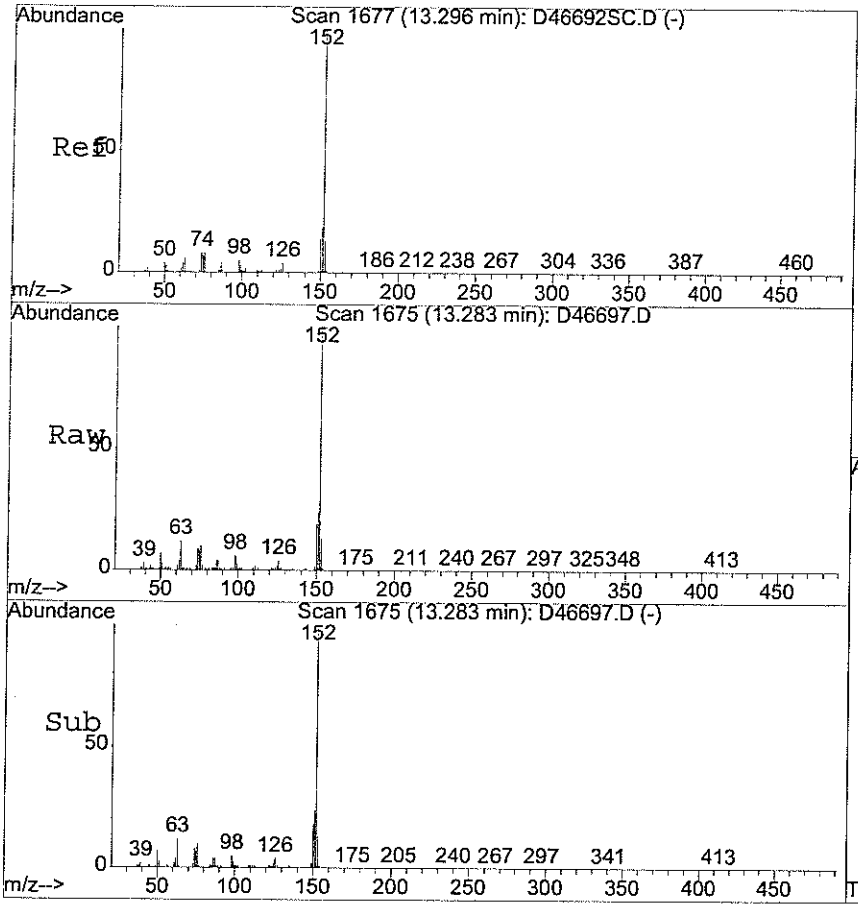
Data File : D:\HPCHEM\1\DATA\032306-D\D46697.D
Acq On : 24 Mar 2006 7:07 am
Sample : 56079-21mg3.24a
Misc : SOIL
MS Integration Params: RTEINT.P
Quant Time: Mar 24 8:21 2006

Vial: 7
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: S03216.RES

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Fri Mar 24 02:32:57 2006
Response via : Initial Calibration

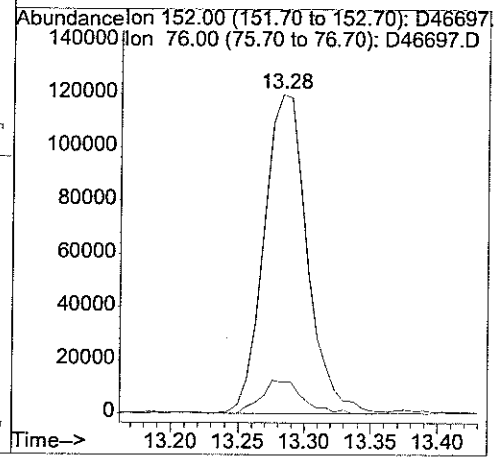


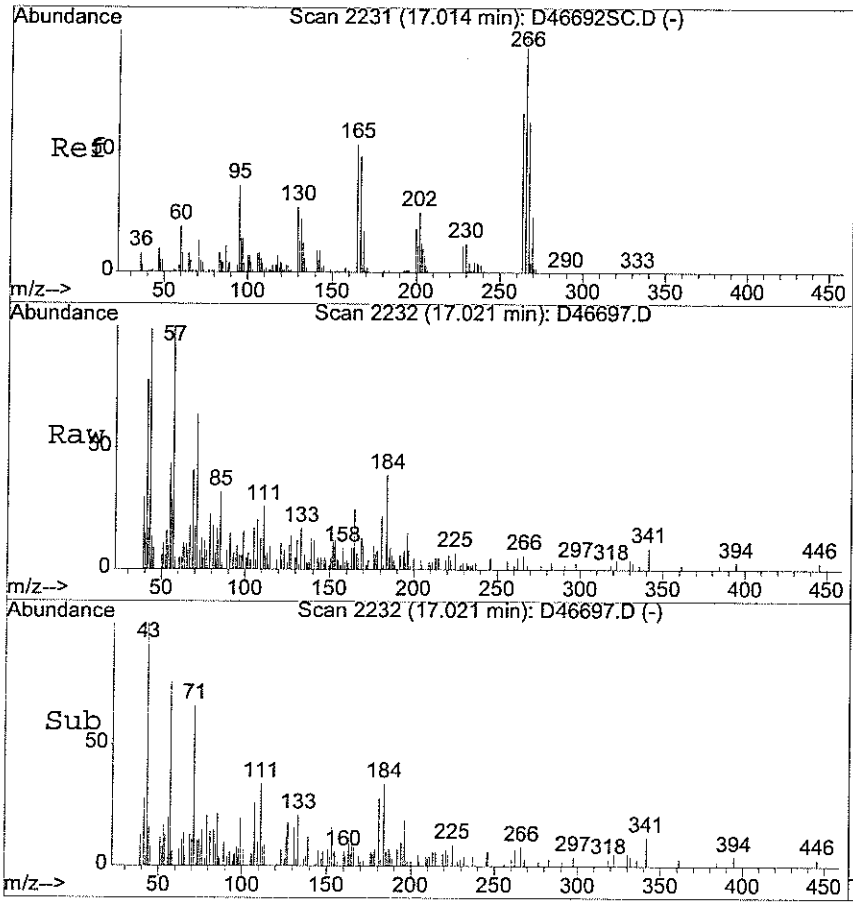


#44
Acenaphthylene
Concen: 5.83 ug/ml
RT: 13.28 min Scan# 1675
Delta R.T. -0.01 min
Lab File: D46697.D
Acq: 24 Mar 2006 7:07 am

Tgt Ion:152 Resp: 274989

Ion	Ratio	Lower	Upper
152	100		
76	10.0	6.6	10.0

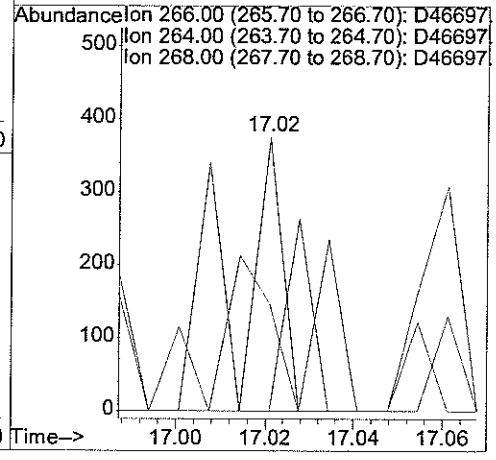


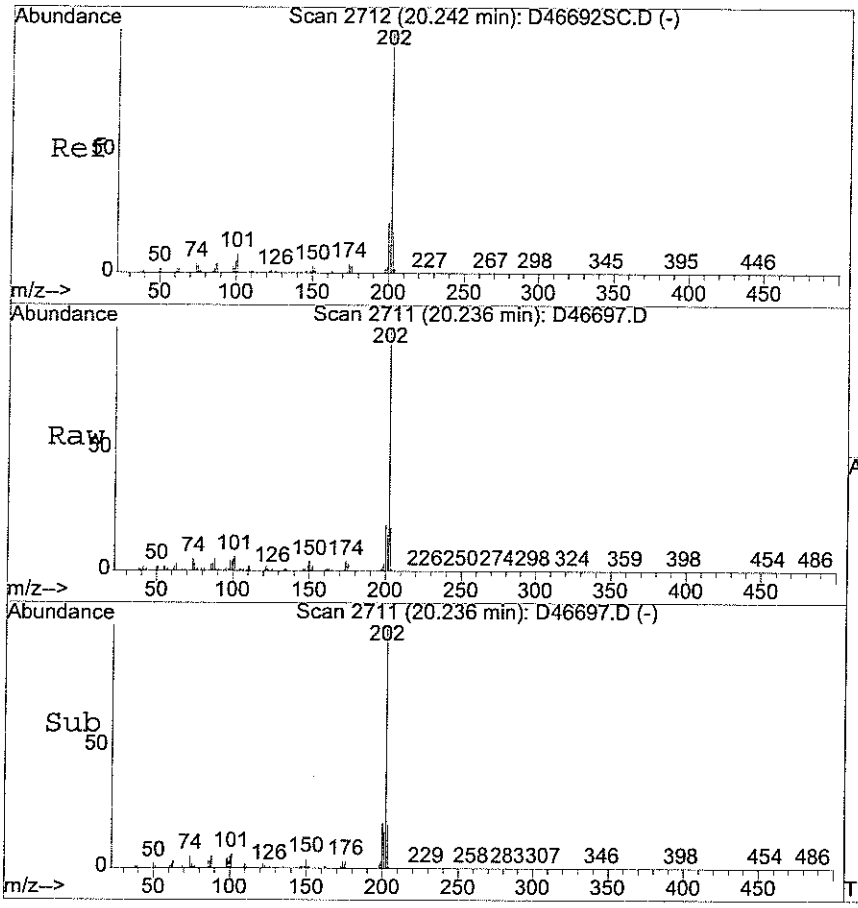


#64
Pentachlorophenol
Concen: 4.20 ug/ml
RT: 17.02 min Scan# 2232
Delta R.T. 0.01 min
Lab File: D46697.D
Acq: 24 Mar 2006 7:07 am

Tgt Ion:266 Resp: 246

Ion	Ratio	Lower	Upper
266	100		
264	43.1	47.4	71.2#
268	0.0	47.9	71.9#

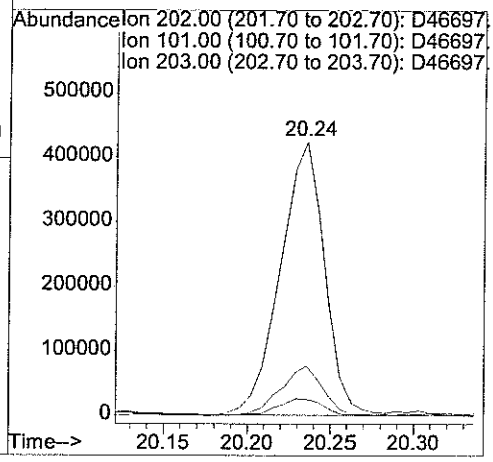


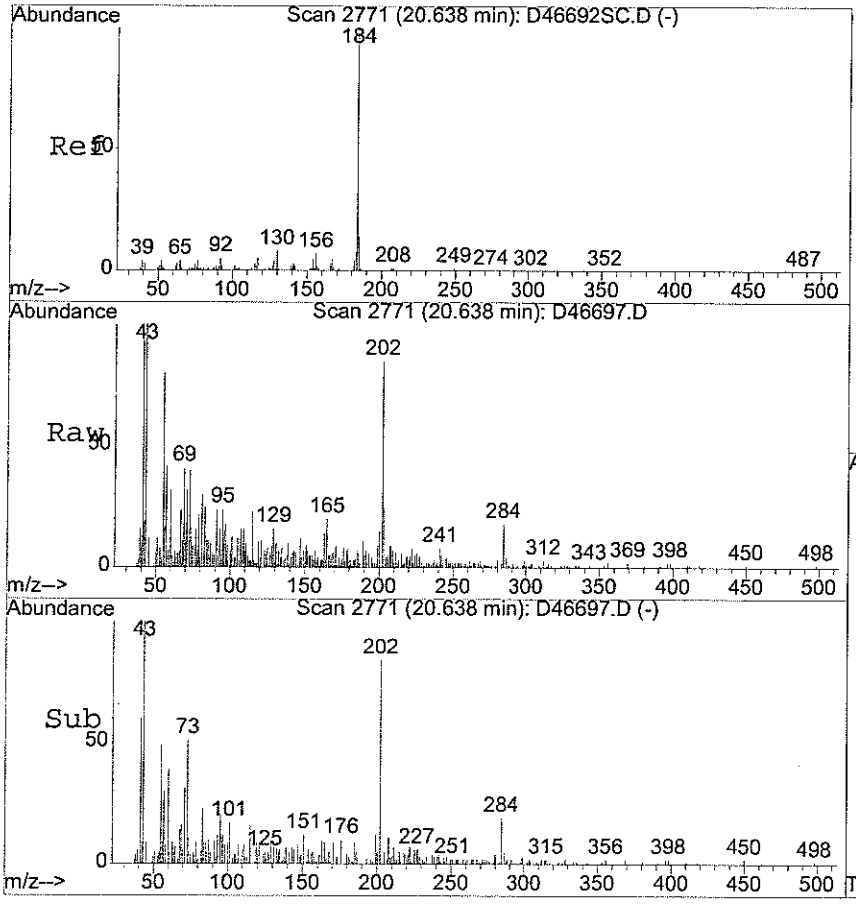


#69
Fluoranthene
Concen: 16.36 ug/ml
RT: 20.24 min Scan# 2711
Delta R.T. -0.01 min
Lab File: D46697.D
Acq: 24 Mar 2006 7:07 am

Tgt Ion:202 Resp: 786507

Ion	Ratio	Lower	Upper
202	100		
101	6.6	5.6	8.4
203	17.3	13.8	20.8

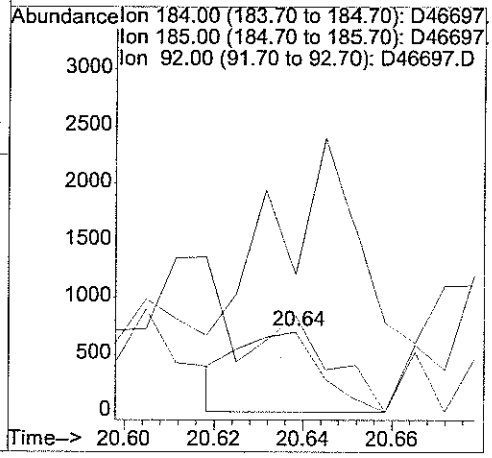


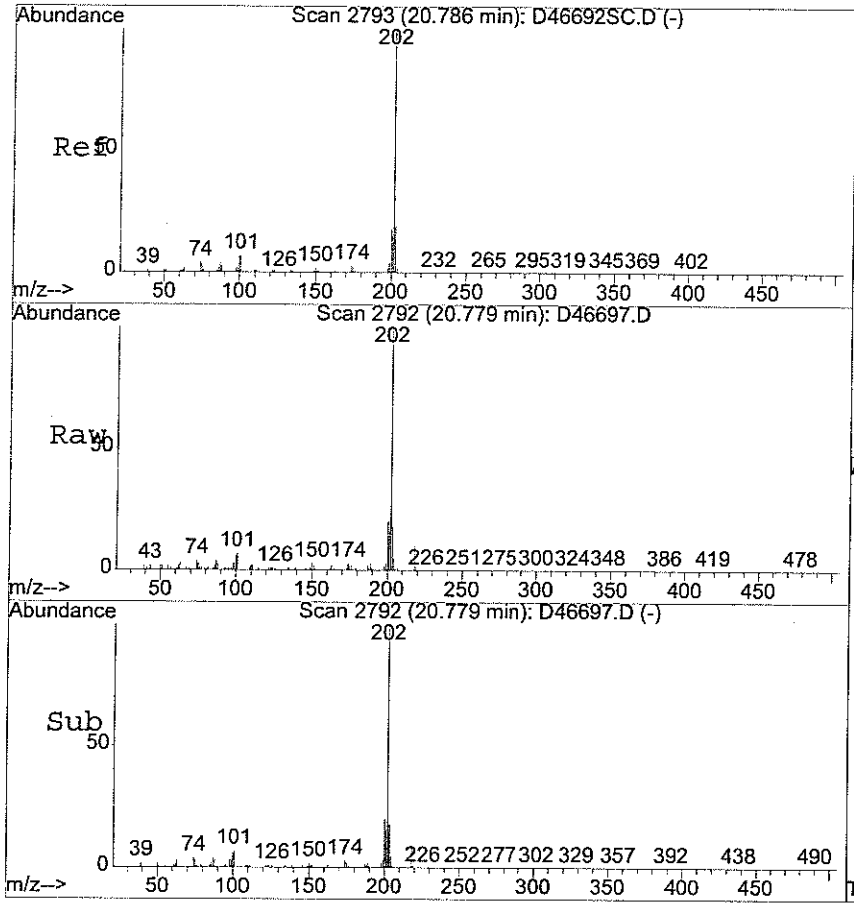


#70
Benzidine
Concen: Below Cal
RT: 20.64 min Scan# 2771
Delta R.T. 0.00 min
Lab File: D46697.D
Acq: 24 Mar 2006 7:07 am

Tgt Ion:184 Resp: 926

Ion	Ratio	Lower	Upper
184	100		
185	355.0	11.7	17.5#
92	0.0	3.9	5.9#

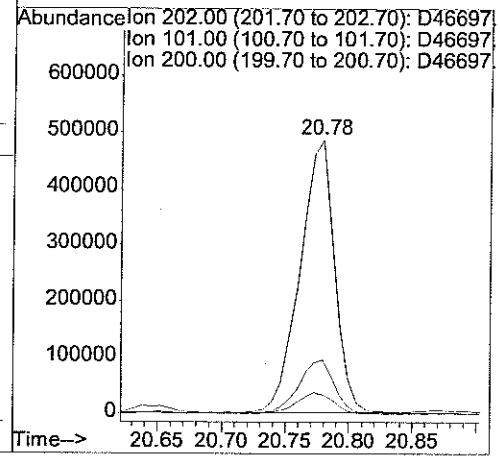


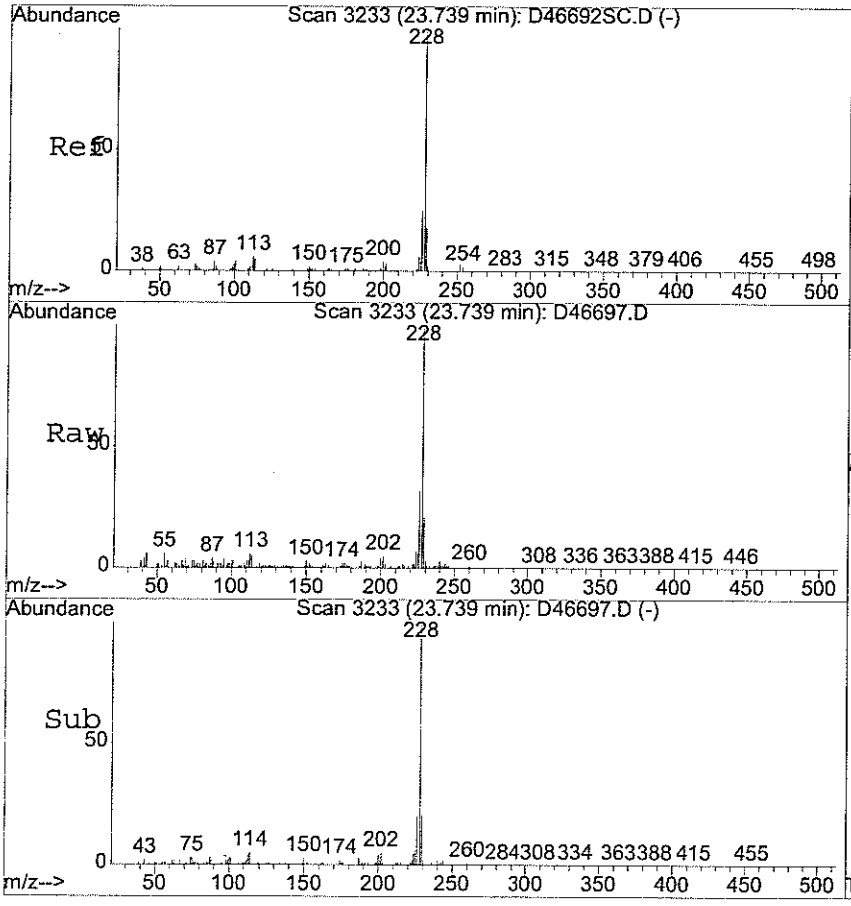


#72
Pyrene
Concen: 18.24 ug/ml
RT: 20.78 min Scan# 2792
Delta R.T. -0.01 min
Lab File: D46697.D
Acq: 24 Mar 2006 7:07 am

Tgt Ion:202 Resp: 925956

Ion	Ratio	Lower	Upper
202	100		
101	8.6	6.3	9.5
200	20.5	15.9	23.9

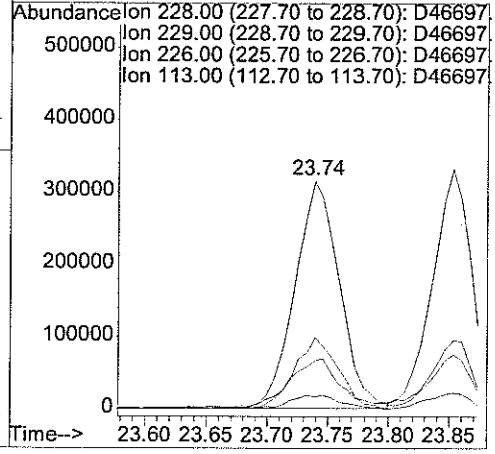


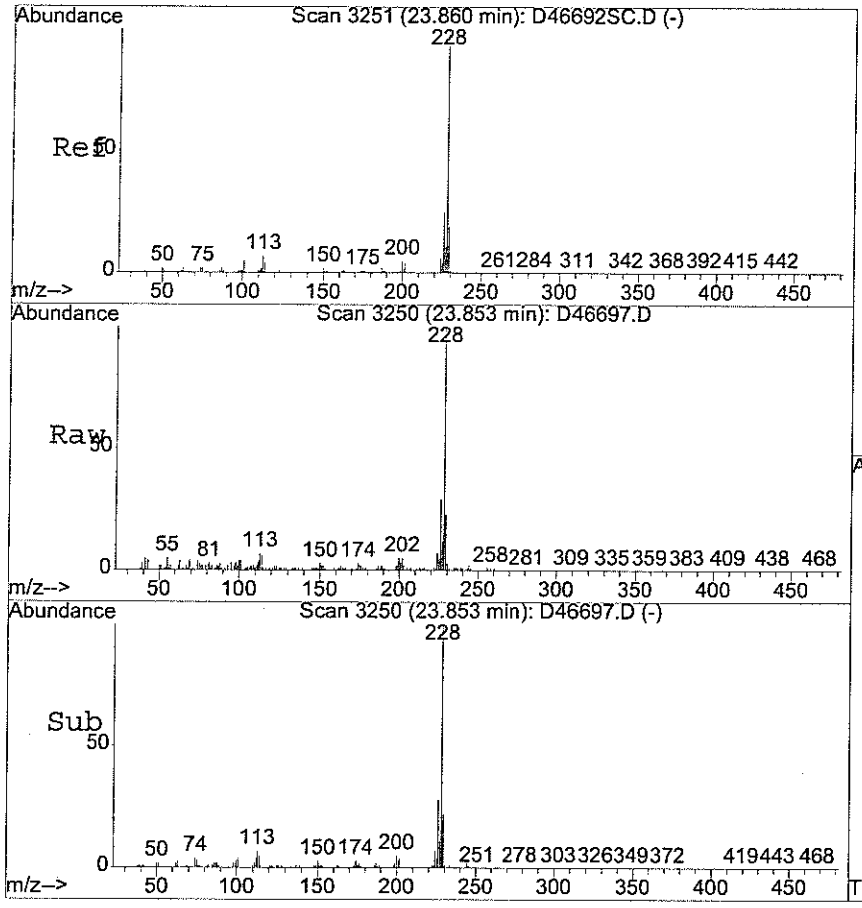


#75
Benzo[a]anthracene
Concen: 17.98 ug/ml
RT: 23.74 min Scan# 3233
Delta R.T. 0.00 min
Lab File: D46697.D
Acq: 24 Mar 2006 7:07 am

Tgt Ion:228 Resp: 808627

Ion	Ratio	Lower	Upper
228	100		
229	24.6	15.0	22.6#
226	31.9	21.0	31.6#
113	7.7	5.9	8.9

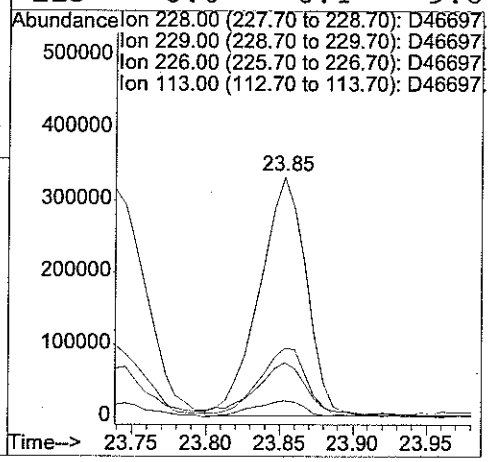


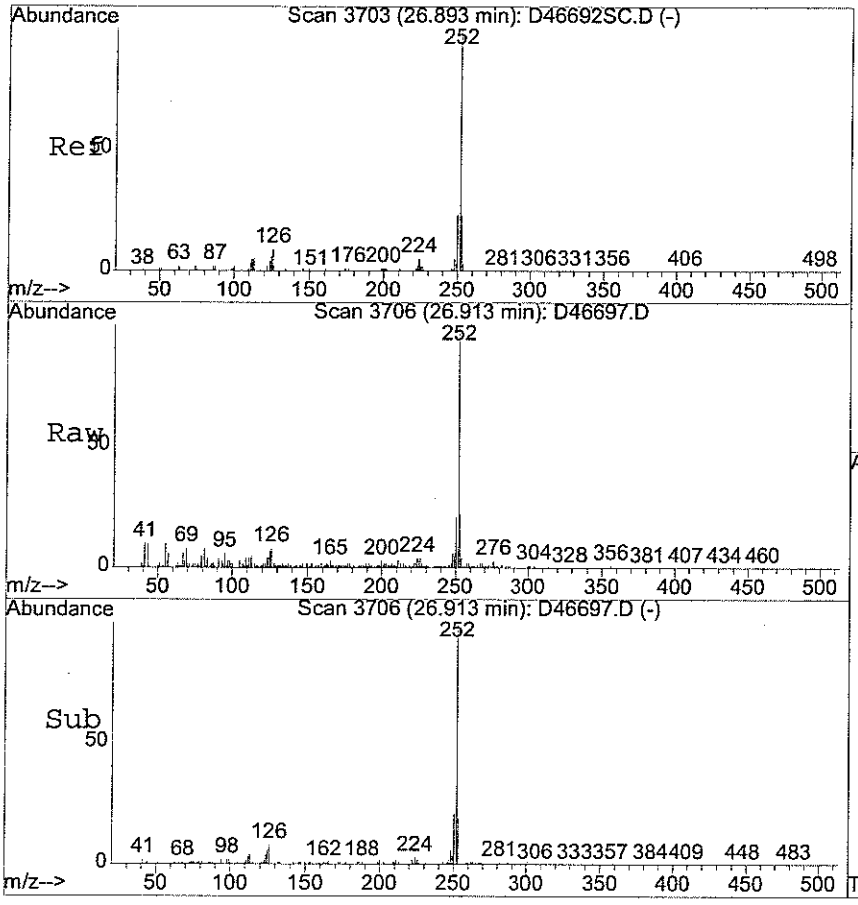


#76
Chrysene
Concen: 17.64 ug/ml
RT: 23.85 min Scan# 3250
Delta R.T. -0.01 min
Lab File: D46697.D
Acq: 24 Mar 2006 7:07 am

Tgt Ion:228 Resp: 731748

Ion	Ratio	Lower	Upper
228	100		
229	25.7	15.9	23.9#
226	29.3	21.8	32.6
113	8.0	6.4	9.6

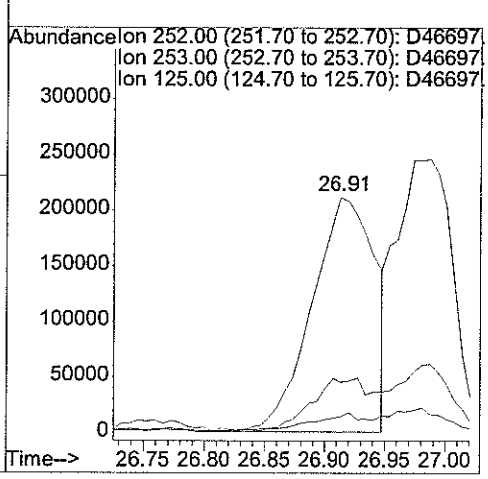


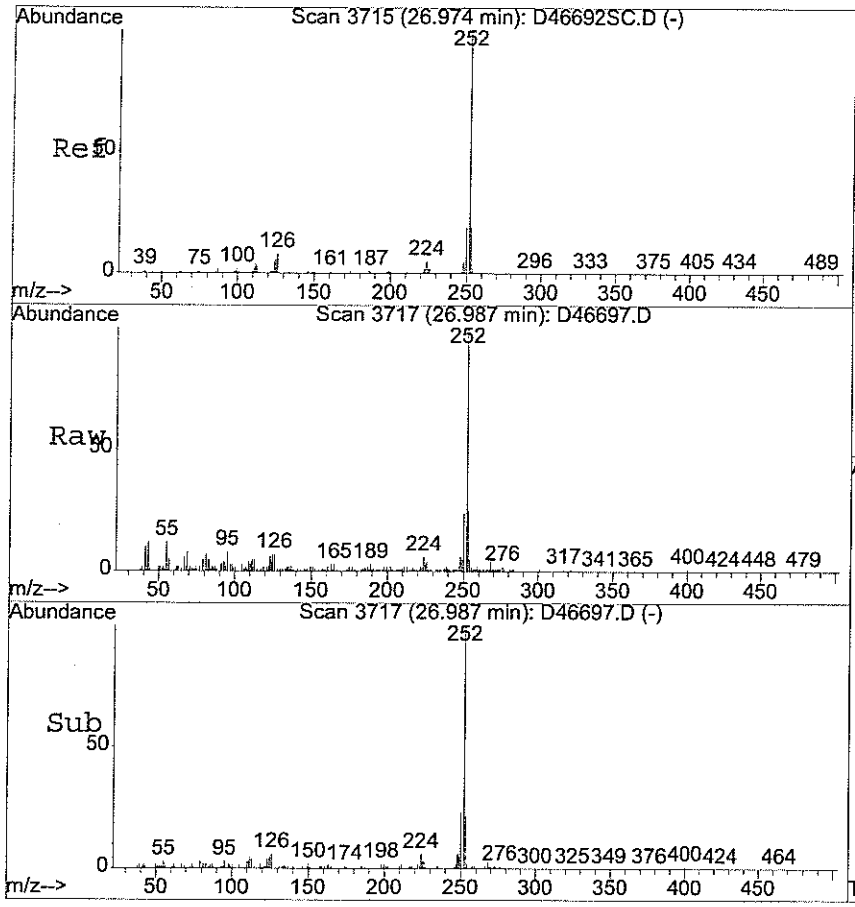


#81
Benzo[b] fluoranthene
Concen: 22.69 ug/ml
RT: 26.91 min Scan# 3706
Delta R.T. 0.02 min
Lab File: D46697.D
Acq: 24 Mar 2006 7:07 am

Tgt Ion:252 Resp: 762964

Ion	Ratio	Lower	Upper
252	100		
253	19.8	18.1	27.1
125	6.1	5.4	8.0

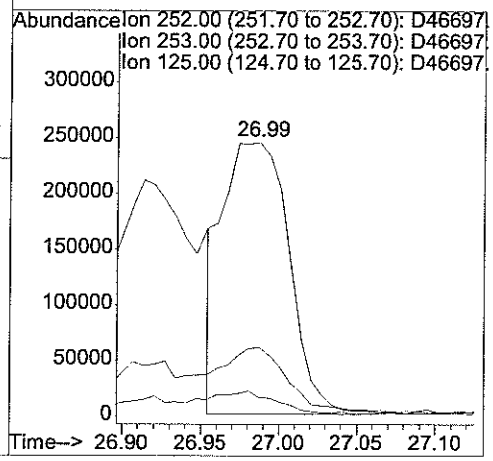


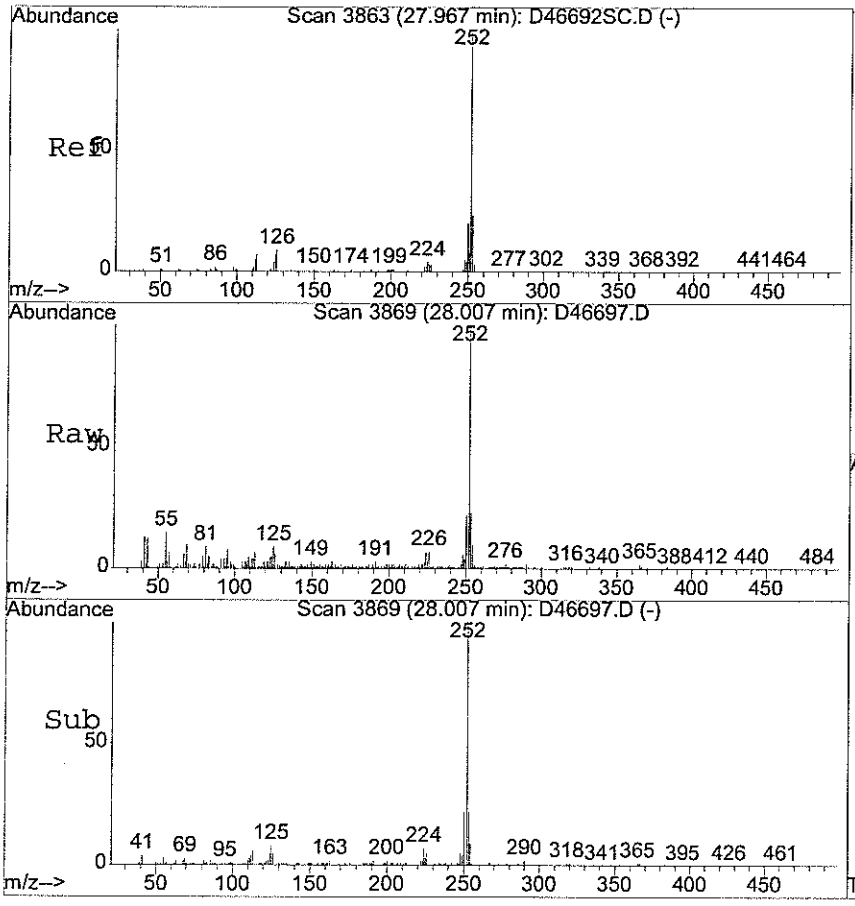


#82
Benzo[k] fluoranthene
Concen: 22.66 ug/ml
RT: 26.99 min Scan# 3717
Delta R.T. 0.01 min
Lab File: D46697.D
Acq: 24 Mar 2006 7:07 am

Tgt Ion:252 Resp: 725893

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.6	26.4
125	9.0	5.4	8.2#

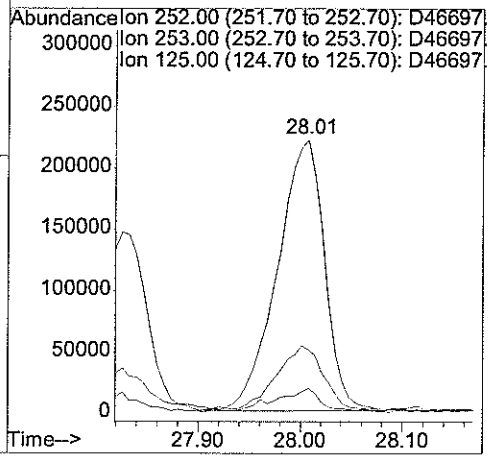




#83
Benzo[a] pyrene
Concen: 22.75 ug/ml
RT: 28.01 min Scan# 3869
Delta R.T. 0.04 min
Lab File: D46697.D
Acq: 24 Mar 2006 7:07 am

Tgt Ion:252 Resp: 715310

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.3	27.5
125	8.6	6.0	9.0



analytics environmental laboratory LLC

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800-929-9906

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100

March 24, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number: CTO1042

Field Sample ID: NSB-NLON-SITE7-CS-SL-SWS-01

SAMPLE DATA

Lab Sample ID:	56079-2
Matrix:	Solid
Percent Solid:	78
Dilution Factor:	1.2
Collection Date:	03/22/06
Lab Receipt Date:	03/22/06
Extraction Date:	03/23/06
Analysis Date:	03/23/06

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	310	U
Acenaphthylene	310	U
Acenaphthene	310	U
Fluorene	310	U
Phenanthrene	310	U
Anthracene	310	U
Fluoranthene	310	U
Pyrene	310	U
Benzo[a]anthracene	310	U
Chrysene	310	U
Benzo[b] fluoranthene	310	U
Benzo[k] fluoranthene	310	U
Benzo[a] pyrene	310	U
Dibenz [a,h] anthracene	310	U
Benzo(g,h,i) perylene	310	U
Indeno [1,2,3-cd] pyrene	310	U
2-Methylnaphthalene	310	U

Surrogate Standard Recovery

d5-nitrobenzene	83 %	2-Fluorobiphenyl	92 %	d14-p-terphenyl	89 %

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature Melissa Ball

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\032306-D\D46683.D Vial: 9
Acq On : 23 Mar 2006 7:43 pm Operator:
Sample : 56079-1 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 23 20:44 2006 Quant Results File: S03216.RES

Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Thu Mar 23 20:36:03 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	6.45	152	565447	40.00	ug/ml	-0.02
19) d8-Naphthalene	9.38	136	2042038	40.00	ug/ml	-0.03
35) d10-Acenaphthene	13.69	164	1139637	40.00	ug/ml	-0.03
61) d10-Phenanthrene	17.29	188	1806859	40.00	ug/ml	-0.03
71) d12-Chrysene	23.81	240	1410638	40.00	ug/ml	-0.03
79) d12-Perylene	28.24	264	1798306	40.00	ug/ml	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	3.99	112	852406	54.12	ug/ml	-0.03
Spiked Amount 75.000	Range 29 - 97		Recovery = 72.16%			
5) d5-Phenol	5.80	99	1146913	61.40	ug/ml	-0.03
Spiked Amount 75.000	Range 40 - 120		Recovery = 81.87%			
20) d5-nitrobenzene	7.77	82	1080052	41.50	ug/ml	-0.03
Spiked Amount 50.000	Range 20 - 101		Recovery = 83.00%			
39) 2-Fluorobiphenyl	12.07	172	1774123	45.81	ug/ml	-0.03
Spiked Amount 50.000	Range 34 - 102		Recovery = 91.62%			
60) 2,4,6-Tribromophenol	15.67	330	495797	66.45	ug/ml	-0.03
Spiked Amount 75.000	Range 36 - 141		Recovery = 88.60%			
73) d14-p-terphenyl	21.25	244	1478633	44.67	ug/ml	-0.03
Spiked Amount 50.000	Range 38 - 108		Recovery = 89.34%			

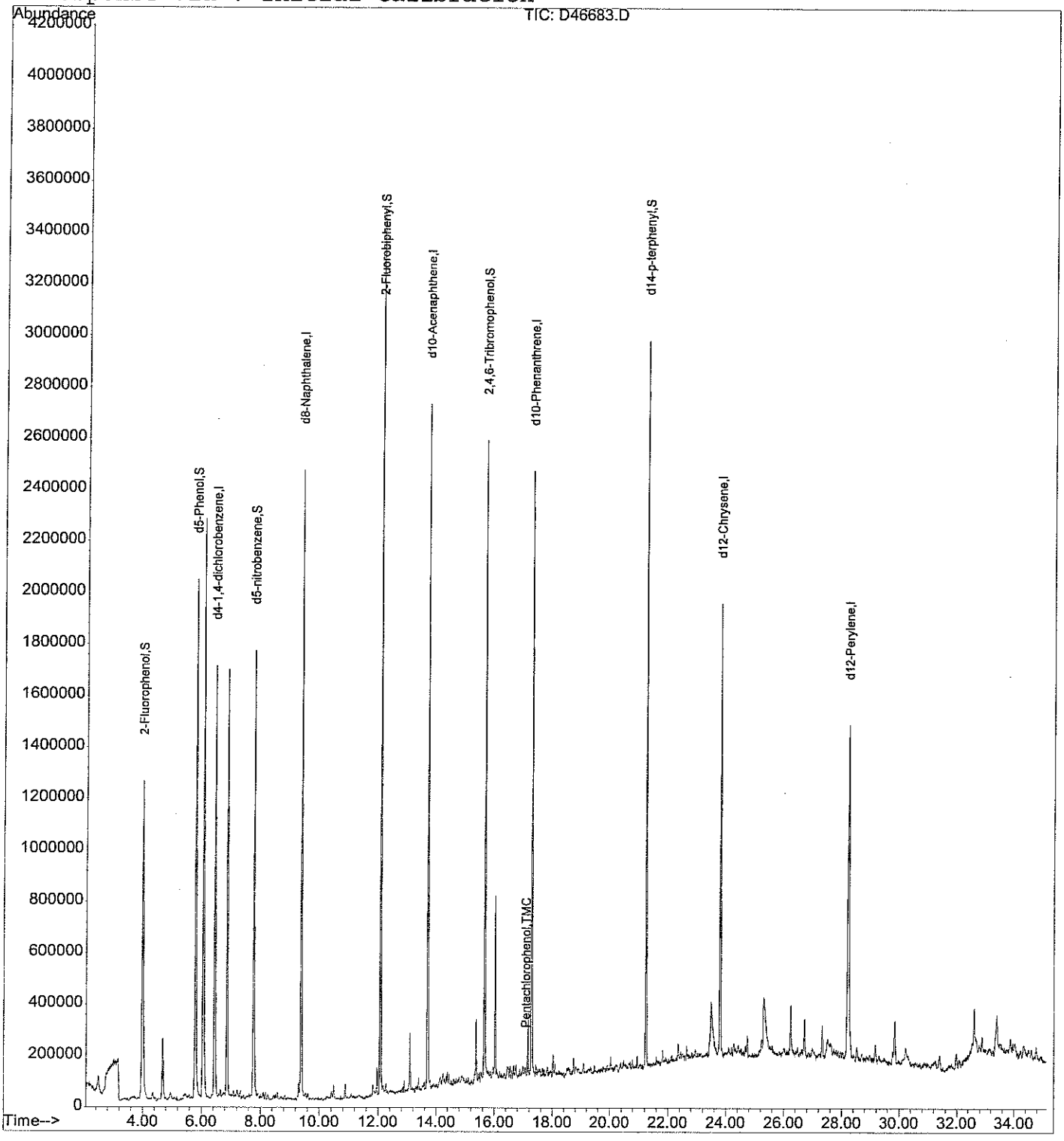
Target Compounds						Qvalue
64) Pentachlorophenol	17.08	266	285	4.20	ug/ml	# 63
70) Benzidine	20.68	184	815	Below Cal		# 1
84) Indeno [1,2,3-cd] pyrene	32.26	276	575	Below Cal		# 1

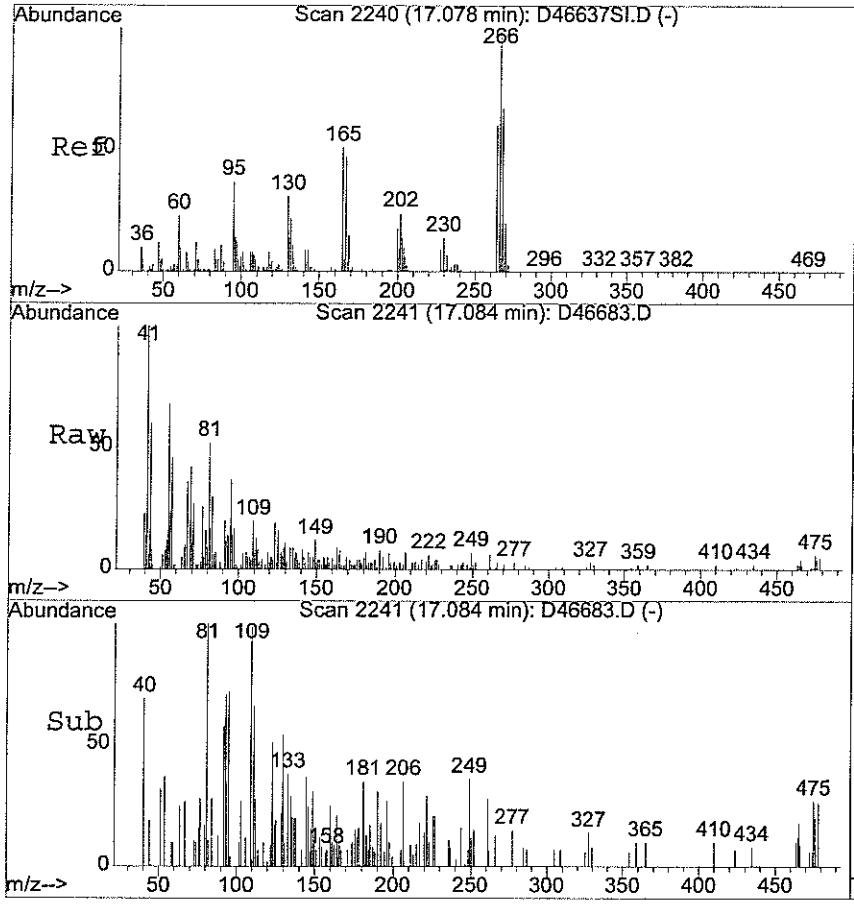
(#) = qualifier out of range (m) = manual integration
D46683.D S03216.M Thu Mar 23 20:44:38 2006 Page 1

Quantitation Report

Data File : D:\HPCHEM\1\DATA\032306-D\D46683.D Vial: 9
Acq On : 23 Mar 2006 7:43 pm Operator:
Sample : 56079-12932406 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 23 20:44 2006 Quant Results File: S03216.RES

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Thu Mar 23 20:36:03 2006
Response via : Initial Calibration

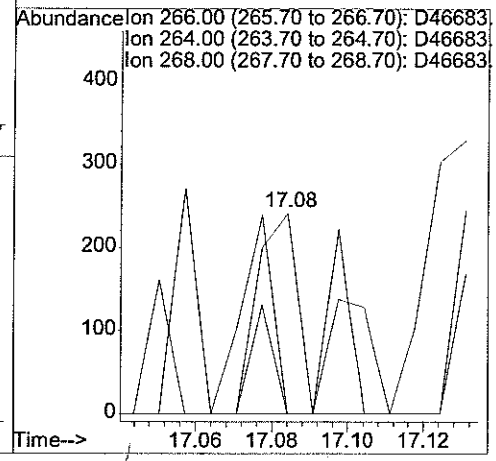


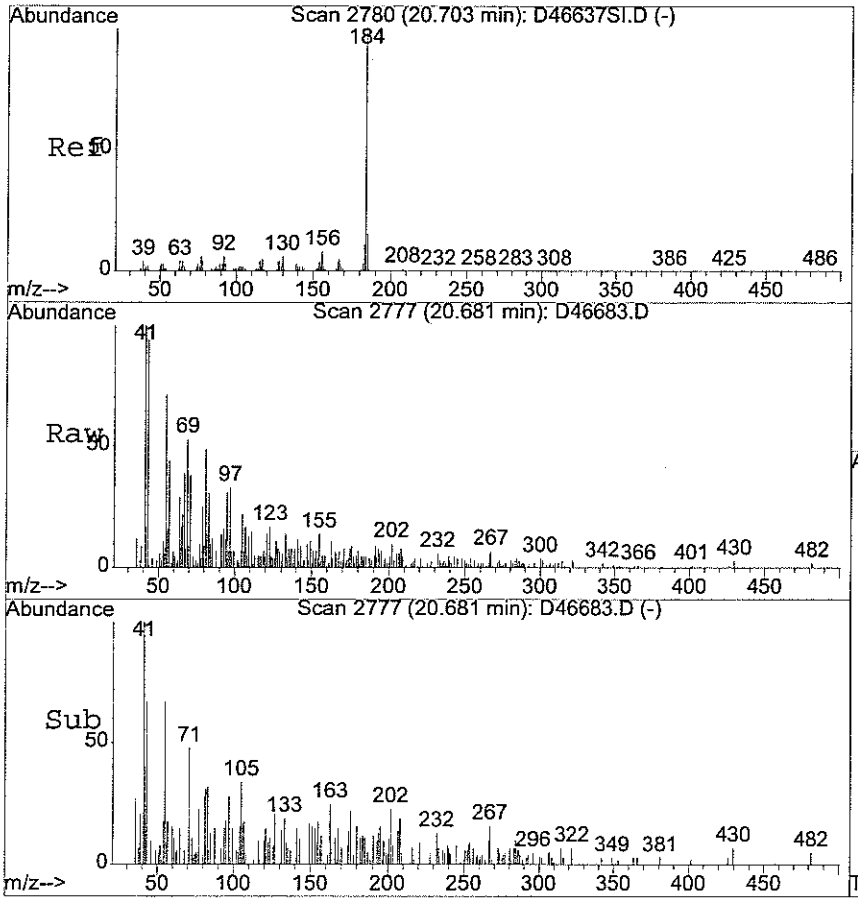


#64
Pentachlorophenol
Concen: 4.20 ug/ml
RT: 17.08 min Scan# 2241
Delta R.T. 0.03 min
Lab File: D46683.D
Acq: 23 Mar 2006 7:43 pm

Tgt Ion:266 Resp: 285

Ion	Ratio	Lower	Upper
266	100		
264	18.6	49.5	74.3#
268	48.1	49.6	74.4#

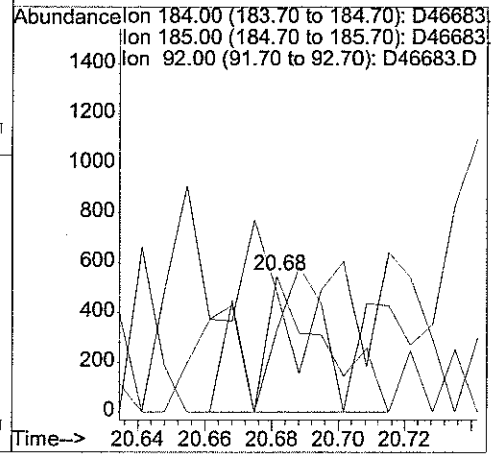




#70
Benzidine
Concen: Below Cal
RT: 20.68 min Scan# 2777
Delta R.T. 0.01 min
Lab File: D46683.D
Acq: 23 Mar 2006 7:43 pm

Tgt Ion:184 Resp: 815

Ion	Ratio	Lower	Upper
184	100		
185	69.7	10.3	15.5#
92	66.4	3.4	5.0#



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Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100

March 24, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number: CTO1042

Field Sample ID: NSB-NLON-SITE7-CS-SL-SWW-01-032206-01

SAMPLE DATA

Lab Sample ID:	56079-3
Matrix:	Solid
Percent Solid:	86
Dilution Factor:	1.2
Collection Date:	03/22/06
Lab Receipt Date:	03/22/06
Extraction Date:	03/23/06
Analysis Date:	03/24/06

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	290	U
Acenaphthylene	290	**257 J**
Acenaphthene	290	U
Fluorene	290	U
Phenanthrene	290	U
Anthracene	290	U
Fluoranthene	290	**714**
Pyrene	290	**841**
Benzo[a]anthracene	290	**753**
Chrysene	290	**745**
Benzo[b] fluoranthene	290	**869**
Benzo[k] fluoranthene	290	**806**
Benzo[a] pyrene	290	**966**
Dibenz [a,h] anthracene	290	U
Benzo(g,h,i) perylene	290	U
Indeno [1,2,3-cd] pyrene	290	**191 J**
2-Methylnaphthalene	290	U

Surrogate Standard Recovery

d5-nitrobenzene	82 %	2-Fluorobiphenyl	87 %	d14-p-terphenyl	82 %

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature Melissa Hall

PAH Report

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\032306-D\D46698.D Vial: 8
Acq On : 24 Mar 2006 7:40 am Operator:
Sample : 56079-3 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 24 8:22 2006 Quant Results File: S03216.RES

Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Fri Mar 24 02:32:57 2006
Response via : Initial Calibration
DataAcq Meth : ABN

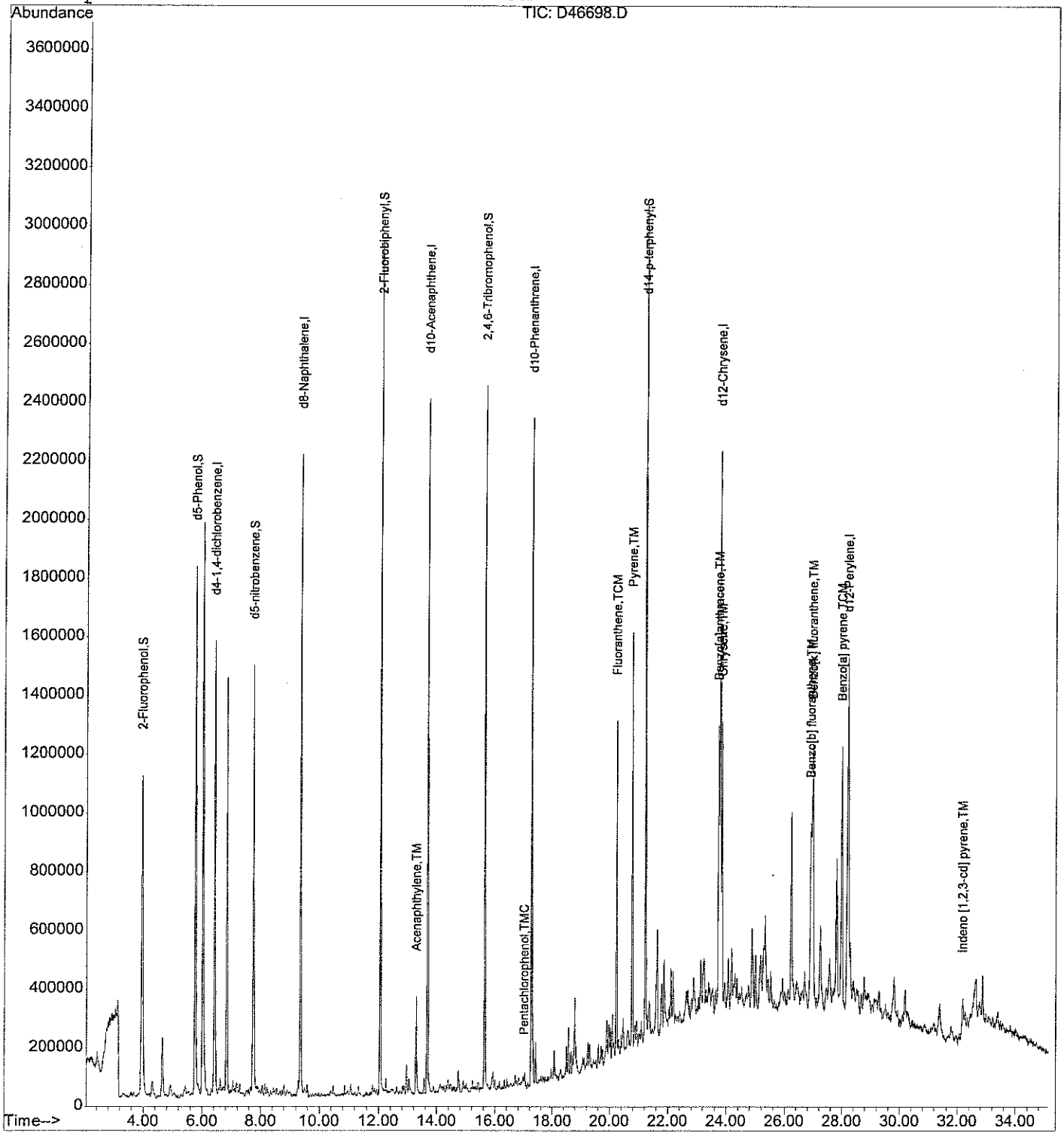
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	6.42	152	490997	40.00	ug/ml	-0.02
19) d8-Naphthalene	9.36	136	1756083	40.00	ug/ml	-0.01
35) d10-Acenaphthene	13.67	164	1026035	40.00	ug/ml	-0.01
61) d10-Phenanthrene	17.26	188	1777717	40.00	ug/ml	-0.01
71) d12-Chrysene	23.79	240	1575995	40.00	ug/ml	0.00
79) d12-Perylene	28.22	264	1503007	40.00	ug/ml	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	3.95	112	706951	51.69	ug/ml	-0.02
Spiked Amount 75.000	Range 29 - 97		Recovery = 68.92%			
5) d5-Phenol	5.76	99	983644	60.64	ug/ml	-0.02
Spiked Amount 75.000	Range 40 - 120		Recovery = 80.85%			
20) d5-nitrobenzene	7.74	82	912989	40.80	ug/ml	-0.02
Spiked Amount 50.000	Range 20 - 101		Recovery = 81.60%			
39) 2-Fluorobiphenyl	12.05	172	1511491	43.35	ug/ml	-0.01
Spiked Amount 50.000	Range 34 - 102		Recovery = 86.70%			
60) 2,4,6-Tribromophenol	15.64	330	512643	75.61	ug/ml	-0.01
Spiked Amount 75.000	Range 36 - 141		Recovery = 100.81%			
73) d14-p-terphenyl	21.23	244	1511560	40.87	ug/ml	0.00
Spiked Amount 50.000	Range 38 - 108		Recovery = 81.74%			
Target Compounds						Qvalue
44) Acenaphthylene	13.28	152	305114 J	6.66	ug/ml	97
64) Pentachlorophenol	17.00	266	52	~~4.18~~	ug/ml#	1
69) Fluoranthene	20.24	202	882129	18.47	ug/ml	100
70) Benzidine	20.62	184	188	~~Below~~ Cal	#	1
72) Pyrene	20.78	202	1056040	21.76	ug/ml	99
75) Benzo[a]anthracene	23.74	228	837323	19.48	ug/ml#	89
76) Chrysene	23.85	228	764776	19.29	ug/ml	96
81) Benzo[b] fluoranthene	26.91	252	973576	22.49	ug/ml#	83
82) Benzo[k] fluoranthene	26.98	252	860377	20.86	ug/ml	99
83) Benzo[a] pyrene	27.99	252	1011462	24.99	ug/ml	98
84) Indeno [1,2,3-cd] pyrene	32.17	276	184178 J	4.93	ug/ml#	92

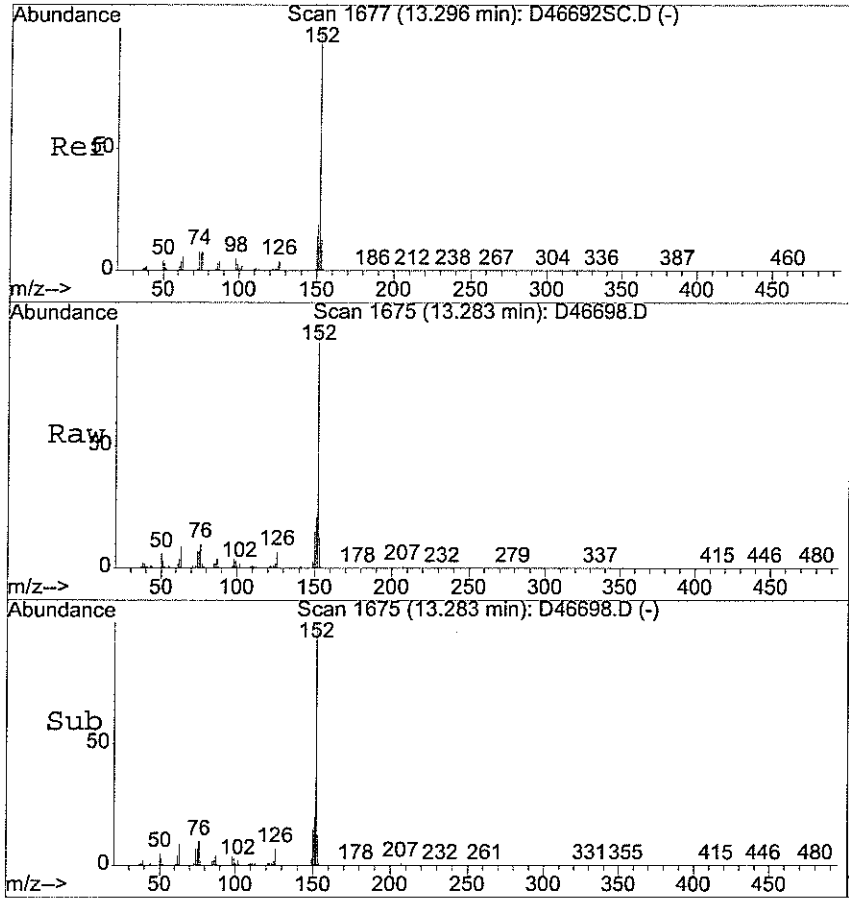
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\032306-D\D46698.D Vial: 8
Acq On : 24 Mar 2006 7:40 am Operator:
Sample : 56079-3 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 24 8:22 2006 Quant Results File: S03216.RES

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Fri Mar 24 02:32:57 2006
Response via : Initial Calibration

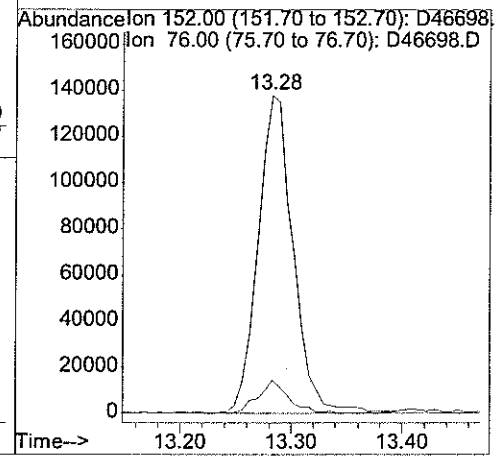


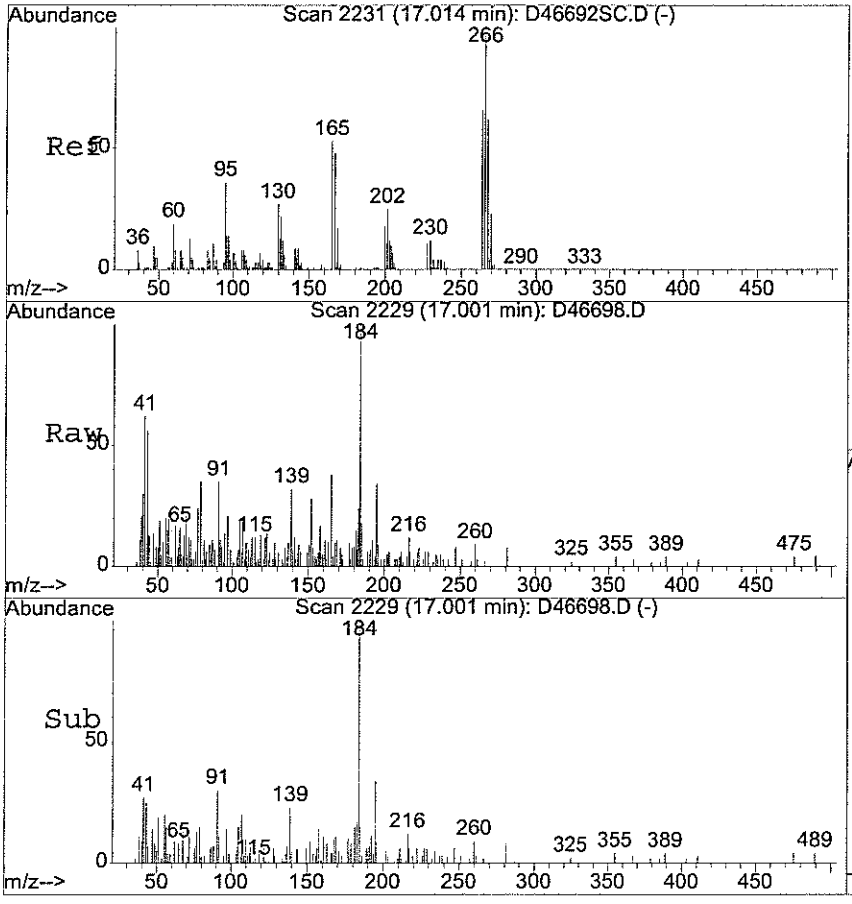


#44
Acenaphthylene
Concen: 6.66 ug/ml
RT: 13.28 min Scan# 1675
Delta R.T. -0.01 min
Lab File: D46698.D
Acq: 24 Mar 2006 7:40 am

Tgt Ion:152 Resp: 305114

Ion	Ratio	Lower	Upper
152	100		
76	9.3	6.6	10.0

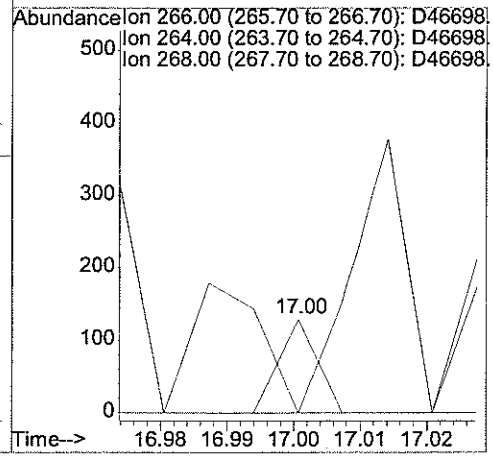


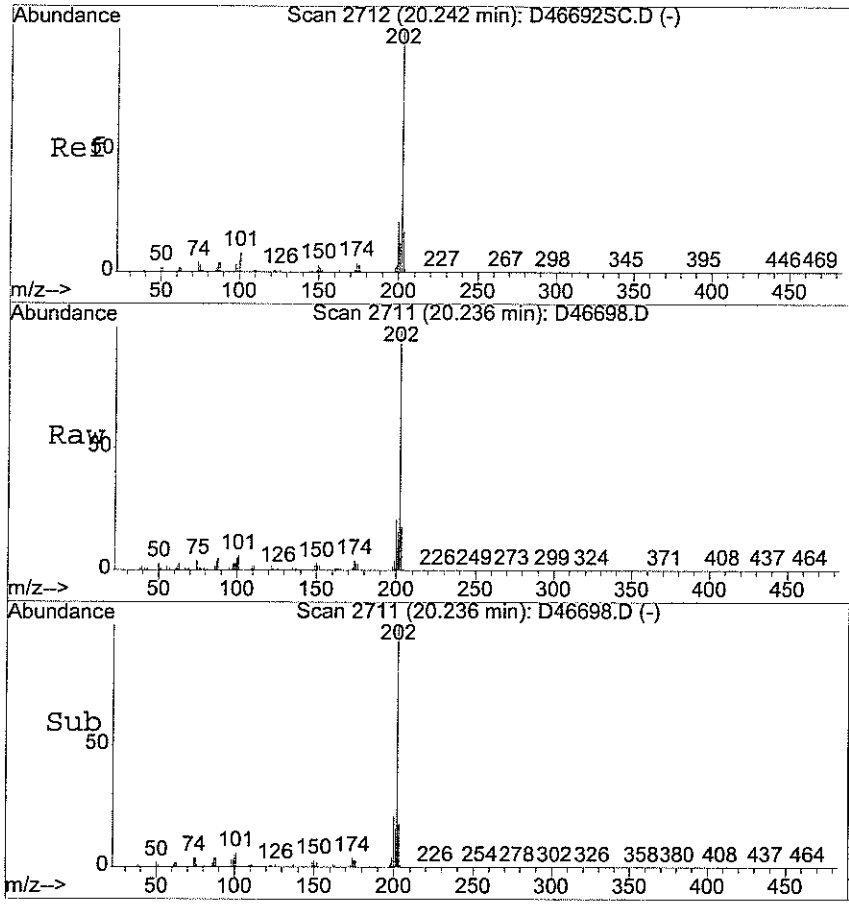


#64
Pentachlorophenol
Concen: 4.18 ug/ml
RT: 17.00 min Scan# 2229
Delta R.T. -0.01 min
Lab File: D46698.D
Acq: 24 Mar 2006 7:40 am

Tgt Ion:266 Resp: 52

Ion	Ratio	Lower	Upper
266	100		
264	711.5	47.4	71.2#
268	0.0	47.9	71.9#

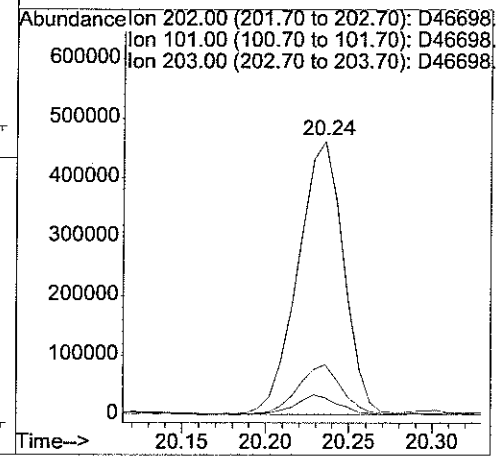


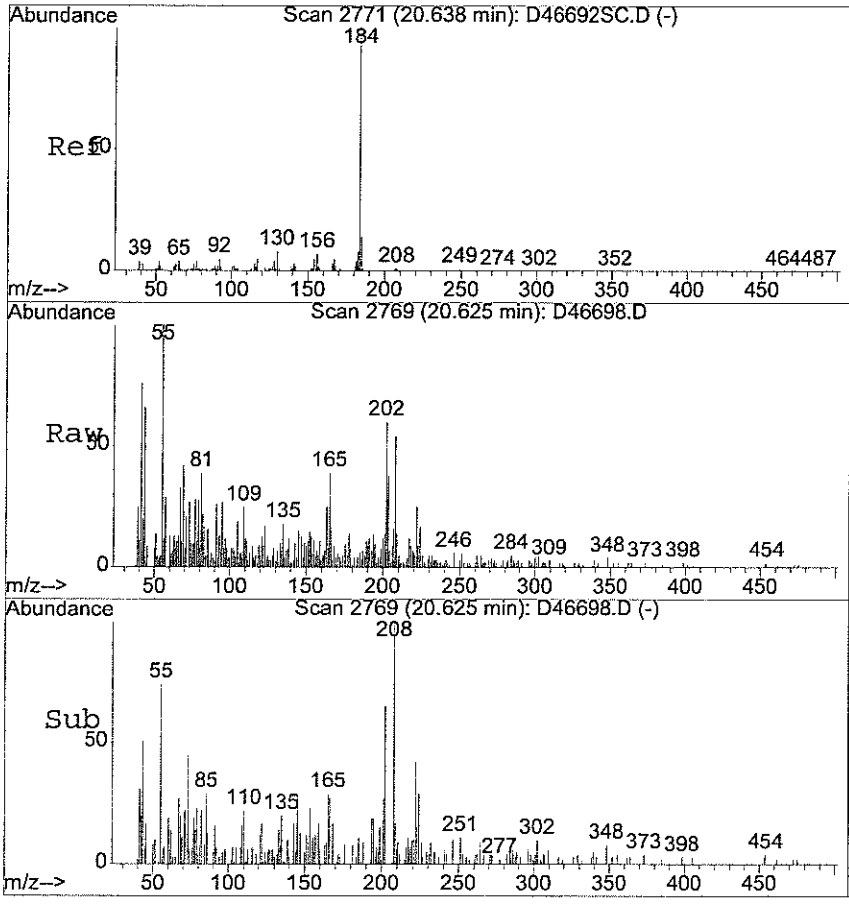


#69
Fluoranthene
Concen: 18.47 ug/ml
RT: 20.24 min Scan# 2711
Delta R.T. -0.01 min
Lab File: D46698.D
Acq: 24 Mar 2006 7:40 am

Tgt Ion:202 Resp: 882129

Ion	Ratio	Lower	Upper
202	100		
101	6.9	5.6	8.4
203	17.3	13.8	20.8

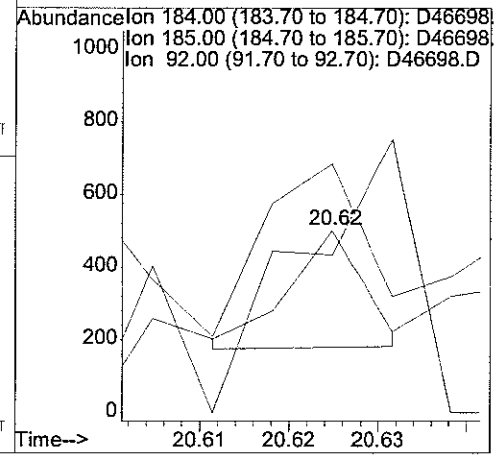


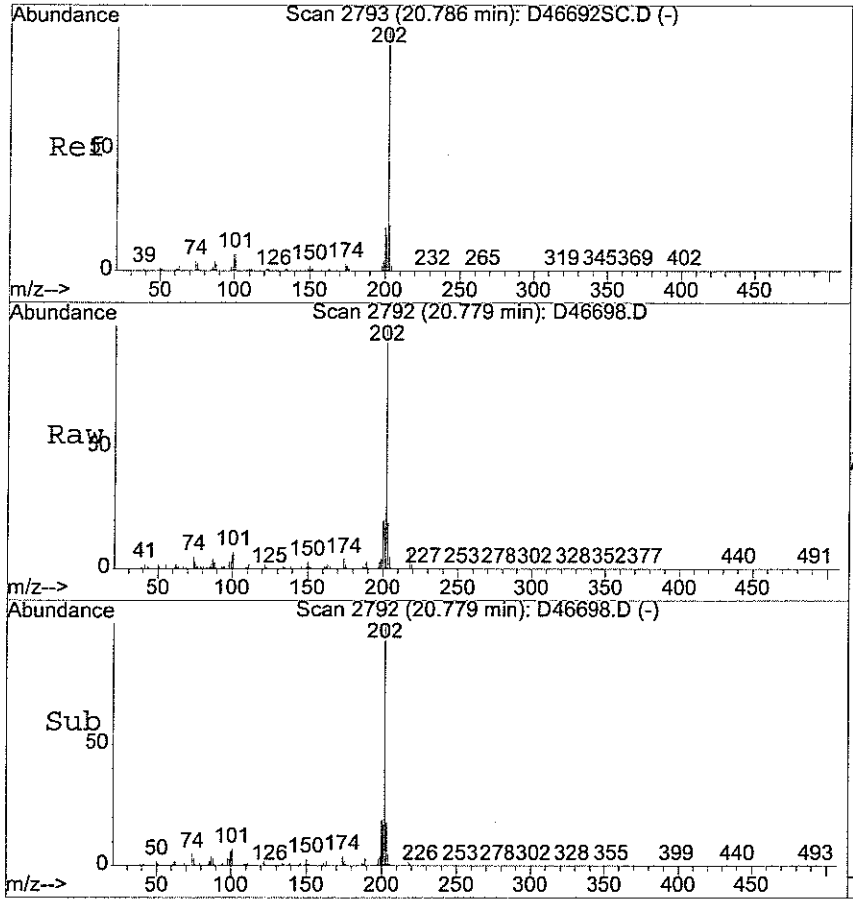


#70
Benzidine
Concen: Below Cal
RT: 20.62 min Scan# 2769
Delta R.T. -0.01 min
Lab File: D46698.D
Acq: 24 Mar 2006 7:40 am

Tgt Ion:184 Resp: 188

Ion	Ratio	Lower	Upper
184	100		
185	522.3	11.7	17.5#
92	348.9	3.9	5.9#

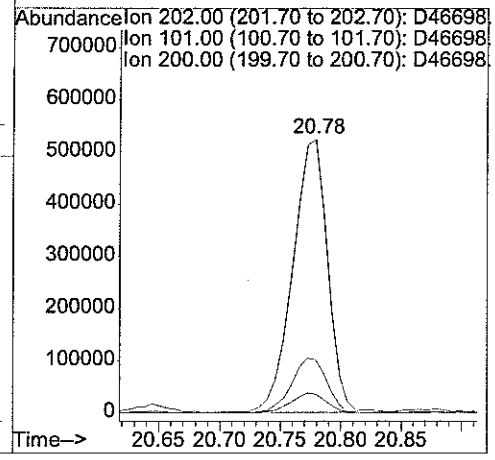


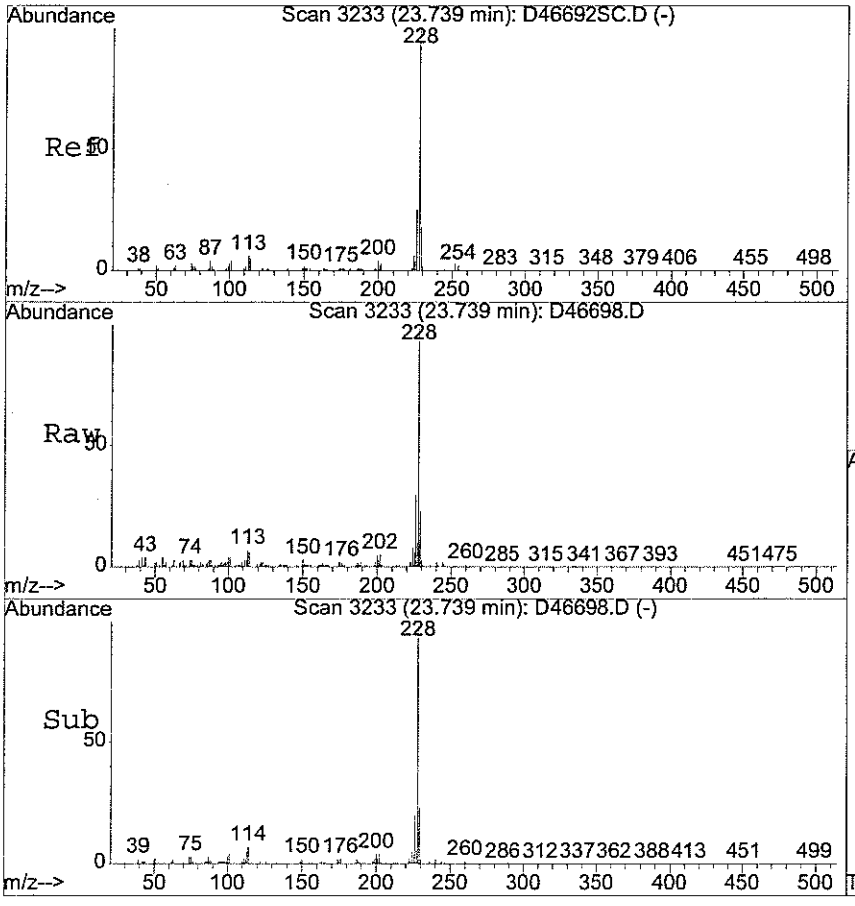


#72
Pyrene
Concen: 21.76 ug/ml
RT: 20.78 min Scan# 2792
Delta R.T. -0.01 min
Lab File: D46698.D
Acq: 24 Mar 2006 7:40 am

Tgt Ion:202 Resp: 1056040

Ion	Ratio	Lower	Upper
202	100		
101	7.7	6.3	9.5
200	20.4	15.9	23.9

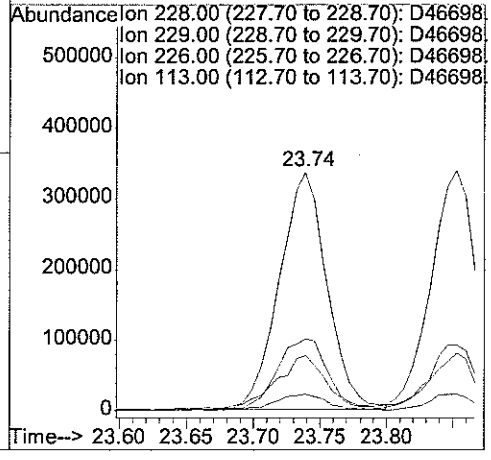


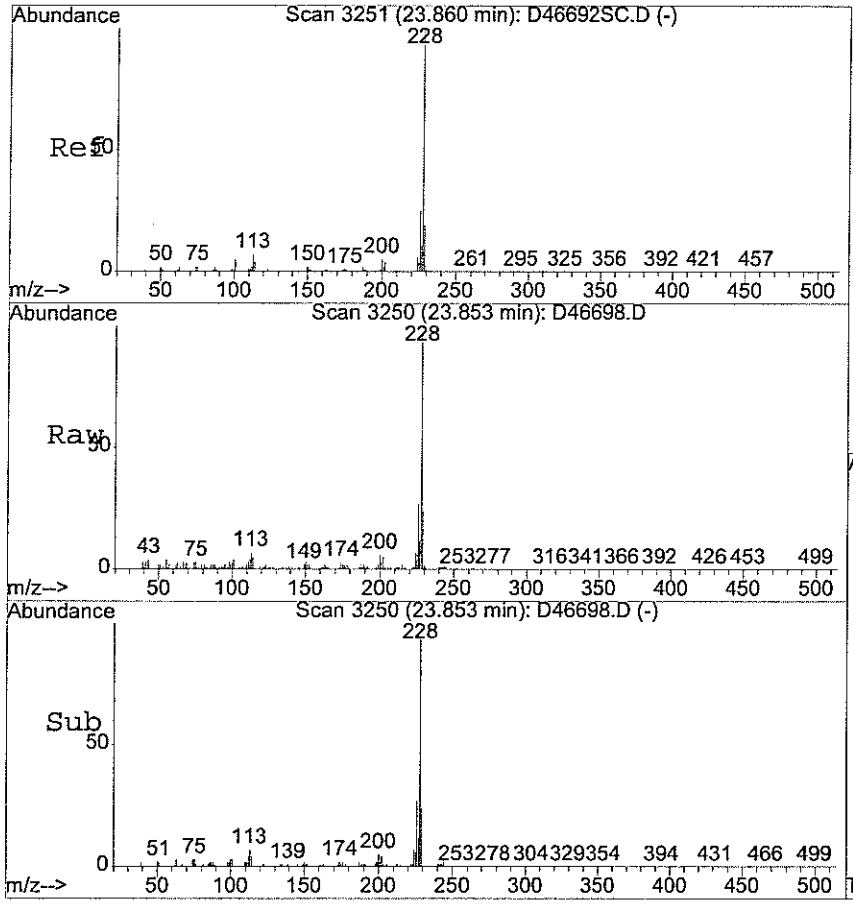


#75
Benzo[a]anthracene
Concen: 19.48 ug/ml
RT: 23.74 min Scan# 3233
Delta R.T. 0.00 min
Lab File: D46698.D
Acq: 24 Mar 2006 7:40 am

Tgt Ion:228 Resp: 837323

Ion	Ratio	Lower	Upper
228	100		
229	24.9	15.0	22.6#
226	32.4	21.0	31.6#
113	8.1	5.9	8.9

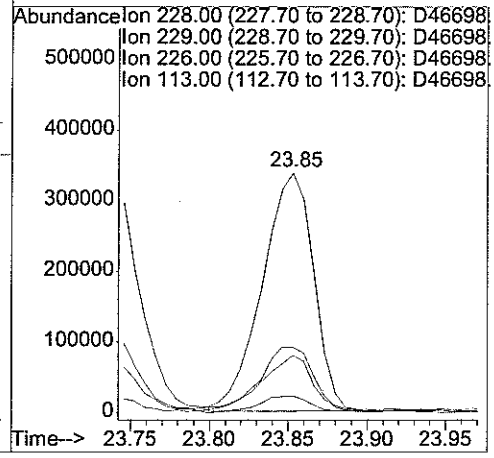


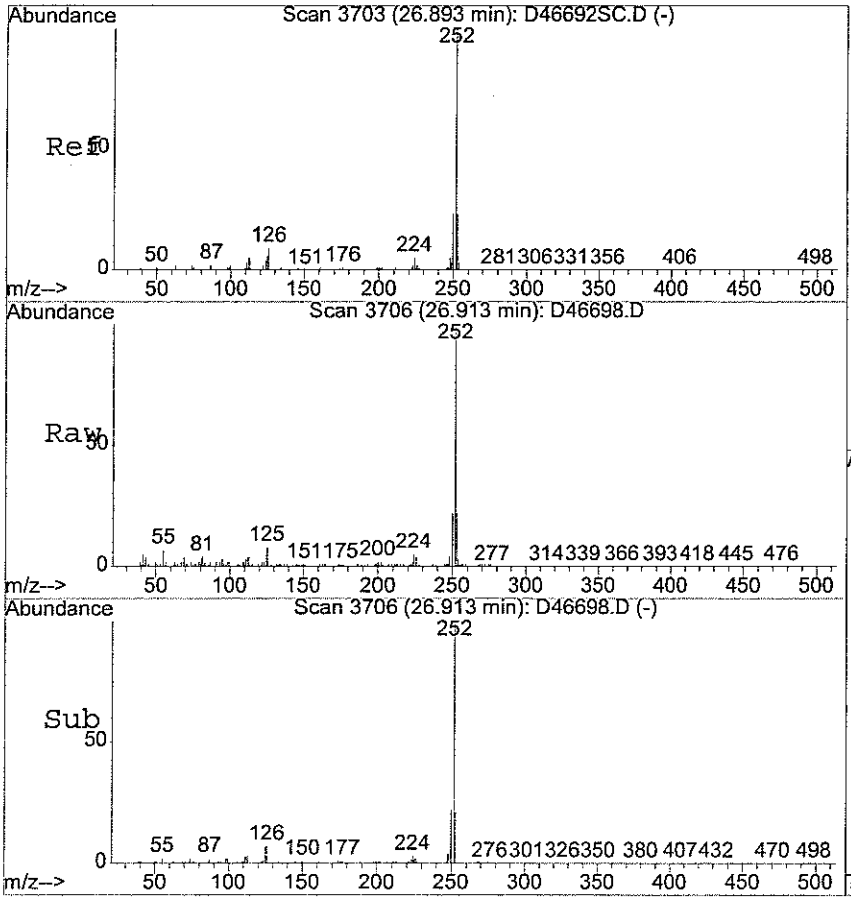


#76
Chrysene
Concen: 19.29 ug/ml
RT: 23.85 min Scan# 3250
Delta R.T. -0.01 min
Lab File: D46698.D
Acq: 24 Mar 2006 7:40 am

Tgt Ion:228 Resp: 764776

Ion	Ratio	Lower	Upper
228	100		
229	22.1	15.9	23.9
226	29.2	21.8	32.6
113	7.6	6.4	9.6

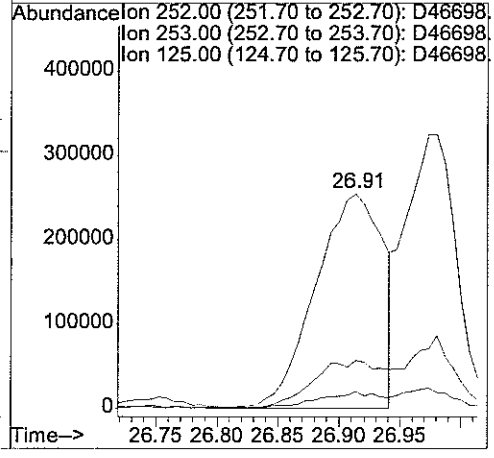


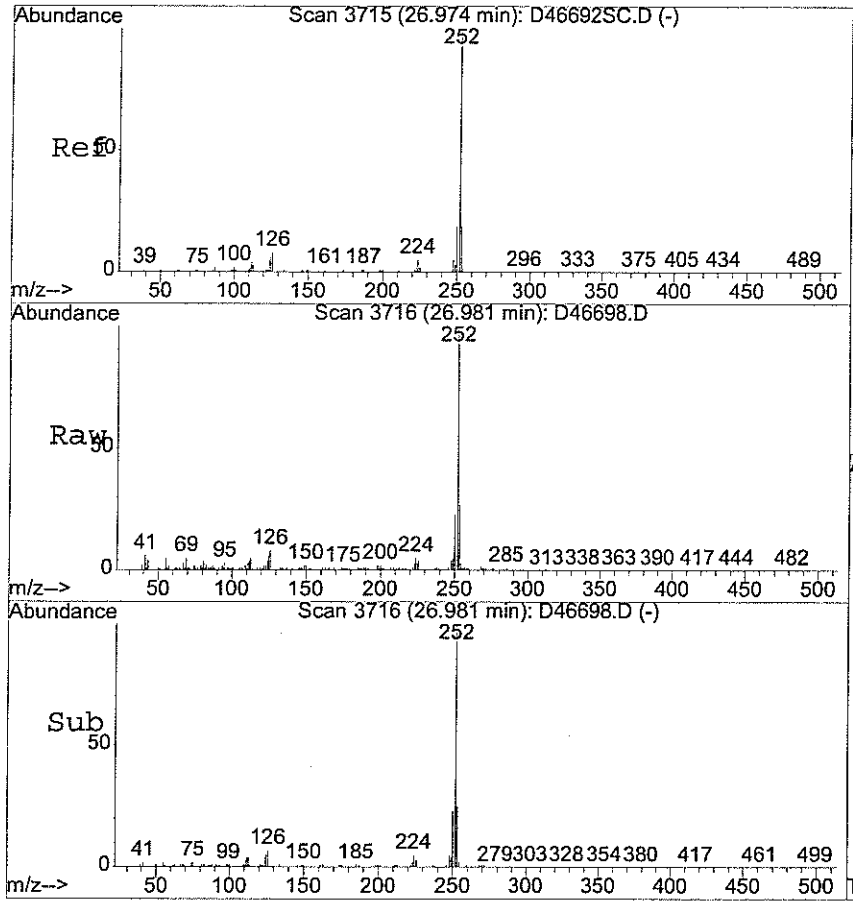


#81
Benzo[b] fluoranthene
Concen: 22.49 ug/ml
RT: 26.91 min Scan# 3706
Delta R.T. 0.02 min
Lab File: D46698.D
Acq: 24 Mar 2006 7:40 am

Tgt Ion:252 Resp: 973576

Ion	Ratio	Lower	Upper
252	100		
253	12.2	18.1	27.1#
125	6.5	5.4	8.0

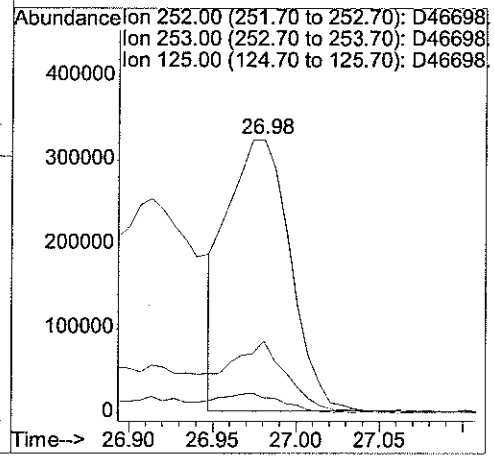


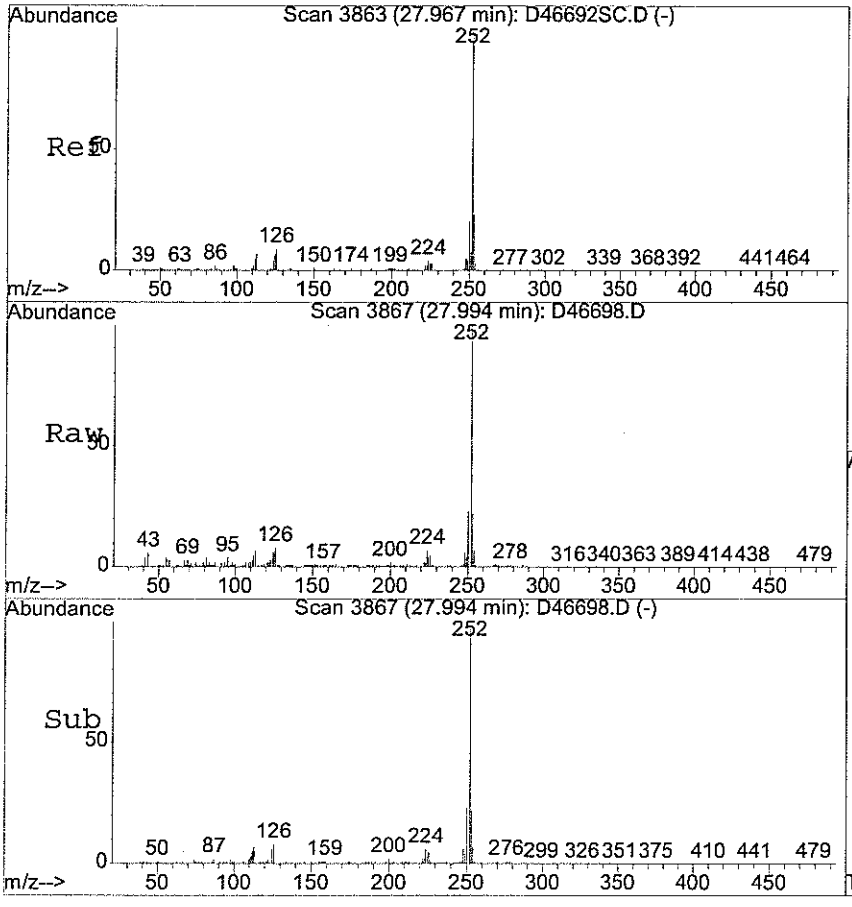


#82
Benzo[k] fluoranthene
Concen: 20.86 ug/ml
RT: 26.98 min Scan# 3716
Delta R.T. 0.01 min
Lab File: D46698.D
Acq: 24 Mar 2006 7:40 am

Tgt Ion:252 Resp: 860377

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	7.5	5.4	8.2

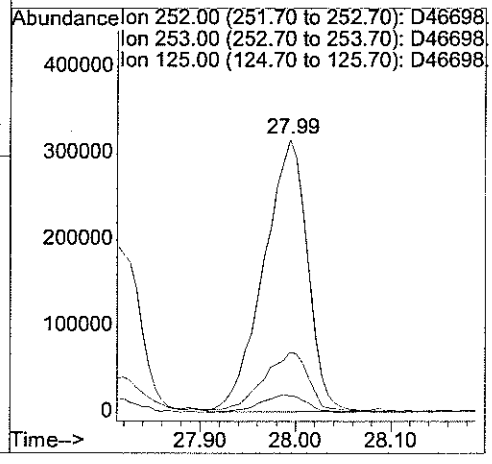


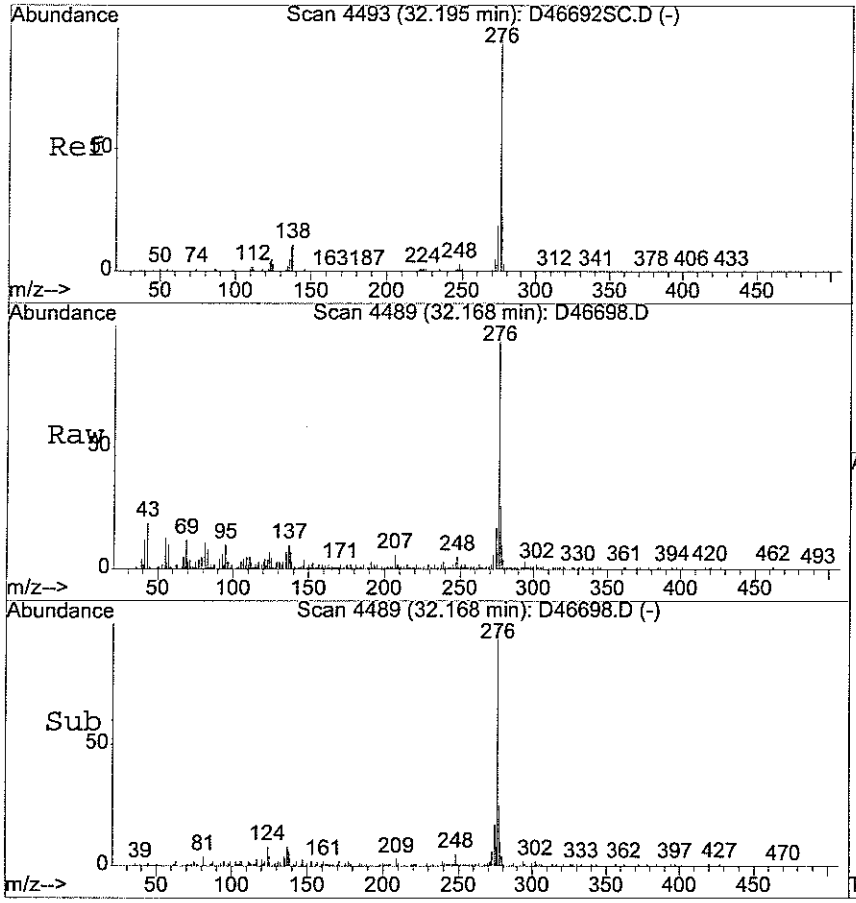


#83
Benzo[a] pyrene
Concen: 24.99 ug/ml
RT: 27.99 min Scan# 3867
Delta R.T. 0.03 min
Lab File: D46698.D
Acq: 24 Mar 2006 7:40 am

Tgt Ion:252 Resp: 1011462

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.3	27.5
125	6.7	6.0	9.0

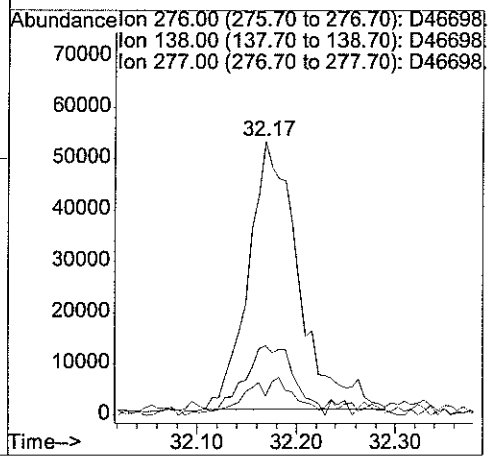




#84
Indeno [1,2,3-cd] pyrene
Concen: 4.93 ug/ml
RT: 32.17 min Scan# 4489
Delta R.T. -0.03 min
Lab File: D46698.D
Acq: 24 Mar 2006 7:40 am

Tgt Ion:276 Resp: 184178

Ion	Ratio	Lower	Upper
276	100		
138	5.1	10.0	15.0#
277	26.6	20.2	30.4



analytics environmental laboratory LLC

SEMI-VOLATILE
QC FORMS

analytics environmental laboratory LLC

SEMI-VOLATILE ORGANIC SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Project #: CTO 1042 Quote #: SDG#: 56079

DFTPP File ID: D46633T.D Site ID: Subbase Groton Site 7 Location: CT

Instrument ID: D DFTPP Injection Date: 3/21/06

GC Column: RTX-5MS ID: 0.25(mm) DFTPP Injection Time: 2311

	SAMPLE ID	SMC1 #	SMC 2 #	SMC 3 #	SMC 4 #	SMC 5 #	SMC 6 #	TOT OUT
01	S6726 PT1 2/4	NA	NA	NA	NA	NA	NA	0
02	S6725 PT2A 4/8	NA	NA	NA	NA	NA	NA	0
03	S6724 PT2 10/20	NA	NA	NA	NA	NA	NA	0
04	S6723 PT3 20/40	54	54	81	80	56	80	0
05	S6722 PT4A 40/80	NA	NA	NA	NA	NA	NA	0
06	S6721 PT4 50/100	NA	NA	NA	NA	NA	NA	0
07	S6720 PT5 100/200	NA	NA	NA	NA	NA	NA	0
08	S6703 ABN CC 20/40	56	43	81	82	82	74	0
09	S6690 BENZIDINES + ANILINES	NA	NA	NA	NA	NA	NA	0
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								

	QC LIMITS
SMC1 = 2-Fluorophenol	29-97 %
SMC2 = d5-Phenol	40-120 %
SMC3 = d5-Nitrobenzene	20-101%
SMC4 = 2-Fluorobiphenyl	34-102 %
SMC5 = 2,4,6-Tribromophenol	36-141 %
SMC6 = d14-p-Terphenyl	38-108%

Column to be used to flag recovery values

* Values outside of protocol required QC limits

D System Monitoring Compound diluted out

analytics environmental laboratory LLC

SEMI-VOLATILE ORGANIC SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Project #: CTO 1042 Quote #: NA SDG#: 56079

DFTPP File ID: D46675T.D Site ID: Subbase Groton Site 7 Location: CT

Instrument ID: D DFTPP Injection Date: 3/23/06

GC Column: RTX-5MS ID: 0.25(mm) DFTPP Injection Time: 1420

	SAMPLE ID	SMC1 #	SMC 2 #	SMC 3 #	SMC 4 #	SMC 5 #	SMC 6 #	TOT OUT
01	S6723 PT3 20/40	50	48	79	79	56	80	0
02	ZZZZZ	NA	NA	NA	NA	NA	NA	0
03	B03236AS	73	81	82	90	91	92	0
04	L03236AS	63	74	73	78	92	81	0
05	LD03236AS	66	76	75	83	92	82	0
06	ZZZZZ	55	65	67	72	2 *	78	1
07	ZZZZZ	60	69	68	79	81	77	0
08	56079-1	72	82	83	92	89	89	0
09	ZZZZZ	71	83	82	93	90	67	0
10	ZZZZZ	67	78	80	89	89	68	0
11	ZZZZZ	68	80	77	84	87	71	0
12	ZZZZZ	63	76	78	85	93	67	0
13	ZZZZZ	60	72	71	77	87	60	0
14	ZZZZZ	56	64	65	72	79	66	0
15	ZZZZZ	26 *	32 *	31	36	41	32 *	3
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								

	QC LIMITS
SMC1 = 2-Fluorophenol	29-97 %
SMC2 = d5-Phenol	40-120 %
SMC3 = d5-Nitrobenzene	20-101%
SMC4 = 2-Fluorobiphenyl	34-102 %
SMC5 = 2,4,6-Tribromophenol	36-141 %
SMC6 = d14-p-Terphenyl	38-108%

Column to be used to flag recovery values

* Values outside of protocol required QC limits

D System Monitoring Compound diluted out

analytics environmental laboratory LLC

SEMI-VOLATILE ORGANIC SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Project #: CTO 1042 Quote #: NA SDG#: 56079

DFTPP File ID: D46691T.D Site ID: Subbase Groton Site 7 Location: CT

Instrument ID: D DFTPP Injection Date: 3/24/06

GC Column: RTX-5MS ID: 0.25(mm) DFTPP Injection Time: 0201

	SAMPLE ID	SMC1 #	SMC 2 #	SMC 3 #	SMC 4 #	SMC 5 #	SMC 6 #	TOT OUT
01	S6727 PT3 20/40	54	55	86	83	59	82	0
02	ZZZZZ	NA	NA	NA	NA	NA	NA	0
03	B03236AS, RR	76	85	85	91	97	91	0
04	ZZZZZ	29 *	35 *	33	36	41	34 *	3
05	ZZZZZ	56	66	67	74	85	81	0
06	56079-2	76	87	83	89	98	75	0
07	56079-3	69	81	82	87	101	82	0
08	ZZZZZ	65	79	78	84	92	76	0
09	56081-1,MS	63	76	77	83	97	67	0
10	56081-1,MSD	58	72	71	78	87	53	0
11	ZZZZZ	71	79	79	84	88	75	0
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								

	QC LIMITS
SMC1 = 2-Fluorophenol	29-97 %
SMC2 = d5-Phenol	40-120 %
SMC3 = d5-Nitrobenzene	20-101%
SMC4 = 2-Fluorobiphenyl	34-102 %
SMC5 = 2,4,6-Tribromophenol	36-141 %
SMC6 = d14-p-Terphenyl	38-108%

Column to be used to flag recovery values

* Values outside of protocol required QC limits

D System Monitoring Compound diluted out

analytics environmental laboratory LLC

SEMI-VOLATILE ORGANIC SOLID
LABORATORY CONTROL SPIKE/ DUPLICATE
PERCENT RECOVERY

Project #: CTO 1042 SDG# 56079

DFTPP File ID: D46675T.D Site ID: Subbase Groton Site 7 Location: CT

Instrument ID: D DFTPP Injection Date: 3/23/06

GC Column: RTX-5MS ID: 0.25(mm) DFTPP Injection Time: 1420

Laboratory Control Spike/Duplicate Sample ID: L03236AS/LD003236AS

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE AMT (ug/kg)	LCS CONC. (ug/kg)	LCS REC %	#	LCSD CONC. (ug/kg)	LCSD REC %	#	RPD	#	QC LIMITS RPD	
Acenaphthene	1333	U	1066	80		1106	83		4		19	55-96
Acenaphthylene	1333	U	1061	80		1096	82		3		25	54-97
Anthracene	1333	U	1252	94		1266	95		1		25	60-107
Benzo[a]anthracene	1333	U	1194	90		1203	90		1		25	59-110
Benzo[a] pyrene	1333	U	1225	92		1235	93		1		25	62-111
Benzo[b] fluoranthene	1333	U	1255	94		1252	94		0		25	57-114
Benzo(g,h,i) perylene	1333	U	1130	85		1117	84		1		25	61-122
Benzo[k] fluoranthene	1333	U	1312	98		1292	97		2		25	58-111
Chrysene	1333	U	1206	90		1191	89		1		25	60-109
Dibenz [a,h] anthracene	1333	U	1149	86		1099	82		4		25	69-122
Fluoranthene	1333	U	1263	95		1274	96		1		25	65-114
Fluorene	1333	U	1134	85		1172	88		3		25	60-101
Indeno [1,2,3-cd] pyrene	1333	U	1084	81		1107	83		2		25	62-123
2-Methylnaphthalene	1333	U	1093	82		1140	86		4		25	60-120
Naphthalene	1333	U	949	71		1001	75		5		25	42-95
Phenanthrene	1333	U	1228	92		1225	92		0		47	59-103
Pyrene	1333	U	1137	85		1132	85		0		35	52-110

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 17 outside limits
Spike Recovery: 0 out of 34 outside limits
Comments: _____

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\032306-D\D46679Q.D Vial: 5
Acq On : 23 Mar 2006 5:25 pm Operator:
Sample : L03236AS Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Mar 23 20:41 2006 Quant Results File: S03216.RES

Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Thu Mar 23 20:36:03 2006
Response via : Initial Calibration
DataAcq Meth : ABN

3-24-06 3/23/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	6.45	152	543964	40.00	ug/ml	-0.02
19) d8-Naphthalene	9.39	136	1978779	40.00	ug/ml	-0.02
35) d10-Acenaphthene	13.70	164	1225407	40.00	ug/ml	-0.02
61) d10-Phenanthrene	17.30	188	2041195	40.00	ug/ml	-0.02
71) d12-Chrysene	23.82	240	1962716	40.00	ug/ml	-0.01
79) d12-Perylene	28.24	264	1771819	40.00	ug/ml	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	3.99	112	712293	47.01	ug/ml	-0.02
Spiked Amount 75.000	Range 29 - 97		Recovery = 62.68%			
5) d5-Phenol	5.80	99	999467	55.62	ug/ml	-0.02
Spiked Amount 75.000	Range 40 - 120		Recovery = 74.16%			
20) d5-nitrobenzene	7.78	82	925019	36.68	ug/ml	-0.02
Spiked Amount 50.000	Range 20 - 101		Recovery = 73.36%			
39) 2-Fluorobiphenyl	12.08	172	1624077	39.00	ug/ml	-0.02
Spiked Amount 50.000	Range 34 - 102		Recovery = 78.00%			
60) 2,4,6-Tribromophenol	15.68	330	553493	68.82	ug/ml	-0.01
Spiked Amount 75.000	Range 36 - 141		Recovery = 91.76%			
73) d14-p-terphenyl	21.26	244	1861539	40.42	ug/ml	-0.02
Spiked Amount 50.000	Range 38 - 108		Recovery = 80.84%			
Target Compounds						Qvalue
2) Pyridine	2.17	79	198216	15.97	ug/ml	97
3) N-nitrosodimethylamine	2.14	42	445818	25.93	ug/ml	98
6) Aniline	5.88	93	619270	26.61	ug/ml#	1
7) Phenol	5.83	94	603281	29.71	ug/ml#	70
8) 2-Chlorophenol	6.08	128	530337	28.71	ug/ml#	78
9) bis(2-chloroethyl) ether	5.98	93	455161	29.75	ug/ml	100
10) 1,3-Dichlorobenzene	6.37	146	562665	26.50	ug/ml	96
11) 1,4-Dichlorobenzene	6.49	146	609608	27.26	ug/ml	98
12) 1,2-Dichlorobenzene	6.90	146	564849	27.10	ug/ml	100
13) Benzyl Alcohol	6.83	108	322357	32.35	ug/ml	98
14) 2-Methylphenol	7.12	108	429653	29.63	ug/ml	88
15) bis(2-chloroisopropyl)ethe	7.16	45	829833	28.39	ug/ml	99
16) 3+4-Methylphenol	7.47	108	479919	33.00	ug/ml	96
17) Hexachloroethane	7.57	117	261087	27.83	ug/ml	97
18) N-nitroso-di-n-propylamine	7.49	70	492744	32.38	ug/ml	96
21) Nitrobenzene	7.82	123	275079	28.85	ug/ml	100
22) Isophorone	8.35	82	1367586	35.88	ug/ml	98
23) 2-Nitrophenol	8.56	139	340240	29.97	ug/ml	100
24) 2,4-Dimethylphenol	8.70	107	571235	28.96	ug/ml	97
25) Bis(2-chloroethoxy)methane	8.91	93	571860	29.28	ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\032306-D\D46679Q.D Vial: 5
Acq On : 23 Mar 2006 5:25 pm Operator:
Sample : L03236AS Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Mar 23 20:41 2006 Quant Results File: S03216.RES

Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Thu Mar 23 20:36:03 2006
Response via : Initial Calibration
DataAcq Meth : ABN

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
26)	2,4-Dichlorophenol	9.12	162	498430	29.84	ug/ml	93
27)	Benzoic Acid	9.05	105	298306	22.47	ug/ml	93
28)	1,2,4-Trichlorobenzene	9.30	180	527803	29.19	ug/ml	99
29)	Naphthalene	9.44	128	1428830	28.47	ug/ml	99
31)	4-Chloroaniline	9.66	127	631917	28.56	ug/ml	100
32)	Hexachlorobutadiene	9.88	225	325359	28.77	ug/ml	99
33)	4-Chloro-3-methylphenol	10.90	107	561255	33.95	ug/ml	95
34)	2-Methylnaphthalene	11.10	141	935028	32.79	ug/ml	98
36)	Hexachlorocyclopentadiene	11.66	237	326624	31.69	ug/ml	96
37)	2,4,6-Trichlorophenol	11.91	196	412038	31.65	ug/ml	98
38)	2,4,5-Trichlorophenol	12.00	196	428221	32.90	ug/ml	95
40)	2-Chloronaphthalene	12.29	162	1129818	31.05	ug/ml	99
41)	2-Nitroaniline	12.69	138	461801	34.53	ug/ml	97
42)	2,6-Dinitrotoluene	13.39	165	380167	34.65	ug/ml	99
43)	Dimethyl Phthalate	13.22	163	1530748	34.53	ug/ml	99
44)	Acenaphthylene	13.32	152	1741467	31.83	ug/ml	98
45)	3-Nitroaniline	13.72	138	402758	37.16	ug/ml	96
46)	Acenaphthene	13.78	154	1054984	31.99	ug/ml	99
47)	2,4-dinitrophenol	13.97	184	229370	31.98	ug/ml	93
48)	Dibenzofuran	14.17	168	1674565	33.39	ug/ml	95
49)	4-Nitrophenol	14.23	109	360231	36.43	ug/ml	95
50)	2,4-Dinitrotoluene	14.34	165	542555	37.43	ug/ml	99
52)	Fluorene	15.02	166	1404985	34.01	ug/ml	99
53)	Diethyl Phthalate	14.96	149	1728141	37.09	ug/ml	99
54)	4-Chlorophenyl phenyl eth	15.04	204	680290	35.28	ug/ml	96
55)	4-Nitroaniline	15.26	138	408581	40.13	ug/ml	100
56)	4,6-Dinitro-2-methylphenol	15.34	198	335743	35.15	ug/ml	96
57)	n-nitrosodiphenylamine	15.38	169	1043260	39.59	ug/ml	94
58)	Azobenzene	15.43	77	1894195	35.26	ug/ml	98
59)	Biphenyl	12.29	154	1489305	30.53	ug/ml	99
62)	4-bromophenyl phenyl ether	16.23	248	427112	35.66	ug/ml	98
63)	Hexachlorobenzene	16.57	284	520214	36.44	ug/ml	97
64)	Pentachlorophenol	17.04	266	255245	27.87	ug/ml	92
65)	Phenanthrene	17.35	178	1979574	36.83	ug/ml	100
66)	Anthracene	17.46	178	1995718	37.55	ug/ml	99
67)	Carbazole	17.93	167	3850641	80.03	ug/ml	99
68)	Di-n-butyl phthalate	18.92	149	2756287	37.43	ug/ml	99
69)	Fluoranthene	20.27	202	2078171	37.89	ug/ml	99
70)	Benzidine	20.67	184	946460	67.14	ug/ml	95
72)	Pyrene	20.82	202	2061434	34.11	ug/ml	99
74)	Butyl benzyl phthalate	22.55	149	1227415	33.30	ug/ml	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\032306-D\D46679Q.D Vial: 5
Acq On : 23 Mar 2006 5:25 pm Operator:
Sample : L03236AS Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Mar 23 20:41 2006 Quant Results File: S03216.RES

Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Thu Mar 23 20:36:03 2006
Response via : Initial Calibration
DataAcq Meth : ABN

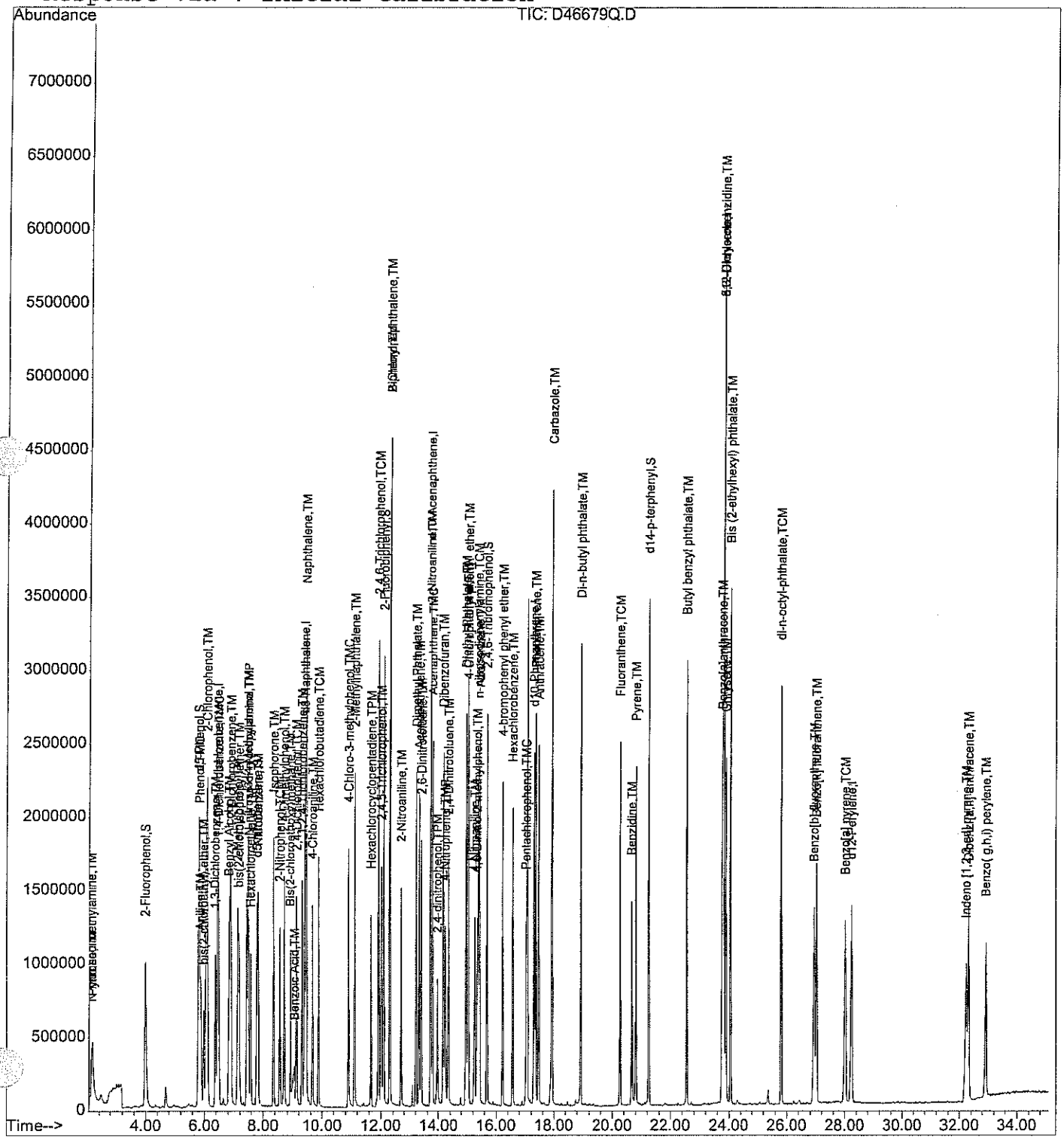
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
75)	Benzo[a]anthracene	23.77	228	1917944	35.82	ug/ml	99
76)	Chrysene	23.90	228	1787183	36.19	ug/ml	98
77)	3,3'-Dichlorobenzidine	23.82	252	1792225	82.35	ug/ml#	98
78)	Bis (2-ethylhexyl) phthala	24.05	149	1643826	34.84	ug/ml	98
80)	di-n-octyl-phthalate	25.80	149	2826865	36.40	ug/ml	97
81)	Benzo[b] fluoranthene	26.94	252	1921765	37.65	ug/ml	99
82)	Benzo[k] fluoranthene	27.02	252	1913360	39.36	ug/ml	99
83)	Benzo[a] pyrene	28.02	252	1753130	36.74	ug/ml	99
84)	Indeno [1,2,3-cd] pyrene	32.25	276	1591009	32.51	ug/ml	98
85)	Dibenz [a,h] anthracene	32.33	278	1707044	34.48	ug/ml	98
86)	Benzo(g,h,i) perylene	32.94	276	1518320	33.90	ug/ml	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\032306-D\D46679Q.D Vial: 5
Acq On : 23 Mar 2006 5:25 pm Operator:
Sample : L03236AS Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 23 20:41 2006 Quant Results File: S03216.RES

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Thu Mar 23 20:36:03 2006
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\032306-D\D46680Q.D Vial: 6
Acq On : 23 Mar 2006 5:58 pm Operator:
Sample : LD03236AS Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Mar 23 20:41 2006 Quant Results File: S03216.RES

Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Thu Mar 23 20:36:03 2006
Response via : Initial Calibration
DataAcq Meth : ABN

3-24-06 3/23/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	6.45	152	555760	40.00	ug/ml	-0.02
19) d8-Naphthalene	9.39	136	2002428	40.00	ug/ml	-0.02
35) d10-Acenaphthene	13.70	164	1213724	40.00	ug/ml	-0.02
61) d10-Phenanthrene	17.30	188	2072983	40.00	ug/ml	-0.02
71) d12-Chrysene	23.83	240	1994616	40.00	ug/ml	0.00
79) d12-Perylene	28.24	264	1781957	40.00	ug/ml	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	3.98	112	765434	49.45	ug/ml	-0.04
Spiked Amount 75.000	Range 29 - 97		Recovery = 65.93%			
5) d5-Phenol	5.80	99	1045653	56.95	ug/ml	-0.03
Spiked Amount 75.000	Range 40 - 120		Recovery = 75.93%			
20) d5-nitrobenzene	7.77	82	959792	37.61	ug/ml	-0.03
Spiked Amount 50.000	Range 20 - 101		Recovery = 75.22%			
39) 2-Fluorobiphenyl	12.08	172	1713565	41.55	ug/ml	-0.02
Spiked Amount 50.000	Range 34 - 102		Recovery = 83.10%			
60) 2,4,6-Tribromophenol	15.68	330	548596	68.87	ug/ml	-0.02
Spiked Amount 75.000	Range 36 - 141		Recovery = 91.83%			
73) d14-p-terphenyl	21.26	244	1907326	40.75	ug/ml	-0.02
Spiked Amount 50.000	Range 38 - 108		Recovery = 81.50%			
Target Compounds						Qvalue
2) Pyridine	2.16	79	210992	16.64	ug/ml	94
3) N-nitrosodimethylamine	2.14	42	475727	27.08	ug/ml	95
6) Aniline	5.87	93	644201	27.09	ug/ml#	1
7) Phenol	5.83	94	651435	31.40	ug/ml	82
8) 2-Chlorophenol	6.09	128	562586	29.80	ug/ml#	77
9) bis(2-chloroethyl) ether	5.97	93	481443	30.80	ug/ml	99
10) 1,3-Dichlorobenzene	6.38	146	616061	28.39	ug/ml	98
11) 1,4-Dichlorobenzene	6.49	146	629765	27.56	ug/ml	99
12) 1,2-Dichlorobenzene	6.90	146	619926	29.11	ug/ml	99
13) Benzyl Alcohol	6.83	108	336045	33.01	ug/ml	97
14) 2-Methylphenol	7.12	108	453444	30.61	ug/ml	88
15) bis(2-chloroisopropyl)ethe	7.15	45	865638	28.99	ug/ml	100
16) 3+4-Methylphenol	7.47	108	499557	33.62	ug/ml	95
17) Hexachloroethane	7.58	117	280793	29.30	ug/ml	99
18) N-nitroso-di-n-propylamine	7.50	70	526867	33.88	ug/ml	96
21) Nitrobenzene	7.82	123	296234	30.70	ug/ml	99
22) Isophorone	8.35	82	1439209	37.31	ug/ml	99
23) 2-Nitrophenol	8.56	139	359372	31.28	ug/ml	99
24) 2,4-Dimethylphenol	8.69	107	599501	30.03	ug/ml	99
25) Bis(2-chloroethoxy)methane	8.91	93	603831	30.55	ug/ml	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\032306-D\D46680Q.D Vial: 6
Acq On : 23 Mar 2006 5:58 pm Operator:
Sample : LD03236AS Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Mar 23 20:41 2006 Quant Results File: S03216.RES

Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Thu Mar 23 20:36:03 2006
Response via : Initial Calibration
DataAcq Meth : ABN

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
26)	2,4-Dichlorophenol	9.12	162	516937	30.58	ug/ml	99
27)	Benzoic Acid	9.06	105	326601	24.04	ug/ml#	86
28)	1,2,4-Trichlorobenzene	9.30	180	544436	29.75	ug/ml	99
29)	Naphthalene	9.44	128	1525611	30.04	ug/ml	100
31)	4-Chloroaniline	9.66	127	679255	30.34	ug/ml	96
32)	Hexachlorobutadiene	9.88	225	339904	29.70	ug/ml	94
33)	4-Chloro-3-methylphenol	10.89	107	560243	33.49	ug/ml	99
34)	2-Methylnaphthalene	11.10	141	987075	34.21	ug/ml	97
36)	Hexachlorocyclopentadiene	11.66	237	348672	33.99	ug/ml	97
37)	2,4,6-Trichlorophenol	11.91	196	417098	32.35	ug/ml	95
38)	2,4,5-Trichlorophenol	12.00	196	436653	33.88	ug/ml	92
40)	2-Chloronaphthalene	12.30	162	1159511	32.18	ug/ml	100
41)	2-Nitroaniline	12.68	138	460555	34.77	ug/ml	94
42)	2,6-Dinitrotoluene	13.39	165	385282	35.46	ug/ml	95
43)	Dimethyl Phthalate	13.21	163	1556705	35.45	ug/ml	99
44)	Acenaphthylene	13.32	152	1782423	32.89	ug/ml	95
45)	3-Nitroaniline	13.73	138	412794	38.45	ug/ml	94
46)	Acenaphthene	13.78	154	1084384	33.19	ug/ml	99
47)	2,4-dinitrophenol	13.97	184	232226	32.60	ug/ml	100
48)	Dibenzofuran	14.17	168	1690667	34.04	ug/ml	95
49)	4-Nitrophenol	14.23	109	370085	37.79	ug/ml	99
50)	2,4-Dinitrotoluene	14.34	165	572445	39.87	ug/ml	93
52)	Fluorene	15.01	166	1438421	35.16	ug/ml	100
53)	Diethyl Phthalate	14.95	149	1765049	38.24	ug/ml	99
54)	4-Chlorophenyl phenyl eth	15.04	204	667957	34.98	ug/ml	96
55)	4-Nitroaniline	15.26	138	421993	41.85	ug/ml	98
56)	4,6-Dinitro-2-methylphenol	15.34	198	332942	35.19	ug/ml	100
57)	n-nitrosodiphenylamine	15.38	169	1066523	40.86	ug/ml	96
58)	Azobenzene	15.42	77	1954077	36.73	ug/ml	95
59)	Biphenyl	12.28	154	1576202	32.62	ug/ml	99
62)	4-bromophenyl phenyl ether	16.22	248	428712	35.25	ug/ml	99
63)	Hexachlorobenzene	16.56	284	538653	37.15	ug/ml	97
64)	Pentachlorophenol	17.03	266	271526	28.96	ug/ml	98
65)	Phenanthrene	17.36	178	2005246	36.74	ug/ml	100
66)	Anthracene	17.46	178	2050597	37.99	ug/ml	99
67)	Carbazole	17.93	167	3922519	80.28	ug/ml	99
68)	Di-n-butyl phthalate	18.92	149	2810911	37.58	ug/ml	100
69)	Fluoranthene	20.27	202	2128353	38.21	ug/ml	99
70)	Benzidine	20.66	184	869022	60.21	ug/ml#	97
72)	Pyrene	20.81	202	2085274	33.95	ug/ml	99
74)	Butyl benzyl phthalate	22.56	149	1257503	33.57	ug/ml	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\032306-D\D46680Q.D Vial: 6
Acq On : 23 Mar 2006 5:58 pm Operator:
Sample : LD03236AS Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Mar 23 20:41 2006 Quant Results File: S03216.RES

Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Thu Mar 23 20:36:03 2006
Response via : Initial Calibration
DataAcq Meth : ABN

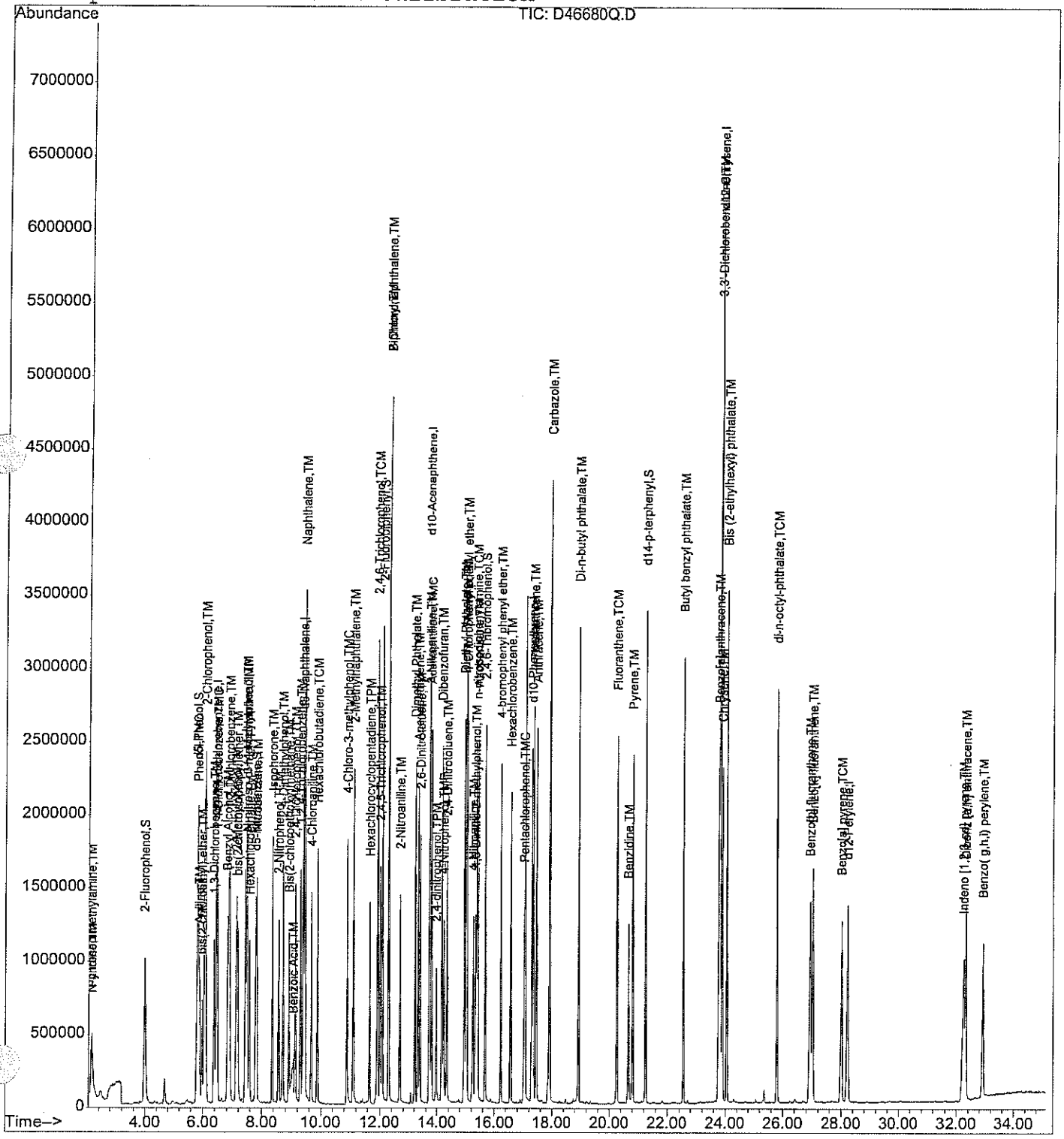
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
75) Benzo[a]anthracene	23.77	228	1963914	36.09 ug/ml	99
76) Chrysene	23.89	228	1793136	35.73 ug/ml	99
77) 3,3'-Dichlorobenzidine	23.81	252	1828693	82.68 ug/ml#	98
78) Bis (2-ethylhexyl) phthala	24.05	149	1676234	34.96 ug/ml	99
80) di-n-octyl-phthalate	25.80	149	2851098	36.50 ug/ml	96
81) Benzo[b] fluoranthene	26.94	252	1927450	37.55 ug/ml	100
82) Benzo[k] fluoranthene	27.03	252	1894998	38.76 ug/ml	98
83) Benzo[a] pyrene	28.02	252	1778473	37.06 ug/ml	100
84) Indeno [1,2,3-cd] pyrene	32.25	276	1640449	33.22 ug/ml	98
85) Dibenz [a,h] anthracene	32.32	278	1641670	32.97 ug/ml	99
86) Benzo(g,h,i) perylene	32.93	276	1510103	33.52 ug/ml	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\032306-D\D46680Q.D Vial: 6
Acq On : 23 Mar 2006 5:58 pm Operator:
Sample : LD03236AS Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 23 20:41 2006 Quant Results File: S03216.RES

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Thu Mar 23 20:36:03 2006
Response via : Initial Calibration



analytics environmental laboratory LLC

SEMI-VOLATILE ORGANIC SOIL MATRIX SPIKE/ DUPLICATE PERCENT RECOVERY

Project #: CTO 1042 SDG#: 56079

DFTPP File ID: D46691T.D Site ID: Subbase Groton Site 7 Location: CT

Instrument ID: D DFTPP Injection Date: 3/24/06

GC Column: RTX-5MS ID: 0.25(mm) DFTPP Injection Time: 0201

Matrix Spike/Duplicate Sample ID: 56081-1

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE AMT (ug/kg)		MS CONC. (ug/kg)	MS REC %	#	SPIKE ADDED (ug/kg)	MSD CONC. (ug/kg)	MSD REC %	#	RPD	#	QC LIMITS RPD	
Acenaphthene	2522	179	J	2187	80		2490	2331	86		6		19	55-96
Acenaphthylene	2522	U		2123	84		2490	1930	78		9		25	54-97
Anthracene	2522	395		2537	85		2490	3229	114	*	24		25	60-107
Benzo[a]anthracene	2522	822		2529	68		2490	3965	126	*	44	*	25	59-110
Benzo[a] pyrene	2522	739		2782	81		2490	4055	133	*	37	*	25	62-111
Benzo[b] fluoranthene	2522	912		3740	112		2490	6620	229	*	56	*	25	57-114
Benzo(g,h,i) perylene	2522	U		461	18	*	2490	521	21	*	12		25	61-122
Benzo[k] fluoranthene	2522	753		3743	119	*	2490	4983	170	*	28	*	25	58-111
Chrysene	2522	863		2614	69		2490	3952	124	*	41	*	25	60-109
Dibenz [a,h] anthracene	2522	U		580	23	*	2490	625	25	*	7		25	69-122
Fluoranthene	2522	1930		2957	41	*	2490	6962	202	*	81	*	25	65-114
Fluorene	2522	153	J	2330	86		2490	2320	87		0		25	60-101
Indeno [1,2,3-cd] pyrene	2522	U		635	25	*	2490	753	30	*	17		25	62-123
2-Methylnaphthalene	2522	U		2121	84		2490	2021	81		5		25	60-120
Naphthalene	2522	U		1928	76		2490	1784	72		8		25	42-95
Phenanthrene	2522	1680		2780	44	*	2490	5897	169	*	72	*	25	59-103
Pyrene	2522	1510		2294	31	*	2490	4466	119	*	64	*	36	52-110

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits
RPD: 8 out of 17 outside limits
Spike Recovery: 19 out of 34 outside limits

Comments: _____

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\032306-D\D46700SP.D Vial: 10
Acq On : 24 Mar 2006 8:56 am Operator:
Sample : 56081-1,MS Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Mar 24 19:08 2006 Quant Results File: S03216.RES

Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Fri Mar 24 02:32:57 2006
Response via : Initial Calibration
DataAcq Meth : ABN

3-27-06

3/24/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	6.42	152	479947	40.00	ug/ml	-0.01
19) d8-Naphthalene	9.36	136	1732094	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.68	164	1038154	40.00	ug/ml	0.00
61) d10-Phenanthrene	17.27	188	1687965	40.00	ug/ml	0.00
71) d12-Chrysene	23.80	240	1836081	40.00	ug/ml	0.00
79) d12-Perylene	28.21	264	1030785	40.00	ug/ml	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	3.96	112	631932	47.27	ug/ml	-0.01
Spiked Amount 75.000	Range 29 - 97		Recovery = 63.03%			
5) d5-Phenol	5.77	99	903634	56.99	ug/ml	0.00
Spiked Amount 75.000	Range 40 - 120		Recovery = 75.99%			
20) d5-nitrobenzene	7.75	82	848010	38.42	ug/ml	0.00
Spiked Amount 50.000	Range 20 - 101		Recovery = 76.84%			
39) 2-Fluorobiphenyl	12.05	172	1458403	41.34	ug/ml	0.00
Spiked Amount 50.000	Range 34 - 102		Recovery = 82.68%			
60) 2,4,6-Tribromophenol	15.65	330	494971	72.38	ug/ml	0.00
Spiked Amount 75.000	Range 36 - 141		Recovery = 96.51%			
73) d14-p-terphenyl	21.23	244	1438968	33.40	ug/ml	0.00
Spiked Amount 50.000	Range 38 - 108		Recovery = 66.80%			
Target Compounds						Qvalue
2) Pyridine	2.14	79	177794	16.23	ug/ml	83
3) N-nitrosodimethylamine	2.11	42	396375	26.12	ug/ml	99
6) Aniline	5.84	93	548803	26.72	ug/ml#	1
7) Phenol	5.80	94	554237	30.93	ug/ml	92
8) 2-Chlorophenol	6.05	128	469947	28.83	ug/ml#	68
9) bis(2-chloroethyl) ether	5.95	93	405935	30.07	ug/ml	100
10) 1,3-Dichlorobenzene	6.35	146	523977	27.97	ug/ml	100
11) 1,4-Dichlorobenzene	6.46	146	538810	27.30	ug/ml	96
12) 1,2-Dichlorobenzene	6.87	146	503566	27.38	ug/ml	90
13) Benzyl Alcohol	6.80	108	301549	34.30	ug/ml	96
14) 2-Methylphenol	7.09	108	405241	31.67	ug/ml	90
15) bis(2-chloroisopropyl)ethe	7.13	45	761210	29.51	ug/ml	100
16) 3+4-Methylphenol	7.44	108	437020	34.06	ug/ml	97
17) Hexachloroethane	7.54	117	228269	27.58	ug/ml	95
18) N-nitroso-di-n-propylamine	7.46	70	458402	34.14	ug/ml	95
21) Nitrobenzene	7.79	123	255409	30.60	ug/ml	99
22) Isophorone	8.32	82	1205557	36.14	ug/ml	99
23) 2-Nitrophenol	8.53	139	286541	28.83	ug/ml	98
24) 2,4-Dimethylphenol	8.67	107	564113	32.67	ug/ml	96
25) Bis(2-chloroethoxy)methane	8.88	93	516647	30.22	ug/ml	99

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\032306-D\D46700SP.D Vial: 10
Acq On : 24 Mar 2006 8:56 am Operator:
Sample : 56081-1,MS Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Mar 24 19:08 2006 Quant Results File: S03216.RES

Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Fri Mar 24 02:32:57 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 2,4-Dichlorophenol	9.09	162	469844	32.13 ug/ml	99
27) Benzoic Acid	9.03	105	329317	27.47 ug/ml#	74
28) 1,2,4-Trichlorobenzene	9.27	180	493226	31.16 ug/ml	97
29) Naphthalene	9.41	128	1343789	30.59 ug/ml	99
31) 4-Chloroaniline	9.64	127	580680	29.98 ug/ml	99
32) Hexachlorobutadiene	9.85	225	315427	31.86 ug/ml	96
33) 4-Chloro-3-methylphenol	10.87	107	533082	36.84 ug/ml	100
34) 2-Methylnaphthalene	11.08	141	839773	33.65 ug/ml	100
36) Hexachlorocyclopentadiene	11.64	237	97688	12.15 ug/ml	99
37) 2,4,6-Trichlorophenol	11.88	196	388496	35.23 ug/ml	95
38) 2,4,5-Trichlorophenol	11.98	196	401387	36.41 ug/ml	94
40) 2-Chloronaphthalene	12.27	162	1038594	33.70 ug/ml	98
41) 2-Nitroaniline	12.66	138	401303	35.42 ug/ml	97
42) 2,6-Dinitrotoluene	13.36	165	321970	34.64 ug/ml	88
43) Dimethyl Phthalate	13.19	163	1285309	34.22 ug/ml	100
44) Acenaphthylene	13.29	152	1560891	33.68 ug/ml	100
45) 3-Nitroaniline	13.70	138	350051	38.12 ug/ml	98
46) Acenaphthene	13.76	154	969199	34.69 ug/ml	96
47) 2,4-dinitrophenol	13.95	184	25915	7.47 ug/ml	88
48) Dibenzofuran	14.14	168	1533268	36.09 ug/ml	99
49) 4-Nitrophenol	14.21	109	345763	41.28 ug/ml	95
50) 2,4-Dinitrotoluene	14.31	165	459973	37.46 ug/ml	98
52) Fluorene	14.99	166	1293575	36.96 ug/ml	99
53) Diethyl Phthalate	14.93	149	1485352	37.63 ug/ml	99
54) 4-Chlorophenyl phenyl eth	15.01	204	617498	37.80 ug/ml	96
55) 4-Nitroaniline	15.23	138	340549	39.48 ug/ml	92
56) 4,6-Dinitro-2-methylphenol	15.31	198	57948	8.30 ug/ml	85
57) n-nitrosodiphenylamine	15.35	169	901945	40.40 ug/ml	97
58) Azobenzene	15.40	77	1808705	39.74 ug/ml	93
59) Biphenyl	12.26	154	1402547	33.93 ug/ml	98
62) 4-bromophenyl phenyl ether	16.19	248	377203	38.09 ug/ml	99
63) Hexachlorobenzene	16.54	284	423130	35.84 ug/ml#	83
64) Pentachlorophenol	17.01	266	236195	30.60 ug/ml	97
65) Phenanthrene	17.33	178	1959732	44.09 ug/ml	100
66) Anthracene	17.44	178	1768734	40.24 ug/ml	99
67) Carbazole	17.91	167	3211950	80.73 ug/ml	97
68) Di-n-butyl phthalate	18.90	149	2230819	36.63 ug/ml	99
69) Fluoranthene	20.25	202	2127289	46.91 ug/ml	99
70) Benzidine	20.64	184	568301	47.35 ug/ml	100
72) Pyrene	20.79	202	2057402	36.39 ug/ml	99
74) Butyl benzyl phthalate	22.53	149	913037	26.48 ug/ml	91

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\032306-D\D46700SP.D Vial: 10
Acq On : 24 Mar 2006 8:56 am Operator:
Sample : 56081-1,MS Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Mar 24 19:08 2006 Quant Results File: S03216.RES

Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Fri Mar 24 02:32:57 2006
Response via : Initial Calibration
DataAcq Meth : ABN

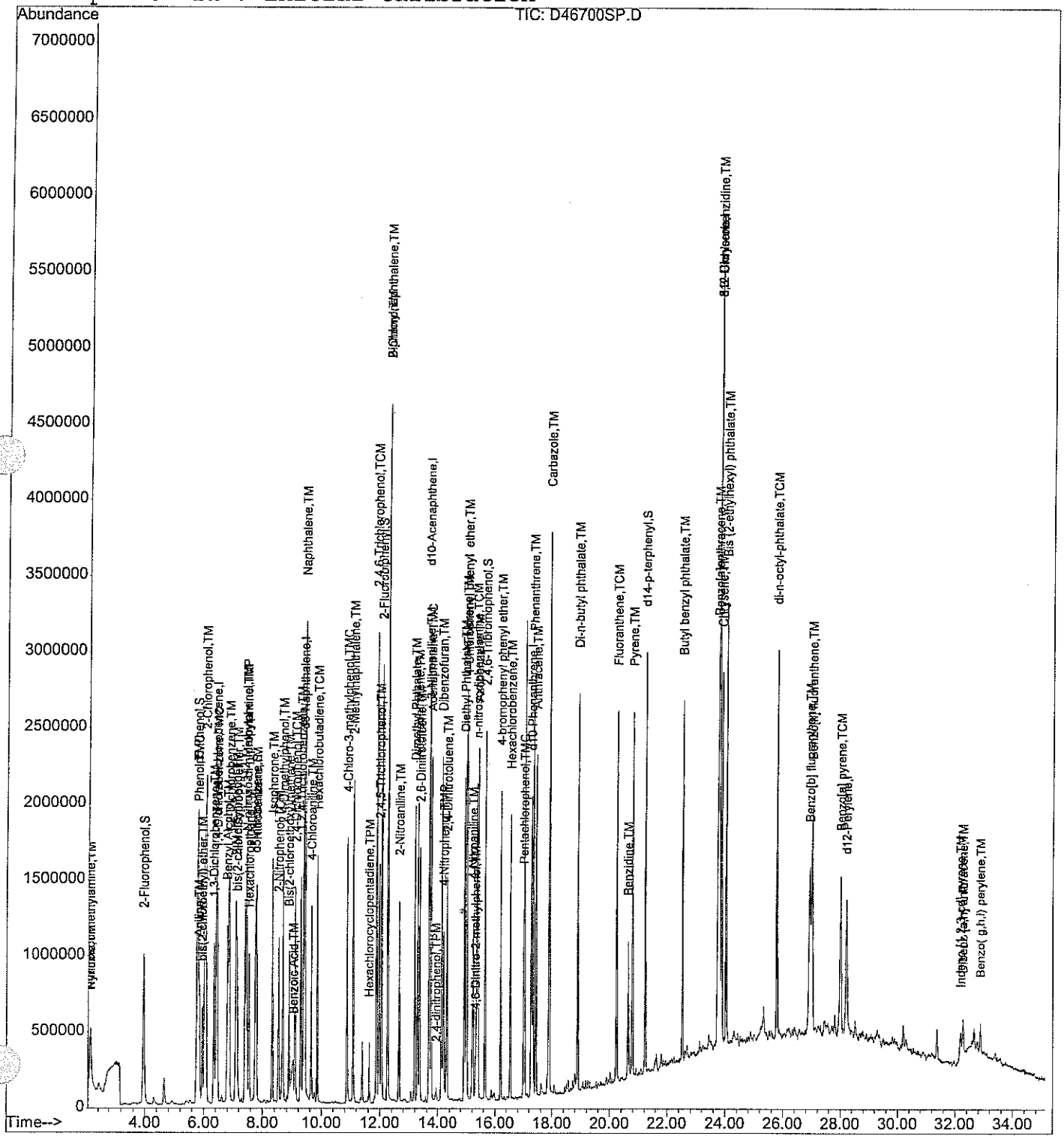
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
75) Benzo[a]anthracene	23.75	228	2009249	40.11 ug/ml	98
76) Chrysene	23.88	228	1915124	41.46 ug/ml	99
77) 3,3'-Dichlorobenzidine	23.80	252	1499375	73.65 ug/ml	99
78) Bis (2-ethylhexyl) phthala	24.03	149	1290177	29.23 ug/ml	99
80) di-n-octyl-phthalate	25.78	149	2332445	51.63 ug/ml	94
81) Benzo[b] fluoranthene	26.93	252	1761657	59.33 ug/ml	98
82) Benzo[k] fluoranthene	27.02	252	1679101	59.37 ug/ml	99
83) Benzo[a] pyrene	28.01	252	1225144	44.13 ug/ml	98
84) Indeno [1,2,3-cd] pyrene	32.19	276	258268	10.07 ug/ml	98
85) Dibenz [a,h] anthracene	32.27	278	265000	9.20 ug/ml#	95
86) Benzo(g,h,i) perylene	32.88	276	190390	7.31 ug/ml	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\032306-D\D46700SP.D Vial: 10
Acq On : 24 Mar 2006 8:56 am Operator:
Sample : 56081-1,MS Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 24 19:08 2006 Quant Results File: S03216.RES

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Fri Mar 24 02:32:57 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\032306-D\D46701SP.D Vial: 11
Acq On : 24 Mar 2006 9:44 am Operator:
Sample : 56081-1,MSD Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Mar 24 21:26 2006 Quant Results File: S03216.RES

Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Fri Mar 24 02:32:57 2006
Response via : Initial Calibration
DataAcq Meth : ABN

3-27-06 3/24/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	6.43	152	517965	40.00	ug/ml	0.00
19) d8-Naphthalene	9.37	136	1884139	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.68	164	1138400 ✓	40.00	ug/ml	0.00
61) d10-Phenanthrene	17.27	188	1845206	40.00	ug/ml	0.00
71) d12-Chrysene	23.82	240	2260983	40.00	ug/ml	0.02
79) d12-Perylene	28.23	264	897846	40.00	ug/ml	0.02
System Monitoring Compounds						
4) 2-Fluorophenol	3.96	112	629177	43.61	ug/ml	-0.02
Spiked Amount 75.000	Range 29 - 97		Recovery = 58.15%			
5) d5-Phenol	5.77	99	922968	53.94	ug/ml	0.00
Spiked Amount 75.000	Range 40 - 120		Recovery = 71.92%			
20) d5-nitrobenzene	7.75	82	852377	35.50	ug/ml	0.00
Spiked Amount 50.000	Range 20 - 101		Recovery = 71.00%			
39) 2-Fluorobiphenyl	12.06	172	1513094	39.11	ug/ml	0.00
Spiked Amount 50.000	Range 34 - 102		Recovery = 78.22%			
60) 2,4,6-Tribromophenol	15.65	330	485984	65.29	ug/ml	0.00
Spiked Amount 75.000	Range 36 - 141		Recovery = 87.05%			
73) d14-p-terphenyl	21.24	244	1401762	26.42	ug/ml	0.00
Spiked Amount 50.000	Range 38 - 108		Recovery = 52.84%			
Target Compounds						Qvalue
2) Pyridine	2.14	79	179746	15.21	ug/ml	93
3) N-nitrosodimethylamine	2.11	42	390167	23.83	ug/ml	98
6) Aniline	5.84	93	540039	24.37	ug/ml#	61
7) Phenol	5.80	94	556025	28.75	ug/ml#	68
8) 2-Chlorophenol	6.06	128	486526	27.66	ug/ml#	70
9) bis(2-chloroethyl) ether	5.94	93	407458	27.97	ug/ml	98
10) 1,3-Dichlorobenzene	6.34	146	512926	25.37	ug/ml	96
11) 1,4-Dichlorobenzene	6.46	146	543233	25.51	ug/ml	98
12) 1,2-Dichlorobenzene	6.88	146	523124	26.35	ug/ml	95
13) Benzyl Alcohol	6.80	108	293236	30.91	ug/ml	97
14) 2-Methylphenol	7.10	108	410971	29.76	ug/ml	90
15) bis(2-chloroisopropyl)ethe	7.13	45	780707	28.05	ug/ml	99
16) 3+4-Methylphenol	7.44	108	446076	32.21	ug/ml	97
17) Hexachloroethane	7.55	117	242276	27.12	ug/ml	100
18) N-nitroso-di-n-propylamine	7.47	70	455873	31.46	ug/ml	97
21) Nitrobenzene	7.79	123	262298	28.89	ug/ml	99
22) Isophorone	8.32	82	1241913	34.22	ug/ml	99
23) 2-Nitrophenol	8.53	139	294980	27.29	ug/ml	99
24) 2,4-Dimethylphenol	8.67	107	577899	30.77	ug/ml	95
25) Bis(2-chloroethoxy)methane	8.88	93	536472	28.85	ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\032306-D\D46701SP.D Vial: 11
Acq On : 24 Mar 2006 9:44 am Operator:
Sample : 56081-1,MSD Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Mar 24 21:26 2006 Quant Results File: S03216.RES

Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Fri Mar 24 02:32:57 2006
Response via : Initial Calibration
DataAcq Meth : ABN

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26)	2,4-Dichlorophenol	9.09	162	481338	30.26 ug/ml	99
27)	Benzoic Acid	9.04	105	308957m	24.15 ug/ml	
28)	1,2,4-Trichlorobenzene	9.27	180	496267	28.82 ug/ml	98
29)	Naphthalene	9.41	128	1370211	28.67 ug/ml	99
31)	4-Chloroaniline	9.64	127	579604	27.51 ug/ml	100
32)	Hexachlorobutadiene	9.85	225	318723	29.59 ug/ml	99
33)	4-Chloro-3-methylphenol	10.87	107	519053	32.98 ug/ml	100
34)	2-Methylnaphthalene	11.08	141	881613	32.47 ug/ml	98
36)	Hexachlorocyclopentadiene	11.64	237	76949	9.07 ug/ml	94
37)	2,4,6-Trichlorophenol	11.88	196	383783	31.74 ug/ml	94
38)	2,4,5-Trichlorophenol	11.98	196	416313	34.43 ug/ml	97
40)	2-Chloronaphthalene	12.27	162	1084739	32.09 ug/ml	98
41)	2-Nitroaniline	12.66	138	399586	32.17 ug/ml	97
42)	2,6-Dinitrotoluene	13.37	165	323639	31.76 ug/ml	91
43)	Dimethyl Phthalate	13.19	163	1314573	31.92 ug/ml	99
44)	Acenaphthylene	13.29	152	1576522	31.02 ug/ml	99
45)	3-Nitroaniline	13.70	138	344484	34.21 ug/ml	98
46)	Acenaphthene	13.76	154	1147580	37.45 ug/ml	95
47)	2,4-dinitrophenol	13.94	184	14788	5.63 ug/ml#	75
48)	Dibenzofuran	14.15	168	1609471	34.54 ug/ml	99
49)	4-Nitrophenol	14.21	109	352279	38.35 ug/ml	97
50)	2,4-Dinitrotoluene	14.32	165	453245	33.66 ug/ml	99
52)	Fluorene	14.99	166	1430596	37.28 ug/ml	99
53)	Diethyl Phthalate	14.93	149	1466977	33.89 ug/ml	99
54)	4-Chlorophenyl phenyl eth	15.02	204	613730	34.26 ug/ml	97
55)	4-Nitroaniline	15.23	138	342024	36.16 ug/ml	96
56)	4,6-Dinitro-2-methylphenol	15.31	198	38270	5.51 ug/ml	95
57)	n-nitrosodiphenylamine	15.35	169	880458	35.97 ug/ml	96
58)	Azobenzene	15.39	77	1735528	34.78 ug/ml	95
59)	Biphenyl	12.26	154	1420775	31.35 ug/ml	97
62)	4-bromophenyl phenyl ether	16.20	248	360786	33.33 ug/ml	96
63)	Hexachlorobenzene	16.54	284	444380	34.44 ug/ml#	82
64)	Pentachlorophenol	17.02	266	241914	28.98 ug/ml	98
65)	Phenanthrene	17.35	178	4603189	94.74 ug/ml	100
66)	Anthracene	17.45	178	2492729	51.88 ug/ml	99
67)	Carbazole	17.90	167	3365175	77.37 ug/ml	98
68)	Di-n-butyl phthalate	18.90	149	2172501	32.63 ug/ml	99
69)	Fluoranthene	20.27	202	5545690	111.86 ug/ml	98
70)	Benzidine	20.65	184	625438	47.71 ug/ml	99
72)	Pyrene	20.82	202	4994820	71.75 ug/ml	99
74)	Butyl benzyl phthalate	22.53	149	908287	21.39 ug/ml	92

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\032306-D\D46701SP.D Vial: 11
Acq On : 24 Mar 2006 9:44 am Operator:
Sample : 56081-1,MSD Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Mar 24 21:26 2006 Quant Results File: S03216.RES

Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Fri Mar 24 02:32:57 2006
Response via : Initial Calibration
DataAcq Meth : ABN

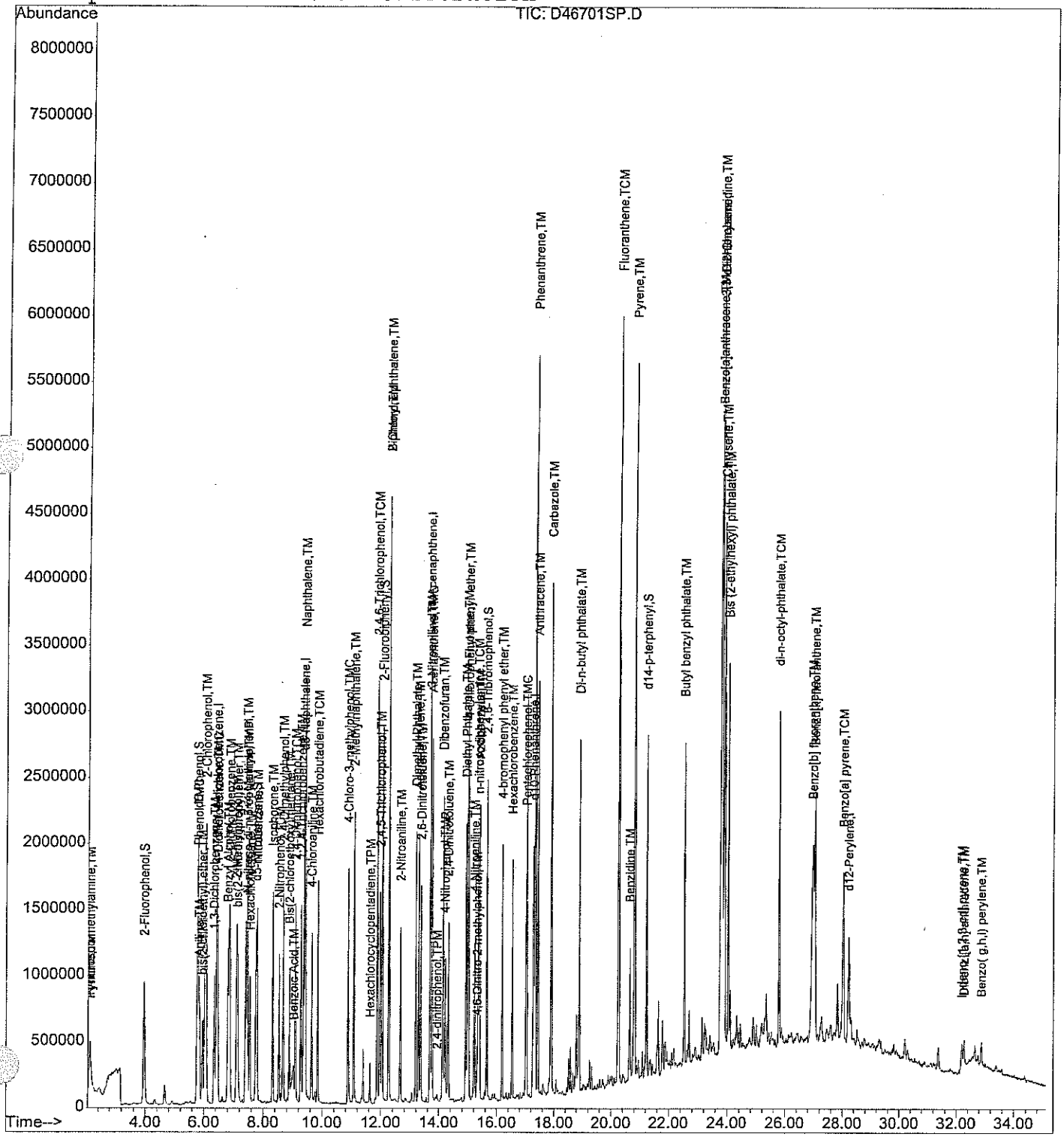
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
75) Benzo[a]anthracene	23.78	228	3929559	63.71 ug/ml#	96
76) Chrysene	23.90	228	3611712	63.49 ug/ml	97
77) 3,3'-Dichlorobenzidine	23.81	252	1680898	67.05 ug/ml	97
78) Bis (2-ethylhexyl) phthala	24.03	149	1323904	24.36 ug/ml	100
80) di-n-octyl-phthalate	25.80	149	2488943	63.25 ug/ml	99
81) Benzo[b] fluoranthene	26.96	252	2750811	106.36 ug/ml	97
82) Benzo[k] fluoranthene	27.04	252	1972327m	80.06 ug/ml	
83) Benzo[a] pyrene	28.03	252	1575478	65.15 ug/ml	99
84) Indeno [1,2,3-cd] pyrene	32.19	276	272348	12.10 ug/ml#	90
85) Dibenz [a,h] anthracene	32.26	278	251971	10.04 ug/ml	94
86) Benzo(g,h,i) perylene	32.88	276	190101	8.38 ug/ml	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\032306-D\D46701SP.D Vial: 11
Acq On : 24 Mar 2006 9:44 am Operator:
Sample : 56081-1,MSD Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 24 21:26 2006 Quant Results File: S03216.RES

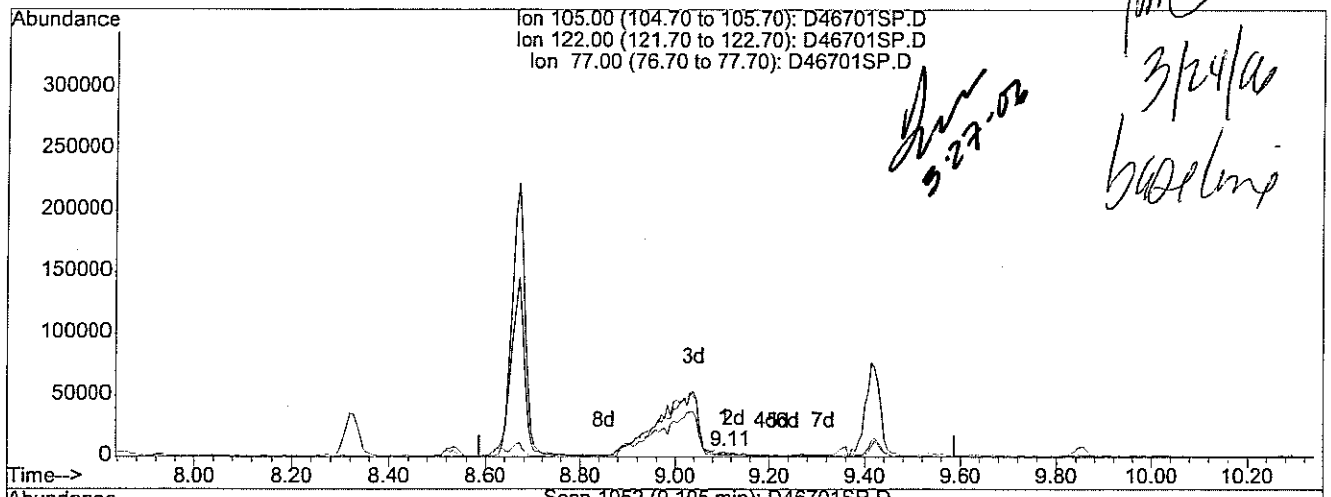
Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Fri Mar 24 02:32:57 2006
Response via : Initial Calibration

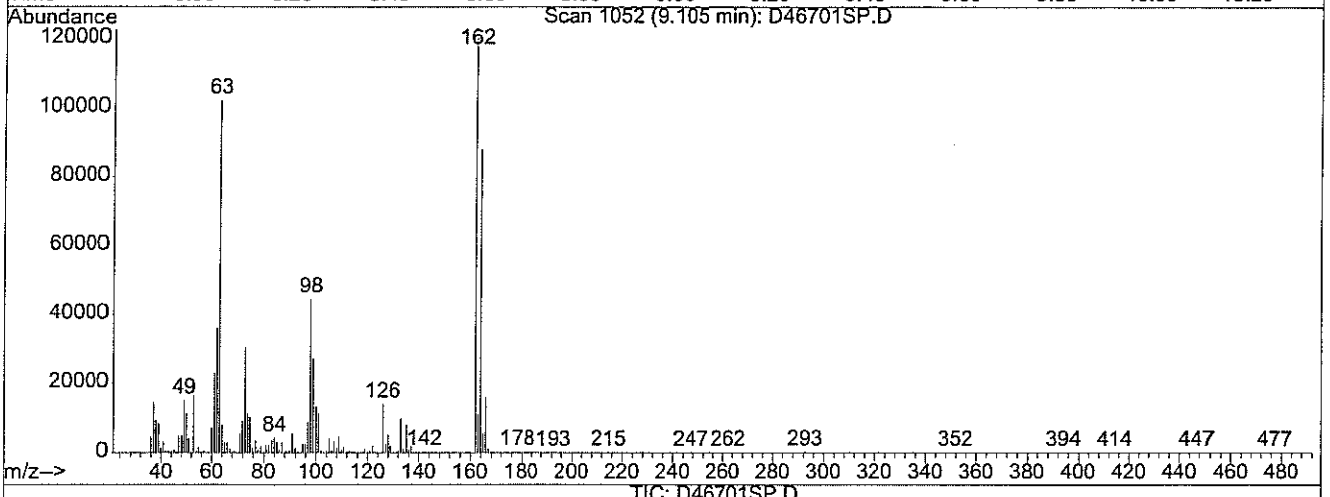


Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\032306-D\D46701SP.D Vial: 11
Acq On : 24 Mar 2006 9:44 am Operator:
Sample : 56081-1,MSD Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 24 21:25 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Fri Mar 24 02:32:57 2006
Response via : Multiple Level Calibration





TIC: D46701SP.D

(27) Benzoic Acid (TM)

9.11min 3.25ug/ml

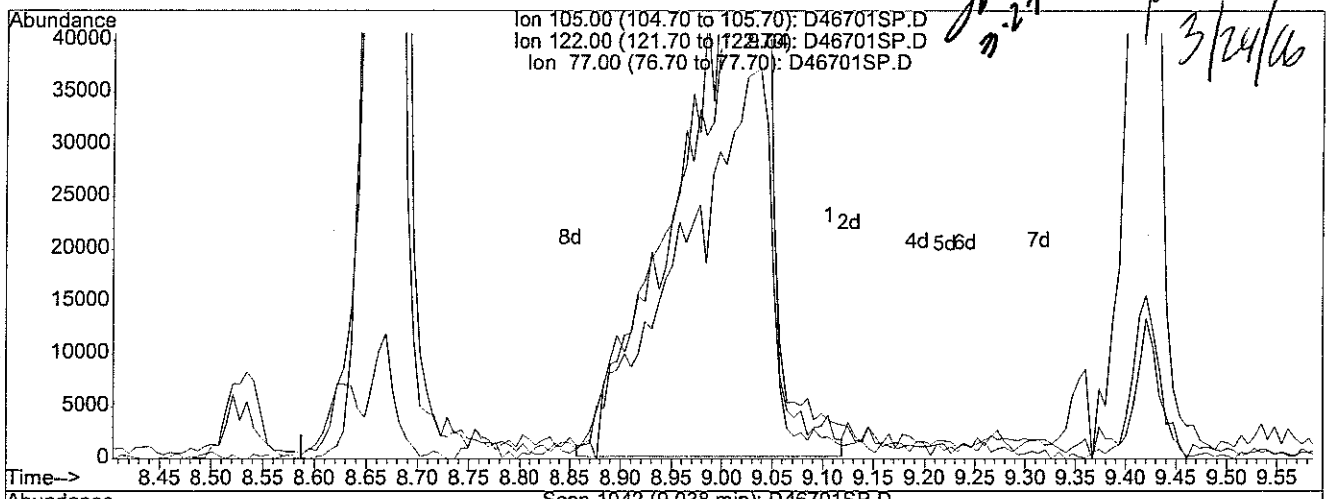
response 2003

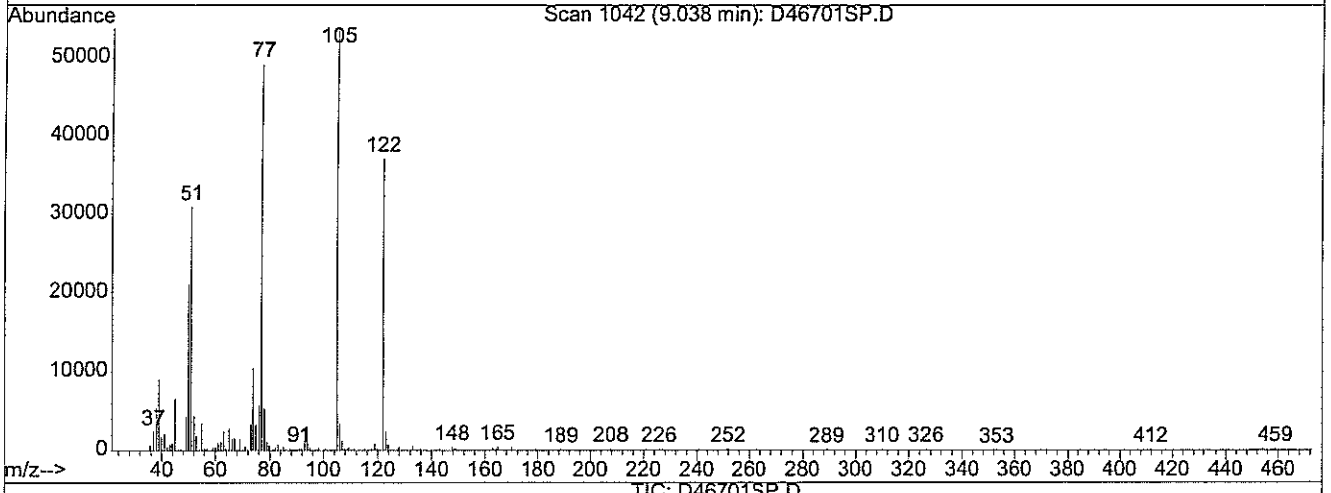
Ion	Exp%	Act%
105.00	100	100
122.00	20.10	0.00#
77.00	41.90	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\032306-D\D46701SP.D Vial: 11
Acq On : 24 Mar 2006 9:44 am Operator:
Sample : 56081-1,MSD Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 24 21:26 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Fri Mar 24 02:32:57 2006
Response via : Multiple Level Calibration





TIC: D46701SP.D

(27) Benzoic Acid (TM)

9.04min 24.15ug/ml m

response 308957

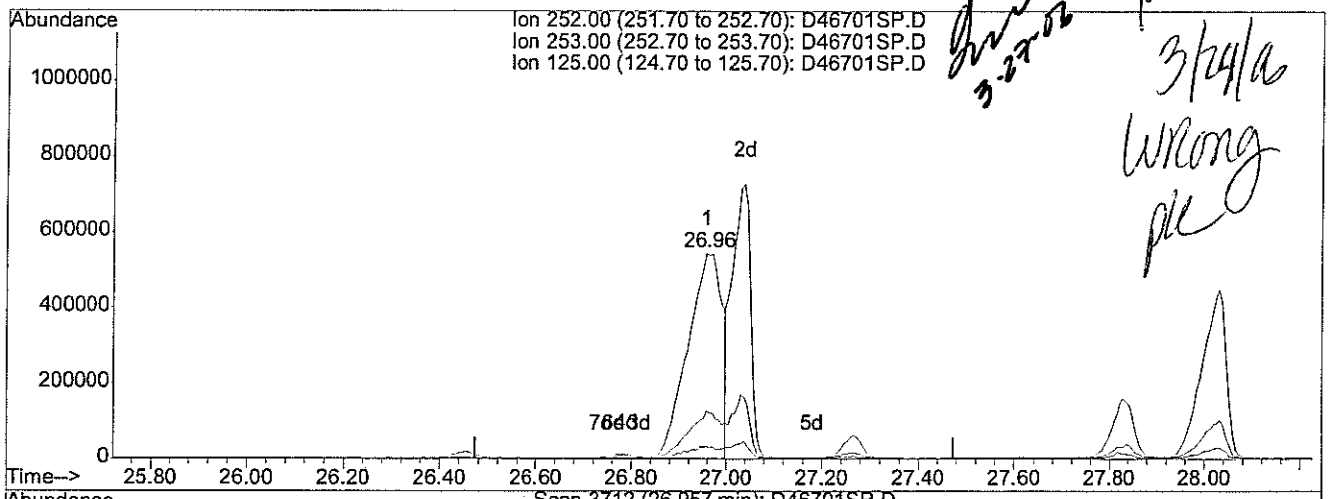
Ion	Exp%	Act%
105.00	100	100
122.00	20.10	0.00#
77.00	41.90	0.00#
0.00	0.00	0.00

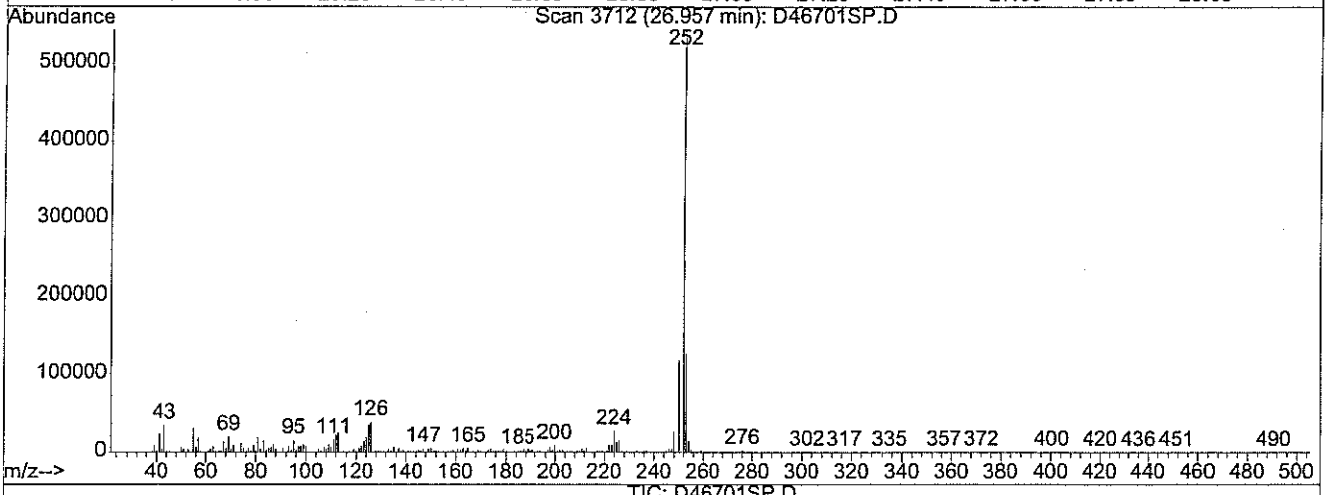
D46701SP.D S03216.M Fri Mar 24 21:26:33 2006

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\032306-D\D46701SP.D Vial: 11
Acq On : 24 Mar 2006 9:44 am Operator:
Sample : 56081-1,MSD Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 24 19:08 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Fri Mar 24 02:32:57 2006
Response via : Multiple Level Calibration





TIC: D46701SP.D

(82) Benzo[k] fluoranthene (TM)

26.96min 111.66ug/ml

response 2750811

Ion	Exp%	Act%
252.00	100	100
253.00	22.00	21.12
125.00	6.80	5.59
0.00	0.00	0.00

3/24/a wrong pk

D46701SP.D S03216.M Fri Mar 24 21:25:03 2006

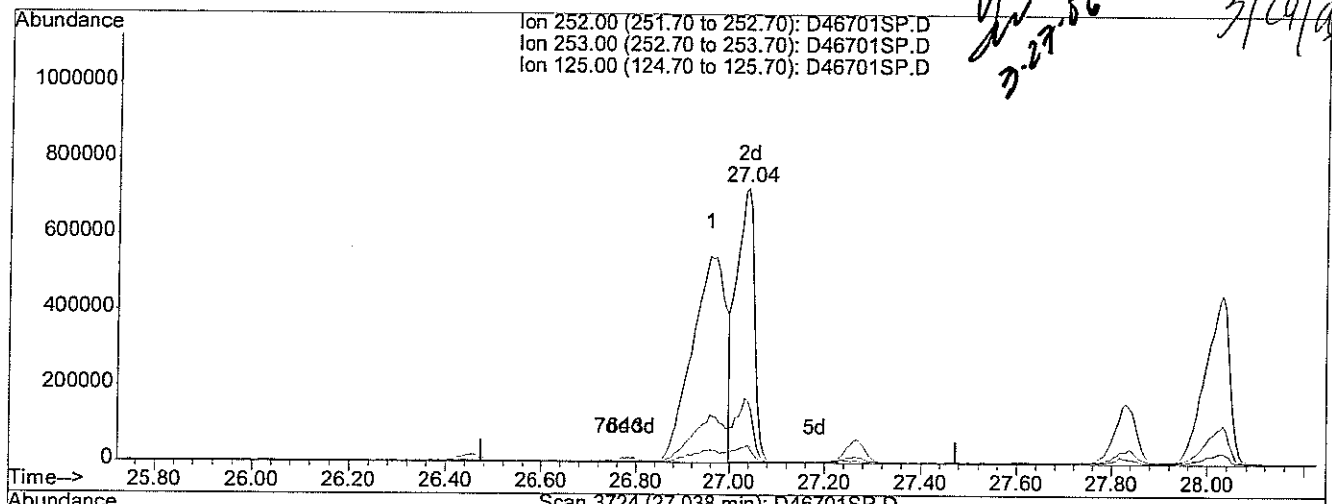
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\032306-D\D46701SP.D Vial: 11
Acq On : 24 Mar 2006 9:44 am Operator:
Sample : 56081-1,MSD Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 24 21:25 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Fri Mar 24 02:32:57 2006
Response via : Multiple Level Calibration

3-27-06

3/24/06



TIC: D46701SP.D

(82) Benzo[k] fluoranthene (TM)

27.04min 80.06ug/ml m

response 1972327

Ion	Exp%	Act%
252.00	100	100
253.00	22.00	29.46#
125.00	6.80	7.80
0.00	0.00	0.00

032306-D

Instrument D

Tune File: ABN.u

Voltage: 2200

Date: 3/23/06

Analyst: MW/SL/SM

IS only#: S6716 Exp: 9/16/06

Loading Check: MW/SL/SM

Unloading Check: MW

Vial	Meth File	Sample Info	Dil	Data File	Win ID	Comments
1	tunemix	S6618 tunemix 50	-	D46675T	✓ W-D-032306-1-SC	
2	S03216	S6723 PT3 20/40	-	76SC	✓	
3		S6678 Benzidines+FAmines 20	-	77SC	✓	
4		B032306AS	/	78B	✓	
5		LCB32306AS	/	79Q	✓	
6		LDB32306AS	/	80Q	✓	
7		56078-1 PAHs	/	81	~~All~~ IS Low bad injection RR	
8		↓ 2	/	82	✓	
9		56079-1	/	83	✓	
10		↓ -2	/	84	IS6=36%	RR
11		↓ -3	/	85	IS6=49%	RR
12		56081-1 S270S	/	86	TTEC	IS6=41% ALR 3/23/06
13		↓ -1,MS	/	87SP		IS6=33%
14	↓	↓ -1,MSD	/	88SP	Eflag	IS6=33%
7		56078-1 PAHs	-	89	IS6=45%	RR
168	AR 3/23/06	56051-2 8270S	2	90	500ul+500ul mecl2 IS6	RR
1	tunemix	S6618 tunemix 50ng	/	91T	✓ W-D-032306-2 ALR	
2	S03216	S6727 PT3 20/40	/	92SC	✓	
3		S6678 Benzidines+Amines 20	/	93SC	✓	
4		B032306AS	/	94B	✓	
5		56051-2 8270S	2	95	500ul + 500ul MeCl2	
6		56078-1 PAHs	/	96	✓ IS6 OK	
7		56079-2	/	97	✓ IS6 OK	
8		-3 ↓	/	98	✓	
9		56081-1 8270S	/	99	✓	
10		-1,MS	/	D46760	Many Failures due to	
11		-1,MSD	/	01	Matrix	
12	↓	56059-1 PAHs	/	02	✓ ↓	

032106-D

Instrument D

IS only#S6716 Exp: 9/14/06

Tune File: ABN.u Date: 3/21/06 Loading Check: ALR

Voltage: 2200 Analyst: ALR Unloading Check: MN

Vial	Meth File	Sample Info	Dil	Data File	Win ID	Comments
1	tunemix	S6618 tunemix 50ng	/	D46633T	32-D-032106-1	ALR
2	S03216	S6726 Pt1 2/4	/	345I	✓	
3		S6725 Pt2A 4/8	/	35	✓	
4		S6724 Pt2 10/20	/	36	✓	
5		S6723 Pt3 20/40	/	37	✓	
6		S6722 Pt4A 40/80	/	38	✓	
7		S6721 Pt4 50/100	/	39	✓	
8		S6720 Pt5 100/200	/	40	✓	
9		S6703 ABN CC 20/40	/	41	✓	
10	↓	S6650 Benzidine Res CC 20	/	42	✓ Benzidine: 241%	
1	tunemix	S6618-tunemix 50ng	/	43	32-D-032106-1	ALR
5	S03216	S6723 Pt3 20/40	/	44	✓	
11		B03216AW	/	45B	✓	
12		LW3216AW	/	46Q	✓	
13		LD3216AW	/	47Q	✓	
14		Blank - TCLP MS329	/	48	✓	
15		56062-1 625	/	49	✓	
16		56051-1 TB20W	/	50	✓	
17		-1,MS ↓	/	51	✓	
18		56044-1 625	10	52 ✓	100uL + 900uL MeCl2	
19		56027-1 8270S	20	53 ✓	50uL + 950uL	
20		56028-1	20	54 ✓	+ 950uL	
21	↓	56029-1 ↓	20	55 ✓	+ 950uL ↓	

MN 4/27/06

17

analytics environmental laboratory LLC

SEMI-VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Project #: CTO 1042 Quote #: NA SDG#: 56079

DFTPP File ID: D46633T.D Site ID: Subbase Groton Site 7 Location: CT

Instrument ID: D DFTPP Injection Date: 3/21/06

GC Column: RTX-5MS ID: 0.25(mm) DFTPP Injection Time: 2311

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
51	30 - 60% of mass 198	55.2
68	Less than 2% of mass 69	0.0 (0.0)1
69	Less than 100% of mass 198	71.8
70	Less than 2% of mass 69	0.3 (0.4)1
127	40 - 60% of mass 198	54.0
197	Less than 1% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5 - 9% of mass 198	6.9
275	10 - 30% of mass 198	22.7
365	1 - 100% of mass 198	3.1
441	.01 - 100% of mass 443	9.5 (81.9)2
442	40 - 100% of mass 198	60.0
443	17 - 23% of mass 442	11.6 (19.4)3

1-Value is % mass 69 2-Value is % mass 44 3-Value is % mass 442

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	S6726 PT1 2/4	S6726 PT1 2/4	D46634SI.D	3/21/06	23:29
02	S6725 PT2A 4/8	S6725 PT2A 4/8	D46635SI.D	3/21/06	0:02
03	S6724 PT2 10/20	S6724 PT2 10/20	D46636SI.D	3/22/06	0:47
04	S6723 PT3 20/40	S6723 PT3 20/40	D46637SI.D	3/22/06	1:02
05	S6722 PT4A 40/80	S6722 PT4A 40/80	D46638SI.D	3/22/06	2:08
06	S6721 PT4 50/100	S6721 PT4 50/100	D46639SI.D	3/22/06	2:41
07	S6720 PT5 100/200	S6720 PT5 100/200	D46640SI.D	3/22/06	3:19
08	S6703 ABN CC 20/40	S6703 ABN CC 20/4	D46641.D	3/22/06	3:52
09	S6690 BENZIDINES + AN	S6690 BENZIDINES	D46642.D	3/22/06	4:25
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					

Data File : D:\HPCHEM\1\DATA\032106-D\D46633T.D
Acq On : 21 Mar 2006 11:11 pm
Sample : S6618 TUNEMIX 50NG
Misc :
Integration Params: rteint.p

Vial: 1
Operator:
Inst : D Instrum
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX

AutoFind: Scans 469, 470, 471; Background Corrected with Scan 463

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	55.2	144125	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	71.8	187405	PASS
70	69	0.00	2	0.4	700	PASS
127	198	40	60	54.0	141089	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	261056	PASS
199	198	5	9	6.9	18040	PASS
275	198	10	30	22.7	59325	PASS
365	198	1	100	3.1	8206	PASS
441	443	0.01	100	81.9	24835	PASS
442	198	40	100	60.0	156595	PASS
443	442	17	23	19.4	30316	PASS

6633T.D TUNEMIX.M Wed Mar 22 00:29:19 2006

3/22/06

3-23-06

SEMI-VOLATILE
TUNE MIX CHECK

3/22/06

Sample Name **S6618 TUNEMIX 50NG**
Data File Name **D46633T.D**
Date Acquired **3/21/2006 11:11**

Name	Target Response
PENTACHLOROPHENOL	383038.00
BENZIDINE	975362.00
DDE	344.00
DDD	1734
DDT	665667

(0% - 20%)

%DDT BREAKDOWN = 0.31% ✓ **OK**

3.23.06

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\032106-D\D46633T.D Vial: 1
Acq On : 21 Mar 2006 11:11 pm Operator:
Sample : S6618 TUNEMIX 50NG Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Mar 22 0:29 2006 Quant Results File: TUNEMIX.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Mar 21 01:45:06 2006
Response via : Initial Calibration
DataAcq Meth : TUNE

3/22/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
1) PENTACHLOROPHENOL	9.67	266	383038	32.46	UG/L	100
2) DFTPP	10.20	198	406909	18.53	ug/ml	100
3) BENZIDINE	11.57	184	975362	17.65	UG/L	100
4) DDE	11.84	246	344	4.46	UG/L	100
5) DDD	12.25	235	1734	3.36	UG/L	100
6) DDT	12.63	235	665667	25.10	UG/L	100

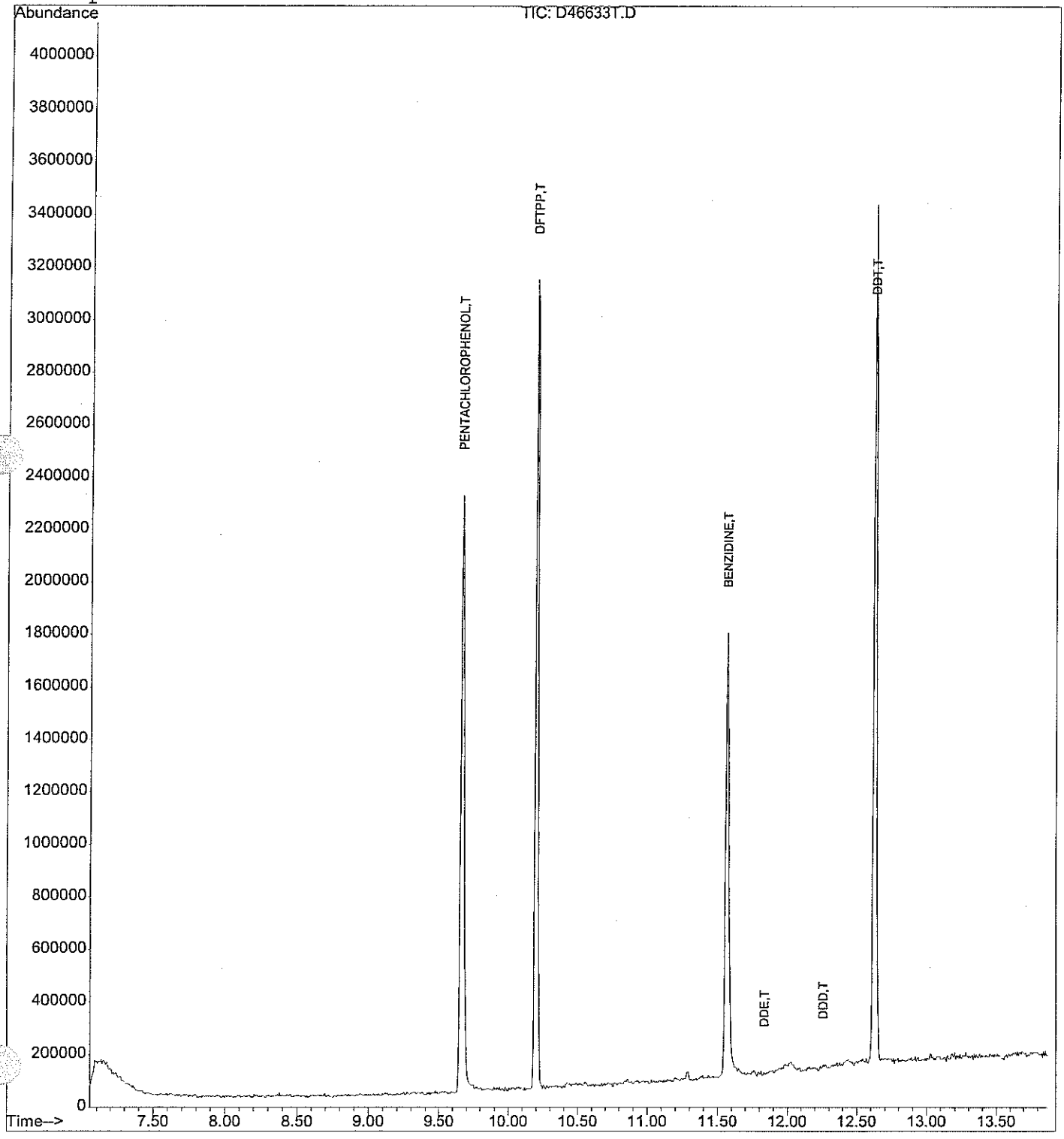
3-22-06

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\032106-D\D46633T.D Vial: 1
Acq On : 21 Mar 2006 11:11 pm Operator:
Sample : S6618 TUNEMIX 50NG Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 22 0:29 2006 Quant Results File: TUNEMIX.RES

Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Mar 21 01:45:06 2006
Response via : Initial Calibration



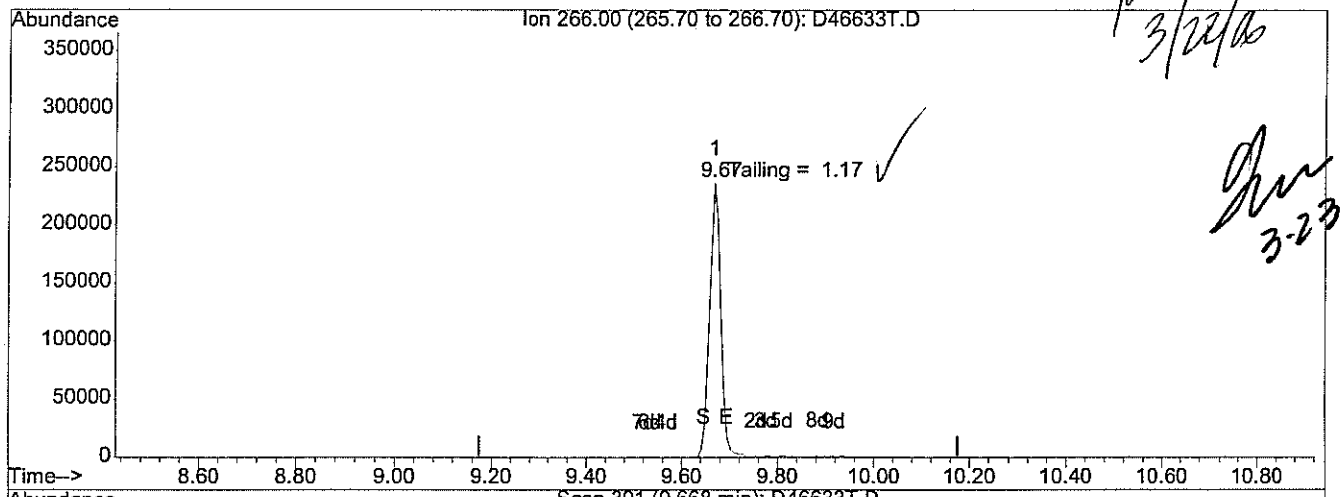
Quantitation Report (Qedit)

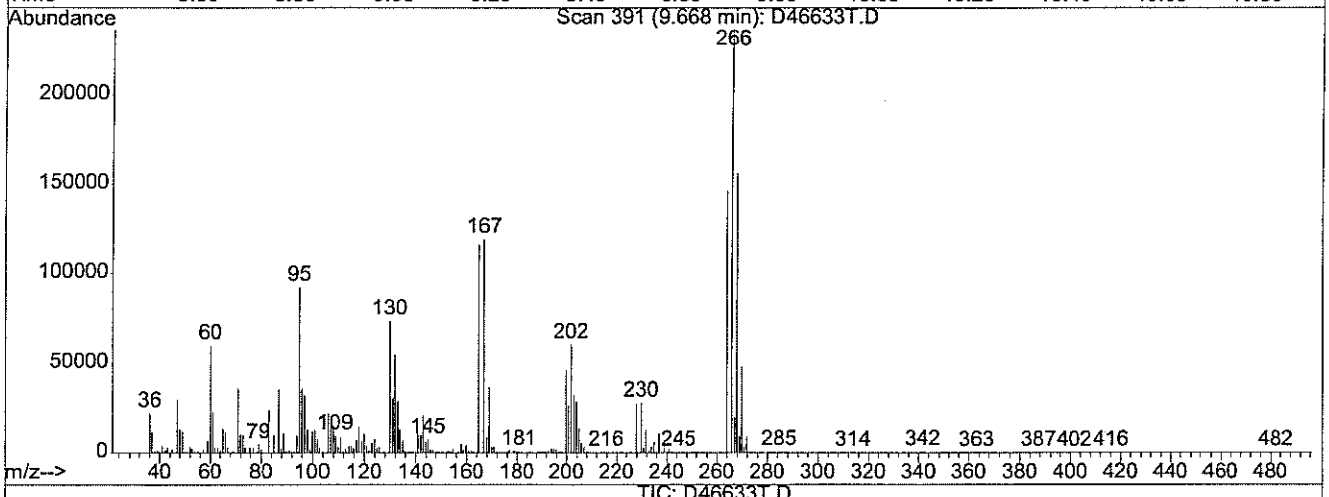
Data File : D:\HPCHEM\1\DATA\032106-D\D46633T.D Vial: 1
Acq On : 21 Mar 2006 11:11 pm Operator:
Sample : S6618 TUNEMIX 50NG Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 22 0:29 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Mar 21 01:45:06 2006
Response via : Single Level Calibration

3/22/06

3-23-06





TIC: D46633T.D

(1) PENTACHLOROPHENOL (T)

9.67min 32.46UG/L

response 383038

Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

D46633T.D TUNEMIX.M Wed Mar 22 00:29:55 2006

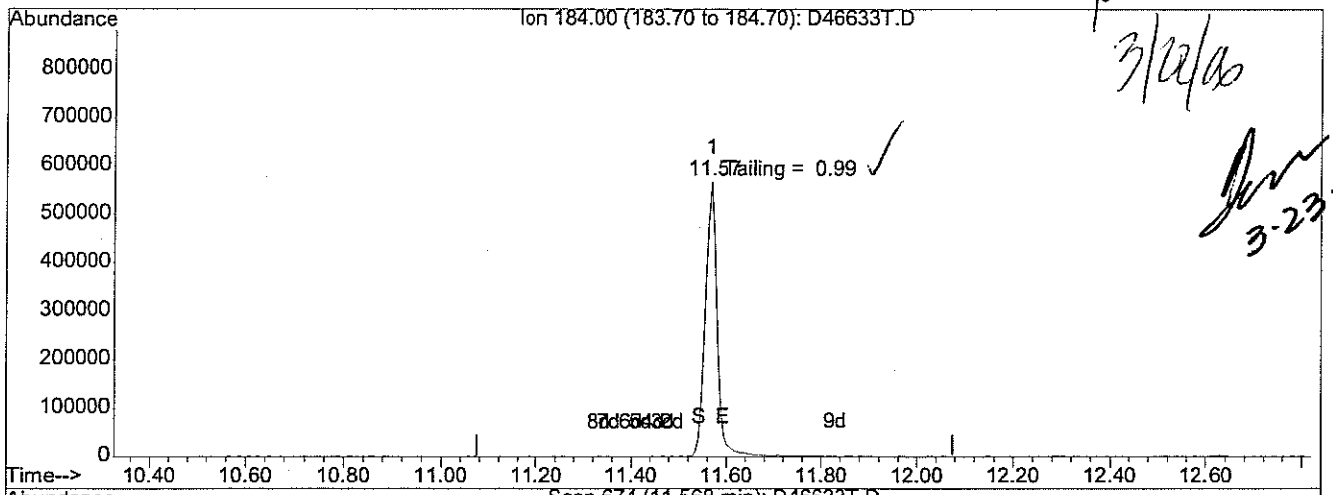
Quantitation Report (Qedit)

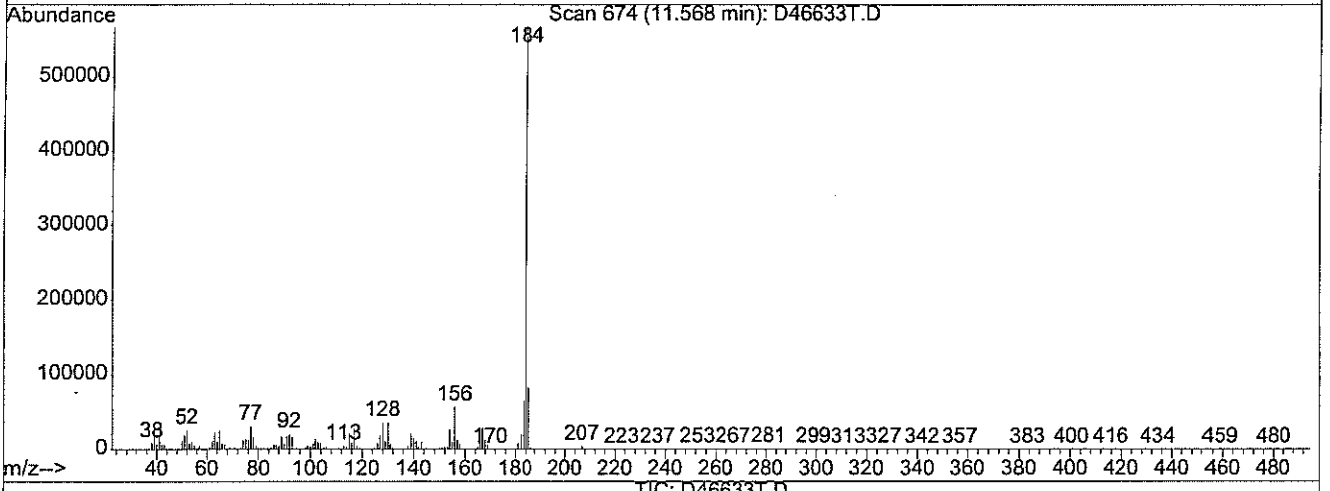
Data File : D:\HPCHEM\1\DATA\032106-D\D46633T.D Vial: 1
Acq On : 21 Mar 2006 11:11 pm Operator:
Sample : S6618 TUNEMIX 50NG Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 22 0:29 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Mar 21 01:45:06 2006
Response via : Single Level Calibration

3/22/06

3-23-06





TIC: D46633T.D

(3) BENZIDINE (T)

11.57min 17.65UG/L

response 975362

Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

D46633T.D TUNEMIX.M Wed Mar 22 00:30:02 2006

SEMI-VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Project #: CTO 1042 Quote #: NA SDG#: 56079

DFTPP File ID: D46675T.D Site ID: Subbase Groton Site 7 Location: CT

Instrument ID: D DFTPP Injection Date: 3/23/06

GC Column: RTX-5MS ID: 0.25(mm) DFTPP Injection Time: 1420

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
51	30 - 60% of mass 198	47.1
68	Less than 2% of mass 69	0.0 (0.0)1
69	Less than 100% of mass 198	64.5
70	Less than 2% of mass 69	0.3 (0.5)1
127	40 - 60% of mass 198	48.8
197	Less than 1% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5 - 9% of mass 198	6.7
275	10 - 30% of mass 198	23.6
365	1 - 100% of mass 198	2.9
441	.01 - 100% of mass 443	10.9 (76.7)2
442	40 - 100% of mass 198	70.7
443	17 - 23% of mass 442	14.3 (20.2)3

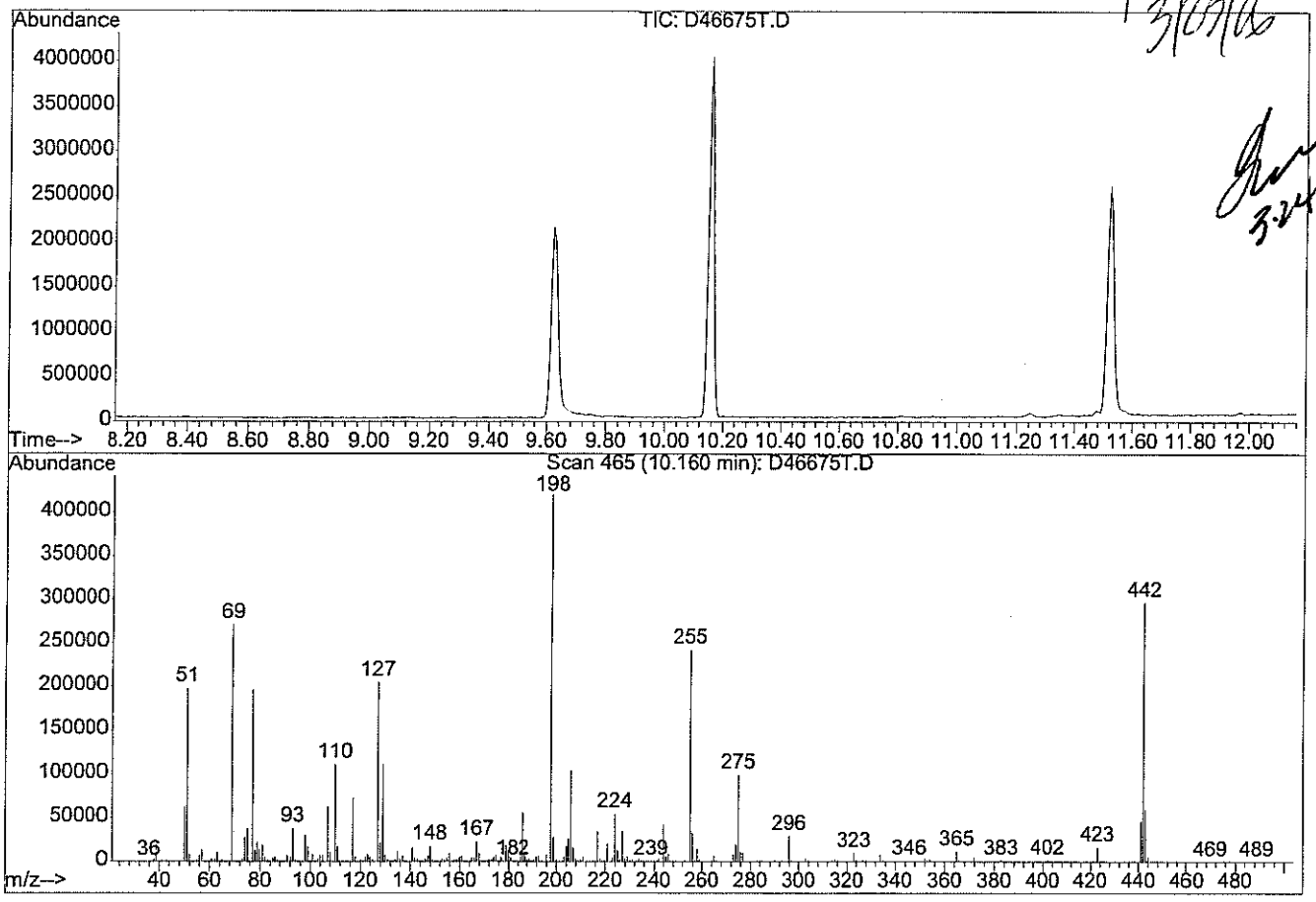
1-Value is % mass 69 2-Value is % mass 44 3-Value is % mass 442

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	S6723 PT3 20/40	S6723 PT3 20/40	D46676SC.D	3/23/06	15:22
02	ZZZZZ	ZZZZZ	D46677SC.D	3/23/06	16:07
03	B03236AS	B03236AS	D46678B.D	3/23/06	16:19
04	L03236AS	L03236AS	D46679Q.D	3/23/06	17:25
05	LD03236AS	LD03236AS	D46680Q.D	3/23/06	17:58
06	ZZZZZ	ZZZZZ	D46681.D	3/23/06	18:32
07	ZZZZZ	ZZZZZ	D46682.D	3/23/06	19:05
08	56079-1	56079-1	D46683.D	3/23/06	19:43
09	ZZZZZ	ZZZZZ	D46684.D	3/23/06	20:49
10	ZZZZZ	ZZZZZ	D46685.D	3/23/06	21:18
11	ZZZZZ	ZZZZZ	D46686.D	3/23/06	21:51
12	ZZZZZ	ZZZZZ	D46687SP.D	3/23/06	22:50
13	ZZZZZ	ZZZZZ	D46688SP.D	3/23/06	23:23
14	ZZZZZ	ZZZZZ	D46689.D	3/23/06	0:11
15	ZZZZZ	ZZZZZ	D46690.D	3/24/06	0:51
16					
17					
18					
19					
20					
21					
22					
23					

DFTPP

Data File : D:\HPCHEM\1\DATA\032306-D\D46675T.D Vial: 1
Acq On : 23 Mar 2006 2:20 pm Operator:
Sample : S6618 TUNEMIX 50NG Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX



Spectrum Information: Scan 465

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	47.1	198336	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	64.5	271552	PASS
70	69	0.00	2	0.5	1370	PASS
127	198	40	60	48.8	205184	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	420864	PASS
199	198	5	9	6.7	28088	PASS
275	198	10	30	23.6	99376	PASS
365	198	1	100	2.9	12156	PASS
441	443	0.01	100	76.7	46016	PASS
442	198	40	100	70.7	297472	PASS
443	442	17	23	20.2	60008	PASS

D46675T.D TUNEMIX.M Thu Mar 23 14:44:52 2006

3/23/06

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S6618 TUNEMIX 50NG**
Data File Name **D46675T.D**
Date Acquired **3/23/2006 2:20**

Name	Target Response
PENTACHLOROPHENOL	383835.00
BENZIDINE	1523276.00
DDE	956.00
DDD	14057
DDT	894277

3-24-06

(0% - 20%)

%DDT BREAKDOWN = 1.65% ✓ **OK**

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\032306-D\D46675T.D Vial: 1
Acq On : 23 Mar 2006 2:20 pm Operator:
Sample : S6618 TUNEMIX 50NG Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Mar 23 14:50 2006 Quant Results File: TUNEMIX.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX
Last Update : Thu Mar 23 14:50:50 2006
Response via : Initial Calibration
DataAcq Meth : TUNE

3-24-06

3/23/06

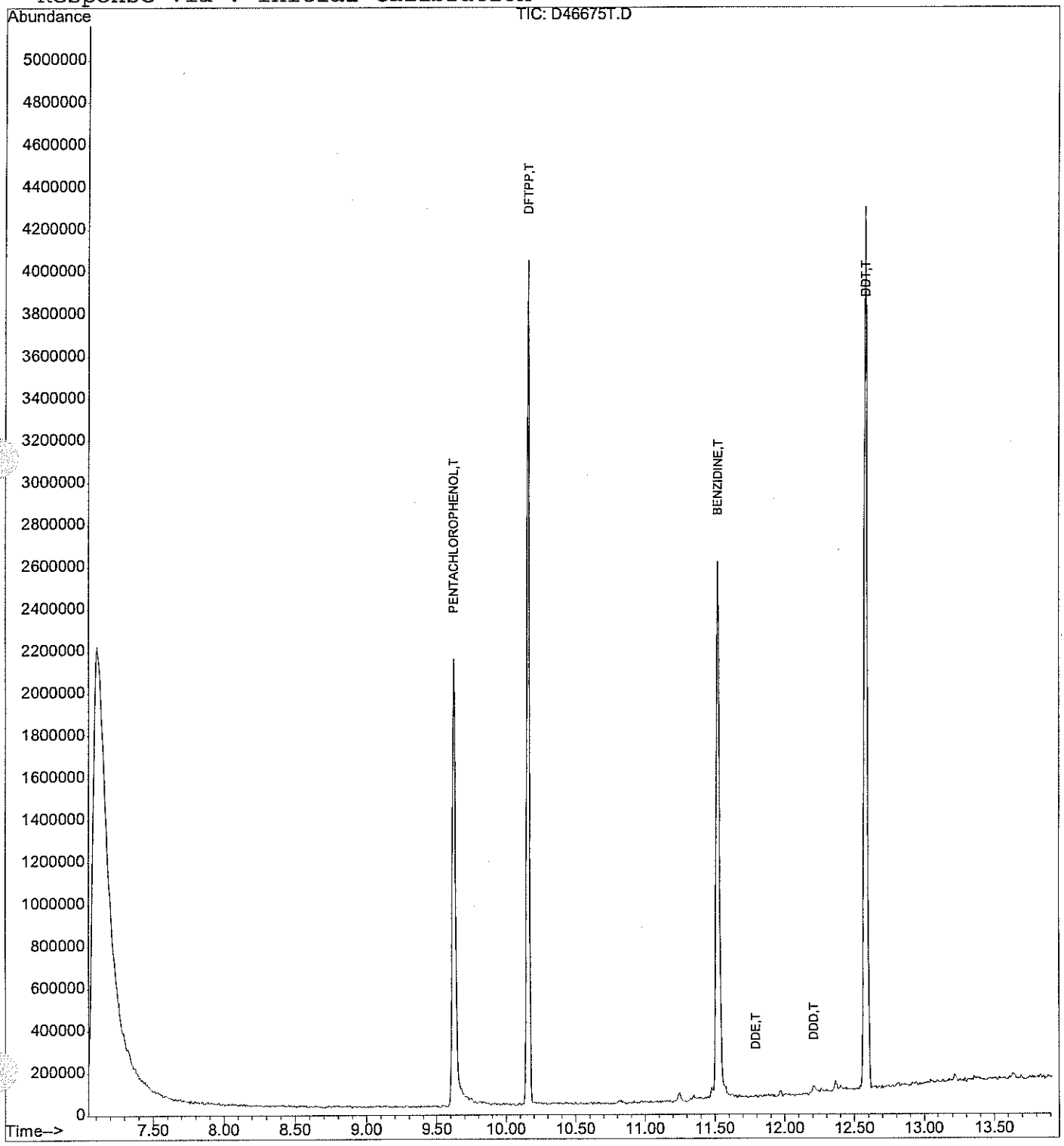
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
1) PENTACHLOROPHENOL	9.62	266	383835	32.53	UG/L	100
2) DFTPP	10.16	198	522173	23.77	ug/ml	100
3) BENZIDINE	11.52	184	1523276	27.57	UG/L	100
4) DDE	11.78	246	956	12.40	UG/L	100
5) DDD	12.21	235	14057	27.26	UG/L	100
6) DDT	12.58	235	894277	33.72	UG/L	100

(#) = qualifier out of range (m) = manual integration
D46675T.D TUNEMIX.M Thu Mar 23 14:54:13 2006 Page 1

Quantitation Report

Data File : D:\HPCHEM\1\DATA\032306-D\D46675T.D Vial: 1
Acq On : 23 Mar 2006 2:20 pm Operator:
Sample : S6618 TUNEMIX 50NG Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 23 14:50 2006 Quant Results File: TUNEMIX.RES

Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX
Last Update : Thu Mar 23 14:50:50 2006
Response via : Initial Calibration



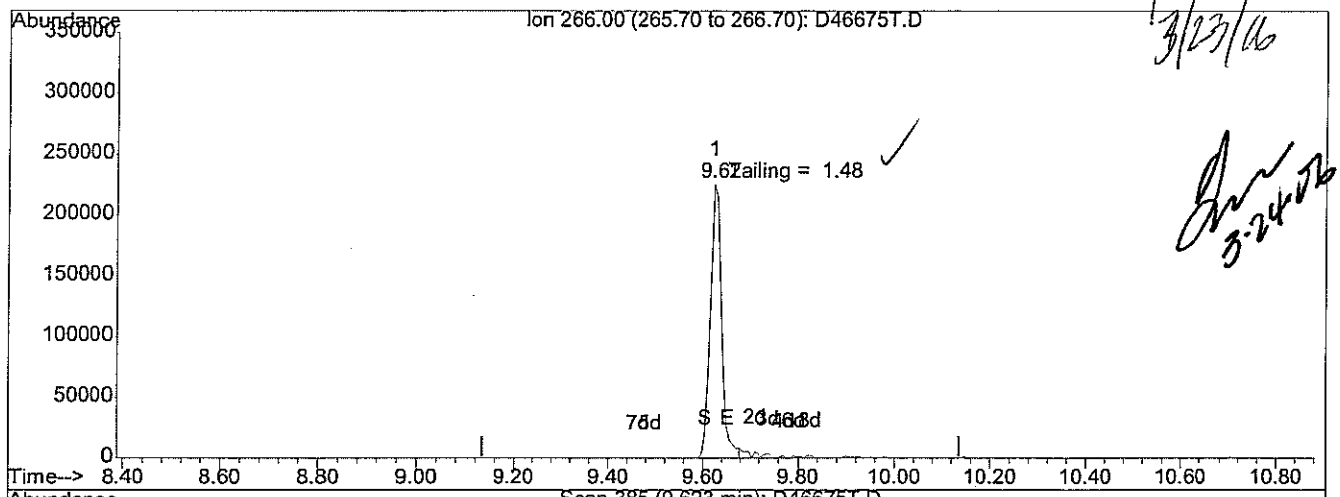
Quantitation Report (Qedit)

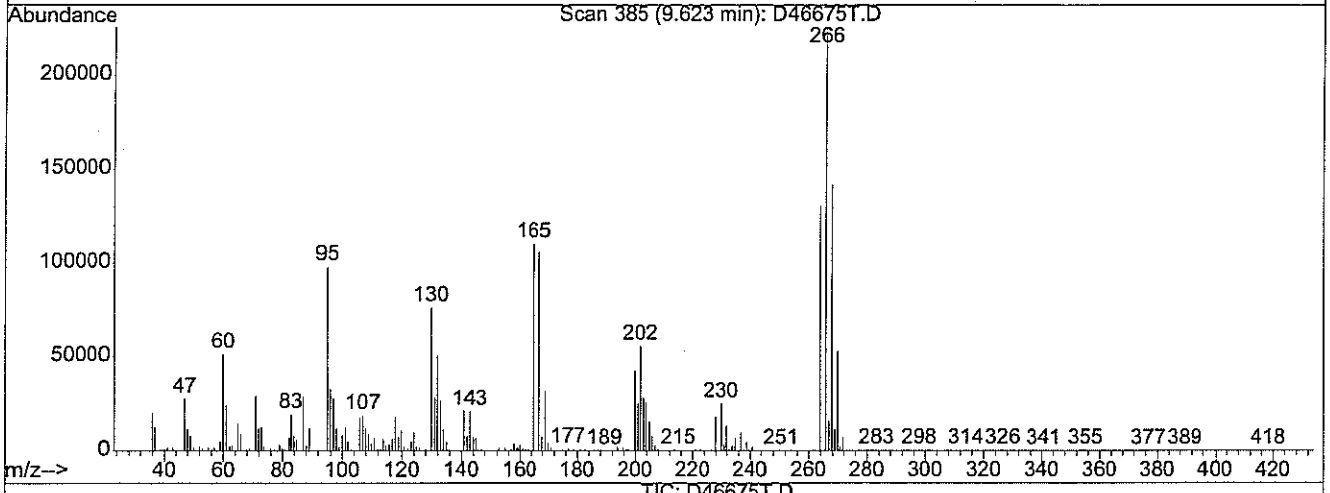
Data File : D:\HPCHEM\1\DATA\032306-D\D46675T.D Vial: 1
Acq On : 23 Mar 2006 2:20 pm Operator:
Sample : S6618 TUNEMIX 50NG Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 23 14:50 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX
Last Update : Thu Mar 23 14:50:50 2006
Response via : Single Level Calibration

3/23/06

3-24-06





TIC: D46675T.D

(1) PENTACHLOROPHENOL (T)

9.62min 32.53UG/L

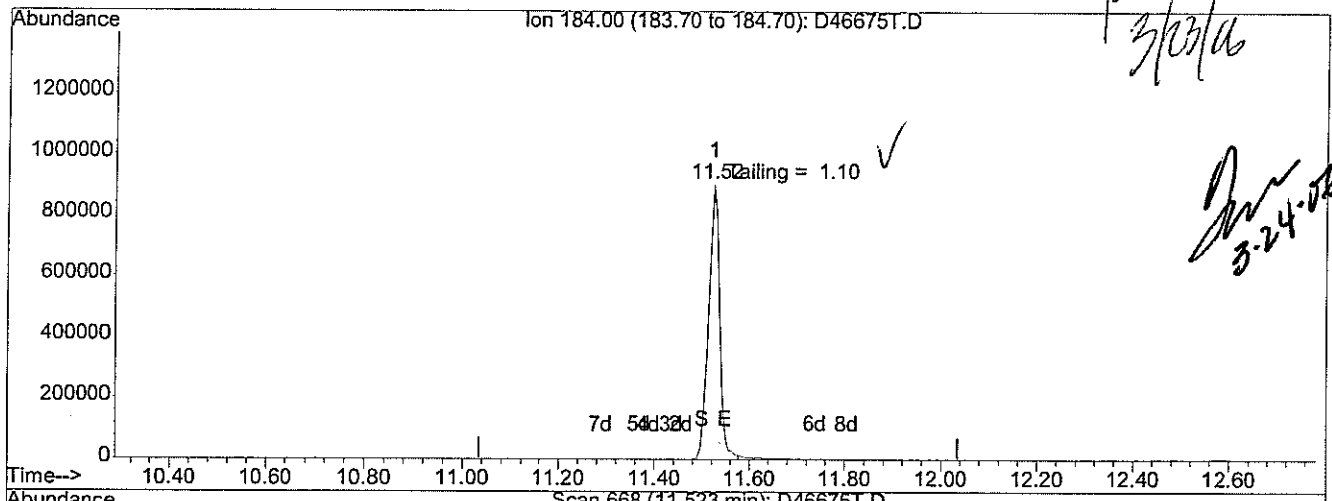
response 383835

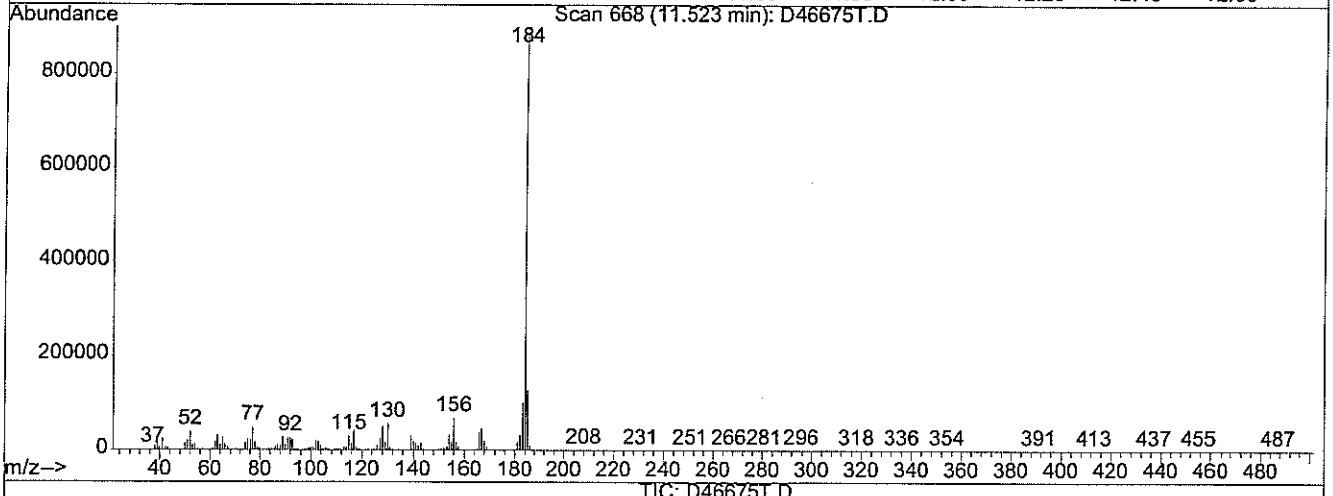
Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\032306-D\D46675T.D Vial: 1
Acq On : 23 Mar 2006 2:20 pm Operator:
Sample : S6618 TUNEMIX 50NG Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 23 14:50 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX
Last Update : Thu Mar 23 14:50:50 2006
Response via : Single Level Calibration





(3) BENZIDINE (T)

11.52min 27.57UG/L

response 1523276

Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

analytics environmental laboratory LLC

SEMI-VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Project #: CTO 1042 Quote #: NA SDG#: 56079

DFTPP File ID: D46691T.D Site ID: Subbase Groton Site 7 Location: CT

Instrument ID: D DFTPP Injection Date: 3/24/06

GC Column: RTX-5MS ID: 0.25(mm) DFTPP Injection Time: 0201

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
51	30 - 60% of mass 198	54.4
68	Less than 2% of mass 69	0.0 (0.0)1
69	Less than 100% of mass 198	71.7
70	Less than 2% of mass 69	0.3 (0.4)1
127	40 - 60% of mass 198	52.6
197	Less than 1% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5 - 9% of mass 198	7.2
275	10 - 30% of mass 198	22.8
365	1 - 100% of mass 198	2.9
441	.01 - 100% of mass 443	8.9 (78.0)2
442	40 - 100% of mass 198	60.5
443	17 - 23% of mass 442	11.4 (18.9)3

1-Value is % mass 69 2-Value is % mass 44 3-Value is % mass 442

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	S6727 PT3 20/40	S6727 PT3 20/40	D46692SC.D	3/24/06	2:16
02	ZZZZZ	ZZZZZ	D46693SC.D	3/24/06	2:58
03	B03236AS, RR	B03236AS, RR	D46694B.D	3/24/06	4:55
04	ZZZZZ	ZZZZZ	D46695.D	3/24/06	5:28
05	ZZZZZ	ZZZZZ	D46696.D	3/24/06	6:01
06	56079-2	56079-2	D46697.D	3/24/06	7:07
07	56079-3	56079-3	D46698.D	3/24/06	7:40
08	ZZZZZ	ZZZZZ	D46699.D	3/24/06	8:13
09	56081-1,MS	56081-1,MS	D46700SP.D	3/24/06	8:56
10	56081-1,MSD	56081-1,MSD	D46701SP.D	3/24/06	9:44
11	ZZZZZ	ZZZZZ	D46702.D	3/24/06	10:17
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					

DFTPP

Data File : D:\HPCHEM\1\DATA\032306-D\D46691T.D Vial: 1
Acq On : 24 Mar 2006 2:01 am Operator:
Sample : S6618 TUNEMIX 50NG Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: rteint.p

Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX

AM 3/24/06

AutoFind: Scans 461, 462, 463; Background Corrected with Scan 455

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	54.4	165251	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	71.7	217472	PASS
70	69	0.00	2	0.4	814	PASS
127	198	40	60	52.6	159739	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	303509	PASS
199	198	5	9	7.2	21988	PASS
275	198	10	30	22.8	69259	PASS
365	198	1	100	2.9	8722	PASS
441	443	0.01	100	78.0	27091	PASS
442	198	40	100	60.5	183499	PASS
443	442	17	23	18.9	34735	PASS

3-27-06

6691T.D TUNEMIX.M Fri Mar 24 02:25:28 2006

SEMI-VOLATILE
TUNE MIX CHECK

PM 3/24/06

Sample Name **S6618 TUNEMIX 50NG**
Data File Name **D46691T.D**
Date Acquired **3/24/2006 2:01**

Name	Target Response
PENTACHLOROPHENOL	330881.00
BENZIDINE	1142145.00
DDE	830.00
DDD	8162
DDT	809457

3.27.06

(0% - 20%)

%DDT BREAKDOWN = 1.10% ✓ **OK**

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\032306-D\D46691T.D Vial: 1
Acq On : 24 Mar 2006 2:01 am Operator:
Sample : S6618 TUNEMIX 50NG Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Mar 24 2:24 2006 Quant Results File: TUNEMIX.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX
Last Update : Fri Mar 24 02:24:21 2006
Response via : Initial Calibration
DataAcq Meth : TUNE

3.27.06

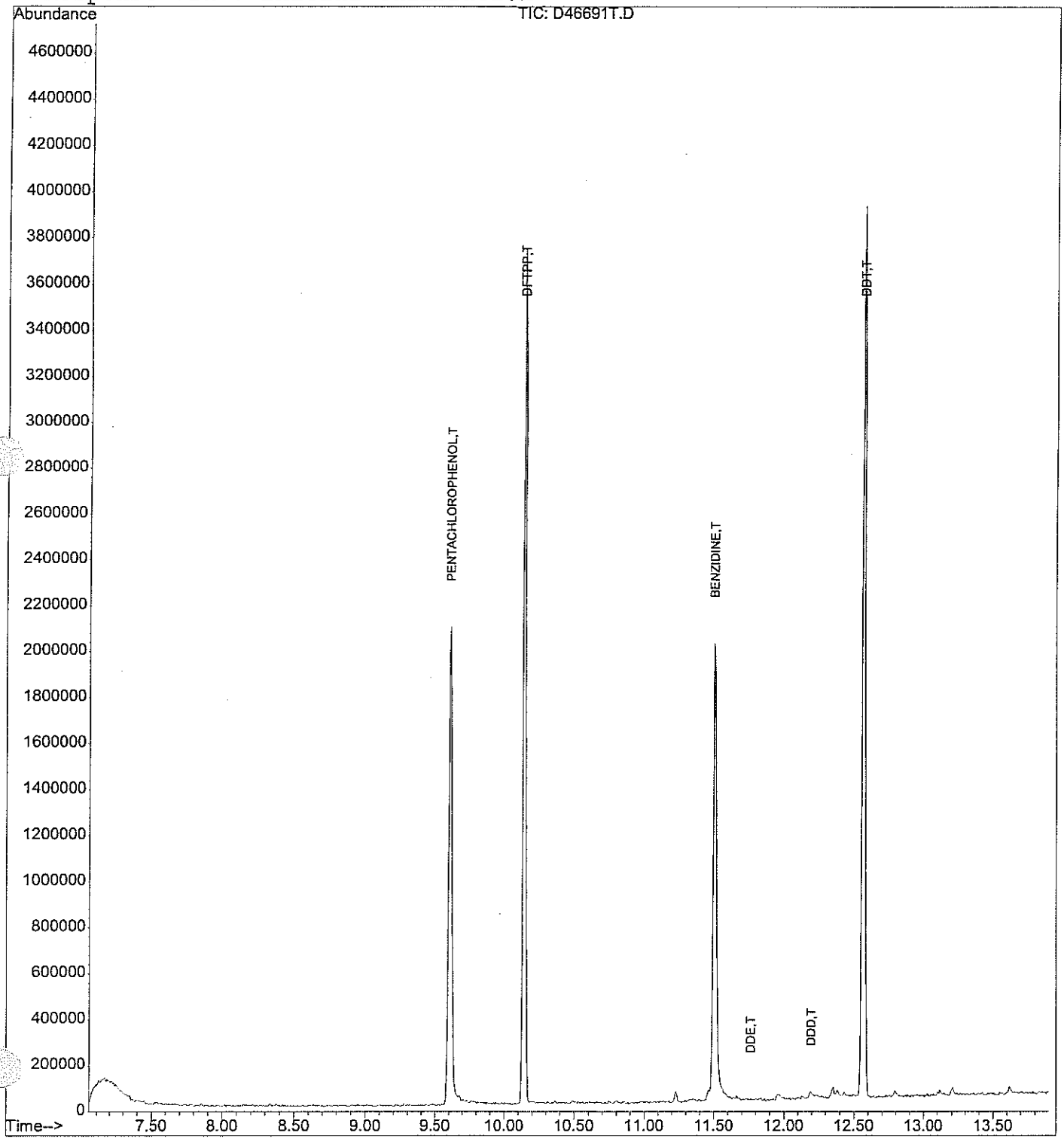
3/24/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
1) PENTACHLOROPHENOL	9.61	266	330881	28.04	UG/L	100
2) DFTPP	10.14	198	461042	20.99	ug/ml	100
3) BENZIDINE	11.51	184	1142145	20.67	UG/L	100
4) DDE	11.76	246	830	10.76	UG/L	100
5) DDD	12.19	235	8162	15.83	UG/L	100
6) DDT	12.57	235	809457	30.53	UG/L	100

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\032306-D\D46691T.D Vial: 1
Acq On : 24 Mar 2006 2:01 am Operator:
Sample : S6618 TUNEMIX 50NG Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 24 2:24 2006 Quant Results File: TUNEMIX.RES

Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX
Last Update : Fri Mar 24 02:24:21 2006
Response via : Initial Calibration



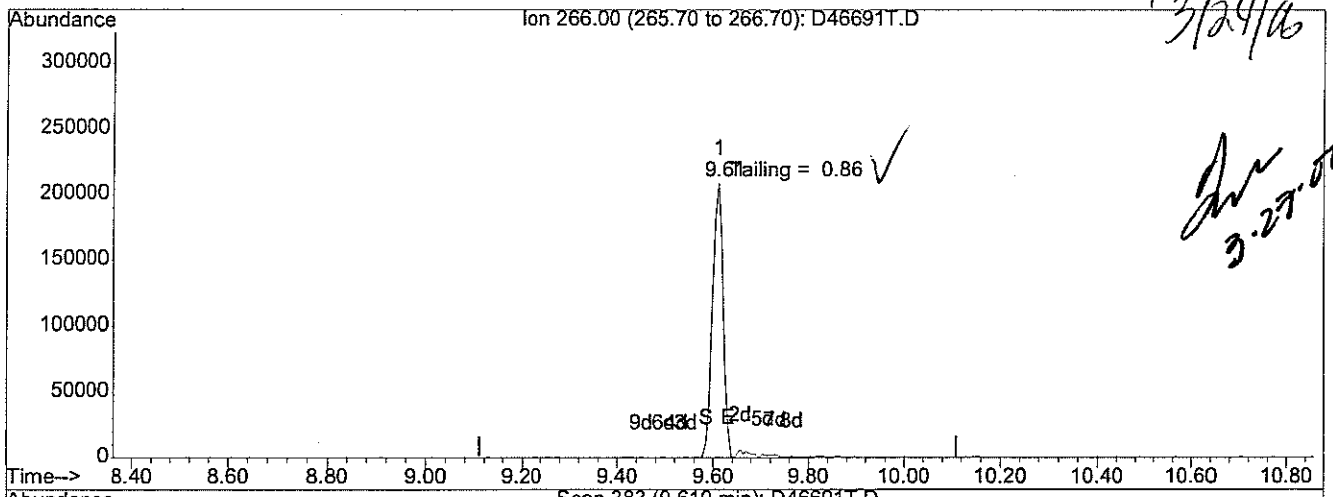
Quantitation Report (Qedit)

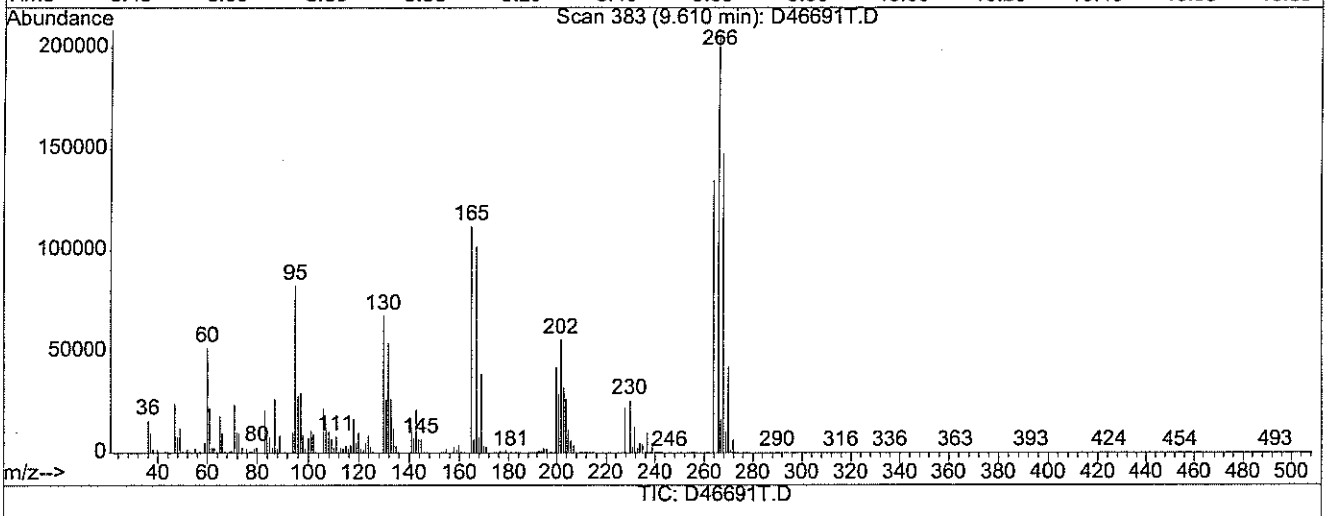
Data File : D:\HPCHEM\1\DATA\032306-D\D46691T.D Vial: 1
Acq On : 24 Mar 2006 2:01 am Operator:
Sample : S6618 TUNEMIX 50NG Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 24 2:24 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX
Last Update : Fri Mar 24 02:24:21 2006
Response via : Single Level Calibration

3/24/06

3.27.06





TIC: D46691T.D

(1) PENTACHLOROPHENOL (T)

9.61min 28.04UG/L

response 330881

Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

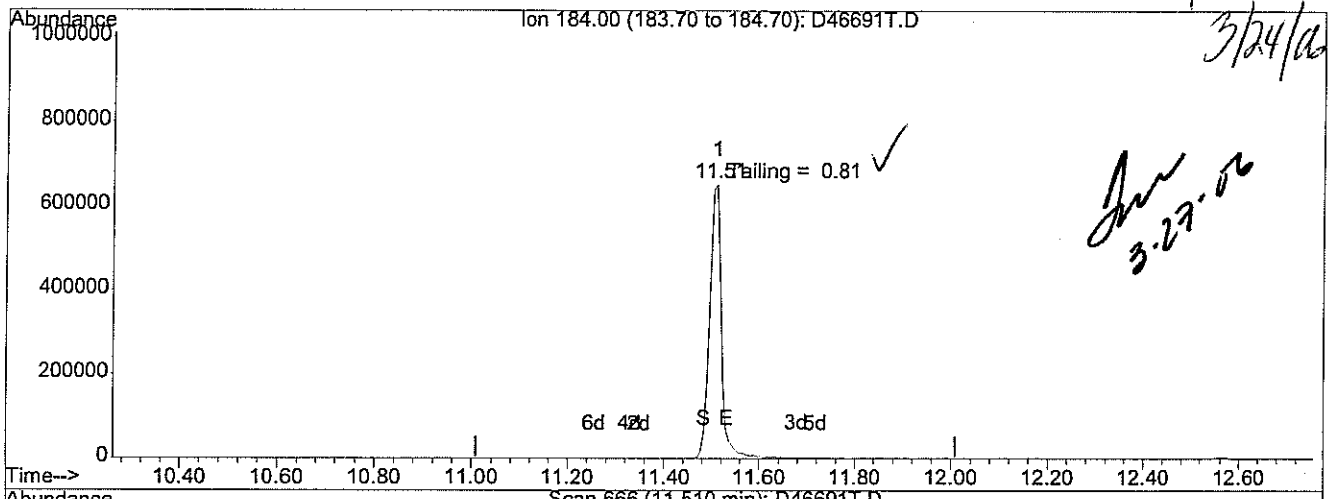
Quantitation Report (Qedit)

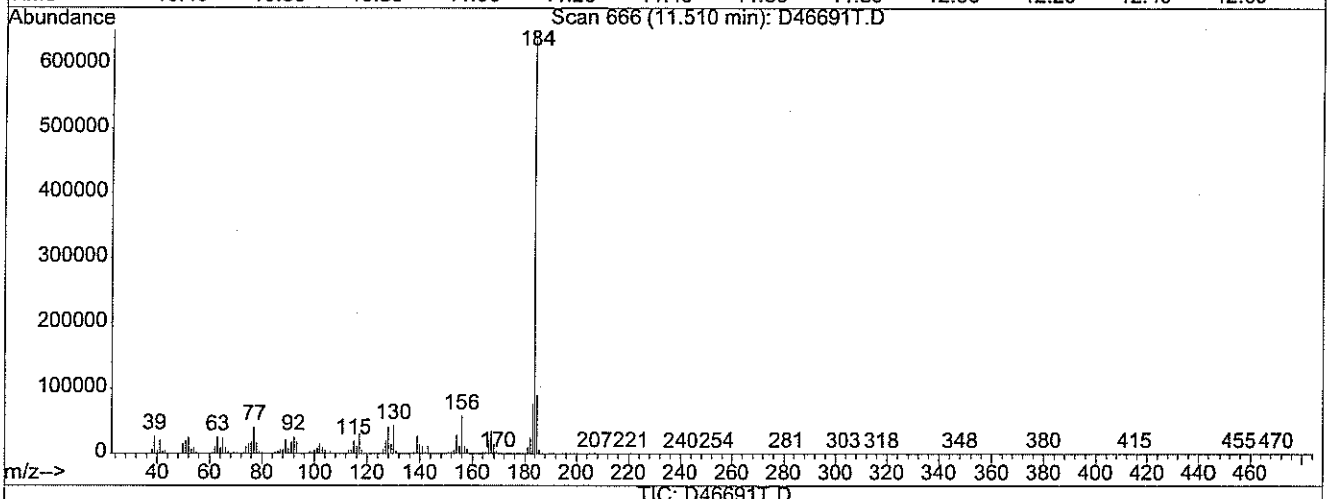
Data File : D:\HPCHEM\1\DATA\032306-D\D46691T.D Vial: 1
Acq On : 24 Mar 2006 2:01 am Operator:
Sample : S6618 TUNEMIX 50NG Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 24 2:24 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX
Last Update : Fri Mar 24 02:24:21 2006
Response via : Single Level Calibration

3/24/06

3.27.06





TIC: D46691T.D

(3) BENZIDINE (T)

11.51min 20.67UG/L

response 1142145

Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Response Factor Report D Instrum

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:25:41 2006
Response via : Initial Calibration

3-23-06

3/22/06

Calibration Files
1 =D46634SI.D 2 =D46636SI.D 3 =D46637SI.D
4 =D46639SI.D 5 =D46640SI.D 2A =D46635SI.D

		Compound	1	2	3	4	5	2A	Avg	%RSD
1)	I	d4-1,4-dichlorobenzen	ISTD							
2)	TM	Pyridine	0.881	1.043	0.872	0.938	0.898	0.828	0.913	7.48
3)	TM	N-nitrosodimethylam	1.217	1.230	1.253	1.322	1.271	1.248	1.265	3.13
4)	S	2-Fluorophenol	0.985	1.114	1.118	1.209	1.150	1.064	1.114	6.49
5)	S	d5-Phenol	1.198	1.297	1.342	1.428	1.368	1.250	1.321	5.95
6)	TM	Aniline	1.562	1.736	1.691	1.810	1.694	1.749	1.712	4.48
7)	TMC	Phenol	1.377	1.504	1.524	1.575	1.536	1.385	1.493	5.34
8)	TM	2-Chlorophenol	1.225	1.305	1.365	1.439	1.436	1.320	1.359	5.87
9)	TM	bis(2-chloroethyl)	0.989	1.143	1.171	1.199	1.053	1.118	1.125	7.07
10)	TM	1,3-Dichlorobenzene	1.541	1.552	1.531	1.600	1.554	1.542	1.562	1.99
11)	TMC	1,4-Dichlorobenzene	1.686	1.601	1.641	1.711	1.623	1.589	1.645	2.70
12)	TM	1,2-Dichlorobenzene	1.537	1.559	1.506	1.557	1.494	1.535	1.533	1.61
13)	TM	Benzyl Alcohol	0.516	0.774	0.770	0.832	0.778	0.686	0.733	14.30
14)	TM	2-Methylphenol	0.971	1.040	1.059	1.125	1.094	1.061	1.066	4.89
15)	TM	bis(2-chloroisoprop	1.898	2.234	2.187	2.250	2.007	2.227	2.149	6.51
16)	TM	3+4-Methylphenol	0.994	1.106	1.121	1.161	0.767	1.173	1.069	13.72
17)	TM	Hexachloroethane	0.652	0.698	0.696	0.704	0.685	0.703	0.690	2.59
18)	TMP	N-nitroso-di-n-prop	1.136	1.114	1.132	1.147	1.064	1.097	1.119	2.66
19)	I	d8-Naphthalene	ISTD							
20)	S	d5-nitrobenzene	0.446	0.511	0.513	0.540	0.525	0.488	0.510	6.66
21)	TM	Nitrobenzene	0.193	0.183	0.203	0.208	0.203	0.161	0.193	8.49
22)	TM	Isophorone	0.729	0.742	0.783	0.809	0.745	0.769	0.770	4.45
23)	TCM	2-Nitrophenol	0.212	0.227	0.229	0.242	0.240	0.211	0.230	6.09
24)	TM	2,4-Dimethylphenol	0.381	0.395	0.395	0.419	0.417	0.361	0.399	5.73
25)	TM	Bis(2-chloroethoxy)	0.365	0.376	0.409	0.420	0.407	0.367	0.395	6.31
26)	TCM	2,4-Dichlorophenol	0.312	0.321	0.329	0.362	0.372	0.313	0.338	7.34
27)	TM	Benzoic Acid	0.155	0.241	0.280	0.316	0.331	0.214	0.263	24.12
28)	TM	1,2,4-Trichlorobenz	0.352	0.366	0.369	0.369	0.386	0.347	0.366	3.53
29)	TM	Naphthalene	0.980	0.981	0.993	1.063	1.071	0.950	1.015	4.90
30)	T	2,6-Dichlorophenol	0.300	0.320	0.329	0.360	0.378	0.297	0.334	9.22
31)	TM	4-Chloroaniline	0.423	0.419	0.423	0.486	0.486	0.422	0.447	7.21
32)	TCM	Hexachlorobutadiene	0.216	0.229	0.223	0.237	0.241	0.217	0.229	4.45
33)	TMC	4-Chloro-3-methylph	0.299	0.321	0.348	0.360	0.354	0.305	0.334	7.51
34)	TM	2-Methylnaphthalene	0.539	0.564	0.572	0.605	0.616	0.543	0.576	5.18
35)	I	d10-Acenaphthene	ISTD							
36)	TPM	Hexachlorocyclopent	0.220	0.279	0.320	0.344	0.370	0.252	0.305	18.32
37)	TCM	2,4,6-Trichlorophen	0.390	0.406	0.419	0.443	0.485	0.390	0.425	8.10
38)	TM	2,4,5-Trichlorophen	0.396	0.414	0.425	0.454	0.466	0.378	0.425	7.41
39)	S	2-Fluorobiphenyl	1.275	1.322	1.359	1.415	1.478	1.257	1.359	5.90
40)	TM	2-Chloronaphthalene	1.104	1.148	1.175	1.234	1.336	1.084	1.188	7.34
41)	TM	2-Nitroaniline	0.418	0.443	0.444	0.458	0.453	0.395	0.436	5.09

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report D Instrum

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:25:41 2006
Response via : Initial Calibration

Calibration Files
1 =D46634SI.D 2 =D46636SI.D 3 =D46637SI.D
4 =D46639SI.D 5 =D46640SI.D 2A =D46635SI.D

		Compound	1	2	3	4	5	2A	Avg	%RSD
42)	TM	2,6-Dinitrotoluene	0.360	0.351	0.353	0.363	0.378	0.337	0.358	3.55
43)	TM	Dimethyl Phthalate	1.443	1.488	1.452	1.461	1.467	1.345	1.447	3.26
44)	TM	Acenaphthylene	1.709	1.759	1.797	1.817	1.860	1.712	1.786	3.42
45)	TM	3-Nitroaniline	0.302	0.353	0.364	0.369	0.377	0.330	0.354	8.03
46)	TMC	Acenaphthene	1.006	1.038	1.080	1.104	1.160	1.036	1.077	4.96
47)	TPM	2,4-dinitrophenol	0.117	0.195	0.231	0.266	0.287	0.156	0.216	29.17
48)	TM	Dibenzofuran	1.507	1.632	1.656	1.676	1.738	1.555	1.637	4.92
49)	TMP	4-Nitrophenol	0.268	0.318	0.318	0.350	0.360	0.283	0.323	11.60
50)	TM	2,4-Dinitrotoluene	0.421	0.471	0.485	0.497	0.499	0.448	0.473	6.18
51)	T	2,3,4,6-Tetrachloro	0.260	0.306	0.320	0.351	0.376	0.259	0.317	14.24
52)	TM	Fluorene	1.189	1.318	1.323	1.426	1.564	1.209	1.348	9.70
53)	TM	Diethyl Phthalate	1.453	1.574	1.535	1.516	1.542	1.499	1.521	2.49
54)	TM	4-Chlorophenyl phen	0.551	0.596	0.607	0.668	0.732	0.592	0.629	9.59
55)	TM	4-Nitroaniline	0.307	0.358	0.343	0.331	0.341	0.313	0.332	5.31
56)	TM	4,6-Dinitro-2-methy	0.225	0.299	0.314	0.332	0.360	0.261	0.303	15.31
57)	TCM	n-nitrosodiphenylam	0.827	0.819	0.842	0.894	0.974	0.787	0.860	7.15
58)	TM	Azobenzene	1.641	1.692	1.723	1.815	1.966	1.608	1.753	7.12
59)	TM	Biphenyl	1.556	1.553	1.581	1.632	1.755	1.418	1.593	6.56
60)	S	2,4,6-Tribromopheno	0.173	0.241	0.257	0.266	0.294	0.222	0.246	16.07
61)	I	d10-Phenanthrene	----------ISTD----------							
62)	TM	4-bromophenyl pheny	0.202	0.218	0.233	0.250	0.268	0.223	0.235	9.58
63)	TM	Hexachlorobenzene	0.268	0.258	0.272	0.296	0.311	0.265	0.280	6.84
64)	TMC	Pentachlorophenol		0.160	0.184	0.221	0.255	0.127	0.194	24.05#
65)	TM	Phenanthrene	0.986	0.991	1.057	1.107	1.121	1.007	1.053	5.54
66)	TM	Anthracene	0.953	1.029	1.033	1.087	1.104	1.004	1.042	5.13
67)	TM	Carbazole	0.905	0.938	0.950	0.978	0.966	0.914	0.943	2.79
68)	TM	Di-n-butyl phthalat	1.357	1.390	1.440	1.519	1.466	1.409	1.443	4.34
69)	TCM	Fluoranthene	0.965	1.049	1.076	1.167	1.143	0.980	1.075	7.58
70)	TM	Benzidine	0.428	0.378	0.351	0.304	0.260	0.436	0.353	18.52
71)	I	d12-Chrysene	----------ISTD----------							
72)	TM	Pyrene	1.182	1.284	1.233	1.252	1.171	1.251	1.232	3.29
73)	S	d14-p-terphenyl	0.950	0.932	0.941	0.970	0.931	0.884	0.939	2.98
74)	TM	Butyl benzyl phthal	0.772	0.741	0.759	0.758	0.705	0.753	0.751	3.06
75)	TM	Benzo[a]anthracene	1.056	1.056	1.088	1.133	1.089	1.075	1.091	3.11
76)	TM	Chrysene	0.987	1.010	1.008	1.045	0.996	0.962	1.006	2.83
77)	TM	3,3'-Dichlorobenzid	0.457	0.387	0.422	0.474	0.481	0.418	0.444	7.88
78)	TM	Bis (2-ethylhexyl)	1.013	0.945	0.939	0.979	0.933	0.948	0.961	2.99
79)	I	d12-Perylene	----------ISTD----------							
80)	TCM	di-n-octyl-phthalat	1.761	1.714	1.800	1.814	1.634	1.725	1.753	3.87
81)	TM	Benzo[b] fluoranthe	1.053	1.103	1.153	1.205	1.264	1.094	1.152	6.40
82)	TM	Benzo[k] fluoranthe	1.119	1.106	1.111	1.097	1.029	1.060	1.098	3.85

(#) = Out of Range ### Number of calibration levels exceeded format ###

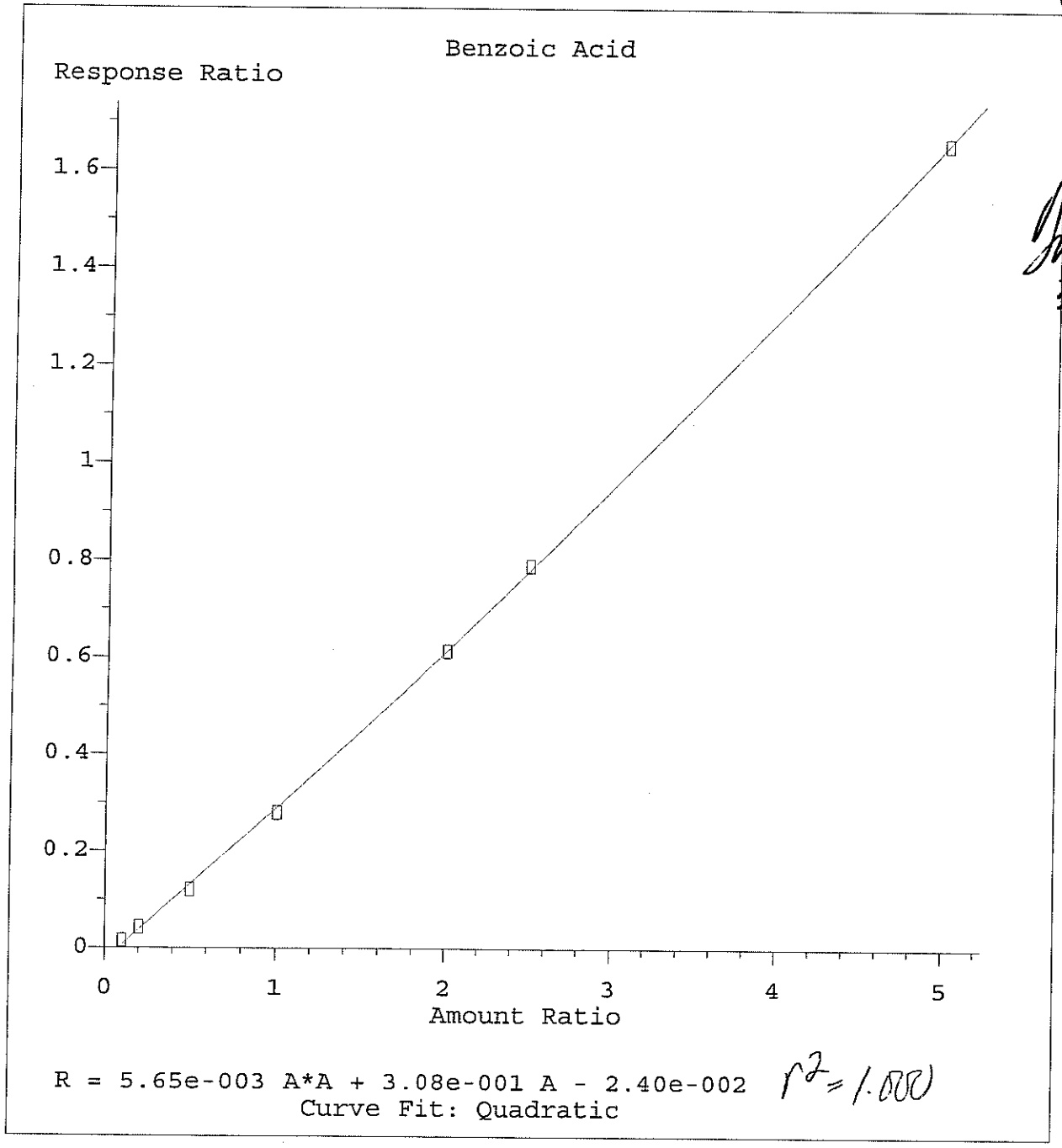
Response Factor Report D Instrum

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:25:41 2006
Response via : Initial Calibration

Calibration Files
1 =D46634SI.D 2 =D46636SI.D 3 =D46637SI.D
4 =D46639SI.D 5 =D46640SI.D 2A =D46635SI.D

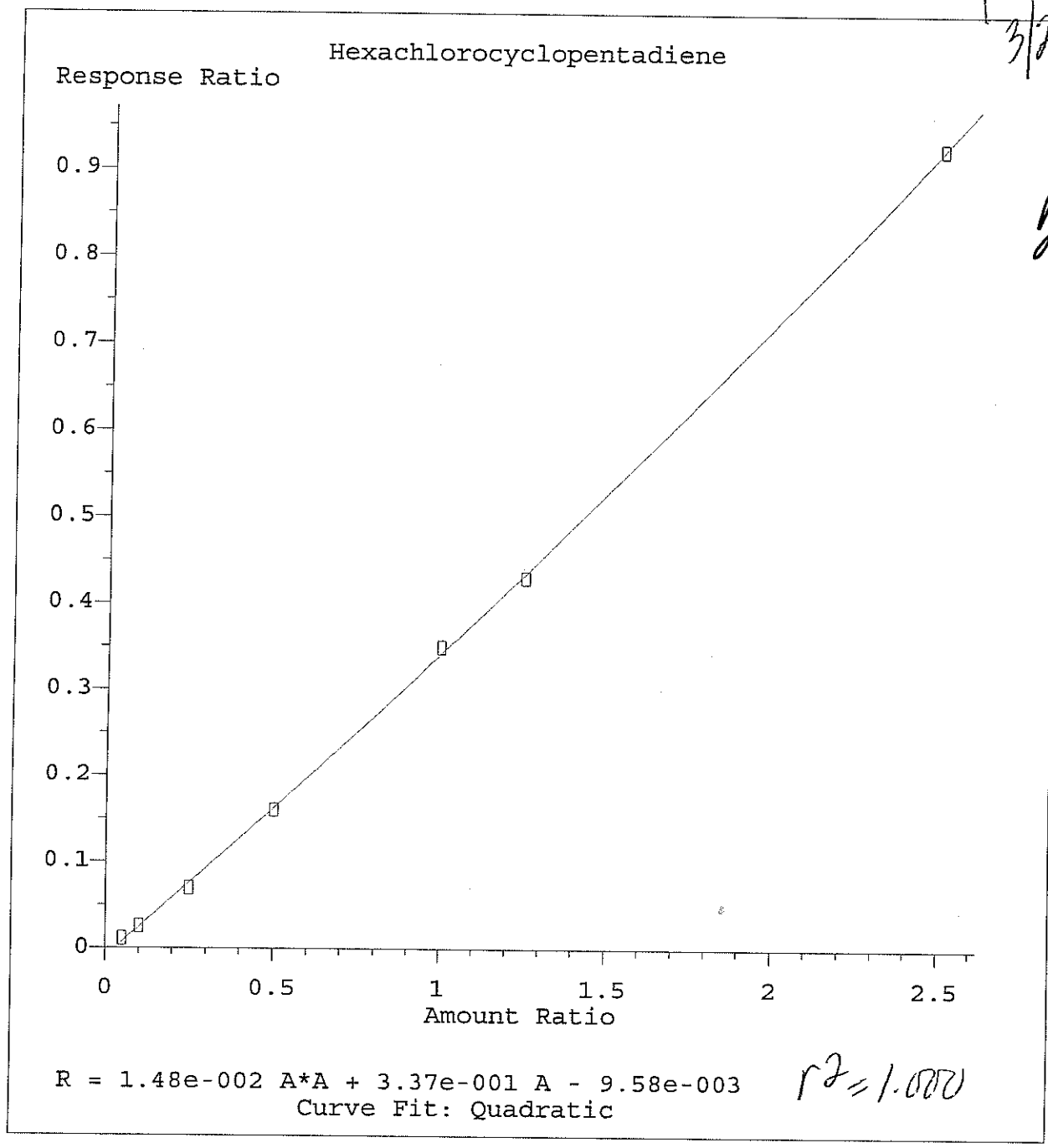
	Compound	1	2	3	4	5	2A	Avg	%RSD
83)	TCM Benzo[a] pyrene	1.057	1.037	1.069	1.112	1.124	1.025	1.077	3.77
84)	TM Indeno [1,2,3-cd] p	0.975	1.021	1.026	1.203	1.483	1.025	1.126	15.71
85)	TM Dibenz [a,h] anthra	1.009	0.999	1.031	1.224	1.325	1.080	1.118	11.01
86)	TM Benzo(g,h,i) peryl	1.010	0.973	0.905	1.078	1.074	0.999	1.011	5.98

(#) = Out of Range ### Number of calibration levels exceeded format ###



$r^2 = 1.000$

Method Name: D:\HPCHEM\1\METHODS\S03216.M
Calibration Table Last Updated: Wed Mar 22 21:19:01 2006



3/22/06

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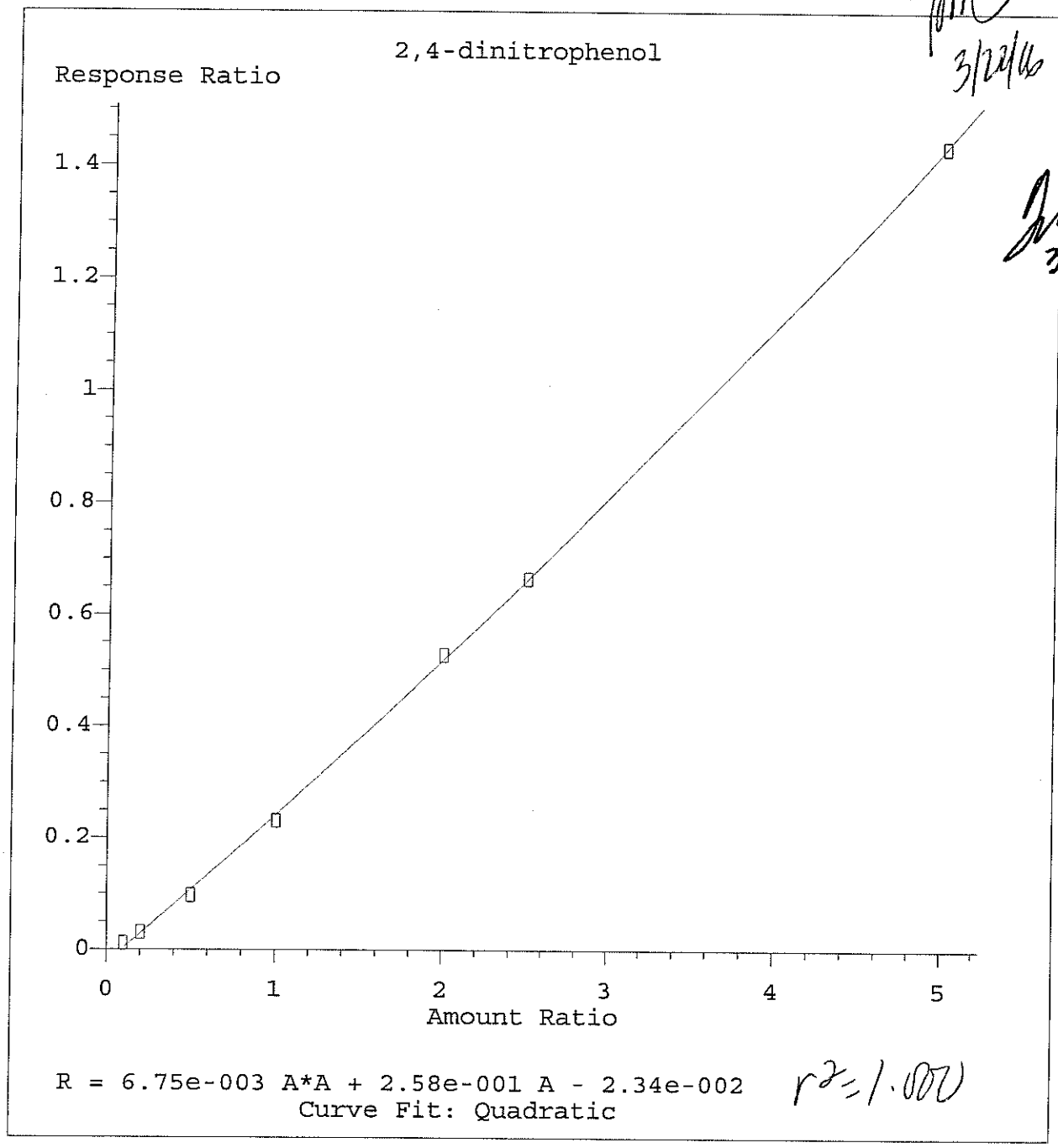
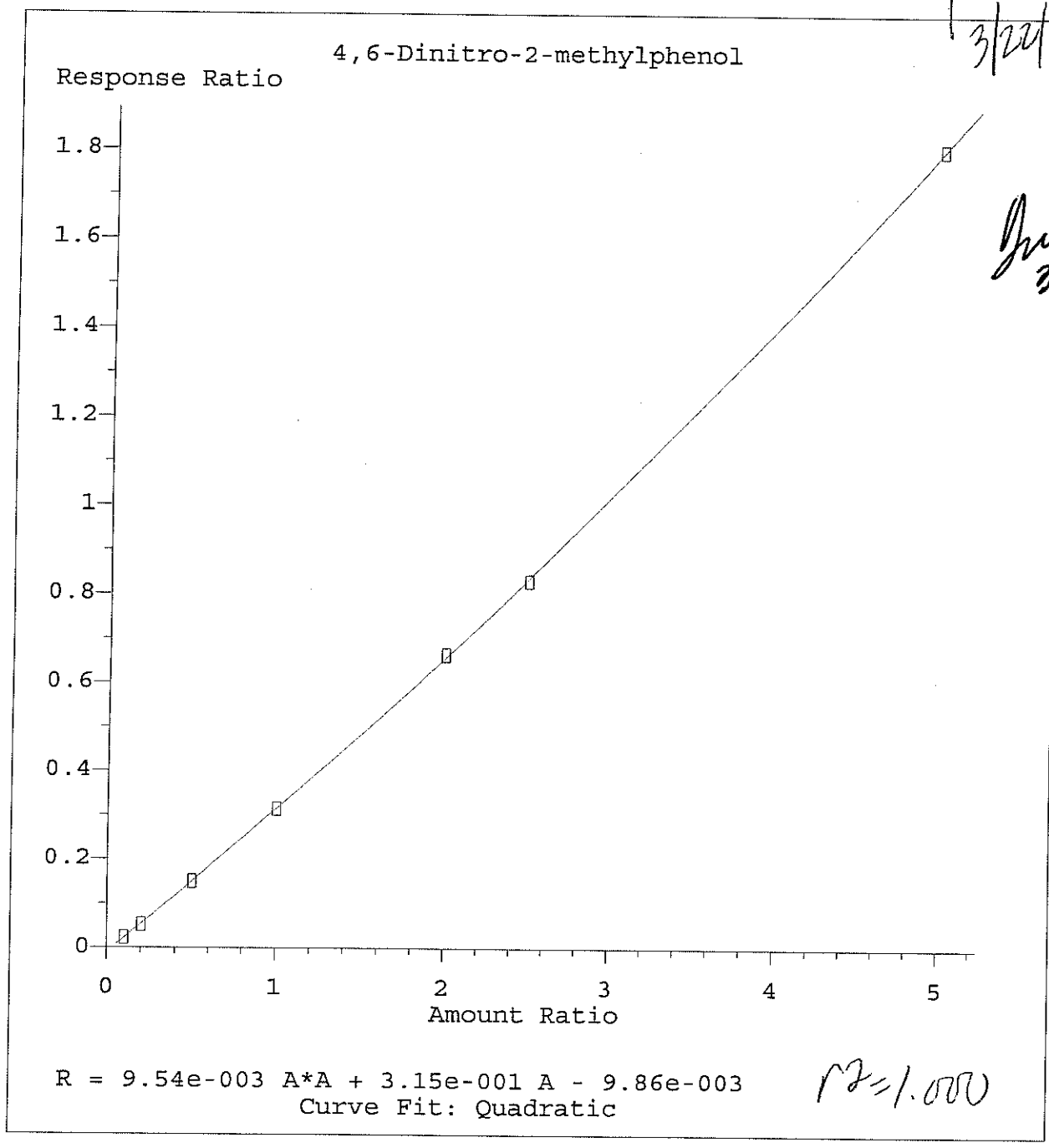
$r^2 = 1.000$

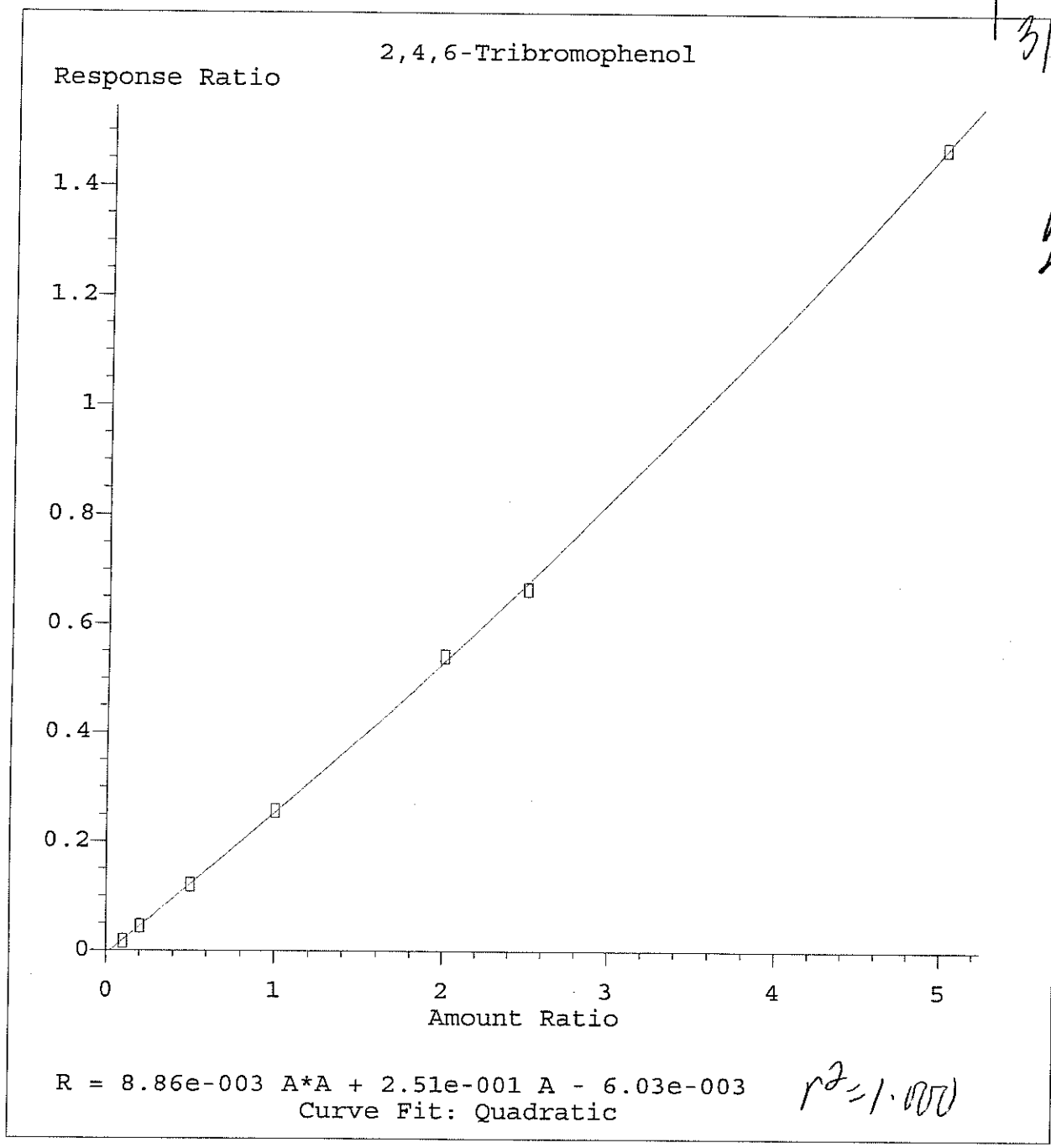
Method Name: D:\HPCHEM\1\METHODS\S03216.M
Calibration Table Last Updated: Wed Mar 22 21:20:54 2006



Method Name: D:\HPCHEM\1\METHODS\S03216.M
Calibration Table Last Updated: Wed Mar 22 21:21:05 2006



Method Name: D:\HPCHEM\1\METHODS\S03216.M
Calibration Table Last Updated: Wed Mar 22 21:21:15 2006

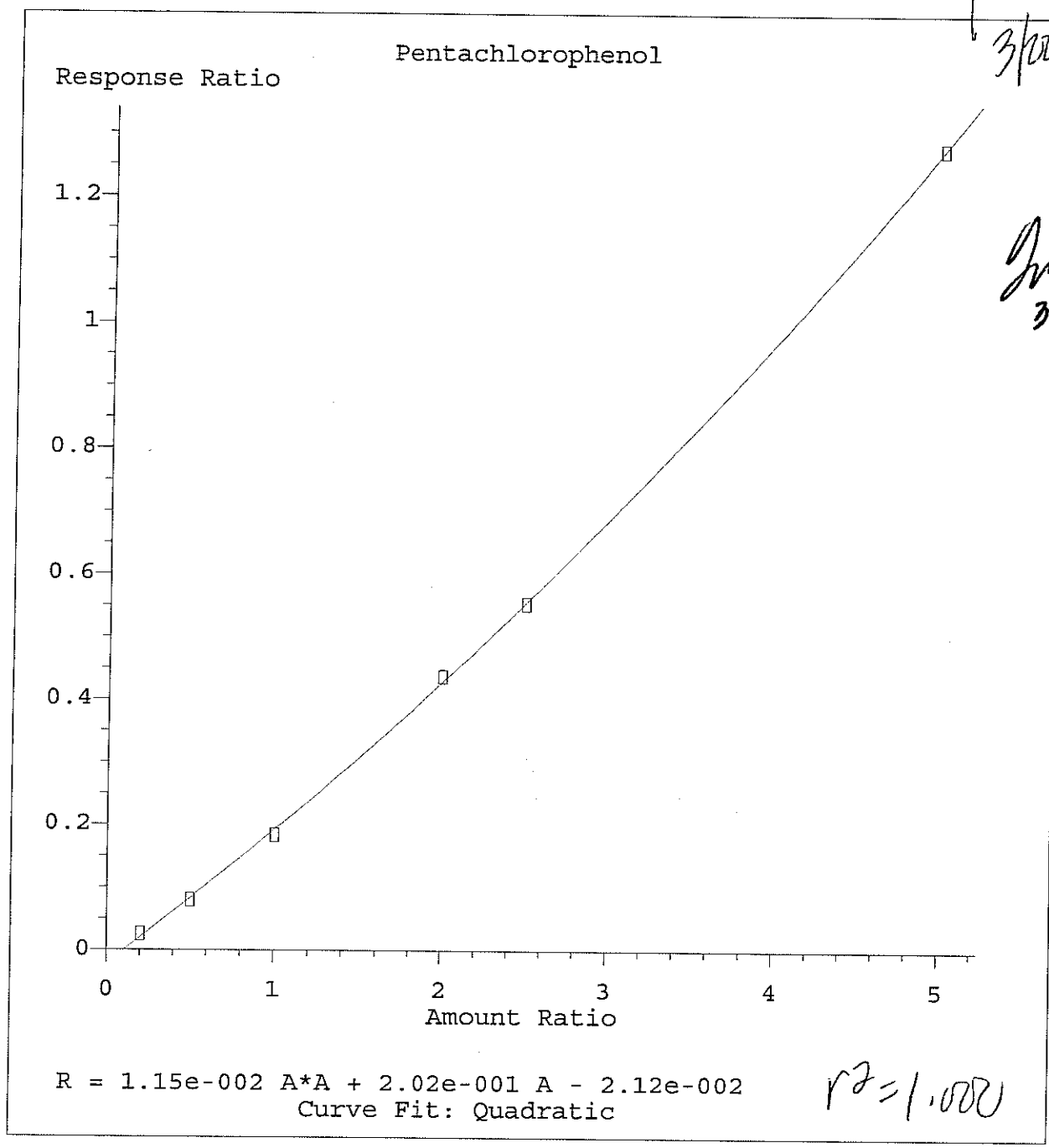


$r^2 = 1.000$

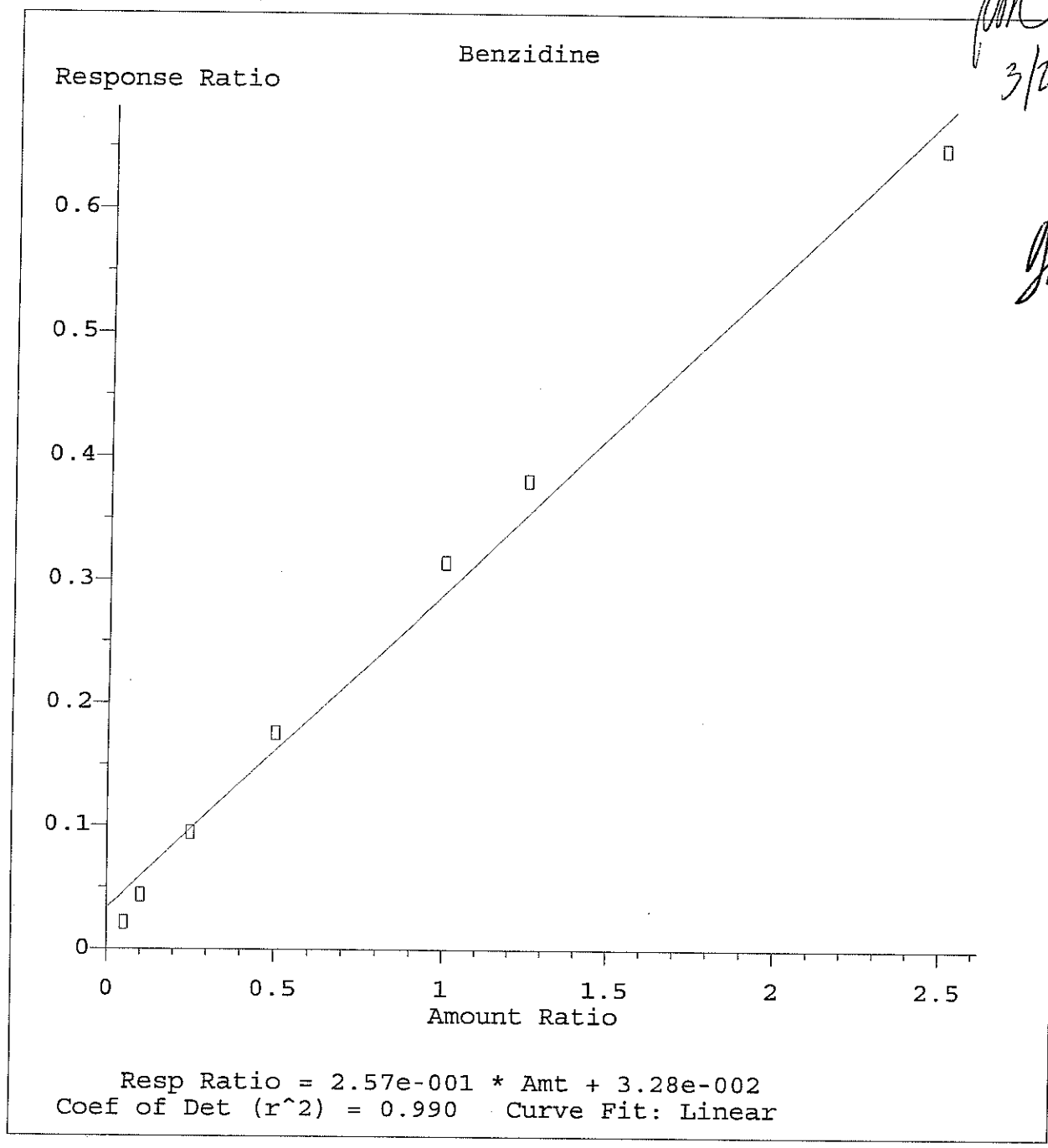
3/22/06

3.23.06

Method Name: D:\HPCHEM\1\METHODS\S03216.M
Calibration Table Last Updated: Wed Mar 22 21:21:24 2006



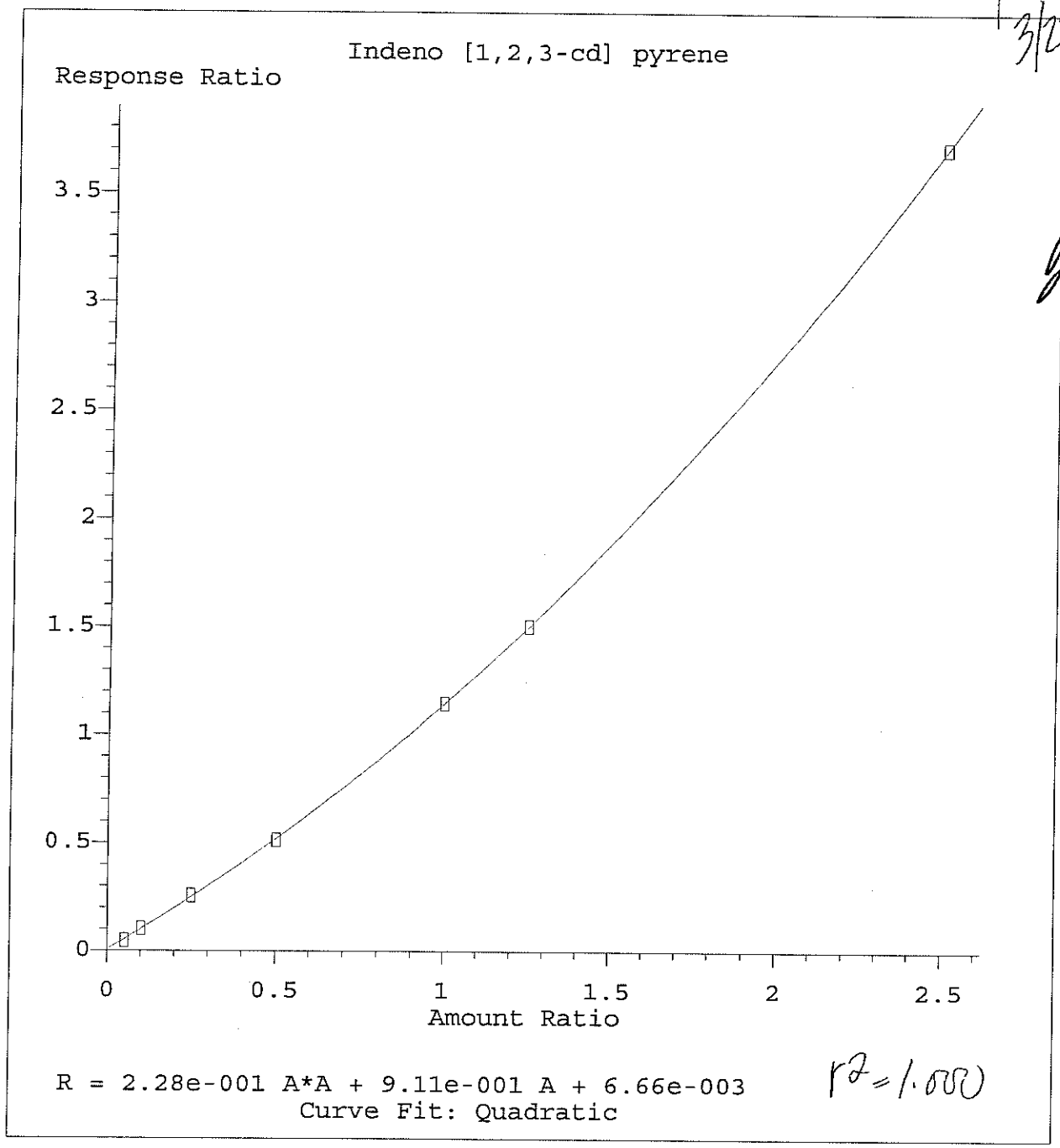
Method Name: D:\HPCHEM\1\METHODS\S03216.M
Calibration Table Last Updated: Wed Mar 22 21:21:31 2006



3/22/06

3-23-06

Method Name: D:\HPCHEM\1\METHODS\S03216.M
Calibration Table Last Updated: Wed Mar 22 21:21:55 2006



Method Name: D:\HPCHEM\1\METHODS\S03216.M
Calibration Table Last Updated: Wed Mar 22 21:22:24 2006

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\032106-D\D46634SI.D Vial: 2
Acq On : 21 Mar 2006 11:29 pm Operator:
Sample : S6726 PT1 2/4 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Mar 22 21:12 2006 Quant Results File: S03216.RES

Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:11:47 2006
Response via : Initial Calibration
DataAcq Meth : ABN

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	6.51	152	554090	40.00	ug/ml	0.01
19) d8-Naphthalene	9.44	136	2004264	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.75	164	1146072	40.00	ug/ml	0.00
61) d10-Phenanthrene	17.34	188	1940634	40.00	ug/ml	0.00
71) d12-Chrysene	23.87	240	1428628	40.00	ug/ml	0.00
79) d12-Perylene	28.30	264	1412208	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.04	112	54598	3.54	ug/ml	0.01
Spiked Amount 75.000	Range 28 - 110		Recovery = 4.72%#			
5) d5-Phenol	5.83	99	66360	3.63	ug/ml	0.00
Spiked Amount 75.000	Range 22 - 110		Recovery = 4.84%#			
20) d5-nitrobenzene	7.82	82	89428	3.50	ug/ml	0.00
Spiked Amount 50.000	Range 45 - 107		Recovery = 7.00%#			
39) 2-Fluorobiphenyl	12.12	172	146071	3.75	ug/ml	0.00
Spiked Amount 50.000	Range 44 - 102		Recovery = 7.50%#			
60) 2,4,6-Tribromophenol	15.71	330	19800	2.81	ug/ml	0.00
Spiked Amount 75.000	Range 63 - 127		Recovery = 3.75%#			
73) d14-p-terphenyl	21.29	244	135770	4.05	ug/ml	0.00
Spiked Amount 50.000	Range 33 - 132		Recovery = 8.10%#			
Target Compounds						Qvalue
2) Pyridine	2.25	79	24421m	1.97	ug/ml	
3) N-nitrosodimethylamine	2.18	42	33720	1.93	ug/ml	96
6) Aniline	5.91	93	43284	1.83	ug/ml#	13
7) Phenol	5.87	94	76304	3.69	ug/ml#	65
8) 2-Chlorophenol	6.13	128	67903	3.61	ug/ml	100
9) bis(2-chloroethyl) ether	6.02	93	27390	1.76	ug/ml	95
10) 1,3-Dichlorobenzene	6.43	146	42703	1.97	ug/ml	95
11) 1,4-Dichlorobenzene	6.53	146	46717	2.05	ug/ml#	81
12) 1,2-Dichlorobenzene	6.95	146	42572	2.00	ug/ml	92
13) Benzyl Alcohol	6.87	108	14291	1.41	ug/ml#	58
14) 2-Methylphenol	7.17	108	53809	3.64	ug/ml	94
15) bis(2-chloroisopropyl)ethe	7.20	45	52574	1.77	ug/ml	97
16) 3+4-Methylphenol	7.51	108	55072	3.72	ug/ml#	76
17) Hexachloroethane	7.63	117	18074	1.89	ug/ml	92
18) N-nitroso-di-n-propylamine	7.53	70	31486	2.03	ug/ml	92
21) Nitrobenzene	7.86	123	19292	2.00	ug/ml	99
22) Isophorone	8.40	82	73017	1.89	ug/ml	98
23) 2-Nitrophenol	8.61	139	42473	3.69	ug/ml	92
24) 2,4-Dimethylphenol	8.73	107	76327	3.82	ug/ml	91
25) Bis(2-chloroethoxy)methane	8.95	93	36531	1.85	ug/ml	98

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\032106-D\D46634SI.D Vial: 2
Acq On : 21 Mar 2006 11:29 pm Operator:
Sample : S6726 PT1 2/4 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Mar 22 21:12 2006 Quant Results File: S03216.RES

Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:11:47 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 2,4-Dichlorophenol	9.16	162	62594	3.70 ug/ml	98
27) Benzoic Acid	8.98	105	31029m	2.37 ug/ml	
28) 1,2,4-Trichlorobenzene	9.34	180	35316	1.93 ug/ml	98
29) Naphthalene	9.48	128	98253	1.93 ug/ml	100
30) 2,6-Dichlorophenol	9.71	162	60198	3.60 ug/ml	95
31) 4-Chloroaniline	9.71	127	42395	1.89 ug/ml	92
32) Hexachlorobutadiene	9.92	225	21696	1.89 ug/ml	96
33) 4-Chloro-3-methylphenol	10.95	107	60009	3.58 ug/ml	94
34) 2-Methylnaphthalene	11.15	141	54065	1.87 ug/ml	98
36) Hexachlorocyclopentadiene	11.71	237	12600	1.44 ug/ml	96
37) 2,4,6-Trichlorophenol	11.95	196	44705	3.67 ug/ml	100
38) 2,4,5-Trichlorophenol	12.05	196	45377	3.73 ug/ml	98
40) 2-Chloronaphthalene	12.33	162	63283	1.86 ug/ml	94
41) 2-Nitroaniline	12.73	138	23979	1.92 ug/ml	96
42) 2,6-Dinitrotoluene	13.43	165	20650	2.01 ug/ml	84
43) Dimethyl Phthalate	13.25	163	82707	1.99 ug/ml	97
44) Acenaphthylene	13.36	152	97904	1.91 ug/ml	97
45) 3-Nitroaniline	13.75	138	17330	1.71 ug/ml#	50
46) Acenaphthene	13.83	154	57657	1.87 ug/ml	94
47) 2,4-dinitrophenol	14.01	184	13374	2.16 ug/ml	99
48) Dibenzofuran	14.21	168	86378	1.84 ug/ml	94
49) 4-Nitrophenol	14.27	109	30687	3.32 ug/ml	92
50) 2,4-Dinitrotoluene	14.37	165	24098	1.78 ug/ml	99
51) 2,3,4,6-Tetrachlorophenol	14.66	232	29788	3.28 ug/ml	98
52) Fluorene	15.05	166	68149	1.76 ug/ml	97
53) Diethyl Phthalate	14.98	149	83264	1.91 ug/ml	97
54) 4-Chlorophenyl phenyl eth	15.09	204	31588	1.75 ug/ml	90
55) 4-Nitroaniline	15.26	138	17599	4.22 ug/ml#	1
56) 4,6-Dinitro-2-methylphenol	15.35	198	25830	2.97 ug/ml	99
57) n-nitrosodiphenylamine	15.41	169	47404	1.92 ug/ml	95
58) Azobenzene	15.46	77	94013	1.87 ug/ml	96
59) Biphenyl	12.32	154	89144	1.95 ug/ml	99
62) 4-bromophenyl phenyl ether	16.26	248	19602	1.72 ug/ml	95
63) Hexachlorobenzene	16.61	284	25960	1.91 ug/ml	94
64) Pentachlorophenol	17.09	266	4322	0.46 ug/ml#	1
65) Phenanthrene	17.39	178	95628	1.87 ug/ml	97
66) Anthracene	17.49	178	92453	1.83 ug/ml	98
67) Carbazole	17.95	167	87792	1.92 ug/ml	98
68) Di-n-butyl phthalate	18.96	149	131714	1.88 ug/ml	98
69) Fluoranthene	20.30	202	93594	1.80 ug/ml#	98
70) Benzidine	20.71	184	41521	2.42 ug/ml#	94

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\032106-D\D46634SI.D Vial: 2
Acq On : 21 Mar 2006 11:29 pm Operator:
Sample : S6726 PT1 2/4 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Mar 22 21:12 2006 Quant Results File: S03216.RES

Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:11:47 2006
Response via : Initial Calibration
DataAcq Meth : ABN

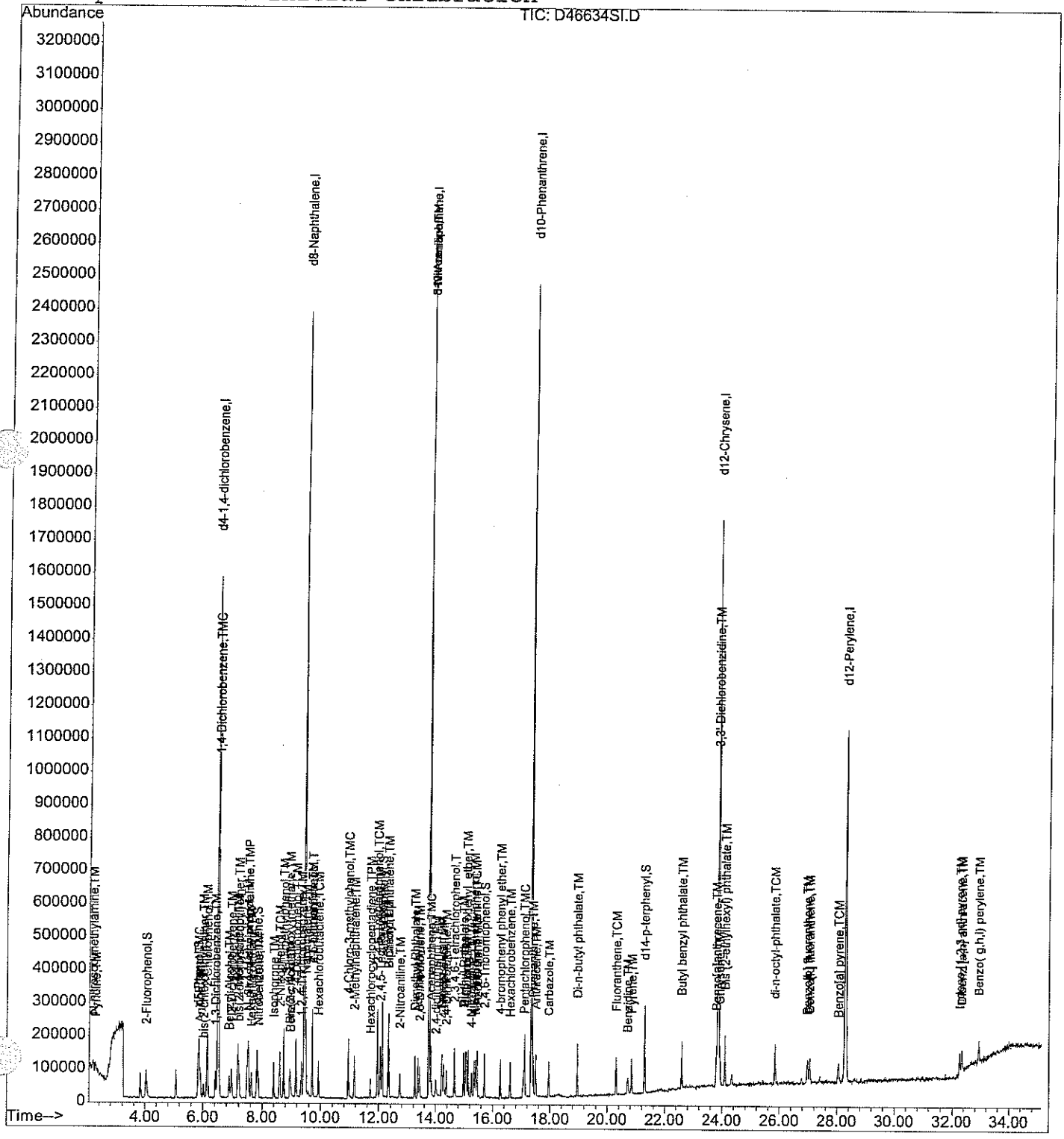
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
72) Pyrene	20.85	202	84429	1.92 ug/ml#	97
74) Butyl benzyl phthalate	22.59	149	55116	2.05 ug/ml	89
75) Benzo[a]anthracene	23.80	228	75457	1.94 ug/ml	100
76) Chrysene	23.92	228	70528	1.96 ug/ml#	83
77) 3,3'-Dichlorobenzidine	23.84	252	32647	2.06 ug/ml#	98
78) Bis (2-ethylhexyl) phthala	24.10	149	72366	2.11 ug/ml	98
80) di-n-octyl-phthalate	25.85	149	124325	2.01 ug/ml#	88
81) Benzo[b] fluoranthene	26.96	252	74351	1.83 ug/ml#	93
82) Benzo[k] fluoranthene	27.04	252	79037	2.04 ug/ml#	96
83) Benzo[a] pyrene	28.06	252	74635	1.96 ug/ml#	97
84) Indeno [1,2,3-cd] pyrene	32.26	276	68879	1.73 ug/ml#	66
85) Dibenz [a,h] anthracene	32.34	278	71226	1.80 ug/ml#	95
86) Benzo(g,h,i) perylene	32.94	276	71341	2.00 ug/ml	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\032106-D\D46634SI.D Vial: 2
Acq On : 21 Mar 2006 11:29 pm Operator:
Sample : S6726 PT1 2/4 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 22 21:12 2006 Quant Results File: S03216.RES

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:11:47 2006
Response via : Initial Calibration



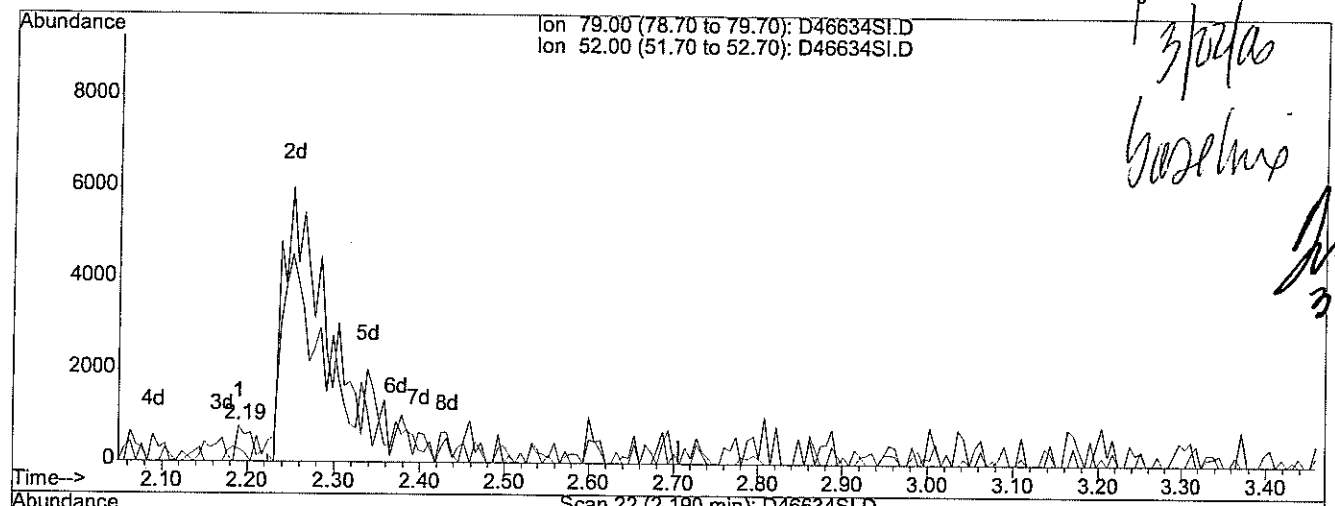
Quantitation Report (Qedit)

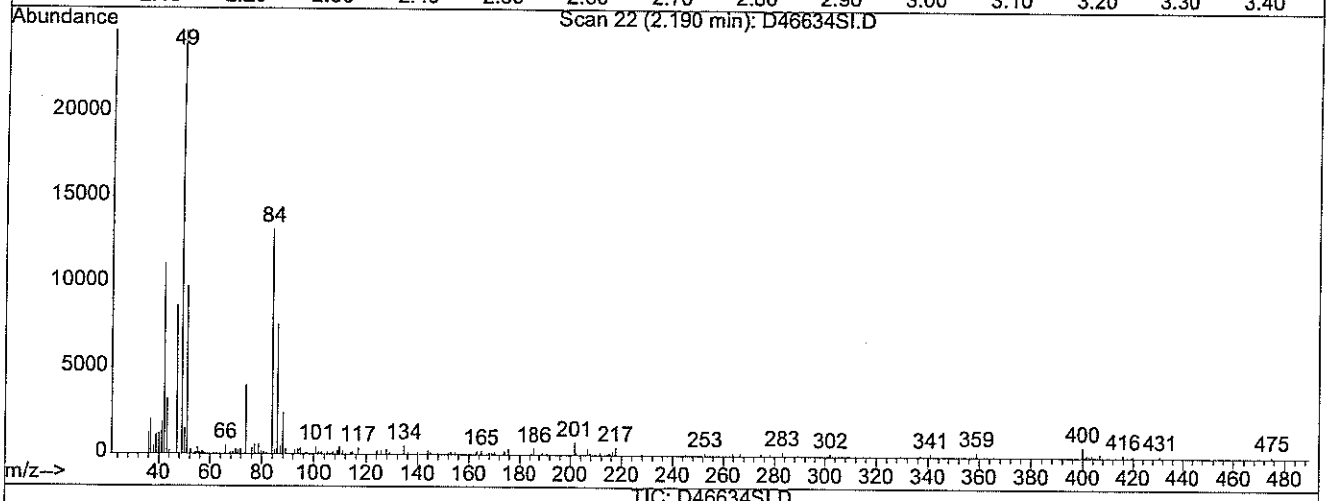
Data File : D:\HPCHEM\1\DATA\032106-D\D46634SI.D
Acq On : 21 Mar 2006 11:29 pm
Sample : S6726 PT1 2/4
Misc :
MS Integration Params: RTEINT.P
Quant Time: Mar 22 21:11 2006

Vial: 2
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:11:47 2006
Response via : Multiple Level Calibration





TIC: D46634SI.D

(2) Pyridine (TM)

2.19min 0.08ug/ml

response 1015

Ion	Exp%	Act%
79.00	100	100
52.00	103.80	40.89#
0.00	0.00	0.00
0.00	0.00	0.00

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D46634SI.D S03216.M Wed Mar 22 21:12:01 2006

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\032106-D\D46634SI.D
Acq On : 21 Mar 2006 11:29 pm
Sample : S6726 PT1 2/4
Misc :
MS Integration Params: RTEINT.P
Quant Time: Mar 22 21:12 2006

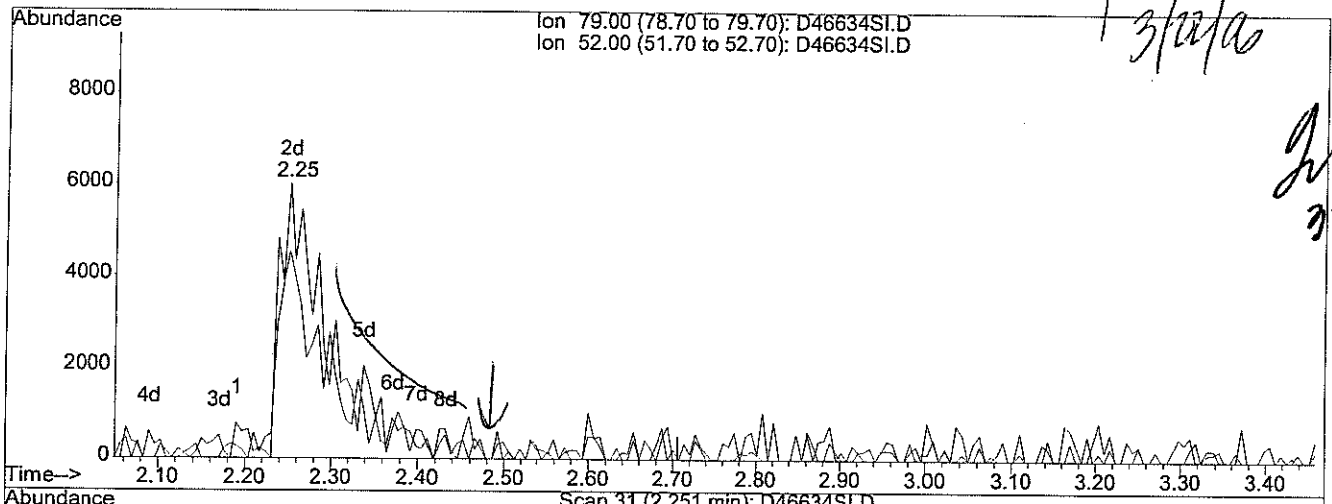
Vial: 2
Operator:
Inst : D Instrum
Multiplr: 1.00

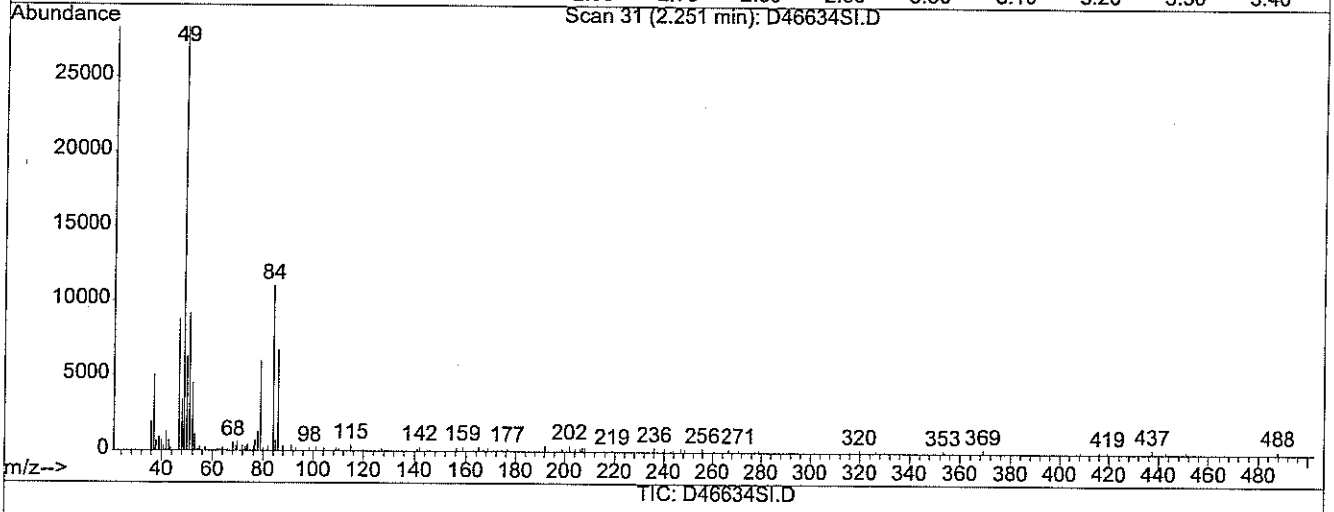
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:11:47 2006
Response via : Multiple Level Calibration

3/22/06

3-23-06





(2) Pyridine (TM)

2.25min 1.97ug/ml m

response 24421

Ion	Exp%	Act%
79.00	100	100
52.00	103.80	1.70#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

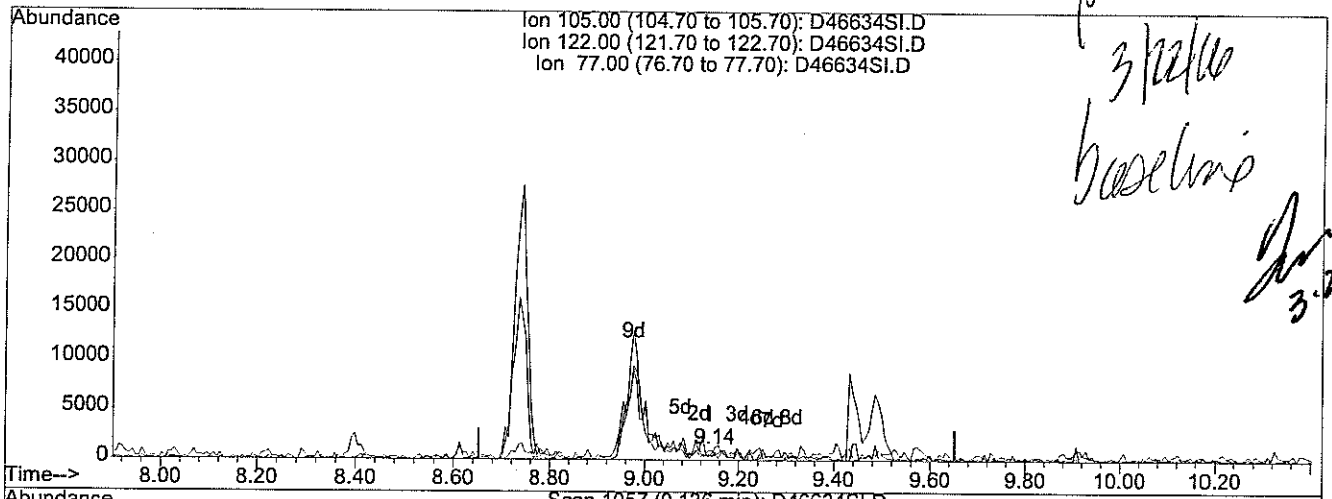
Data File : D:\HPCHEM\1\DATA\032106-D\D46634SI.D
Acq On : 21 Mar 2006 11:29 pm
Sample : S6726 PT1 2/4
Misc :
MS Integration Params: RTEINT.P
Quant Time: Mar 22 21:12 2006

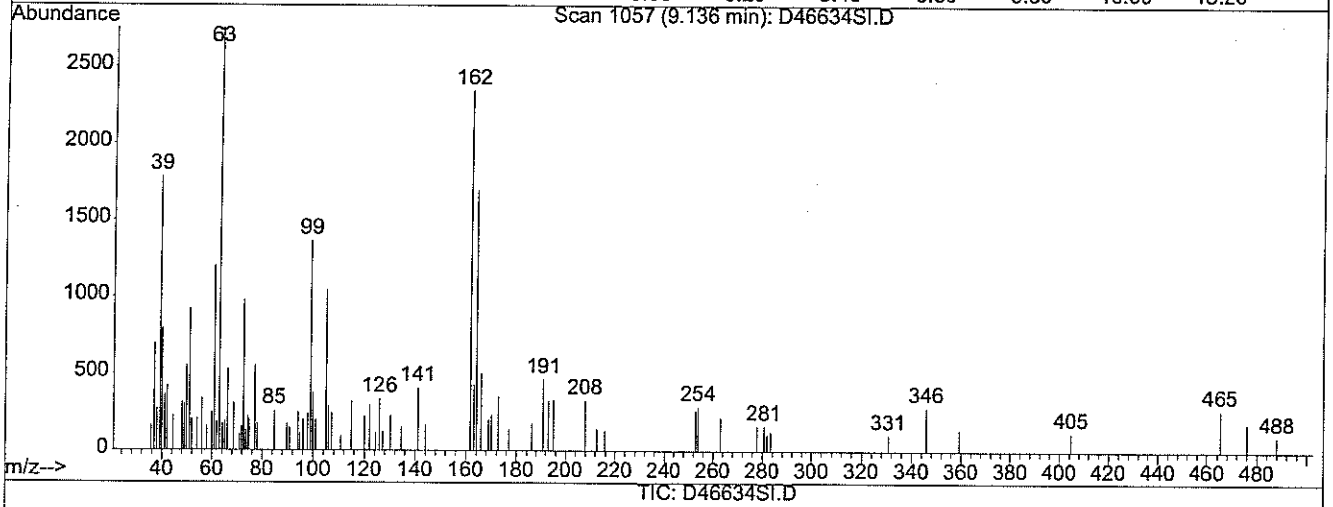
Vial: 2
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:11:47 2006
Response via : Multiple Level Calibration

3/22/06 baseline 3.23.06





TIC: D46634SI.D

(27) Benzoic Acid (TM)

9.14min 0.05ug/ml

response 598

Ion	Exp%	Act%
105.00	100	100
122.00	74.30	93.81#
77.00	100.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\032106-D\D46634SI.D
Acq On : 21 Mar 2006 11:29 pm
Sample : S6726 PT1 2/4
Misc :
MS Integration Params: RTEINT.P
Quant Time: Mar 22 21:12 2006

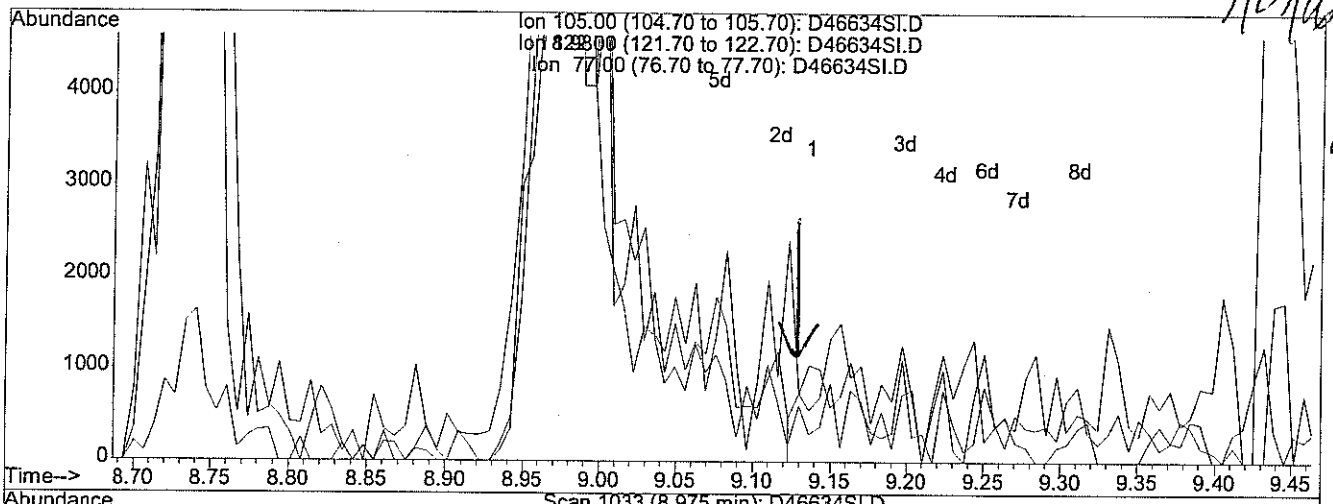
Vial: 2
Operator:
Inst : D Instrum
Multiplr: 1.00

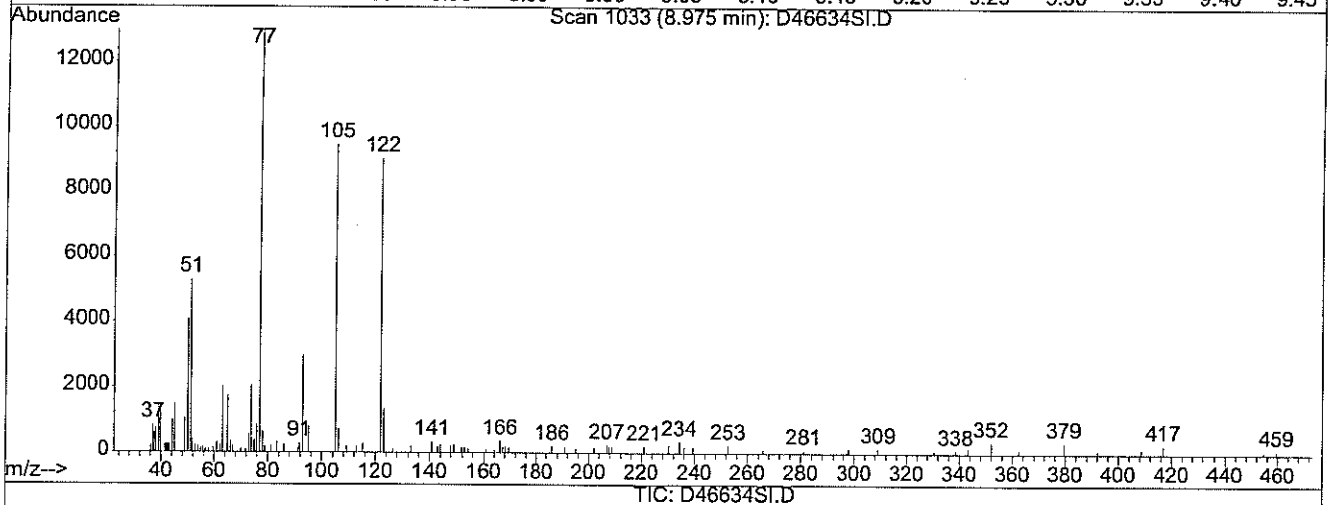
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 23:56:28 2006
Response via : Multiple Level Calibration

3/23/06

3-23-06





TIC: D46634SI.D

(27) Benzoic Acid (TM)

8.98min 2.37ug/ml m

response 31029

Ion	Exp%	Act%
105.00	100	100
122.00	74.30	1.81#
77.00	100.00	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\032106-D\D46635SI.D Vial: 3
Acq On : 21 Mar 2006 12:02 am Operator:
Sample : S6725 PT2A 4/8 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Mar 22 21:14 2006 Quant Results File: S03216.RES

Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:11:47 2006
Response via : Initial Calibration
DataAcq Meth : ABN

3-23-06

3/22/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	6.50	152	567676	40.00	ug/ml	0.00
19) d8-Naphthalene	9.43	136	2144018	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.74	164	1260154	40.00	ug/ml	0.00
61) d10-Phenanthrene	17.34	188	2113711	40.00	ug/ml	0.00
71) d12-Chrysene	23.87	240	1679641	40.00	ug/ml	0.00
79) d12-Perylene	28.30	264	1591167	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.03	112	120788	7.64	ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 10.19%#			
5) d5-Phenol	5.83	99	141917	7.57	ug/ml	-0.01
Spiked Amount 75.000	Range 22 - 110		Recovery = 10.09%#			
20) d5-nitrobenzene	7.81	82	209106	7.65	ug/ml	-0.01
Spiked Amount 50.000	Range 45 - 107		Recovery = 15.30%#			
39) 2-Fluorobiphenyl	12.11	172	316780	7.40	ug/ml	-0.01
Spiked Amount 50.000	Range 44 - 102		Recovery = 14.80%#			
60) 2,4,6-Tribromophenol	15.70	330	56006	7.22	ug/ml	-0.01
Spiked Amount 75.000	Range 63 - 127		Recovery = 9.63%#			
73) d14-p-terphenyl	21.29	244	297098	7.54	ug/ml	-0.01
Spiked Amount 50.000	Range 33 - 132		Recovery = 15.08%#			
Target Compounds						Qvalue
2) Pyridine	2.22	79	46977m	3.70	ug/ml	
3) N-nitrosodimethylamine	2.17	42	70844	3.95	ug/ml	95
6) Aniline	5.91	93	99294	4.09	ug/ml#	1
7) Phenol	5.85	94	157237	7.42	ug/ml#	72
8) 2-Chlorophenol	6.13	128	149910	7.78	ug/ml	96
9) bis(2-chloroethyl) ether	6.01	93	63441	3.97	ug/ml	99
10) 1,3-Dichlorobenzene	6.41	146	87518	3.95	ug/ml	100
11) 1,4-Dichlorobenzene	6.53	146	90221	3.87	ug/ml#	77
12) 1,2-Dichlorobenzene	6.94	146	87125	4.00	ug/ml	96
13) Benzyl Alcohol	6.87	108	38928	3.74	ug/ml	93
14) 2-Methylphenol	7.17	108	120406	7.96	ug/ml	96
15) bis(2-chloroisopropyl)ethe	7.20	45	126396	4.14	ug/ml	97
16) 3+4-Methylphenol	7.50	108	133227	8.78	ug/ml#	85
17) Hexachloroethane	7.61	117	39917	4.08	ug/ml	96
18) N-nitroso-di-n-propylamine	7.52	70	62276	3.92	ug/ml	96
21) Nitrobenzene	7.85	123	34447	3.33	ug/ml#	74
22) Isophorone	8.39	82	164829	3.99	ug/ml#	96
23) 2-Nitrophenol	8.60	139	90532	7.36	ug/ml	98
24) 2,4-Dimethylphenol	8.73	107	154834	7.24	ug/ml	98
25) Bis(2-chloroethoxy)methane	8.95	93	78640	3.72	ug/ml	92

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\032106-D\D46635SI.D Vial: 3
Acq On : 21 Mar 2006 12:02 am Operator:
Sample : S6725 PT2A 4/8 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Mar 22 21:14 2006 Quant Results File: S03216.RES

Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:11:47 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 2,4-Dichlorophenol	9.16	162	134098	7.41 ug/ml	96
27) Benzoic Acid	9.01	105	91885m	6.57 ug/ml	
28) 1,2,4-Trichlorobenzene	9.34	180	74356	3.80 ug/ml	94
29) Naphthalene	9.48	128	203577	3.74 ug/ml	98
30) 2,6-Dichlorophenol	9.71	162	127419	7.12 ug/ml	96
31) 4-Chloroaniline	9.70	127	90571	3.78 ug/ml	97
32) Hexachlorobutadiene	9.92	225	46502	3.79 ug/ml	97
33) 4-Chloro-3-methylphenol	10.93	107	130884	7.31 ug/ml	96
34) 2-Methylnaphthalene	11.14	141	116474	3.77 ug/ml	94
36) Hexachlorocyclopentadiene	11.70	237	31751	3.30 ug/ml	98
37) 2,4,6-Trichlorophenol	11.95	196	98247	7.34 ug/ml	96
38) 2,4,5-Trichlorophenol	12.05	196	95287	7.12 ug/ml	99
40) 2-Chloronaphthalene	12.33	162	136627	3.65 ug/ml	98
41) 2-Nitroaniline	12.72	138	49739	3.62 ug/ml	90
42) 2,6-Dinitrotoluene	13.42	165	42504	3.77 ug/ml	94
43) Dimethyl Phthalate	13.24	163	169529	3.72 ug/ml#	97
44) Acenaphthylene	13.36	152	215790	3.84 ug/ml	96
45) 3-Nitroaniline	13.74	138	41581	3.73 ug/ml	90
46) Acenaphthene	13.81	154	130579	3.85 ug/ml	98
47) 2,4-dinitrophenol	14.00	184	39419	5.78 ug/ml	93
48) Dibenzofuran	14.20	168	196008	3.80 ug/ml	99
49) 4-Nitrophenol	14.26	109	71270	7.01 ug/ml	98
50) 2,4-Dinitrotoluene	14.36	165	56443	3.79 ug/ml	95
51) 2,3,4,6-Tetrachlorophenol	14.65	232	65279	6.54 ug/ml	96
52) Fluorene	15.05	166	152381	3.59 ug/ml	100
53) Diethyl Phthalate	14.98	149	188941	3.94 ug/ml	98
54) 4-Chlorophenyl phenyl eth	15.07	204	74662	3.77 ug/ml	97
55) 4-Nitroaniline	15.26	138	39455	8.60 ug/ml#	1
56) 4,6-Dinitro-2-methylphenol	15.35	198	65712	6.88 ug/ml	98
57) n-nitrosodiphenylamine	15.40	169	99235	3.66 ug/ml	96
58) Azobenzene	15.46	77	202651	3.67 ug/ml	97
59) Biphenyl	12.32	154	178643	3.56 ug/ml	95
62) 4-bromophenyl phenyl ether	16.26	248	47150	3.80 ug/ml	92
63) Hexachlorobenzene	16.60	284	55982	3.79 ug/ml	99
64) Pentachlorophenol	17.07	266	53497m	5.22 ug/ml	
65) Phenanthrene	17.39	178	212954	3.83 ug/ml	100
66) Anthracene	17.49	178	212134	3.85 ug/ml	98
67) Carbazole	17.94	167	193270	3.88 ug/ml	99
68) Di-n-butyl phthalate	18.95	149	297857	3.91 ug/ml	97
69) Fluoranthene	20.30	202	207076	3.65 ug/ml	99
70) Benzidine	20.70	184	92170	4.94 ug/ml#	94

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\032106-D\D46635SI.D Vial: 3
Acq On : 21 Mar 2006 12:02 am Operator:
Sample : S6725 PT2A 4/8 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Mar 22 21:14 2006 Quant Results File: S03216.RES

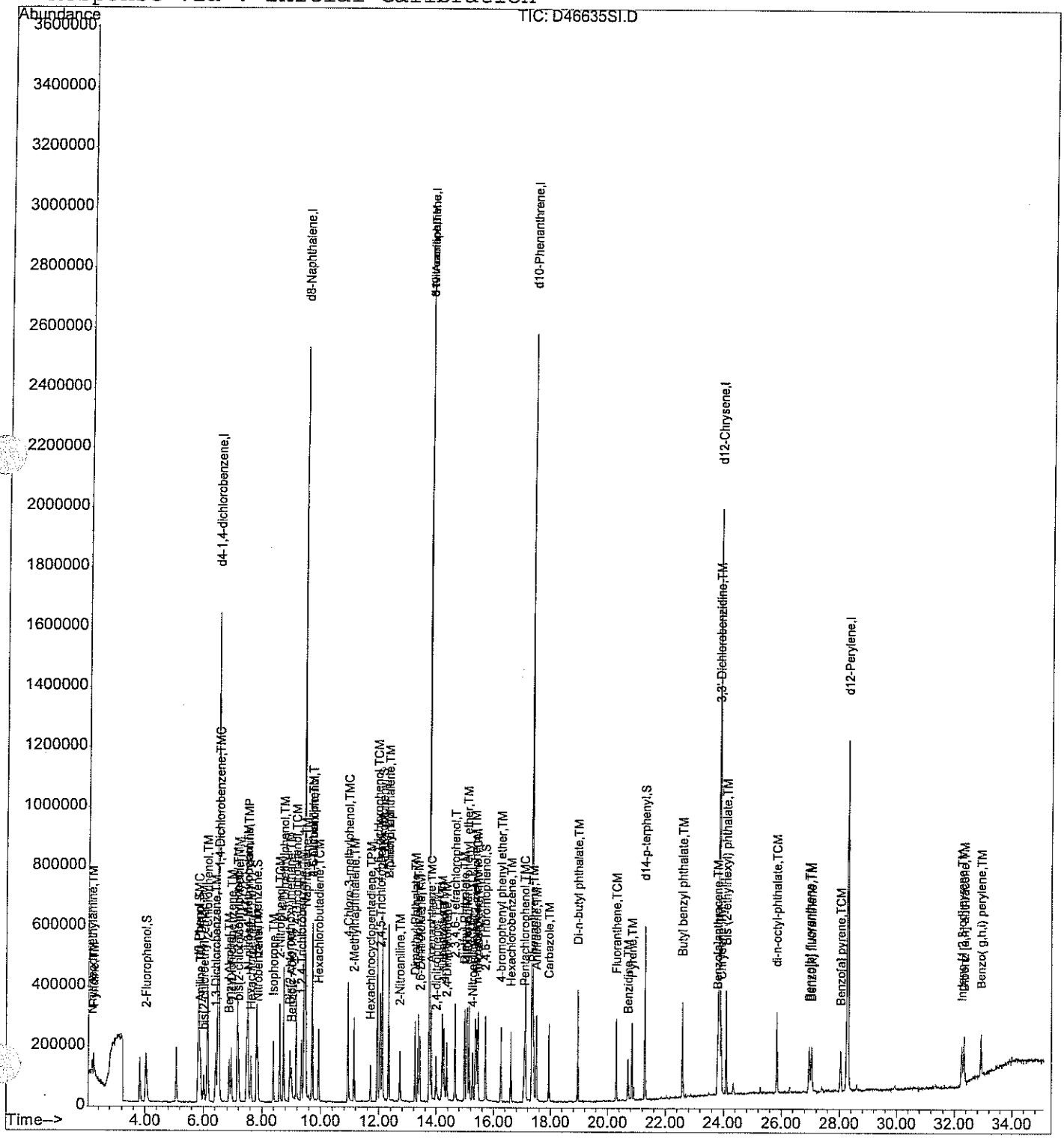
Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:11:47 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
72) Pyrene	20.84	202	210116	4.06 ug/ml	98
74) Butyl benzyl phthalate	22.59	149	126398	4.01 ug/ml	99
75) Benzo[a]anthracene	23.80	228	180571	3.94 ug/ml	98
76) Chrysene	23.92	228	161585	3.82 ug/ml	99
77) 3,3'-Dichlorobenzidine	23.84	252	70193	3.77 ug/ml	91
78) Bis (2-ethylhexyl) phthala	24.09	149	159151	3.94 ug/ml	98
80) di-n-octyl-phthalate	25.85	149	274493	3.94 ug/ml	100
81) Benzo[b] fluoranthene	26.97	252	174105	3.80 ug/ml	98
82) Benzo[k] fluoranthene	27.03	252	168626	3.86 ug/ml	97
83) Benzo[a] pyrene	28.04	252	163079	3.81 ug/ml	98
84) Indeno [1,2,3-cd] pyrene	32.26	276	163134	3.64 ug/ml#	91
85) Dibenz [a,h] anthracene	32.34	278	171854	3.87 ug/ml	98
86) Benzo(g,h,i) perylene	32.94	276	158898	3.95 ug/ml	98

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\032106-D\D46635SI.D Vial: 3
Acq On : 21 Mar 2006 12:02 am Operator:
Sample : S6725 PT2A 4/8 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 22 21:14 2006 Quant Results File: S03216.RES

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:11:47 2006
Response via : Initial Calibration

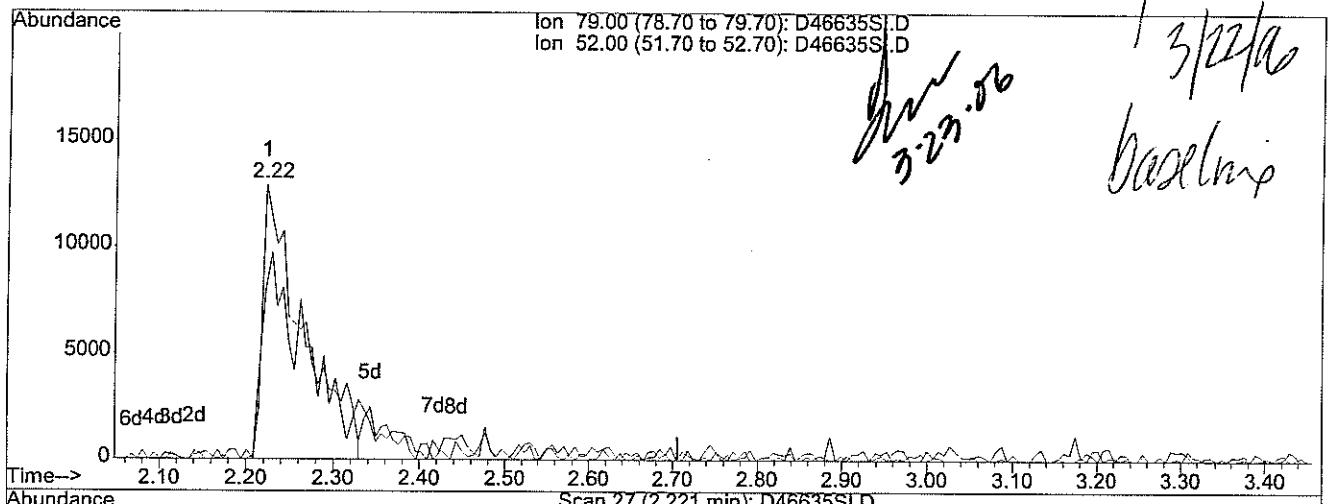


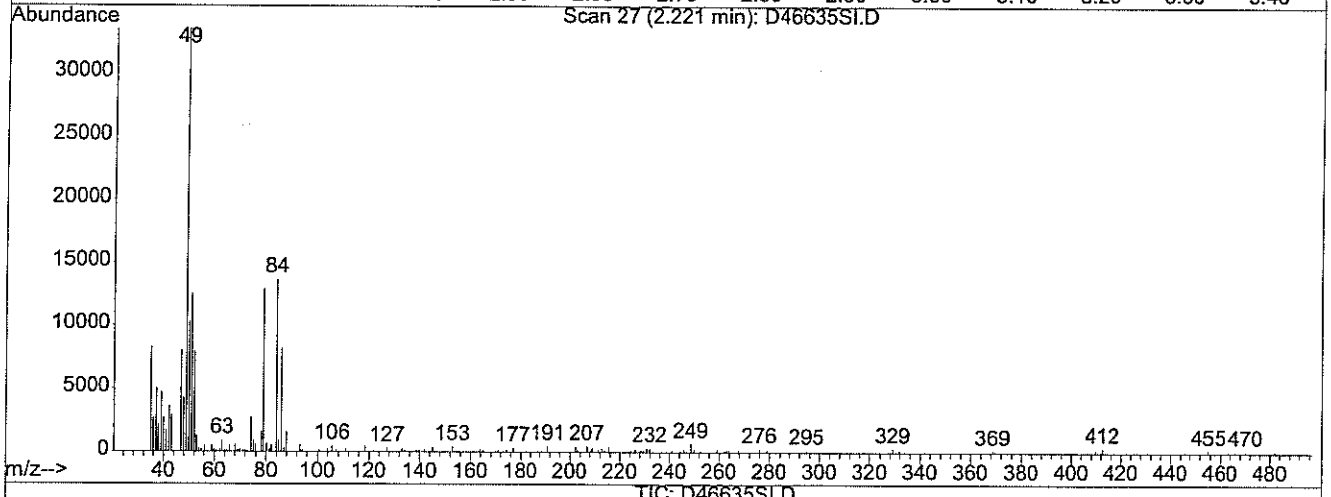
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\032106-D\D46635SI.D Vial: 3
Acq On : 21 Mar 2006 12:02 am Operator:
Sample : S6725 PT2A 4/8 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 22 21:13 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:11:47 2006
Response via : Multiple Level Calibration

3/22/06
3-23-06
backup





TIC: D46635SI.D

(2) Pyridine (TM)

2.22min 3.24ug/ml

response 41198

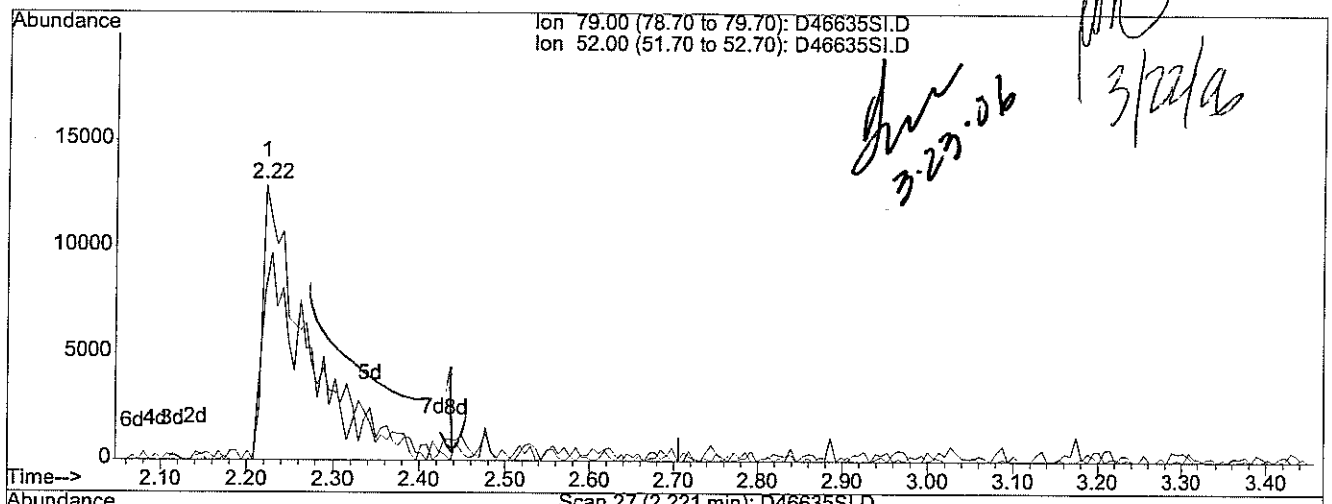
Ion	Exp%	Act%
79.00	100	100
52.00	103.80	45.97#
0.00	0.00	0.00
0.00	0.00	0.00

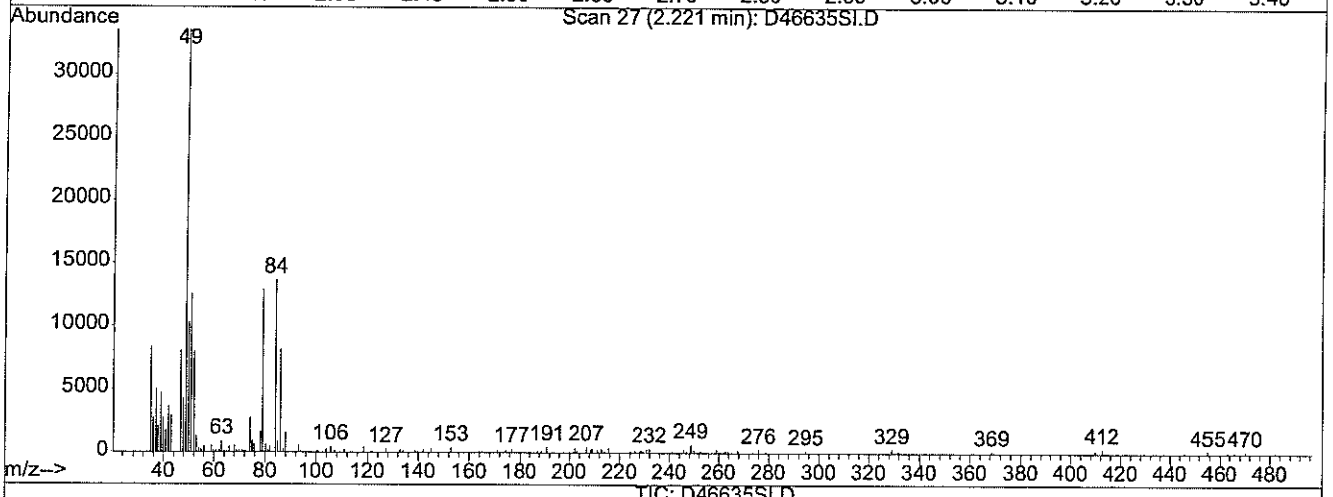
D46635SI.D S03216.M Wed Mar 22 21:13:51 2006

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\032106-D\D46635SI.D Vial: 3
Acq On : 21 Mar 2006 12:02 am Operator:
Sample : S6725 PT2A 4/8 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 22 21:13 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:11:47 2006
Response via : Multiple Level Calibration





TIC: D46635SI.D

(2) Pyridine (TM)

2.22min 3.70ug/ml m

response 46977

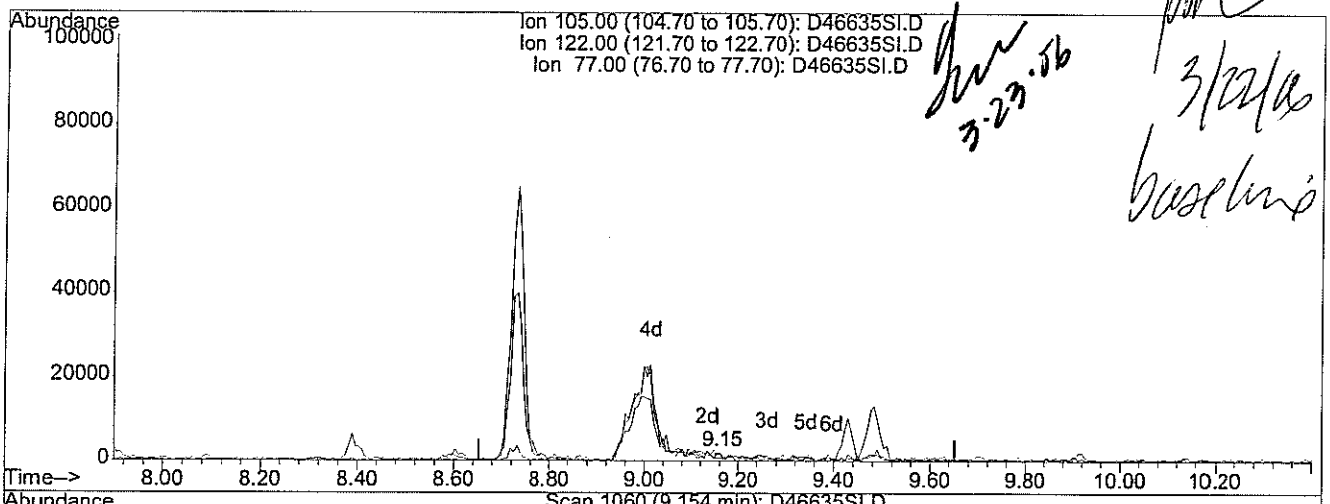
Ion	Exp%	Act%
79.00	100	100
52.00	103.80	40.31#
0.00	0.00	0.00
0.00	0.00	0.00

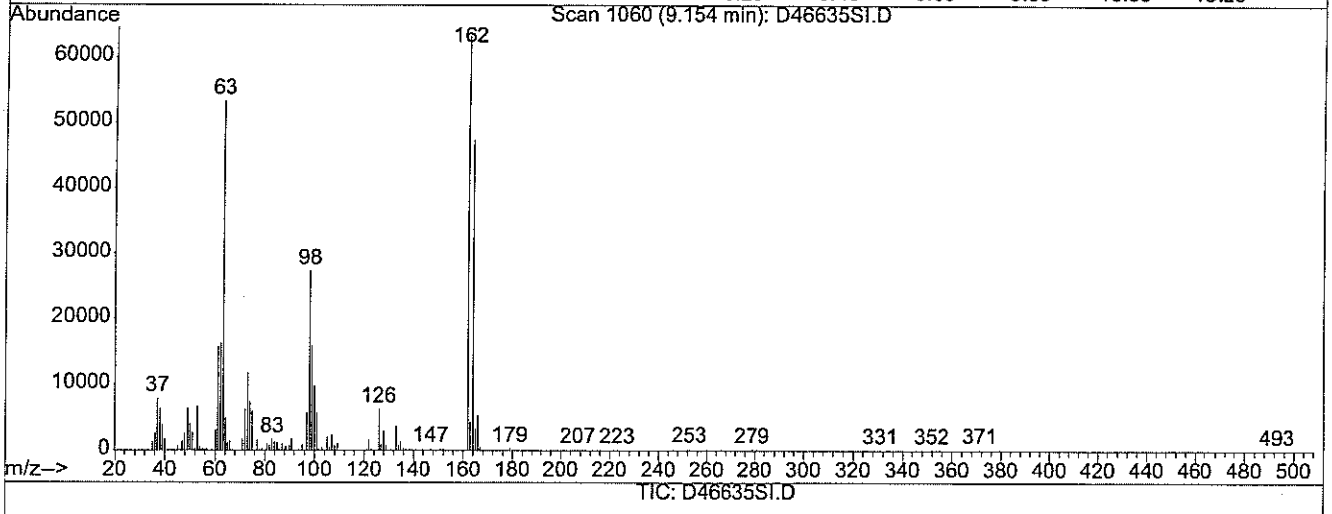
D46635SI.D S03216.M Wed Mar 22 21:13:59 2006

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\032106-D\D46635SI.D Vial: 3
Acq On : 21 Mar 2006 12:02 am Operator:
Sample : S6725 PT2A 4/8 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 22 21:13 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:11:47 2006
Response via : Multiple Level Calibration





TIC: D46635SI.D

(27) Benzoic Acid (TM)

9.15min 0.09ug/ml

response 1196

Ion	Exp%	Act%
105.00	100	100
122.00	74.30	98.91#
77.00	100.00	0.00#
0.00	0.00	0.00

3-23-06

3/22/06 baseline

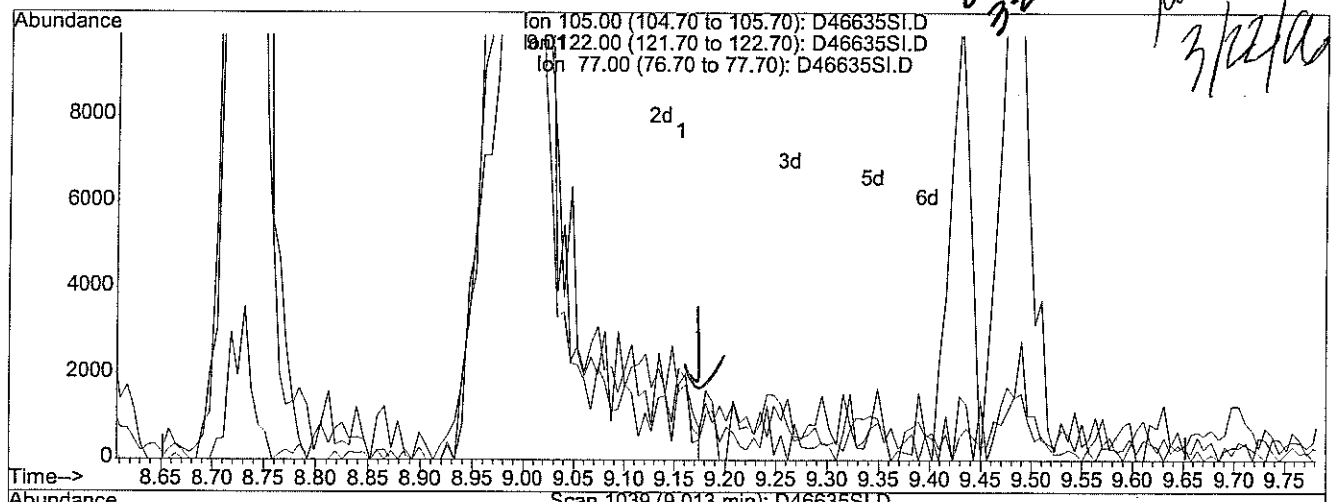
Quantitation Report (Qedit)

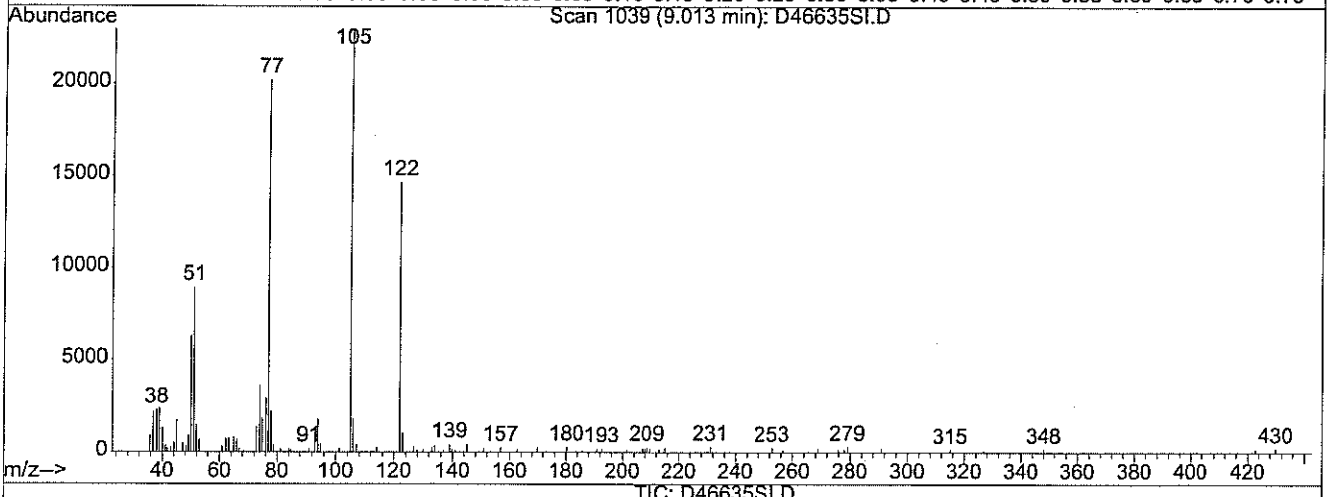
Data File : D:\HPCHEM\1\DATA\032106-D\D46635SI.D Vial: 3
Acq On : 21 Mar 2006 12:02 am Operator:
Sample : S6725 PT2A 4/8 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 22 21:14 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:11:47 2006
Response via : Multiple Level Calibration

3-23-06

3/22/06





(27) Benzoic Acid (TM)

9.01min 6.57ug/ml m

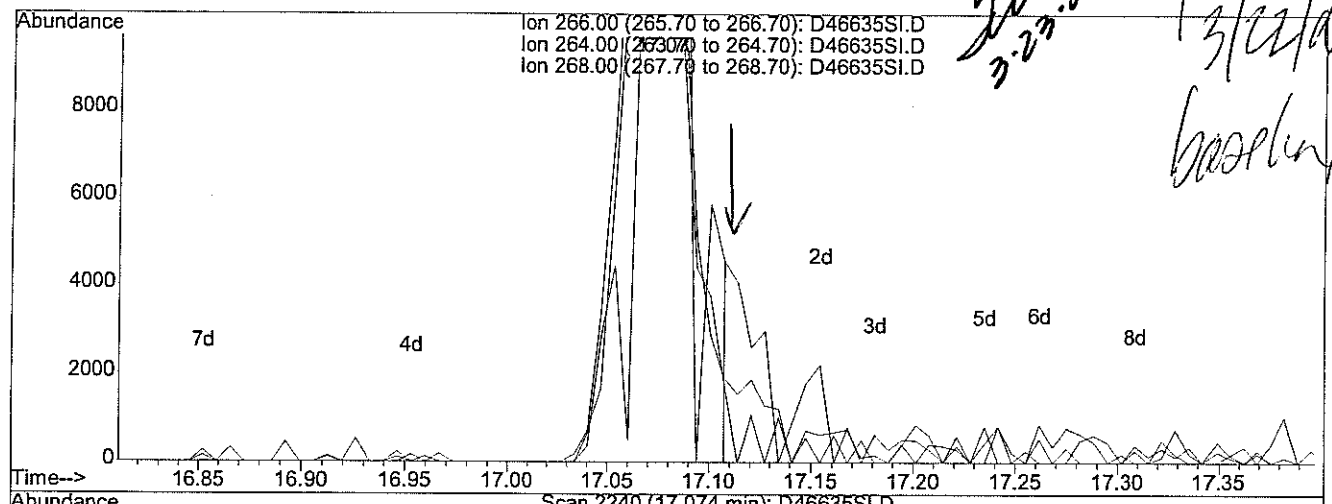
response 91885

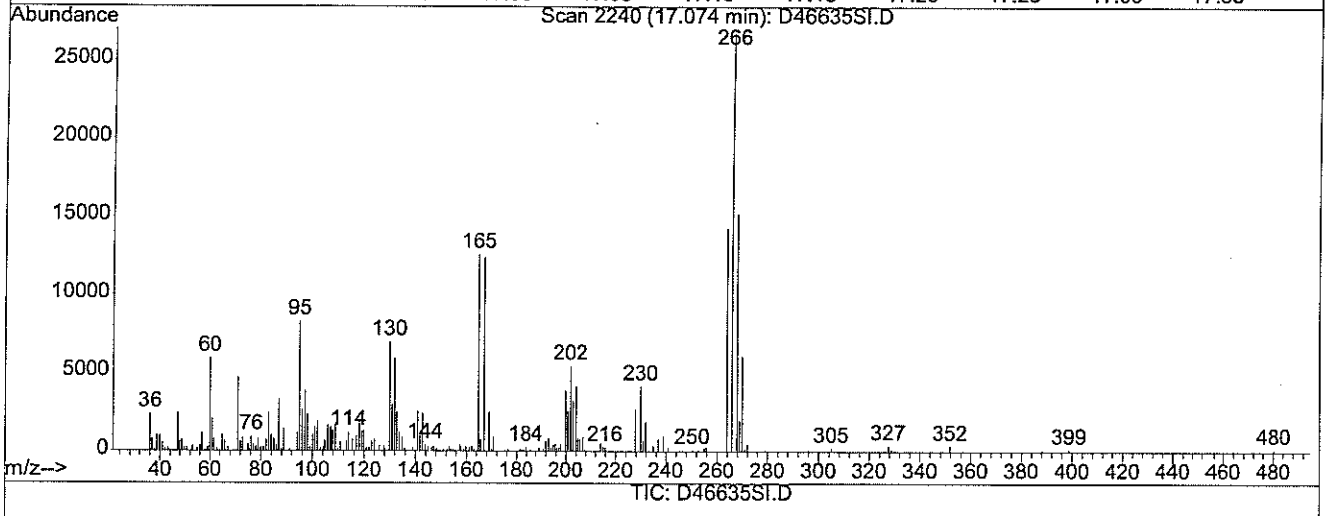
Ion	Exp%	Act%
105.00	100	100
122.00	74.30	1.29#
77.00	100.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\032106-D\D46635SI.D Vial: 3
Acq On : 21 Mar 2006 12:02 am Operator:
Sample : S6725 PT2A 4/8 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 22 21:14 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:11:47 2006
Response via : Multiple Level Calibration





TIC: D46635SI.D

(64) Pentachlorophenol (TMC)

17.07min 4.62ug/ml

response 47329

Ion	Exp%	Act%
266.00	100	100
264.00	60.30	60.42
268.00	67.60	79.49
0.00	0.00	0.00

D46635SI.D S03216.M Wed Mar 22 21:14:43 2006

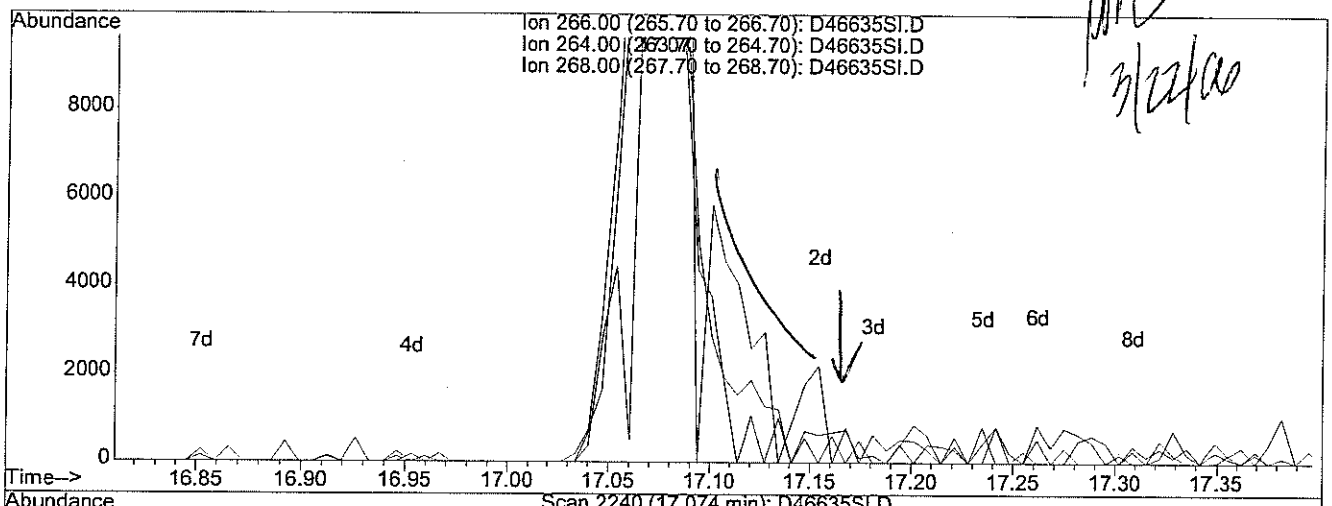
Quantitation Report (Qedit)

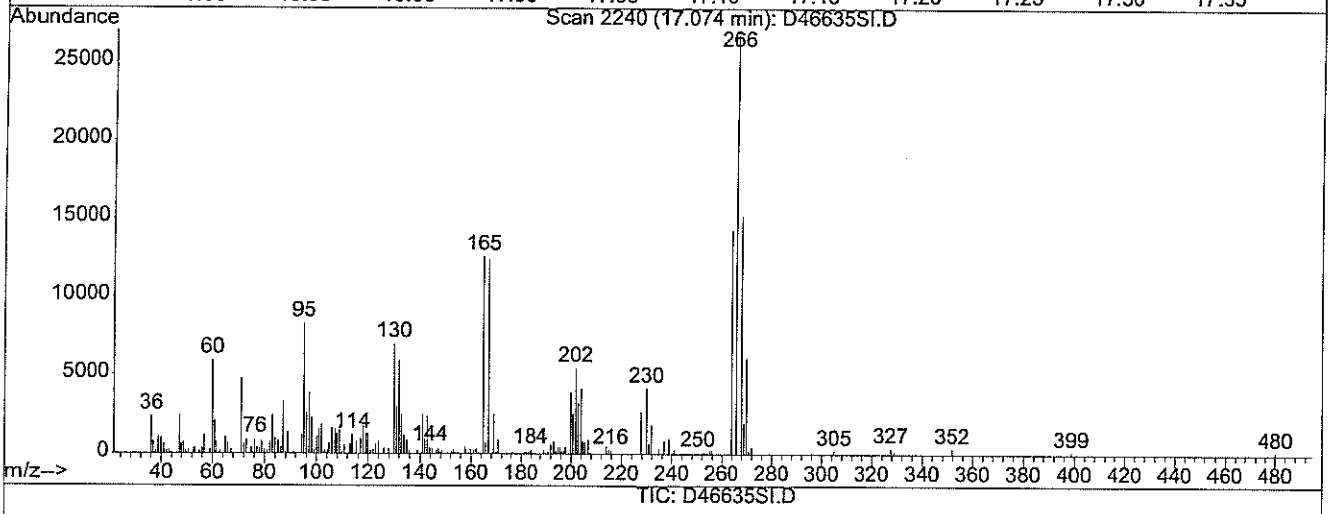
Data File : D:\HPCHEM\1\DATA\032106-D\D46635SI.D
Acq On : 21 Mar 2006 12:02 am
Sample : S6725 PT2A 4/8
Misc :
MS Integration Params: RTEINT.P
Quant Time: Mar 22 21:14 2006

Vial: 3
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:11:47 2006
Response via : Multiple Level Calibration





TIC: D46635SI.D

(64) Pentachlorophenol (TMC)

17.07min 5.22ug/ml m

response 53497

Ion	Exp%	Act%
266.00	100	100
264.00	60.30	53.46
268.00	67.60	70.33
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\032106-D\D46636SI.D Vial: 4
Acq On : 22 Mar 2006 12:47 am Operator:
Sample : S6724 PT2 10/20 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Mar 22 21:15 2006 Quant Results File: S03216.RES

Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:11:47 2006
Response via : Initial Calibration
DataAcq Meth : ABN

3-23-06 3/22/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	6.49	152	557935	40.00	ug/ml	0.00
19) d8-Naphthalene	9.43	136	2042284	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.74	164	1188833	40.00	ug/ml	0.00
61) d10-Phenanthrene	17.34	188	2067880	40.00	ug/ml	0.00
71) d12-Chrysene	23.86	240	1695180	40.00	ug/ml	0.00
79) d12-Perylene	28.30	264	1582873	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.03	112	310874	20.00	ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 26.67%#			
5) d5-Phenol	5.84	99	361789	19.63	ug/ml	0.00
Spiked Amount 75.000	Range 22 - 110		Recovery = 26.17%			
20) d5-nitrobenzene	7.82	82	522269	20.07	ug/ml	0.00
Spiked Amount 50.000	Range 45 - 107		Recovery = 40.14%#			
39) 2-Fluorobiphenyl	12.12	172	785834	19.45	ug/ml	0.00
Spiked Amount 50.000	Range 44 - 102		Recovery = 38.90%#			
60) 2,4,6-Tribromophenol	15.71	330	143032	19.55	ug/ml	0.00
Spiked Amount 75.000	Range 63 - 127		Recovery = 26.07%#			
73) d14-p-terphenyl	21.29	244	790287	19.87	ug/ml	0.00
Spiked Amount 50.000	Range 33 - 132		Recovery = 39.74%			
Target Compounds						Qvalue
2) Pyridine	2.21	79	116356m	9.32	ug/ml	
3) N-nitrosodimethylamine	2.17	42	171507	9.72	ug/ml	98
6) Aniline	5.91	93	242173	10.14	ug/ml#	1
7) Phenol	5.86	94	419704	20.15	ug/ml	99
8) 2-Chlorophenol	6.13	128	364106	19.21	ug/ml	99
9) bis(2-chloroethyl) ether	6.01	93	159395	10.16	ug/ml	96
10) 1,3-Dichlorobenzene	6.42	146	216465	9.94	ug/ml	97
11) 1,4-Dichlorobenzene	6.53	146	223333	9.74	ug/ml	97
12) 1,2-Dichlorobenzene	6.94	146	217452	10.17	ug/ml	100
13) Benzyl Alcohol	6.86	108	108023	10.57	ug/ml	93
14) 2-Methylphenol	7.17	108	290239	19.51	ug/ml	97
15) bis(2-chloroisopropyl)ethe	7.20	45	311672	10.40	ug/ml	99
16) 3+4-Methylphenol	7.50	108	308581	20.69	ug/ml#	81
17) Hexachloroethane	7.62	117	97343	10.12	ug/ml	98
18) N-nitroso-di-n-propylamine	7.53	70	155429	9.96	ug/ml	92
21) Nitrobenzene	7.86	123	93409	9.49	ug/ml	91
22) Isophorone	8.39	82	378639	9.63	ug/ml	97
23) 2-Nitrophenol	8.60	139	231767	19.78	ug/ml	97
24) 2,4-Dimethylphenol	8.74	107	403062	19.80	ug/ml	97
25) Bis(2-chloroethoxy)methane	8.94	93	191801	9.51	ug/ml	92

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\032106-D\D46636SI.D Vial: 4
Acq On : 22 Mar 2006 12:47 am Operator:
Sample : S6724 PT2 10/20 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Mar 22 21:15 2006 Quant Results File: S03216.RES

Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:11:47 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 2,4-Dichlorophenol	9.16	162	327562	19.00 ug/ml	98
27) Benzoic Acid	9.07	105	246065	18.46 ug/ml	98
28) 1,2,4-Trichlorobenzene	9.34	180	186639	10.00 ug/ml	97
29) Naphthalene	9.47	128	501005	9.67 ug/ml	97
30) 2,6-Dichlorophenol	9.71	162	327273	19.19 ug/ml	97
31) 4-Chloroaniline	9.70	127	213712	9.36 ug/ml	98
32) Hexachlorobutadiene	9.92	225	117058	10.03 ug/ml	98
33) 4-Chloro-3-methylphenol	10.94	107	327573	19.20 ug/ml	93
34) 2-Methylnaphthalene	11.15	141	288176	9.80 ug/ml	98
36) Hexachlorocyclopentadiene	11.70	237	82951	9.15 ug/ml	90
37) 2,4,6-Trichlorophenol	11.94	196	241286	19.11 ug/ml	98
38) 2,4,5-Trichlorophenol	12.04	196	245814	19.47 ug/ml	97
40) 2-Chloronaphthalene	12.33	162	341050	9.66 ug/ml	100
41) 2-Nitroaniline	12.72	138	131563	10.14 ug/ml	100
42) 2,6-Dinitrotoluene	13.42	165	104181	9.79 ug/ml	98
43) Dimethyl Phthalate	13.25	163	442371	10.29 ug/ml	98
44) Acenaphthylene	13.36	152	522927	9.85 ug/ml	99
45) 3-Nitroaniline	13.75	138	104871	9.97 ug/ml	99
46) Acenaphthene	13.82	154	308460	9.64 ug/ml	97
47) 2,4-dinitrophenol	14.00	184	115658	17.98 ug/ml	96
48) Dibenzofuran	14.21	168	485187	9.97 ug/ml	97
49) 4-Nitrophenol	14.26	109	188854	19.69 ug/ml	94
50) 2,4-Dinitrotoluene	14.37	165	139932	9.95 ug/ml	96
51) 2,3,4,6-Tetrachlorophenol	14.66	232	182038	19.33 ug/ml	99
52) Fluorene	15.05	166	391779	9.78 ug/ml	99
53) Diethyl Phthalate	14.98	149	467770	10.35 ug/ml	100
54) 4-Chlorophenyl phenyl eth	15.08	204	177155	9.47 ug/ml	95
55) 4-Nitroaniline	15.27	138	106398	24.58 ug/ml#	1
56) 4,6-Dinitro-2-methylphenol	15.35	198	177572	19.69 ug/ml	96
57) n-nitrosodiphenylamine	15.41	169	243427	9.52 ug/ml	99
58) Azobenzene	15.45	77	502786	9.65 ug/ml	99
59) Biphenyl	12.32	154	461472	9.75 ug/ml	96
62) 4-bromophenyl phenyl ether	16.26	248	112643	9.28 ug/ml	97
63) Hexachlorobenzene	16.60	284	133619	9.24 ug/ml	97
64) Pentachlorophenol	17.07	266	165456	16.49 ug/ml	92
65) Phenanthrene	17.39	178	512540	9.41 ug/ml	99
66) Anthracene	17.49	178	531798	9.88 ug/ml	99
67) Carbazole	17.94	167	484762	9.95 ug/ml	99
68) Di-n-butyl phthalate	18.96	149	718701	9.63 ug/ml	99
69) Fluoranthene	20.31	202	542421	9.76 ug/ml	98
70) Benzidine	20.70	184	195581	10.71 ug/ml	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\032106-D\D46636SI.D Vial: 4
Acq On : 22 Mar 2006 12:47 am Operator:
Sample : S6724 PT2 10/20 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Mar 22 21:15 2006 Quant Results File: S03216.RES

Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:11:47 2006
Response via : Initial Calibration
DataAcq Meth : ABN

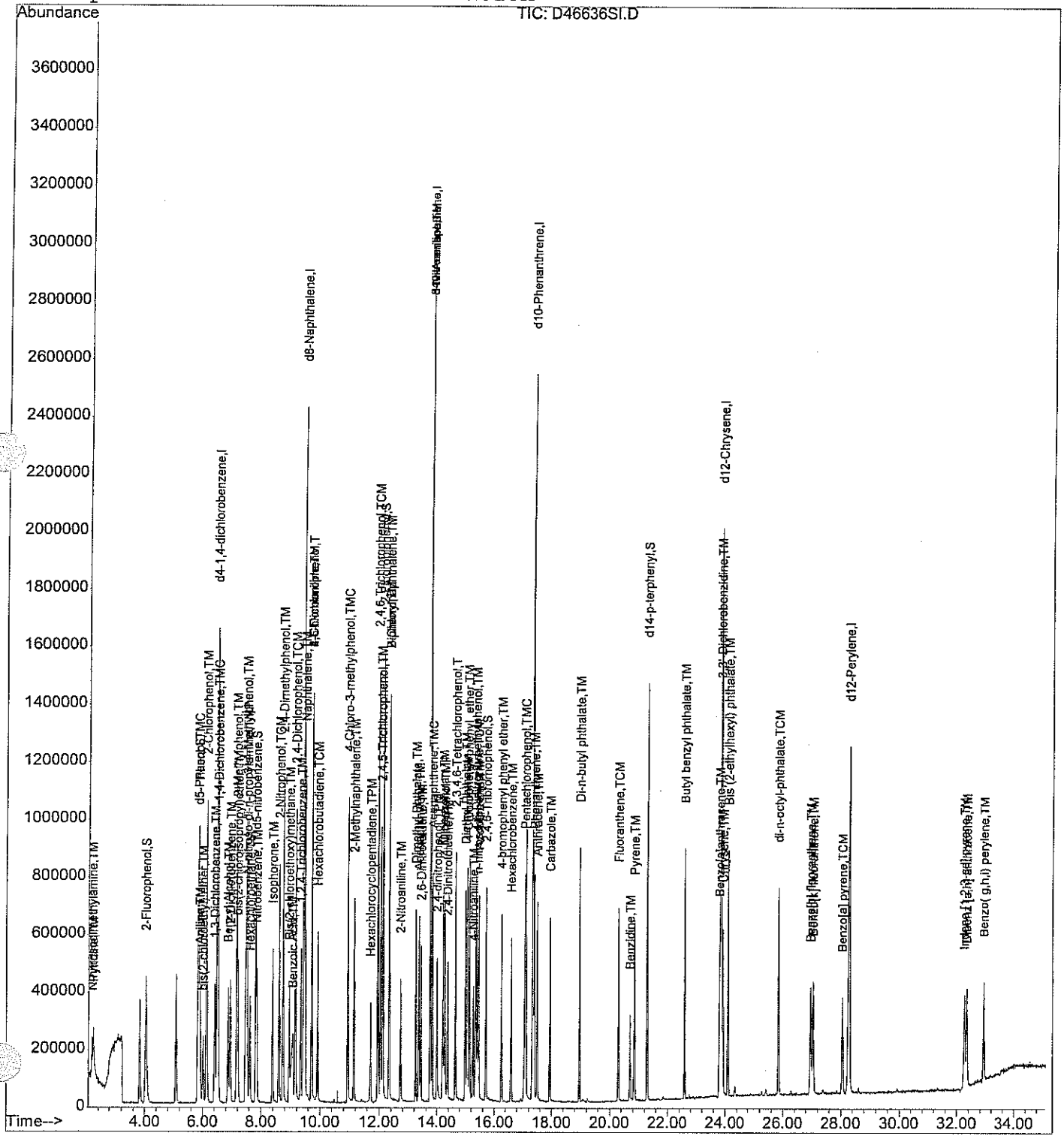
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
72) Pyrene	20.84	202	544053	10.42 ug/ml	99
74) Butyl benzyl phthalate	22.59	149	314232	9.87 ug/ml	98
75) Benzo[a]anthracene	23.80	228	447677	9.68 ug/ml	98
76) Chrysene	23.92	228	427934	10.03 ug/ml	99
77) 3,3'-Dichlorobenzidine	23.84	252	163949	8.72 ug/ml	96
78) Bis (2-ethylhexyl) phthala	24.09	149	400442	9.83 ug/ml	99
80) di-n-octyl-phthalate	25.85	149	678260	9.78 ug/ml	99
81) Benzo[b] fluoranthene	26.96	252	436520	9.57 ug/ml	98
82) Benzo[k] fluoranthene	27.05	252	437573	10.07 ug/ml	100
83) Benzo[a] pyrene	28.05	252	410292	9.62 ug/ml	98
84) Indeno [1,2,3-cd] pyrene	32.27	276	404149	9.07 ug/ml	99
85) Dibenz [a,h] anthracene	32.35	278	395180	8.93 ug/ml	100
86) Benzo(g,h,i) perylene	32.94	276	385084	9.63 ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\032106-D\D46636SI.D Vial: 4
Acq On : 22 Mar 2006 12:47 am Operator:
Sample : S6724 PT2 10/20 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 22 21:15 2006 Quant Results File: S03216.RES

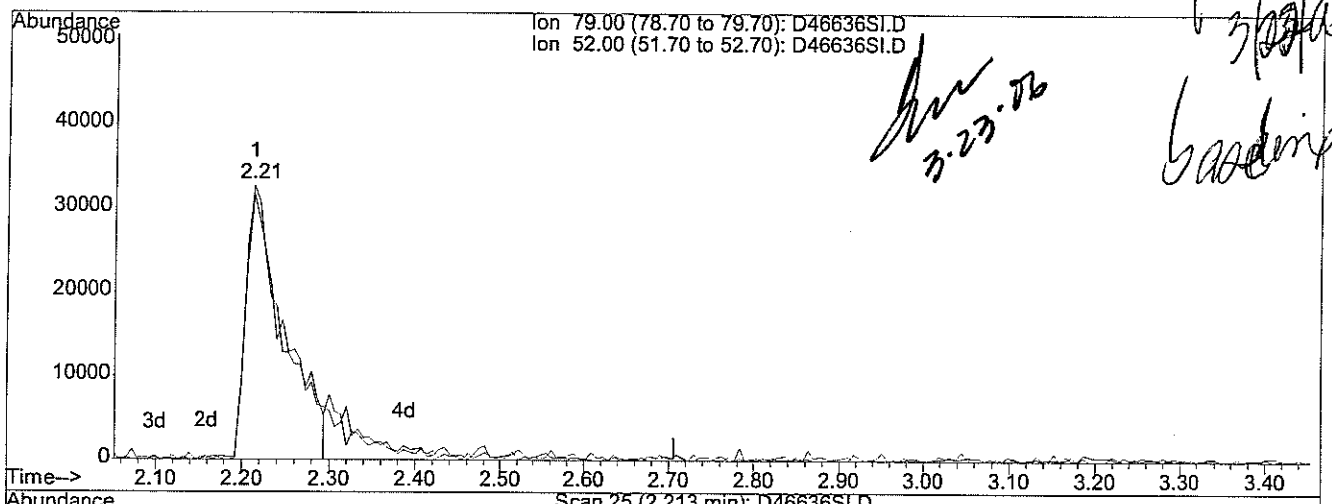
Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:11:47 2006
Response via : Initial Calibration

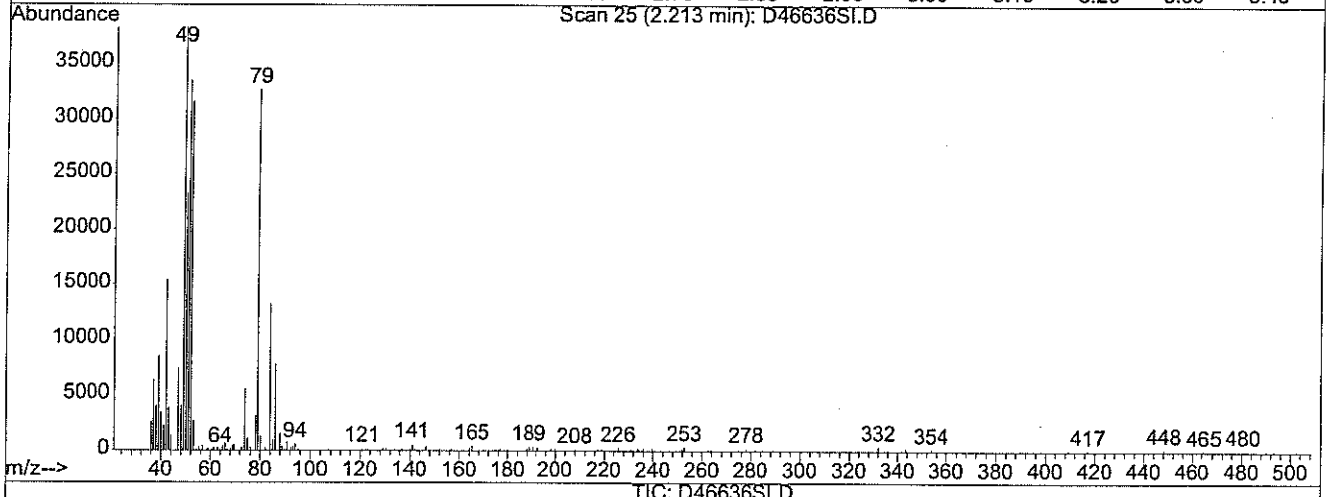


Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\032106-D\D46636SI.D Vial: 4
Acq On : 22 Mar 2006 12:47 am Operator:
Sample : S6724 PT2 10/20 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 22 21:15 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:11:47 2006
Response via : Multiple Level Calibration





TIC: D46636SI.D

(2) Pyridine (TM)

2.21min 7.75ug/ml

response 96818

Ion	Exp%	Act%
79.00	100	100
52.00	103.80	101.16
0.00	0.00	0.00
0.00	0.00	0.00

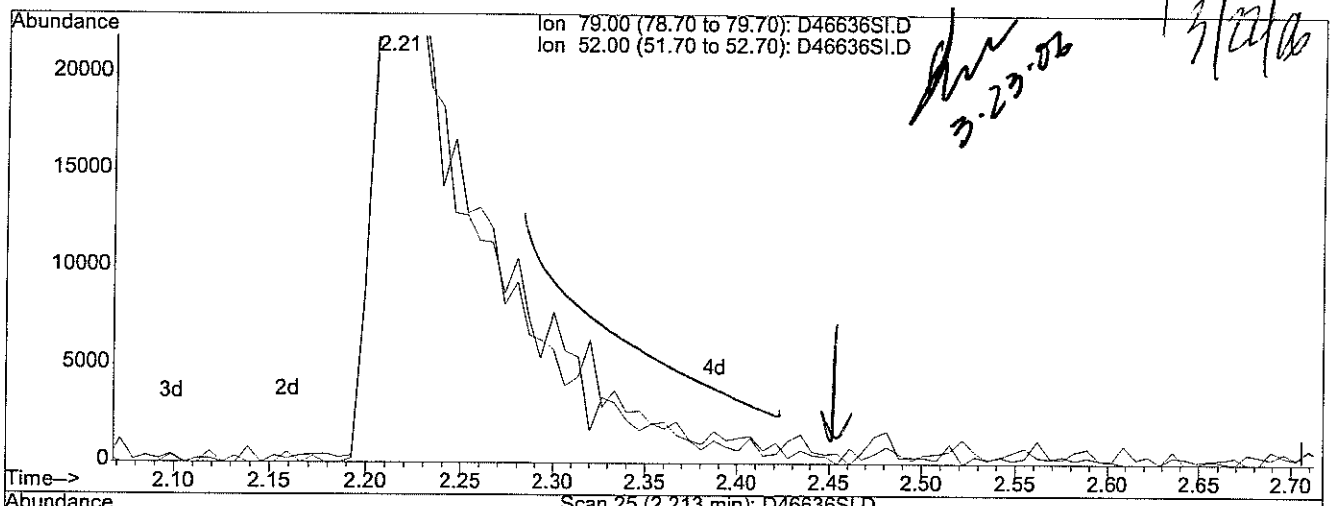
Quantitation Report (Qedit)

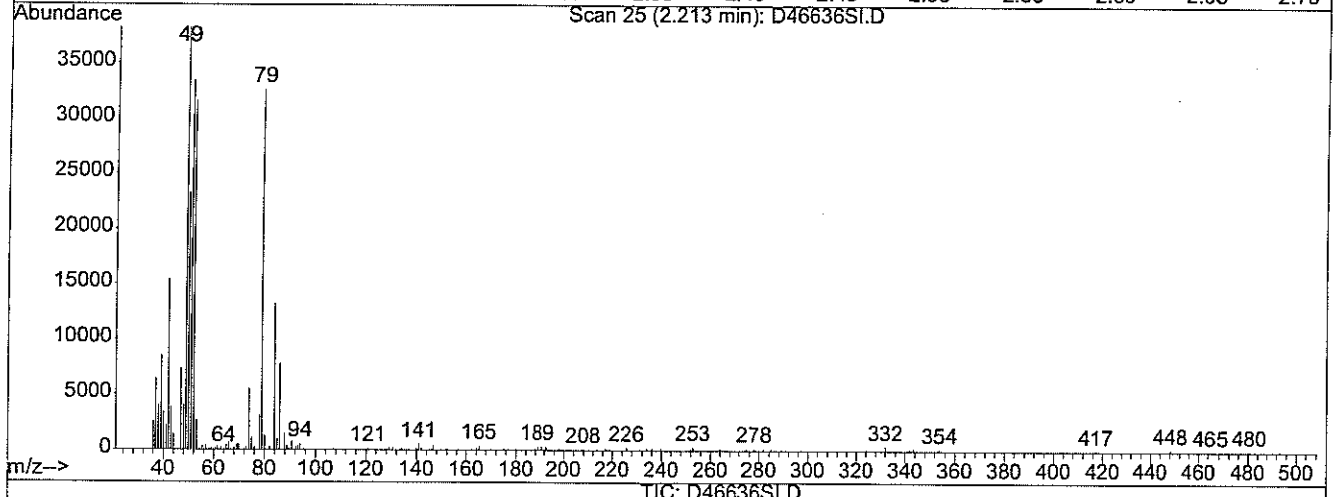
Data File : D:\HPCHEM\1\DATA\032106-D\D46636SI.D
Acq On : 22 Mar 2006 12:47 am
Sample : S6724 PT2 10/20
Misc :
MS Integration Params: RTEINT.P
Quant Time: Mar 22 21:15 2006

Vial: 4
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:11:47 2006
Response via : Multiple Level Calibration





TIC: D46636SI.D

(2) Pyridine (TM)

2.21min 9.32ug/ml m

response 116356

Ion	Exp%	Act%
79.00	100	100
52.00	103.80	84.17
0.00	0.00	0.00
0.00	0.00	0.00

D46636SI.D S03216.M Wed Mar 22 21:15:58 2006

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\032106-D\D46637SI.D Vial: 5
Acq On : 22 Mar 2006 1:02 am Operator:
Sample : S6723 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Mar 22 21:17 2006 Quant Results File: S03216.RES

Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:11:47 2006
Response via : Initial Calibration
DataAcq Meth : ABN

3-23-06 3/22/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	6.49	152	570602	40.00	ug/ml	0.00
19) d8-Naphthalene	9.43	136	2044487	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.75	164	1204387	40.00	ug/ml	0.00
61) d10-Phenanthrene	17.34	188	2031125	40.00	ug/ml	0.00
71) d12-Chrysene	23.87	240	1773176	40.00	ug/ml	0.00
79) d12-Perylene	28.30	264	1620826	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.03	112	637878	40.14	ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 53.52%			
5) d5-Phenol	5.84	99	765521	40.61	ug/ml	0.00
Spiked Amount 75.000	Range 22 - 110		Recovery = 54.15%			
20) d5-nitrobenzene	7.82	82	1049784	40.29	ug/ml	0.00
Spiked Amount 50.000	Range 45 - 107		Recovery = 80.58%			
39) 2-Fluorobiphenyl	12.13	172	1637354	40.01	ug/ml	0.00
Spiked Amount 50.000	Range 44 - 102		Recovery = 80.02%			
60) 2,4,6-Tribromophenol	15.72	330	309067	41.70	ug/ml	0.00
Spiked Amount 75.000	Range 63 - 127		Recovery = 55.60%#			
73) d14-p-terphenyl	21.30	244	1668039	40.09	ug/ml	0.00
Spiked Amount 50.000	Range 33 - 132		Recovery = 80.18%			
Target Compounds						Qvalue
2) Pyridine	2.21	79	248804m	19.48	ug/ml	
3) N-nitrosodimethylamine	2.17	42	357347	19.81	ug/ml	100
6) Aniline	5.91	93	482551	19.76	ug/ml	100
7) Phenol	5.87	94	869804	40.83	ug/ml	100
8) 2-Chlorophenol	6.13	128	778987	40.20	ug/ml	100
9) bis(2-chloroethyl) ether	6.02	93	334205	20.82	ug/ml	100
10) 1,3-Dichlorobenzene	6.41	146	436812	19.61	ug/ml	100
11) 1,4-Dichlorobenzene	6.53	146	468270	19.96	ug/ml	100
12) 1,2-Dichlorobenzene	6.94	146	429693	19.65	ug/ml	100
13) Benzyl Alcohol	6.87	108	219587	21.01	ug/ml	100
14) 2-Methylphenol	7.17	108	604137	39.72	ug/ml	100
15) bis(2-chloroisopropyl)ethe	7.20	45	623976	20.35	ug/ml	100
16) 3+4-Methylphenol	7.51	108	639491	41.92	ug/ml	100
17) Hexachloroethane	7.62	117	198650	20.19	ug/ml	100
18) N-nitroso-di-n-propylamine	7.53	70	322845	20.22	ug/ml	100
21) Nitrobenzene	7.86	123	207994	21.11	ug/ml	100
22) Isophorone	8.40	82	800880	20.34	ug/ml	100
23) 2-Nitrophenol	8.60	139	468436	39.93	ug/ml	100
24) 2,4-Dimethylphenol	8.74	107	807363	39.61	ug/ml	100
25) Bis(2-chloroethoxy)methane	8.95	93	417932	20.71	ug/ml	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\032106-D\D46637SI.D Vial: 5
Acq On : 22 Mar 2006 1:02 am Operator:
Sample : S6723 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Mar 22 21:17 2006 Quant Results File: S03216.RES

Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:11:47 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 2,4-Dichlorophenol	9.16	162	672244	38.95 ug/ml	100
27) Benzoic Acid	9.15	105	571761	42.84 ug/ml	100
28) 1,2,4-Trichlorobenzene	9.34	180	377639	20.21 ug/ml	100
29) Naphthalene	9.48	128	1015587	19.58 ug/ml	100
30) 2,6-Dichlorophenol	9.72	162	672053	39.36 ug/ml	100
31) 4-Chloroaniline	9.71	127	432073	18.90 ug/ml	100
32) Hexachlorobutadiene	9.92	225	227569	19.47 ug/ml	100
33) 4-Chloro-3-methylphenol	10.94	107	711457	41.65 ug/ml	100
34) 2-Methylnaphthalene	11.15	141	584543	19.86 ug/ml	100
36) Hexachlorocyclopentadiene	11.70	237	193001	21.01 ug/ml	100
37) 2,4,6-Trichlorophenol	11.95	196	504059	39.40 ug/ml	100
38) 2,4,5-Trichlorophenol	12.04	196	511555	39.99 ug/ml	100
40) 2-Chloronaphthalene	12.33	162	707519	19.79 ug/ml	100
41) 2-Nitroaniline	12.73	138	267484	20.35 ug/ml	100
42) 2,6-Dinitrotoluene	13.43	165	212796	19.74 ug/ml	100
43) Dimethyl Phthalate	13.26	163	874459	20.07 ug/ml	100
44) Acenaphthylene	13.36	152	1082063	20.12 ug/ml	100
45) 3-Nitroaniline	13.76	138	218964	20.56 ug/ml	100
46) Acenaphthene	13.82	154	650359	20.06 ug/ml	100
47) 2,4-dinitrophenol	14.00	184	278048	42.66 ug/ml	100
48) Dibenzofuran	14.21	168	997241	20.23 ug/ml	100
49) 4-Nitrophenol	14.27	109	383003	39.41 ug/ml	100
50) 2,4-Dinitrotoluene	14.37	165	292348	20.52 ug/ml	100
51) 2,3,4,6-Tetrachlorophenol	14.66	232	385544	40.41 ug/ml	100
52) Fluorene	15.06	166	796918	19.63 ug/ml	100
53) Diethyl Phthalate	15.00	149	924469	20.19 ug/ml	100
54) 4-Chlorophenyl phenyl eth	15.09	204	365688	19.30 ug/ml	100
55) 4-Nitroaniline	15.29	138	206795	47.16 ug/ml#	1
56) 4,6-Dinitro-2-methylphenol	15.37	198	378291	41.41 ug/ml	100
57) n-nitrosodiphenylamine	15.41	169	507150	19.58 ug/ml	100
58) Azobenzene	15.47	77	1037438	19.66 ug/ml	100
59) Biphenyl	12.33	154	951832	19.85 ug/ml	100
62) 4-bromophenyl phenyl ether	16.27	248	236529	19.85 ug/ml	100
63) Hexachlorobenzene	16.60	284	276292	19.45 ug/ml	100
64) Pentachlorophenol	17.08	266	372796	37.83 ug/ml	100
65) Phenanthrene	17.39	178	1073880	20.08 ug/ml	100
66) Anthracene	17.50	178	1049556	19.84 ug/ml	100
67) Carbazole	17.95	167	965277	20.16 ug/ml	100
68) Di-n-butyl phthalate	18.96	149	1462020	19.95 ug/ml	100
69) Fluoranthene	20.31	202	1092326	20.02 ug/ml	100
70) Benzidine	20.70	184	356795	19.89 ug/ml	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\032106-D\D46637SI.D Vial: 5
Acq On : 22 Mar 2006 1:02 am Operator:
Sample : S6723 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Mar 22 21:17 2006 Quant Results File: S03216.RES

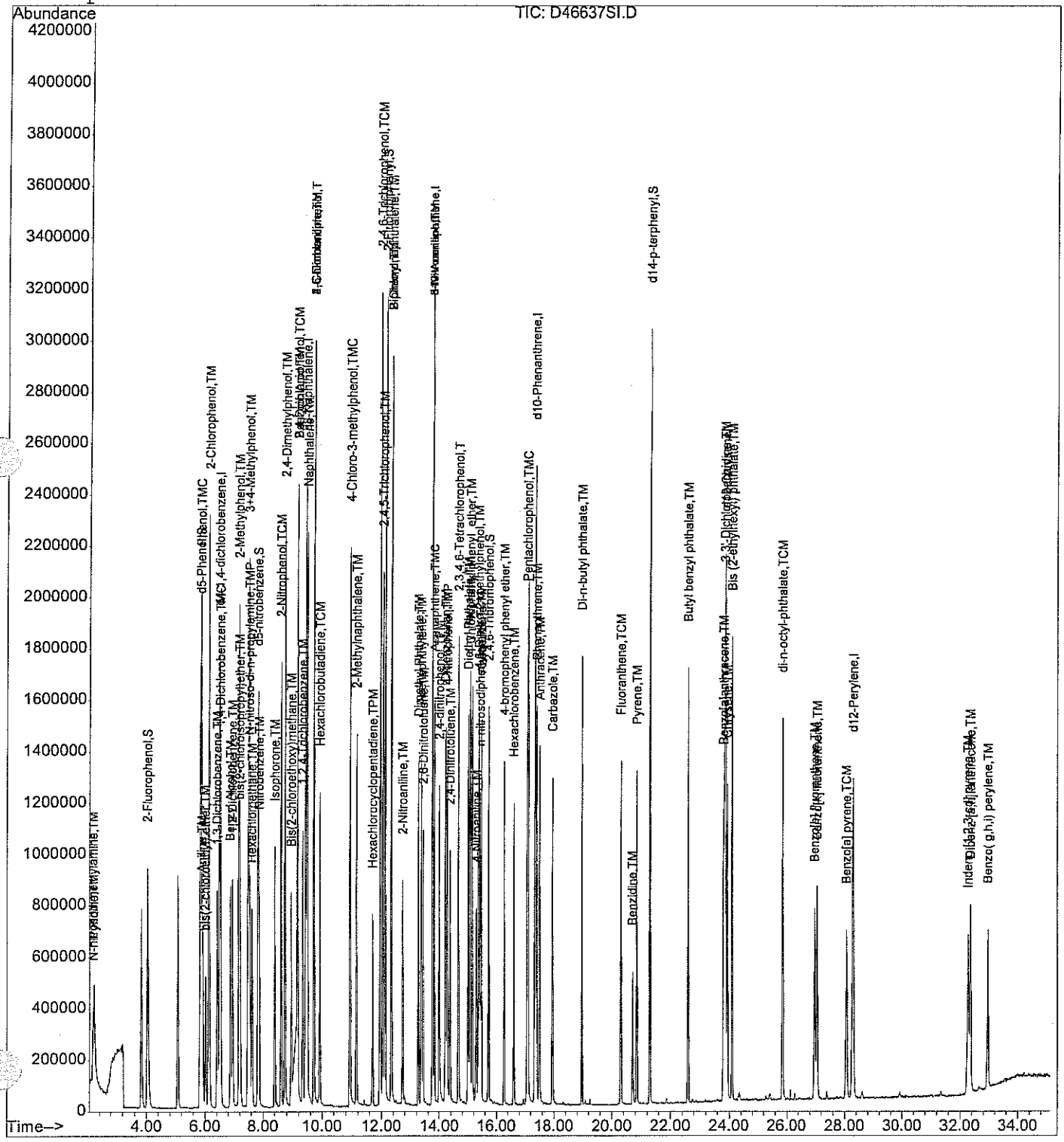
Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:11:47 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
72) Pyrene	20.85	202	1093228	20.02	ug/ml	100
74) Butyl benzyl phthalate	22.60	149	672520	20.20	ug/ml	100
75) Benzo[a]anthracene	23.81	228	964284	19.93	ug/ml	100
76) Chrysene	23.93	228	893494	20.01	ug/ml	100
77) 3,3'-Dichlorobenzidine	23.84	252	374141	19.03	ug/ml	100
78) Bis (2-ethylhexyl) phthala	24.09	149	832080	19.53	ug/ml	100
80) di-n-octyl-phthalate	25.86	149	1459144	20.54	ug/ml	100
81) Benzo[b] fluoranthene	26.98	252	934532	20.02	ug/ml	100
82) Benzo[k] fluoranthene	27.07	252	900546	20.25	ug/ml	100
83) Benzo[a] pyrene	28.07	252	866036	19.84	ug/ml	100
84) Indeno [1,2,3-cd] pyrene	32.28	276	831599	18.23	ug/ml	100
85) Dibenz [a,h] anthracene	32.36	278	835412	18.44	ug/ml	100
86) Benzo(g,h,i) perylene	32.96	276	733814	17.92	ug/ml	100

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\032106-D\D46637SI.D Vial: 5
Acq On : 22 Mar 2006 1:02 am Operator:
Sample : S6723 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 22 21:17 2006 Quant Results File: S03216.RES

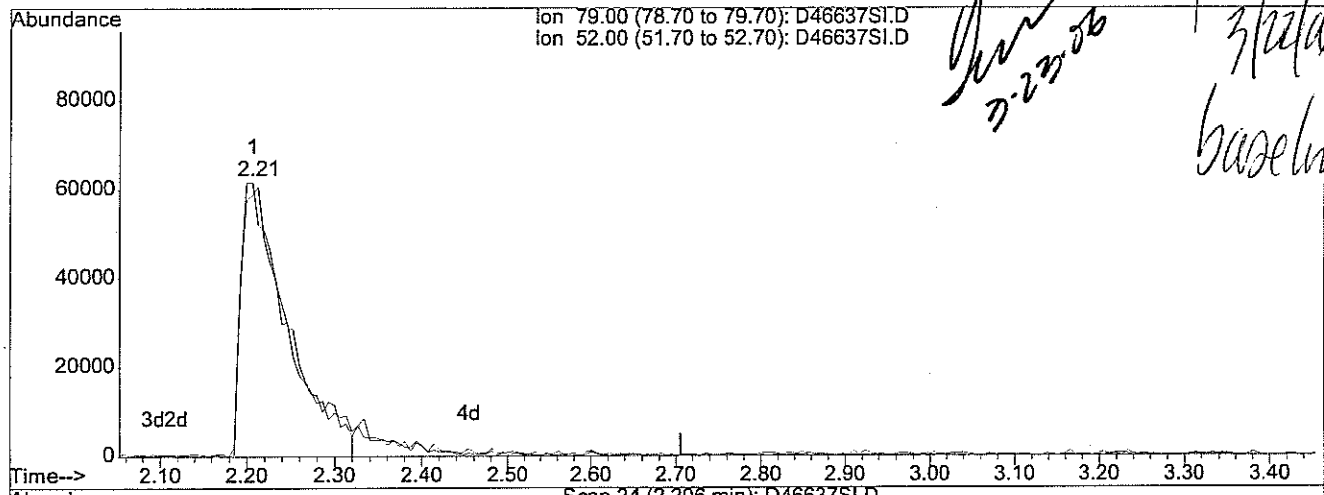
Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:11:47 2006
Response via : Initial Calibration

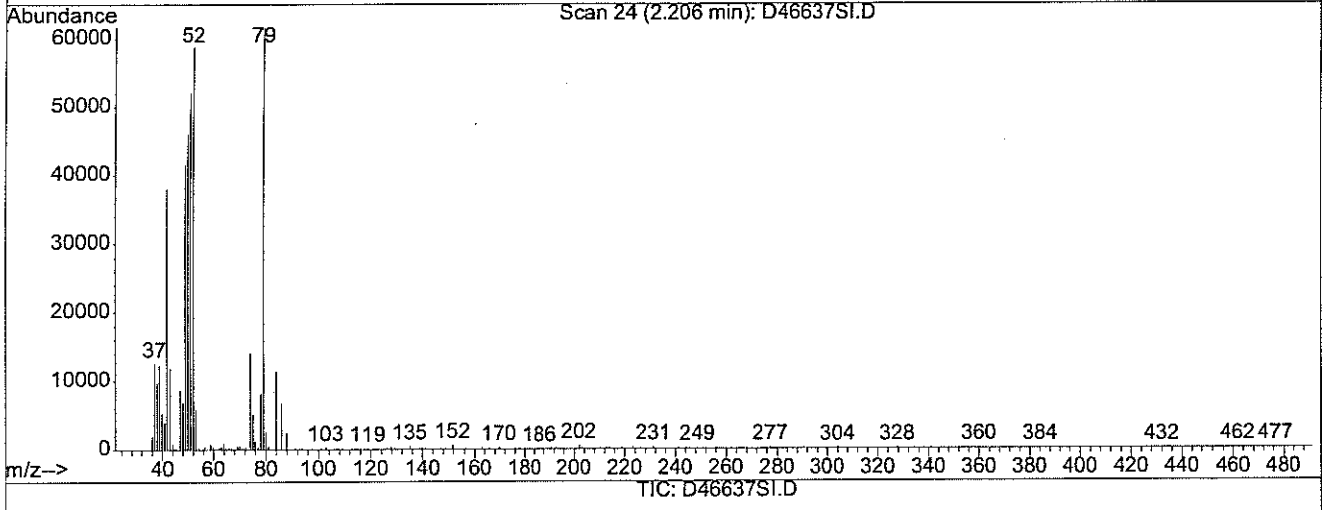


Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\032106-D\D46637SI.D Vial: 5
Acq On : 22 Mar 2006 1:02 am Operator:
Sample : S6723 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 22 21:17 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:11:47 2006
Response via : Multiple Level Calibration





(2) Pyridine (TM)

2.21min 17.80ug/ml

response 227269

Ion	Exp%	Act%
79.00	100	100
52.00	103.80	103.81
0.00	0.00	0.00
0.00	0.00	0.00

D46637SI.D S03216.M Wed Mar 22 21:17:23 2006

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\032106-D\D46637SI.D
Acq On : 22 Mar 2006 1:02 am
Sample : S6723 PT3 20/40
Misc :
MS Integration Params: RTEINT.P
Quant Time: Mar 22 21:17 2006

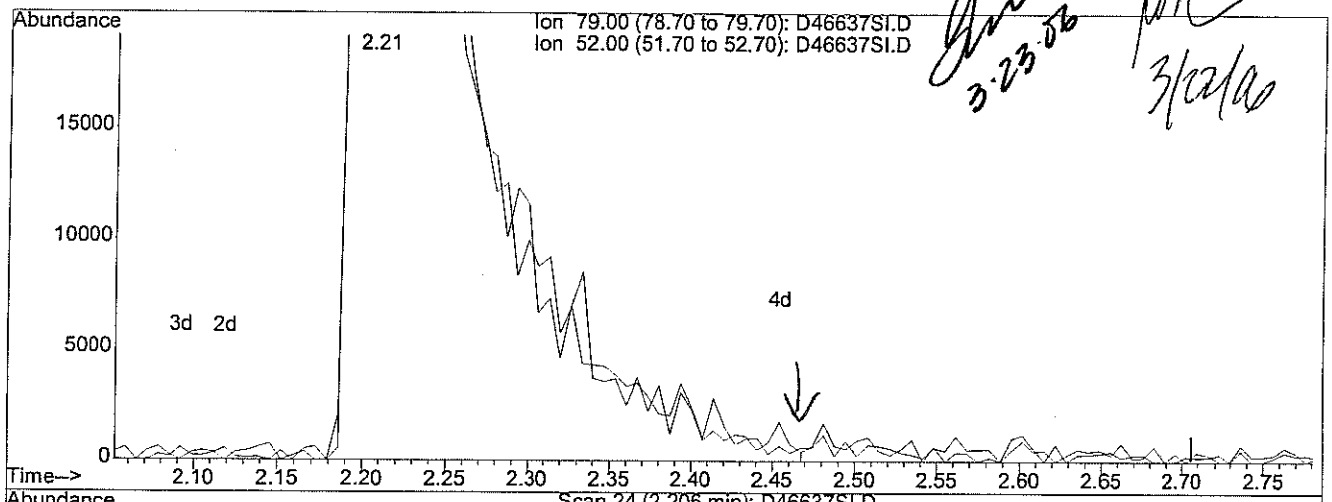
Vial: 5
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:11:47 2006
Response via : Multiple Level Calibration

3-23-06

3/22/06



TIC: D46637SI.D

(2) Pyridine (TM)

2.21min 19.48ug/ml m

response 248804

Ion	Exp%	Act%
79.00	100	100
52.00	103.80	94.83
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\032106-D\D46638SI.D Vial: 6
Acq On : 22 Mar 2006 2:08 am Operator:
Sample : S6722 PT4A 40/80 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Mar 22 21:01 2006 Quant Results File: S03216.RES

Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:01:30 2006
Response via : Initial Calibration
DataAcq Meth : ABN

3-22-06

3/22/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	6.50	152	565529	40.00	ug/ml	0.00
19) d8-Naphthalene	9.44	136	1987933	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.75	164	1204056	40.00	ug/ml	0.00
61) d10-Phenanthrene	17.35	188	1944056	40.00	ug/ml	0.00
71) d12-Chrysene	23.88	240	1784445	40.00	ug/ml	0.00
79) d12-Perylene	28.31	264	1670479	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.04	112	1309969	77.64	ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 103.52%			
5) d5-Phenol	5.86	99	1546308	79.04	ug/ml	0.02
Spiked Amount 75.000	Range 22 - 110		Recovery = 105.39%			
20) d5-nitrobenzene	7.84	82	2165595	80.30	ug/ml	0.01
Spiked Amount 50.000	Range 45 - 107		Recovery = 160.60%#			
39) 2-Fluorobiphenyl	12.13	172	3393376	82.68	ug/ml	0.00
Spiked Amount 50.000	Range 44 - 102		Recovery = 165.36%#			
60) 2,4,6-Tribromophenol	15.73	330	651787	85.50	ug/ml	0.01
Spiked Amount 75.000	Range 63 - 127		Recovery = 114.00%			
73) d14-p-terphenyl	21.31	244	3432524	88.01	ug/ml	0.01
Spiked Amount 50.000	Range 33 - 132		Recovery = 176.02%#			
Target Compounds						Qvalue
2) Pyridine	2.21	79	526191	35.88	ug/ml	90
3) N-nitrosodimethylamine	2.17	42	741955	33.89	ug/ml	99
6) Aniline	5.92	93	982820	38.79	ug/ml	98
7) Phenol	5.88	94	1754476	80.76	ug/ml	98
8) 2-Chlorophenol	6.14	128	1604193	82.65	ug/ml	98
9) bis(2-chloroethyl) ether	6.03	93	680744	41.19	ug/ml	97
10) 1,3-Dichlorobenzene	6.42	146	911174	41.47	ug/ml	97
11) 1,4-Dichlorobenzene	6.54	146	938562	40.48	ug/ml	100
12) 1,2-Dichlorobenzene	6.95	146	872565	40.14	ug/ml	99
13) Benzyl Alcohol	6.88	108	437056	40.82	ug/ml	97
14) 2-Methylphenol	7.18	108	1260250	82.66	ug/ml	97
15) bis(2-chloroisopropyl)ethe	7.21	45	1269146	37.95	ug/ml	100
16) 3+4-Methylphenol	7.54	108	1316504	83.58	ug/ml	98
17) Hexachloroethane	7.62	117	390271	38.42	ug/ml	97
18) N-nitroso-di-n-propylamine	7.58	70	646324	39.72	ug/ml	96
21) Nitrobenzene	7.88	123	395656	39.72	ug/ml	94
22) Isophorone	8.42	82	1622985	41.70	ug/ml	99
23) 2-Nitrophenol	8.62	139	974368	86.19	ug/ml	93
24) 2,4-Dimethylphenol	8.75	107	1684677	83.15	ug/ml	98
25) Bis(2-chloroethoxy)methane	8.96	93	835595	41.70	ug/ml	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\032106-D\D46638SI.D Vial: 6
Acq On : 22 Mar 2006 2:08 am Operator:
Sample : S6722 PT4A 40/80 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Mar 22 21:01 2006 Quant Results File: S03216.RES

Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:01:30 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
26) 2,4-Dichlorophenol	9.17	162	1413921	88.22	ug/ml	96
27) Benzoic Acid	9.25	105	1220550	81.98	ug/ml#	41
28) 1,2,4-Trichlorobenzene	9.35	180	733228	41.47	ug/ml	96
29) Naphthalene	9.49	128	2113124	41.60	ug/ml	100
30) 2,6-Dichlorophenol	9.72	162	1407972	87.70	ug/ml	95
31) 4-Chloroaniline	9.72	127	939427	43.21	ug/ml	95
32) Hexachlorobutadiene	9.93	225	470307	42.63	ug/ml	99
33) 4-Chloro-3-methylphenol	10.95	107	1399872	83.02	ug/ml	97
34) 2-Methylnaphthalene	11.15	141	1182154	41.91	ug/ml	99
36) Hexachlorocyclopentadiene	11.70	237	421194	41.74	ug/ml	99
37) 2,4,6-Trichlorophenol	11.96	196	1062912	86.13	ug/ml	98
38) 2,4,5-Trichlorophenol	12.06	196	1064214	85.40	ug/ml	99
40) 2-Chloronaphthalene	12.35	162	1482782	41.14	ug/ml	99
41) 2-Nitroaniline	12.74	138	535870	40.69	ug/ml	98
42) 2,6-Dinitrotoluene	13.44	165	439041	42.28	ug/ml	100
43) Dimethyl Phthalate	13.27	163	1773648	41.75	ug/ml	99
44) Acenaphthylene	13.37	152	2224112	41.19	ug/ml	100
45) 3-Nitroaniline	13.78	138	459019	42.02	ug/ml	91
46) Acenaphthene	13.83	154	1338025	40.90	ug/ml	99
47) 2,4-dinitrophenol	14.03	184	635661	83.64	ug/ml	97
48) Dibenzofuran	14.22	168	2039410	41.54	ug/ml	99
49) 4-Nitrophenol	14.29	109	873778	87.50	ug/ml	92
50) 2,4-Dinitrotoluene	14.39	165	591803	42.34	ug/ml	98
51) 2,3,4,6-Tetrachlorophenol	14.67	232	834231	89.68	ug/ml	98
52) Fluorene	15.07	166	1695877	42.41	ug/ml	98
53) Diethyl Phthalate	15.02	149	1839809	39.25	ug/ml	98
54) 4-Chlorophenyl phenyl eth	15.09	204	794072	43.07	ug/ml	96
55) 4-Nitroaniline	15.33	138	399652	39.87	ug/ml#	1
56) 4,6-Dinitro-2-methylphenol	15.40	198	799428	82.02	ug/ml	99
57) n-nitrosodiphenylamine	15.44	169	1056465	42.44	ug/ml#	87
58) Azobenzene	15.48	77	2202977	38.13	ug/ml	96
59) Biphenyl	12.33	154	1992473	41.19	ug/ml	98
62) 4-bromophenyl phenyl ether	16.27	248	483695	42.47	ug/ml	99
63) Hexachlorobenzene	16.61	284	560362	40.78	ug/ml	98
64) Pentachlorophenol	17.09	266	849532	78.97	ug/ml	98
65) Phenanthrene	17.41	178	2144048	41.71	ug/ml	100
66) Anthracene	17.52	178	2103560	41.81	ug/ml	99
67) Carbazole	17.97	167	1844393	38.50	ug/ml	99
68) Di-n-butyl phthalate	18.97	149	2956260	40.41	ug/ml	100
69) Fluoranthene	20.32	202	2223112	41.71	ug/ml	99
70) Benzidine	20.71	184	611395	28.42	ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\032106-D\D46638SI.D Vial: 6
Acq On : 22 Mar 2006 2:08 am Operator:
Sample : S6722 PT4A 40/80 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Mar 22 21:01 2006 Quant Results File: S03216.RES

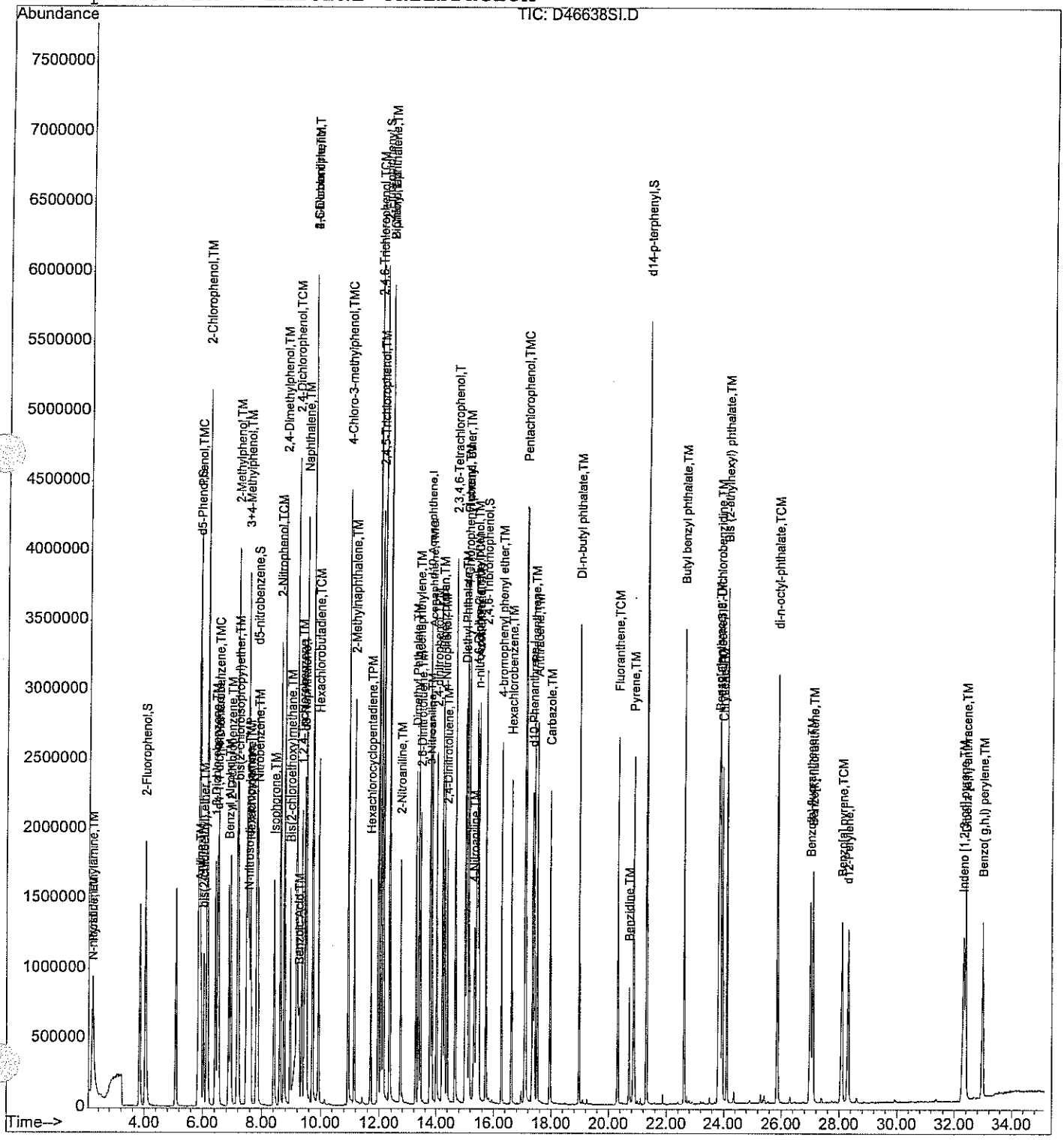
Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:01:30 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
72) Pyrene	20.86	202	2226104	41.99 ug/ml	99
74) Butyl benzyl phthalate	22.60	149	1375330	41.52 ug/ml	99
75) Benzo[a]anthracene	23.82	228	2035780	41.21 ug/ml	100
76) Chrysene	23.95	228	1850075	41.66 ug/ml	99
77) 3,3'-Dichlorobenzidine	23.86	252	832745	41.88 ug/ml	100
78) Bis (2-ethylhexyl) phthala	24.10	149	1738446	40.21 ug/ml	99
80) di-n-octyl-phthalate	25.86	149	3046797	43.10 ug/ml	100
81) Benzo[b] fluoranthene	27.01	252	1993777	42.12 ug/ml	98
82) Benzo[k] fluoranthene	27.09	252	1937822	42.94 ug/ml	99
83) Benzo[a] pyrene	28.10	252	1866730	41.92 ug/ml	98
84) Indeno [1,2,3-cd] pyrene	32.31	276	1912369	44.76 ug/ml	98
85) Dibenz [a,h] anthracene	32.40	278	1932483	45.92 ug/ml	100
86) Benzo(g,h,i) perylene	33.00	276	1734720	43.77 ug/ml	98

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\032106-D\D46638SI.D Vial: 6
Acq On : 22 Mar 2006 2:08 am Operator:
Sample : S6722 PT4A 40/80 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 22 21:01 2006 Quant Results File: S03216.RES

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:01:30 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\032106-D\D46639SI.D Vial: 7
Acq On : 22 Mar 2006 2:41 am Operator:
Sample : S6721 PT4 50/100 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Mar 22 21:03 2006 Quant Results File: S03216.RES

Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:01:30 2006
Response via : Initial Calibration
DataAcq Meth : ABN

3-23-06 3/22/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	6.50	152	548249	40.00	ug/ml	0.00
19) d8-Naphthalene	9.45	136	1925570	40.00	ug/ml	0.01
35) d10-Acenaphthene	13.76	164	1188629	40.00	ug/ml	0.00
61) d10-Phenanthrene	17.35	188	1900183	40.00	ug/ml	0.01
71) d12-Chrysene	23.88	240	1767893	40.00	ug/ml	0.00
79) d12-Perylene	28.31	264	1638638	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.04	112	1656979	101.30	ug/ml	0.01
Spiked Amount 75.000	Range 28 - 110		Recovery = 135.07%#			
5) d5-Phenol	5.88	99	1957547	103.22	ug/ml	0.03
Spiked Amount 75.000	Range 22 - 110		Recovery = 137.63%#			
20) d5-nitrobenzene	7.84	82	2600177	99.53	ug/ml	0.02
Spiked Amount 50.000	Range 45 - 107		Recovery = 199.06%#			
39) 2-Fluorobiphenyl	12.14	172	4204504	103.77	ug/ml	0.02
Spiked Amount 50.000	Range 44 - 102		Recovery = 207.54%#			
60) 2,4,6-Tribromophenol	15.73	330	790428	103.53	ug/ml	0.02
Spiked Amount 75.000	Range 63 - 127		Recovery = 138.04%#			
73) d14-p-terphenyl	21.32	244	4287467	110.96	ug/ml	0.02
Spiked Amount 50.000	Range 33 - 132		Recovery = 221.92%#			
Target Compounds						Qvalue
2) Pyridine	2.20	79	642765	45.21	ug/ml	91
3) N-nitrosodimethylamine	2.18	42	905639	42.67	ug/ml	95
6) Aniline	5.93	93	1240203	50.49	ug/ml	99
7) Phenol	5.90	94	2158586	102.50	ug/ml	97
8) 2-Chlorophenol	6.14	128	1972211	104.82	ug/ml	99
9) bis(2-chloroethyl) ether	6.04	93	821464	51.27	ug/ml	99
10) 1,3-Dichlorobenzene	6.43	146	1096408	51.48	ug/ml	99
11) 1,4-Dichlorobenzene	6.53	146	1172734	52.18	ug/ml	99
12) 1,2-Dichlorobenzene	6.95	146	1067316	50.65	ug/ml	99
13) Benzyl Alcohol	6.88	108	570148	54.93	ug/ml	96
14) 2-Methylphenol	7.18	108	1542351	104.35	ug/ml	98
15) bis(2-chloroisopropyl)ethe	7.21	45	1541674	47.55	ug/ml	97
16) 3+4-Methylphenol	7.55	108	1591023	104.19	ug/ml	98
17) Hexachloroethane	7.62	117	482534	48.99	ug/ml	100
18) N-nitroso-di-n-propylamine	7.58	70	786276	49.84	ug/ml	95
21) Nitrobenzene	7.88	123	500320	51.85	ug/ml	96
22) Isophorone	8.43	82	1948244	51.67	ug/ml	99
23) 2-Nitrophenol	8.62	139	1167316	106.60	ug/ml	96
24) 2,4-Dimethylphenol	8.76	107	2018342	102.85	ug/ml	98
25) Bis(2-chloroethoxy)methane	8.96	93	1011451	52.12	ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\032106-D\D46639SI.D Vial: 7
Acq On : 22 Mar 2006 2:41 am Operator:
Sample : S6721 PT4 50/100 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Mar 22 21:03 2006 Quant Results File: S03216.RES

Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:01:30 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 2,4-Dichlorophenol	9.18	162	1740487	112.11 ug/ml	95
27) Benzoic Acid	9.29	105	1521872m	103.32 ug/ml	
28) 1,2,4-Trichlorobenzene	9.35	180	889140	51.92 ug/ml	93
29) Naphthalene	9.49	128	2558820	52.01 ug/ml	100
30) 2,6-Dichlorophenol	9.73	162	1731582	111.35 ug/ml	94
31) 4-Chloroaniline	9.73	127	1169406	55.53 ug/ml	94
32) Hexachlorobutadiene	9.93	225	571145	53.45 ug/ml	99
33) 4-Chloro-3-methylphenol	10.96	107	1731624	106.02 ug/ml	98
34) 2-Methylnaphthalene	11.16	141	1456359	53.30 ug/ml	99
36) Hexachlorocyclopentadiene	11.71	237	511355	50.68 ug/ml	97
37) 2,4,6-Trichlorophenol	11.96	196	1317842	108.17 ug/ml	98
38) 2,4,5-Trichlorophenol	12.06	196	1348803	109.64 ug/ml	98
40) 2-Chloronaphthalene	12.35	162	1833556	51.53 ug/ml	100
41) 2-Nitroaniline	12.74	138	680272	52.33 ug/ml	97
42) 2,6-Dinitrotoluene	13.44	165	538671	52.55 ug/ml	100
43) Dimethyl Phthalate	13.28	163	2170635	51.75 ug/ml	99
44) Acenaphthylene	13.37	152	2699869	50.65 ug/ml	99
45) 3-Nitroaniline	13.78	138	548055	50.82 ug/ml	93
46) Acenaphthene	13.84	154	1640964	50.81 ug/ml	99
47) 2,4-dinitrophenol	14.03	184	790491	103.10 ug/ml	95
48) Dibenzofuran	14.22	168	2490168	51.37 ug/ml	100
49) 4-Nitrophenol	14.31	109	1040949	105.59 ug/ml	95
50) 2,4-Dinitrotoluene	14.40	165	738847	53.55 ug/ml	99
51) 2,3,4,6-Tetrachlorophenol	14.67	232	1041614	113.43 ug/ml	97
52) Fluorene	15.07	166	2119158	53.68 ug/ml	96
53) Diethyl Phthalate	15.02	149	2251935	48.67 ug/ml	97
54) 4-Chlorophenyl phenyl eth	15.10	204	991959	54.50 ug/ml	95
55) 4-Nitroaniline	15.35	138	492155	49.74 ug/ml#	1
56) 4,6-Dinitro-2-methylphenol	15.41	198	987213	101.49 ug/ml	97
57) n-nitrosodiphenylamine	15.44	169	1328794	54.08 ug/ml#	88
58) Azobenzene	15.48	77	2697112	47.29 ug/ml	97
59) Biphenyl	12.34	154	2424648	50.77 ug/ml	98
62) 4-bromophenyl phenyl ether	16.28	248	594262	53.38 ug/ml	98
63) Hexachlorobenzene	16.61	284	703011	51.48 ug/ml	98
64) Pentachlorophenol	17.10	266	1050819	96.46 ug/ml	96
65) Phenanthrene	17.41	178	2629168	52.33 ug/ml	99
66) Anthracene	17.52	178	2582516	52.51 ug/ml	100
67) Carbazole	17.96	167	2322857	49.61 ug/ml	100
68) Di-n-butyl phthalate	18.97	149	3607685	50.46 ug/ml	99
69) Fluoranthene	20.33	202	2772494	53.22 ug/ml	99
70) Benzidine	20.71	184	723186	34.40 ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\032106-D\D46639SI.D Vial: 7
Acq On : 22 Mar 2006 2:41 am Operator:
Sample : S6721 PT4 50/100 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Mar 22 21:03 2006 Quant Results File: S03216.RES

Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:01:30 2006
Response via : Initial Calibration
DataAcq Meth : ABN

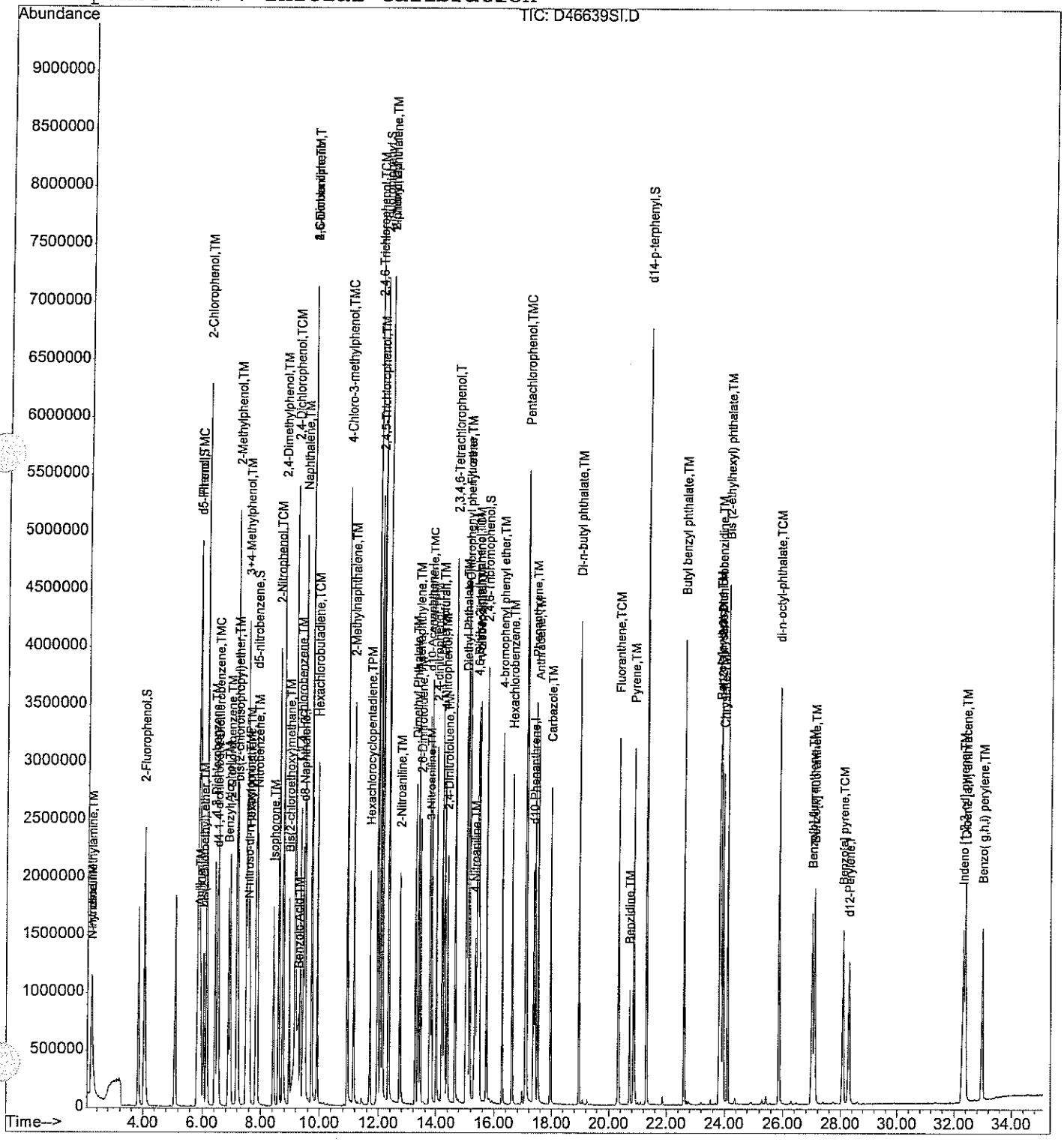
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
72) Pyrene	20.86	202	2767679	52.70 ug/ml	99
74) Butyl benzyl phthalate	22.61	149	1675910	51.07 ug/ml	100
75) Benzo[a]anthracene	23.82	228	2503248	51.15 ug/ml	99
76) Chrysene	23.95	228	2309483	52.50 ug/ml	99
77) 3,3'-Dichlorobenzidine	23.86	252	1046667	53.13 ug/ml	98
78) Bis (2-ethylhexyl) phthala	24.10	149	2163695	50.51 ug/ml	99
80) di-n-octyl-phthalate	25.87	149	3716377	53.59 ug/ml	99
81) Benzo[b] fluoranthene	27.01	252	2468032	53.15 ug/ml	100
82) Benzo[k] fluoranthene	27.10	252	2247884	50.77 ug/ml	97
83) Benzo[a] pyrene	28.10	252	2277804	52.15 ug/ml	98
84) Indeno [1,2,3-cd] pyrene	32.33	276	2464674	58.81 ug/ml	97
85) Dibenz [a,h] anthracene	32.41	278	2508052	60.76 ug/ml	99
86) Benzo(g,h,i) perylene	33.01	276	2207291	56.77 ug/ml	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\032106-D\D46639SI.D Vial: 7
Acq On : 22 Mar 2006 2:41 am Operator:
Sample : S6721 PT4 50/100 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 22 21:03 2006 Quant Results File: S03216.RES

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:01:30 2006
Response via : Initial Calibration

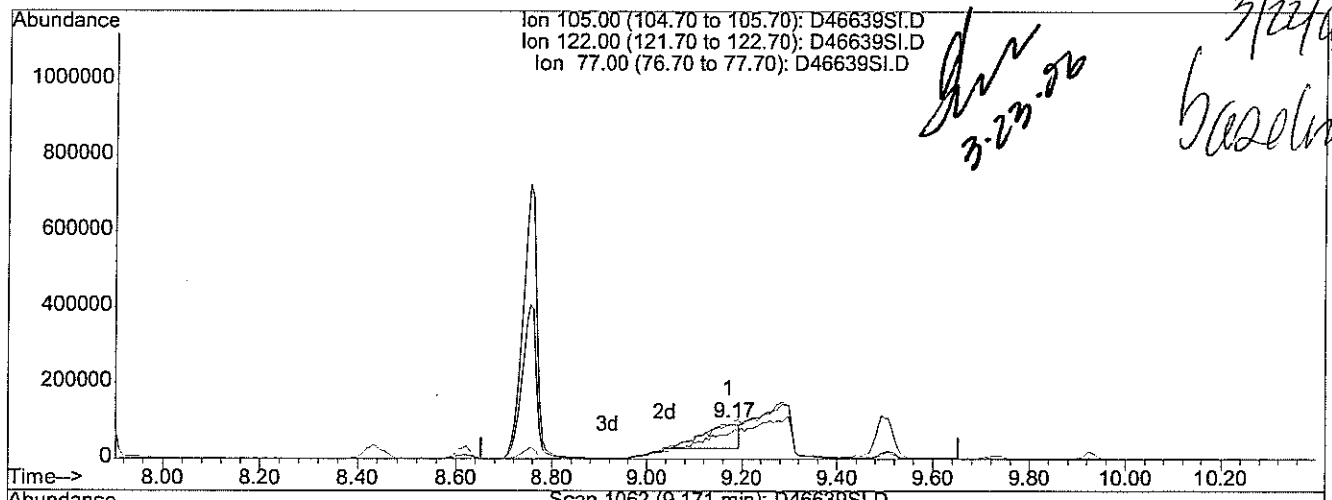


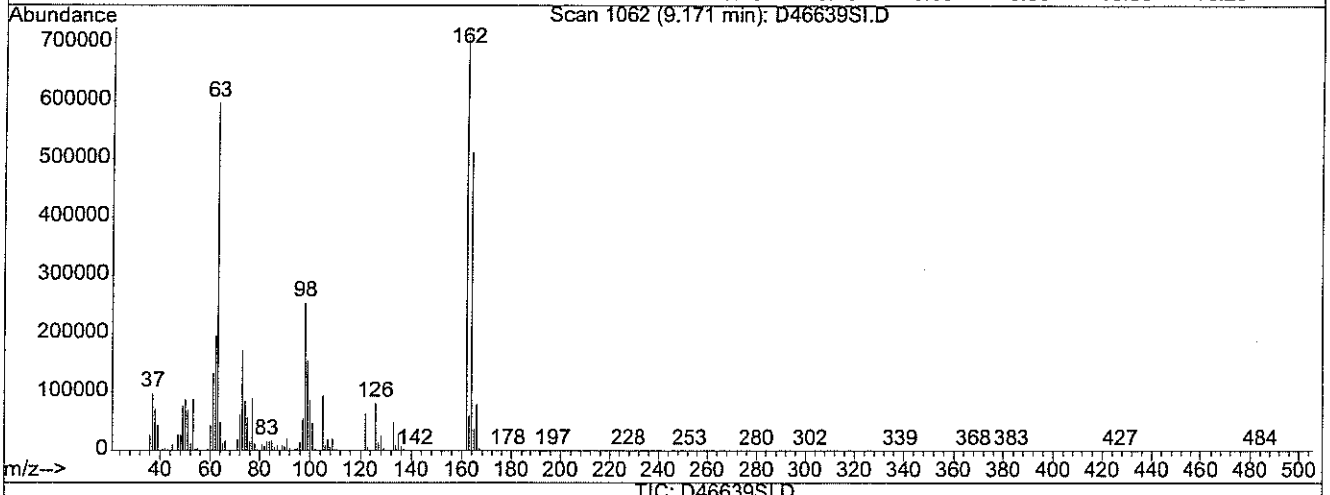
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\032106-D\D46639SI.D Vial: 7
Acq On : 22 Mar 2006 2:41 am Operator:
Sample : S6721 PT4 50/100 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 22 21:01 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:01:30 2006
Response via : Multiple Level Calibration

3/22/06
3-23-06
baseline





TIC: D46639SI.D

(27) Benzoic Acid (TM)

9.17min 26.86ug/ml

response 329095

Ion	Exp%	Act%
105.00	100	100
122.00	74.30	174.06#
77.00	100.00	178.58#
0.00	0.00	0.00

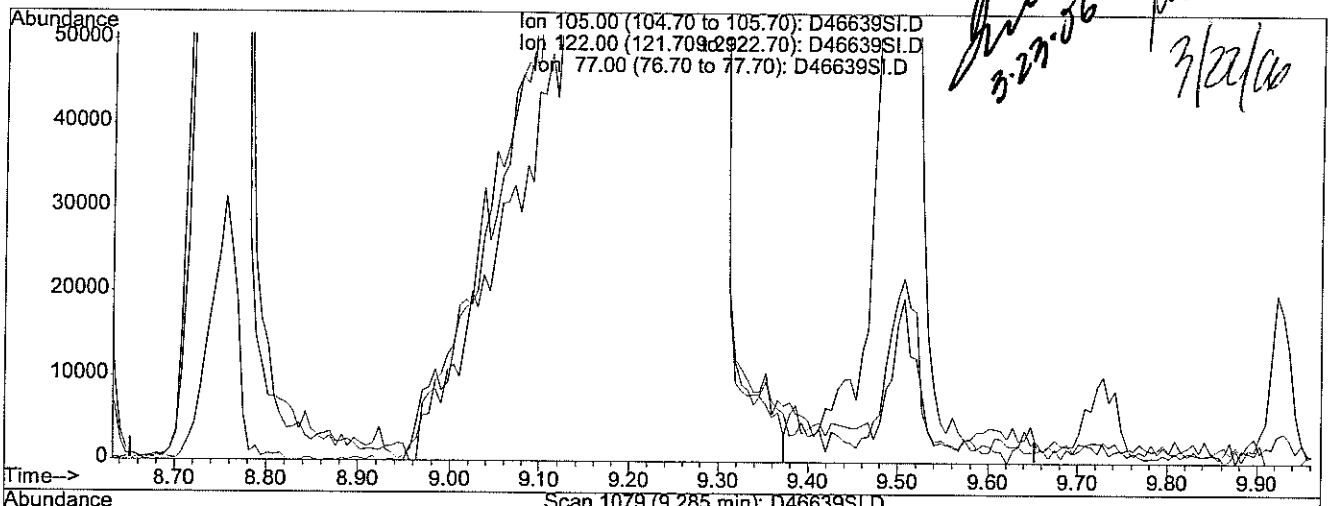
Quantitation Report (Qedit)

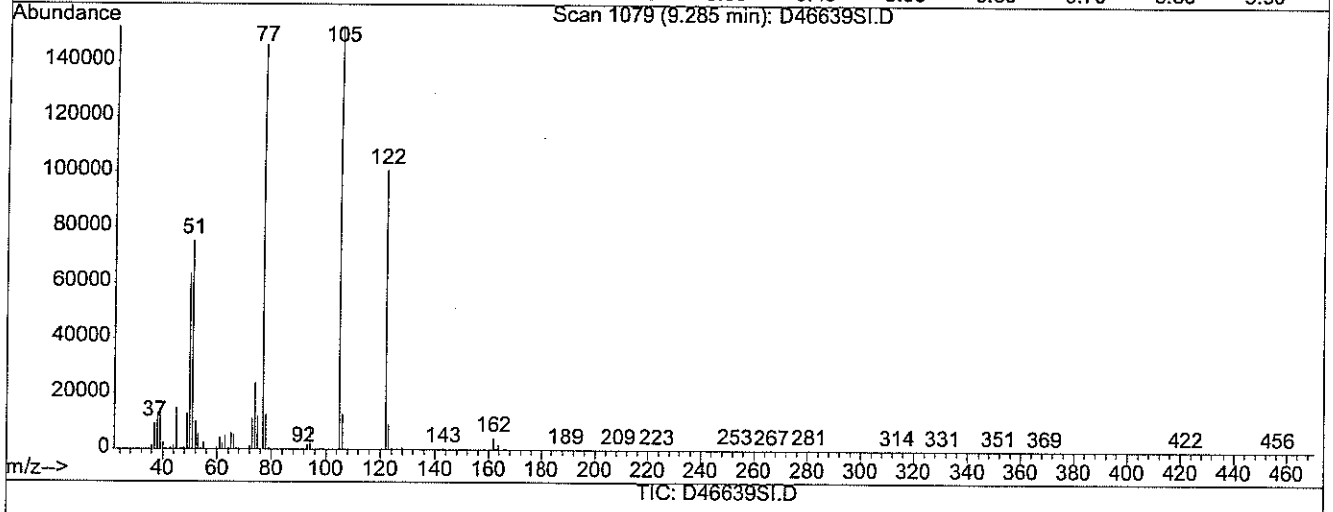
Data File : D:\HPCHEM\1\DATA\032106-D\D46639SI.D
Acq On : 22 Mar 2006 2:41 am
Sample : S6721 PT4 50/100
Misc :
MS Integration Params: RTEINT.P
Quant Time: Mar 22 21:03 2006

Vial: 7
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:01:30 2006
Response via : Multiple Level Calibration





TIC: D46639SI.D

(27) Benzoic Acid (TM)

9.29min 103.32ug/ml m

response 1521872

Ion	Exp%	Act%
105.00	100	100
122.00	74.30	37.64#
77.00	100.00	38.62#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\032106-D\D46640SI.D Vial: 8
Acq On : 22 Mar 2006 3:19 am Operator:
Sample : S6720 PT5 100/200 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Mar 22 21:08 2006 Quant Results File: S03216.RES

Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:06:59 2006
Response via : Initial Calibration
DataAcq Meth : ABN

3-22-06 3/22/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	6.50	152	612846	40.00	ug/ml	0.00
19) d8-Naphthalene	9.46	136	2058106	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.76	164	1240258	40.00	ug/ml	0.00
61) d10-Phenanthrene	17.37	188	1986065	40.00	ug/ml	0.00
71) d12-Chrysene	23.89	240	1958370	40.00	ug/ml	0.00
79) d12-Perylene	28.33	264	1875920	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.06	112	3524170	192.74	ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 256.99%#			
5) d5-Phenol	5.91	99	4193005	197.78	ug/ml	0.00
Spiked Amount 75.000	Range 22 - 110		Recovery = 263.71%#			
20) d5-nitrobenzene	7.87	82	5398337	193.34	ug/ml	0.00
Spiked Amount 50.000	Range 45 - 107		Recovery = 386.68%#			
39) 2-Fluorobiphenyl	12.16	172	9163441	216.75	ug/ml	0.00
Spiked Amount 50.000	Range 44 - 102		Recovery = 433.50%#			
60) 2,4,6-Tribromophenol	15.76	330	1823624	213.60	ug/ml	0.00
Spiked Amount 75.000	Range 63 - 127		Recovery = 284.80%#			
73) d14-p-terphenyl	21.34	244	9113249	212.92	ug/ml	0.00
Spiked Amount 50.000	Range 33 - 132		Recovery = 425.84%#			
Target Compounds						Qvalue
2) Pyridine	2.21	79	1375277	86.53	ug/ml	88
3) N-nitrosodimethylamine	2.18	42	1947258	82.08	ug/ml	93
6) Aniline	5.94	93	2595451	94.52	ug/ml	96
7) Phenol	5.94	94	4707192	199.95	ug/ml	96
8) 2-Chlorophenol	6.17	128	4401404	209.26	ug/ml	93
9) bis(2-chloroethyl) ether	6.07	93	1613268	90.08	ug/ml	91
10) 1,3-Dichlorobenzene	6.43	146	2380526	99.99	ug/ml	97
11) 1,4-Dichlorobenzene	6.54	146	2487223	99.00	ug/ml	99
12) 1,2-Dichlorobenzene	6.95	146	2288301	97.14	ug/ml	99
13) Benzyl Alcohol	6.91	108	1192416	102.76	ug/ml	95
14) 2-Methylphenol	7.21	108	3350816	202.81	ug/ml	96
15) bis(2-chloroisopropyl)ethe	7.22	45	3074727	84.85	ug/ml	94
16) 3+4-Methylphenol	7.59	108	2351040	137.73	ug/ml	97
17) Hexachloroethane	7.62	117	1048809	95.27	ug/ml	100
18) N-nitroso-di-n-propylamine	7.65	70	1630913	92.48	ug/ml	93
21) Nitrobenzene	7.91	123	1043162	101.14	ug/ml	98
22) Isophorone	8.51	82	3832495	95.10	ug/ml	99
23) 2-Nitrophenol	8.64	139	2468964	210.96	ug/ml	94
24) 2,4-Dimethylphenol	8.79	107	4287473	204.41	ug/ml	99
25) Bis(2-chloroethoxy)methane	8.99	93	2095642	101.03	ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\032106-D\D46640SI.D Vial: 8
Acq On : 22 Mar 2006 3:19 am Operator:
Sample : S6720 PT5 100/200 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Mar 22 21:08 2006 Quant Results File: S03216.RES

Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:06:59 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 2,4-Dichlorophenol	9.20	162	3826246	230.59 ug/ml	91
27) Benzoic Acid	9.44	105	3406602m	203.51 ug/ml	
28) 1,2,4-Trichlorobenzene	9.36	180	1987844	108.59 ug/ml	94
29) Naphthalene	9.51	128	5511726	104.81 ug/ml	100
30) 2,6-Dichlorophenol	9.75	162	3889266	233.99 ug/ml	88
31) 4-Chloroaniline	9.75	127	2499486	111.05 ug/ml	92
32) Hexachlorobutadiene	9.93	225	1241827	108.73 ug/ml	97
33) 4-Chloro-3-methylphenol	10.97	107	3642560	208.65 ug/ml	99
34) 2-Methylnaphthalene	11.17	141	3169664	108.53 ug/ml	99
36) Hexachlorocyclopentadiene	11.71	237	1147247	102.67 ug/ml	99
37) 2,4,6-Trichlorophenol	11.99	196	3008983	236.70 ug/ml	95
38) 2,4,5-Trichlorophenol	12.09	196	2886775	224.89 ug/ml	94
40) 2-Chloronaphthalene	12.37	162	4143764	111.62 ug/ml	98
41) 2-Nitroaniline	12.77	138	1403274	103.45 ug/ml	96
42) 2,6-Dinitrotoluene	13.47	165	1171684	109.54 ug/ml	98
43) Dimethyl Phthalate	13.31	163	4548322	103.93 ug/ml	99
44) Acenaphthylene	13.39	152	5766788	103.68 ug/ml	96
45) 3-Nitroaniline	13.81	138	1170393	104.01 ug/ml	88
46) Acenaphthene	13.85	154	3598107	106.77 ug/ml	98
47) 2,4-dinitrophenol	14.07	184	1779104	206.19 ug/ml	91
48) Dibenzofuran	14.24	168	5390303	106.58 ug/ml	100
49) 4-Nitrophenol	14.35	109	2231666	216.96 ug/ml	92
50) 2,4-Dinitrotoluene	14.44	165	1545914	107.38 ug/ml	96
51) 2,3,4,6-Tetrachlorophenol	14.70	232	2331591	243.34 ug/ml	96
52) Fluorene	15.09	166	4850575	117.76 ug/ml	97
53) Diethyl Phthalate	15.06	149	4780471	99.01 ug/ml	98
54) 4-Chlorophenyl phenyl eth	15.11	204	2268169	119.43 ug/ml	90
55) 4-Nitroaniline	15.41	138	1058744	102.54 ug/ml#	1
56) 4,6-Dinitro-2-methylphenol	15.46	198	2235110	211.85 ug/ml	92
57) n-nitrosodiphenylamine	15.48	169	3018728	117.74 ug/ml#	89
58) Azobenzene	15.50	77	6096409	102.44 ug/ml#	80
59) Biphenyl	12.36	154	5441144	109.19 ug/ml	99
62) 4-bromophenyl phenyl ether	16.29	248	1330327	114.33 ug/ml	99
63) Hexachlorobenzene	16.63	284	1544482	102.95 ug/ml	96
64) Pentachlorophenol	17.11	266	2534461	205.46 ug/ml	96
65) Phenanthrene	17.44	178	5566371	106.01 ug/ml	99
66) Anthracene	17.54	178	5479365	106.60 ug/ml	99
67) Carbazole	17.99	167	4796192	98.00 ug/ml	99
68) Di-n-butyl phthalate	18.98	149	7277887	97.39 ug/ml	99
69) Fluoranthene	20.34	202	5676367	104.25 ug/ml	98
70) Benzidine	20.72	184	1289982	58.70 ug/ml	99

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\032106-D\D46640SI.D
Acq On : 22 Mar 2006 3:19 am
Sample : S6720 PT5 100/200
Misc :
Integration Params: RTEINT.P
Quant Time: Mar 22 21:08 2006

Vial: 8
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: S03216.RES

Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:06:59 2006
Response via : Initial Calibration
DataAcq Meth : ABN

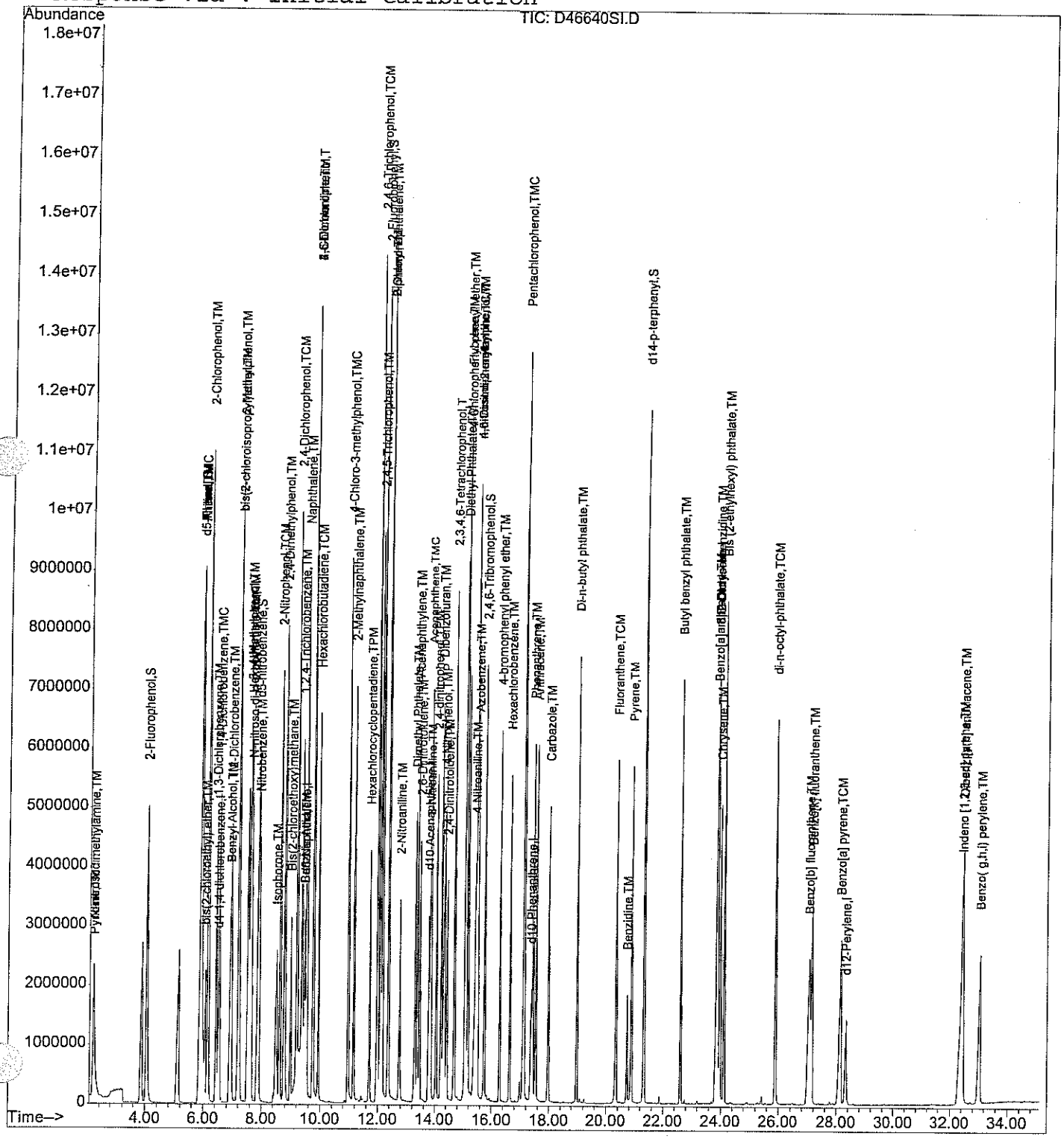
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
72) Pyrene	20.89	202	5735559	98.59 ug/ml	98
74) Butyl benzyl phthalate	22.62	149	3449817	94.89 ug/ml	96
75) Benzo[a]anthracene	23.85	228	5333194	98.37 ug/ml	99
76) Chrysene	23.98	228	4874840	100.03 ug/ml	98
77) 3,3'-Dichlorobenzidine	23.88	252	2353179	107.83 ug/ml	98
78) Bis (2-ethylhexyl) phthala	24.11	149	4567733	96.26 ug/ml	97
80) di-n-octyl-phthalate	25.90	149	7662641	96.52 ug/ml	98
81) Benzo[b] fluoranthene	27.05	252	5927366	111.51 ug/ml	99
82) Benzo[k] fluoranthene	27.16	252	4827709	95.25 ug/ml	99
83) Benzo[a] pyrene	28.16	252	5271293	105.42 ug/ml	99
84) Indeno [1,2,3-cd] pyrene	32.42	276	6955240	144.97 ug/ml	97
85) Dibenz [a,h] anthracene	32.47	278	6213283	131.48 ug/ml	98
86) Benzo(g,h,i) perylene	33.07	276	5038240	113.20 ug/ml	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\032106-D\D46640SI.D Vial: 8
Acq On : 22 Mar 2006 3:19 am Operator:
Sample : S6720 PT5 100/200 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 22 21:08 2006 Quant Results File: S03216.RES

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:06:59 2006
Response via : Initial Calibration



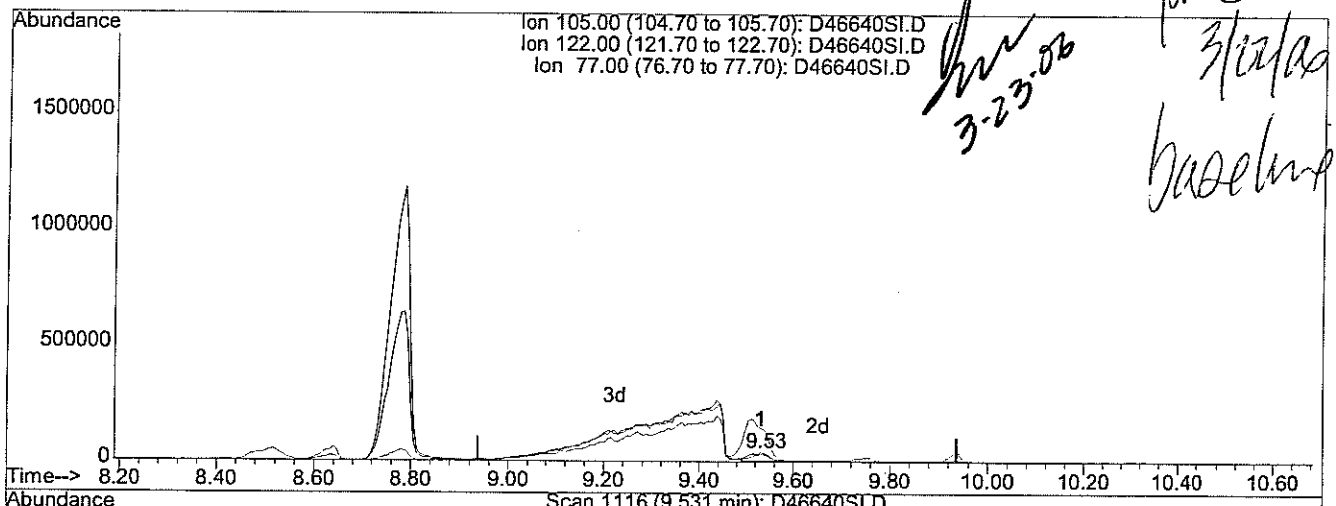
Quantitation Report (Qedit)

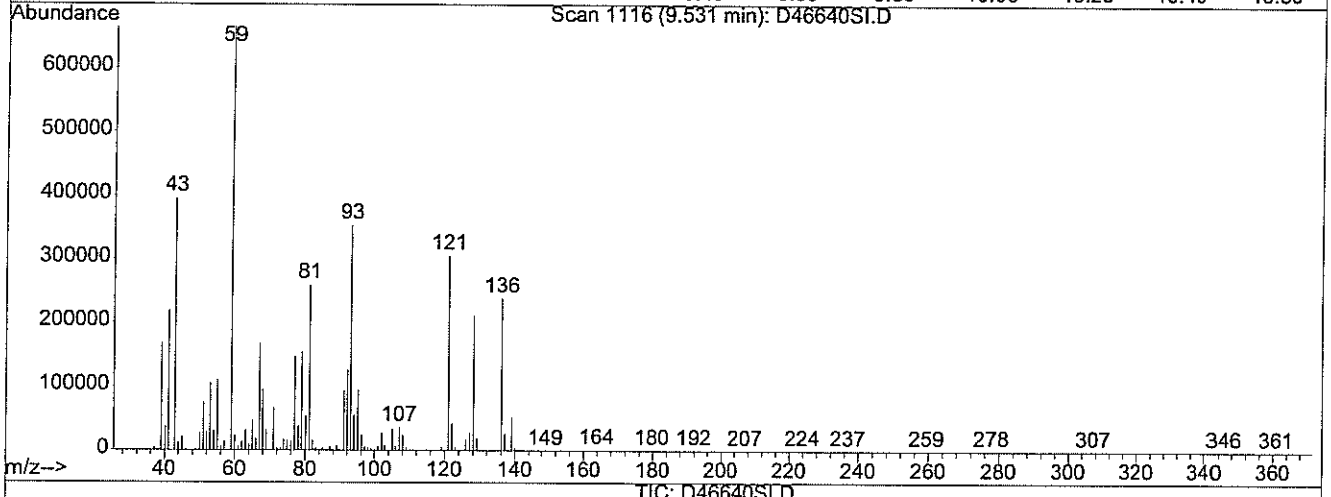
Data File : D:\HPCHEM\1\DATA\032106-D\D46640SI.D Vial: 8
Acq On : 22 Mar 2006 3:19 am Operator:
Sample : S6720 PT5 100/200 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 22 21:07 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:06:59 2006
Response via : Multiple Level Calibration

3-23-06

3/22/06
baseline





TIC: D46640SI.D

(27) Benzoic Acid (TM)

9.53min 10.26ug/ml

response 84489

Ion	Exp%	Act%
105.00	100	100
122.00	74.30	133.21#
77.00	100.00	707.68#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\032106-D\D46640SI.D
Acq On : 22 Mar 2006 3:19 am
Sample : S6720 PT5 100/200
Misc :
MS Integration Params: RTEINT.P
Quant Time: Mar 22 21:08 2006

Vial: 8
Operator:
Inst : D Instrum
Multiplr: 1.00

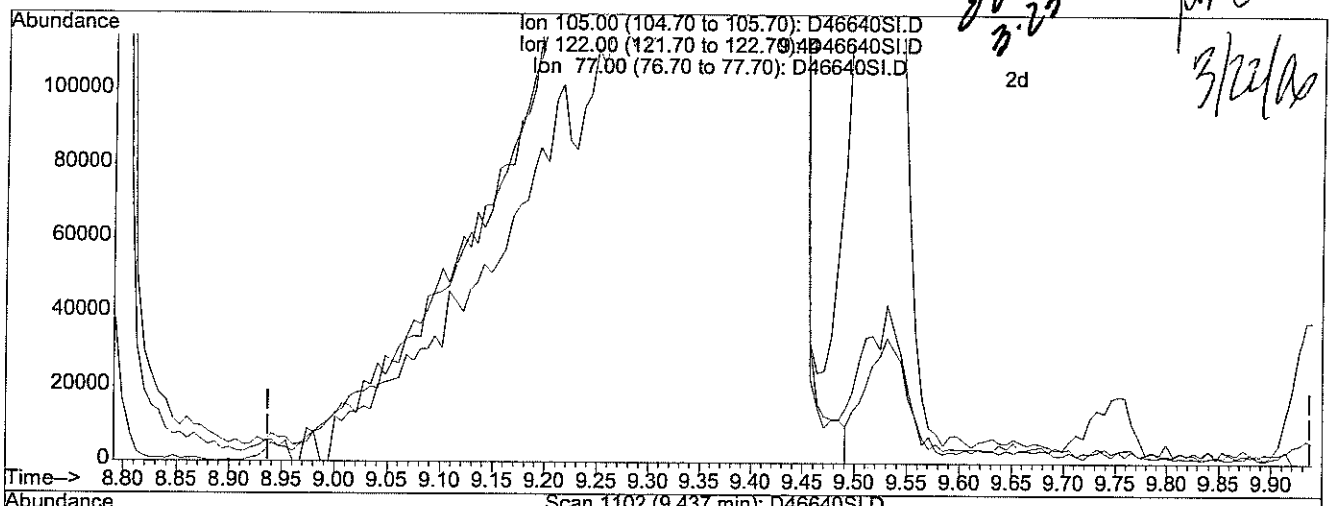
Quant Results File: temp.res

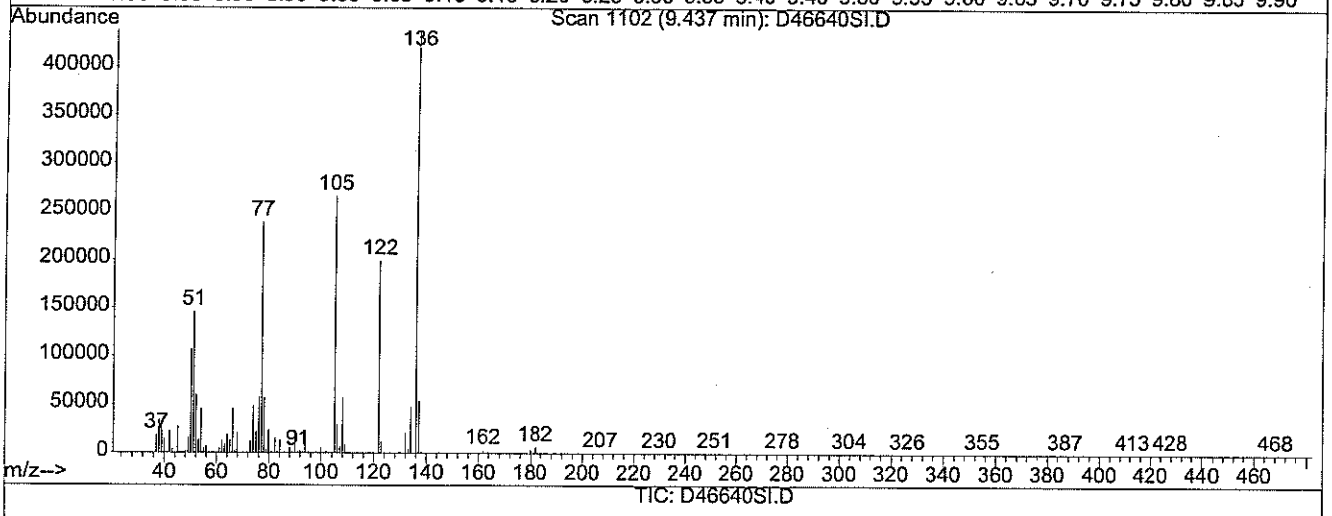
Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:06:59 2006
Response via : Multiple Level Calibration

3.23.06

2d

3/22/06





TIC: D46640SI.D

(27) Benzoic Acid (TM)

9.44min 203.51ug/ml m

response 3406602

Ion	Exp%	Act%
105.00	100	100
122.00	74.30	3.30#
77.00	100.00	17.55#
0.00	0.00	0.00

D46640SI.D S03216.M Wed Mar 22 21:08:41 2006

ABN CC

Data File Name D46641.D
Date Acquired 3/22/2006 3:52
Sample Name S6703 ABN CC 20/40

Name	ug/ml Amount	ug/ml Expected	% RECOVERY	70%-130%
Pyridine	20.17	20	101%	OK
N-nitrosodimethylamine	20.67	20	103%	OK
Phenol	38.79	40	97%	OK
2-Chlorophenol	39.42	40	99%	OK
bis(2-chloroethyl) ether	20.96	20	105%	OK
1,3-Dichlorobenzene	21.07	20	105%	OK
1,4-Dichlorobenzene	20.49	20	102%	OK
1,2-Dichlorobenzene	20.82	20	104%	OK
2-Methylphenol	39.43	40	99%	OK
bis(2-chloroisopropyl)ether	20.03	20	100%	OK
3+4-Methylphenol	42.89	40	107%	OK
Hexachloroethane	20.51	20	103%	OK
N-nitroso-di-n-propylamine	21.31	20	107%	OK
Nitrobenzene	21.15	20	106%	OK
Isophorone	23.01	20	115%	OK
2-Nitrophenol	40.25	40	101%	OK
2,4-Dimethylphenol	36.61	40	92%	OK
Bis(2-chloroethoxy)methane	19.30	20	96%	OK
2,4-Dichlorophenol	38.88	40	97%	OK
Benzoic Acid	37.65	40	94%	OK
1,2,4-Trichlorobenzene	20.18	20	101%	OK
Naphthalene	20.01	20	100%	OK
2,6-Dichlorophenol	39.12	40	98%	OK
Hexachlorobutadiene	20.27	20	101%	OK
4-Chloro-3-methylphenol	39.33	40	98%	OK
Hexachlorocyclopentadiene	24.53	20	123%	OK
2,4,6-Trichlorophenol	37.59	40	94%	OK
2,4,5-Trichlorophenol	37.95	40	95%	OK
2-Chloronaphthalene	19.25	20	96%	OK
2,6-Dinitrotoluene	19.42	20	97%	OK
Dimethyl Phthalate	19.69	20	98%	OK
Acenaphthylene	20.52	20	103%	OK
Acenaphthene	20.23	20	101%	OK
2,4-dinitrophenol	39.56	40	99%	OK
4-Nitrophenol	40.34	40	101%	OK
2,4-Dinitrotoluene	20.80	20	104%	OK
2,3,4,6-Tetrachlorophenol	44.76	40	112%	OK
Fluorene	20.12	20	101%	OK
Diethyl Phthalate	20.19	20	101%	OK
4-Chlorophenyl phenyl ether	19.84	20	99%	OK
4,6-Dinitro-2-methylphenol	41.63	40	104%	OK
n-nitrosodiphenylamine	20.29	20	101%	OK
Azobenzene	18.67	20	93%	OK
4-bromophenyl phenyl ether	18.58	20	93%	OK
Hexachlorobenzene	18.02	20	90%	OK
Pentachlorophenol	33.95	40	85%	OK
Phenanthrene	19.70	20	99%	OK
Anthracene	20.12	20	101%	OK
Carbazole	19.91	20	100%	OK
Di-n-butyl phthalate	19.26	20	96%	OK
Fluoranthene	19.29	20	96%	OK
Pyrene	20.52	20	103%	OK
Butyl benzyl phthalate	19.81	20	99%	OK
Benzo[a]anthracene	21.04	20	105%	OK
Chrysene	20.83	20	104%	OK
Bis (2-ethylhexyl) phthalate	19.24	20	96%	OK
di-n-octyl-phthalate	18.71	20	94%	OK
Benzo[b] fluoranthene	20.46	20	102%	OK
Benzo[k] fluoranthene	21.43	20	107%	OK
Benzo[a] pyrene	20.95	20	105%	OK
Indeno [1,2,3-cd] pyrene	19.53	20	98%	OK
Dibenz [a,h] anthracene	19.52	20	98%	OK
Benzo(g,h,i) perylene	18.26	20	91%	OK
2-Fluorophenol	41.78	40	104%	OK
d5-Phenol	32.08	40	80%	OK
d5-nitrobenzene	40.60	40	101%	OK
2-Fluorobiphenyl	41.03	40	103%	OK
2,4,6-Tribromophenol	38.54	40	96%	OK
d14-p-terphenyl	37.08	40	93%	OK

3/22/06

3-23-06

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\032106-D\D46641.D Vial: 9
Acq On : 22 Mar 2006 3:52 am Operator:
Sample : S6703 ABN CC 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Mar 22 21:27 2006 Quant Results File: S03216.RES

Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:25:41 2006
Response via : Initial Calibration
DataAcq Meth : ABN

3-23-06

3/24/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	6.50	152	590527	40.00	ug/ml	0.00
19) d8-Naphthalene	9.43	136	2103927	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.74	164	1257604	40.00	ug/ml	0.00
61) d10-Phenanthrene	17.34	188	2231218	40.00	ug/ml	0.00
71) d12-Chrysene	23.87	240	1900758	40.00	ug/ml	0.00
79) d12-Perylene	28.30	264	1743752	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.03	112	687156	41.78	ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 55.71%			
5) d5-Phenol	5.84	99	625785	32.08	ug/ml	0.00
Spiked Amount 75.000	Range 22 - 110		Recovery = 42.77%			
20) d5-nitrobenzene	7.82	82	1088477	40.60	ug/ml	0.00
Spiked Amount 50.000	Range 45 - 107		Recovery = 81.20%			
39) 2-Fluorobiphenyl	12.12	172	1753590	41.03	ug/ml	0.00
Spiked Amount 50.000	Range 44 - 102		Recovery = 82.06%			
60) 2,4,6-Tribromophenol	15.71	330	306637	38.54	ug/ml	0.00
Spiked Amount 75.000	Range 63 - 127		Recovery = 51.39%#			
73) d14-p-terphenyl	21.30	244	1653822	37.08	ug/ml	0.00
Spiked Amount 50.000	Range 33 - 132		Recovery = 74.16%			
Target Compounds						Qvalue
2) Pyridine	2.20	79	271824	20.17	ug/ml	91
3) N-nitrosodimethylamine	2.17	42	385923	20.67	ug/ml	98
7) Phenol	5.87	94	855073	38.79	ug/ml#	75
8) 2-Chlorophenol	6.13	128	790615	39.42	ug/ml	98
9) bis(2-chloroethyl) ether	6.01	93	348149	20.96	ug/ml	99
10) 1,3-Dichlorobenzene	6.42	146	485670	21.07	ug/ml	96
11) 1,4-Dichlorobenzene	6.53	146	497541	20.49	ug/ml	99
12) 1,2-Dichlorobenzene	6.94	146	471272	20.82	ug/ml	97
14) 2-Methylphenol	7.16	108	620663	39.43	ug/ml	99
15) bis(2-chloroisopropyl)ethe	7.20	45	635458	20.03	ug/ml	97
16) 3+4-Methylphenol	7.51	108	677121	42.89	ug/ml	95
17) Hexachloroethane	7.61	117	208859	20.51	ug/ml	99
18) N-nitroso-di-n-propylamine	7.54	70	352100	21.31	ug/ml	94
21) Nitrobenzene	7.86	123	214418	21.15	ug/ml	97
22) Isophorone	8.40	82	932429	23.01	ug/ml	100
23) 2-Nitrophenol	8.60	139	485865	40.25	ug/ml	99
24) 2,4-Dimethylphenol	8.74	107	767900	36.61	ug/ml	99
25) Bis(2-chloroethoxy)methane	8.95	93	400745	19.30	ug/ml	97
26) 2,4-Dichlorophenol	9.16	162	690604	38.88	ug/ml	95
27) Benzoic Acid	9.15	105	569798m	37.65	ug/ml	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\032106-D\D46641.D Vial: 9
Acq On : 22 Mar 2006 3:52 am Operator:
Sample : S6703 ABN CC 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Mar 22 21:27 2006 Quant Results File: S03216.RES

Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:25:41 2006
Response via : Initial Calibration
DataAcq Meth : ABN

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
28)	1,2,4-Trichlorobenzene	9.34	180	387934	20.18 ug/ml	99
29)	Naphthalene	9.48	128	1067733	20.01 ug/ml	99
30)	2,6-Dichlorophenol	9.71	162	687438	39.12 ug/ml	85
32)	Hexachlorobutadiene	9.92	225	243819	20.27 ug/ml	99
33)	4-Chloro-3-methylphenol	10.94	107	691374	39.33 ug/ml	97
36)	Hexachlorocyclopentadiene	11.70	237	254669	24.53 ug/ml	99
37)	2,4,6-Trichlorophenol	11.95	196	502247	37.59 ug/ml	98
38)	2,4,5-Trichlorophenol	12.05	196	506799	37.95 ug/ml	92
40)	2-Chloronaphthalene	12.34	162	718835	19.25 ug/ml	97
42)	2,6-Dinitrotoluene	13.42	165	218636	19.42 ug/ml	95
43)	Dimethyl Phthalate	13.26	163	895752	19.69 ug/ml	99
44)	Acenaphthylene	13.36	152	1152309	20.52 ug/ml	99
46)	Acenaphthene	13.82	154	684795	20.23 ug/ml	99
47)	2,4-dinitrophenol	14.00	184	299724	39.56 ug/ml	94
49)	4-Nitrophenol	14.27	109	409347	40.34 ug/ml	96
50)	2,4-Dinitrotoluene	14.37	165	309394	20.80 ug/ml	99
51)	2,3,4,6-Tetrachlorophenol	14.66	232	445942	44.76 ug/ml	96
52)	Fluorene	15.05	166	853067	20.12 ug/ml	100
53)	Diethyl Phthalate	14.99	149	965428	20.19 ug/ml	99
54)	4-Chlorophenyl phenyl eth	15.08	204	392650	19.84 ug/ml	98
56)	4,6-Dinitro-2-methylphenol	15.36	198	412379	41.63 ug/ml	94
57)	n-nitrosodiphenylamine	15.41	169	548769	20.29 ug/ml	99
58)	Azobenzene	15.46	77	1029197	18.67 ug/ml	99
62)	4-bromophenyl phenyl ether	16.26	248	243215	18.58 ug/ml	100
63)	Hexachlorobenzene	16.60	284	281174	18.02 ug/ml	98
64)	Pentachlorophenol	17.07	266	353506	33.95 ug/ml	97
65)	Phenanthrene	17.39	178	1157496	19.70 ug/ml	99
66)	Anthracene	17.50	178	1168861	20.12 ug/ml	99
67)	Carbazole	17.95	167	1046898	19.91 ug/ml	99
68)	Di-n-butyl phthalate	18.96	149	1550465	19.26 ug/ml	100
69)	Fluoranthene	20.31	202	1156482	19.29 ug/ml	99
70)	Benzidine	20.69	184	1175	Below Cal #	84
72)	Pyrene	20.85	202	1200945	20.52 ug/ml	99
74)	Butyl benzyl phthalate	22.59	149	706895	19.81 ug/ml	97
75)	Benzo[a]anthracene	23.81	228	1091141	21.04 ug/ml	99
76)	Chrysene	23.93	228	996078	20.83 ug/ml	99
78)	Bis (2-ethylhexyl) phthala	24.09	149	879035	19.24 ug/ml	98
80)	di-n-octyl-phthalate	25.85	149	1429914	18.71 ug/ml	98
81)	Benzo[b] fluoranthene	26.97	252	1027693	20.46 ug/ml	98
82)	Benzo[k] fluoranthene	27.06	252	1025535	21.43 ug/ml	99
83)	Benzo[a] pyrene	28.06	252	983711	20.95 ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\032106-D\D46641.D Vial: 9
Acq On : 22 Mar 2006 3:52 am Operator:
Sample : S6703 ABN CC 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Mar 22 21:27 2006 Quant Results File: S03216.RES

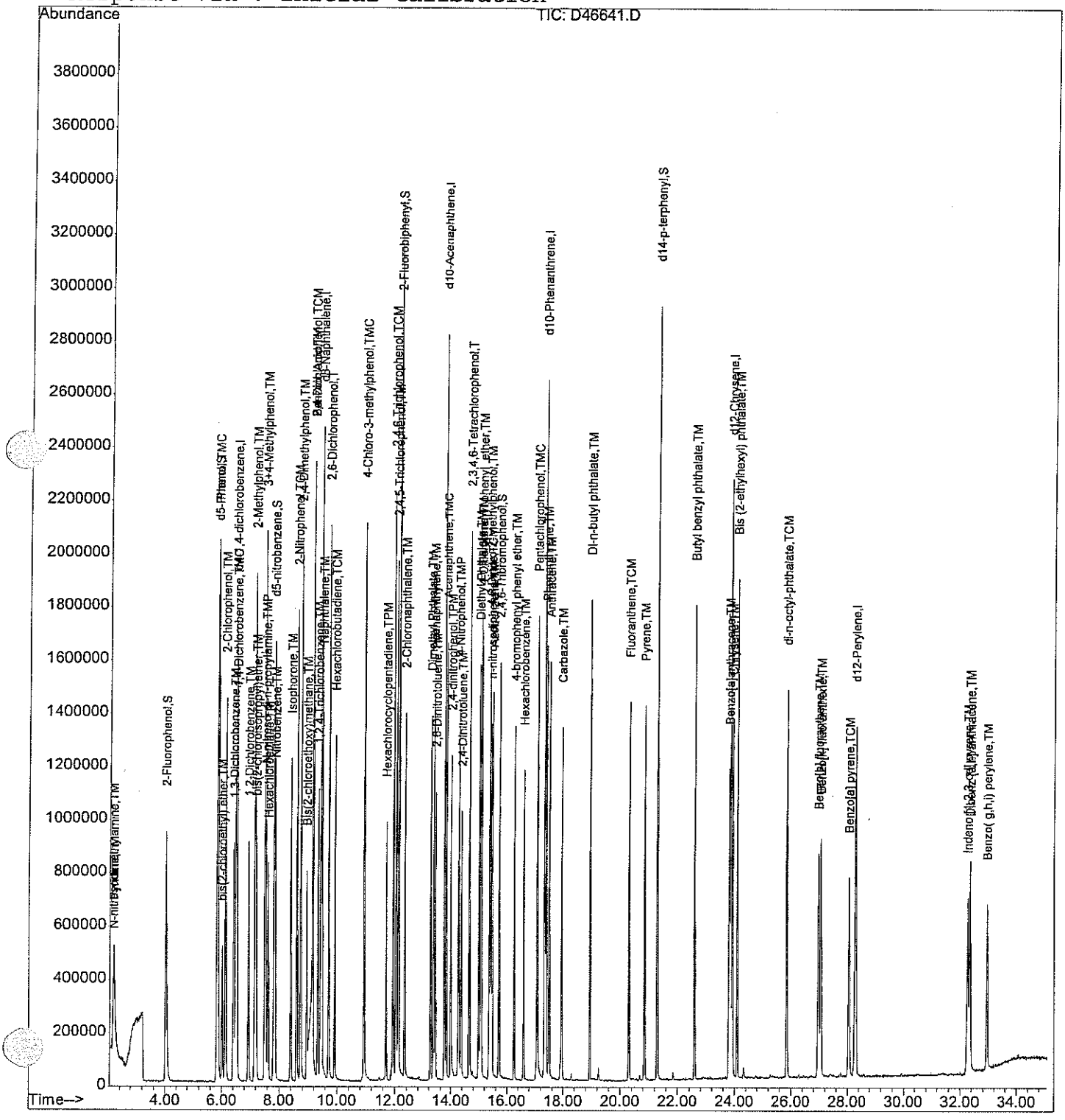
Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:25:41 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
84) Indeno [1,2,3-cd] pyrene	32.28	276	882125	19.53	ug/ml	99
85) Dibenz [a,h] anthracene	32.36	278	951099	19.52	ug/ml	99
86) Benzo(g,h,i) perylene	32.96	276	804947	18.26	ug/ml	99

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\032106-D\D46641.D Vial: 9
Acq On : 22 Mar 2006 3:52 am Operator:
Sample : S6703 ABN CC 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 22 21:27 2006 Quant Results File: S03216.RES

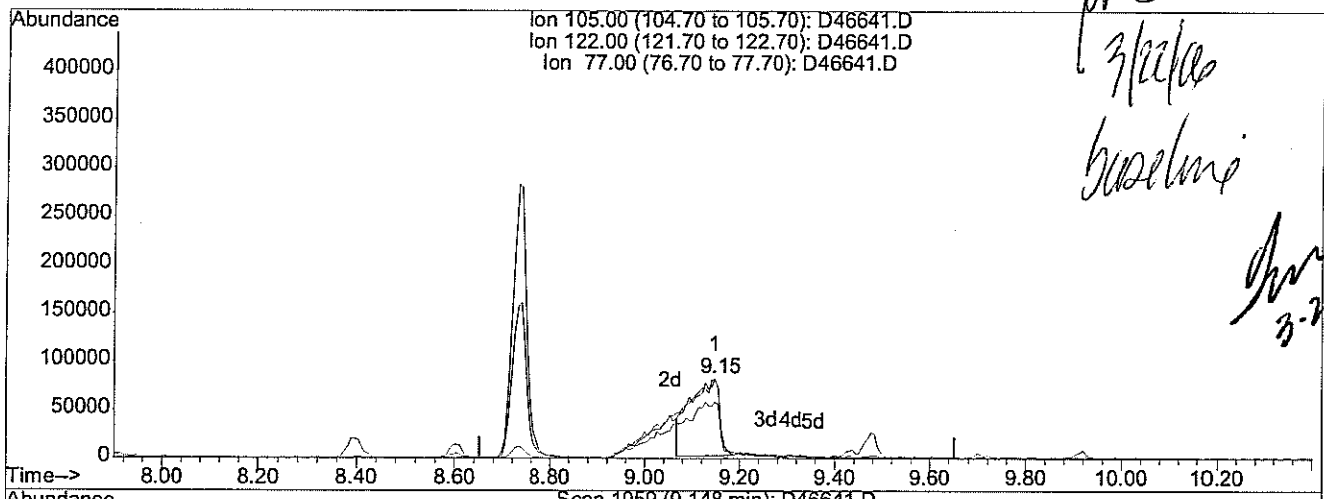
Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:25:41 2006
Response via : Initial Calibration

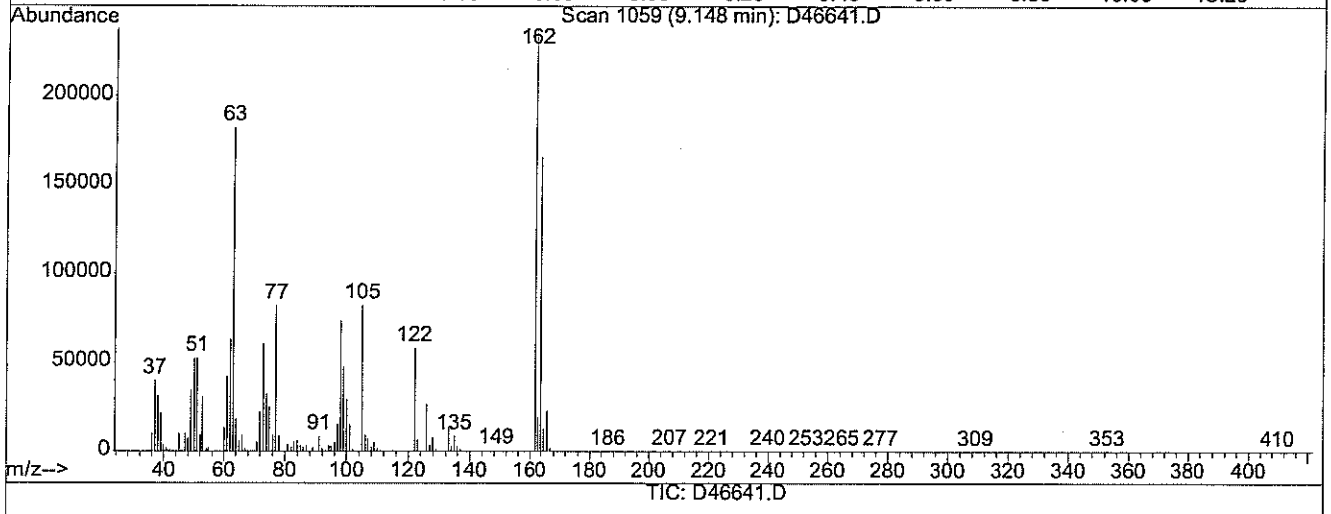


Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\032106-D\D46641.D Vial: 9
Acq On : 22 Mar 2006 3:52 am Operator:
Sample : S6703 ABN CC 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 22 21:26 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:25:41 2006
Response via : Multiple Level Calibration





TIC: D46641.D

(27) Benzoic Acid (TM)

9.15min 24.21ug/ml

response 345838

Ion	Exp%	Act%
105.00	100	100
122.00	74.30	97.39#
77.00	100.00	166.65#
0.00	0.00	0.00

D46641.D S03216.M Wed Mar 22 21:27:49 2006

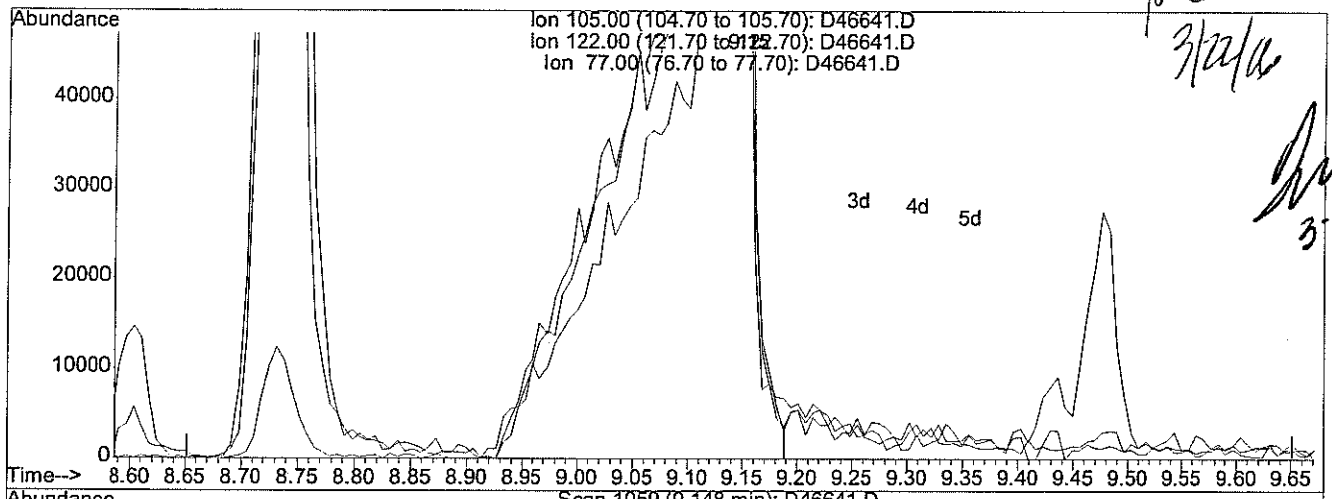
Quantitation Report (Qedit)

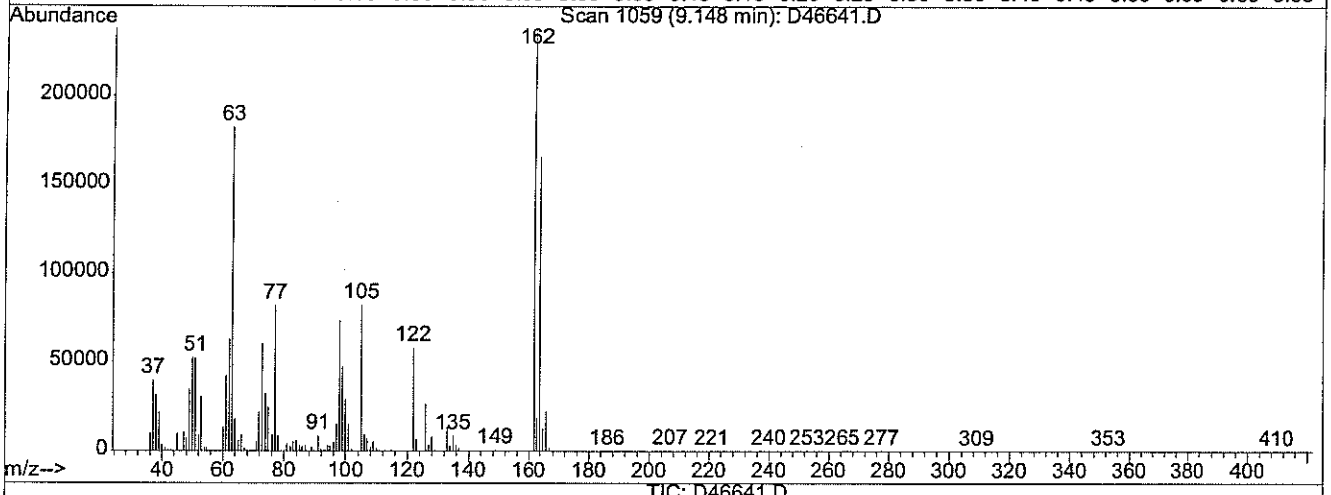
Data File : D:\HPCHEM\1\DATA\032106-D\D46641.D Vial: 9
Acq On : 22 Mar 2006 3:52 am Operator:
Sample : S6703 ABN CC 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 22 21:27 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Wed Mar 22 21:25:41 2006
Response via : Multiple Level Calibration

3/22/06

3-23-06





TIC: D46641.D

(27) Benzoic Acid (TM)

9.15min 37.65ug/ml m

response 569798

Ion	Exp%	Act%
105.00	100	100
122.00	74.30	59.11#
77.00	100.00	101.15
0.00	0.00	0.00

D46641.D S03216.M Wed Mar 22 21:27:55 2006

Evaluate Continuing Calibration Report

Data File : D:\HPCHEM\1\DATA\032306-D\D46676SC.D Vial: 2
Acq On : 23 Mar 2006 3:22 pm Operator:
Sample : S6723 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Thu Mar 23 15:31:04 2006
Response via : Multiple Level Calibration

3.24.06
3/23/06

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	d4-1,4-dichlorobenzene	1.000	1.000	0.0	125	0.00
2	TM	Pyridine	0.913	0.748	18.1	107	0.00
3	TM	N-nitrosodimethylamine	1.265	1.263	0.2	126	0.00
4	S	2-Fluorophenol	1.114	1.047	6.0	117	0.00
5	S	d5-Phenol	1.321	1.184	10.4	111	0.00
6	TM	Aniline	1.712	1.504	12.1	111	0.00
7	TMC	Phenol	1.493	1.363	8.7	112	0.00
8	TM	2-Chlorophenol	1.359	1.303	4.1	120	0.00
9	TM	bis(2-chloroethyl) ether	1.125	1.032	8.3	110	0.00
10	TM	1,3-Dichlorobenzene	1.562	1.537	1.6	126	0.02
11	TMC	1,4-Dichlorobenzene	1.645	1.601	2.7	122	0.02
12	TM	1,2-Dichlorobenzene	1.533	1.495	2.5	124	0.00
13	TM	Benzyl Alcohol	0.733	0.723	1.4	118	0.00
[illegible]	TM	2-Methylphenol	1.066	0.991	7.0	117	0.02
[illegible]	TM	bis(2-chloroisopropyl)ether	2.149	1.893	11.9	108	0.02
16	TM	3+4-Methylphenol	1.069	1.058	1.0	118	0.02
17	TM	Hexachloroethane	0.690	0.678	1.7	122	0.00
18	TMP	N-nitroso-di-n-propylamine	1.119	0.978	12.6	108	0.02
19	I	d8-Naphthalene	1.000	1.000	0.0	122	0.02
20	S	d5-nitrobenzene	0.510	0.503	1.4	120	0.02
21	TM	Nitrobenzene	0.193	0.191	1.0	115	0.02
22	TM	Isophorone	0.770	0.729	5.3	114	0.02
23	TCM	2-Nitrophenol	0.230	0.228	0.9	122	0.02
24	TM	2,4-Dimethylphenol	0.399	0.378	5.3	117	0.02
25	TM	Bis(2-chloroethoxy)methane	0.395	0.371	6.1	111	0.02
26	TCM	2,4-Dichlorophenol	0.338	0.341	-0.9	127	0.02
27	TM	Benzoic Acid	0.263	0.279	-6.1	122	0.03
28	TM	1,2,4-Trichlorobenzene	0.366	0.370	-1.1	122	0.02
29	TM	Naphthalene	1.015	0.984	3.1	121	0.00
30	T	2,6-Dichlorophenol	0.334	0.338	-1.2	125	0.02
31	TM	4-Chloroaniline	0.447	0.425	4.9	123	0.02
32	TCM	Hexachlorobutadiene	0.229	0.249	-8.7	136	0.02
33	TMC	4-Chloro-3-methylphenol	0.334	0.325	2.7	114	0.00
34	TM	2-Methylnaphthalene	0.576	0.565	1.9	121	0.02
35	I	d10-Acenaphthene	1.000	1.000	0.0	128	0.00
36	TPM	Hexachlorocyclopentadiene	0.305	0.292	4.3	116	0.02
[illegible]	TCM	2,4,6-Trichlorophenol	0.425	0.421	0.9	128	0.00
[illegible]	TM	2,4,5-Trichlorophenol	0.425	0.406	4.5	122	0.02
39	S	2-Fluorobiphenyl	1.359	1.340	1.4	126	0.02

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\HPCHEM\1\DATA\032306-D\D46676SC.D Vial: 2
Acq On : 23 Mar 2006 3:22 pm Operator:
Sample : S6723 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Thu Mar 23 15:31:04 2006
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	TM	2-Chloronaphthalene	1.188	1.136	4.4	123	0.02
41	TM	2-Nitroaniline	0.436	0.418	4.1	120	0.00
42	TM	2,6-Dinitrotoluene	0.358	0.354	1.1	128	0.02
43	TM	Dimethyl Phthalate	1.447	1.379	4.7	121	0.00
44	TM	Acenaphthylene	1.786	1.719	3.8	122	0.02
45	TM	3-Nitroaniline	0.354	0.358	-1.1	126	0.02
46	TMC	Acenaphthene	1.077	1.031	4.3	122	0.00
47	TPM	2,4-dinitrophenol	0.216	0.230	-6.5	127	0.02
48	TM	Dibenzofuran	1.637	1.616	1.3	125	0.00
49	TMP	4-Nitrophenol	0.323	0.313	3.1	125	0.02
50	TM	2,4-Dinitrotoluene	0.473	0.470	0.6	124	0.02
51	T	2,3,4,6-Tetrachlorophenol	0.317	0.318	-0.3	127	0.00
52	TM	Fluorene	1.348	1.315	2.4	127	0.00
[illegible]	TM	Diethyl Phthalate	1.521	1.454	4.4	121	0.00
54	TM	4-Chlorophenyl phenyl ethe	0.629	0.623	1.0	131	0.00
55	TM	4-Nitroaniline	0.332	0.323	2.7	120	0.00
56	TM	4,6-Dinitro-2-methylphenol	0.303	0.316	-4.3	129	0.02
57	TCM	n-nitrosodiphenylamine	0.860	0.837	2.7	127	0.02
58	TM	Azobenzene	1.753	1.522	13.2	113	0.00
59	TM	Biphenyl	1.593	1.526	4.2	123	0.02
60	S	2,4,6-Tribromophenol	0.246	0.267	-8.5	133	0.02
61	I	d10-Phenanthrene	1.000	1.000	0.0	127	0.02
62	TM	4-bromophenyl phenyl ether	0.235	0.245	-4.3	133	0.00
63	TM	Hexachlorobenzene	0.280	0.289	-3.2	134	0.02
64	TMC	Pentachlorophenol	0.194	0.177	8.8	122	0.02
65	TM	Phenanthrene	1.053	1.021	3.0	122	0.00
66	TM	Anthracene	1.042	1.019	2.2	125	0.00
67	TM	Carbazole	0.943	0.902	4.3	120	0.00
68	TM	Di-n-butyl phthalate	1.443	1.380	4.4	121	0.00
69	TCM	Fluoranthene	1.075	1.034	3.8	122	0.02
70	TM	Benzidine	0.353	0.206	41.6#	74	0.00
71	I	d12-Chrysene	1.000	1.000	0.0	126	0.00
72	TM	Pyrene	1.232	1.228	0.3	125	0.00
73	S	d14-p-terphenyl	0.939	0.939	0.0	125	0.00
74	TM	Butyl benzyl phthalate	0.751	0.725	3.5	120	0.00
75	TM	Benzo[a]anthracene	1.091	1.112	-1.9	128	0.00
76	TM	Chrysene	1.006	1.021	-1.5	127	0.00
[illegible]	TM	3,3'-Dichlorobenzidine	0.444	0.457	-2.9	136	0.00
78	TM	Bis (2-ethylhexyl) phthalat	0.961	0.925	3.7	124	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\HPCHEM\1\DATA\032306-D\D46676SC.D Vial: 2
Acq On : 23 Mar 2006 3:22 pm Operator:
Sample : S6723 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Thu Mar 23 15:31:04 2006
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
√79	I	d12-Perylene	1.000	1.000	0.0	140	0.00
√80	TCM	di-n-octyl-phthalate	1.753	1.560	11.0	121	0.00
81	TM	Benzo[b] fluoranthene	1.152	1.096	4.9	133	0.00
√82	TM	Benzo[k] fluoranthene	1.098	1.064	3.1	134	0.00
√83	TCM	Benzo[a] pyrene	1.077	1.029	4.5	135	0.00
84	TM	Indeno [1,2,3-cd] pyrene	1.126	0.964	14.4	131	0.02
85	TM	Dibenz [a,h] anthracene	1.118	0.959	14.2	130	0.00
86	TM	Benzo(g,h,i) perylene	1.011	0.869	14.0	134	0.00

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\032306-D\D46676SC.D Vial: 2
Acq On : 23 Mar 2006 3:22 pm Operator:
Sample : S6723 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Mar 23 15:31 2006 Quant Results File: S03216.RES

Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Thu Mar 23 15:31:04 2006
Response via : Initial Calibration
DataAcq Meth : ABN

3-24-06

3/23/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	6.46	152	714669	40.00	ug/ml	0.00
19) d8-Naphthalene	9.41	136	2496065	40.00	ug/ml	0.02
35) d10-Acenaphthene	13.72	164	1537697	40.00	ug/ml	0.00
61) d10-Phenanthrene	17.32	188	2571172	40.00	ug/ml	0.02
71) d12-Chrysene	23.84	240	2225492	40.00	ug/ml	0.00
79) d12-Perylene	28.26	264	2267632	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.00	112	748549	37.61	ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 50.15%			
5) d5-Phenol	5.81	99	845947	35.83	ug/ml	0.00
Spiked Amount 75.000	Range 22 - 110		Recovery = 47.77%			
20) d5-nitrobenzene	7.80	82	1254831	39.45	ug/ml	0.02
Spiked Amount 50.000	Range 45 - 107		Recovery = 78.90%			
39) 2-Fluorobiphenyl	12.10	172	2061031	39.44	ug/ml	0.02
Spiked Amount 50.000	Range 44 - 102		Recovery = 78.88%			
60) 2,4,6-Tribromophenol	15.69	330	410395	41.98	ug/ml	0.02
Spiked Amount 75.000	Range 63 - 127		Recovery = 55.97%#			
73) d14-p-terphenyl	21.27	244	2090611	40.03	ug/ml	0.00
Spiked Amount 50.000	Range 33 - 132		Recovery = 80.06%			
Target Compounds						Qvalue
2) Pyridine	2.17	79	267440	16.40	ug/ml	83
3) N-nitrosodimethylamine	2.13	42	451142	19.97	ug/ml	90
6) Aniline	5.88	93	537400	17.57	ug/ml#	1
7) Phenol	5.84	94	974405	36.52	ug/ml	97
8) 2-Chlorophenol	6.09	128	931329	38.37	ug/ml	95
9) bis(2-chloroethyl) ether	5.99	93	368591	18.34	ug/ml	99
10) 1,3-Dichlorobenzene	6.39	146	549124	19.68	ug/ml	96
11) 1,4-Dichlorobenzene	6.50	146	572004	19.47	ug/ml	97
12) 1,2-Dichlorobenzene	6.91	146	534182	19.50	ug/ml	97
13) Benzyl Alcohol	6.84	108	258516	19.75	ug/ml	99
14) 2-Methylphenol	7.14	108	708389	37.18	ug/ml	98
15) bis(2-chloroisopropyl)ethe	7.17	45	676301	17.61	ug/ml	92
16) 3+4-Methylphenol	7.49	108	756069	39.57	ug/ml	99
17) Hexachloroethane	7.58	117	242107	19.64	ug/ml	100
18) N-nitroso-di-n-propylamine	7.51	70	349626	17.49	ug/ml#	97
21) Nitrobenzene	7.83	123	238326	19.81	ug/ml	98
22) Isophorone	8.38	82	910425	18.94	ug/ml	99
23) 2-Nitrophenol	8.58	139	570157	39.81	ug/ml	91
24) 2,4-Dimethylphenol	8.71	107	944492	37.96	ug/ml	97
25) Bis(2-chloroethoxy)methane	8.93	93	463358	18.81	ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\032306-D\D46676SC.D Vial: 2
Acq On : 23 Mar 2006 3:22 pm Operator:
Sample : S6723 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Mar 23 15:31 2006 Quant Results File: S03216.RES

Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Thu Mar 23 15:31:04 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 2,4-Dichlorophenol	9.13	162	850876	40.38 ug/ml	90
27) Benzoic Acid	9.14	105	697413	38.73 ug/ml#	81
28) 1,2,4-Trichlorobenzene	9.32	180	461541	20.23 ug/ml	94
29) Naphthalene	9.45	128	1228598	19.41 ug/ml	99
30) 2,6-Dichlorophenol	9.69	162	843325	40.45 ug/ml	89
31) 4-Chloroaniline	9.68	127	530998	19.02 ug/ml	95
32) Hexachlorobutadiene	9.89	225	310516	21.76 ug/ml	99
33) 4-Chloro-3-methylphenol	10.91	107	812068	38.94 ug/ml	98
34) 2-Methylnaphthalene	11.12	141	705699	19.62 ug/ml	99
36) Hexachlorocyclopentadiene	11.68	237	224557	18.12 ug/ml	99
37) 2,4,6-Trichlorophenol	11.92	196	647420	39.63 ug/ml	96
38) 2,4,5-Trichlorophenol	12.02	196	624886	38.26 ug/ml	92
40) 2-Chloronaphthalene	12.31	162	873682	19.14 ug/ml	98
41) 2-Nitroaniline	12.70	138	321339	19.15 ug/ml	96
42) 2,6-Dinitrotoluene	13.40	165	272385	19.79 ug/ml	93
43) Dimethyl Phthalate	13.23	163	1059915	19.05 ug/ml	99
44) Acenaphthylene	13.34	152	1321281	19.25 ug/ml	98
45) 3-Nitroaniline	13.73	138	275015	20.22 ug/ml	90
46) Acenaphthene	13.79	154	792763	19.15 ug/ml	98
47) 2,4-dinitrophenol	13.99	184	353515	38.31 ug/ml	92
48) Dibenzofuran	14.18	168	1242196	19.74 ug/ml	96
49) 4-Nitrophenol	14.25	109	480542	38.73 ug/ml	91
50) 2,4-Dinitrotoluene	14.35	165	361725	19.89 ug/ml	98
51) 2,3,4,6-Tetrachlorophenol	14.63	232	488473	40.10 ug/ml	96
52) Fluorene	15.03	166	1010976	19.50 ug/ml	98
53) Diethyl Phthalate	14.97	149	1118123	19.12 ug/ml	97
54) 4-Chlorophenyl phenyl eth	15.05	204	478734	19.79 ug/ml	95
55) 4-Nitroaniline	15.26	138	248359	19.44 ug/ml#	1
56) 4,6-Dinitro-2-methylphenol	15.35	198	486190	40.23 ug/ml	92
57) n-nitrosodiphenylamine	15.39	169	643193	19.45 ug/ml	99
58) Azobenzene	15.44	77	1170364	17.36 ug/ml	98
59) Biphenyl	12.30	154	1172948	19.16 ug/ml	98
62) 4-bromophenyl phenyl ether	16.23	248	315610	20.92 ug/ml	99
63) Hexachlorobenzene	16.58	284	371248	20.65 ug/ml	95
64) Pentachlorophenol	17.05	266	455903	37.35 ug/ml	97
65) Phenanthrene	17.36	178	1312310	19.38 ug/ml	99
66) Anthracene	17.47	178	1310456	19.57 ug/ml	100
67) Carbazole	17.92	167	1160046	19.14 ug/ml	100
68) Di-n-butyl phthalate	18.93	149	1774632	19.13 ug/ml	99
69) Fluoranthene	20.28	202	1328884	19.24 ug/ml	99
70) Benzidine	20.67	184	265212	10.97 ug/ml#	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\032306-D\D46676SC.D Vial: 2
Acq On : 23 Mar 2006 3:22 pm Operator:
Sample : S6723 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Mar 23 15:31 2006 Quant Results File: S03216.RES

Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Thu Mar 23 15:31:04 2006
Response via : Initial Calibration
DataAcq Meth : ABN

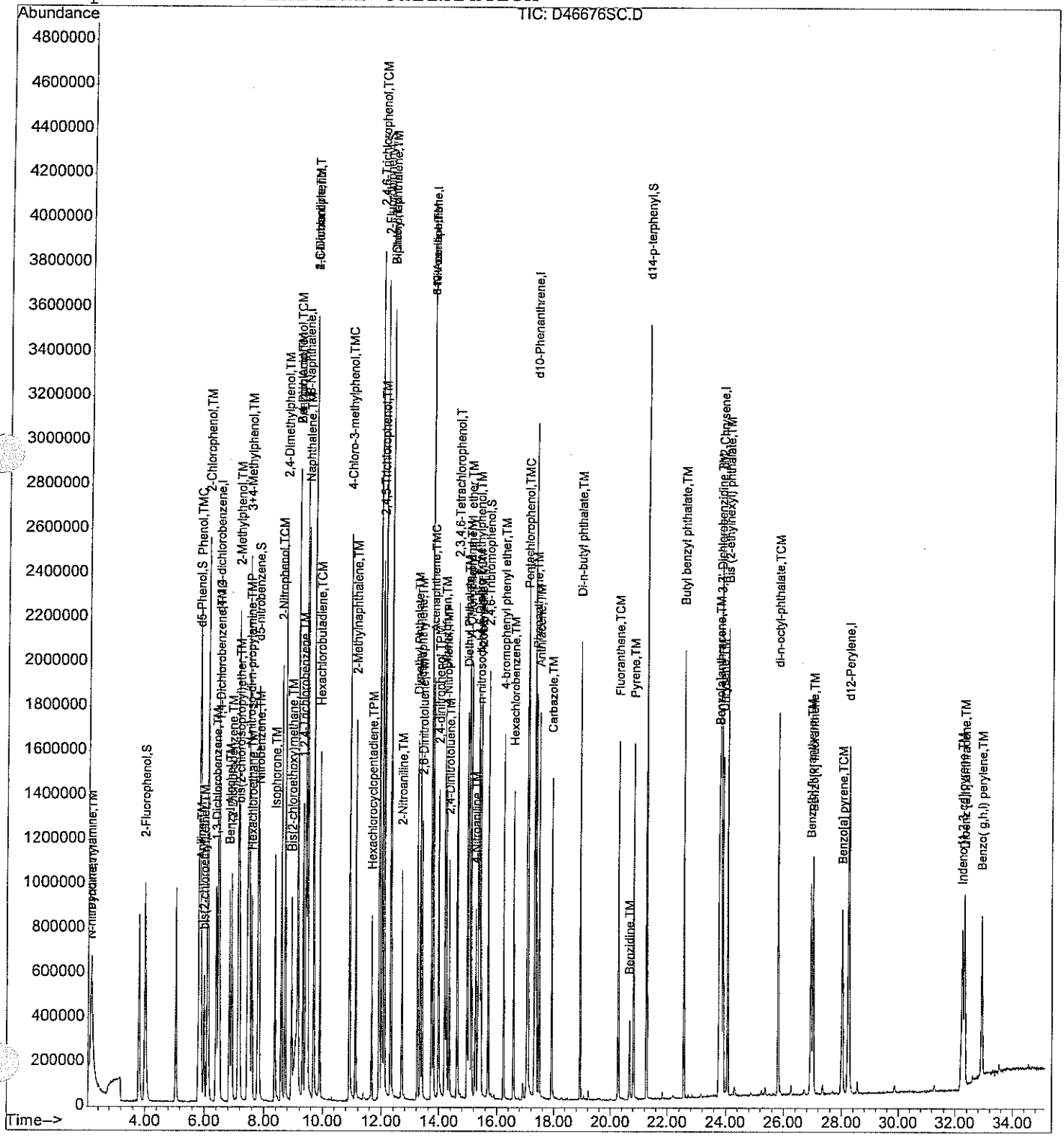
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
72) Pyrene	20.82	202	1366151	19.94	ug/ml#	97
74) Butyl benzyl phthalate	22.56	149	806963	19.31	ug/ml	95
75) Benzo[a]anthracene	23.78	228	1237146	20.38	ug/ml	99
76) Chrysene	23.90	228	1136494	20.30	ug/ml	99
77) 3,3'-Dichlorobenzidine	23.81	252	508500	20.61	ug/ml	98
78) Bis (2-ethylhexyl) phthala	24.06	149	1029325	19.24	ug/ml	100
80) di-n-octyl-phthalate	25.81	149	1768236	17.79	ug/ml	97
81) Benzo[b] fluoranthene	26.94	252	1242158	19.02	ug/ml	98
82) Benzo[k] fluoranthene	27.03	252	1206486	19.39	ug/ml	99
83) Benzo[a] pyrene	28.03	252	1166185	19.10	ug/ml#	97
84) Indeno [1,2,3-cd] pyrene	32.26	276	1092641	18.68	ug/ml	97
85) Dibenz [a,h] anthracene	32.33	278	1087007	17.15	ug/ml	98
86) Benzo(g,h,i) perylene	32.93	276	985063	17.18	ug/ml	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\032306-D\D46676SC.D Vial: 2
Acq On : 23 Mar 2006 3:22 pm Operator:
Sample : S6723 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 23 15:31 2006 Quant Results File: S03216.RES

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Thu Mar 23 15:31:04 2006
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : D:\HPCHEM\1\DATA\032306-D\D46692SC.D Vial: 2
Acq On : 24 Mar 2006 2:16 am Operator:
Sample : S6727 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Fri Mar 24 02:11:38 2006
Response via : Multiple Level Calibration

3-27-06

3/24/06

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	d4-1,4-dichlorobenzene	1.000	1.000	0.0	90	0.00
2	TM	Pyridine	0.913	0.810	11.3	83	0.00
3	TM	N-nitrosodimethylamine	1.265	1.372	-8.5	98	0.00
4	S	2-Fluorophenol	1.114	1.123	-0.8	90	-0.01
5	S	d5-Phenol	1.321	1.359	-2.9	91	-0.02
6	TM	Aniline	1.712	1.585	7.4	84	0.00
7	TMC	Phenol	1.493	1.493	0.0	88	-0.01
8	TM	2-Chlorophenol	1.359	1.391	-2.4	91	-0.01
9	TM	bis(2-chloroethyl) ether	1.125	1.188	-5.6	91	-0.01
10	TM	1,3-Dichlorobenzene	1.562	1.655	-6.0	97	0.00
11	TMC	1,4-Dichlorobenzene	1.645	1.747	-6.2	95	-0.01
12	TM	1,2-Dichlorobenzene	1.533	1.647	-7.4	98	-0.01
13	TM	Benzyl Alcohol	0.733	0.748	-2.0	87	-0.01
[illegible]	TM	2-Methylphenol	1.066	1.073	-0.7	91	-0.01
[illegible]	TM	bis(2-chloroisopropyl)ether	2.149	2.213	-3.0	91	0.00
16	TM	3+4-Methylphenol	1.069	1.138	-6.5	91	-0.02
17	TM	Hexachloroethane	0.690	0.727	-5.4	94	0.00
18	TMP	N-nitroso-di-n-propylamine	1.119	1.152	-2.9	91	-0.01
19	I	d8-Naphthalene	1.000	1.000	0.0	88	-0.01
20	S	d5-nitrobenzene	0.510	0.545	-6.9	94	-0.01
21	TM	Nitrobenzene	0.193	0.200	-3.6	87	-0.01
22	TM	Isophorone	0.770	0.816	-6.0	92	-0.01
23	TCM	2-Nitrophenol	0.230	0.241	-4.8	93	-0.01
24	TM	2,4-Dimethylphenol	0.399	0.420	-5.3	94	-0.01
25	TM	Bis(2-chloroethoxy)methane	0.395	0.413	-4.6	89	0.00
26	TCM	2,4-Dichlorophenol	0.338	0.354	-4.7	95	-0.01
27	TM	Benzoic Acid	0.263	0.291	-10.6	92	0.06
28	TM	1,2,4-Trichlorobenzene	0.366	0.391	-6.8	93	0.00
29	TM	Naphthalene	1.015	1.055	-3.9	94	-0.01
30	T	2,6-Dichlorophenol	0.334	0.352	-5.4	95	-0.01
31	TM	4-Chloroaniline	0.447	0.471	-5.4	98	-0.01
32	TCM	Hexachlorobutadiene	0.229	0.254	-10.9	101	-0.02
33	TMC	4-Chloro-3-methylphenol	0.334	0.357	-6.9	91	-0.01
34	TM	2-Methylnaphthalene	0.576	0.608	-5.6	94	0.00
35	I	d10-Acenaphthene	1.000	1.000	0.0	93	-0.01
36	TPM	Hexachlorocyclopentadiene	0.305	0.299	2.0	87	-0.01
[illegible]	TCM	2,4,6-Trichlorophenol	0.425	0.431	-1.4	96	-0.01
[illegible]	TM	2,4,5-Trichlorophenol	0.425	0.452	-6.4	99	-0.01
39	S	2-Fluorobiphenyl	1.359	1.403	-3.2	96	-0.01

(#) = Out of Range

Data File : D:\HPCHEM\1\DATA\032306-D\D46692SC.D Vial: 2
Acq On : 24 Mar 2006 2:16 am Operator:
Sample : S6727 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Fri Mar 24 02:11:38 2006
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	TM	2-Chloronaphthalene	1.188	1.190	-0.2	95	-0.01
41	TM	2-Nitroaniline	0.436	0.447	-2.5	94	-0.01
42	TM	2,6-Dinitrotoluene	0.358	0.368	-2.8	97	-0.01
43	TM	Dimethyl Phthalate	1.447	1.493	-3.2	96	-0.01
44	TM	Acenaphthylene	1.786	1.820	-1.9	95	-0.01
45	TM	3-Nitroaniline	0.354	0.378	-6.8	97	-0.01
46	TMC	Acenaphthene	1.077	1.108	-2.9	96	-0.01
47	TPM	2,4-dinitrophenol	0.216	0.234	-8.3	95	0.00
48	TM	Dibenzofuran	1.637	1.707	-4.3	96	0.00
49	TMP	4-Nitrophenol	0.323	0.369	-14.2	108	-0.01
50	TM	2,4-Dinitrotoluene	0.473	0.495	-4.7	95	0.00
51	T	2,3,4,6-Tetrachlorophenol	0.317	0.337	-6.3	98	-0.01
52	TM	Fluorene	1.348	1.376	-2.1	97	0.00
[illegible]	TM	Diethyl Phthalate	1.521	1.575	-3.6	96	-0.01
[illegible]	TM	4-Chlorophenyl phenyl ethe	0.629	0.671	-6.7	103	0.00
55	TM	4-Nitroaniline	0.332	0.341	-2.7	93	-0.02
56	TM	4,6-Dinitro-2-methylphenol	0.303	0.320	-5.6	95	0.00
57	TCM	n-nitrosodiphenylamine	0.860	0.858	0.2	95	0.00
58	TM	Azobenzene	1.753	1.755	-0.1	95	0.00
59	TM	Biphenyl	1.593	1.614	-1.3	95	-0.01
60	S	2,4,6-Tribromophenol	0.246	0.285	-15.9	103	-0.01
61	I	d10-Phenanthrene	1.000	1.000	0.0	93	-0.01
62	TM	4-bromophenyl phenyl ether	0.235	0.253	-7.7	101	-0.01
63	TM	Hexachlorobenzene	0.280	0.213	23.9#	73	-0.01
64	TMC	Pentachlorophenol	0.194	0.188	3.1	96	0.00
65	TM	Phenanthrene	1.053	1.065	-1.1	94	-0.01
66	TM	Anthracene	1.042	1.043	-0.1	94	0.00
67	TM	Carbazole	0.943	0.955	-1.3	93	0.00
68	TM	Di-n-butyl phthalate	1.443	1.456	-0.9	94	0.00
69	TCM	Fluoranthene	1.075	1.101	-2.4	95	0.00
70	TM	Benzidine	0.353	0.153	56.7#	41#	0.00
71	I	d12-Chrysene	1.000	1.000	0.0	94	0.00
72	TM	Pyrene	1.232	1.248	-1.3	95	0.00
73	S	d14-p-terphenyl	0.939	0.962	-2.4	96	-0.01
74	TM	Butyl benzyl phthalate	0.751	0.768	-2.3	95	0.00
75	TM	Benzo[a]anthracene	1.091	1.166	-6.9	100	0.00
[illegible]	TM	Chrysene	1.006	1.045	-3.9	97	0.00
[illegible]	TM	3,3'-Dichlorobenzidine	0.444	0.472	-6.3	105	-0.01
78	TM	Bis (2-ethylhexyl) phthalat	0.961	0.958	0.3	95	-0.01

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\HPCHEM\1\DATA\032306-D\D46692SC.D Vial: 2
Acq On : 24 Mar 2006 2:16 am Operator:
Sample : S6727 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Fri Mar 24 02:11:38 2006
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
79	I	d12-Perylene	1.000	1.000	0.0	99	-0.02
80	TCM	di-n-octyl-phthalate	1.753	1.714	2.2	94	-0.02
81	TM	Benzo[b] fluoranthene	1.152	1.150	0.2	98	-0.01
82	TM	Benzo[k] fluoranthene	1.098	1.144	-4.2	101	-0.02
83	TCM	Benzo[a] pyrene	1.077	1.078	-0.1	99	-0.02
84	TM	Indeno [1,2,3-cd] pyrene	1.126	1.035	8.1	99	-0.01
85	TM	Dibenz [a,h] anthracene	1.118	1.037	7.2	99	-0.01
86	TM	Benzo(g,h,i) perylene	1.011	0.909	10.1	99	-0.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0
D46692SC.D S03216.M Fri Mar 24 02:30:34 2006 Page 3

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\032306-D\D46692SC.D Vial: 2
Acq On : 24 Mar 2006 2:16 am Operator:
Sample : S6727 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Mar 24 2:30 2006 Quant Results File: S03216.RES

Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Fri Mar 24 02:11:38 2006
Response via : Initial Calibration
DataAcq Meth : ABN

3/24/06

3-27-06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	6.44	152	511389	40.00	ug/ml	0.00
19) d8-Naphthalene	9.37	136	1805572	40.00	ug/ml	-0.01
35) d10-Acenaphthene	13.69	164	1123973	40.00	ug/ml	-0.01
61) d10-Phenanthrene	17.28	188	1889909	40.00	ug/ml	-0.01
71) d12-Chrysene	23.80	240	1657955	40.00	ug/ml	0.00
79) d12-Perylene	28.20	264	1596790	40.00	ug/ml	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	3.97	112	574428	40.33	ug/ml	-0.01
Spiked Amount 75.000	Range 28 - 110		Recovery = 53.77%			
5) d5-Phenol	5.78	99	694814	41.13	ug/ml	-0.02
Spiked Amount 75.000	Range 22 - 110		Recovery = 54.84%			
20) d5-nitrobenzene	7.76	82	984657	42.79	ug/ml	-0.01
Spiked Amount 50.000	Range 45 - 107		Recovery = 85.58%			
39) 2-Fluorobiphenyl	12.06	172	1576984	41.29	ug/ml	-0.01
Spiked Amount 50.000	Range 44 - 102		Recovery = 82.58%			
60) 2,4,6-Tribromophenol	15.65	330	319815	44.59	ug/ml	-0.01
Spiked Amount 75.000	Range 63 - 127		Recovery = 59.45%#			
73) d14-p-terphenyl	21.24	244	1594291	40.98	ug/ml	-0.01
Spiked Amount 50.000	Range 33 - 132		Recovery = 81.96%			
Target Compounds						Qvalue
2) Pyridine	2.15	79	207024m	17.74	ug/ml	
3) N-nitrosodimethylamine	2.12	42	350812	21.70	ug/ml	98
6) Aniline	5.85	93	405359	18.53	ug/ml	91
7) Phenol	5.81	94	763282	39.98	ug/ml	99
8) 2-Chlorophenol	6.07	128	711307	40.95	ug/ml	97
9) bis(2-chloroethyl) ether	5.95	93	303640	21.11	ug/ml	98
10) 1,3-Dichlorobenzene	6.36	146	423149	21.20	ug/ml	99
11) 1,4-Dichlorobenzene	6.46	146	446804	21.25	ug/ml	96
12) 1,2-Dichlorobenzene	6.88	146	421169	21.49	ug/ml	96
13) Benzyl Alcohol	6.81	108	191215	20.41	ug/ml	94
14) 2-Methylphenol	7.11	108	548914	40.27	ug/ml	95
15) bis(2-chloroisopropyl)ethe	7.15	45	565979	20.60	ug/ml	99
16) 3+4-Methylphenol	7.45	108	582083	42.57	ug/ml	99
17) Hexachloroethane	7.56	117	185973	21.09	ug/ml	100
18) N-nitroso-di-n-propylamine	7.48	70	294568	20.59	ug/ml	99
21) Nitrobenzene	7.80	123	180951	20.80	ug/ml	95
22) Isophorone	8.34	82	736222	21.17	ug/ml	97
23) 2-Nitrophenol	8.54	139	435050	41.99	ug/ml	97
24) 2,4-Dimethylphenol	8.68	107	758510	42.14	ug/ml	99
25) Bis(2-chloroethoxy)methane	8.89	93	373004	20.93	ug/ml	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\032306-D\D46692SC.D Vial: 2
Acq On : 24 Mar 2006 2:16 am Operator:
Sample : S6727 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Mar 24 2:30 2006 Quant Results File: S03216.RES

Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Fri Mar 24 02:11:38 2006
Response via : Initial Calibration
DataAcq Meth : ABN

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
26)	2,4-Dichlorophenol	9.10	162	639171	41.94	ug/ml	99
27)	Benzoic Acid	9.09	105	525823m	40.21	ug/ml	
28)	1,2,4-Trichlorobenzene	9.28	180	352935	21.39	ug/ml	100
29)	Naphthalene	9.42	128	952018	20.79	ug/ml	100
30)	2,6-Dichlorophenol	9.65	162	636425	42.20	ug/ml	99
31)	4-Chloroaniline	9.64	127	425121	21.06	ug/ml	99
32)	Hexachlorobutadiene	9.85	225	229159	22.20	ug/ml	97
33)	4-Chloro-3-methylphenol	10.88	107	645080	42.77	ug/ml	98
34)	2-Methylnaphthalene	11.09	141	548887	21.10	ug/ml	98
36)	Hexachlorocyclopentadiene	11.64	237	168144	18.53	ug/ml	95
37)	2,4,6-Trichlorophenol	11.89	196	484416	40.57	ug/ml	99
38)	2,4,5-Trichlorophenol	11.99	196	508528	42.60	ug/ml	91
40)	2-Chloronaphthalene	12.28	162	668963	20.05	ug/ml	97
41)	2-Nitroaniline	12.66	138	251252	20.48	ug/ml	97
42)	2,6-Dinitrotoluene	13.36	165	207059	20.58	ug/ml	95
43)	Dimethyl Phthalate	13.20	163	838988	20.63	ug/ml	99
44)	Acenaphthylene	13.30	152	1022769	20.38	ug/ml	96
45)	3-Nitroaniline	13.69	138	212378	21.36	ug/ml	97
46)	Acenaphthene	13.76	154	622930	20.59	ug/ml	96
47)	2,4-dinitrophenol	13.95	184	262804	38.89	ug/ml	97
48)	Dibenzofuran	14.15	168	959228	20.85	ug/ml	97
49)	4-Nitrophenol	14.21	109	415035	45.76	ug/ml	87
50)	2,4-Dinitrotoluene	14.32	165	278201	20.92	ug/ml	100
51)	2,3,4,6-Tetrachlorophenol	14.60	232	378644	42.52	ug/ml	98
52)	Fluorene	14.99	166	773081	20.40	ug/ml	99
53)	Diethyl Phthalate	14.93	149	885001	20.71	ug/ml	100
54)	4-Chlorophenyl phenyl eth	15.02	204	377052	21.32	ug/ml	98
55)	4-Nitroaniline	15.22	138	191834	20.54	ug/ml	97
56)	4,6-Dinitro-2-methylphenol	15.31	198	359423	40.66	ug/ml	99
57)	n-nitrosodiphenylamine	15.36	169	481978	19.94	ug/ml	98
58)	Azobenzene	15.40	77	986508	20.02	ug/ml	98
59)	Biphenyl	12.26	154	907196	20.27	ug/ml	99
62)	4-bromophenyl phenyl ether	16.20	248	239499	21.60	ug/ml	99
63)	Hexachlorobenzene	16.54	284	201308	15.23	ug/ml#	78
64)	Pentachlorophenol	17.01	266	356028	39.33	ug/ml	97
65)	Phenanthrene	17.33	178	1006380	20.22	ug/ml	100
66)	Anthracene	17.44	178	985661	20.03	ug/ml	99
67)	Carbazole	17.89	167	902053	20.25	ug/ml	98
68)	Di-n-butyl phthalate	18.90	149	1375742	20.18	ug/ml	100
69)	Fluoranthene	20.24	202	1040489	20.49	ug/ml	99
70)	Benzidine	20.64	184	145039	6.85	ug/ml	96

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\032306-D\D46692SC.D Vial: 2
Acq On : 24 Mar 2006 2:16 am Operator:
Sample : S6727 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Mar 24 2:30 2006 Quant Results File: S03216.RES

Quant Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Fri Mar 24 02:11:38 2006
Response via : Initial Calibration
DataAcq Meth : ABN

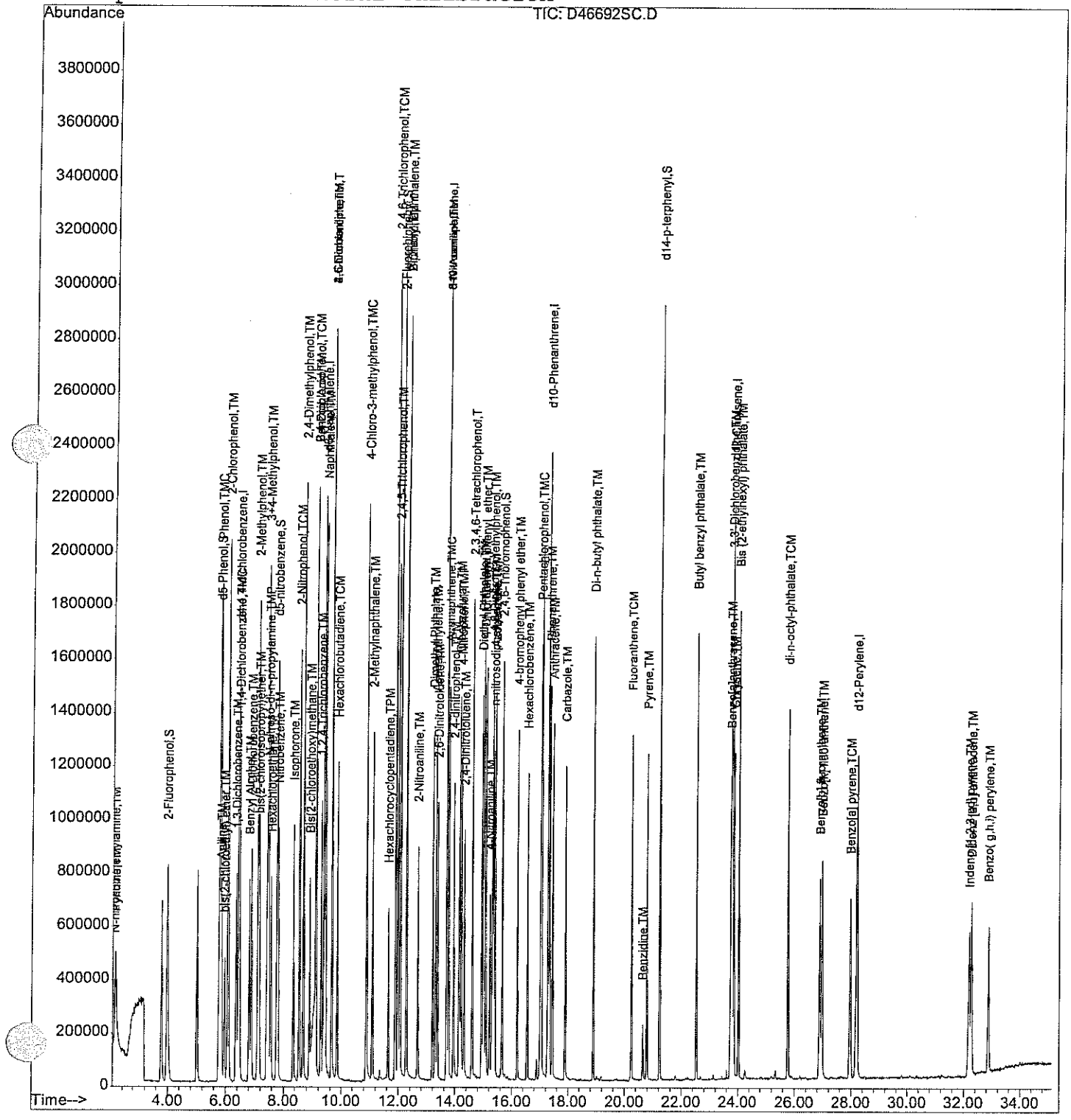
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
72) Pyrene	20.79	202	1034856	20.27 ug/ml	99
74) Butyl benzyl phthalate	22.53	149	636459	20.44 ug/ml	93
75) Benzo[a]anthracene	23.74	228	966530	21.37 ug/ml	99
76) Chrysene	23.86	228	866681	20.78 ug/ml	99
77) 3,3'-Dichlorobenzidine	23.77	252	391563	21.30 ug/ml	99
78) Bis (2-ethylhexyl) phthala	24.02	149	793977	19.92 ug/ml	99
80) di-n-octyl-phthalate	25.77	149	1368447	19.55 ug/ml#	99
81) Benzo[b] fluoranthene	26.89	252	918375	19.97 ug/ml	98
82) Benzo[k] fluoranthene	26.97	252	913684	20.85 ug/ml	99
83) Benzo[a] pyrene	27.97	252	860913	20.02 ug/ml	99
84) Indeno [1,2,3-cd] pyrene	32.20	276	826532	19.94 ug/ml	99
85) Dibenz [a,h] anthracene	32.27	278	828017	18.56 ug/ml	98
86) Benzo(g,h,i) perylene	32.87	276	725360	17.97 ug/ml	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\032306-D\D46692SC.D Vial: 2
Acq On : 24 Mar 2006 2:16 am Operator:
Sample : S6727 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 24 2:30 2006 Quant Results File: S03216.RES

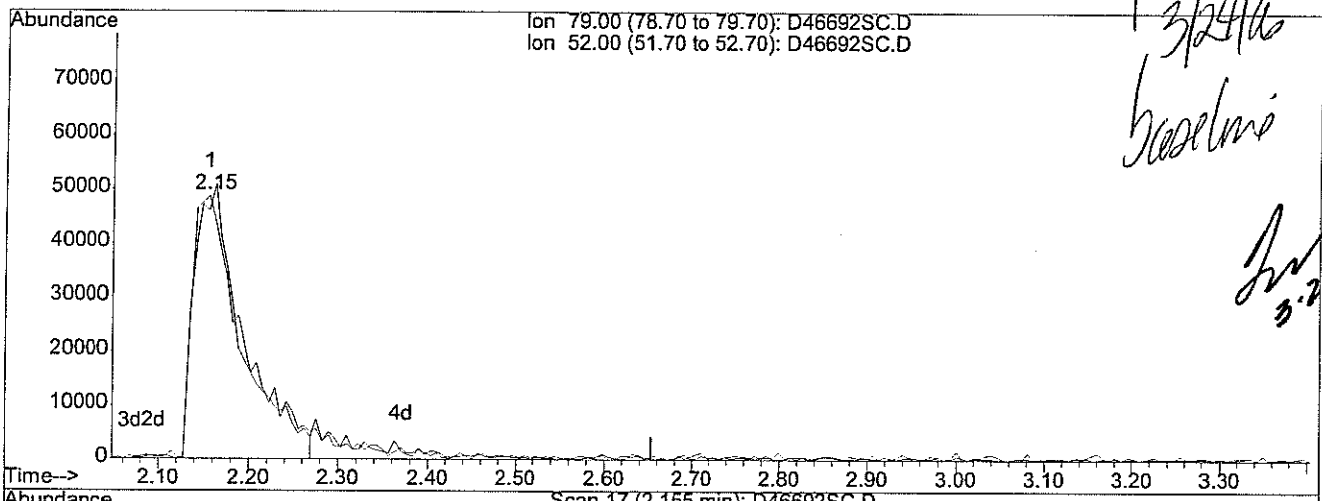
Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Fri Mar 24 02:11:38 2006
Response via : Initial Calibration

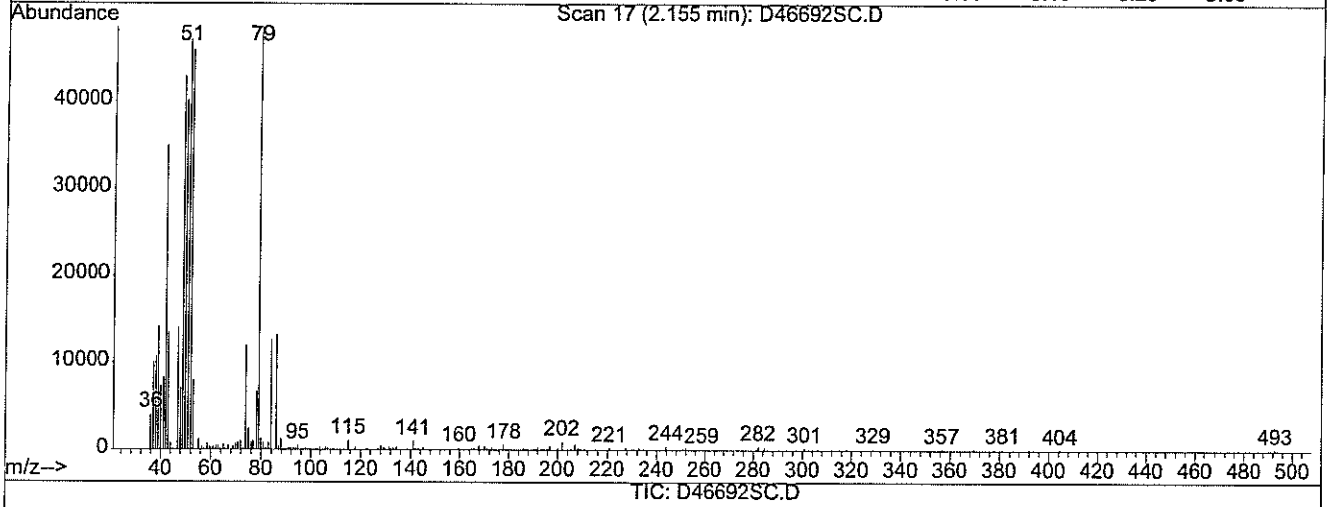


Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\032306-D\D46692SC.D Vial: 2
Acq On : 24 Mar 2006 2:16 am Operator:
Sample : S6727 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 24 2:29 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Fri Mar 24 02:11:38 2006
Response via : Multiple Level Calibration





TIC: D46692SC.D

(2) Pyridine (TM)

2.15min 15.94ug/ml

response 186076

Ion	Exp%	Act%
79.00	100	100
52.00	93.10	106.65
0.00	0.00	0.00
0.00	0.00	0.00

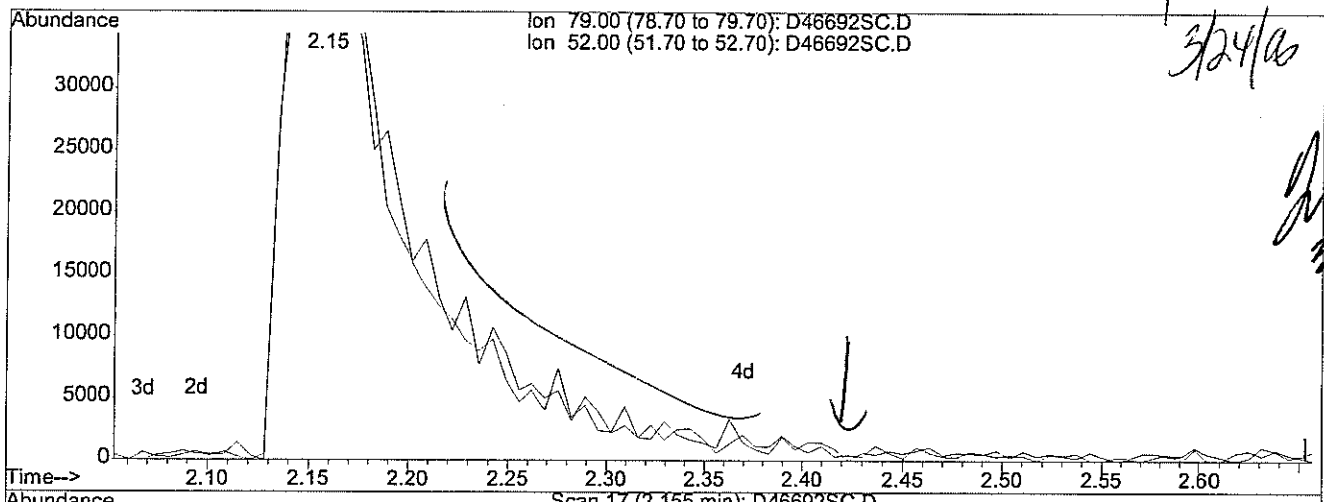
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\032306-D\D46692SC.D Vial: 2
Acq On : 24 Mar 2006 2:16 am Operator:
Sample : S6727 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 24 2:29 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Fri Mar 24 02:11:38 2006
Response via : Multiple Level Calibration

3/24/06

3.27.06



TIC: D46692SC.D

(2) Pyridine (TM)

2.15min 17.74ug/ml m

response 207024

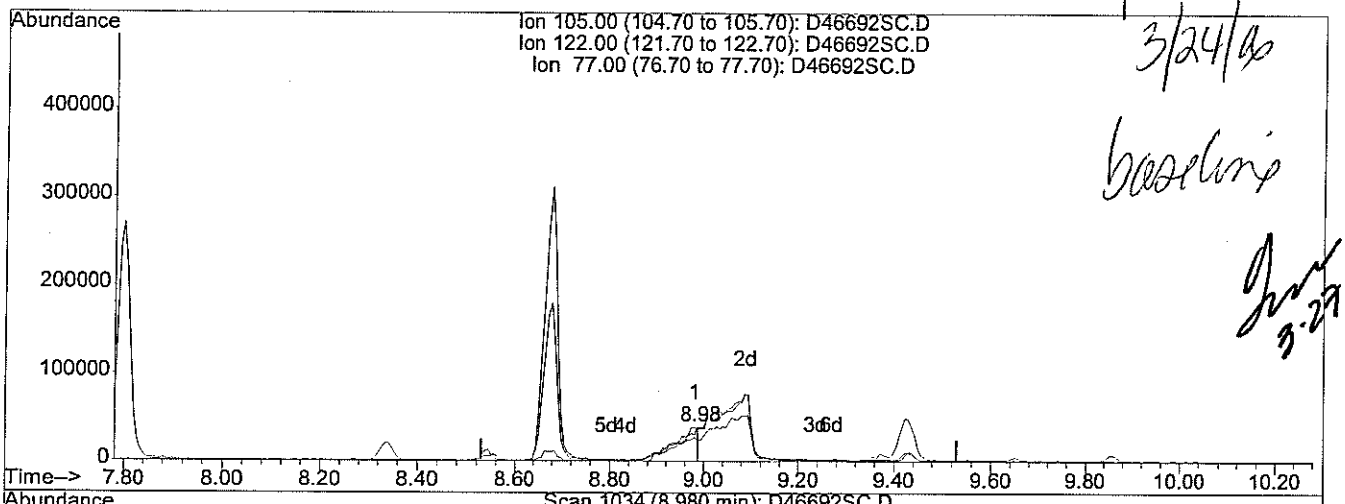
Ion	Exp%	Act%
79.00	100	100
52.00	93.10	95.86
0.00	0.00	0.00
0.00	0.00	0.00

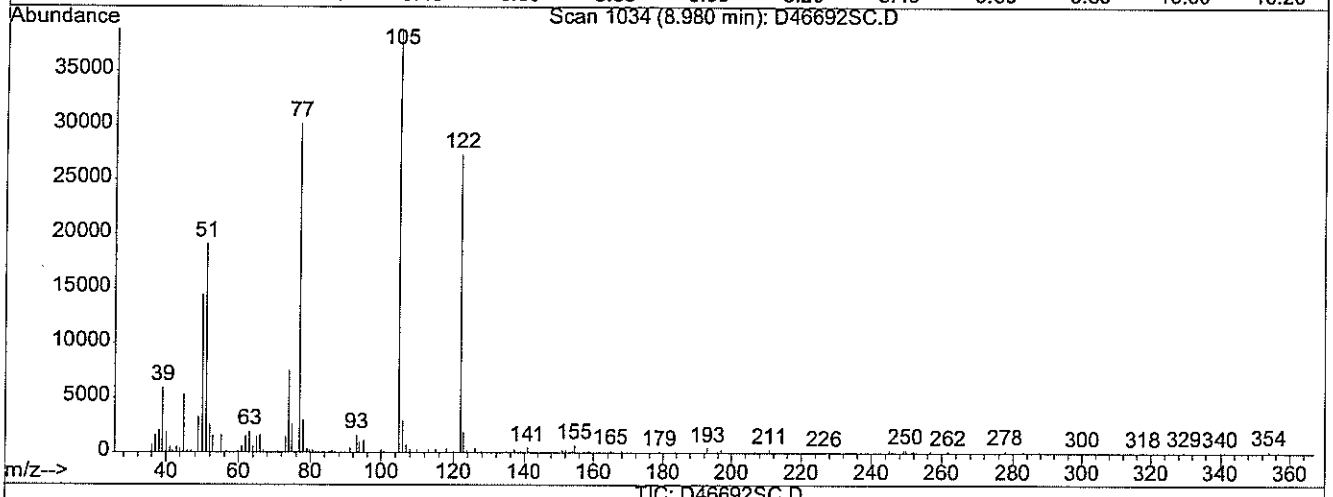
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\032306-D\D46692SC.D Vial: 2
Acq On : 24 Mar 2006 2:16 am Operator:
Sample : S6727 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 24 2:29 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Fri Mar 24 02:11:38 2006
Response via : Multiple Level Calibration

3/24/06
baseline
3-29-06





(27) Benzoic Acid (TM)

8.98min 12.58ug/ml

response 132509

Ion	Exp%	Act%
105.00	100	100
122.00	75.50	79.79
77.00	65.90	166.14#
0.00	0.00	0.00

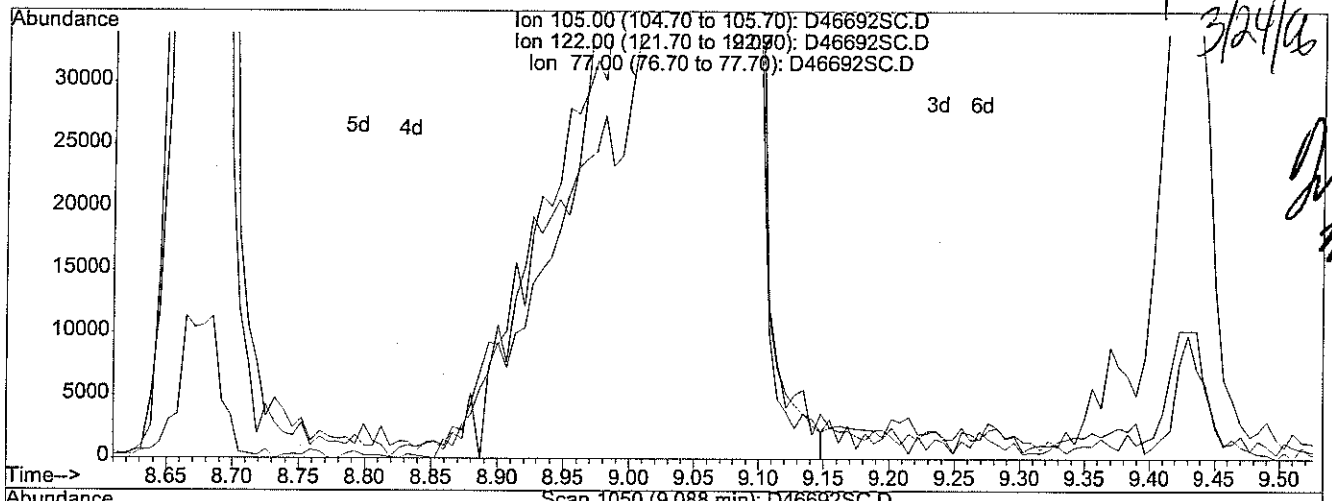
Quantitation Report (Qedit)

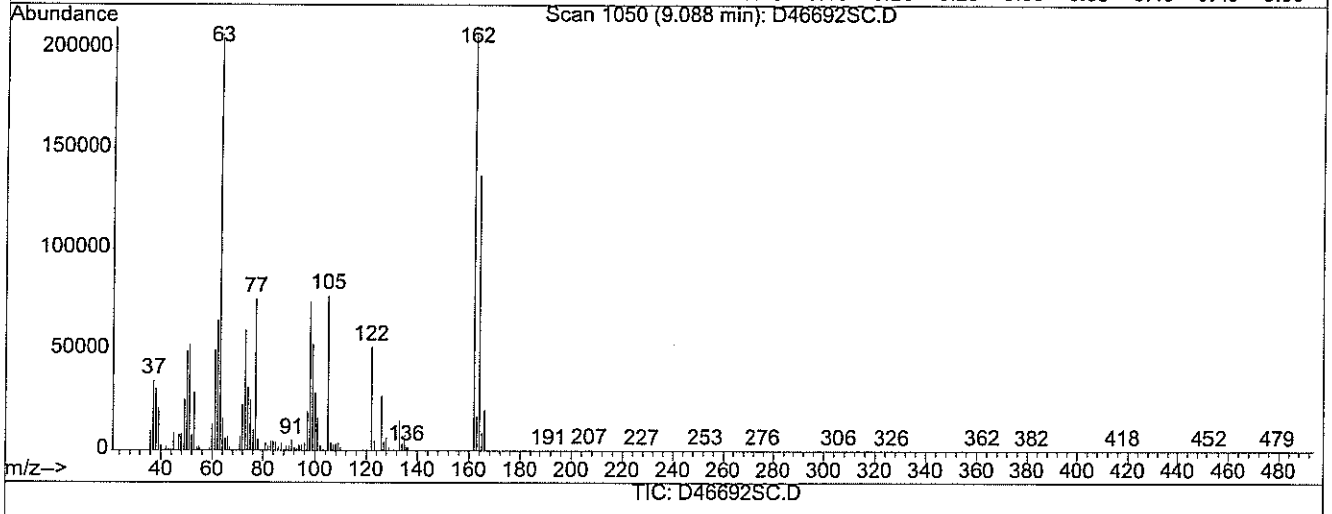
Data File : D:\HPCHEM\1\DATA\032306-D\D46692SC.D Vial: 2
Acq On : 24 Mar 2006 2:16 am Operator:
Sample : S6727 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 24 2:30 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S03216.M (RTE Integrator)
Title : ABN
Last Update : Fri Mar 24 02:11:38 2006
Response via : Multiple Level Calibration

3/24/06

3-27-06





TIC: D46692SC.D

(27) Benzoic Acid (TM)

9.09min 40.21ug/ml m

response 525823

Ion	Exp%	Act%
105.00	100	100
122.00	75.50	20.11#
77.00	65.90	41.87#
0.00	0.00	0.00

SEMI-VOLATILE ORGANIC
INTERNAL STANDARD AREA AND RT SUMMARY

Project #: CTO 1042

DFTPP File ID: D46633T.D

Instrument ID: D

GC Column: RTX-5MS

Quote #: NA

Site ID: Subbase Groton Site 7

ID: 0.25(mm)

SDG#: 56079

Location: CT

DFTPP Injection Date: 3/21/06

DFTPP Injection Time: 2311

		IS1 AREA	#	RT	#	IS2 AREA	#	RT	#	IS3 AREA	#	RT	#	IS4 AREA	#	RT	#	IS5 AREA	#	RT	#	IS6 AREA	#	RT	#
	12 HOUR STD	570602		6.49		2044490		9.43		1204390		13.75		2031130		17.34		1773180		23.87		1620830		28.30	
	UPPER LIMIT	1141204		6.88		4088980		10.00		2408780		14.57		4062260		18.38		3546360		25.30		3241660		30.00	
	LOWER LIMIT	285301		6.10		1022245		8.87		602195		12.92		1015565		16.30		886590		22.44		810415		26.60	
	SAMPLE NO.																								
01	S6726 PT1 2/4	554090		6.51		2004260		9.44		1146070		13.75		1940630		17.34		1428630		23.87		1412210		28.30	
02	S6725 PT2A 4/8	567676		6.50		2144020		9.43		1260150		13.74		2113710		17.34		1679640		23.87		1591170		28.30	
03	S6724 PT2 10/20	557935		6.49		2042280		9.43		1188830		13.74		2067880		17.34		1695180		23.86		1582870		28.30	
04	S6723 PT3 20/40	570602		6.49		2044490		9.43		1204390		13.75		2031130		17.34		1773180		23.87		1620830		28.30	
05	S6722 PT4A 40/80	565529		6.50		1987930		9.44		1204060		13.75		1944060		17.35		1784450		23.88		1670480		28.31	
06	S6721 PT4 50/100	548249		6.50		1925570		9.45		1188630		13.76		1900180		17.35		1767890		23.89		1638640		28.31	
07	S6720 PT5 100/200	612846		6.50		2058110		9.46		1240260		13.76		1986070		17.37		1958370		23.89		1875920		28.33	
08	S6703 ABN CC 20/40	590527		6.50		2103930		9.43		1257600		13.74		2231220		17.34		1900760		23.87		1743750		28.30	
09	S6690 BENZIDINES + ANIL	644808		6.49		2346700		9.43		1351430		13.74		2390420		17.34		1987560		23.86		1909520		28.29	
10																									
11																									
12																									
13																									
14																									
15																									
16																									
17																									
18																									
19																									
20																									
21																									
22																									

IS1 = d4-1,4 -Dichlorobenzene
IS2 =d8- Naphthalene
IS3 = d10-Acenaphthalene
IS4 = d10- Phenanthrene
IS5 = d12-Chrysene
IS6 = d10-Perylene

AREA UPPER LIMIT = +100 of internal standard area
AREA LOWER LIMIT = -50 of internal standard area
RT UPPER LIMIT = +0.06 minutes of internal standard RT
RT LOWER LIMIT = -0.06 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

GC/MS QA-QC Check Report

Tune File : D:\HPCHEM\1\DATA\032106-D\D46633T.D
Tune Time : 21 Mar 2006 11:11 pm

Daily Calibration File : D:\HPCHEM\1\DATA\032106-D\D46637SI.D

3/22/06

570602 2044490 1204390

2031130 1773180 1620830

File	Sample	Surrogate Recovery %				Internal Standard Responses		
D46634SI.D	S6726 PT	5*	5*	7*	8*	554090	2004264	1146072
		4*	8*			1940634	1428628	1412208
D46635SI.Dt	S6725 PT	10*	10*	15*	15*	567676	2144018	1260154
		10*	15*			2113711	1679641	1591167
D46636SI.D	S6724 PT	27*	26	40*	39*	557935	2042284	1188833
		26*	40			2067880	1695180	1582873
D46637SI.D	S6723 PT	54	54	81	80	570602	2044487	1204387
		56*	80			2031125	1773176	1620826
D46638SI.D	S6722 PT	104	105	161*	165*	565529	1987933	1204056
		114	176*			1944056	1784445	1670479
D46639SI.D	S6721 PT	135*	138*	199*	208*	548249	1925570	1188629
		138*	222*			1900183	1767893	1638638
D46640SI.D	S6720 PT	257*	264*	387*	434*	612846	2058106	1240258
		285*	426*			1986065	1958370	1875920
D46641.D	S6703 AB	56	43	81	82	590527	2103927	1257604
		51*	74			2231218	1900758	1743752
D46642.D	S6690 BE	0*	0*	0*	0*	644808	2346701	1351430
		1*	0*			2390417	1987560	1909516

t - fails 12hr time check * - fails criteria

Created: Wed Mar 22 21:40:17 2006 D Instrum

3-22-06

SEMI-VOLATILE ORGANIC
INTERNAL STANDARD AREA AND RT SUMMARY

Project #: CTO 1042 | Quote #: NA | SDG#: 56079

DFTPP File ID: D46675T.D | Site ID: Subbase Groton Site 7 | Location: CT

Instrument ID: D | DFTPP Injection Date: 3/23/06

GC Column: RTX-5MS | ID: 0.25(mm) | DFTPP Injection Time: 1420

	IS1 AREA	#	RT	#	IS2 AREA	#	RT	#	IS3 AREA	#	RT	#	IS4 AREA	#	RT	#	IS5 AREA	#	RT	#	IS6 AREA	#	RT	#
12 HOUR STD	714669		6.46		2496070		9.41		1537700		13.72		2571170		17.32		2225490		23.84		2267630		28.26	
UPPER LIMIT	1429338		6.85		4992140		9.97		3075400		14.54		5142340		18.35		4450980		25.27		4535260		29.96	
LOWER LIMIT	357335		6.08		1248035		8.84		768850		12.90		1285585		16.28		1112745		22.41		1133815		26.57	
SAMPLE NO.																								
01 S6723 PT3 20/40	714669		6.46		2496070		9.41		1537700		13.72		2571170		17.32		2225490		23.84		2267630		28.26	
02 ZZZZZ	804133		6.46		2894600		9.40		1785390		13.71		3139700		17.30		2647690		23.83		2388200		28.24	
03 B03236AS	572292		6.46		2054810		9.39		1238820		13.71		2182570		17.30		1779390		23.81		1777960		28.23	
04 L03236AS	543964		6.45		1978780		9.39		1225410		13.70		2041200		17.30		1962720		23.82		1771820		28.24	
05 LD03236AS	555760		6.45		2002430		9.39		1213720		13.70		2072980		17.30		1994620		23.83		1781960		28.24	
06 ZZZZZ	333924	*	6.44		1150030	*	9.38		687141	*	13.69		1174410	*	17.28		910626	*	23.80		994209	*	28.20	
07 ZZZZZ	583285		6.45		2062200		9.38		1204240		13.70		1923640		17.29		1523350		23.81		1693720		28.23	
08 56079-1	565447		6.45		2042040		9.38		1139640		13.69		1806860		17.29		1410640		23.81		1798310		28.24	
09 ZZZZZ	552308		6.45		1982090		9.38		1099380		13.70		1784890		17.29		1961660		23.83		811885	*	28.25	
10 ZZZZZ	549051		6.45		1916560		9.38		1099870		13.70		1790090		17.29		1856360		23.82		1118610	*	28.24	
11 ZZZZZ	519509		6.44		1892810		9.38		1137840		13.70		1891000		17.29		1926380		23.83		931333	*	28.23	
12 ZZZZZ	521355		6.45		1872330		9.39		1128050		13.70		1855200		17.29		2176140		23.83		758583	*	28.23	
13 ZZZZZ	549853		6.44		1996540		9.38		1230860		13.70		2013900		17.29		2367580		23.85		755936	*	28.25	
14 ZZZZZ	521297		6.44		1901700		9.38		1142560		13.70		1953730		17.29		1905370		23.82		1012170	*	28.21	
15 ZZZZZ	513949		6.44		1830540		9.38		1049820		13.69		1803590		17.29		1911350		23.83		623447	*	28.22	
16																								
17																								
18																								
19																								
20																								
21																								
22																								

IS1 = d4-1,4 -Dichlorobenzene
IS2 =d8- Naphthalene
IS3 = d10-Acenaphthalene
IS4 = d10- Phenanthrene
IS5 = d12-Chrysene
IS6 = d10-Perylene

AREA UPPER LIMIT = +100 of internal standard area
AREA LOWER LIMIT = -50 of internal standard area
RT UPPER LIMIT = +0.06 minutes of internal standard RT
RT LOWER LIMIT = -0.06 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

GC/MS QA-QC Check Report

Tune File : D:\HPCHEM\1\DATA\032306-D\D46675T.D
Tune Time : 23 Mar 2006 2:20 pm

Daily Calibration File : D:\HPCHEM\1\DATA\032306-D\D46676SC.D

3/24/06

						714669	2496070	1537700	
						2571170	2225490	2267630	

3-24-06

File	Sample	Surrogate Recovery %				Internal Standard Responses			
D46677SC.D	S6678 BE	0*	0*	0*	0*	804133	2894597	1785394	
		1*	0*			3139702	2647685	2388202	
D46678B.D	B03236AS	73	81	82	90	572292	2054806	1238817	
		91	92			2182573	1779389	1777964	
D46679Q.D	L03236AS	63	74	73	78	543964	1978779	1225407	
		92	81			2041195	1962716	1771819	
D46680Q.D	LD03236A	66	76	75	83	555760	2002428	1213724	
		92	82			2072983	1994616	1781957	
D46681.D	56078-1	55	65	67	72	333924*	1150025*	687141*	
		2*	78			1174409*	910626*	994209*	
D46682.D	56078-2	60	69	68	79	583285	2062203	1204235	
		81	77			1923638	1523346	1693722	
D46683.D	56079-1	72	82	83	92	565447	2042038	1139637	
		89	89			1806859	1410638	1798306	
D46684.D	56079-2	71	83	82	93	552308	1982086	1099383	
		90	67			1784890	1961659	811885*36%	
D46685.D	56079-3	67	78	80	89	549051	1916557	1099866	
		89	68			1790087	1856360	1118609*49%	
D46686.D	56081-1	68	80	77	84	519509	1892813	1137842	
		87	71			1891004	1926377	931333*41%	
D46687SP.D	56081-1,	63	76	78	85	521355	1872329	1128049	
		93	67			1855198	2176142	758583*33%	
D46688SP.D	56081-1,	60	72	71	77	549853	1996541	1230861	
		87	60			2013902	2367583	755936*33%	
D46689.D	t56078-1	56	64	65	72	521297	1901696	1142562	
		79	66			1953725	1905374	1012167*45%	
D46690.D	56051-2,	26*	32*	31	36	513949	1830538	1049816	
		41	32*			1803585	1911352	623447*27%	

3/24/06

t - fails 12hr time check * - fails criteria

Created: Fri Mar 24 01:28:28 2006 D Instrum

SEMI-VOLATILE ORGANIC
INTERNAL STANDARD AREA AND RT SUMMARY

Project #: CTO 1042 | Quote #: NA | SDG#: 56079

DFTPP File ID: D46691T.D | Site ID: Subbase Groton Site 7 | Location: CT

Instrument ID: D | DFTPP Injection Date: 3/24/06

GC Column: RTX-5MS | ID: 0.25(mm) | DFTPP Injection Time: 0201

		IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #	IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
	12 HOUR STD	511389	6.44	1805570	9.37	1123970	13.69	1889910	17.28	1657960	23.80	1596790	28.20
	UPPER LIMIT	1022778	6.82	3611140	9.93	2247940	14.51	3779820	18.31	3315920	25.23	3193580	29.89
	LOWER LIMIT	255695	6.05	902785	8.81	561985	12.86	944955	16.24	828980	22.37	798395	26.51
	SAMPLE NO.												
01	S6727 PT3 20/40	511389	6.44	1805570	9.37	1123970	13.69	1889910	17.28	1657960	23.80	1596790	28.20
02	ZZZZZ	716557	6.43	2649360	9.36	1605600	13.68	2848000	17.27	2451310	23.79	2195440	28.19
03	B03236AS, RR	518590	6.43	1819860	9.36	1097100	13.67	1949780	17.26	1639830	23.78	1582240	28.17
04	ZZZZZ	501951	6.42	1816340	9.36	1021770	13.67	1663840	17.26	1447370	23.79	1681220	28.22
05	ZZZZZ	562032	6.42	2001210	9.36	1184120	13.67	2009430	17.26	1595600	23.79	1748340	28.19
06	56079-2	491685	6.42	1801470	9.36	1055880	13.67	1789780	17.26	1648420	23.80	1167450	28.22
07	56079-3	490997	6.42	1756080	9.36	1026040	13.67	1777720	17.26	1576000	23.79	1503010	28.22
08	ZZZZZ	501015	6.41	1793960	9.35	1056880	13.67	1729340	17.27	1597720	23.80	1189040	28.21
09	56081-1,MS	479947	6.42	1732090	9.36	1038150	13.68	1687970	17.27	1836080	23.80	1030790	28.21
10	56081-1,MSD	517965	6.43	1884140	9.37	1138400	13.68	1845210	17.27	2260980	23.82	897846	28.23
11	ZZZZZ	456857	6.42	1677390	9.36	940737	13.67	1602100	17.26	1528560	23.79	1137780	28.18
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

IS1 = d4-1,4 -Dichlorobenzene
IS2 =d8- Naphthalene
IS3 = d10-Acenaphthalene
IS4 = d10- Phenanthrene
IS5 = d12-Chrysene
IS6 = d10-Perylene

AREA UPPER LIMIT = +100 of internal standard area
AREA LOWER LIMIT = -50 of internal standard area
RT UPPER LIMIT = +0.06 minutes of internal standard RT
RT LOWER LIMIT = -0.06 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

GC/MS QA-QC Check Report

Tune File : D:\HPCHEM\1\DATA\032306-D\D46691T.D
Tune Time : 24 Mar 2006 2:01 am

Daily Calibration File : D:\HPCHEM\1\DATA\032306-D\D46692SC.D

						511389	1805570	1123970
						1889910	1657960	1596790
File	Sample	Surrogate Recovery %				Internal Standard Responses		
D46693SC.D	S6678 BE	0*	0*	0*	0*	716557	2649357	1605597
		1*	0*			2848000	2451307	2195441
D46694B.D	B03236AS	76	85	85	91	518590	1819855	1097099
		97	91			1949784	1639827	1582244
D46695.D	56051-2,	29*	35*	33	36	501951	1816336	1021769
		41	34*			1663836	1447372	1681221
D46696.D	56078-1	56	66	67	74	562032	2001211	1184119
		85	81			2009429	1595597	1748341
D46697.D	56079-2	76	87	83	89	491685	1801468	1055877
		98	75			1789779	1648422	1167453
D46698.D	56079-3	69	81	82	87	490997	1756083	1026035
		101	82			1777717	1575995	1503007
D46699.D	56081-1	65	79	78	84	501015	1793961	1056883
		92	76			1729337	1597724	1189044
D46700SP.D	56081-1,	63	76	77	83	479947	1732094	1038154
		97	67			1687965	1836081	1030785
D46701SP.D	56081-1,	58	72	71	78	517965	1884139	1138400
		87	53			1845206	2260983	897846
D46702.D	56059-1	71	79	79	84	456857	1677392	940737
		88	75			1602103	1528555	1137775

t - fails 12hr time check * - fails criteria

Created: Fri Mar 24 19:08:55 2006 D Instrum

Chain Of Custody Form

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 2, 10/25/04

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 4
3) Received in good condition Y or N
4) pH checked by: N/A
5) Labels checked by: MC 3/22/06

Project#: Proj. Name: Subbase Groton Site 7
Company: Tteci
Contact: Rick Woodworth
Address:
Phone: PO# Quote #
Sampler (Signature): Paul W. Anderson

Matrix Key:
WW=Wastewater
SW=Surfacewater
GW=Groundwater
DW=Drinkingwater
S=Soil/Sludge
O=Oil
F=Extract
X=Other

Container Key
P=plastic G=glass

Preservation

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4° C	HNO3	H2SO4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
NSB-NLON-SITE7-CS-SL-SW01-01	3-22-06	1100	8270c PAH	X	X						S	1	G		56079-1
"		"	VOC SW-846/8260B	X	X				X		S	1	G		
"		"	% Solid	X	X						S	1	G		
NSB-NLON-SITE7-CS-SL-SW5-01		1050	PAH 8270C	X	X						S	1	G		-2
"		"	VOC SW-846/8260B	X	X				X		S	1	G		
"		"	% Solid	X	X						S	1	G		
NSB-NLON-SITE7-CS-SL-SW01-032206	3-22-06	11:00	8270 PAH	X	X										3
			VOC SW8460/8260B	X	X				X						

Email RESULTS? YES NO
Email
Fax RESULTS? YES NO
Fax#

Turnaround Request
Standard ☐ Due Date
Priority ☒ 2 Due Date

Comments / Instructions:
→ ~~2-day~~ 24 HR turnaround
Samples from excavation on west side of B325
3/23/06 Per Paul Anderson - Add -3 to coc its a duplicate.

Page 1 of 1

Received By:	Received By:	Received By:
Time: 1600	Time:	Time:
Date: 3-22-06	Date:	Date:
Relinquished By Sampler: Paul W. Anderson	Relinquished By:	Relinquished By:

2250/251

Analytics\AEL Documents\AEL COC

ANALYTICS SAMPLE RECEIPT CHECKLIST

analytics environmental laboratory LLC

AEL LAB#: 56079
CLIENT: TetraTech
PROJECT: Subbase Groton Site 7

COOLER NUMBER: _____
NUMBER OF COOLERS: 1
DATE RECEIVED: 3/22/06

A: PRELIMINARY EXAMINATION:

DATE COOLER OPENED: 3/22/06

1. Cooler received by(initials)
2. Did cooler come with a shipping slip?

Date Received: _____

Y (N)

If YES, enter carrier name and airbill number here: NA

3. Were custody seals on the outside of cooler?
How many & where: _____ Seal Date: _____ Seal Name: Hand delivered

Y (NA)

4. Did the custody seals arrive unbroken and intact upon arrival?

Y (NA)

5. COC#: _____

6. Were Custody papers filled out properly (ink,signed, etc)?	(Y)	N
7. Were custody papers sealed in a plastic bag?	(Y)	N
8. Did you sign the COC in the appropriate place?	(Y)	N
9. Was the project identifiable from the COC papers?	(Y)	N
10. Was enough ice used to chill the cooler?	(Y)	N

Temp. of cooler: 4°C

B. Log-In: Date samples were logged in: 3/22/06 By: DPM

11. Type of packing in cooler(bubble wrap, popcorn)	(Y)	N
12. Were all bottles sealed in separate plastic bags?	(Y)	N
13. Did all bottles arrive unbroken and were labels in good condition?	Y	N
14. Were all bottle labels complete(ID,Date,time,etc.)	(Y)	N
15. Did all bottle labels agree with custody papers?	(Y)	N
16. Were the correct containers used for the tests indicated:	(Y)	N
17. Were samples received at the correct pH?	(Y)	N
18. Was sufficient amount of sample sent for the tests indicated?	(Y)	N
19. Were bubbles absent in VOA samples?	(Y)	N

If NO, List sample #'s: _____

20. Laboratory labeling verified by (initials): MM Date: 3/22/06

Extra sample provided in cooler - called Paul Anderson @ TTECRI and per his instruction added sample to COC

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

Report Number: 56080

Revision: Rev. 0

Re: Subbase New London Site 7 **CTO1042**

Enclosed are the results of the analyses on your sample(s). Samples were received on 22 March 2006 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
56080-1	03/22/06	NSB-NLON-SITE7-GW-01	Cyanide Reactivity	
	03/22/06	NSB-NLON-SITE7-GW-01	EPA 1010 Flashpoint	
	03/22/06	NSB-NLON-SITE7-GW-01	EPA 8015 - Gasoline	
	03/22/06	NSB-NLON-SITE7-GW-01	EPA 8082 (PCBs only)	
	03/22/06	NSB-NLON-SITE7-GW-01	EPA 8100 - TPH	
	03/22/06	NSB-NLON-SITE7-GW-01	EPA 8260 Volatile Organics	
	03/22/06	NSB-NLON-SITE7-GW-01	EPA 8270 Acid/Base Neutrals	
	03/22/06	NSB-NLON-SITE7-GW-01	RCRA Metals	
	03/22/06	NSB-NLON-SITE7-GW-01	Sulfide Reactivity	
	03/22/06	NSB-NLON-SITE7-GW-01	SW-846 9040 pH in Water	
	03/22/06	NSB-NLON-SITE7-GW-01	Total Organic Carbon in Aqueous Matrices	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, North Carolina, New York, Virginia, Pennsylvania and is validated by the U.S. Army Corps of Engineers (MRD) and U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 03/31/06

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analytics environmental laboratory LLC

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Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

March 27, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London Site 7

Project Number: CTO1042

Field Sample ID: NSB-NLON-SITE7-GW-01

SAMPLE DATA

Lab Sample ID: 56080-1
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1
Collection Date: 03/22/06
Lab Receipt Date: 03/22/06
Analysis Date: 03/23/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether (MTBE)	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	U
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	U
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	U	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether (DIPE)	2	U
t-Butyl alcohol (TBA)	20	U	Ethyl t-butyl ether (ETBE)	2	U
t-Amyl methyl ether (TAME)	2	U			

Surrogate Standard Recovery

Dibromofluoromethane	100	%	d4-1,2-Dichloroethane	103	%	d8-Toluene	101	% Bromofluorobenzene	101 %

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

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

COMMENTS:

Authorized signature

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800-929-9906

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100

March 28, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London Site 7

Project Number: CTO1042

Field Sample ID: NSB-NLON-SITE7-GW-01

SAMPLE DATA

Lab Sample ID: 56080-1
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.1
Collection Date: 03/22/06
Lab Receipt Date: 03/22/06
Extraction Date: 03/24/06
Analysis Date: 03/28/06

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

ACID COMPOUND	Quantitation Limit µg/L	Result µg/L	ACID COMPOUND	Quantitation Limit µg/L	Result µg/L
2-Chlorophenol	5	U	Pentachlorophenol	11	U
4-Chloro-3-methylphenol	11	U	Phenol	5	U
2,4-Dichlorophenol	5	U	2,4,5-Trichlorophenol	5	U
2,4-Dimethylphenol	5	U	2,4,6-Trichlorophenol	5	U
2,4-dinitrophenol	5	U	Benzoic Acid	11	U
4,6-Dinitro-2-methylphenol	5	U	2-Methylphenol	5	U
2-Nitrophenol	5	U	3+4-Methylphenol	5	U
2,6-Dichlorophenol	5	U	Benzyl Alcohol	5	U
4-Nitrophenol	5	U	2,3,4,6-Tetrachlorophenol	5	U

Acid Surrogate Standard Recovery

2-Fluorophenol	52 %	d5-Phenol	35 %	2,4,6-Tribromophenol	98 %

BASE NEUTRAL COMPOUND	Quantitation Limit µg/L	Result µg/L	BASE NEUTRAL COMPOUND	Quantitation Limit µg/L	Result µg/L
1,2-Dichlorobenzene	2	U	Hexachlorobenzene	2	U
1,3-Dichlorobenzene	2	U	* Benzidine	22	U
1,4-Dichlorobenzene	2	U	3,3'-Dichlorobenzidine	22	U
2,4-Dinitrotoluene	2	U	Azobenzene	2	U
2,6-Dinitrotoluene	2	U	Bis(2-chloroethoxy)methane	2	U
Nitrobenzene	2	U	bis(2-chloroethyl) ether	2	U
Hexachlorobutadiene	2	U	bis(2-chloroisopropyl)ether	2	U
Dimethyl Phthalate	2	U	4-bromophenyl phenyl ether	2	U
Di-n-butyl phthalate	2	U	Butyl benzyl phthalate	2	U
di-n-octyl-phthalate	2	U	4-Chlorophenyl phenyl ether	2	U
Bis (2-ethylhexyl) phthalate	2	U	Diethyl Phthalate	2	U
1,2,4-Trichlorobenzene	2	U	Hexachlorocyclopentadiene	2	U

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

Authorized signature

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Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100

March 28, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London Site 7

Project Number: CTO1042

Field Sample ID: NSB-NLON-SITE7-GW-01

SAMPLE DATA

Lab Sample ID: 56080-1
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.1
Collection Date: 03/22/06
Lab Receipt Date: 03/22/06
Extraction Date: 03/24/06
Analysis Date: 03/28/06

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

BASE NEUTRAL COMPOUND	Quantitation Limit µg/L	Result µg/L	BASE NEUTRAL COMPOUND	Quantitation Limit µg/L	Result µg/L
Acenaphthene	2	U	N-nitrosodimethylamine	2	U
Acenaphthylene	2	U	N-nitroso-di-n-propylamine	2	U
Anthracene	2	U	n-nitrosodiphenylamine	2	U
Benzo[a]anthracene	2	U	Pyridine	2	U
Benzo[a] pyrene	2	U	2-Methylnaphthalene	2	U
Benzo[b] fluoranthene	2	U	2-Chloronaphthalene	2	U
Benzo[k] fluoranthene	2	U	Naphthalene	2	U
Benzo(g,h,i) perylene	2	U	Phenanthrene	2	U
Chrysene	2	U	Dibenzofuran	2	U
Dibenz [a,h] anthracene	2	U	Aniline	2	U
Fluoranthene	2	U	4-Chloroaniline	2	U
Fluorene	2	U	2-Nitroaniline	2	U
Indeno [1,2,3-cd] pyrene	2	U	3-Nitroaniline	2	U
Pyrene	2	U	4-Nitroaniline	2	U
Hexachloroethane	2	U	Carbazole	2	U
Isophorone	2	U			

Base Neutral Surrogate Standard Recovery

2-Fluorobiphenyl	69	%	d5-nitrobenzene	75	%	d14-p-terphenyl	52	%

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: *Due to the reactive nature of this compound, the Benzidine quantitation limit is estimated.

Authorized signature

analytics environmental laboratory LLC

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March 28, 2006

SAMPLE DATA

CLIENT SAMPLE ID

Project Name:	Subbase New London Site 7
Project Number:	CTO1042
Field Sample ID:	NSB-NLON-SITE7-GW-01

Lab Sample ID:	56080-1
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1.1
Collection Date:	03/22/06
Lab Receipt Date:	03/22/06
Extraction Date:	03/23/06
Analysis Date:	03/24/06

ANALYTICAL RESULTS

DIESEL RANGE ORGANICS (C10-C28)

Result	Units	Quantitation Limit
U	µg/L	55

Surrogate Standard Recovery

m-Terphenyl	108	%

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

METHODOLOGY: Aqueous samples prepared by Separatory Funnel Liquid/Liquid Extraction, "Test Methods for Evaluating Solid Waste," Method 3510C; other matrices prepared by Pressurized Fluid Extraction, "Test Methods for Evaluating Solid Waste," Method 3545.

All matrices analyzed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8100"

COMMENTS:

8100

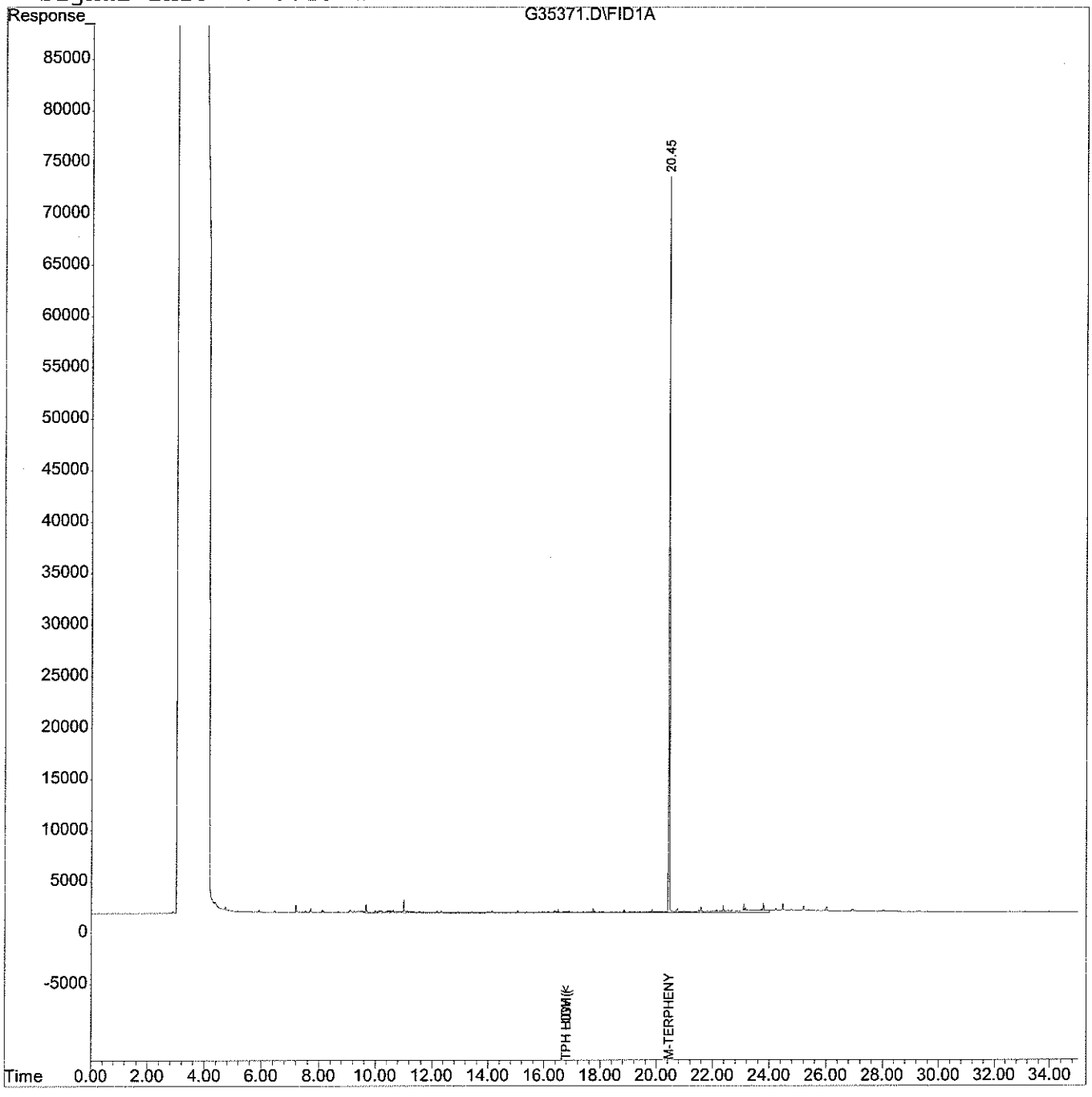
Authorized signature

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\2\DATA\032406-G\G35371.D Vial: 14
Acq On : 24 Mar 2006 2:34 pm Operator:
Sample : 56080-1 Inst : Instr. G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Mar 27 8:35 2006 Quant Results File: T03066A.RES

Quant Method : C:\HPCHEM\2\METHODS\T03066A.M (Chemstation Integrator)
Title : DRO
Last Update : Tue Mar 07 10:49:37 2006
Response via : Multiple Level Calibration
DataAcq Meth : TPHEPH1.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

March 31, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London Site 7
Project Number: CTO1042
Client Sample ID: NSB-NLON-SITE7-GW-01

SAMPLE DATA

Lab Sample ID: 56080-1
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1
Collection Date: 03/22/06
Lab Receipt Date: 03/22/06
Analysis Date: 03/31/06

ANALYTICAL RESULTS TOTAL GASOLINE

Result	Units	Detection Limit
U	µg/L	10

Surrogate Standard Recovery

Trifluorotoluene	87%

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

METHODOLOGY: Sample analysis conducted according to: Test Methods for Evaluating Solid Waste, Method 8015B .

COMMENTS:

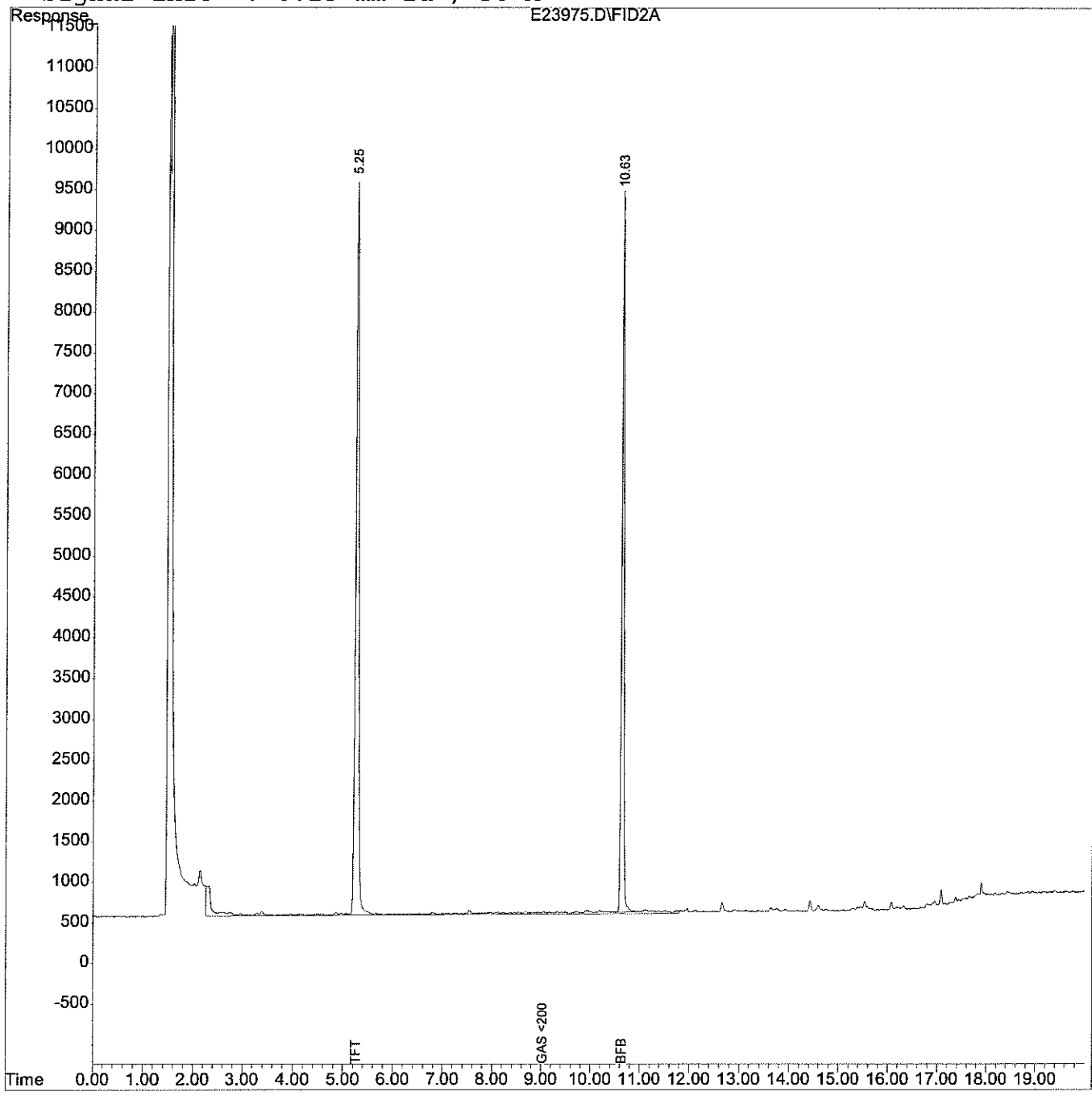
Authorized signature Melissa Hall

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\033006-E\E23975.D Vial: 9
Acq On : 31 Mar 2006 5:36 am Operator:
Sample : 56080-1 Inst : Instrumen
Misc : 5000 Multiplr: 1.00
IntFile : GLO.E
Quant Time: Mar 31 8:25 2006 Quant Results File: GAS01276.RES

Quant Method : C:\HPCHEM\1\METHODS\GAS01276.M (Chemstation Integrator)
Title : GAS
Last Update : Sat Jan 28 00:04:55 2006
Response via : Multiple Level Calibration
DataAcq Meth : GRO.M

Volume Inj. : Purge & Trap
Signal Phase : DB-502.2
Signal Info : 0.25 mm id , 30 M



analytics environmental laboratory LLC

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

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

March 28, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London Site 7

Project Number: CTO1042

Field Sample ID: NSB-NLON-SITE7-GW-01

SAMPLE DATA

Lab Sample ID: 56080-1
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.1
Collection Date: 03/22/06
Lab Receipt Date: 03/22/06
Extraction Date: 03/24/06
Analysis Date: 03/24/06

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/L	Results µg/L
PCB-1016	0.2	U
PCB-1221	0.2	U
PCB-1232	0.2	U
PCB-1242	0.2	U
PCB-1248	0.2	U
PCB-1254	0.2	U
PCB-1260	0.2	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	95	%
Decachlorobiphenyl	66	%

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

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS:

Authorized signature

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800-929-9906

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

March 27, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London Site 7
Project Number: CTO1042
Client Sample ID: NSB-NLON-SITE7-GW-01

SAMPLE DATA

Lab Sample ID: 56080-1
Matrix: Aqueous
Collection Date: 03/22/06 Time Collected: 13:00
Lab Receipt Date: 03/22/06
Analysis Date: 03/23/06 Time Analyzed: 13:30

pH ANALYSIS

Sample	Result	Units
56080-1	**6.9**	pH Units

METHODOLOGY: Sample analyzed according to "EPA SW 846 Method 9040 pH in water"

COMMENTS:

Authorized signature Melissa Tall

analytics environmental laboratory LLC

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Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

March 27, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London Site
Project Number: CTO1042
Client Sample ID: NSB-NLON-SITE7-GW-01

SAMPLE DATA

Lab Sample ID: 56080-1
Matrix: Aqueous
Collection Date: 03/22/06 13:00
Lab Receipt Date: 03/22/06
Analysis Date: 03/23/06

Flash Point Analysis

Sample	Result	Units
56080-1	>165	° Fahrenheit

METHODOLOGY: Sample analysis was conducted according to "Test Methods for Evaluating Solid Waste, EPA SW-846, Method 1010."

COMMENTS:

Authorized signature Melissa Tull

analytics environmental laboratory LLC

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Portsmouth, New Hampshire 03801
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800-929-9906

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

March 24, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London Site
Project Number: CTO1042
Client Sample ID: NSB-NLON-SITE7-GW-01

SAMPLE DATA

Lab Sample ID: 56080-1
Matrix: Aqueous
Percent Solid N/A
Collection Date: 03/22/06 13:00
Lab Receipt Date: 03/22/06
Analysis Date: 03/23/06

REACTIVITY

	Result	Units	Detection Limit	Dilution Factor
Sulfide Reactivity	U	mg/L	10	1
Cyanide Reactivity	U	mg/L	10	1

U denotes undetected

METHODOLOGY: As of July 2005 EPA has withdrawn these methods from Test Methods for Evaluating Solid Waste ,SW-856. Sulfide reactivity analysis by Modified Method 7.3.4.2. and Cyanide reactivity analysis Cyanide by Modified Method 7.3.3.2."

Note: In July 2005 EPA withdrew the above reactivity methods from "Test Methods for Evaluating Solid Waste, SW-846". These methoods are being analyzed to satisfy requirements for permit-holders only.

COMMENTS:

Authorized signature

ANALYTICAL REPORT

Job Number: 680-15001-1

SDG Number:

Job Description: Analytics

For:
Analytics Environmental Laboratory, LLC
195 Commerce Way
Suite E
Portsmouth, NH 03801

Attention: Mr. Stephen Knollmeyer

Bernard Kirkland
Project Manager I
bkirkland@stl-inc.com
03/29/2006

Project Manager: Bernard Kirkland

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the STL Project Manager who signed this report.

METHOD SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15001-1
Sdg Number:

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Inductively Coupled Plasma - Atomic Emission Spectrometry	STL-SAV	SW846 6010B	
Acid Digestion of Aqueous Samples and Extracts	STL-SAV		SW846 3010A
Mercury in Liquid Waste (Manual Cold Vapor Technique)	STL-SAV	SW846 7470A	
Mercury in Liquid Waste (Manual Cold Vapor	STL-SAV		SW846 7470A

LAB REFERENCES:

STL-SAV = STL-Savannah

METHOD REFERENCES:

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15001-1
Sdg Number:

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-15001-1	NSB-NLON-SITE7-GW-01	Water	03/22/2006 1300	03/25/2006 0930

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15001-1
Sdg Number:

Client Sample ID: NSB-NLON-SITE7-GW-01

Lab Sample ID:	680-15001-1	Date Sampled:	03/22/2006 1300
Client Matrix:	Water	Date Received:	03/25/2006 0930

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 680-40319		Instrument ID:	ICP/AES
Preparation:	3010A	Prep Batch: 680-40148		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	03/29/2006 1230			Final Weight/Volume:	50 mL
Date Prepared:	03/28/2006 1120				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	5.2	U	5.2	20
Barium	110		1.2	10
Cadmium	1.0	U	1.0	5.0
Chromium	7.5	J B	0.95	10
Lead	61		3.5	10
Selenium	5.4	U	5.4	20
Silver	1.0	U	1.0	10

7470A Mercury in Liquid Waste (Manual Cold Vapor Technique)

Method:	7470A	Analysis Batch: 680-40293		Instrument ID:	LEEMAN1
Preparation:	7470A	Prep Batch: 680-40134		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	03/29/2006 0923			Final Weight/Volume:	50 mL
Date Prepared:	03/28/2006 0951				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.40		0.080	0.20

DATA REPORTING QUALIFIERS

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15001-1
Sdg Number:

Lab Section	Qualifier	Description
Metals		
	U	Analyte was not detected at or above the reporting limit.
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15001-1
Sdg Number:

Method Blank - Batch: 680-40148

Method: 6010B
Preparation: 3010A

Lab Sample ID: MB 680-40148/8-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/29/2006 1221
Date Prepared: 03/28/2006 1120

Analysis Batch: 680-40319
Prep Batch: 680-40148
Units: ug/L

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Arsenic	5.2	U	5.2	20
Barium	1.2	U	1.2	10
Cadmium	1.0	U	1.0	5.0
Chromium	0.95	U	0.95	10
Lead	3.5	U	3.5	10
Selenium	5.4	U	5.4	20
Silver	1.0	U	1.0	10

Laboratory Control Sample - Batch: 680-40148

Method: 6010B
Preparation: 3010A

Lab Sample ID: LCS 680-40148/9-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/29/2006 1225
Date Prepared: 03/28/2006 1120

Analysis Batch: 680-40319
Prep Batch: 680-40148
Units: ug/L

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	2000	1900	96	75 - 125	
Barium	2000	2000	101	75 - 125	
Cadmium	50.0	48	96	75 - 125	
Chromium	200	200	98	75 - 125	
Lead	500	480	96	75 - 125	
Selenium	2000	1800	92	75 - 125	
Silver	50.0	49	98	75 - 125	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15001-1
Sdg Number:

Method Blank - Batch: 680-40134

Method: 7470A
Preparation: 7470A

Lab Sample ID: MB 680-40134/16-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/28/2006 1755
Date Prepared: 03/28/2006 0951

Analysis Batch: 680-40293
Prep Batch: 680-40134
Units: ug/L

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	0.080	U	0.080	0.20

Laboratory Control Sample - Batch: 680-40134

Method: 7470A
Preparation: 7470A

Lab Sample ID: LCS 680-40134/17-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/28/2006 1758
Date Prepared: 03/28/2006 0951

Analysis Batch: 680-40293
Prep Batch: 680-40134
Units: ug/L

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	2.50	2.4	94	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

SIL

Chain Of Custody Form

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 2, 10/25/04

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C _____
3) Received in good condition Y or N
4) pH checked by: _____
5) Labels checked by: _____

Project#: CTO 1042 Proj. Name: Subbase New London Site 7

Company: ANALYTICS Environmental Laboratory LLC

Contact: Stephen Knollmeyer

Address: 195 COMMERCE WAY
PORTSMOUTH, NH 03801

Phone: 603-436-5111 PO# Quote #

Sampler (Signature): Paul W. Anderson

Matrix Key:
WW=Wastewater
SW=Surfacewater
GW=Groundwater
DW=Drinkingwater
S=Soil/Sludge
O=Oil
E=Extract
X=Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Preservation: Unpres	4°C	HNO_3	H_2SO_4	HCl	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
NSB-NLON-SITE7-GW-01	3-22-06	1300	RCRA Metals		X	X					GW	1	P		56080-1
			~~TCLP Metals RCRA~~								~~E~~	~~1~~	~~P~~		~~-2~~
															03406

TEMP.: 2.8

60-15001

Email RESULTS? YES NO
Email sknollmeyer@analyticslab.com
Fax RESULTS? YES NO
Fax# 603-430-2151

Comments / Instructions:
Please reference Station ID number and AEL Lab number on report(s).

Level IV QC
~~QC~~ DOD QSM
DPM 3/23/06

Turnaround Request
Standard ☐ Due Date _____
Priority ☒ Due Date ~~3/30/06~~ 03/28/06 AM
DPM 3/23/06

Page ___ of ___

Relinquished By Sampler:	Date:	Time:	Received By:
Relinquished By:	Date: 3-24-06	Time: 16:30	Received By: UPS
Relinquished By:	Date: 3/24/06	Time: 9:30	Received By: D. Slaughter

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Fax (603) 430-2151

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Samples were:
1) Shipped or hand-delivered
2) Temp blank °C _____
3) Received in good condition Y or N
4) pH checked by: _____
5) Labels checked by: _____

Project#: CTO 1042 Proj. Name: Subbase New London Site 7

Company: ANALYTICS Environmental Laboratory LLC

Contact: Stephen Knollmeyer

Address: 195 COMMERCE WAY
PORTSMOUTH, NH 03801

Phone: 603-436-5111 PO# Quote #

Sampler (Signature): Paul W. Anderson

Matrix Key:
WW=Wastewater
SW=Surfacewater
GW=Groundwater
DW=Drinkingwater
S=Soil/Sludge
O=Oil
E=Extract
X=Other

Container Key
P=plastic G=glass

Preservation

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4°C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
NSB-NLON-SITE7-GW-01	3-22-06	1300	RCRA Metals		X	X					GW	1	P		56080-1
			~~TCLP Metals RCRA~~								~~E~~	~~1~~	~~P~~		~~-2~~
															3-24-06

TEMP.: 2.8

60-15001

Email RESULTS? YES NO
Email sknollmeyer@analyticslab.com
Fax RESULTS? YES NO
Fax# 603-430-2151

Comments / Instructions:
Please reference Station ID number and AEL Lab number on report(s).

Level IV QC
~~QC~~ DODQSM
DPM 3/23/06

Turnaround Request

Standard ☐ Due Date _____

Priority ☒ Due Date AM ~~3/30/06~~ 03/28/06 DPM 3/23/06

Page____ of____

Received By: | Received By: UPS | Received By: [signature]

Time: | Time: 16:30 | Time: 9:30

Date: | Date: 3-24-06 | Date: 3/25/06

Relinquished By Sampler: | Relinquished By: [signature] | Relinquished By:

Analytics\AEL Documents\AEL C

SEVERN TRENT STL

ANALYTICAL REPORT

Job Number: 680-15071-1

Job Description: CTO1042 - Subbase New London Site 7

For:
Analytics Environmental Laboratory, LLC
195 Commerce Way
Suite E
Portsmouth, NH 03801

Attention: Mr. Stephen Knollmeyer

Amy Bacon

Amy Bacon
Project Manager I
abacon@stl-inc.com
04/03/2006

Project Manager: Bernard Kirkland

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ACCREDITED IN ACCORDANCE WITH nelac

METHOD SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15071-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Total Organic Carbon, Combustion or Oxidation	STL-SAV	MCAWW 415.1	

LAB REFERENCES:

STL-SAV = STL-Savannah

METHOD REFERENCES:

MCAWW - "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SAMPLE SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15071-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-15071-1	NSB-NLON-Site 7-GW-01	Water	03/22/2006 1300	03/29/2006 0930

General Chemistry

Client Sample ID: **NSB-NLON-Site 7-GW-01**

Lab Sample ID: 680-15071-1
Client Matrix: Water

Date Sampled: 03/22/2006 1300
Date Received: 03/29/2006 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	4.8		mg/L	0.50	1.0	1.0	415.1
	Anly Batch: 680-40518	Date Analyzed	03/30/2006 0951				

DATA REPORTING QUALIFIERS

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15071-1

Lab Section	Qualifier	Description
General Chemistry		
	U	Analyte was not detected at or above the reporting limit.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15071-1

Method Blank - Batch: 680-40518

Method: 415.1
Preparation: N/A

Lab Sample ID: MB 680-40518/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/30/2006 0951
Date Prepared: N/A

Analysis Batch: 680-40518
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 10 mL

Analyte	Result	Qual	MDL	RL
Total Organic Carbon	0.50	U	0.50	1.0

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 680-40518

Method: 415.1
Preparation: N/A

LCS Lab Sample ID: LCS 680-40518/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/30/2006 0951
Date Prepared: N/A

Analysis Batch: 680-40518
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 680-40518/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/30/2006 0951
Date Prepared: N/A

Analysis Batch: 680-40518
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Organic Carbon	105	104	80 - 120	1	25		

Calculations are performed before rounding to avoid round-off errors in calculated results.

SR 6A

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Phone (603) 436-5111
Fax (603) 430-2151

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Samples were:
1) Shipped or hand-delivered
2) Temp blank °C _____
3) Received in good condition Y or N
4) pH checked by: _____
5) Labels checked by: _____

Project#: CTO1042 Proj. Name: Subbase NewLondon Site7

Company: ANALYTICS Environmental Laboratory LLC

Contact: Stephen Knollmeyer

Address: 195 COMMERCE WAY
PORTSMOUTH, NH 03801

Phone: 603-436-5111 PO# Quote #

Sampler (Signature):

Matrix Key:
WW=Wastewater
SW=Surfacewater
GW=Groundwater
DW=Drinkingwater
S=Soil/Sludge
O=Oil
E=Extract
X=Other

Container Key
P=plastic G=glass

Preservation

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4°C	HNO3	H2SO4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
NSB-NLON-Site7-GW-01	3/22/06	13:00	TOC		X		X				GW				560850-1

Email RESULTS? YES NO
Email sknollmeyer@analyticslab.com
Fax RESULTS? YES NO
Fax# 603-430-2151

Comments / Instructions:
Please reference Station ID number and AEL Lab number on report(s).

TEMP.: 2.8°C
680-15071

Turnaround Request
Standard ☐ Due Date _____
Priority ☒ Due Date _____

Page 1 of 1

Analytics\AEL Documents\AEL COC

	Received By:	Received By:	Received By:
Time:		1730	0930
Date:		3.28.06	3/29/06
Relinquished By Sampler:		Relinquished By:	Relinquished By:

Page 7 of 7

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For Analytics Use Only Rev. 2, 10/25/04

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 4
3) Received in good condition Y or N
4) pH checked by: N/A
5) Labels checked by: MH 3/24/06

Project#: CTO 1042 Proj. Name: Subbase New London Site 7
Company: TEECi
Contact: Rick Woodworth
Address:
Phone: PO# Quote #
Sampler (Signature): Paul W. Anderson

Matrix Key: WW=Wastewater, SW=Surfacewater, GW=Groundwater, DW=Drinkingwater, S=Soil/Sludge, O=Oil, E=Extract, X=Other

Container Key: P=plastic G=glass

Preservation: Unpres, 4°C, HNO3, H2SO4, HCL, Methanol, Other

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4°C	HNO3	H2SO4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
NSB-NLON-SITE7-GW-01	3-22-06	1300	Flashpoint	X	X						GW	2	G		56080 -1
			Total RCRA 8	X	X	X						1	P		-1
			TPH 8100	X	X			X				1	G		-1
			Total SVOC	X	X							1	G		-1
			Total PCB	X	X							1	G		-1
			TOC		X		X					3	G		-1
			Full TCLP	X	X							3	G		-2 3.23.06
			PH/Reactivity	X	X							1	P		-1
			TCLP VOC	X	X							4	G		-2 3.23.06
			Total VOC		X			X				4	G		-1
Trip Blanks	3-20-06		VOC		X			X			40 ml H2O	2	G		-2 3.23.06

Email RESULTS? YES NO
Email
Fax RESULTS? YES NO
Fax#

Comments / Instructions:

5 DAY TAT

mj 3/23/06 Trip Blank not present in the cooler. Paul Anderson was notified. Per Rick Woodworth @ TEEC - Run only totals NO TCLP

Turnaround Request

Standard ☐ Due Date
Priority ☐ Due Date

Page 1 of 1

Received By: | Time: 1600 | Date: 3-22-06 | Relinquished By Sampler: Paul W. Anderson

Received By: | Time: | Date: | Relinquished By:

Received By: | Time: | Date: | Relinquished By:

ANALYTICS SAMPLE RECEIPT CHECKLIST

analytics environmental laboratory LLC

AEL LAB#: 560080 COOLER NUMBER: _____

CLIENT: Tetra Tech NUMBER OF COOLERS: 1

PROJECT: Subbase Groton Site 7 DATE RECEIVED: 3/22/06

A: PRELIMINARY EXAMINATION: DATE COOLER OPENED: 3/22/06

1. Cooler received by(initials) Date Received: 3/22/06
2. Did cooler come with a shipping slip? Y (N)

If YES, enter carrier name and airbill number here: _____

3. Were custody seals on the outside of cooler? How many & where: _____ Seal Date: _____ Seal Name: _____	Y	N
4. Did the custody seals arrive unbroken and intact upon arrival?	Y	N
5. COC#: _____		
6. Were Custody papers filled out properly (ink,signed, etc)?	(Y)	N
7. Were custody papers sealed in a plastic bag?	(Y)	N
8. Did you sign the COC in the appropriate place?	(Y)	N
9. Was the project identifiable from the COC papers?	(Y)	N
10. Was enough ice used to chill the cooler? (Y) N Temp. of cooler: 4°C		

B. Log-In: Date samples were logged in: 3/22/06 By: DPM

11. Type of packing in cooler(bubble wrap, popcorn)	(Y)	N
12. Were all bottles sealed in separate plastic bags?	(Y)	N
13. Did all bottles arrive unbroken and were labels in good condition?	Y	(N) 1 of 2 bottles flash point cap broken; contents spilled DPM 3/22/0
14. Were all bottle labels complete(ID,Date,time,etc.)	(Y)	N
15. Did all bottle labels agree with custody papers?	(Y)	N
16. Were the correct containers used for the tests indicated:	(Y)	N
17. Were samples received at the correct pH?	(Y)	N
18. Was sufficient amount of sample sent for the tests indicated?	(Y)	N
19. Were bubbles absent in VOA samples?	(Y)	N

If NO, List sample #'s: _____

20. Laboratory labeling verified by (initials): MJ Date: 3-23-06

analytics environmental laboratory LLC

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

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

Report Number: 56081

Revision: Rev. 0

Re: Subbase New London Site 7 **CTO1042**

Enclosed are the results of the analyses on your sample(s). Samples were received on 22 March 2006 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
56081-1	03/22/06	NSB-NLON-SITE7-WC-SL-02	Cyanide Reactivity	
	03/22/06	NSB-NLON-SITE7-WC-SL-02	EPA 1010 Flashpoint	
	03/22/06	NSB-NLON-SITE7-WC-SL-02	EPA 8015 - Gasoline	
	03/22/06	NSB-NLON-SITE7-WC-SL-02	EPA 8082 (PCBs only)	
	03/22/06	NSB-NLON-SITE7-WC-SL-02	EPA 8100 - TPH	
	03/22/06	NSB-NLON-SITE7-WC-SL-02	EPA 8260 Volatile Organics	
	03/22/06	NSB-NLON-SITE7-WC-SL-02	EPA 8270 Acid/Base Neutrals	
	03/22/06	NSB-NLON-SITE7-WC-SL-02	EPA 9095 Paint Filter Liquids Test	
	03/22/06	NSB-NLON-SITE7-WC-SL-02	RCRA Metals	
	03/22/06	NSB-NLON-SITE7-WC-SL-02	Sulfide Reactivity	
	03/22/06	NSB-NLON-SITE7-WC-SL-02	SW-846 9045 pH in Solid	
	03/22/06	NSB-NLON-SITE7-WC-SL-02	Total Organic Carbon in Solid Matrices	
56081-2	03/22/06	NSB-NLON-SITE7-WC-SL-02	EPA 8081(TCLP Pesticides)	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, North Carolina, New York, Virginia, Pennsylvania and is validated by the U.S. Army Corps of Engineers (MRD) and U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 03/31/06

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Re: Subbase New London Site 7 **CTO1042**

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Lab Number	Sample Date	Station Location	Analysis	Comments
	03/22/06	NSB-NLON-SITE7-WC-SL-02	EPA 8151(TCLP Herbicides)	
	03/22/06	NSB-NLON-SITE7-WC-SL-02	EPA 8260 (TCLP Volatile Organics)	
	03/22/06	NSB-NLON-SITE7-WC-SL-02	EPA 8270 (TCLP Semivolatiles)	
	03/22/06	NSB-NLON-SITE7-WC-SL-02	TCLP Extraction	
	03/22/06	NSB-NLON-SITE7-WC-SL-02	TCLP RCRA Metals	
	03/22/06	NSB-NLON-SITE7-WC-SL-02	TCLP Zero Headspace Extraction	

Sample Receipt Exceptions: None

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If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature Melissa Mulli for
Stephen L. Knollmeyer Lab. Director

Date 03/31/06

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March 27, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London Site 7

Project Number: CTO1042

Field Sample ID: NSB-NLON-SITE7-WC-SL-02

SAMPLE DATA

Lab Sample ID: 56081-1
Matrix: Solid
Percent Solid: 92
Dilution Factor: 113
Collection Date: 03/22/06
Lab Receipt Date: 03/22/06
Analysis Date: 03/23/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	113	U	1,3-Dichloropropane	113	U
Bromobenzene	113	U	cis-1,3-Dichloropropene	113	U
Bromochloromethane	113	U	trans-1,3-Dichloropropene	113	U
Bromodichloromethane	85	U	2,2-Dichloropropane	113	U
Bromoform	85	U	1,1-Dichloropropene	113	U
Bromomethane	113	U	Ethylbenzene	113	U
n-butylbenzene	113	U	Hexachlorobutadiene	113	U
sec-butylbenzene	113	U	Isopropylbenzene	113	U
tert-butylbenzene	113	U	p-isopropyltoluene	113	U
Carbon Tetrachloride	113	U	Methylene Chloride	565	U
Chlorobenzene	113	U	Methyl-tert-butyl ether (MTBE)	113	U
Chloroethane	113	U	Naphthalene	113	U
Chloroform	85	U	n-Propylbenzene	113	U
Chloromethane	113	U	Styrene	113	U
2-Chlorotoluene	113	U	1,1,1,2-Tetrachloroethane	113	U
4-Chlorotoluene	113	U	1,1,2,2-Tetrachloroethane	85	U
Dibromochloromethane	85	U	Tetrachloroethene	113	U
1,2-Dibromo-3-chloropropane	113	U	Toluene	113	U
1,2-Dibromoethane	85	U	1,2,3-Trichlorobenzene	113	U
Dibromomethane	113	U	1,2,4-Trichlorobenzene	113	U
1,2-Dichlorobenzene	113	U	1,1,1-Trichloroethane	113	U
1,3-Dichlorobenzene	113	U	1,1,2-Trichloroethane	85	U
1,4-Dichlorobenzene	113	U	Trichloroethene	113	U
Dichlorodifluoromethane	113	U	Trichlorofluoromethane	113	U
1,1-Dichloroethane	113	U	1,2,3-Trichloropropane	113	U
1,2-Dichloroethane	85	U	1,2,4-Trimethylbenzene	113	U
1,1-Dichloroethene	85	U	1,3,5-Trimethylbenzene	113	U
cis-1,2-Dichloroethene	113	U	Vinyl Chloride	113	U
trans-1,2-Dichloroethene	113	U	o-Xylene	113	U
1,2-Dichloropropane	85	U	m,p-Xylene	113	**66 J**
Acetone	1130	U	Diethyl ether	113	U
Carbon Disulfide	113	U	2-Hexanone	1130	U
Tetrahydrofuran	565	U	Methyl isobutyl ketone	1130	U
Methyl ethyl ketone	1130	U	Di-isopropyl ether (DIPE)	113	U
t-Butyl alcohol (TBA)	2260	U	Ethyl t-butyl ether (ETBE)	113	U
t-Amyl methyl ether (TAME)	113	U			

Surrogate Standard Recovery

Dibromofluoromethane	90	%	d4-1,2-Dichloroethane	89	%	d8-Toluene	88	% Bromofluorobenzene	93 %

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

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

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

8260 full (4)

Authorized signature

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March 28, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London Site 7

Project Number: CTO1042

Field Sample ID: NSB-NLON-SITE7-WC-SL-02

SAMPLE DATA

Lab Sample ID: 56081-1
Matrix: Solid
Percent Solid: 92
Dilution Factor: 1.1
Collection Date: 03/22/06
Lab Receipt Date: 03/22/06
Extraction Date: 03/23/06
Analysis Date: 03/24/06

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg	ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg
2-Chlorophenol	270	U	Pentachlorophenol	270	U
4-Chloro-3-methylphenol	270	U	Phenol	270	U
2,4-Dichlorophenol	270	U	2,4,5-Trichlorophenol	270	U
2,4-Dimethylphenol	270	U	2,4,6-Trichlorophenol	270	U
2,4-dinitrophenol	270	U	Benzoic Acid	270	U
4,6-Dinitro-2-methylphenol	270	U	2-Methylphenol	270	U
2-Nitrophenol	270	U	3+4-Methylphenol	270	U
2,6-Dichlorophenol	270	U	Benzyl Alcohol	270	U
4-Nitrophenol	270	U	2,3,4,6-Tetrachlorophenol	270	U

Acid Surrogate Standard Recovery

2-Fluorophenol	65 %	d5-Phenol	79 %	2,4,6-Tribromophenol	92 %

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
1,2-Dichlorobenzene	270	U	Hexachlorobenzene	270	U
1,3-Dichlorobenzene	270	U	* Benzidine	270	U
1,4-Dichlorobenzene	270	U	3,3'-Dichlorobenzidine	270	U
2,4-Dinitrotoluene	270	U	Azobenzene	270	U
2,6-Dinitrotoluene	270	U	Bis(2-chloroethoxy)methane	270	U
Nitrobenzene	270	U	bis(2-chloroethyl) ether	270	U
Hexachlorobutadiene	270	U	bis(2-chloroisopropyl)ether	270	U
Dimethyl Phthalate	270	U	4-bromophenyl phenyl ether	270	U
Di-n-butyl phthalate	270	U	Butyl benzyl phthalate	270	U
di-n-octyl-phthalate	270	U	4-Chlorophenyl phenyl ether	270	U
Bis (2-ethylhexyl) phthalate	270	U	Diethyl Phthalate	270	U
1,2,4-Trichlorobenzene	270	U	Hexachlorocyclopentadiene	270	U

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

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8270/625 layout

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March 28, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London Site 7

Project Number: CTO1042

Field Sample ID: NSB-NLON-SITE7-WC-SL-02

SAMPLE DATA

Lab Sample ID: 56081-1
Matrix: Solid
Percent Solid: 92
Dilution Factor: 1.1
Collection Date: 03/22/06
Lab Receipt Date: 03/22/06
Extraction Date: 03/23/06
Analysis Date: 03/24/06

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Acenaphthene	270	**179 J**	N-nitrosodimethylamine	270	U
Acenaphthylene	270	U	N-nitroso-di-n-propylamine	270	U
Anthracene	270	**395**	n-nitrosodiphenylamine	270	U
Benzo[a]anthracene	270	**822**	Pyridine	270	U
Benzo[a] pyrene	270	**739**	2-Methylnaphthalene	270	U
Benzo[b] fluoranthene	270	**912**	2-Chloronaphthalene	270	U
Benzo[k] fluoranthene	270	**753**	Naphthalene	270	U
Benzo(g,h,i) perylene	270	U	Phenanthrene	270	**1680**
Chrysene	270	**863**	Dibenzofuran	270	U
Dibenz [a,h] anthracene	270	U	Aniline	270	U
Fluoranthene	270	**1930**	4-Chloroaniline	270	U
Fluorene	270	**153 J**	2-Nitroaniline	270	U
Indeno [1,2,3-cd] pyrene	270	U	3-Nitroaniline	270	U
Pyrene	270	**1510**	4-Nitroaniline	270	U
Hexachloroethane	270	U	Carbazole	270	**134 J**
Isophorone	270	U			

Base Neutral Surrogate Standard Recovery

2-Fluorobiphenyl	84	%	d5-nitrobenzene	78	%	d14-p-terphenyl	76 %

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: *Due to the reactive nature of this compound, the Benzidine quantitation limit is estimated.
Results are expressed on a dry weight basis. Sample did not meet acceptance criteria for several compounds in the MS/MSD.
The laboratory control samples are in control.

8270/625 layout

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March 28, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London Site 7

Project Number: CTO1042

Field Sample ID: NSB-NLON-SITE7-WC-SL-02

SAMPLE DATA

Lab Sample ID: 56081-1
Matrix: Solid
Percent Solid: 92
Dilution Factor: 1.0
Collection Date: 03/22/06
Lab Receipt Date: 03/22/06
Extraction Date: 03/27/06
Analysis Date: 03/27/06

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	15	U
PCB-1221	15	U
PCB-1232	15	U
PCB-1242	15	U
PCB-1248	15	U
PCB-1254	15	U
PCB-1260	15	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	92	%
Decachlorobiphenyl	80	%

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

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

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March 28, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London Site 7

Project Number: CTO1042

Field Sample ID: NSB-NLON-SITE7-WC-SL-02

SAMPLE DATA

Lab Sample ID: 56081-1
Matrix: Solid
Percent Solid: 92
Dilution Factor: 1.1
Collection Date: 03/22/06
Lab Receipt Date: 03/22/06
Extraction Date: 03/23/06
Analysis Date: 03/23/06

ANALYTICAL RESULTS

DIESEL RANGE ORGANICS (C10-C28)

Result	Units	Quantitation Limit
30	mg/kg	6

Surrogate Standard Recovery

m-Terphenyl	94	%

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

METHODOLOGY: Aqueous samples prepared by Separatory Funnel Liquid/Liquid Extraction, "Test Methods for Evaluating Solid Waste," Method 3510C; other matrices prepared by Pressurized Fluid Extraction, "Test Methods for Evaluating Solid Waste," Method 3545.

All matrices analyzed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8100"

COMMENTS: Results are expressed on a dry weight basis.

8100

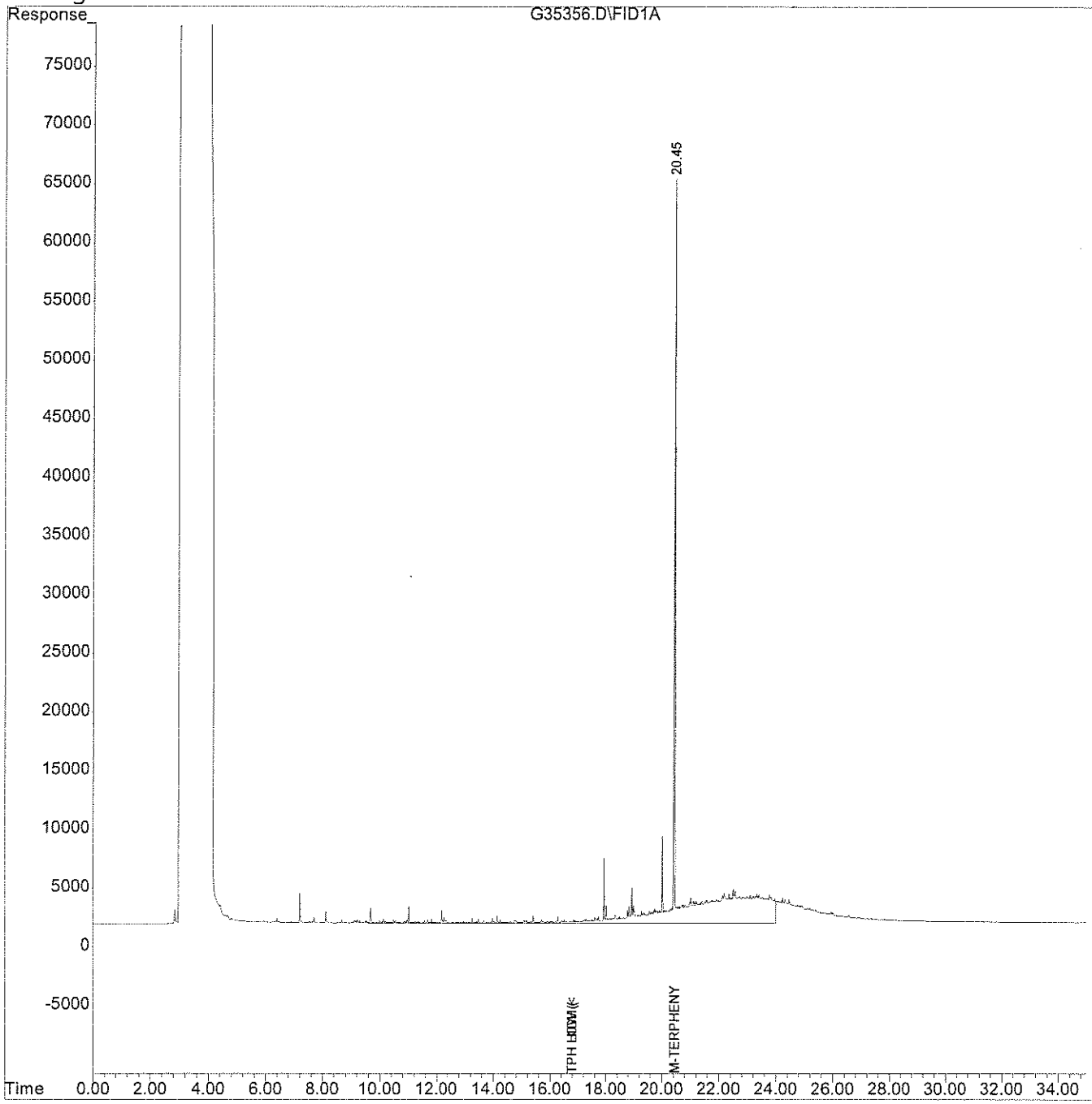
Authorized signature

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\2\DATA\032206-G\G35356.D Vial: 16
Acq On : 23 Mar 2006 9:19 pm Operator:
Sample : 56081-1 Inst : Instr. G
Misc : SOIL Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Mar 24 8:32 2006 Quant Results File: T03066A.RES

Quant Method : C:\HPCHEM\2\METHODS\T03066A.M (Chemstation Integrator)
Title : DRO
Last Update : Tue Mar 07 10:49:37 2006
Response via : Multiple Level Calibration
DataAcq Meth : TPHEPH1.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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March 31, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London Site 7
Project Number: CTO1042
Client Sample ID: NSB-NLON-SITE7-WC-SL-02

SAMPLE DATA

Lab Sample ID: 56081-1
Matrix: Solid
Percent Solid: 92%
Dilution Factor: 52
Collection Date: 03/22/06
Lab Receipt Date: 03/22/06
Analysis Date: 03/31/06

ANALYTICAL RESULTS TOTAL GASOLINE

Result	Units	Detection Limit
25400	µg/kg	1131

Surrogate Standard Recovery

Trifluorotoluene	98%

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

METHODOLOGY: Sample analysis conducted according to: Test Methods for Evaluating Solid Waste, Method 8015B .

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

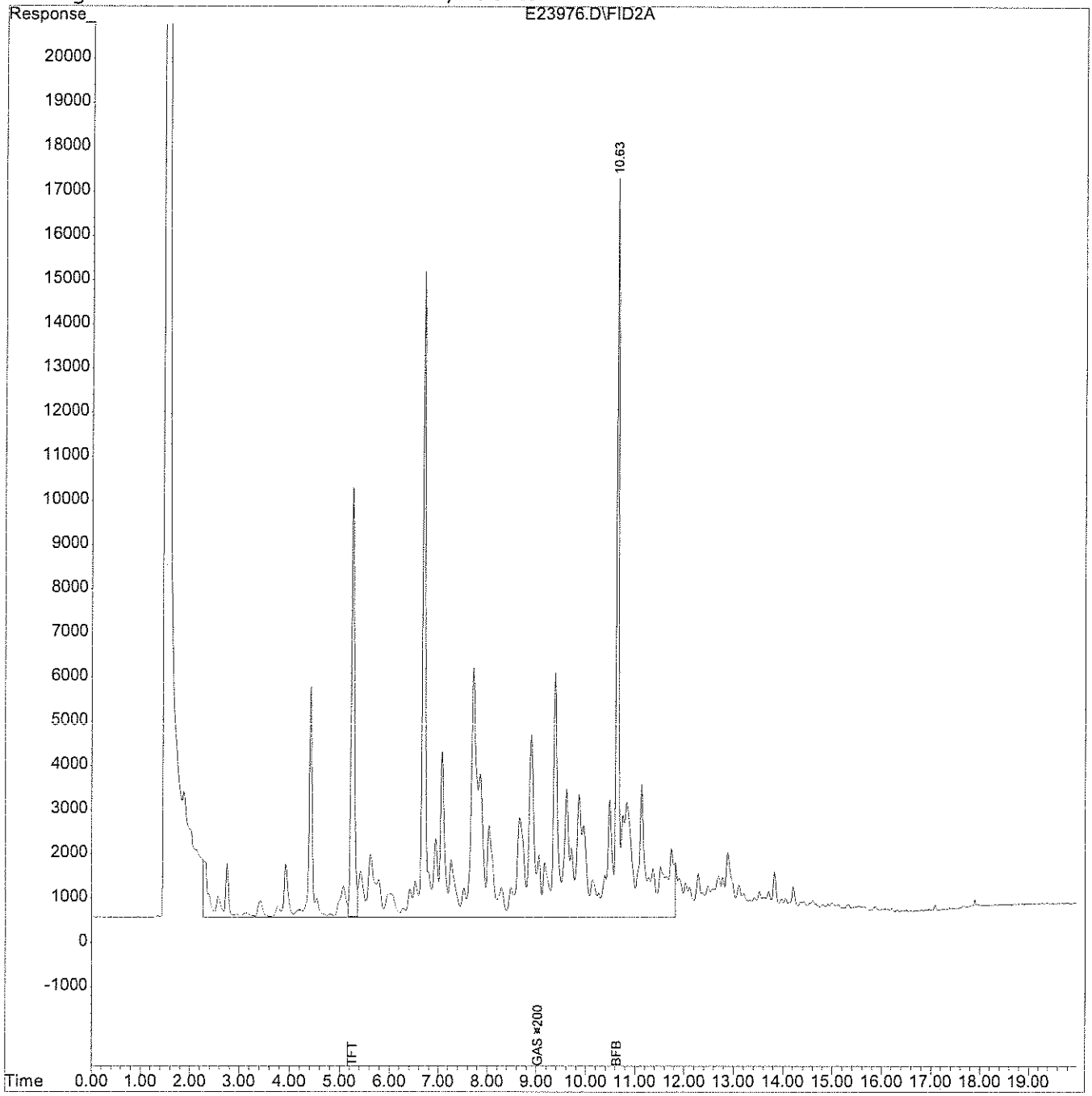
Authorized signature Melissa Tall

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\033006-E\E23976.D Vial: 10
Acq On : 31 Mar 2006 6:05 am Operator:
Sample : 56081-1 Inst : Instrumen
Misc : 100,4.80,SOIL Multiplr: 1.00
IntFile : GLO.E
Quant Time: Mar 31 8:25 2006 Quant Results File: GAS01276.RES

Quant Method : C:\HPCHEM\1\METHODS\GAS01276.M (Chemstation Integrator)
Title : GAS
Last Update : Sat Jan 28 00:04:55 2006
Response via : Multiple Level Calibration
DataAcq Meth : GRO.M

Volume Inj. : Purge & Trap
Signal Phase : DB-502.2
Signal Info : 0.25 mm id , 30 M



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March 27, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London Site 7
Project Number: CTO1042
Client Sample ID: NSB-NLON-SITE7-WC-SL-02

SAMPLE DATA

Lab Sample ID: 56081-1
Matrix: Solid
Collection Date: 03/22/06 Time Collected: 14:00
Lab Receipt Date: 03/22/06
Analysis Date: 03/23/06 Time Analyzed: 13:40

pH ANALYSIS

Sample	Result	Units
56081-1	**7.5**	pH Units

METHODOLOGY: Sample analyzed according to "EPA SW 846 Method 9045 pH in solid"

COMMENTS: **Results are expressed on a dry weight basis.**

Authorized signature Melissa Tell

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March 27, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London Site
Project Number: CTO1042
Client Sample ID: NSB-NLON-SITE7-WC-SL-02

SAMPLE DATA

Lab Sample ID: 56081-1
Matrix: Solid
Collection Date: 03/22/06 14:00
Lab Receipt Date: 03/22/06
Analysis Date: 03/23/06

Flash Point Analysis

Sample	Result	Units
56081-1	>165	° Fahrenheit

METHODOLOGY: Sample analysis was conducted according to "Test Methods for Evaluating Solid Waste, EPA SW-846, Method 1010."

COMMENTS: **Results are expressed on a dry weight basis.**

Authorized signature

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March 24, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London Site
Project Number: CTO1042
Client Sample ID: NSB-NLON-SITE7-WC-SL-02

SAMPLE DATA

Lab Sample ID: 56081-1
Matrix: Solid
Percent Solid 92%
Collection Date: 03/22/06 14:00
Lab Receipt Date: 03/22/06
Analysis Date: 03/23/06

REACTIVITY

	Result	Units	Detection Limit	Dilution Factor
Sulfide Reactivity	U	mg/kg	11	1
Cyanide Reactivity	U	mg/kg	11	1

U denotes undetected

METHODOLOGY: As of July 2005 EPA has withdrawn these methods from Test Methods for Evaluating Solid Waste ,SW-856. Sulfide reactivity analysis by Modified Method 7.3.4.2. and Cyanide reactivity analysis Cyanide by Modified Method 7.3.3.2."

Note: In July 2005 EPA withdrew the above reactivity methods from "Test Methods for Evaluating Solid Waste, SW-846". These methoods are being analyzed to satisfy requirements for permit-holders only.

COMMENTS: **Results are expressed on a dry weight basis.**

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March 24, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London Site
Project Number: CTO1042
Client Sample ID: NSB-NLON-SITE7-WC-SL-02

SAMPLE DATA

Lab Sample ID: 56081-1
Matrix: Solid
Collection Date: 03/22/06
Lab Receipt Date: 03/22/06
Analysis Date: 03/23/06

PAINT FILTER LIQUIDS TEST

Sample	Result
56081-1	**No Free Liquids**

METHODOLOGY: Sample was analyzed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 9095"

COMMENTS:

Authorized signature Melissa Tuttle

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March 28, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London Site 7

Project Number: CTO1042

Field Sample ID: NSB-NLON-SITE7-WC-SL-02

SAMPLE DATA

Lab Sample ID:	56081-2
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	100
Collection Date:	03/22/06
Lab Receipt Date:	03/22/06
TCLP Extraction Date:	03/23/06
Analysis Date:	03/24/06

ANALYTICAL RESULTS
TCLP VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	Regulatory Limit µg/L	Matrix Spike Percent Recovery
Vinyl chloride	200	U	200	105
Trichloroethene	200	U	500	93
Tetrachloroethene	200	U	700	91
Chloroform	200	U	6,000	96
Carbon tetrachloride	200	U	500	125
1,1-Dichloroethene	200	U	700	99
1,2-Dichloroethane	200	U	500	90
Chlorobenzene	200	U	100,000	102
Benzene	200	U	500	103
Methyl ethyl ketone	1000	U	200,000	100

Surrogate Standard Recovery

Dibromofluoromethane	94 %	d4-1,2-Dichloroethane	95 %	d8-Toluene	96 %	Bromofluorobenzene	98 %

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

METHODOLOGY: TCLP sample extraction was performed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 1311." TCLP extract analysis was conducted according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8260B."

COMMENTS:

Authorized signature

analytics environmental laboratory LLC

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

March 28, 2006

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100

CLIENT SAMPLE ID

Project Name: Subbase New London Site 7

Project Number: CTO1042

Field Sample ID: NSB-NLON-SITE7-WC-SL-02

SAMPLE DATA

Lab Sample ID:	56081-2
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	5.0
Collection Date:	03/22/06
Lab Receipt Date:	03/22/06
TCLP Extraction Date:	03/23/06
Preparative Extraction Date:	03/24/06
Analysis Date:	03/28/06

ANALYTICAL RESULTS TCLP SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	Regulatory Limit µg/L	Matrix Spike Percent Recovery
2-Methylphenol	25	U	200,000	57
3+4-Methylphenol	25	U	200,000	55
1,4-Dichlorobenzene	10	U	7,500	50
2,4-Dinitrotoluene	10	U	130	96
Hexachlorobenzene	10	U	130	94
Hexachlorobutadiene	10	U	500	47
Hexachloroethane	10	U	3,000	38
Nitrobenzene	10	U	2,000	83
Pentachlorophenol	50	U	100,000	81
Pyridine	10	U	5,000	48
2,4,5-Trichlorophenol	25	U	400,000	90
2,4,6-Trichlorophenol	25	U	2,000	85

Surrogate Standard Recovery

2-Fluorophenol	50 %	d5-Phenol	31 %	d5-nitrobenzene	86 %
2-Fluorobiphenyl	71 %	2,4,6-Tribromophenol	94 %	d14-p-terphenyl	82 %

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

METHODOLOGY: TCLP sample extraction was performed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 1311." TCLP extract analysis was conducted according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8270c."

COMMENTS:

Authorized signature

analytics environmental laboratory LLC

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

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

March 28, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London Site 7

Project Number: CTO1042

Field Sample ID: NSB-NLON-SITE7-WC-SL-02

SAMPLE DATA

Lab Sample ID:	56081-2
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	4.0
Collection Date:	03/22/06
Lab Receipt Date:	03/22/06
TCLP Extraction Date:	03/23/06
Extraction Date:	03/24/06
Analysis Date:	03/24/06

TCLP ORGANOCHLORINE PESTICIDE RESULTS

COMPOUND	Quantitation Limit µg/L	Results µg/L	Regulatory Limit µg/L	Matrix Spike Percent Recovery
Chlordane	8	U	30	94
Endrin	8	U	20	120
Heptachlor	8	U	8	112
Heptachlor Epoxide	8	U	8	97
Lindane	8	U	400	97
Methoyxchlor	8	U	10,000	96
Toxaphene	8	U	500	90

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	84	%
Decachlorobiphenyl	85	%

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

METHODOLOGY: TCLP sample extraction was performed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 1311." TCLP extract analysis was conducted according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8081."

COMMENTS:

Authorized signature

analytics environmental laboratory LLC

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

March 28, 2006

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

CLIENT SAMPLE ID

Project Name:	Subbase New London Site 7
Project Number:	CTO1042
Client Sample ID:	NSB-NLON-SITE7-WC-SL-02

SAMPLE DATA

Lab Sample ID:	56081-2
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	5
Collection Date:	03/22/06
Lab Receipt Date:	03/22/06
TCLP Extraction Date:	03/23/06
Extraction Date:	03/24/06
Analysis Date:	03/24/06

TCLP CHLORINATED HERBICIDE RESULTS

COMPOUND	Quantitation Limit µg/L	Results µg/L	Regulatory Limit µg/L	Matrix Spike Percent Recovery
2,4-D	5	U	10,000	76%
2,4,5-TP (Silvex)	5	U	1,000	85%

Surrogate Standard Recovery

2,4-Dichlorophenylacetic acid 87 %

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

METHODOLOGY: TCLP sample extraction was performed according to Test Methods for Evaluating Solid Waste, SW-846 Method 1311. TCLP extract analysis was conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8151.

COMMENTS:

Authorized signature

SEVERN TRENT STL

ANALYTICAL REPORT

Job Number: 680-15002-1

SDG Number:

Job Description: CTO1042 - Subbase New London Site 7

For:
Analytics Environmental Laboratory, LLC
195 Commerce Way
Suite E
Portsmouth, NH 03801

Attention: Mr. Stephen Knollmeyer

Kathryn Smith

Kathryn Smith
Project Manager I
kesmith@stl-inc.com
03/30/2006

Project Manager: Bernard Kirkland

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the STL Project Manager who signed this report.

METHOD SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15002-1
Sdg Number:

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Inductively Coupled Plasma - Atomic Emission Spectrometry	STL-SAV	SW846 6010B	
Toxicity Characteristic Leaching Procedure	STL-SAV		SW846 1311
Acid Digestion of Aqueous Samples and Extracts	STL-SAV		SW846 3010A
Acid Digestion of Sediments, Sludges, and Soils	STL-SAV		SW846 3050B
Mercury in Liquid Waste (Manual Cold Vapor Technique)	STL-SAV	SW846 7470A	
Toxicity Characteristic Leaching Procedure	STL-SAV		SW846 1311
Mercury in Liquid Waste (Manual Cold Vapor	STL-SAV		SW846 7470A
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	STL-SAV	SW846 7471A	
Mercury in Solid or Semi-Solid Waste (Manual	STL-SAV		SW846 7471A
Percent Moisture	STL-SAV	EPA 160.3	

LAB REFERENCES:

STL-SAV = STL-Savannah

METHOD REFERENCES:

EPA - US Environmental Protection Agency

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15002-1
Sdg Number:

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-15002-1	56081-1	Solid	03/22/2006 1400	03/25/2006 0930
680-15002-2	56081-2	Solid	03/22/2006 1400	03/25/2006 0930

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15002-1
Sdg Number:

Client Sample ID: 56081-1

Lab Sample ID: 680-15002-1
Client Matrix: Solid % Moisture: 7.2

Date Sampled: 03/22/2006 1400
Date Received: 03/25/2006 0930

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 03/29/2006 1314
Date Prepared: 03/28/2006 0932

Analysis Batch: 680-40314
Prep Batch: 680-40124

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 1.06 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		0.73	J	0.68	2.5
Barium		88		0.31	1.0
Cadmium		0.22	U	0.22	0.76
Chromium		10		0.13	1.0
Selenium		0.92	U	0.92	3.1
Silver		0.10	U	0.10	1.0

Method: 6010B
Preparation: 3050B
Dilution: 2.0
Date Analyzed: 03/29/2006 1408
Date Prepared: 03/28/2006 0932

Analysis Batch: 680-40314
Prep Batch: 680-40124

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 1.06 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Lead		50		0.43	1.5

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 03/29/2006 1644
Date Prepared: 03/29/2006 1413

Analysis Batch: 680-40352
Prep Batch: 680-40306

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 1.06 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.028		0.0041	0.020

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15002-1
Sdg Number:

Client Sample ID: 56081-2

Lab Sample ID: 680-15002-2
Client Matrix: Solid

Date Sampled: 03/22/2006 1400
Date Received: 03/25/2006 0930

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-TCLP

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 03/29/2006 1158
Date Prepared: 03/28/2006 1110

Analysis Batch: 680-40315
Prep Batch: 680-40156

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 5 mL
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.052	U	0.052	0.20
Barium		0.53	J B	0.012	1.0
Cadmium		0.010	U	0.010	0.10
Chromium		0.0095	U	0.0095	0.20
Lead		0.32		0.035	0.20
Selenium		0.054	U	0.054	0.50
Silver		0.010	U	0.010	0.10

7470A Mercury in Liquid Waste (Manual Cold Vapor Technique)-TCLP

Method: 7470A
Preparation: 7470A
Dilution: 1.0
Date Analyzed: 03/29/2006 1147
Date Prepared: 03/28/2006 1147

Analysis Batch: 680-40291
Prep Batch: 680-40151

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 0.50 mL
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		0.0080	U	0.0080	0.020

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15002-1
Sdg Number:

General Chemistry

Client Sample ID: **56081-1**

Lab Sample ID: 680-15002-1
Client Matrix: Solid

Date Sampled: 03/22/2006 1400
Date Received: 03/25/2006 0930

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	7.2		%	1.0	1.0	160.3
	Anly Batch: 680-40066	Date Analyzed	03/27/2006 1529			
Percent Solids	93		%	1.0	1.0	160.3
	Anly Batch: 680-40066	Date Analyzed	03/27/2006 1529			

DATA REPORTING QUALIFIERS

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15002-1
Sdg Number:

Lab Section	Qualifier	Description
Metals		
	U	Analyte was not detected at or above the reporting limit.
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15002-1
Sdg Number:

Method Blank - Batch: 680-40124

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 680-40124/15-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/29/2006 1305
Date Prepared: 03/28/2006 0932

Analysis Batch: 680-40314
Prep Batch: 680-40124
Units: mg/Kg

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Arsenic	0.67	U	0.67	2.5
Barium	0.30	U	0.30	1.0
Cadmium	0.22	U	0.22	0.75
Chromium	0.13	U	0.13	1.0
Lead	0.34	J	0.21	0.75
Selenium	0.90	U	0.90	3.0
Silver	0.099	U	0.099	1.0

Laboratory Control Sample - Batch: 680-40124

Method: 6010B
Preparation: 3050B

Lab Sample ID: LCS 680-40124/16-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/29/2006 1309
Date Prepared: 03/28/2006 0932

Analysis Batch: 680-40314
Prep Batch: 680-40124
Units: mg/Kg

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	200	170	87	75 - 125	
Barium	200	190	94	75 - 125	
Cadmium	5.00	4.3	86	75 - 125	
Chromium	20.0	18	91	75 - 125	
Lead	50.0	44	88	75 - 125	
Selenium	200	170	83	75 - 125	
Silver	5.00	4.5	90	75 - 125	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15002-1
Sdg Number:

Method Blank - Batch: 680-40156

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID: MB 680-40156/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/29/2006 1149
Date Prepared: 03/28/2006 1110

Analysis Batch: 680-40315
Prep Batch: 680-40156
Units: mg/L

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 5 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Arsenic	0.052	U	0.052	0.20
Barium	0.83	J	0.012	1.0
Cadmium	0.010	U	0.010	0.10
Chromium	0.0095	U	0.0095	0.20
Lead	0.035	U	0.035	0.20
Selenium	0.054	U	0.054	0.50
Silver	0.010	U	0.010	0.10

Laboratory Control Sample - Batch: 680-40156

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID: LCS 680-40156/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/29/2006 1153
Date Prepared: 03/28/2006 1110

Analysis Batch: 680-40315
Prep Batch: 680-40156
Units: mg/L

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 5 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	20.0	20	98	75 - 125	
Barium	20.0	21	105	75 - 125	
Cadmium	0.500	0.49	97	75 - 125	
Chromium	2.00	2.0	100	75 - 125	
Lead	5.00	5.0	99	75 - 125	
Selenium	20.0	19	95	75 - 125	
Silver	0.500	0.50	101	75 - 125	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15002-1
Sdg Number:

Method Blank - Batch: 680-40151

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID: MB 680-40151/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/29/2006 1141
Date Prepared: 03/28/2006 1147

Analysis Batch: 680-40291
Prep Batch: 680-40151
Units: mg/L

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 0.50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	0.0080	U	0.0080	0.020

Laboratory Control Sample - Batch: 680-40151

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID: LCS 680-40151/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/29/2006 1143
Date Prepared: 03/28/2006 1147

Analysis Batch: 680-40291
Prep Batch: 680-40151
Units: mg/L

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 0.50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.250	0.25	99	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15002-1
Sdg Number:

Method Blank - Batch: 680-40306

Method: 7471A
Preparation: 7471A

Lab Sample ID: MB 680-40306/4-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/29/2006 1639
Date Prepared: 03/29/2006 1413

Analysis Batch: 680-40352
Prep Batch: 680-40306
Units: mg/Kg

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	0.0040	U	0.0040	0.020

Laboratory Control Sample - Batch: 680-40306

Method: 7471A
Preparation: 7471A

Lab Sample ID: LCS 680-40306/5-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/29/2006 1641
Date Prepared: 03/29/2006 1413

Analysis Batch: 680-40352
Prep Batch: 680-40306
Units: mg/Kg

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.125	0.13	102	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-40306

Method: 7471A
Preparation: 7471A

MS Lab Sample ID: 680-15002-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/29/2006 1653
Date Prepared: 03/29/2006 1413

Analysis Batch: 680-40352
Prep Batch: 680-40306

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 1.06 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 680-15002-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/29/2006 1655
Date Prepared: 03/29/2006 1413

Analysis Batch: 680-40352
Prep Batch: 680-40306

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 1.06 g
Final Weight/Volume: 50 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	111	107	80 - 120	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

STL

Chain Of Custody Form

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 2, 10/25/04

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C _____
3) Received in good condition Y or N
4) pH checked by: _____
5) Labels checked by: _____

Project#: CTO 1402 Proj. Name: Subbase New London Site 7
Company: ANALYTICS Environmental Laboratory LLC
Contact: Stephen Knollmeyer
Address: 195 COMMERCE WAY
PORTSMOUTH, NH 03801
Phone: 603-436-5111 PO# Quote #
Sampler (Signature): Paul W. Cinderson

Matrix Key:
WW=Wastewater
SW=Surfacewater
GW=Groundwater
DW=Drinkingwater
S=Soil/Sludge
O=Oil
E=Extract
X=Other

Container Key
P=plastic G=glass

Preservation

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4° C	HNO3	H2SO4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
NSB-NLON-SITE7-WC-SL-02	3/22/06	1400	RCRA Metals	X	X						S	1	G		56081-1
			TCLP Metals RCRA								E	1	P		-2
TCLP Blank															

TEMP.: 2.8
680-15002

Email RESULTS? YES NO
Email sknollmeyer@analyticslab.com
Fax RESULTS? YES NO
Fax# 603-430-2151

Comments / Instructions:
Please reference Station ID number and AEL Lab number on report(s).
Level IV QC
DOD QSM
3.24.06 - Please analyze TCLP Blank provided.

Turnaround Request
Standard ☐ Due Date
Priority ☒ Due Date AEL 3/28/06 03/28/06

Page 1 of 1

Analytics\AEL Documents\AEL COC Dmm 3/23/06

Relinquished By Sampler:	Received By:	Time:	Date:
Relinquished By: Paul Marshall	Received By: UPS	Time: 16:30	Date: 3.24.06
Relinquished By:	Received By:	Time: 9:30	Date: 3/25/06

STL

Chain Of Custody Form

analytics environmental laboratory LLC
195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 2, 10/25/04

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C _____
3) Received in good condition Y or N
4) pH checked by: _____
5) Labels checked by: _____

Project#: CTO 1402 Proj. Name: Subbase New London Site 7
Company: ANALYTICS Environmental Laboratory LLC
Contact: Stephen Knollmeyer
Address: 195 COMMERCE WAY
PORTSMOUTH, NH 03801
Phone: 603-436-5111 PO# Quote #
Sampler (Signature): Paul W. Anderson

Matrix Key:
WW=Wastewater
SW=Surfacewater
GW=Groundwater
DW=Drinkingwater
S=Soil/Sludge
O=Oil
E=Extract
X=Other

Container Key
P=plastic G=glass

Preservation: Unpres | 4°C | HNO3 | H2SO4 | HCL | Methanol | Other

Station Identification	Sample Date	Sample Time	Analysis	Matrix	Container number/type		pH	Analytics Sample #
NSB-NLON-SITE7-WC-SL-02	3/22/06	1400	RCRA Metals	S	1	G		56081-1
			TCLP Metals RCRA	E	1	P		-2
ICCP Blank								

TEMP.: 2.8

680-15002

Email RESULTS? YES NO
Email sknollmeyer@analyticslab.com
Fax RESULTS? YES NO
Fax# 603-430-2151

Turnaround Request
Standard ☐ Due Date _____
Priority ☒ Due Date 3/30/06 AM 03/28/06

Comments / Instructions:
Please reference Station ID number and AEL Lab number on report(s).
Level IV QC
DOD QSM
3.24.06 Please analyze TCLP Blank provided

Page 1 of 1

Analytics\AEL Documents\AEL COC DDM 3/23/06

Relinquished By Sampler:	Received By:	Date:	Time:
Relinquished By:	Received By: UPS	Date: 3.24.06	Time: 16:30
Relinquished By:	Received By:	Date: 3/25/06	Time: 9:20

31/40

SEVERN TRENT STL

ANALYTICAL REPORT

Job Number: 680-15002-2

SDG Number:

Job Description: CTO1042 - Subbase New London Site 7

For:
Analytics Environmental Laboratory, LLC
195 Commerce Way
Suite E
Portsmouth, NH 03801

Attention: Mr. Stephen Knollmeyer

Amy Bacon

Amy Bacon
Project Manager I
abacon@stl-inc.com
04/03/2006

Project Manager: Bernard Kirkland

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the STL Project Manager who signed this report.

Severn Trent Laboratories, Inc.
STL Savannah 5102 LaRoche Avenue, Savannah, GA 31404
Tel (912) 354-7858 Fax (912) 351-3673 www.stl-inc.com

METHOD SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15002-2
Sdg Number:

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Total Organic Carbon	STL-SAV	SW846 9060	

LAB REFERENCES:

STL-SAV = STL-Savannah

METHOD REFERENCES:

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15002-2
Sdg Number:

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-15002-1	56081-1	Solid	03/22/2006 1400	03/25/2006 0930

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15002-2
Sdg Number:

General Chemistry

Client Sample ID: 56081-1

Lab Sample ID: 680-15002-1
Client Matrix: Solid

Date Sampled: 03/22/2006 1400
Date Received: 03/25/2006 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	9400		mg/Kg	390	1000	1.0	9060
	Anly Batch: 680-40506		Date Analyzed	03/30/2006 1340			DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15002-2
Sdg Number:

Lab Section	Qualifier	Description
General Chemistry		
	U	Analyte was not detected at or above the reporting limit.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15002-2
Sdg Number:

Method Blank - Batch: 680-40506

Method: 9060
Preparation: N/A

Lab Sample ID: MB 680-40506/1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/30/2006 1340
Date Prepared: N/A

Analysis Batch: 680-40506
Prep Batch: N/A
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mg
Final Weight/Volume:

Analyte	Result	Qual	MDL	RL
Total Organic Carbon	390	U	390	1000

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 680-40506

Method: 9060
Preparation: N/A

LCS Lab Sample ID: LCS 680-40506/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/30/2006 1340
Date Prepared: N/A

Analysis Batch: 680-40506
Prep Batch: N/A
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 20.4 mg
Final Weight/Volume:

LCSD Lab Sample ID: LCSD 680-40506/3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/30/2006 1340
Date Prepared: N/A

Analysis Batch: 680-40506
Prep Batch: N/A
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 20.4 mg
Final Weight/Volume:

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Organic Carbon	84	83	60 - 140	0	40		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15002-2
Sdg Number:

Matrix Duplicate - Batch: 680-40506

Method: 9060
Preparation: N/A

Lab Sample ID: 680-15002-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/30/2006 1340
Date Prepared: N/A

Analysis Batch: 680-40506
Prep Batch: N/A
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 93.2 mg
Final Weight/Volume:

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Organic Carbon	9400	9000	5	40	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Chain Of Custody Form

analytics environmental laboratory LLC
195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 2, 10/25/04

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 4
3) Received in good condition (Y) or N
4) pH checked by: N/A
5) Labels checked by: MM 3/22/06

Project#: CTO 1047 Proj. Name: Substace Newington Site 7
Company: TTECI
Contact: Rick Woodworth
Address:
Phone: PO# Quote #
Sampler (Signature): Paul W. Anderson

Matrix Key:
WW=Wastewater
SW=Surfacewater
GW=Groundwater
DW=Drinkingwater
S=Soil/Sludge
O=Oil
E=Extract
X=Other

Container Key
P=plastic G=glass

Preservation

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4° C	HNO3	H2SO4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
NSB-NLON-SITE7-WC-SL-02	3-22-06	1400	~~TPH~~ 8260 TOTAL VOC		X				X		S	1	G		56081-1
			%Solids	X	X						S	1	G		-1
			Flashpoint	X	X						S	2	G		-1
			TCLP VOC	X	X						S	1	G		2
			TOC	X	X						S	1	G		-1
			RCRA 8 Metals	X	X						S	1	G		-1
			Full TCLP	X	X						S	2	G		2
			PCB, Reactivity, pH/Corr	X	X						S	2	G		-1
			SVOC, TPH, Paint												

Received By: Time: 1600 Date: 3-22-06
Relinquished By Sampler: Paul W. Anderson

Email RESULTS? YES NO
Email
Fax RESULTS? YES NO
Fax#

Comments / Instructions:
This waste characterization sample is from the dig on the south side of B325.

Turnaround Request
Standard [5] Due Date
Priority [ ] Due Date

5-day turnaround
3/23/06 56081-1 matrix is a total VOC not a TPH per Paul Anderson @ TTECI

ANALYTICS SAMPLE RECEIPT CHECKLIST

analytics environmental laboratory LLC

AEL LAB#: 56081 | COOLER NUMBER: _____

CLIENT: Tetra Tech | NUMBER OF COOLERS: 1

PROJECT: CTO 104 | DATE RECEIVED: 3/22/06

A: PRELIMINARY EXAMINATION: | DATE COOLER OPENED: 3/22/06

1. Cooler received by(initials) | Date Received: 3/22/06
2. Did cooler come with a shipping slip? Y (N)

If YES, enter carrier name and airbill number here: _____

3. Were custody seals on the outside of cooler? How many & where: _____ Seal Date: _____ Seal Name: _____	Y	N
4. Did the custody seals arrive unbroken and intact upon arrival?	Y	N
5. COC#: _____		
6. Were Custody papers filled out properly (ink,signed, etc)?	(Y)	N
7. Were custody papers sealed in a plastic bag?	(Y)	N
8. Did you sign the COC in the appropriate place?	(Y)	N
9. Was the project identifiable from the COC papers?	(Y)	N
10. Was enough ice used to chill the cooler? (Y) N Temp. of cooler: 4°C		

B. Log-In: Date samples were logged in: 3/22/06 By: DPM

11. Type of packing in cooler(bubble wrap, popcorn)	(Y)	N
12. Were all bottles sealed in separate plastic bags?	(Y)	N
13. Did all bottles arrive unbroken and were labels in good condition?	(Y)	N
14. Were all bottle labels complete(ID,Date,time,etc.)	(Y)	N
15. Did all bottle labels agree with custody papers?	(Y)	N
16. Were the correct containers used for the tests indicated:	(Y)	N
17. Were samples received at the correct pH?	(Y)	N
18. Was sufficient amount of sample sent for the tests indicated?	(Y)	N
19. Were bubbles absent in VOA samples?	(Y)	N

If NO, List sample #'s: _____

20. Laboratory labeling verified by (initials): MV Date: 3/22/06

analytics environmental laboratory LLC

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Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

Report Number: 56112

Revision: Rev. 0

Re: Subbase Groton Site 7

Enclosed are the results of the analyses on your sample(s). Samples were received on 29 March 2006 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
56112-1	03/28/06	NSB-NLON-SITE7-WC-SL-03	Cyanide Reactivity	
	03/28/06	NSB-NLON-SITE7-WC-SL-03	EPA 1010 Flashpoint	
	03/28/06	NSB-NLON-SITE7-WC-SL-03	EPA 8015 - Gasoline	
	03/28/06	NSB-NLON-SITE7-WC-SL-03	EPA 8082 (PCBs only)	
	03/28/06	NSB-NLON-SITE7-WC-SL-03	EPA 8100 - TPH	
	03/28/06	NSB-NLON-SITE7-WC-SL-03	EPA 8260 Volatile Organics	
	03/28/06	NSB-NLON-SITE7-WC-SL-03	EPA 8270 Acid/Base Neutrals	
	03/28/06	NSB-NLON-SITE7-WC-SL-03	EPA 9095 Paint Filter Liquids Test	
	03/28/06	NSB-NLON-SITE7-WC-SL-03	RCRA Metals	
	03/28/06	NSB-NLON-SITE7-WC-SL-03	Sulfide Reactivity	
	03/28/06	NSB-NLON-SITE7-WC-SL-03	SW-846 9045 pH in Solid	
	03/28/06	NSB-NLON-SITE7-WC-SL-03	Total Organic Carbon in Solid Matrices	
56112-2	03/28/06	NSB-NLON-SITE7-WC-SL-03	EPA 8081(TCLP Pesticides)	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, North Carolina, New York, Virginia, Pennsylvania and is validated by the U.S. Army Corps of Engineers (MRD) and U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 04/05/06

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analytics environmental laboratory LLC

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820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

Report Number: 56112

Revision: Rev. 0

Re: Subbase Groton Site 7

Enclosed are the results of the analyses on your sample(s). Samples were received on 29 March 2006 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
	03/28/06	NSB-NLON-SITE7-WC-SL-03	EPA 8151(TCLP Herbicides)	
	03/28/06	NSB-NLON-SITE7-WC-SL-03	EPA 8260 (TCLP Volatile Organics)	
	03/28/06	NSB-NLON-SITE7-WC-SL-03	EPA 8270 (TCLP Semivolatiles)	
	03/28/06	NSB-NLON-SITE7-WC-SL-03	TCLP Extraction	
	03/28/06	NSB-NLON-SITE7-WC-SL-03	TCLP RCRA Metals	
	03/28/06	NSB-NLON-SITE7-WC-SL-03	TCLP Zero Headspace Extraction	

Sample Receipt Exceptions: None

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If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 04/05/06

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analytics environmental laboratory LLC

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Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

April 3, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number:

Field Sample ID: NSB-NLON-SITE7-WC-SL-03

SAMPLE DATA

Lab Sample ID: 56112-1
Matrix: Solid
Percent Solid: 91
Dilution Factor: 129
Collection Date: 03/28/06
Lab Receipt Date: 03/29/06
Analysis Date: 03/30/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	129	U	1,3-Dichloropropane	129	U
Bromobenzene	129	U	cis-1,3-Dichloropropene	129	U
Bromochloromethane	129	U	trans-1,3-Dichloropropene	129	U
Bromodichloromethane	97	U	2,2-Dichloropropane	129	U
Bromoform	97	U	1,1-Dichloropropene	129	U
Bromomethane	129	U	Ethylbenzene	129	U
n-butylbenzene	129	U	Hexachlorobutadiene	129	U
sec-butylbenzene	129	U	Isopropylbenzene	129	U
tert-butylbenzene	129	U	p-isopropyltoluene	129	U
Carbon Tetrachloride	129	U	Methylene Chloride	644	U
Chlorobenzene	129	U	Methyl-tert-butyl ether (MTBE)	129	U
Chloroethane	129	U	Naphthalene	129	U
Chloroform	97	U	n-Propylbenzene	129	U
Chloromethane	129	U	Styrene	129	U
2-Chlorotoluene	129	U	1,1,1,2-Tetrachloroethane	129	U
4-Chlorotoluene	129	U	1,1,2,2-Tetrachloroethane	97	U
Dibromochloromethane	97	U	Tetrachloroethene	129	U
1,2-Dibromo-3-chloropropane	129	U	Toluene	129	U
1,2-Dibromoethane	97	U	1,2,3-Trichlorobenzene	129	U
Dibromomethane	129	U	1,2,4-Trichlorobenzene	129	U
1,2-Dichlorobenzene	129	U	1,1,1-Trichloroethane	129	U
1,3-Dichlorobenzene	129	U	1,1,2-Trichloroethane	97	U
1,4-Dichlorobenzene	129	U	Trichloroethene	129	U
Dichlorodifluoromethane	129	U	Trichlorofluoromethane	129	U
1,1-Dichloroethane	129	U	1,2,3-Trichloropropane	129	U
1,2-Dichloroethane	97	U	1,2,4-Trimethylbenzene	129	U
1,1-Dichloroethene	97	U	1,3,5-Trimethylbenzene	129	U
cis-1,2-Dichloroethene	129	U	Vinyl Chloride	129	U
trans-1,2-Dichloroethene	129	U	o-Xylene	129	U
1,2-Dichloropropane	97	U	m,p-Xylene	129	U
Acetone	1290	U	Diethyl ether	129	U
Carbon Disulfide	129	U	2-Hexanone	1290	U
Tetrahydrofuran	644	U	Methyl isobutyl ketone	1290	U
Methyl ethyl ketone	1290	U	Di-isopropyl ether (DIPE)	129	U
t-Butyl alcohol (TBA)	2580	U	Ethyl t-butyl ether (ETBE)	129	U
t-Amyl methyl ether (TAME)	129	U			

Surrogate Standard Recovery

Dibromofluoromethane	75 %	d4-1,2-Dichloroethane	67 * %	d8-Toluene	75 %	Bromofluorobenzene	68 * %

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

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

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A. * Surrogate recoveries were outside the laboratory acceptance criteria. Sample was reanalyzed with similar results.

8260 full (4)

Authorized signature Milena Tull

Analytics environmental laboratory LLC

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Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100

April 5, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number:

Field Sample ID: NSB-NLON-SITE7-WC-SL-03

SAMPLE DATA

Lab Sample ID: 56112-1
Matrix: Solid
Percent Solid: 91
Dilution Factor: 1.1
Collection Date: 03/28/06
Lab Receipt Date: 03/29/06
Extraction Date: 03/30/06
Analysis Date: 04/05/06

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg	ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg
2-Chlorophenol	270	U	Pentachlorophenol	270	U
4-Chloro-3-methylphenol	270	U	Phenol	270	U
2,4-Dichlorophenol	270	U	2,4,5-Trichlorophenol	270	U
2,4-Dimethylphenol	270	U	2,4,6-Trichlorophenol	270	U
2,4-dinitrophenol	270	U	Benzoic Acid	270	U
4,6-Dinitro-2-methylphenol	270	U	2-Methylphenol	270	U
2-Nitrophenol	270	U	3+4-Methylphenol	270	U
2,6-Dichlorophenol	270	U	Benzyl Alcohol	270	U
4-Nitrophenol	270	U	2,3,4,6-Tetrachlorophenol	270	U

Acid Surrogate Standard Recovery

2-Fluorophenol	67 %	d5-Phenol	75 %	2,4,6-Tribromophenol	90 %

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
1,2-Dichlorobenzene	270	U	Hexachlorobenzene	270	U
1,3-Dichlorobenzene	270	U	* Benzidine	270	U
1,4-Dichlorobenzene	270	U	3,3'-Dichlorobenzidine	270	U
2,4-Dinitrotoluene	270	U	Azobenzene	270	U
2,6-Dinitrotoluene	270	U	Bis(2-chloroethoxy)methane	270	U
Nitrobenzene	270	U	bis(2-chloroethyl) ether	270	U
Hexachlorobutadiene	270	U	bis(2-chloroisopropyl)ether	270	U
Dimethyl Phthalate	270	U	4-bromophenyl phenyl ether	270	U
Di-n-butyl phthalate	270	U	Butyl benzyl phthalate	270	U
di-n-octyl-phthalate	270	U	4-Chlorophenyl phenyl ether	270	U
Bis (2-ethylhexyl) phthalate	270	U	Diethyl Phthalate	270	U
1,2,4-Trichlorobenzene	270	U	Hexachlorocyclopentadiene	270	U

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

Authorized signature Melissa Hall

8270/625 layout

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Mr. Rick Woodworth
Tetra Tech EC, Inc.
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820 Town Center Drive, Suite 100

April 5, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number:

Field Sample ID: NSB-NLON-SITE7-WC-SL-03

SAMPLE DATA

Lab Sample ID: 56112-1
Matrix: Solid
Percent Solid: 91
Dilution Factor: 1.1
Collection Date: 03/28/06
Lab Receipt Date: 03/29/06
Extraction Date: 03/30/06
Analysis Date: 04/05/06

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Acenaphthene	270	U	N-nitrosodimethylamine	270	U
Acenaphthylene	270	U	N-nitroso-di-n-propylamine	270	U
Anthracene	270	U	n-nitrosodiphenylamine	270	U
Benzo[a]anthracene	270	**180 J**	Pyridine	270	U
Benzo[a] pyrene	270	**182 J**	2-Methylnaphthalene	270	U
Benzo[b] fluoranthene	270	**145 J**	2-Chloronaphthalene	270	U
Benzo[k] fluoranthene	270	**141 J**	Naphthalene	270	U
Benzo(g,h,i) perylene	270	U	Phenanthrene	270	**263 J**
Chrysene	270	**185 J**	Dibenzofuran	270	U
Dibenz [a,h] anthracene	270	U	Aniline	270	U
Fluoranthene	270	**401**	4-Chloroaniline	270	U
Fluorene	270	U	2-Nitroaniline	270	U
Indeno [1,2,3-cd] pyrene	270	U	3-Nitroaniline	270	U
Pyrene	270	**354**	4-Nitroaniline	270	U
Hexachloroethane	270	U	Carbazole	270	U
Isophorone	270	U			

Base Neutral Surrogate Standard Recovery

2-Fluorobiphenyl	81	%	d5-nitrobenzene	70	%	d14-p-terphenyl	85 %

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: *Due to the reactive nature of this compound, the Benzidine quantitation limit is estimated.
Results are expressed on a dry weight basis.

8270/625 layout

Authorized signature Melissa Tall

analytics environmental laboratory LLC

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Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

April 5, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number:

Field Sample ID: NSB-NLON-SITE7-WC-SL-03

SAMPLE DATA

Lab Sample ID:	56112-1
Matrix:	Solid
Percent Solid:	91
Dilution Factor:	1.1
Collection Date:	03/28/06
Lab Receipt Date:	03/29/06
Extraction Date:	03/31/06
Analysis Date:	03/31/06

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	17	U
PCB-1221	17	U
PCB-1232	17	U
PCB-1242	17	U
PCB-1248	17	U
PCB-1254	17	U
PCB-1260	17	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	94	%
Decachlorobiphenyl	95	%

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

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

Authorized signature

analytics environmental laboratory LLC

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Mr. Rick Woodworth
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April 5, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7
Project Number:
Client Sample ID: NSB-NLON-SITE7-WC-SL-03

SAMPLE DATA

Lab Sample ID: 56112-1
Matrix: Solid
Percent Solid: 91%
Dilution Factor: 59
Collection Date: 03/28/06
Lab Receipt Date: 03/29/06
Analysis Date: 03/31/06

ANALYTICAL RESULTS TOTAL GASOLINE

Result	Units	Detection Limit
U	µg/kg	1288

Surrogate Standard Recovery

Trifluorotoluene	82%

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

METHODOLOGY: Sample analysis conducted according to: Test Methods for Evaluating Solid Waste, Method 8015B .

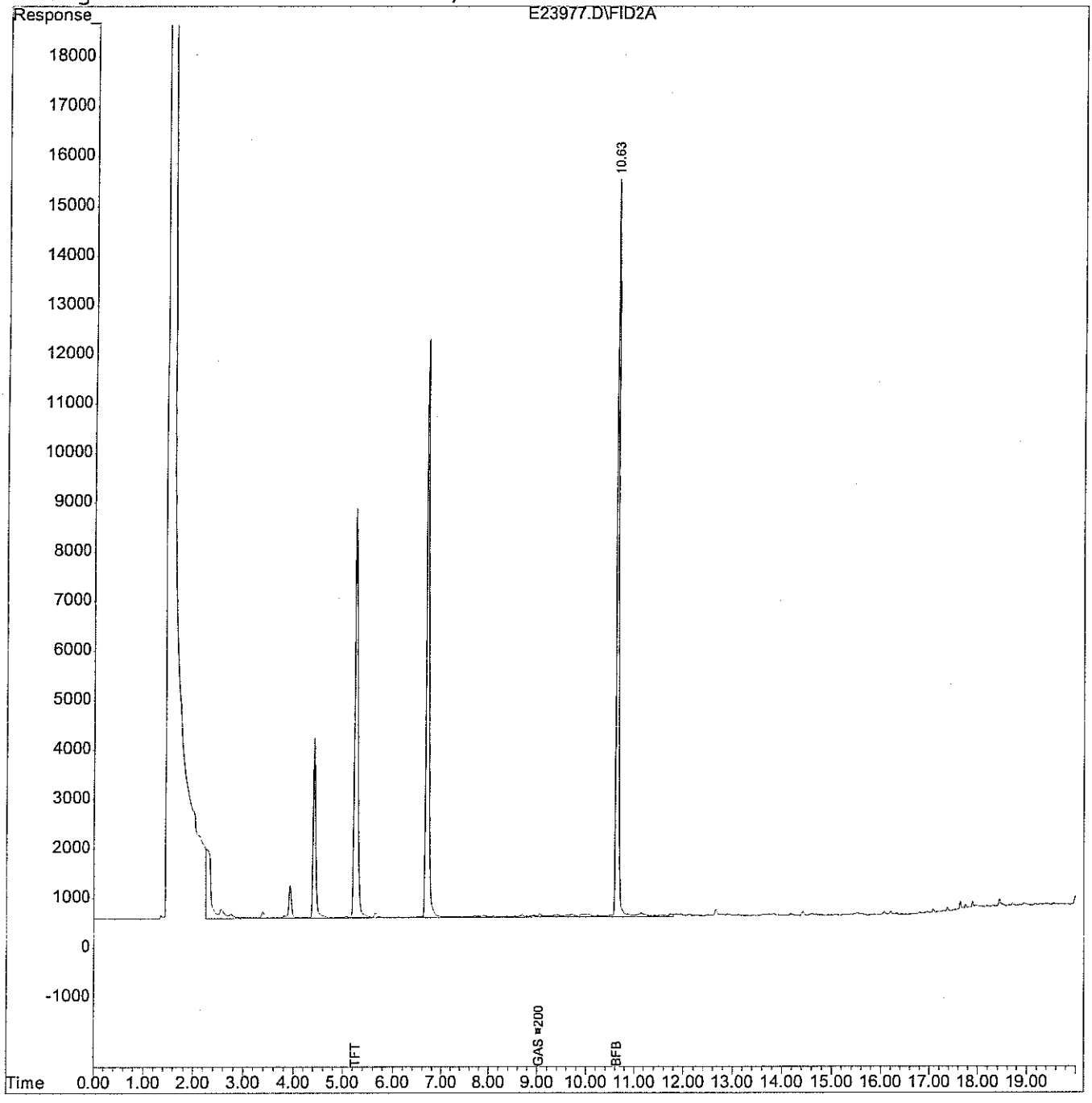
COMMENTS: **Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035.**

Authorized signature

Data File : C:\HPCHEM\1\DATA\033006-E\E23977.D Vial: 11
Acq On : 31 Mar 2006 6:34 am Operator:
Sample : 56112-1 Inst : Instrumen
Misc : 100,4.25,SOIL Multiplr: 1.00
IntFile : GLO.E
Quant Time: Mar 31 8:26 2006 Quant Results File: GAS01276.RES

Quant Method : C:\HPCHEM\1\METHODS\GAS01276.M (Chemstation Integrator)
Title : GAS
Last Update : Sat Jan 28 00:04:55 2006
Response via : Multiple Level Calibration
DataAcq Meth : GRO.M

Volume Inj. : Purge & Trap
Signal Phase : DB-502.2
Signal Info : 0.25 mm id , 30 M



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April 5, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number:

Field Sample ID: NSB-NLON-SITE7-WC-SL-03

SAMPLE DATA

Lab Sample ID: 56112-1
Matrix: Solid
Percent Solid: 91
Dilution Factor: 1.0
Collection Date: 03/28/06
Lab Receipt Date: 03/29/06
Extraction Date: 03/30/06
Analysis Date: 03/31/06

ANALYTICAL RESULTS

DIESEL RANGE ORGANICS (C10-C28)

Result	Units	Quantitation Limit
10	mg/kg	5

Surrogate Standard Recovery

m-Terphenyl	113	%

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

METHODOLOGY: Aqueous samples prepared by Separatory Funnel Liquid/Liquid Extraction, "Test Methods for Evaluating Solid Waste," Method 3510C; other matrices prepared by Pressurized Fluid Extraction, "Test Methods for Evaluating Solid Waste," Method 3545.

All matrices analyzed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8100"

COMMENTS: Results are expressed on a dry weight basis.

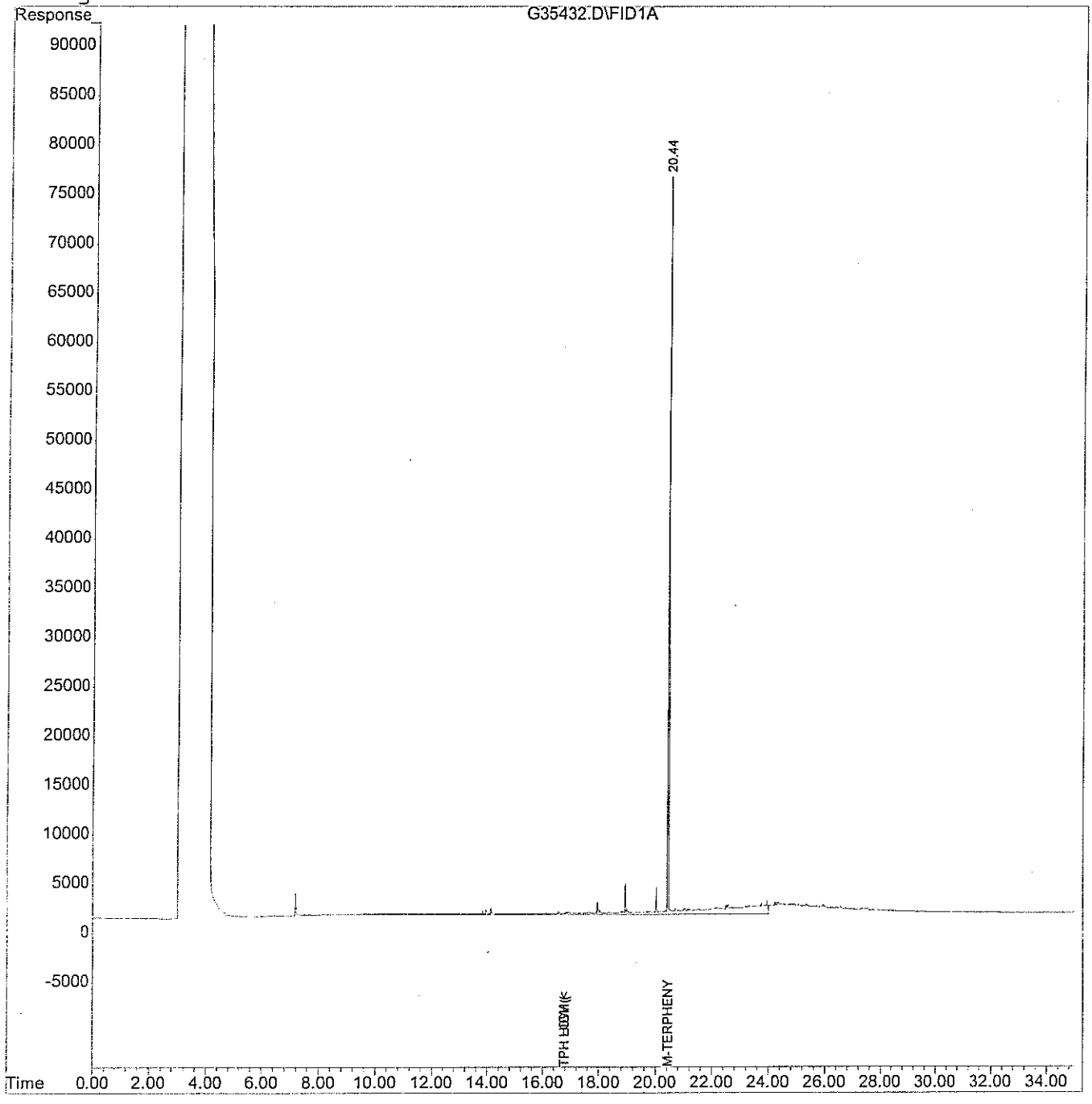
8100

Authorized signature Melissa Tull

Data File : D:\HPCHEM\2\DATA\033106-G\G35432.D Vial: 13
Acq On : 31 Mar 2006 3:40 pm Operator:
Sample : 56112-1 Inst : Instr. G
Misc : SOIL Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Mar 31 17:34 2006 Quant Results File: T03066A.RES

Quant Method : C:\HPCHEM\2\METHODS\T03066A.M (Chemstation Integrator)
Title : DRO
Last Update : Tue Mar 07 10:49:37 2006
Response via : Multiple Level Calibration
DataAcq Meth : TPHEPH1.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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800-929-9906

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

April 5, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number:

Client Sample ID: NSB-NLON-SITE7-WC-SL-03

SAMPLE DATA

Lab Sample ID: 56112-1

Matrix: Solid

Collection Date: 03/28/06 Time Collected: 13:00

Lab Receipt Date: 03/29/06

Analysis Date: 03/30/06 Time Analyzed: 14:44

pH ANALYSIS

Sample	Result	Units
56112-1	**7.96**	pH Units

METHODOLOGY: Sample analyzed according to "EPA SW 846 Method 9045 pH in solid"

COMMENTS: **Results are expressed on a dry weight basis.**

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April 5, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number:

Client Sample ID: NSB-NLON-SITE7-WC-SL-03

SAMPLE DATA

Lab Sample ID: 56112-1

Matrix: Solid

Collection Date: 03/28/06 13:00

Lab Receipt Date: 03/29/06

Analysis Date: 03/31/06

Flash Point Analysis

Sample	Result	Units
56112-1	>165	° Fahrenheit

METHODOLOGY: Sample analysis was conducted according to "Test Methods for Evaluating Solid Waste, EPA SW-846, Method 1010."

COMMENTS:

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April 5, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number:

Client Sample ID: NSB-NLON-SITE7-WC-SL-03

SAMPLE DATA

Lab Sample ID: 56112-1

Matrix: Solid

Percent Solid 91%

Collection Date: 03/28/06 13:00

Lab Receipt Date: 03/29/06

Analysis Date: 03/30/06

REACTIVITY

	Result	Units	Detection Limit	Dilution Factor
Sulfide Reactivity	U	mg/kg	10	0.9
Cyanide Reactivity	U	mg/kg	10	1

U denotes undetected

METHODOLOGY: As of July 2005 EPA has withdrawn these methods from Test Methods for Evaluating Solid Waste ,SW-856. Sulfide reactivity analysis by Modified Method 7.3.4.2. and Cyanide reactivity analysis Cyanide by Modified Method 7.3.3.2."

Note: In July 2005 EPA withdrew the above reactivity methods from "Test Methods for Evaluating Solid Waste, SW-846". These methoods are being analyzed to satisfy requirements for permit-holders only.

COMMENTS: **Results are expressed on a dry weight basis.**

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April 5, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number:

Client Sample ID: NSB-NLON-SITE7-WC-SL-03

SAMPLE DATA

Lab Sample ID: 56112-1

Matrix: Solid

Collection Date: 03/28/06

Lab Receipt Date: 03/29/06

Analysis Date: 03/31/06

PAINT FILTER LIQUIDS TEST

Sample	Result
56112-1	**No Free Liquids**

METHODOLOGY: Sample was analyzed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 9095"

COMMENTS:

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April 5, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number:

Field Sample ID: NSB-NLON-SITE7-WC-SL-03

SAMPLE DATA

Lab Sample ID:	56112-2
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	100
Collection Date:	03/28/06
Lab Receipt Date:	03/29/06
TCLP Extraction Date:	03/29/06
Analysis Date:	03/31/06

ANALYTICAL RESULTS
TCLP VOLATILE ORGANICS

COMPOUND	Detection Limit µg/L	Result µg/L	Regulatory Limit µg/L	Matrix Spike Percent Recovery
Vinyl chloride	200	U	200	92
Trichloroethene	200	U	500	105
Tetrachloroethene	200	U	700	96
Chloroform	200	U	6,000	106
Carbon tetrachloride	200	U	500	107
1,1-Dichloroethene	200	U	700	101
1,2-Dichloroethane	200	U	500	104
Chlorobenzene	200	U	100,000	108
Benzene	200	U	500	106
Methyl ethyl ketone	1000	U	200,000	103

Surrogate Standard Recovery

Dibromofluoromethane	99	%	d4-1,2-Dichloroethane	100	%	d8-Toluene	100	% Bromofluorobenzene	102 %

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

METHODOLOGY: TCLP sample extraction was performed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 1311." TCLP extract analysis was conducted according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8260B."

COMMENTS:

Authorized signature

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April 5, 2006

Mr. Rick Woodworth
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CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number:

Field Sample ID: NSB-NLON-SITE7-WC-SL-03

SAMPLE DATA

Lab Sample ID:	56112-2
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	5.0
Collection Date:	03/28/06
Lab Receipt Date:	03/29/06
TCLP Extraction Date:	03/29/06
Preparative Extraction Date:	03/30/06
Analysis Date:	04/05/06

ANALYTICAL RESULTS TCLP SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	Regulatory Limit µg/L	Matrix Spike Percent Recovery
2-Methylphenol	25	U	200,000	62
3+4-Methylphenol	25	U	200,000	36
1,4-Dichlorobenzene	10	U	7,500	61
2,4-Dinitrotoluene	10	U	130	88
Hexachlorobenzene	10	U	130	85
Hexachlorobutadiene	10	U	500	55
Hexachloroethane	10	U	3,000	60
Nitrobenzene	10	U	2,000	66
Pentachlorophenol	50	U	100,000	56
Pyridine	10	U	5,000	45
2,4,5-Trichlorophenol	25	U	400,000	85
2,4,6-Trichlorophenol	25	U	2,000	80

Surrogate Standard Recovery

2-Fluorophenol	45 %	d5-Phenol	32 %	d5-nitrobenzene	69 %
2-Fluorobiphenyl	74 %	2,4,6-Tribromophenol	79 %	d14-p-terphenyl	83 %

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

METHODOLOGY: TCLP sample extraction was performed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 1311." TCLP extract analysis was conducted according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8270c."

COMMENTS:

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CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number:

Field Sample ID: NSB-NLON-SITE7-WC-SL-03

SAMPLE DATA

Lab Sample ID:	56112-2
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	4.0
Collection Date:	03/28/06
Lab Receipt Date:	03/29/06
TCLP Extraction Date:	03/29/06
Extraction Date:	03/30/06
Analysis Date:	04/04/06

TCLP ORGANOCHLORINE PESTICIDE RESULTS

COMPOUND	Quantitation Limit µg/L	Results µg/L	Regulatory Limit µg/L	Matrix Spike Percent Recovery
Chlordane	8	U	30	98
Endrin	8	U	20	133
Heptachlor	8	U	8	121
Heptachlor Epoxide	8	U	8	93
Lindane	8	U	400	100
Methoyxchlor	8	U	10,000	145
Toxaphene	8	U	500	109

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	81	%
Decachlorobiphenyl	82	%

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

METHODOLOGY: TCLP sample extraction was performed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 1311." TCLP extract analysis was conducted according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8081."

COMMENTS:

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April 5, 2006

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CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7
Project Number:
Client Sample ID: NSB-NLON-SITE7-WC-SL-03

SAMPLE DATA

Lab Sample ID:	56112-2
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	5
Collection Date:	03/28/06
Lab Receipt Date:	03/29/06
TCLP Extraction Date:	03/29/06
Extraction Date:	03/31/06
Analysis Date:	04/04/06

TCLP CHLORINATED HERBICIDE RESULTS

COMPOUND	Quantitation Limit µg/L	Results µg/L	Regulatory Limit µg/L	Matrix Spike Percent Recovery
2,4-D	5	U	10,000	80%
2,4,5-TP (Silvex)	5	U	1,000	95%

Surrogate Standard Recovery

2,4-Dichlorophenylacetic acid 80 %

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

METHODOLOGY: TCLP sample extraction was performed according to Test Methods for Evaluating Solid Waste, SW-846 Method 1311. TCLP extract analysis was conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8151.

COMMENTS:

Authorized signature Melissa Hall

SEVERN TRENT STL

ANALYTICAL REPORT

Job Number: 680-15170-1

Job Description: Subbase Groton Site 7

For:
Analytics Environmental Laboratory, LLC
195 Commerce Way
Suite E
Portsmouth, NH 03801

Attention: Mr. Stephen Knollmeyer

Bernard Kirkland
Project Manager I
bkirkland@stl-inc.com
04/06/2006

Project Manager: Bernard Kirkland

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the STL Project Manager who signed this report.

METHOD SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15170-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Inductively Coupled Plasma - Atomic Emission Spectrometry	STL-SAV	SW846 6010B	
Toxicity Characteristic Leaching Procedure	STL-SAV		SW846 1311
Acid Digestion of Aqueous Samples and Extracts	STL-SAV		SW846 3010A
Acid Digestion of Sediments, Sludges, and Soils	STL-SAV		SW846 3050B
Mercury in Liquid Waste (Manual Cold Vapor Technique)	STL-SAV	SW846 7470A	
Toxicity Characteristic Leaching Procedure	STL-SAV		SW846 1311
Mercury in Liquid Waste (Manual Cold Vapor	STL-SAV		SW846 7470A
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	STL-SAV	SW846 7471A	
Mercury in Solid or Semi-Solid Waste (Manual	STL-SAV		SW846 7471A
Total Organic Carbon	STL-SAV	SW846 9060	
Percent Moisture	STL-SAV	EPA PercentMoisture	

LAB REFERENCES:

STL-SAV = STL-Savannah

METHOD REFERENCES:

EPA - US Environmental Protection Agency

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15170-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-15170-1	NSB-NLON-SITE 7-WC-SL-03	Solid	03/28/2006 1300	03/31/2006 0935

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15170-1

Client Sample ID: NSB-NLON-SITE 7-WC-SL-03

Lab Sample ID:	680-15170-1	Date Sampled:	03/28/2006 1300
Client Matrix:	Solid % Moisture: 9.5	Date Received:	03/31/2006 0935

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 680-41156		Instrument ID:	ICP/AES
Preparation:	3050B	Prep Batch: 680-40680		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.05 g
Date Analyzed:	04/06/2006 1107			Final Weight/Volume:	100 mL
Date Prepared:	04/03/2006 0910				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		1.2	J	0.70	2.6
Silver		0.10	U	0.10	1.1
Barium		39		0.32	1.1
Cadmium		0.23	U	0.23	0.79
Chromium		7.7		0.14	1.1
Lead		14		0.22	0.79
Selenium		0.95	U	0.95	3.2
Beryllium		0.17	J	0.018	0.42
Nickel		6.5		0.27	4.2

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-TCLP

Method:	6010B	Analysis Batch: 680-41157		Instrument ID:	ICP/AES
Preparation:	3010A	Prep Batch: 680-40842		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	04/06/2006 1150			Final Weight/Volume:	50 mL
Date Prepared:	04/04/2006 0943				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.052	U	0.052	0.20
Barium		0.34	J	0.012	1.0
Cadmium		0.010	U	0.010	0.10
Chromium		0.0095	U	0.0095	0.20
Lead		0.050	J	0.035	0.20
Selenium		0.054	U	0.054	0.50
Silver		0.010	U	0.010	0.10

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15170-1

Client Sample ID: NSB-NLON-SITE 7-WC-SL-03

Lab Sample ID: 680-15170-1
Client Matrix: Solid

Date Sampled: 03/28/2006 1300
Date Received: 03/31/2006 0935

7470A Mercury in Liquid Waste (Manual Cold Vapor Technique)-TCLP

Method: 7470A
Preparation: 7470A
Dilution: 1.0
Date Analyzed: 04/06/2006 1140
Date Prepared: 04/05/2006 1512

Analysis Batch: 680-41160
Prep Batch: 680-41039

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 0.50 mL
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		0.0080	U	0.0080	0.020

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 04/06/2006 0951
Date Prepared: 04/05/2006 1320

Analysis Batch: 680-41144
Prep Batch: 680-41006

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 1.16 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.053	B	0.0038	0.019

General Chemistry

Client Sample ID: **NSB-NLON-SITE 7-WC-SL-03**

Lab Sample ID: 680-15170-1
Client Matrix: Solid

Date Sampled: 03/28/2006 1300
Date Received: 03/31/2006 0935

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	2400		mg/Kg	390	1000	1.0	9060
	Anly Batch: 680-41092	Date Analyzed	04/05/2006 1500				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	9.5		%	1.0	1.0	PercentMoistur
	Anly Batch: 680-40594	Date Analyzed	03/31/2006 1530			
Percent Solids	91		%	1.0	1.0	PercentMoistur
	Anly Batch: 680-40594	Date Analyzed	03/31/2006 1530			

DATA REPORTING QUALIFIERS

Client: Analytics Environmental Laboratory, LLC Job Number: 680-15170-1

Lab Section	Qualifier	Description
Metals		
	U	Analyte was not detected at or above the reporting limit.
	B	Compound was found in the blank and sample.
	J	Indicates an estimated value.
	*	LCS, LCSD, MS, MSD, MD, or Surrogate exceeds the control limits
	N	MS, MSD: Spike recovery exceeds upper or lower control limits.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
General Chemistry		
	U	Analyte was not detected at or above the reporting limit.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15170-1

Method Blank - Batch: 680-40680

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 680-40680/21-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/06/2006 1058
Date Prepared: 04/03/2006 0910

Analysis Batch: 680-41156
Prep Batch: 680-40680
Units: mg/Kg

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Arsenic	0.67	U	0.67	2.5
Silver	0.099	U	0.099	1.0
Barium	0.30	U	0.30	1.0
Cadmium	0.22	U	0.22	0.75
Chromium	0.13	U	0.13	1.0
Lead	0.21	J	0.21	0.75
Selenium	0.90	U	0.90	3.0
Beryllium	0.017	U	0.017	0.40
Nickel	0.26	U	0.26	4.0

Laboratory Control Sample - Batch: 680-40680

Method: 6010B
Preparation: 3050B

Lab Sample ID: LCS 680-40680/22-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/06/2006 1102
Date Prepared: 04/03/2006 0910

Analysis Batch: 680-41156
Prep Batch: 680-40680
Units: mg/Kg

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	200	180	89	75 - 125	
Silver	5.00	4.6	91	75 - 125	
Barium	200	190	94	75 - 125	
Cadmium	5.00	4.4	88	75 - 125	
Chromium	20.0	19	95	75 - 125	
Lead	50.0	46	91	75 - 125	
Selenium	200	170	85	75 - 125	
Beryllium	5.00	4.9	99	75 - 125	
Nickel	50.0	46	93	75 - 125	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15170-1

Method Blank - Batch: 680-40842

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID: MB 680-40737/16-C
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/06/2006 1141
Date Prepared: 04/04/2006 0943
Date Leached: 04/03/2006 1321

Analysis Batch: 680-41157
Prep Batch: 680-40842
Units: mg/L

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 5 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Arsenic	0.052	U	0.052	0.20
Barium	0.012	U	0.012	1.0
Cadmium	0.010	U	0.010	0.10
Chromium	0.0095	U	0.0095	0.20
Lead	0.035	U	0.035	0.20
Selenium	0.054	U	0.054	0.50
Silver	0.010	U	0.010	0.10

Laboratory Control Sample - Batch: 680-40842

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID: LCS 680-40842/17-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/06/2006 1146
Date Prepared: 04/04/2006 0943

Analysis Batch: 680-41157
Prep Batch: 680-40842
Units: mg/L

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 5 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	20.0	19	93	75 - 125	
Barium	20.0	19	96	75 - 125	
Cadmium	0.500	0.47	93	75 - 125	
Chromium	2.00	1.9	97	75 - 125	
Lead	5.00	4.7	95	75 - 125	
Selenium	20.0	18	90	75 - 125	
Silver	0.500	0.48	96	75 - 125	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15170-1

Method Blank - Batch: 680-41039

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID: MB 680-41039/7-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/06/2006 0838
Date Prepared: 04/05/2006 1512

Analysis Batch: 680-41160
Prep Batch: 680-41039
Units: mg/L

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 0.50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	0.0080	U	0.0080	0.020

Laboratory Control Sample - Batch: 680-41039

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID: LCS 680-41039/8-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/06/2006 0841
Date Prepared: 04/05/2006 1512

Analysis Batch: 680-41160
Prep Batch: 680-41039
Units: mg/L

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 0.50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.250	0.22	90	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15170-1

Method Blank - Batch: 680-41006

Method: 7471A
Preparation: 7471A

Lab Sample ID: MB 680-41006/5-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/06/2006 0944
Date Prepared: 04/05/2006 1320

Analysis Batch: 680-41144
Prep Batch: 680-41006
Units: mg/Kg

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	0.0043	J	0.0040	0.020

Laboratory Control Sample - Batch: 680-41006

Method: 7471A
Preparation: 7471A

Lab Sample ID: LCS 680-41006/6-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/06/2006 0947
Date Prepared: 04/05/2006 1320

Analysis Batch: 680-41144
Prep Batch: 680-41006
Units: mg/Kg

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.125	0.11	91	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-41006

Method: 7471A
Preparation: 7471A

MS Lab Sample ID: 680-15170-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/06/2006 0959
Date Prepared: 04/05/2006 1320

Analysis Batch: 680-41144
Prep Batch: 680-41006

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 1.16 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 680-15170-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/06/2006 1002
Date Prepared: 04/05/2006 1320

Analysis Batch: 680-41144
Prep Batch: 680-41006

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 1.16 g
Final Weight/Volume: 50 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	114	72	80 - 120	21	20		N *

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15170-1

Method Blank - Batch: 680-41092

Method: 9060
Preparation: N/A

Lab Sample ID: MB 680-41092/1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/05/2006 1500
Date Prepared: N/A

Analysis Batch: 680-41092
Prep Batch: N/A
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mg
Final Weight/Volume:

Analyte	Result	Qual	MDL	RL
Total Organic Carbon	390	U	390	1000

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 680-41092

Method: 9060
Preparation: N/A

LCS Lab Sample ID: LCS 680-41092/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/05/2006 1500
Date Prepared: N/A

Analysis Batch: 680-41092
Prep Batch: N/A
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 20.4 mg
Final Weight/Volume:

LCSD Lab Sample ID: LCSD 680-41092/3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/05/2006 1500
Date Prepared: N/A

Analysis Batch: 680-41092
Prep Batch: N/A
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 20.5 mg
Final Weight/Volume:

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Organic Carbon	86	87	60 - 140	1	40		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15170-1

Matrix Duplicate - Batch: 680-41092

Method: 9060
Preparation: N/A

Lab Sample ID: 680-15170-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/05/2006 1500
Date Prepared: N/A

Analysis Batch: 680-41092
Prep Batch: N/A
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 99.0 mg
Final Weight/Volume:

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Organic Carbon	2400	2200	7	40	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Chain Of Custody Form

analytics environmental laboratory LLC
195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 2, 10/25/04

Samples were: 1) Shipped or Hand-delivered DPDA 3/29/06
2) Temp blank °C 2°
3) Received in good condition Y or N
4) pH checked by: N/A
5) Labels checked by: JJ 2906

Project#: Proj. Name: Subbase Groton Site 7
Company: T-Eci
Contact: Rick Woodworth
Address:
Phone: PO# Quote #
Sampler (Signature): Paul W Anderson

Matrix Key: WW=Wastewater, SW=Surfacewater, GW=Groundwater, DW=Drinkingwater, S=Soil/Sludge, O=Oil, F=Extract, X=Other

Container Key: P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Preservation: Unpres	4°C	HNO3	H2SO4	HCl	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
NSB-NLON-SITE7-WC-SL-03	3-28-06	1300	Total VOC		X				X		S	1	G		56112-1
			% solids	X	X						S	1	G		-1
			Flashpoint	X	X						S	2	G		-1
			TCLP VOC	X	X						S	1	G		-2
			TOC	X	X						S	1	G		-1
			RCRA8 Metals	X	X						S	1	G		-1
			full TCLP	X	X						S	2	G		-2
			PCB, Reactivity, pH/Corr	X	X						S	2	G		-2
			SVOC, TPH, Paint												-2 DPM 3/29/06
															-1
															-1 DPM 3/29/06

Email RESULTS? YES NO
Email
Fax RESULTS? YES NO
Fax#

Comments / Instructions:
WC sample #2 from south side of B325 dig; west end of excavation.

Turnaround Request
Standard [5] Due Date
Priority [X] Due Date

Page 1 of 1

Relinquished By Sampler:	Received By:	Time:	Date:
Paul W. Anderson	Fed Ex	1400	3-28-06
Relinquished By: Fed Ex	Received By:	Time: 1000	Date: 3-29-06
Relinquished By:	Received By:	Time:	Date:

ANALYTICS SAMPLE RECEIPT CHECKLIST

analytics environmental laboratory LLC

AEL LAB#: 56112 — COOLER NUMBER: _____

CLIENT: TetraTech — NUMBER OF COOLERS: 1

PROJECT: SubbaseGrotonSite7 — DATE RECEIVED: 3/29/06

A: PRELIMINARY EXAMINATION: — DATE COOLER OPENED: 3/29/06

1. Cooler received by(initials) — Date Received: 3/29/06
2. Did cooler come with a shipping slip? (Y) N

If YES, enter carrier name and airbill number here: 7908 6399 9780

3. Were custody seals on the outside of cooler? Y (N) Cooler taped extremely well + not tampered with. DPM 3/29/06
How many & where: _____ Seal Date: _____ Seal Name: _____

4. Did the custody seals arrive unbroken and intact upon arrival? Y N

5. COC#: _____

6. Were Custody papers filled out properly (ink,signed, etc)?	(Y)	N
7. Were custody papers sealed in a plastic bag?	(Y)	N
8. Did you sign the COC in the appropriate place?	(Y)	N
9. Was the project identifiable from the COC papers?	(Y)	N
10. Was enough ice used to chill the cooler? (Y) N — Temp. of cooler: 2°C		

B. Log-In: Date samples were logged in: 3/29/06 — By: DPM

11. Type of packing in cooler(bubble wrap, popcorn)	(Y)	N
12. Were all bottles sealed in separate plastic bags?	(Y)	N
13. Did all bottles arrive unbroken and were labels in good condition?	(Y)	N
14. Were all bottle labels complete(ID,Date,time,etc.)	(Y)	N
15. Did all bottle labels agree with custody papers?	(Y)	N
16. Were the correct containers used for the tests indicated:	(Y)	N
17. Were samples received at the correct pH?	(Y)	N
18. Was sufficient amount of sample sent for the tests indicated?	(Y)	N
19. Were bubbles absent in VOA samples?	(Y)	N

If NO, List sample #'s: _____

20. Laboratory labeling verified by (initials): — Date: 3/29/06

analytics environmental laboratory LLC

195 Commerce Way Suite E
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800-929-9906
www.analyticslab.com

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

Report Number: 56155

Revision: Rev. 0

Re: NSB NLON SITE 7

CTO 1042

Enclosed are the results of the analyses on your sample(s). Samples were received on 05 April 2006 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
56155-1	04/05/06	NSB-NLON-SITE7-GW-02	EPA 624 Volatile Organics	
	04/05/06	NSB-NLON-SITE7-GW-02	Metals	
	04/05/06	NSB-NLON-SITE7-GW-02	Metals Digestion	
	04/05/06	NSB-NLON-SITE7-GW-02	Oil and Grease	
	04/05/06	NSB-NLON-SITE7-GW-02	SW-846 9040 pH in Water	
56155-2	03/27/06	Trip Blank	EPA 624 Volatile Organics	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, North Carolina, New York, Virginia, Pennsylvania and is validated by the U.S. Army Corps of Engineers (MRD) and U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 04/06/06

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analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
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800-929-9906

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

April 6, 2006

CLIENT SAMPLE ID

Project Name: NSB NLON SITE 7

Project Number: CTO 1042

Field Sample ID: NSB-NLON-SITE7-GW-02

SAMPLE DATA

Lab Sample ID: 56155-1
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1
Collection Date: 04/05/06
Lab Receipt Date: 04/05/06
Analysis Date: 04/05/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U
Bromodichloromethane	2	U
Bromoform	2	U
Bromomethane	2	U
Carbon tetrachloride	2	U
Chloroethane	2	U
Chlorobenzene	2	U
2-Chloroethylvinyl ether	15	U
Chloroform	2	U
Chloromethane	2	U
Dibromochloromethane	2	U
1,2-Dichlorobenzene	2	U
1,3-Dichlorobenzene	2	U
1,4-Dichlorobenzene	2	U
1,1-Dichloroethane	2	U
1,2-Dichloroethane	2	U
1,1-Dichloroethene	2	U
cis-1,2-Dichloroethene	2	U
trans-1,2-Dichloroethene	2	U
1,2-Dichloropropane	2	U
trans-1,3-Dichloropropene	2	U
cis-1,3-Dichloropropene	2	U
Ethylbenzene	2	U
Methylene chloride	5	U
1,1,2,2-Tetrachloroethane	2	U
Tetrachloroethene	2	U
Toluene	2	U
1,1,1-Trichloroethane	2	U
1,1,2-Trichloroethane	2	U
Trichloroethene	2	U
Trichlorofluoromethane	2	U
Vinyl chloride	2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	93 %	d8-Toluene	91 %	Bromofluorobenzene	92 %

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

METHODOLOGY: Sample was analyzed according to "40 CFR Part 136, Method 624."

COMMENTS: The laboratory control samples did not meet acceptance criteria for 2-Chloroethylvinyl ether.

Authorized signature Melissa Tall

analytics environmental laboratory LLC

195 Commerce Way
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800-929-9906

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

April 6, 2006

CLIENT SAMPLE ID

Project Name: NSB NLON SITE 7

Project Number: CTO 1042

Field Sample ID: Trip Blank

SAMPLE DATA

Lab Sample ID: 56155-2
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1
Collection Date: 03/27/06
Lab Receipt Date: 04/05/06
Analysis Date: 04/05/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U
Bromodichloromethane	2	U
Bromoform	2	U
Bromomethane	2	U
Carbon tetrachloride	2	U
Chloroethane	2	U
Chlorobenzene	2	U
2-Chloroethylvinyl ether	15	U
Chloroform	2	U
Chloromethane	2	U
Dibromochloromethane	2	U
1,2-Dichlorobenzene	2	U
1,3-Dichlorobenzene	2	U
1,4-Dichlorobenzene	2	U
1,1-Dichloroethane	2	U
1,2-Dichloroethane	2	U
1,1-Dichloroethene	2	U
cis-1,2-Dichloroethene	2	U
trans-1,2-Dichloroethene	2	U
1,2-Dichloropropane	2	U
trans-1,3-Dichloropropene	2	U
cis-1,3-Dichloropropene	2	U
Ethylbenzene	2	U
Methylene chloride	5	U
1,1,2,2-Tetrachloroethane	2	U
Tetrachloroethene	2	U
Toluene	2	U
1,1,1-Trichloroethane	2	U
1,1,2-Trichloroethane	2	U
Trichloroethene	2	U
Trichlorofluoromethane	2	U
Vinyl chloride	2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	95 %	d8-Toluene	96 %	Bromofluorobenzene	91 %

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

METHODOLOGY: Sample was analyzed according to "40 CFR Part 136, Method 624."

COMMENTS: The laboratory control samples did not meet acceptance criteria for 2-Chloroethylvinyl ether.

Authorized signature

analytics environmental laboratory LLC

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

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

April 6, 2006

CLIENT SAMPLE ID

Project Name: NSB NLON SITE 7
Project Number: CTO 1042
Client Sample ID: NSB-NLON-SITE7-GW-02

SAMPLE DATA

Lab Sample ID: 56155-1
Matrix: Aqueous
Collection Date: 04/05/06 Time Collected: 12:40
Lab Receipt Date: 04/05/06
Analysis Date: 04/05/06 Time Analyzed: 16:49

pH ANALYSIS

Sample	Result	Units
56155-1	**7.0**	pH Units

METHODOLOGY: Sample was analyzed according to "EPA 600 Method 150.1."

COMMENTS:

Authorized signature

SEVERN TRENT STL

ANALYTICAL REPORT

Job Number: 680-15364-1

Job Description: CTO 1042

For:
Analytics Environmental Laboratory, LLC
195 Commerce Way
Suite E
Portsmouth, NH 03801

Attention: Mr. Stephen Knollmeyer

Bernard Kirkland
Project Manager I
bkirkland@stl-inc.com
04/11/2006

Project Manager: Bernard Kirkland

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the STL Project Manager who signed this report.

ACCREDITED IN ACCORDANCE WITH nelac

METHOD SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15364-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Inductively Coupled Plasma - Atomic Emission Spectrometry	STL-SAV	SW846 6010B	
Acid Digestion of Aqueous Samples and Extracts	STL-SAV		SW846 3010A
HEM and SGT-HEM by Extraction and Gravimetry	STL-SAV	40CFR136A 1664A	
HEM and SGT-HEM by Extraction and	STL-SAV		EPA-01 1664A

LAB REFERENCES:

STL-SAV = STL-Savannah

METHOD REFERENCES:

40CFR136A - "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15364-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-15364-1	NSB-NLON-SITE7-GW-02 / 56155-1	Water	04/05/2006 1240	04/06/2006 0945
680-15364-2	NSB-NLON-SITE7-GW-02 / 56155-1	Water	04/05/2006 1240	04/06/2006 0945

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15364-1

Client Sample ID: NSB-NLON-SITE7-GW-02 / 56155-1

Lab Sample ID:	680-15364-1	Date Sampled:	04/05/2006 1240
Client Matrix:	Water	Date Received:	04/06/2006 0945

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 680-41459		Instrument ID:	ICP/AES
Preparation:	3010A	Prep Batch: 680-41198		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	04/10/2006 1030			Final Weight/Volume:	50 mL
Date Prepared:	04/07/2006 0815				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Lead	13		3.5	5.0

General Chemistry

Client Sample ID: **NSB-NLON-SITE7-GW-02 / 56155-1**

Lab Sample ID: 680-15364-2
Client Matrix: Water

Date Sampled: 04/05/2006 1240
Date Received: 04/06/2006 0945

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
HEM (Oil & Grease)	1.3	U	mg/L	1.3	5.0	1.0	1664A
	Anly Batch: 680-41629	Date Analyzed		04/11/2006 1638			
	Prep Batch: 680-41371	Date Prepared:		04/10/2006 0810			
TPH (1664A)	1.7	U	mg/L	1.7	5.0	1.0	1664A
	Anly Batch: 680-41629	Date Analyzed		04/11/2006 1638			
	Prep Batch: 680-41371	Date Prepared:		04/10/2006 0810			

DATA REPORTING QUALIFIERS

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15364-1

Lab Section	Qualifier	Description
Metals		
	U	Analyte was not detected at or above the reporting limit.
General Chemistry		
	U	Analyte was not detected at or above the reporting limit.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15364-1

Method Blank - Batch: 680-41198

Method: 6010B
Preparation: 3010A

Lab Sample ID: MB 680-41198/15-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/10/2006 1021
Date Prepared: 04/07/2006 0815

Analysis Batch: 680-41459
Prep Batch: 680-41198
Units: ug/L

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Lead	3.5	U	3.5	5.0

Laboratory Control Sample - Batch: 680-41198

Method: 6010B
Preparation: 3010A

Lab Sample ID: LCS 680-41198/16-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/10/2006 1025
Date Prepared: 04/07/2006 0815

Analysis Batch: 680-41459
Prep Batch: 680-41198
Units: ug/L

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Lead	500	500	99	75 - 125	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15364-1

Method Blank - Batch: 680-41371

Method: 1664A
Preparation: 1664A

Lab Sample ID: MB 680-41371/21-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/11/2006 1638
Date Prepared: 04/10/2006 0810

Analysis Batch: 680-41629
Prep Batch: 680-41371
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 500 mL
Final Weight/Volume: 500 mL

Analyte	Result	Qual	MDL	RL
HEM (Oil & Grease)	1.3	U	1.3	5.0
TPH (1664A)	1.7	U	1.7	5.0

Laboratory Control Sample - Batch: 680-41371

Method: 1664A
Preparation: 1664A

Lab Sample ID: LCS 680-41371/22-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/11/2006 1638
Date Prepared: 04/10/2006 0810

Analysis Batch: 680-41629
Prep Batch: 680-41371
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 500 mL
Final Weight/Volume: 500 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
HEM (Oil & Grease)	40.0	43	107	78 - 114	
TPH (1664A)	20.0	21	107	64 - 132	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Chain Of Custody Form

analytics environmental laboratory LLC
195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 2, 10/25/04

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 4
3) Received in good condition (Y) or N
4) pH checked by: DPM
5) Labels checked by: 04.506

Project#: CTO 1042 Proj. Name: NSB NLON Site 9
Company: T+ EC1
Contact: Rick Woodworth
Address:
Phone: PO# Quote #
Sampler (Signature): Paul W Anderson

Matrix Key:
WW=Wastewater
SW=Surfacewater
GW=Groundwater
DW=Drinkingwater
S=Soil/Sludge
O=Oil
F=Extract
X=Other

Container Key
P=plastic G=glass

Preservation

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4° C	HNO3	H2SO4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
~~NSB-NLON-Site 9~~ GW-02	4-5-06	12:40	pH		X						GW	1	P		56155-1
↓	↓	↓	Total Pb		X	X						1	P		
			Oil + Grease		X		X					1	G		
			624		X			X				4	G		
Trip Blank	3/27/06														56155-2

Email RESULTS? YES NO
Email
Fax RESULTS? YES NO
Fax#

Comments / Instructions:
24 HR TAT pH Checked @ 1.5 for oil + grease + Total Pb's DPM 4/5/06

Turnaround Request
Standard ☐ Due Date
Priority ☒ Due Date 24hrs

Page 1 of 1

Received By:	Received By:	Received By:
Time: 1:25	Time: 1:25	Time:
Date: 4/5/06	Date: 4/5/06	Date:
Relinquished By Sampler: Paul W. Anderson	Relinquished By:	Relinquished By:

Analytics\AEL Documents\AEL COC

ANALYTICS SAMPLE RECEIPT CHECKLIST

analytics environmental laboratory LLC

AEL LAB#: 560155 COOLER NUMBER: _____

CLIENT: TetraTech NUMBER OF COOLERS: 1

PROJECT: NSBNLON SITE 7 DATE RECEIVED: 4/5/06

A: PRELIMINARY EXAMINATION: DATE COOLER OPENED: 4/5/06

1. Cooler received by(initials) Date Received: _____

2. Did cooler come with a shipping slip? hand-delivered Y N

If YES, enter carrier name and airbill number here: N/A

3. Were custody seals on the outside of cooler? Y (NA)

How many & where: _____ Seal Date: _____ Seal Name: _____

4. Did the custody seals arrive unbroken and intact upon arrival? Y (NA)

5. COC#: _____

6. Were Custody papers filled out properly (ink,signed, etc)? (Y) N

7. Were custody papers sealed in a plastic bag? (Y) N

8. Did you sign the COC in the appropriate place? (Y) N

9. Was the project identifiable from the COC papers? (Y) N

10. Was enough ice used to chill the cooler? (Y) N Temp. of cooler: 4°C

B. Log-In: Date samples were logged in: 4/5/06 By: DPM

11. Type of packing in cooler(bubble wrap, popcorn) (Y) N

12. Were all bottles sealed in separate plastic bags? (Y) N

13. Did all bottles arrive unbroken and were labels in good condition? (Y) N

14. Were all bottle labels complete(ID,Date,time,etc.) (Y) N

15. Did all bottle labels agree with custody papers? (Y) N

16. Were the correct containers used for the tests indicated: (Y) N

17. Were samples received at the correct pH? (Y) N

18. Was sufficient amount of sample sent for the tests indicated? (Y) N

19. Were bubbles absent in VOA samples? (Y) N

If NO, List sample #'s: _____

20. Laboratory labeling verified by (initials): DJ Date: 4.5.06

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
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800-929-9906
www.analyticslab.com

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

Report Number: 56155

Revision: Rev. 0

Re: NSB NLON SITE 7

CTO 1042

Enclosed are the results of the analyses on your sample(s). Samples were received on 05 April 2006 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
56155-1	04/05/06	NSB-NLON-SITE7-GW-02	EPA 624 Volatile Organics	
	04/05/06	NSB-NLON-SITE7-GW-02	Metals	
	04/05/06	NSB-NLON-SITE7-GW-02	Metals Digestion	
	04/05/06	NSB-NLON-SITE7-GW-02	Oil and Grease	
	04/05/06	NSB-NLON-SITE7-GW-02	SW-846 9040 pH in Water	
56155-2	03/27/06	Trip Blank	EPA 624 Volatile Organics	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, North Carolina, New York, Virginia, Pennsylvania and is validated by the U.S. Army Corps of Engineers (MRD) and U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 04/06/06

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analytics environmental laboratory LLC

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Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

April 6, 2006

CLIENT SAMPLE ID

Project Name: NSB NLON SITE 7

Project Number: CTO 1042

Field Sample ID: NSB-NLON-SITE7-GW-02

SAMPLE DATA

Lab Sample ID: 56155-1
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1
Collection Date: 04/05/06
Lab Receipt Date: 04/05/06
Analysis Date: 04/05/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U
Bromodichloromethane	2	U
Bromoform	2	U
Bromomethane	2	U
Carbon tetrachloride	2	U
Chloroethane	2	U
Chlorobenzene	2	U
2-Chloroethylvinyl ether	15	U
Chloroform	2	U
Chloromethane	2	U
Dibromochloromethane	2	U
1,2-Dichlorobenzene	2	U
1,3-Dichlorobenzene	2	U
1,4-Dichlorobenzene	2	U
1,1-Dichloroethane	2	U
1,2-Dichloroethane	2	U
1,1-Dichloroethene	2	U
cis-1,2-Dichloroethene	2	U
trans-1,2-Dichloroethene	2	U
1,2-Dichloropropane	2	U
trans-1,3-Dichloropropene	2	U
cis-1,3-Dichloropropene	2	U
Ethylbenzene	2	U
Methylene chloride	5	U
1,1,2,2-Tetrachloroethane	2	U
Tetrachloroethene	2	U
Toluene	2	U
1,1,1-Trichloroethane	2	U
1,1,2-Trichloroethane	2	U
Trichloroethene	2	U
Trichlorofluoromethane	2	U
Vinyl chloride	2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	93 %	d8-Toluene	91 %	Bromofluorobenzene	92 %

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

METHODOLOGY: Sample was analyzed according to "40 CFR Part 136, Method 624."

COMMENTS: The laboratory control samples did not meet acceptance criteria for 2-Chloroethylvinyl ether.

Authorized signature Melissa Tall

analytics environmental laboratory LLC

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Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

April 6, 2006

CLIENT SAMPLE ID

Project Name: NSB NLON SITE 7

Project Number: CTO 1042

Field Sample ID: Trip Blank

SAMPLE DATA

Lab Sample ID: 56155-2
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1
Collection Date: 03/27/06
Lab Receipt Date: 04/05/06
Analysis Date: 04/05/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U
Bromodichloromethane	2	U
Bromoform	2	U
Bromomethane	2	U
Carbon tetrachloride	2	U
Chloroethane	2	U
Chlorobenzene	2	U
2-Chloroethylvinyl ether	15	U
Chloroform	2	U
Chloromethane	2	U
Dibromochloromethane	2	U
1,2-Dichlorobenzene	2	U
1,3-Dichlorobenzene	2	U
1,4-Dichlorobenzene	2	U
1,1-Dichloroethane	2	U
1,2-Dichloroethane	2	U
1,1-Dichloroethene	2	U
cis-1,2-Dichloroethene	2	U
trans-1,2-Dichloroethene	2	U
1,2-Dichloropropane	2	U
trans-1,3-Dichloropropene	2	U
cis-1,3-Dichloropropene	2	U
Ethylbenzene	2	U
Methylene chloride	5	U
1,1,2,2-Tetrachloroethane	2	U
Tetrachloroethene	2	U
Toluene	2	U
1,1,1-Trichloroethane	2	U
1,1,2-Trichloroethane	2	U
Trichloroethene	2	U
Trichlorofluoromethane	2	U
Vinyl chloride	2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	95 %	d8-Toluene	96 %	Bromofluorobenzene	91 %

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

METHODOLOGY: Sample was analyzed according to "40 CFR Part 136, Method 624."

COMMENTS: The laboratory control samples did not meet acceptance criteria for 2-Chloroethylvinyl ether.

Authorized signature

analytics environmental laboratory LLC

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Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

April 6, 2006

CLIENT SAMPLE ID

Project Name: NSB NLON SITE 7
Project Number: CTO 1042
Client Sample ID: NSB-NLON-SITE7-GW-02

SAMPLE DATA

Lab Sample ID: 56155-1
Matrix: Aqueous
Collection Date: 04/05/06 Time Collected: 12:40
Lab Receipt Date: 04/05/06
Analysis Date: 04/05/06 Time Analyzed: 16:49

pH ANALYSIS

Sample	Result	Units
56155-1	**7.0**	pH Units

METHODOLOGY: Sample was analyzed according to "EPA 600 Method 150.1."

COMMENTS:

Authorized signature

SEVERN TRENT STL

ANALYTICAL REPORT

Job Number: 680-15364-1

Job Description: CTO 1042

For:
Analytics Environmental Laboratory, LLC
195 Commerce Way
Suite E
Portsmouth, NH 03801

Attention: Mr. Stephen Knollmeyer

Bernard Kirkland
Project Manager I
bkirkland@stl-inc.com
04/11/2006

Project Manager: Bernard Kirkland

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the STL Project Manager who signed this report.

ACCREDITED IN ACCORDANCE WITH nelac

METHOD SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15364-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Inductively Coupled Plasma - Atomic Emission Spectrometry	STL-SAV	SW846 6010B	
Acid Digestion of Aqueous Samples and Extracts	STL-SAV		SW846 3010A
HEM and SGT-HEM by Extraction and Gravimetry	STL-SAV	40CFR136A 1664A	
HEM and SGT-HEM by Extraction and	STL-SAV		EPA-01 1664A

LAB REFERENCES:

STL-SAV = STL-Savannah

METHOD REFERENCES:

40CFR136A - "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15364-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-15364-1	NSB-NLON-SITE7-GW-02 / 56155-1	Water	04/05/2006 1240	04/06/2006 0945
680-15364-2	NSB-NLON-SITE7-GW-02 / 56155-1	Water	04/05/2006 1240	04/06/2006 0945

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15364-1

Client Sample ID: NSB-NLON-SITE7-GW-02 / 56155-1

Lab Sample ID:	680-15364-1	Date Sampled:	04/05/2006 1240
Client Matrix:	Water	Date Received:	04/06/2006 0945

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 680-41459		Instrument ID:	ICP/AES
Preparation:	3010A	Prep Batch: 680-41198		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	04/10/2006 1030			Final Weight/Volume:	50 mL
Date Prepared:	04/07/2006 0815				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Lead	13		3.5	5.0

General Chemistry

Client Sample ID: **NSB-NLON-SITE7-GW-02 / 56155-1**

Lab Sample ID: 680-15364-2
Client Matrix: Water

Date Sampled: 04/05/2006 1240
Date Received: 04/06/2006 0945

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
HEM (Oil & Grease)	1.3	U	mg/L	1.3	5.0	1.0	1664A
	Anly Batch: 680-41629	Date Analyzed		04/11/2006 1638			
	Prep Batch: 680-41371	Date Prepared:		04/10/2006 0810			
TPH (1664A)	1.7	U	mg/L	1.7	5.0	1.0	1664A
	Anly Batch: 680-41629	Date Analyzed		04/11/2006 1638			
	Prep Batch: 680-41371	Date Prepared:		04/10/2006 0810			

DATA REPORTING QUALIFIERS

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15364-1

Lab Section	Qualifier	Description
Metals		
	U	Analyte was not detected at or above the reporting limit.
General Chemistry		
	U	Analyte was not detected at or above the reporting limit.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15364-1

Method Blank - Batch: 680-41198

Method: 6010B
Preparation: 3010A

Lab Sample ID: MB 680-41198/15-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/10/2006 1021
Date Prepared: 04/07/2006 0815

Analysis Batch: 680-41459
Prep Batch: 680-41198
Units: ug/L

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Lead	3.5	U	3.5	5.0

Laboratory Control Sample - Batch: 680-41198

Method: 6010B
Preparation: 3010A

Lab Sample ID: LCS 680-41198/16-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/10/2006 1025
Date Prepared: 04/07/2006 0815

Analysis Batch: 680-41459
Prep Batch: 680-41198
Units: ug/L

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Lead	500	500	99	75 - 125	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15364-1

Method Blank - Batch: 680-41371

Method: 1664A
Preparation: 1664A

Lab Sample ID: MB 680-41371/21-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/11/2006 1638
Date Prepared: 04/10/2006 0810

Analysis Batch: 680-41629
Prep Batch: 680-41371
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 500 mL
Final Weight/Volume: 500 mL

Analyte	Result	Qual	MDL	RL
HEM (Oil & Grease)	1.3	U	1.3	5.0
TPH (1664A)	1.7	U	1.7	5.0

Laboratory Control Sample - Batch: 680-41371

Method: 1664A
Preparation: 1664A

Lab Sample ID: LCS 680-41371/22-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/11/2006 1638
Date Prepared: 04/10/2006 0810

Analysis Batch: 680-41629
Prep Batch: 680-41371
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 500 mL
Final Weight/Volume: 500 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
HEM (Oil & Grease)	40.0	43	107	78 - 114	
TPH (1664A)	20.0	21	107	64 - 132	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Chain Of Custody Form

analytics environmental laboratory LLC
195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 2, 10/25/04

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 4
3) Received in good condition (Y) or N
4) pH checked by: DPM
5) Labels checked by: 04.506

Project#: CTO 1042 Proj. Name: NSB NLON Site 9
Company: T+ EC1
Contact: Rick Woodworth
Address:
Phone: PO# Quote #
Sampler (Signature): Paul W Anderson

Matrix Key:
WW=Wastewater
SW=Surfacewater
GW=Groundwater
DW=Drinkingwater
S=Soil/Sludge
O=Oil
F=Extract
X=Other

Container Key
P=plastic G=glass

Preservation

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4° C	HNO3	H2SO4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
~~NSB-NLON-Site 9~~ GW-02	4-5-06	12:40	pH		X						GW	1	P		56155-1
↓	↓	↓	Total Pb		X	X						1	P		
			Oil + Grease		X		X					1	G		
			624		X			X				4	G		
Trip Blank	3/27/06														56155-2

Email RESULTS? YES NO
Email
Fax RESULTS? YES NO
Fax#

Comments / Instructions:
24 HR TAT pH Checked @ 1.5 for oil + grease + Total Pb's DPM 4/5/06

Turnaround Request
Standard ☐ Due Date
Priority ☒ Due Date 24hrs

Page 1 of 1

Received By:	Received By:	Received By:
Time: 1:25	Time: 1:25	Time:
Date: 4/5/06	Date: 4/5/06	Date:
Relinquished By Sampler: Paul W. Anderson	Relinquished By:	Relinquished By:

Analytics\AEL Documents\AEL COC

ANALYTICS SAMPLE RECEIPT CHECKLIST

analytics environmental laboratory LLC

AEL LAB#: 560155 COOLER NUMBER: _____

CLIENT: TetraTech NUMBER OF COOLERS: 1

PROJECT: NSBNLON SITE 7 DATE RECEIVED: 4/5/06

A: PRELIMINARY EXAMINATION: DATE COOLER OPENED: 4/5/06

1. Cooler received by(initials) Date Received: _____

2. Did cooler come with a shipping slip? hand-delivered Y N

If YES, enter carrier name and airbill number here: N/A

3. Were custody seals on the outside of cooler? Y (NA)

How many & where: _____ Seal Date: _____ Seal Name: _____

4. Did the custody seals arrive unbroken and intact upon arrival? Y (NA)

5. COC#: _____

6. Were Custody papers filled out properly (ink,signed, etc)? (Y) N

7. Were custody papers sealed in a plastic bag? (Y) N

8. Did you sign the COC in the appropriate place? (Y) N

9. Was the project identifiable from the COC papers? (Y) N

10. Was enough ice used to chill the cooler? (Y) N Temp. of cooler: 4°C

B. Log-In: Date samples were logged in: 4/5/06 By: DPM

11. Type of packing in cooler(bubble wrap, popcorn) (Y) N

12. Were all bottles sealed in separate plastic bags? (Y) N

13. Did all bottles arrive unbroken and were labels in good condition? (Y) N

14. Were all bottle labels complete(ID,Date,time,etc.) (Y) N

15. Did all bottle labels agree with custody papers? (Y) N

16. Were the correct containers used for the tests indicated: (Y) N

17. Were samples received at the correct pH? (Y) N

18. Was sufficient amount of sample sent for the tests indicated? (Y) N

19. Were bubbles absent in VOA samples? (Y) N

If NO, List sample #'s: _____

20. Laboratory labeling verified by (initials): DJ Date: 4.5.06

analytics environmental laboratory LLC

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Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

Report Number: 56279

Revision: Rev. 0

Re: Subbase New London-Site 7 **CTO104**

Enclosed are the results of the analyses on your sample(s). Samples were received on 18 April 2006 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
56279-1	04/17/06	NSB-NLON-SITE7-WC-SL-04	Cyanide Reactivity	
	04/17/06	NSB-NLON-SITE7-WC-SL-04	EPA 1010 Flashpoint	
	04/17/06	NSB-NLON-SITE7-WC-SL-04	EPA 8015 - Gasoline	
	04/17/06	NSB-NLON-SITE7-WC-SL-04	EPA 8082 (PCBs only)	
	04/17/06	NSB-NLON-SITE7-WC-SL-04	EPA 8100 - TPH	
	04/17/06	NSB-NLON-SITE7-WC-SL-04	EPA 8260 Volatile Organics	
	04/17/06	NSB-NLON-SITE7-WC-SL-04	EPA 8270 Acid/Base Neutrals	
	04/17/06	NSB-NLON-SITE7-WC-SL-04	EPA 9095 Paint Filter Liquids Test	
	04/17/06	NSB-NLON-SITE7-WC-SL-04	RCRA Metals	
	04/17/06	NSB-NLON-SITE7-WC-SL-04	Sulfide Reactivity	
	04/17/06	NSB-NLON-SITE7-WC-SL-04	SW-846 9045 pH in Solid	
	04/17/06	NSB-NLON-SITE7-WC-SL-04	Total Organic Carbon in Solid Matrices	
56279-2	04/17/06	NSB-NLON-SITE7-WC-SL-04	EPA 8081(TCLP Pesticides)	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, North Carolina, New York, Virginia, Pennsylvania and is validated by the U.S. Army Corps of Engineers (MRD) and U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 04/25/06

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Mr. Rick Woodworth
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Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

Report Number: 56279

Revision: Rev. 0

Re: Subbase New London-Site 7 **CTO104**

Enclosed are the results of the analyses on your sample(s). Samples were received on 18 April 2006 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
	04/17/06	NSB-NLON-SITE7-WC-SL-04	EPA 8151(TCLP Herbicides)	
	04/17/06	NSB-NLON-SITE7-WC-SL-04	EPA 8260 (TCLP Volatile Organics)	
	04/17/06	NSB-NLON-SITE7-WC-SL-04	EPA 8270 (TCLP Semivolatiles)	
	04/17/06	NSB-NLON-SITE7-WC-SL-04	TCLP Extraction	
	04/17/06	NSB-NLON-SITE7-WC-SL-04	TCLP RCRA Metals	
	04/17/06	NSB-NLON-SITE7-WC-SL-04	TCLP Zero Headspace Extraction	

Sample Receipt Exceptions: None

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If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 04/25/06

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analytics environmental laboratory LLC

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800-929-9906

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

April 25, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London-Site 7

Project Number: CTO104

Field Sample ID: NSB-NLON-SITE7-WC-SL-04

SAMPLE DATA

Lab Sample ID: 56279-1
Matrix: Solid
Percent Solid: 89
Dilution Factor: 81
Collection Date: 04/17/06
Lab Receipt Date: 04/18/06
Analysis Date: 04/18/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	81	U	1,3-Dichloropropane	81	U
Bromobenzene	81	U	cis-1,3-Dichloropropene	81	U
Bromochloromethane	81	U	trans-1,3-Dichloropropene	81	U
Bromodichloromethane	61	U	2,2-Dichloropropane	81	U
Bromoform	61	U	1,1-Dichloropropene	81	U
Bromomethane	81	U	Ethylbenzene	81	U
n-butylbenzene	81	U	Hexachlorobutadiene	81	U
sec-butylbenzene	81	U	Isopropylbenzene	81	U
tert-butylbenzene	81	U	p-isopropyltoluene	81	U
Carbon Tetrachloride	81	U	Methylene Chloride	404	U
Chlorobenzene	81	U	Methyl-tert-butyl ether (MTBE)	81	U
Chloroethane	81	U	Naphthalene	81	U
Chloroform	61	U	n-Propylbenzene	81	U
Chloromethane	81	U	Styrene	81	U
2-Chlorotoluene	81	U	1,1,1,2-Tetrachloroethane	81	U
4-Chlorotoluene	81	U	1,1,2,2-Tetrachloroethane	61	U
Dibromochloromethane	61	U	Tetrachloroethene	81	U
1,2-Dibromo-3-chloropropane	81	U	Toluene	81	U
1,2-Dibromoethane	61	U	1,2,3-Trichlorobenzene	81	U
Dibromomethane	81	U	1,2,4-Trichlorobenzene	81	U
1,2-Dichlorobenzene	81	U	1,1,1-Trichloroethane	81	U
1,3-Dichlorobenzene	81	U	1,1,2-Trichloroethane	61	U
1,4-Dichlorobenzene	81	U	Trichloroethene	81	U
Dichlorodifluoromethane	81	U	Trichlorofluoromethane	81	U
1,1-Dichloroethane	81	U	1,2,3-Trichloropropane	81	U
1,2-Dichloroethane	61	U	1,2,4-Trimethylbenzene	81	U
1,1-Dichloroethene	61	U	1,3,5-Trimethylbenzene	81	U
cis-1,2-Dichloroethene	81	U	Vinyl Chloride	81	U
trans-1,2-Dichloroethene	81	U	o-Xylene	81	U
1,2-Dichloropropane	61	U	m,p-Xylene	81	U
Acetone	809	U	Diethyl ether	81	U
Carbon Disulfide	81	U	2-Hexanone	809	U
Tetrahydrofuran	404	U	Methyl isobutyl ketone	809	U
Methyl ethyl ketone	809	U	Di-isopropyl ether (DIPE)	81	U
t-Butyl alcohol (TBA)	1620	U	Ethyl t-butyl ether (ETBE)	81	U
t-Amyl methyl ether (TAME)	81	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	82	%	d8-Toluene	89	%	Bromofluorobenzene	87 %

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

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

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

8260 full

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April 25, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London-Site 7

Project Number: CTO104

Field Sample ID: NSB-NLON-SITE7-WC-SL-04

SAMPLE DATA

Lab Sample ID: 56279-1
Matrix: Solid
Percent Solid: 89
Dilution Factor: 1.1
Collection Date: 04/17/06
Lab Receipt Date: 04/18/06
Extraction Date: 04/19/06
Analysis Date: 04/20/06

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg	ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg
2-Chlorophenol	270	U	Pentachlorophenol	270	U
4-Chloro-3-methylphenol	270	U	Phenol	270	U
2,4-Dichlorophenol	270	U	2,4,5-Trichlorophenol	270	U
2,4-Dimethylphenol	270	U	2,4,6-Trichlorophenol	270	U
2,4-dinitrophenol	270	U	Benzoic Acid	270	U
4,6-Dinitro-2-methylphenol	270	U	2-Methylphenol	270	U
2-Nitrophenol	270	U	3+4-Methylphenol	270	U
2,6-Dichlorophenol	270	U	Benzyl Alcohol	270	U
4-Nitrophenol	270	U	2,3,4,6-Tetrachlorophenol	270	U

Acid Surrogate Standard Recovery

2-Fluorophenol	64 %	d5-Phenol	78 %	2,4,6-Tribromophenol	112 %

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
1,2-Dichlorobenzene	270	U	Hexachlorobenzene	270	U
1,3-Dichlorobenzene	270	U	* Benzidine	270	U
1,4-Dichlorobenzene	270	U	3,3'-Dichlorobenzidine	270	U
2,4-Dinitrotoluene	270	U	Azobenzene	270	U
2,6-Dinitrotoluene	270	U	Bis(2-chloroethoxy)methane	270	U
Nitrobenzene	270	U	bis(2-chloroethyl) ether	270	U
Hexachlorobutadiene	270	U	bis(2-chloroisopropyl)ether	270	U
Dimethyl Phthalate	270	U	4-bromophenyl phenyl ether	270	U
Di-n-butyl phthalate	270	U	Butyl benzyl phthalate	270	U
di-n-octyl-phthalate	270	U	4-Chlorophenyl phenyl ether	270	U
Bis (2-ethylhexyl) phthalate	270	U	Diethyl Phthalate	270	U
1,2,4-Trichlorobenzene	270	U	Hexachlorocyclopentadiene	270	U

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

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8270/625 layout

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April 25, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London-Site 7

Project Number: CTO104

Field Sample ID: NSB-NLON-SITE7-WC-SL-04

SAMPLE DATA

Lab Sample ID: 56279-1
Matrix: Solid
Percent Solid: 89
Dilution Factor: 1.1
Collection Date: 04/17/06
Lab Receipt Date: 04/18/06
Extraction Date: 04/19/06
Analysis Date: 04/20/06

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Acenaphthene	270	U	N-nitrosodimethylamine	270	U
Acenaphthylene	270	U	N-nitroso-di-n-propylamine	270	U
Anthracene	270	U	n-nitrosodiphenylamine	270	U
Benzo[a]anthracene	270	U	Pyridine	270	U
Benzo[a] pyrene	270	U	2-Methylnaphthalene	270	U
Benzo[b] fluoranthene	270	U	2-Chloronaphthalene	270	U
Benzo[k] fluoranthene	270	U	Naphthalene	270	U
Benzo(g,h,i) perylene	270	U	Phenanthrene	270	U
Chrysene	270	U	Dibenzofuran	270	U
Dibenz [a,h] anthracene	270	U	Aniline	270	U
Fluoranthene	270	**188 J**	4-Chloroaniline	270	U
Fluorene	270	U	2-Nitroaniline	270	U
Indeno [1,2,3-cd] pyrene	270	U	3-Nitroaniline	270	U
Pyrene	270	**151 J**	4-Nitroaniline	270	U
Hexachloroethane	270	U	Carbazole	270	U
Isophorone	270	U			

Base Neutral Surrogate Standard Recovery

2-Fluorobiphenyl	80	%	d5-nitrobenzene	63	%	d14-p-terphenyl	83 %

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: *Due to the reactive nature of this compound, the Benzidine quantitation limit is estimated.
Results are expressed on a dry weight basis.

8270/625 layout

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April 25, 2006

CLIENT SAMPLE ID

Project Name:	Subbase New London-Site 7
Project Number:	CTO104
Client Sample ID:	NSB-NLON-SITE7-WC-SL-04

SAMPLE DATA

Lab Sample ID:	56279-1
Matrix:	Solid
Percent Solid:	89%
Dilution Factor:	36
Collection Date:	04/17/06
Lab Receipt Date:	04/18/06
Analysis Date:	04/20/06

ANALYTICAL RESULTS TOTAL GASOLINE

Result	Units	Detection Limit
U	µg/kg	809

Surrogate Standard Recovery

Trifluorotoluene	112%

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

METHODOLOGY: Sample analysis conducted according to: Test Methods for Evaluating Solid Waste, Method 8015B .

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

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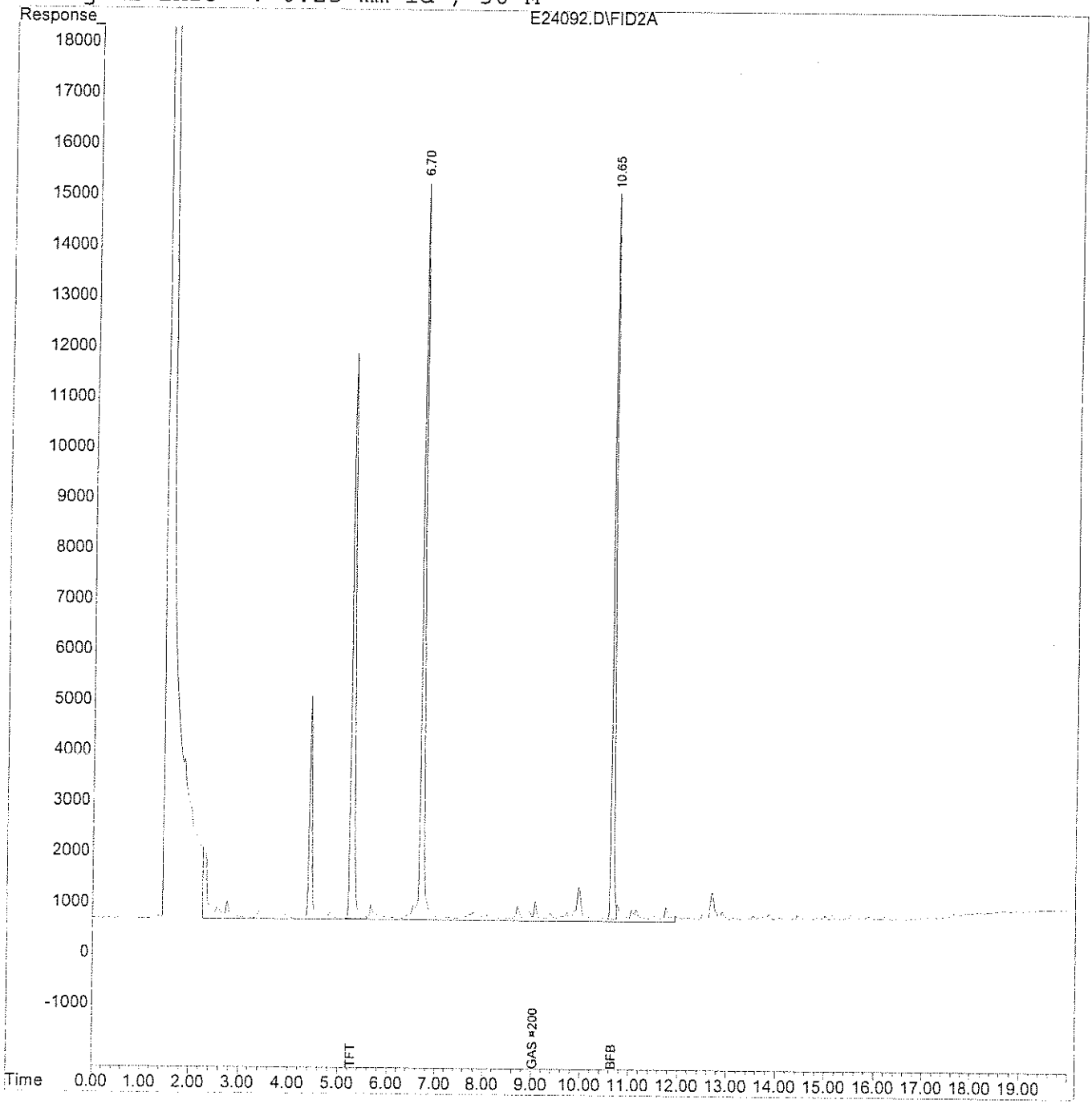
Data File : C:\HPCHEM\1\DATA\041906-E\E24092.D Vial: 13
Acq On : 20 Apr 2006 12:14 am Operator:
Sample : 56279-1 Inst : Instrumen
Misc : 100,6.94,SOIL Multiplr: 1.00
IntFile : GLO.E
Quant Time: Apr 20 0:38 2006 Quant Results File: GAS01276.RES

Quant Method : C:\HPCHEM\1\METHODS\GAS01276.M (Chemstation Integrator)
Title : GAS
Last Update : Wed Apr 19 22:01:50 2006
Response via : Multiple Level Calibration
DataAcq Meth : GRO.M

Volume Inj. : Purge & Trap
Signal Phase : DB-502.2
Signal Info : 0.25 mm id , 30 M



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April 25, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London-Site 7

Project Number: CTO104

Field Sample ID: NSB-NLON-SITE7-WC-SL-04

SAMPLE DATA

Lab Sample ID: 56279-1
Matrix: Solid
Percent Solid: 89
Dilution Factor: 1.1
Collection Date: 04/17/06
Lab Receipt Date: 04/18/06
Extraction Date: 04/19/06
Analysis Date: 04/21/06

ANALYTICAL RESULTS

DIESEL RANGE ORGANICS (C10-C28)

Result	Units	Quantitation Limit
49	mg/kg	6

Surrogate Standard Recovery

m-Terphenyl	106	%

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

METHODOLOGY: Aqueous samples prepared by Separatory Funnel Liquid/Liquid Extraction, "Test Methods for Evaluating Solid Waste," Method 3510C; other matrices prepared by Pressurized Fluid Extraction, "Test Methods for Evaluating Solid Waste," Method 3545.

All matrices analyzed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8100"

COMMENTS: Results are expressed on a dry weight basis. Chromatogram contains peaks which elute after the DRO window.

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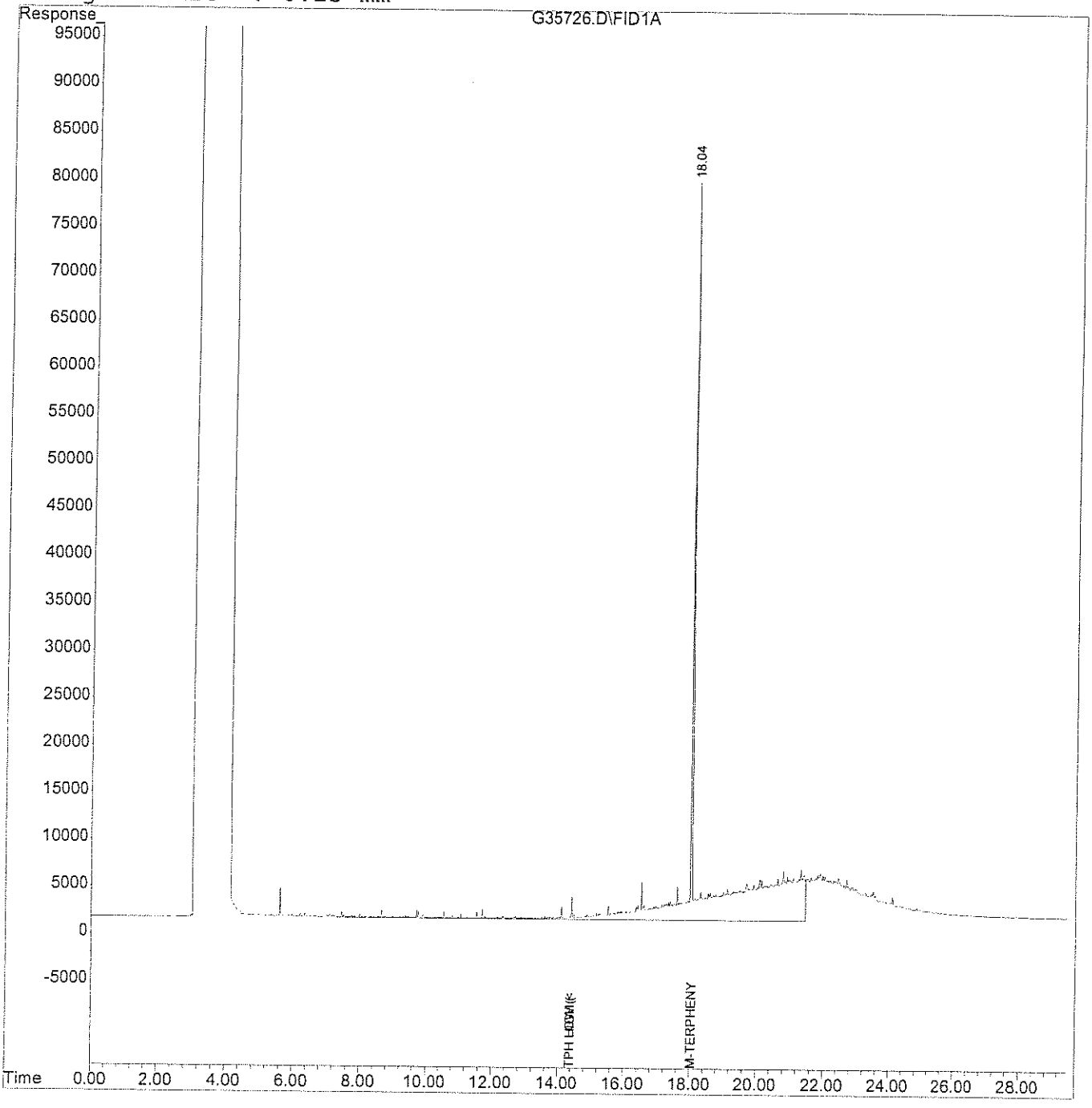
Data File : D:\HPCHEM\1\DATA\042106-G\G35726.D Vial: 18
Acq On : 21 Apr 2006 5:18 pm Operator:
Sample : 56279-1 Inst : INSTRUMEN
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Apr 24 8:24 2006 Quant Results File: T04136A.RES

Quant Method : D:\HPCHEM\1\METHODS\T04136A.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Apr 13 09:50:25 2006
Response via : Multiple Level Calibration
DataAcq Meth : TPHEPH1.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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April 25, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London-Site 7

Project Number: CTO104

Field Sample ID: NSB-NLON-SITE7-WC-SL-04

SAMPLE DATA

Lab Sample ID: 56279-1
Matrix: Solid
Percent Solid: 89
Dilution Factor: 1.1
Collection Date: 04/17/06
Lab Receipt Date: 04/18/06
Extraction Date: 04/18/06
Analysis Date: 04/18/06

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	17	U
PCB-1221	17	U
PCB-1232	17	U
PCB-1242	17	U
PCB-1248	17	U
PCB-1254	17	U
PCB-1260	17	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	89	%
Decachlorobiphenyl	92	%

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

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

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April 25, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London-Site 7
Project Number: CTO104
Client Sample ID: NSB-NLON-SITE7-WC-SL-04

SAMPLE DATA

Lab Sample ID: 56279-1
Matrix: Solid
Collection Date: 04/17/06 Time Collected: 11:00
Lab Receipt Date: 04/18/06
Analysis Date: 04/18/06 Time Analyzed: 16:13

pH ANALYSIS

Sample	Result	Units
56279-1	**7.3**	pH Units

METHODOLOGY: Sample analyzed according to "EPA SW 846 Method 9045 pH in solid"

COMMENTS:

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April 25, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London-Site
Project Number: CTO104
Client Sample ID: NSB-NLON-SITE7-WC-SL-04

SAMPLE DATA

Lab Sample ID: 56279-1
Matrix: Solid
Collection Date: 04/17/06 11:00
Lab Receipt Date: 04/18/06
Analysis Date: 04/18/06

Flash Point Analysis

Sample	Result	Units
56279-1	>165	° Fahrenheit

METHODOLOGY: Sample analysis was conducted according to "Test Methods for Evaluating Solid Waste, EPA SW-846, Method 1010."

COMMENTS:

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April 25, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London-Site
Project Number: CTO104
Client Sample ID: NSB-NLON-SITE7-WC-SL-04

SAMPLE DATA

Lab Sample ID: 56279-1
Matrix: Solid
Percent Solid 89%
Collection Date: 04/17/06 11:00
Lab Receipt Date: 04/18/06
Analysis Date: 04/20/06

REACTIVITY

	Result	Units	Detection Limit	Dilution Factor
Sulfide Reactivity	U	mg/kg	11	0.9
Cyanide Reactivity	U	mg/kg	11	1

U denotes undetected

METHODOLOGY: As of July 2005 EPA has withdrawn these methods from Test Methods for Evaluating Solid Waste ,SW-856. Sulfide reactivity analysis by Modified Method 7.3.4.2. and Cyanide reactivity analysis Cyanide by Modified Method 7.3.3.2."

Note: In July 2005 EPA withdrew the above reactivity methods from "Test Methods for Evaluating Solid Waste, SW-846". These methoods are being analyzed to satisfy requirements for permit-holders only.

COMMENTS: **Results are expressed on a dry weight basis.**

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April 25, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London-Site
Project Number: CTO104
Client Sample ID: NSB-NLON-SITE7-WC-SL-04

SAMPLE DATA

Lab Sample ID: 56279-1
Matrix: Solid
Collection Date: 04/17/06
Lab Receipt Date: 04/18/06
Analysis Date: 04/20/06

PAINT FILTER LIQUIDS TEST

Sample	Result
56279-1	**No Free Liquids**

METHODOLOGY: Sample was analyzed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 9095"

COMMENTS:

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April 25, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London-Site 7

Project Number: CTO104

Field Sample ID: NSB-NLON-SITE7-WC-SL-04

SAMPLE DATA

Lab Sample ID:	56279-2
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	100
Collection Date:	04/17/06
Lab Receipt Date:	04/18/06
TCLP Extraction Date:	04/18/06
Analysis Date:	04/20/06

ANALYTICAL RESULTS
TCLP VOLATILE ORGANICS

COMPOUND	Detection Limit µg/L	Result µg/L	Regulatory Limit µg/L	Matrix Spike Percent Recovery
Vinyl chloride	200	U	200	113
Trichloroethene	200	U	500	123
Tetrachloroethene	200	U	700	123
Chloroform	200	U	6,000	111
Carbon tetrachloride	200	U	500	106
1,1-Dichloroethene	200	U	700	103
1,2-Dichloroethane	200	U	500	119
Chlorobenzene	200	U	100,000	111
Benzene	200	U	500	105
Methyl ethyl ketone	1000	U	200,000	108

Surrogate Standard Recovery

d4-1,2-Dichloroethane	99 %	d8-Toluene	102 %	Bromofluorobenzene	99 %

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

METHODOLOGY: TCLP sample extraction was performed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 1311." TCLP extract analysis was conducted according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8260B."

COMMENTS:

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CLIENT SAMPLE ID

Project Name: Subbase New London-Site 7

Project Number: CTO104

Field Sample ID: NSB-NLON-SITE7-WC-SL-04

SAMPLE DATA

Lab Sample ID:	56279-2
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	5.0
Collection Date:	04/17/06
Lab Receipt Date:	04/18/06
TCLP Extraction Date:	04/18/06
Preparative Extraction Date:	04/20/06
Analysis Date:	04/21/06

ANALYTICAL RESULTS TCLP SEMI-VOLATILE ORGANICS

COMPOUND	Detection Limit µg/L	Result µg/L	Regulatory Limit µg/L	Matrix Spike Percent Recovery
2-Methylphenol	25	U	200,000	75
3+4-Methylphenol	25	U	200,000	22
1,4-Dichlorobenzene	10	U	7,500	62
2,4-Dinitrotoluene	10	U	130	97
Hexachlorobenzene	10	U	130	97
Hexachlorobutadiene	10	U	500	53
Hexachloroethane	10	U	3,000	58
Nitrobenzene	10	U	2,000	78
Pentachlorophenol	50	U	100,000	88
Pyridine	10	U	5,000	50
2,4,5-Trichlorophenol	25	U	400,000	95
2,4,6-Trichlorophenol	25	U	2,000	92

Surrogate Standard Recovery

2-Fluorophenol	49 %	d5-Phenol	35 %	d5-nitrobenzene	75 %
2-Fluorobiphenyl	80 %	2,4,6-Tribromophenol	94 %	d14-p-terphenyl	74 %

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

METHODOLOGY: TCLP sample extraction was performed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 1311." TCLP extract analysis was conducted according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8270c."

COMMENTS:

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April 25, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London-Site 7

Project Number: CTO104

Field Sample ID: NSB-NLON-SITE7-WC-SL-04

SAMPLE DATA

Lab Sample ID:	56279-2
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	4
Collection Date:	04/17/06
Lab Receipt Date:	04/18/06
TCLP Extraction Date:	04/18/06
Extraction Date:	04/20/06
Analysis Date:	04/21/06

TCLP ORGANOCHLORINE PESTICIDE RESULTS

COMPOUND	Quantitation Limit µg/L	Results µg/L	Regulatory Limit µg/L	Matrix Spike Percent Recovery
Chlordane	8	U	30	93
Endrin	8	U	20	132
Heptachlor	8	U	8	116
Heptachlor Epoxide	8	U	8	100
Lindane	8	U	400	103
Methoyxchlor	8	U	10,000	186
Toxaphene	8	U	500	89

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	86	%
Decachlorobiphenyl	95*	%

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

METHODOLOGY: TCLP sample extraction was performed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 1311." TCLP extract analysis was conducted according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8081."

COMMENTS: * Surrogate recovery outside control limits. Secondary surrogate is in control.

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CLIENT SAMPLE ID

Project Name:	Subbase New London-Site 7
Project Number:	CTO104
Client Sample ID:	NSB-NLON-SITE7-WC-SL-04

SAMPLE DATA

Lab Sample ID:	56279-2
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	5
Collection Date:	04/17/06
Lab Receipt Date:	04/18/06
TCLP Extraction Date:	04/18/06
Extraction Date:	04/19/06
Analysis Date:	04/21/06

TCLP CHLORINATED HERBICIDE RESULTS

COMPOUND	Quantitation Limit µg/L	Results µg/L	Regulatory Limit µg/L	Matrix Spike Percent Recovery
2,4-D	5	U	10,000	88%
2,4,5-TP (Silvex)	5	U	1,000	99%

Surrogate Standard Recovery

2,4-Dichlorophenylacetic acid 72 %

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

METHODOLOGY: TCLP sample extraction was performed according to Test Methods for Evaluating Solid Waste, SW-846 Method 1311. TCLP extract analysis was conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8151.

COMMENTS:

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SEVERN TRENT STL

ANALYTICAL REPORT

Job Number: 680-15787-1

Job Description: Analytics

For:
Analytics Environmental Laboratory, LLC
195 Commerce Way
Suite E
Portsmouth, NH 03801

Attention: Mr. Stephen Knollmeyer

Bernard Kirkland
Project Manager I
bkirkland@stl-inc.com
04/26/2006

Project Manager: Bernard Kirkland

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the STL Project Manager who signed this report.

METHOD SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15787-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Inductively Coupled Plasma - Atomic Emission Spectrometry	STL-SAV	SW846 6010B	
Toxicity Characteristic Leaching Procedure	STL-SAV		SW846 1311
Acid Digestion of Aqueous Samples and Extracts	STL-SAV		SW846 3010A
Acid Digestion of Sediments, Sludges, and Soils	STL-SAV		SW846 3050B
Mercury in Liquid Waste (Manual Cold Vapor Technique)	STL-SAV	SW846 7470A	
Toxicity Characteristic Leaching Procedure	STL-SAV		SW846 1311
Mercury in Liquid Waste (Manual Cold Vapor	STL-SAV		SW846 7470A
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	STL-SAV	SW846 7471A	
Mercury in Solid or Semi-Solid Waste (Manual	STL-SAV		SW846 7471A
Total Organic Carbon	STL-SAV	SW846 9060	
Percent Moisture	STL-SAV	EPA PercentMoisture	

LAB REFERENCES:

STL-SAV = STL-Savannah

METHOD REFERENCES:

EPA - US Environmental Protection Agency

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15787-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-15787-1	NSB-NLON-Site7-WC-SL-04 / 56279-1	Solid	04/17/2006 1100	04/20/2006 1510
680-15787-3	NSB-NLON-Site7-WC-SL-04 / 56279-2	Solid	04/17/2006 1100	04/20/2006 1510

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15787-1

Client Sample ID: NSB-NLON-Site7-WC-SL-04 / 56279-1

Lab Sample ID: 680-15787-1
Client Matrix: Solid % Moisture: 8.4

Date Sampled: 04/17/2006 1100
Date Received: 04/20/2006 1510

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 04/26/2006 1348
Date Prepared: 04/25/2006 1124

Analysis Batch: 680-42989
Prep Batch: 680-42823

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 1.11 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		1.4	J	0.66	2.5
Silver		0.097	U	0.097	0.98
Barium		62		0.30	0.98
Cadmium		0.42	J	0.22	0.74
Chromium		13	B	0.13	0.98
Lead		38		0.21	0.74
Selenium		0.89	U	0.89	3.0
Beryllium		0.23	J	0.017	0.39
Nickel		6.3		0.26	3.9

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 04/26/2006 1006
Date Prepared: 04/25/2006 1336

Analysis Batch: 680-42934
Prep Batch: 680-42844

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 1.05 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.030		0.0042	0.021

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15787-1

Client Sample ID: NSB-NLON-Site7-WC-SL-04 / 56279-2

Lab Sample ID: 680-15787-3
Client Matrix: Solid

Date Sampled: 04/17/2006 1100
Date Received: 04/20/2006 1510

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-TCLP

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 04/24/2006 0202
Date Prepared: 04/21/2006 1035

Analysis Batch: 680-42721
Prep Batch: 680-42583

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 5 mL
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.052	U	0.052	0.20
Barium		0.16	J B	0.012	1.0
Cadmium		0.010	U	0.010	0.10
Chromium		0.0095	U	0.0095	0.20
Lead		0.14	J	0.035	0.20
Selenium		0.054	U	0.054	0.50
Silver		0.010	U	0.010	0.10

7470A Mercury in Liquid Waste (Manual Cold Vapor Technique)-TCLP

Method: 7470A
Preparation: 7470A
Dilution: 1.0
Date Analyzed: 04/26/2006 0922
Date Prepared: 04/25/2006 1500

Analysis Batch: 680-42932
Prep Batch: 680-42862

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 0.50 mL
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		0.0080	U	0.0080	0.020

General Chemistry

Client Sample ID: **NSB-NLON-Site7-WC-SL-04 / 56279-1**

Lab Sample ID: 680-15787-1
Client Matrix: Solid

Date Sampled: 04/17/2006 1100
Date Received: 04/20/2006 1510

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	11000		mg/Kg	390	1000	1.0	9060
	Anly Batch: 680-42979	Date Analyzed	04/26/2006 1230			DryWt Corrected: N	

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	8.4		%	1.0	1.0	PercentMoistur
	Anly Batch: 680-42866	Date Analyzed	04/25/2006 1529			
Percent Solids	92		%	1.0	1.0	PercentMoistur
	Anly Batch: 680-42866	Date Analyzed	04/25/2006 1529			

DATA REPORTING QUALIFIERS

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15787-1

Lab Section	Qualifier	Description
Metals		
	U	Analyte was not detected at or above the reporting limit.
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
General Chemistry		
	U	Analyte was not detected at or above the reporting limit.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15787-1

Method Blank - Batch: 680-42583

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID: MB 680-42502/4-D
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/24/2006 0129
Date Prepared: 04/21/2006 1035
Date Leached: 04/20/2006 1522

Analysis Batch: 680-42721
Prep Batch: 680-42583
Units: mg/L

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 5 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Arsenic	0.052	U	0.052	0.20
Barium	0.012	U	0.012	1.0
Cadmium	0.010	U	0.010	0.10
Chromium	0.0095	U	0.0095	0.20
Lead	0.035	U	0.035	0.20
Selenium	0.054	U	0.054	0.50
Silver	0.010	U	0.010	0.10

Laboratory Control Sample - Batch: 680-42583

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID: LCS 680-42583/5-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/24/2006 0133
Date Prepared: 04/21/2006 1035

Analysis Batch: 680-42721
Prep Batch: 680-42583
Units: mg/L

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 5 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	20.0	19.1	95	75 - 125	
Barium	20.0	20.2	101	75 - 125	
Cadmium	0.500	0.480	96	75 - 125	
Chromium	2.00	1.95	98	75 - 125	
Lead	5.00	4.83	97	75 - 125	
Selenium	20.0	19.0	95	75 - 125	
Silver	0.500	0.485	97	75 - 125	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15787-1

Method Blank - Batch: 680-42823

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 680-42823/17-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/26/2006 1339
Date Prepared: 04/25/2006 1124

Analysis Batch: 680-42989
Prep Batch: 680-42823
Units: mg/Kg

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Arsenic	0.67	U	0.67	2.5
Silver	0.099	U	0.099	1.0
Barium	0.30	U	0.30	1.0
Cadmium	0.22	U	0.22	0.75
Chromium	0.13	U	0.13	1.0
Lead	0.21	U	0.21	0.75
Selenium	0.90	U	0.90	3.0
Beryllium	0.017	U	0.017	0.40
Nickel	0.26	U	0.26	4.0

Laboratory Control Sample - Batch: 680-42823

Method: 6010B
Preparation: 3050B

Lab Sample ID: LCS 680-42823/18-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/26/2006 1344
Date Prepared: 04/25/2006 1124

Analysis Batch: 680-42989
Prep Batch: 680-42823
Units: mg/Kg

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	200	192	96	75 - 125	
Silver	5.00	4.83	97	75 - 125	
Barium	200	205	103	75 - 125	
Cadmium	5.00	4.61	92	75 - 125	
Chromium	20.0	19.8	99	75 - 125	
Lead	50.0	47.8	96	75 - 125	
Selenium	200	180	90	75 - 125	
Beryllium	5.00	5.17	103	75 - 125	
Nickel	50.0	49.7	99	75 - 125	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15787-1

Method Blank - Batch: 680-42862

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID: MB 680-42862/5-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/26/2006 0856
Date Prepared: 04/25/2006 1500

Analysis Batch: 680-42932
Prep Batch: 680-42862
Units: mg/L

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 0.50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	0.0080	U	0.0080	0.020

Laboratory Control Sample - Batch: 680-42862

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID: LCS 680-42862/6-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/26/2006 0858
Date Prepared: 04/25/2006 1500

Analysis Batch: 680-42932
Prep Batch: 680-42862
Units: mg/L

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 0.50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.250	0.244	98	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15787-1

Method Blank - Batch: 680-42844

Method: 7471A
Preparation: 7471A

Lab Sample ID: MB 680-42844/5-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/26/2006 1001
Date Prepared: 04/25/2006 1336

Analysis Batch: 680-42934
Prep Batch: 680-42844
Units: mg/Kg

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	0.0040	U	0.0040	0.020

Laboratory Control Sample - Batch: 680-42844

Method: 7471A
Preparation: 7471A

Lab Sample ID: LCS 680-42844/6-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/26/2006 1004
Date Prepared: 04/25/2006 1336

Analysis Batch: 680-42934
Prep Batch: 680-42844
Units: mg/Kg

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.125	0.13	101	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15787-1

Method Blank - Batch: 680-42979

Method: 9060
Preparation: N/A

Lab Sample ID: MB 680-42979/1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/26/2006 1230
Date Prepared: N/A

Analysis Batch: 680-42979
Prep Batch: N/A
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mg
Final Weight/Volume:

Analyte	Result	Qual	MDL	RL
Total Organic Carbon	390	U	390	1000

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 680-42979

Method: 9060
Preparation: N/A

LCS Lab Sample ID: LCS 680-42979/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/26/2006 1230
Date Prepared: N/A

Analysis Batch: 680-42979
Prep Batch: N/A
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 20.1 mg
Final Weight/Volume:

LCSD Lab Sample ID: LCSD 680-42979/3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/26/2006 1230
Date Prepared: N/A

Analysis Batch: 680-42979
Prep Batch: N/A
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 20.3 mg
Final Weight/Volume:

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Organic Carbon	85	82	60 - 140	3	40		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15787-1

Matrix Duplicate - Batch: 680-42979

Method: 9060
Preparation: N/A

Lab Sample ID: 680-15787-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/26/2006 1230
Date Prepared: N/A

Analysis Batch: 680-42979
Prep Batch: N/A
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 95.4 mg
Final Weight/Volume:

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Organic Carbon	11200	11900	6	40	

Calculations are performed before rounding to avoid round-off errors in calculated results.

SR 6A

Chain Of Custody Form

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 2, 10/25/04

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C _____
3) Received in good condition Y or N
4) pH checked by: _____
5) Labels checked by: _____

Project#: GTO 104 Proj. Name: Subase NewLondon-Site7

Company: ANALYTICS Environmental Laboratory LLC

Contact: Stephen Knollmeyer

Address: 195 COMMERCE WAY
PORTSMOUTH, NH 03801

Phone: 603-436-5111 PO# Quote #

Sampler (Signature): Paul Anderson

Matrix Key:
WW=Wastewater
SW=Surfacewater
GW=Groundwater
DW=Drinkingwater
S=Soil/Sludge
O=Oil
E=Extract
X=Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Preservation: Unpres	4°C	HNO3	H2SO4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
NSB-NLON-Site7-	4-17-06	11:00	TOC		X						S	1	G		56279-1
WC-SE-04	1	1	RCRA 8 metals		X						S	1	G		
	1	1	TCLP metals		X	X					E	1	P		-2

TEMP.: 22

Email RESULTS? YES NO
Email sknollmeyer@analyticslab.com
Fax RESULTS? YES NO
Fax# 603-430-2151

Comments / Instructions:
Please reference Station ID number and AEL Lab number on report(s). 68-15787
STD Report
DOD QSM
TCLP EXTRACTION DATE: 4/19/06

Turnaround Request
Standard ☐ Due Date _____
Priority ☒ Due Date 4-25-06

Page 1 of 1

Analytics\AEL Documents\AEL COC

Relinquished By Sampler:	Received By: UPS	Relinquished By:	Received By:	Relinquished By:	Received By:
Date: 4/19/06	Time: 1551	Date: 4/20/06	Time: 15:10	Date:	Time:

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SL 6A

Chain Of Custody Form

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 2, 10/25/04

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C _____
3) Received in good condition Y or N
4) pH checked by: _____
5) Labels checked by: _____

Project#: GTO 104 Proj. Name: Subbase NewLondon-Site7
Company: ANALYTICS Environmental Laboratory LLC
Contact: Stephen Knollmeyer
Address: 195 COMMERCE WAY
PORTSMOUTH, NH 03801
Phone: 603-436-5111 PO# Quote #
Sampler (Signature): Paul Anderson

Matrix Key:
WW=Wastewater
SW=Surfacewater
GW=Groundwater
DW=Drinkingwater
S=Soil/Sludge
O=Oil
E=Extract
X=Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Preservation: Unpres	4°C	HNO3	H2SO4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
NSB-NLON-Site7-	4-17-06	11:00	TOC		X						S	1	G		56279-1
WC-SL-04	1	1	RCRA 8 metals		X						S	1	G		
			TCLP metals		X	X					E	1	P		-2

TEMP.: 22

Email RESULTS? YES NO
Email sknollmeyer@analyticslab.com
Fax RESULTS? YES NO
Fax# 603-430-2151

Comments / Instructions:
Please reference Station ID number and AEL Lab number on report(s). 68-15787
STD Report
TOD @ 5M
TCLP EXTRACTION DATE: 4/19/06

Turnaround Request
Standard ☐ Due Date _____
Priority ☒ Due Date 4-25-06

Page 1 of 1

	Received By:	Time:	Date:	Relinquished By Sampler:
	UPS	1551	4/19/06	
		15:10	4/20/06	Relinquished By:
		Time:	Date:	Relinquished By:

Analytics\AEL Documents\AEL COC

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Chain Of Custody Form

analytics environmental laboratory LLC
195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

Project#: CTO 104 Proj. Name: Subbase Newlondon - Site 7
Company: Tteci
Contact: Rick Woodworth
Address:
Phone: PO# Quote #
Sampler (Signature): Paul W. Anderson

Matrix Key:
WW=Wastewater
SW=Surfacewater
GW=Groundwater
DW=Drinkingwater
S=Soil/Sludge
O=Oil
E=Extract
X=Other

For Analytics Use Only Rev. 2, 10/25/04
Samples were: 1) shipped or hand-delivered 2) Temp blank °C 4.0 3) Received in good condition Y or N 4) pH checked by: NA 5) Labels checked by: 4/18/06

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4°C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
NSB-NLON-SITE7-WC-SL-04	4-17-06	1100	Total VOC		X				X		S	1			56279-1
			%Solids	X	X							1			-1
			Flashpoint	X	X							2			-1
			TCLP VOC	X	X							1			-2
			TOC	X	X							1			-1
			RCRA8 Metals	X	X							1			-1
			Full TCLP	X	X							2			-2
			PCB, Reactivity, pH/Corr. SVOC, TPH, Paint	X	X						↓	2			-1

Email RESULTS? YES NO
Email _____
Fax RESULTS? YES NO
Fax# _____

Comments / Instructions:
Waste characterization sample from dig on South side of B325.

Turnaround Request
Standard [5] Due Date _____ Priority [ ] Due Date _____

5 day turnaround

Page 1 of 1

Relinquished By Sampler:	Received By:	Date:	Time:
Paul W Anderson	Fed Ex	4-17-06	1200
Relinquished By: Fed Ex	Received By:	Date: 4.18.06	Time: 1045
Relinquished By:	Received By:	Date:	Time:

ANALYTICS SAMPLE RECEIPT CHECKLIST

analytics environmental laboratory LLC

AEL LAB#: 56279 COOLER NUMBER: NA

CLIENT: Tetra Tech NUMBER OF COOLERS: 1

PROJECT: Seabrees Newlonton-Site 7 DATE RECEIVED: 4.18.06

A: PRELIMINARY EXAMINATION: DATE COOLER OPENED: 4.18.06

1. Cooler received by(initials) MJG Date Received: 4.18.06
2. Did cooler come with a shipping slip? yes (Y) N

If YES, enter carrier name and airbill number here: FedEx

3. Were custody seals on the outside of cooler? no taped will not Tampered with Y (N)
How many & where: _____ Seal Date: _____ Seal Name: _____

4. Did the custody seals arrive unbroken and intact upon arrival? Tape unbroken (Y) N

5. COC#: _____

6. Were Custody papers filled out properly (ink,signed, etc)? (Y) N

7. Were custody papers sealed in a plastic bag? (Y) N

8. Did you sign the COC in the appropriate place? (Y) N

9. Was the project identifiable from the COC papers? (Y) N

10. Was enough ice used to chill the cooler? (Y) N Temp. of cooler: 4.0

B. Log-In: Date samples were logged in: 4.18.06 By: _____

11. Type of packing in cooler(bubble wrap, popcorn) (Y) N

12. Were all bottles sealed in separate plastic bags? (Y) N

13. Did all bottles arrive unbroken and were labels in good condition? (Y) N

14. Were all bottle labels complete(ID,Date,time,etc.) (Y) N

15. Did all bottle labels agree with custody papers? (Y) N

16. Were the correct containers used for the tests indicated: (Y) N

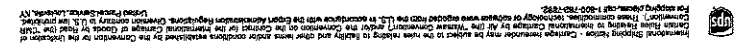
17. Were samples received at the correct pH? Y NA N

18. Was sufficient amount of sample sent for the tests indicated? (Y) N

19. Were bubbles absent in VOA samples? Y NA N

If NO, List sample #'s: _____

20. Laboratory labeling verified by (initials): MJ Date: 4.18.06



ORIGIN ID: GONA (860)448-1180
Jon Cary
The Mail Room
255 Route 12. Ste 1

Groton, CT 06340
UNITED STATES US

Ship Date: 17APR06
ActWgt: 24 LB
System#: 9778005/WBUS0200
Account: S *********
Dimmed: 20x14x12 IN

TO (603)436-5111

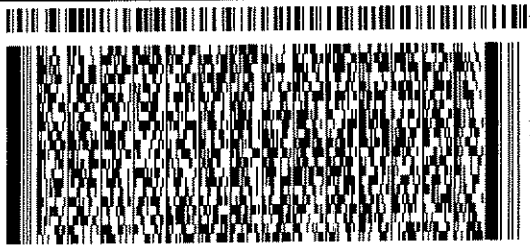
ANALYTICS
195 COMMERCE WAY STE E

Portsmouth, NH 03801

FedEx
Express

CLS0223O6/16/2B

REF: 01858294
PO:
Inv: Dept:



Delivery Address Barcode

BILL SENDER

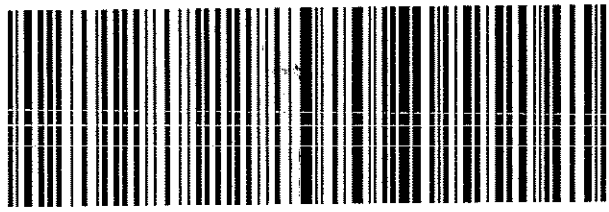
PRIORITY OVERNIGHT

TUE
Deliver By:
18APR06

TRK# 7908 8789 5920 Form 0201

MHT AA

03801 -NH-US 03 PSMA



PAH Form 1 Data Sheet for Samples and Blanks
Chromatograms and Raw Data
PAH Form 2 Surrogate Recoveries
PAH Form 3 MS/MSD (LCS) Recoveries
Chromatograms and Raw Data
PAH Form 4 Method Blank Summary (equiv.) GC/MS Logbook Sheets
PAH Form 5 DFTPP Tune Summaries
Chromatograms and Raw Data
PAH Form 6 Initial Calibration Data (equiv..) Response Factor Report
Chromatograms and Raw Data
PAH Form 7 Continuing Calibration Check (equiv.)
Chromatograms and Raw Data
PAH Form 8 Internal Standard Area and RT Summary
Chain of Custody (COC) Forms and Sample Receipt Checklist

QC NON CONFORMANCE SUMMARY

Sample Receipt:
No QC deviations.

VOCs by EPA Method 8260:
The following analytes were not 'J" flagged in this report: Methylene choride, Diethyl ether, Acetone, Hexachlorobutadiene, Naphthalene, and 1,2-Dichloroethane.

Sample 56323-8 (NSB-NLON-Site7-CS-SL-EXS-SWS-11) had surrogate recoveries outside the laboratory acceptance criteria. The sample was analyzed previously 04/24/06 with similar results. See Form II summary. Results for second analysis are reported in this final report with a comment to this affect.

The initial calibration analyzed 04/17/06 (V804176C) had %RSD greater than 15% for Bromomethane. The average RSD of all analytes was <15%. Bromomethane had acceptable recoveries in the second source calibration check standard. Results were reported without qualification.

Vinyl Chloride had recovery outside the laboratory acceptance criteria in the laboratory control sample analyzed 04/24/06 (LS04216C). The laboratory control sample was reanalyzed (LS0421C2) with similar results. Dichlorodifluoromethane, Vinyl Chloride and Bromomethane had recoveries outside the laboratory acceptance criteria in the MS/MSD analyzed on 56323-4 (NSB-NLON-Site7-CS-SL-EXS-SWN-8). These analytes were not detected in any samples for this SDG and results were reported without qualification.

Five analytes (Bromomethane, Methyl ethyl ketone, Tetrahydrofuran, 2-Hexanone and Methyl isobutyl ketone) had %D outside the acceptance criteria in the continuing calibration standard (file C58538SC) analyzed 04/25/06. The laboratory control sample (L804256C) was in control for all analytes except Dichlorodifluoromethane that had recovery above the acceptance criteria. Results were reported without qualification.

PAHs by EPA Method 8270:
No QC deviations.

Sincerely,
ANALYTICS Environmental Laboratory, LLC

Stephen L. Knollmeyer
Laboratory Director

analytics environmental laboratory LLC

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Portsmouth, New Hampshire 03801
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Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

Report Number: 56323

Revision: Rev. 0

Re: Subbase Groton Site 7

Enclosed are the results of the analyses on your sample(s). Samples were received on 21 April 2006 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
56323-1	04/19/06	NSB-NLON-SITE7-CS-SL-EXS-SWS-3	EPA 8260 Volatile Organics	
	04/19/06	NSB-NLON-SITE7-CS-SL-EXS-SWS-3	EPA 8270 (PAH only)	
56323-2	04/19/06	NSB-NLON-SITE7-CS-SL-EXS-SWN-6	EPA 8260 Volatile Organics	
	04/19/06	NSB-NLON-SITE7-CS-SL-EXS-SWN-6	EPA 8270 (PAH only)	
56323-3	04/19/06	NSB-NLON-SITE7-CS-SL-EXS-SWN-7	EPA 8260 Volatile Organics	
	04/19/06	NSB-NLON-SITE7-CS-SL-EXS-SWN-7	EPA 8270 (PAH only)	
56323-4	04/19/06	NSB-NLON-SITE7-CS-SL-EXS-SWN-8	EPA 8260 Volatile Organics	
	04/19/06	NSB-NLON-SITE7-CS-SL-EXS-SWN-8	EPA 8270 (PAH only)	
56323-5	04/19/06	NSB-NLON-SITE7-CS-SL-EXS-SWN-9	EPA 8260 Volatile Organics	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, North Carolina, New York, Virginia, Pennsylvania and is validated by the U.S. Army Corps of Engineers (MRD) and U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature Melena Mallé for
Stephen L. Knollmeyer Lab. Director

Date 04/25/06

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analytics environmental laboratory LLC

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Report Number: 56323

Revision: Rev. 0

Re: Subbase Groton Site 7

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Lab Number	Sample Date	Station Location	Analysis	Comments
	04/19/06	NSB-NLON-SITE7-CS-SL-EXS-SWN-9	EPA 8270 (PAH only)	
56323-6	04/19/06	NSB-NLON-SITE7-CS-SL-EXS-SWN-10	EPA 8260 Volatile Organics	
	04/19/06	NSB-NLON-SITE7-CS-SL-EXS-SWN-10	EPA 8270 (PAH only)	
56323-7	04/19/06	SWN-10-041906-1	EPA 8260 Volatile Organics	
	04/19/06	SWN-10-041906-1	EPA 8270 (PAH only)	
56323-8	04/21/06	NSB-NLON-SITE7-CS-SL-EXS-SWS-11	EPA 8260 Volatile Organics	
	04/21/06	NSB-NLON-SITE7-CS-SL-EXS-SWS-11	EPA 8270 (PAH only)	
56323-9	04/21/06	NSB-NLON-SITE7-CS-SL-EXS-SWS-12	EPA 8260 Volatile Organics	
	04/21/06	NSB-NLON-SITE7-CS-SL-EXS-SWS-12	EPA 8270 (PAH only)	
56323-10	04/21/06	NSB-NLON-SITE7-CS-SL-EXS-SWS-13	EPA 8260 Volatile Organics	

Sample Receipt Exceptions: None

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Authorized signature Melena Mallicoat

Stephen L. Knollmeyer Lab. Director

Date 04/25/06

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Report Number: 56323

Revision: Rev. 0

Re: Subbase Groton Site 7

Enclosed are the results of the analyses on your sample(s). Samples were received on 21 April 2006 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
	04/21/06	NSB-NLON-SITE7-CS-SL-EXS-SWS-13	EPA 8270 (PAH only)	
56323-11	04/21/06	NSB-NLON-SITE7-CS-SL-EXS-SWW-14	EPA 8260 Volatile Organics	
	04/21/06	NSB-NLON-SITE7-CS-SL-EXS-SWW-14	EPA 8270 (PAH only)	
56323-12	04/21/06	NSB-NLON-SITE7-CS-SL-EXS-SWW-14	EPA 8260 Volatile Organics	
	04/21/06	NSB-NLON-SITE7-CS-SL-EXS-SWW-14	EPA 8270 (PAH only)	
56323-13	04/21/06	Trip Blank (03/08/06)	EPA 8260 Volatile Organics	

Sample Receipt Exceptions: None

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Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 04/25/06

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analytics environmental laboratory LLC

VOLATILE
DATA SUMMARIES

analytics environmental laboratory LLC

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Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

June 21, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number:

Field Sample ID: LAB QC

SAMPLE DATA

Lab Sample ID: MB04216C
Matrix: Solid
Percent Solid: 100
Dilution Factor: 100
Collection Date: N/A
Lab Receipt Date: N/A
Analysis Date: 04/24/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	20	U	1,3-Dichloropropane	100	U
Bromobenzene	100	U	cis-1,3-Dichloropropene	100	U
Bromochloromethane	100	U	trans-1,3-Dichloropropene	100	U
Bromodichloromethane	75	U	2,2-Dichloropropane	100	U
Bromoform	75	U	1,1-Dichloropropene	100	U
Bromomethane	100	U	Ethylbenzene	100	U
n-butylbenzene	100	U	Hexachlorobutadiene	100	U
sec-butylbenzene	100	U	Isopropylbenzene	100	U
tert-butylbenzene	100	U	p-isopropyltoluene	100	U
Carbon Tetrachloride	100	U	Methylene Chloride	500	U
Chlorobenzene	100	U	Methyl-tert-butyl ether (MTBE)	100	U
Chloroethane	100	U	Naphthalene	100	U
Chloroform	75	U	n-Propylbenzene	100	U
Chloromethane	100	U	Styrene	100	U
2-Chlorotoluene	100	U	1,1,1,2-Tetrachloroethane	100	U
4-Chlorotoluene	100	U	1,1,2,2-Tetrachloroethane	75	U
Dibromochloromethane	75	U	Tetrachloroethene	100	U
1,2-Dibromo-3-chloropropane	100	U	Toluene	100	U
1,2-Dibromoethane	75	U	1,2,3-Trichlorobenzene	100	U
Dibromomethane	100	U	1,2,4-Trichlorobenzene	100	U
1,2-Dichlorobenzene	100	U	1,1,1-Trichloroethane	100	U
1,3-Dichlorobenzene	100	U	1,1,2-Trichloroethane	75	U
1,4-Dichlorobenzene	100	U	Trichloroethene	100	U
Dichlorodifluoromethane	100	U	Trichlorofluoromethane	100	U
1,1-Dichloroethane	100	U	1,2,3-Trichloropropane	100	U
1,2-Dichloroethane	75	U	1,2,4-Trimethylbenzene	100	U
1,1-Dichloroethene	75	U	1,3,5-Trimethylbenzene	100	U
cis-1,2-Dichloroethene	100	U	Vinyl Chloride	100	U
trans-1,2-Dichloroethene	100	U	o-Xylene	100	U
1,2-Dichloropropane	75	U	m,p-Xylene	100	U
Acetone	1000	U	Diethyl ether	100	U
Carbon Disulfide	100	U	2-Hexanone	1000	U
Tetrahydrofuran	500	U	Methyl isobutyl ketone	1000	U
Methyl ethyl ketone	1000	U	Di-isopropyl ether (DIPE)	100	U
t-Butyl alcohol (TBA)	2000	U	Ethyl t-butyl ether (ETBE)	100	U
t-Amyl methyl ether (TAME)	100	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	93	%	d8-Toluene	97	%	Bromofluorobenzene	97 %

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

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

COMMENTS: Results are expressed on a dry weight basis.

8260 full

Authorized signature

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042406C\C58495B.D
Acq On : 24 Apr 2006 1:05 pm
Sample : MB04216C
Misc : 50,5.00,SOIL
Integration Params: rteint.p
Quant Time: Apr 24 13:02 2006

Vial: 15
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/25/06 4.25.06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.99	168	213634	20.00	ug/L	-0.02
39) 1,4-Difluorobenzene	8.48	114	340905	20.00	ug/L	-0.01
63) *d5-Chlorobenzene	13.01	117	310273	20.00	ug/L	-0.01
87) 1,4-Dichlorobenzene-d4	16.73	152	166264	20.00	ug/L	-0.01
System Monitoring Compounds						
28) DB Holder #28	7.86	65	157423	18.54	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 92.70%			
36) d4-1,2-Dichloroethane	7.86	65	157423	18.54	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 92.70%			
54) d8-Toluene	10.73	98	368543	19.32	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 96.60%			
73) Bromofluorobenzene	14.88	95	152944	19.40	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 97.00%			

Target Compounds Qvalue

UD

(#) = qualifier out of range (m) = manual integration

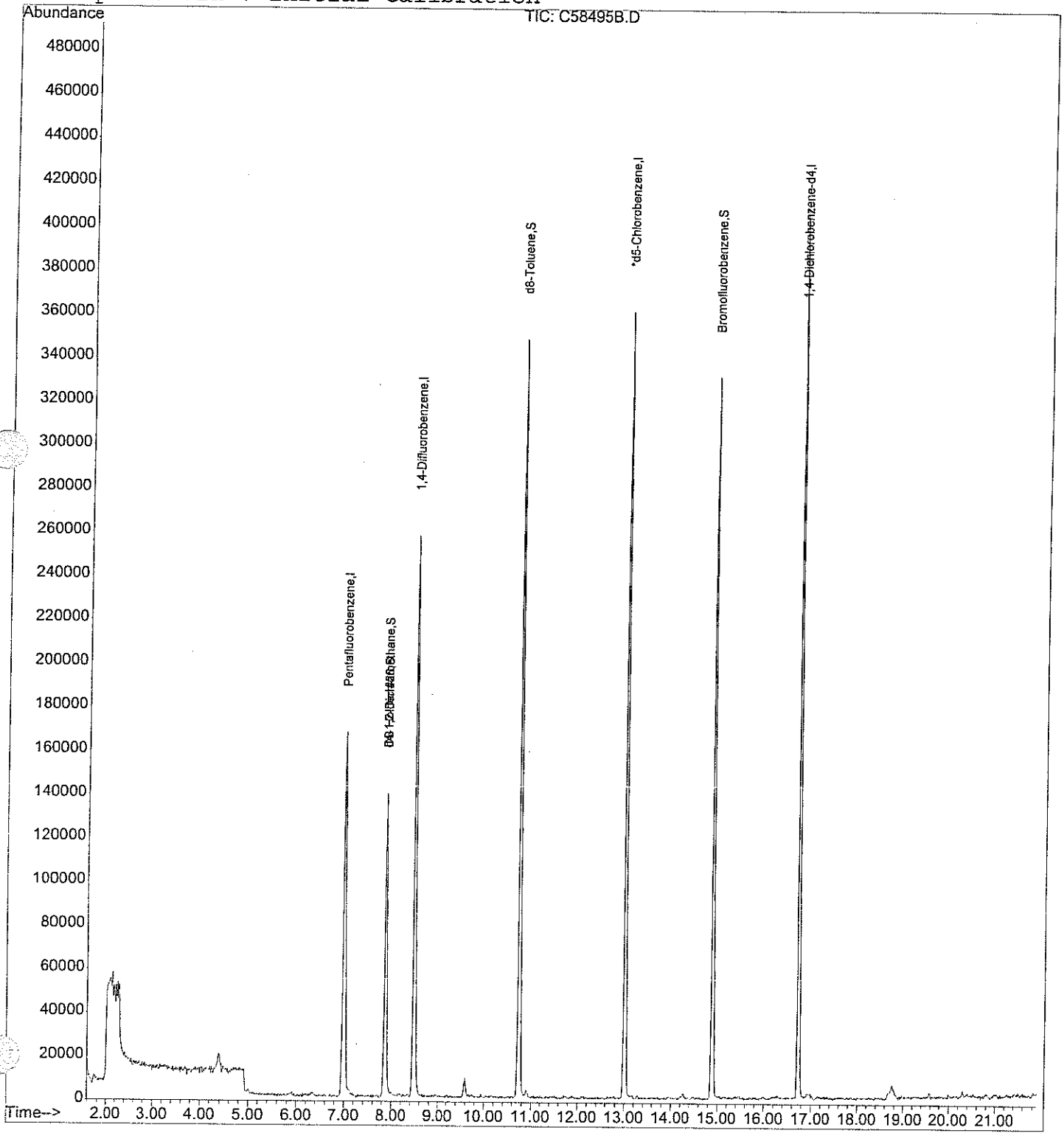
Quantitation Report

Data File : D:\HPCHEM\1\DATA\042406C\C58495B.D
Acq On : 24 Apr 2006 1:05 pm
Sample : MB04216C
Misc : 50,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Apr 24 13:02 2006

Vial: 15
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration



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800-929-9906

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

June 21, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number:

Field Sample ID: LAB QC

SAMPLE DATA

Lab Sample ID: MB04256C
Matrix: Solid
Percent Solid: 100
Dilution Factor: 100
Collection Date: N/A
Lab Receipt Date: N/A
Analysis Date: 04/25/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	20	U	1,3-Dichloropropane	100	U
Bromobenzene	100	U	cis-1,3-Dichloropropene	100	U
Bromochloromethane	100	U	trans-1,3-Dichloropropene	100	U
Bromodichloromethane	75	U	2,2-Dichloropropane	100	U
Bromoform	75	U	1,1-Dichloropropene	100	U
Bromomethane	100	U	Ethylbenzene	100	U
n-butylbenzene	100	U	Hexachlorobutadiene	100	U
sec-butylbenzene	100	U	Isopropylbenzene	100	U
tert-butylbenzene	100	U	p-isopropyltoluene	100	U
Carbon Tetrachloride	100	U	Methylene Chloride	500	U
Chlorobenzene	100	U	Methyl-tert-butyl ether (MTBE)	100	U
Chloroethane	100	U	Naphthalene	100	U
Chloroform	75	U	n-Propylbenzene	100	U
Chloromethane	100	U	Styrene	100	U
2-Chlorotoluene	100	U	1,1,1,2-Tetrachloroethane	100	U
4-Chlorotoluene	100	U	1,1,2,2-Tetrachloroethane	75	U
Dibromochloromethane	75	U	Tetrachloroethene	100	U
1,2-Dibromo-3-chloropropane	100	U	Toluene	100	U
1,2-Dibromoethane	75	U	1,2,3-Trichlorobenzene	100	U
Dibromomethane	100	U	1,2,4-Trichlorobenzene	100	U
1,2-Dichlorobenzene	100	U	1,1,1-Trichloroethane	100	U
1,3-Dichlorobenzene	100	U	1,1,2-Trichloroethane	75	U
1,4-Dichlorobenzene	100	U	Trichloroethene	100	U
Dichlorodifluoromethane	100	U	Trichlorofluoromethane	100	U
1,1-Dichloroethane	100	U	1,2,3-Trichloropropane	100	U
1,2-Dichloroethane	75	U	1,2,4-Trimethylbenzene	100	U
1,1-Dichloroethene	75	U	1,3,5-Trimethylbenzene	100	U
cis-1,2-Dichloroethene	100	U	Vinyl Chloride	100	U
trans-1,2-Dichloroethene	100	U	o-Xylene	100	U
1,2-Dichloropropane	75	U	m,p-Xylene	100	U
Acetone	1000	U	Diethyl ether	100	U
Carbon Disulfide	100	U	2-Hexanone	1000	U
Tetrahydrofuran	500	U	Methyl isobutyl ketone	1000	U
Methyl ethyl ketone	1000	U	Di-isopropyl ether (DIPE)	100	U
t-Butyl alcohol (TBA)	2000	U	Ethyl t-butyl ether (ETBE)	100	U
t-Amyl methyl ether (TAME)	100	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	91	%	d8-Toluene	101	%	Bromofluorobenzene	98	%

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

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

COMMENTS: Results are expressed on a dry weight basis.

8260 full

Authorized signature

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042506C\C58541B.D Vial: 9
Acq On : 25 Apr 2006 12:39 pm Operator:
Sample : B804256C Inst : Instr_C
Misc : 5000,SOIL,,W/ 50UL MEOH Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 26 10:48 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

4/26/06 SC ✓ MT 4/26/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.00	168	247297	20.00	ug/L	-0.01
39) 1,4-Difluorobenzene	8.49	114	394122 ✓	20.00	ug/L	0.00
63) *d5-Chlorobenzene	13.02	117	355629 ✓	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.75	152	190813	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.87	65	178550	18.17	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 90.85% ✓			
36) d4-1,2-Dichloroethane	7.87	65	178550	18.17	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 90.85% ✓			
54) d8-Toluene	10.75	98	445925	20.22	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.10% ✓			
73) Bromofluorobenzene	14.90	95	176569	19.54	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 97.70% ✓			

Target Compounds Qvalue

ND

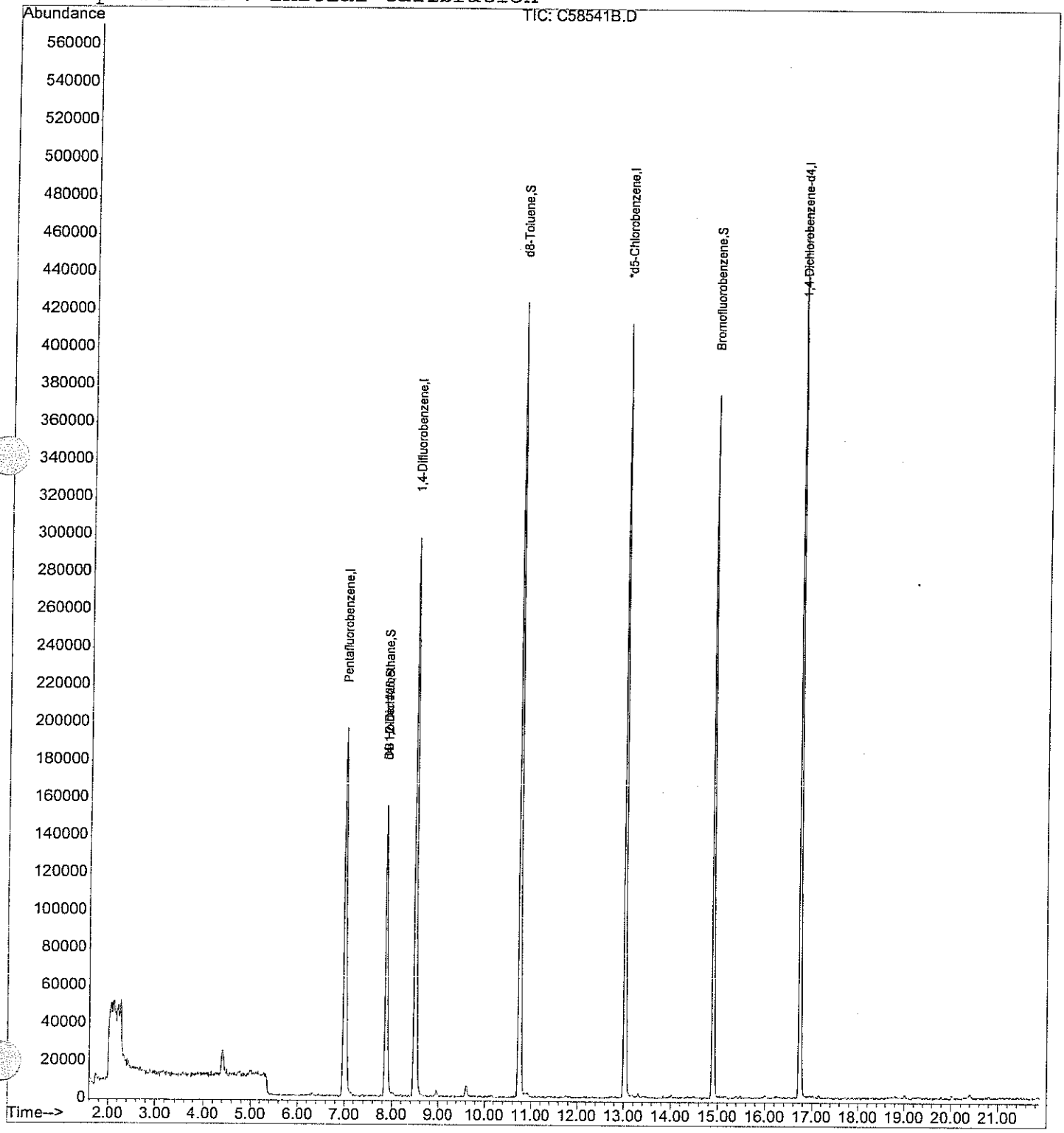
(#) = qualifier out of range (m) = manual integration
C58541B.D V804176C.M Wed Apr 26 10:48:53 2006 Page 1

Data File : D:\HPCHEM\1\DATA\042506C\C58541B.D
Acq On : 25 Apr 2006 12:39 pm
Sample : B804256C
Misc : 5000,SOIL,,W/ 50UL MEOH
MS Integration Params: rteint.p
Quant Time: Apr 26 10:48 2006

Vial: 9
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration



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Mr. Rick Woodworth
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Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

April 25, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number:

Field Sample ID: NSB-NLON-SITE7-CS-SL-EXS-SWS-3

SAMPLE DATA

Lab Sample ID: 56323-1
Matrix: Solid
Percent Solid: 90
Dilution Factor: 54
Collection Date: 04/19/06
Lab Receipt Date: 04/21/06
Analysis Date: 04/24/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	20	U	1,3-Dichloropropane	54	U
Bromobenzene	54	U	cis-1,3-Dichloropropene	54	U
Bromochloromethane	54	U	trans-1,3-Dichloropropene	54	U
Bromodichloromethane	40	U	2,2-Dichloropropane	54	U
Bromoform	40	U	1,1-Dichloropropene	54	U
Bromomethane	54	U	Ethylbenzene	54	U
n-butylbenzene	54	U	Hexachlorobutadiene	54	U
sec-butylbenzene	54	U	Isopropylbenzene	54	U
tert-butylbenzene	54	U	p-isopropyltoluene	54	U
Carbon Tetrachloride	54	U	Methylene Chloride	270	U
Chlorobenzene	54	U	Methyl-tert-butyl ether (MTBE)	54	U
Chloroethane	54	U	Naphthalene	54	U
Chloroform	40	U	n-Propylbenzene	54	U
Chloromethane	54	U	Styrene	54	U
2-Chlorotoluene	54	U	1,1,1,2-Tetrachloroethane	54	U
4-Chlorotoluene	54	U	1,1,2,2-Tetrachloroethane	40	U
Dibromochloromethane	40	U	Tetrachloroethene	54	U
1,2-Dibromo-3-chloropropane	54	U	Toluene	54	U
1,2-Dibromoethane	40	U	1,2,3-Trichlorobenzene	54	U
Dibromomethane	54	U	1,2,4-Trichlorobenzene	54	U
1,2-Dichlorobenzene	54	U	1,1,1-Trichloroethane	54	U
1,3-Dichlorobenzene	54	U	1,1,2-Trichloroethane	40	U
1,4-Dichlorobenzene	54	U	Trichloroethene	54	U
Dichlorodifluoromethane	54	U	Trichlorofluoromethane	54	U
1,1-Dichloroethane	54	U	1,2,3-Trichloropropane	54	U
1,2-Dichloroethane	40	U	1,2,4-Trimethylbenzene	54	U
1,1-Dichloroethene	40	U	1,3,5-Trimethylbenzene	54	U
cis-1,2-Dichloroethene	54	U	Vinyl Chloride	54	U
trans-1,2-Dichloroethene	54	U	o-Xylene	54	U
1,2-Dichloropropane	40	U	m,p-Xylene	54	U
Acetone	539	U	Diethyl ether	54	U
Carbon Disulfide	54	U	2-Hexanone	539	U
Tetrahydrofuran	270	U	Methyl isobutyl ketone	539	U
Methyl ethyl ketone	539	U	Di-isopropyl ether (DIPE)	54	U
t-Butyl alcohol (TBA)	1080	U	Ethyl t-butyl ether (ETBE)	54	U
t-Amyl methyl ether (TAME)	54	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	91 %	d8-Toluene	96 %	Bromofluorobenzene	98 %

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

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

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

8260 full

Authorized signature

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042406C\C58497.D Vial: 1
Acq On : 24 Apr 2006 1:53 pm Operator:
Sample : 56323-1 Inst : Instr_C
Misc : 75,6.89,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 24 14:00 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/25/06

DF = (5000)(5) / (5mL)(6.89g)(.8972) = 53.9

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.99	168	236920	20.00	ug/L	-0.02
39) 1,4-Difluorobenzene	8.48	114	377561 ✓	20.00	ug/L	-0.01
63) *d5-Chlorobenzene	13.01	117	342699 ✓	20.00	ug/L	-0.01
87) 1,4-Dichlorobenzene-d4	16.74	152	184002	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.86	65	172088	18.28	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 91.40% ✓			
36) d4-1,2-Dichloroethane	7.86	65	172088	18.28	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 91.40% ✓			
54) d8-Toluene	10.73	98	406725	19.25	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 96.25% ✓			
73) Bromofluorobenzene	14.88	95	170390	19.57	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 97.85% ✓			

Target Compounds Qvalue

ND

Benzene ND @ 2 ug/L

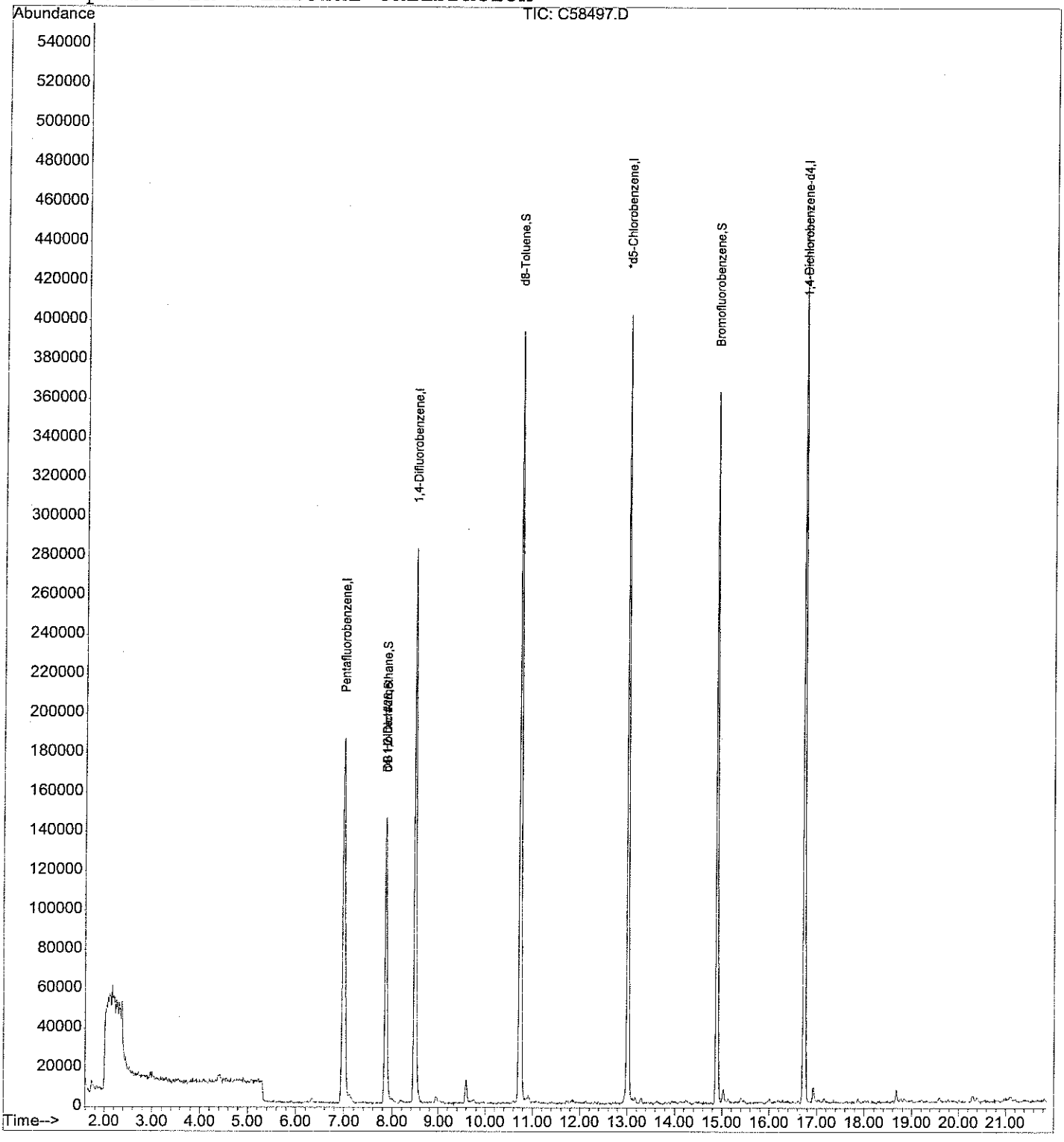
4/25/06

(#) = qualifier out of range (m) = manual integration
C58497.D V804176C.M Mon Apr 24 14:00:31 2006 Page 1

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042406C\C58497.D Vial: 1
Acq On : 24 Apr 2006 1:53 pm Operator:
Sample : 56323-1 Inst : Instr_C
Misc : 75,6.89,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 24 14:00 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration



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Mr. Rick Woodworth
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Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

April 25, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number:

Field Sample ID: NSB-NLON-SITE7-CS-SL-EXS-SWN-6

SAMPLE DATA

Lab Sample ID: 56323-2
Matrix: Solid
Percent Solid: 94
Dilution Factor: 46
Collection Date: 04/19/06
Lab Receipt Date: 04/21/06
Analysis Date: 04/24/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	20	U	1,3-Dichloropropane	46	U
Bromobenzene	46	U	cis-1,3-Dichloropropene	46	U
Bromochloromethane	46	U	trans-1,3-Dichloropropene	46	U
Bromodichloromethane	34	U	2,2-Dichloropropane	46	U
Bromoform	34	U	1,1-Dichloropropene	46	U
Bromomethane	46	U	Ethylbenzene	46	U
n-butylbenzene	46	U	Hexachlorobutadiene	46	U
sec-butylbenzene	46	U	Isopropylbenzene	46	U
tert-butylbenzene	46	U	p-isopropyltoluene	46	U
Carbon Tetrachloride	46	U	Methylene Chloride	229	U
Chlorobenzene	46	U	Methyl-tert-butyl ether (MTBE)	46	U
Chloroethane	46	U	Naphthalene	46	U
Chloroform	34	U	n-Propylbenzene	46	U
Chloromethane	46	U	Styrene	46	U
2-Chlorotoluene	46	U	1,1,1,2-Tetrachloroethane	46	U
4-Chlorotoluene	46	U	1,1,2,2-Tetrachloroethane	34	U
Dibromochloromethane	34	U	Tetrachloroethene	46	U
1,2-Dibromo-3-chloropropane	46	U	Toluene	46	U
1,2-Dibromoethane	34	U	1,2,3-Trichlorobenzene	46	U
Dibromomethane	46	U	1,2,4-Trichlorobenzene	46	U
1,2-Dichlorobenzene	46	U	1,1,1-Trichloroethane	46	U
1,3-Dichlorobenzene	46	U	1,1,2-Trichloroethane	34	U
1,4-Dichlorobenzene	46	U	Trichloroethene	46	U
Dichlorodifluoromethane	46	U	Trichlorofluoromethane	46	U
1,1-Dichloroethane	46	U	1,2,3-Trichloropropane	46	U
1,2-Dichloroethane	34	U	1,2,4-Trimethylbenzene	46	U
1,1-Dichloroethene	34	U	1,3,5-Trimethylbenzene	46	U
cis-1,2-Dichloroethene	46	U	Vinyl Chloride	46	U
trans-1,2-Dichloroethene	46	U	o-Xylene	46	U
1,2-Dichloropropane	34	U	m,p-Xylene	46	U
Acetone	458	U	Diethyl ether	46	U
Carbon Disulfide	46	U	2-Hexanone	458	U
Tetrahydrofuran	229	U	Methyl isobutyl ketone	458	U
Methyl ethyl ketone	458	U	Di-isopropyl ether (DIPE)	46	U
t-Butyl alcohol (TBA)	916	U	Ethyl t-butyl ether (ETBE)	46	U
t-Amyl methyl ether (TAME)	46	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	88 %	d8-Toluene	94 %	Bromofluorobenzene	96 %

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

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

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

8260 full

Authorized signature Melissa Tull

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042406C\C58498.D Vial: 2
Acq On : 24 Apr 2006 2:26 pm Operator:
Sample : 56323-2 Inst : Instr_C
Misc : 75,7.78,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 24 14:29 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/25/06

DF = (5000)(5) / (75mL)(7.78g)(.935) = 45.8

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.99	168	236828	20.00	ug/L	-0.02
39) 1,4-Difluorobenzene	8.48	114	370190	20.00	ug/L	-0.01
63) *d5-Chlorobenzene	13.01	117	342300	20.00	ug/L	-0.01
87) 1,4-Dichlorobenzene-d4	16.74	152	185770	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.86	65	165078	17.54	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 87.70%			
36) d4-1,2-Dichloroethane	7.86	65	165078	17.54	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 87.70%			
54) d8-Toluene	10.73	98	387707	18.72	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 93.60%			
73) Bromofluorobenzene	14.88	95	166641	19.16	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 95.80%			
Target Compounds						Qvalue
23) Methyl ethyl ketone	6.32	72	1398	2.78	ug/L	93
43) Methyl acetate	4.24	43	3526	0.63	ug/L #	62

ND

Benzene NOC 20

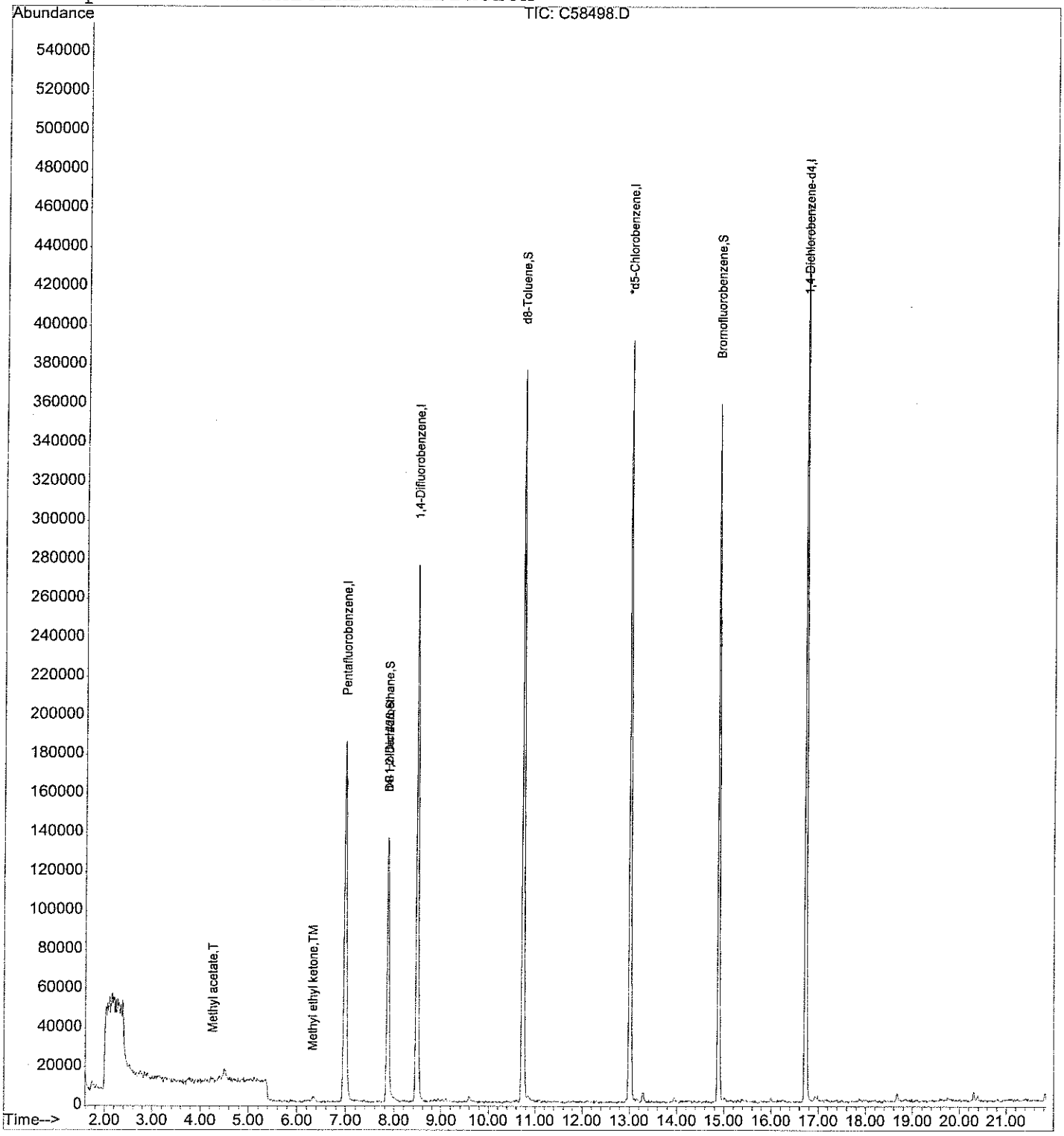
V34526

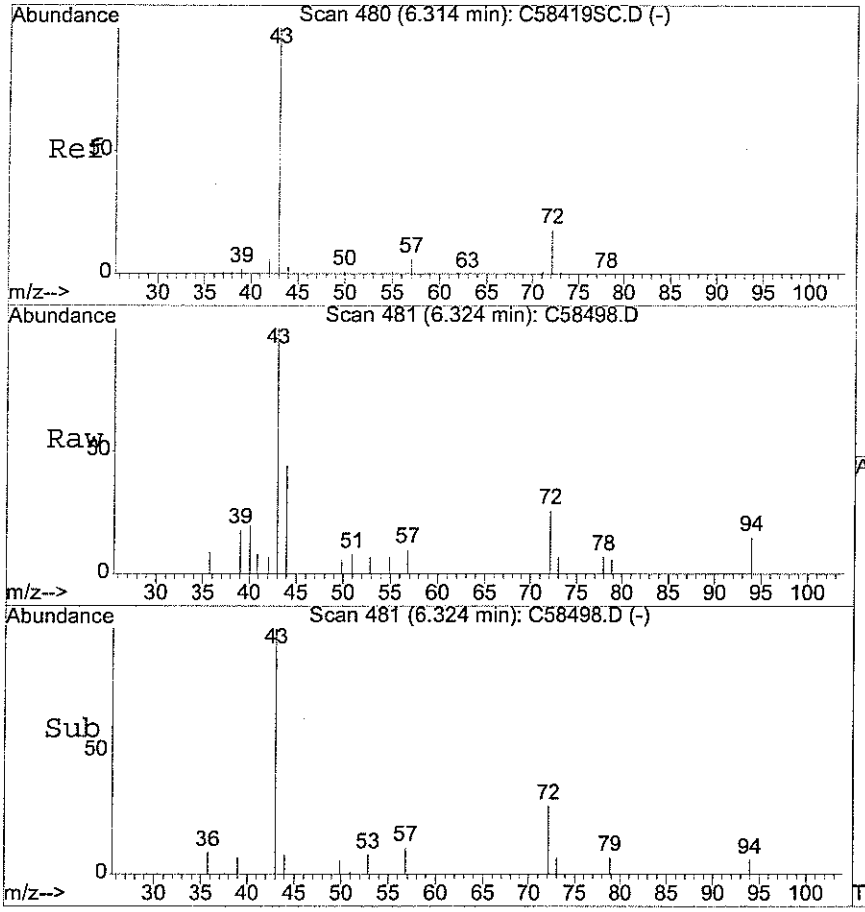
(#) = qualifier out of range (m) = manual integration
C58498.D V804176C.M Mon Apr 24 14:29:42 2006 Page 1

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042406C\C58498.D Vial: 2
Acq On : 24 Apr 2006 2:26 pm Operator:
Sample : 56323-2 Inst : Instr_C
Misc : 75,7.78,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 24 14:29 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration

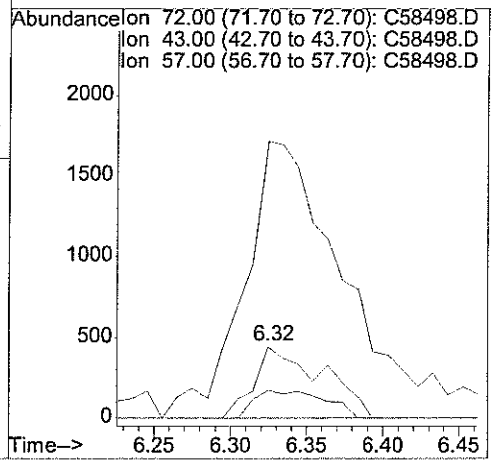


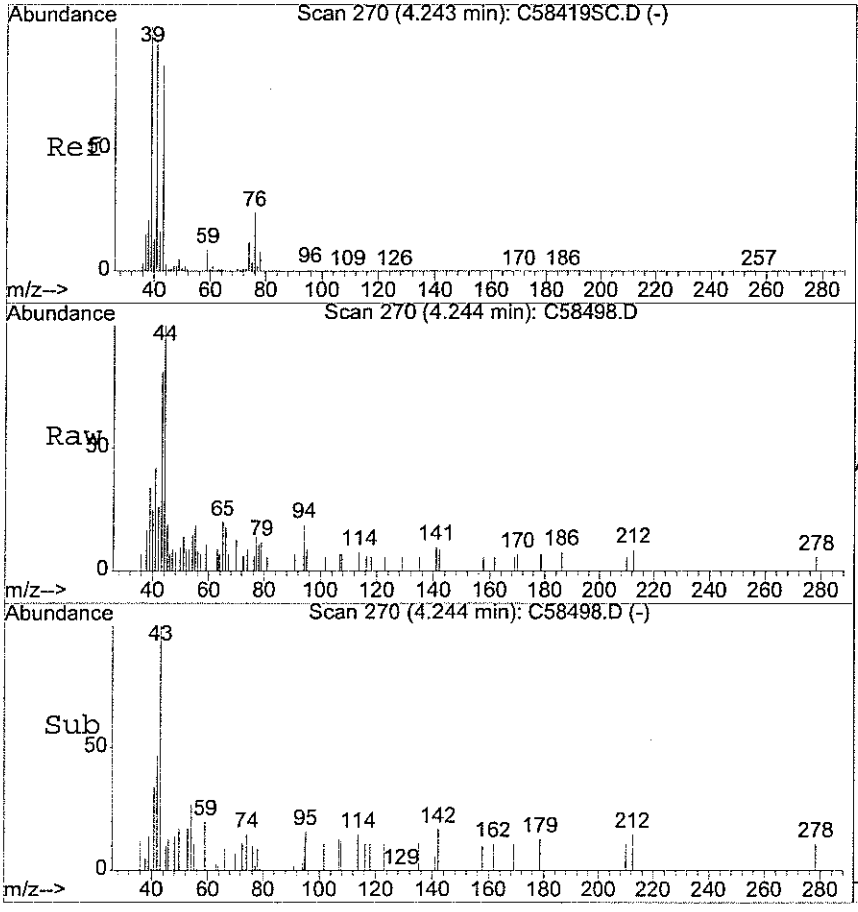


#23
Methyl ethyl ketone
Concen: 2.78 ug/L
RT: 6.32 min Scan# 481
Delta R.T. 0.01 min
Lab File: C58498.D
Acq: 24 Apr 2006 2:26 pm

Tgt Ion: 72 Resp: 1398

Ion	Ratio	Lower	Upper
72	100		
43	579.5	445.2	667.8
57	40.6	33.4	50.0

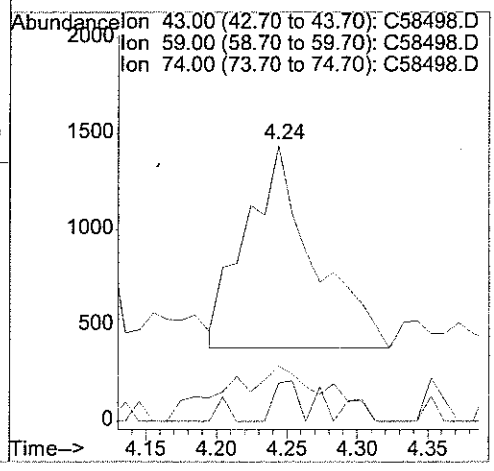




#43
Methyl acetate
Concen: 0.63 ug/L
RT: 4.24 min Scan# 270
Delta R.T. -0.00 min
Lab File: C58498.D
Acq: 24 Apr 2006 2:26 pm

Tgt Ion: 43 Resp: 3526

Ion	Ratio	Lower	Upper
43	100		
59	6.9	7.9	11.9#
74	40.2	12.8	19.2#



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Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

April 25, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number:

Field Sample ID: NSB-NLON-SITE7-CS-SL-EXS-SWN-7

SAMPLE DATA

Lab Sample ID: 56323-3
Matrix: Solid
Percent Solid: 90
Dilution Factor: 47
Collection Date: 04/19/06
Lab Receipt Date: 04/21/06
Analysis Date: 04/24/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	20	U	1,3-Dichloropropane	47	U
Bromobenzene	47	U	cis-1,3-Dichloropropene	47	U
Bromochloromethane	47	U	trans-1,3-Dichloropropene	47	U
Bromodichloromethane	35	U	2,2-Dichloropropane	47	U
Bromoform	35	U	1,1-Dichloropropene	47	U
Bromomethane	47	U	Ethylbenzene	47	U
n-butylbenzene	47	U	Hexachlorobutadiene	47	U
sec-butylbenzene	47	U	Isopropylbenzene	47	U
tert-butylbenzene	47	U	p-isopropyltoluene	47	U
Carbon Tetrachloride	47	U	Methylene Chloride	234	U
Chlorobenzene	47	U	Methyl-tert-butyl ether (MTBE)	47	U
Chloroethane	47	U	Naphthalene	47	U
Chloroform	35	U	n-Propylbenzene	47	U
Chloromethane	47	U	Styrene	47	U
2-Chlorotoluene	47	U	1,1,1,2-Tetrachloroethane	47	U
4-Chlorotoluene	47	U	1,1,2,2-Tetrachloroethane	35	U
Dibromochloromethane	35	U	Tetrachloroethene	47	U
1,2-Dibromo-3-chloropropane	47	U	Toluene	47	U
1,2-Dibromoethane	35	U	1,2,3-Trichlorobenzene	47	U
Dibromomethane	47	U	1,2,4-Trichlorobenzene	47	U
1,2-Dichlorobenzene	47	U	1,1,1-Trichloroethane	47	U
1,3-Dichlorobenzene	47	U	1,1,2-Trichloroethane	35	U
1,4-Dichlorobenzene	47	U	Trichloroethene	47	U
Dichlorodifluoromethane	47	U	Trichlorofluoromethane	47	U
1,1-Dichloroethane	47	U	1,2,3-Trichloropropane	47	U
1,2-Dichloroethane	35	U	1,2,4-Trimethylbenzene	47	U
1,1-Dichloroethene	35	U	1,3,5-Trimethylbenzene	47	U
cis-1,2-Dichloroethene	47	U	Vinyl Chloride	47	U
trans-1,2-Dichloroethene	47	U	o-Xylene	47	U
1,2-Dichloropropane	35	U	m,p-Xylene	47	U
Acetone	468	U	Diethyl ether	47	U
Carbon Disulfide	47	U	2-Hexanone	468	U
Tetrahydrofuran	234	U	Methyl isobutyl ketone	468	U
Methyl ethyl ketone	468	U	Di-isopropyl ether (DIPE)	47	U
t-Butyl alcohol (TBA)	937	U	Ethyl t-butyl ether (ETBE)	47	U
t-Amyl methyl ether (TAME)	47	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	93 %	d8-Toluene	94 %	Bromofluorobenzene	99 %

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

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

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

8260 full

Authorized signature Melissa Mill

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042406C\C58499.D
Acq On : 24 Apr 2006 3:03 pm
Sample : 56323-3
Misc : 75,7.88,SOIL
MS Integration Params: rteint.p
Quant Time: Apr 24 14:58 2006

Vial: 3
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/25/06

$DF = \frac{(5000)(5)}{(75ml)(7.88g)(.9031)} = 46.8$

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.99	168	233222	20.00 ug/L	-0.03
39) 1,4-Difluorobenzene	8.48	114	380494	20.00 ug/L	-0.01
63) *d5-Chlorobenzene	13.01	117	348423 ✓	20.00 ug/L	-0.01
87) 1,4-Dichlorobenzene-d4	16.74	152	187315	20.00 ug/L	0.00

System Monitoring Compounds

28) DB Holder #28	7.86	65	172458	18.61 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery =	93.05% ✓	
36) d4-1,2-Dichloroethane	7.86	65	172458	18.61 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery =	93.05% ✓	
54) d8-Toluene	10.74	98	399476	18.76 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	93.80% ✓	
73) Bromofluorobenzene	14.89	95	174477	19.71 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	98.55% ✓	

Target Compounds

					Qvalue
~~5) Bromomethane~~	2.38	94	3115	~~0.75~~ ug/L #	3

ND

Benzene ND@20

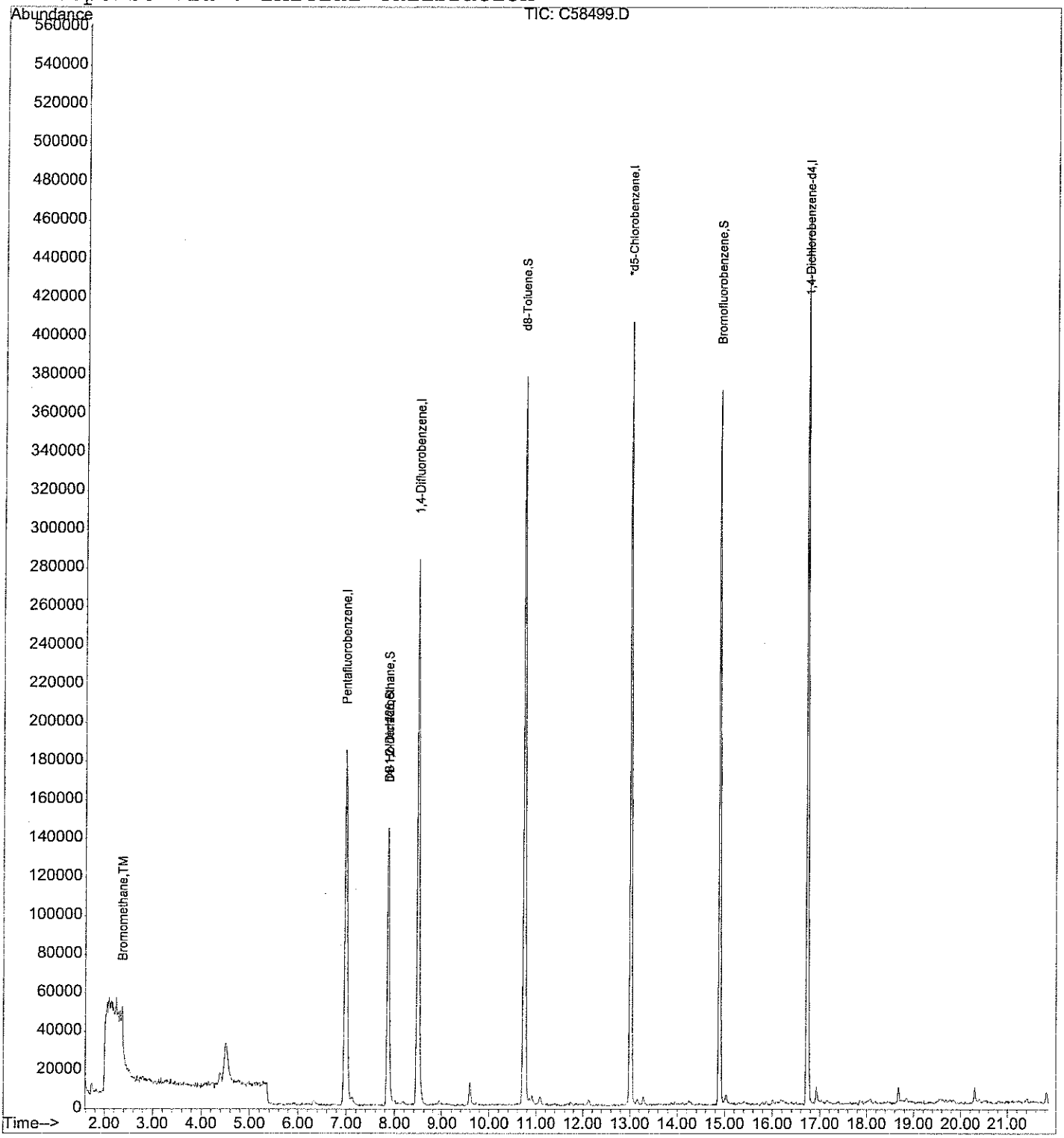
✓ 5/4/2006

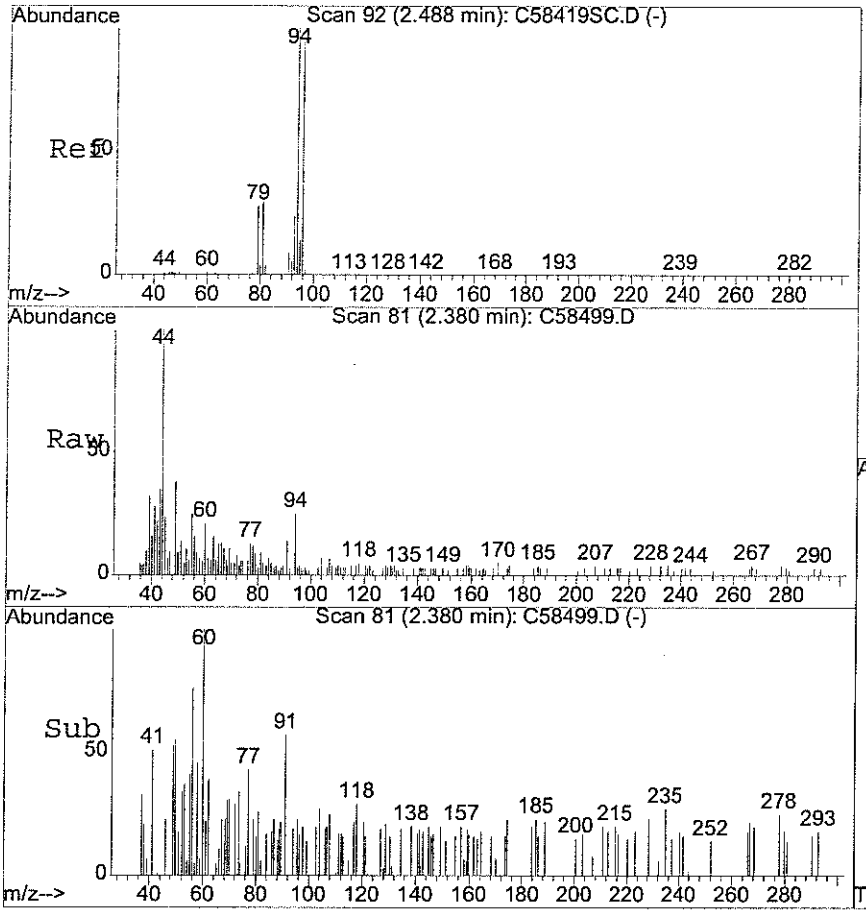
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042406C\C58499.D Vial: 3
Acq On : 24 Apr 2006 3:03 pm Operator:
Sample : 56323-3 Inst : Instr_C
Misc : 75,7.88,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 24 14:58 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration

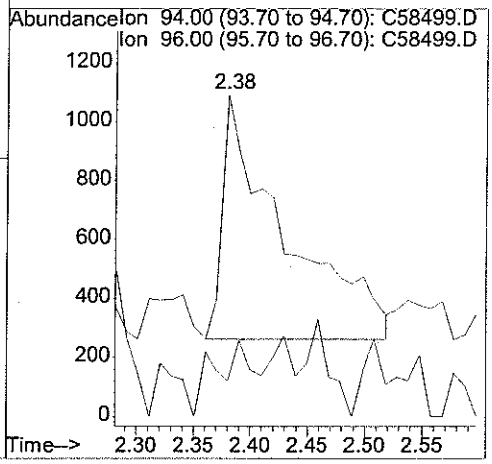




#5
Bromomethane
Concen: 0.75 ug/L
RT: 2.38 min Scan# 81
Delta R.T. -0.10 min
Lab File: C58499.D
Acq: 24 Apr 2006 3:03 pm

Tgt Ion: 94 Resp: 3115

Ion	Ratio	Lower	Upper
94	100		
96	1.4	76.4	116.4#



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Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

April 25, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number:

Field Sample ID: NSB-NLON-SITE7-CS-SL-EXS-SWN-8

SAMPLE DATA

Lab Sample ID: 56323-4
Matrix: Solid
Percent Solid: 90
Dilution Factor: 61
Collection Date: 04/19/06
Lab Receipt Date: 04/21/06
Analysis Date: 04/24/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	20	U	1,3-Dichloropropane	61	U
Bromobenzene	61	U	cis-1,3-Dichloropropene	61	U
Bromochloromethane	61	U	trans-1,3-Dichloropropene	61	U
Bromodichloromethane	46	U	2,2-Dichloropropane	61	U
Bromoform	46	U	1,1-Dichloropropene	61	U
Bromomethane	61	U	Ethylbenzene	61	U
n-butylbenzene	61	U	Hexachlorobutadiene	61	U
sec-butylbenzene	61	U	Isopropylbenzene	61	U
tert-butylbenzene	61	U	p-isopropyltoluene	61	U
Carbon Tetrachloride	61	U	Methylene Chloride	305	U
Chlorobenzene	61	U	Methyl-tert-butyl ether (MTBE)	61	U
Chloroethane	61	U	Naphthalene	61	U
Chloroform	46	U	n-Propylbenzene	61	U
Chloromethane	61	U	Styrene	61	U
2-Chlorotoluene	61	U	1,1,1,2-Tetrachloroethane	61	U
4-Chlorotoluene	61	U	1,1,2,2-Tetrachloroethane	46	U
Dibromochloromethane	46	U	Tetrachloroethene	61	U
1,2-Dibromo-3-chloropropane	61	U	Toluene	61	U
1,2-Dibromoethane	46	U	1,2,3-Trichlorobenzene	61	U
Dibromomethane	61	U	1,2,4-Trichlorobenzene	61	U
1,2-Dichlorobenzene	61	U	1,1,1-Trichloroethane	61	U
1,3-Dichlorobenzene	61	U	1,1,2-Trichloroethane	46	U
1,4-Dichlorobenzene	61	U	Trichloroethene	61	U
Dichlorodifluoromethane	61	U	Trichlorofluoromethane	61	U
1,1-Dichloroethane	61	U	1,2,3-Trichloropropane	61	U
1,2-Dichloroethane	46	U	1,2,4-Trimethylbenzene	61	U
1,1-Dichloroethene	46	U	1,3,5-Trimethylbenzene	61	U
cis-1,2-Dichloroethene	61	U	Vinyl Chloride	61	U
trans-1,2-Dichloroethene	61	U	o-Xylene	61	U
1,2-Dichloropropane	46	U	m,p-Xylene	61	U
Acetone	610	U	Diethyl ether	61	U
Carbon Disulfide	61	U	2-Hexanone	610	U
Tetrahydrofuran	305	U	Methyl isobutyl ketone	610	U
Methyl ethyl ketone	610	U	Di-isopropyl ether (DIPE)	61	U
t-Butyl alcohol (TBA)	1220	U	Ethyl t-butyl ether (ETBE)	61	U
t-Amyl methyl ether (TAME)	61	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	88 %	d8-Toluene	92 %	Bromofluorobenzene	93 %

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

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

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

8260 full

Authorized signature Melissa Tall

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042406C\C58500.D
Acq On : 24 Apr 2006 3:28 pm
Sample : 56323-4
Misc : 75,6.08,SOIL
MS Integration Params: rteint.p
Quant Time: Apr 24 15:27 2006

Vial: 4
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/25/06

$DF = \frac{(5000)(5)}{(75ml)(6.08g)(.8981)} = 61.0$

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.99	168	239769	20.00	ug/L	-0.02
39) 1,4-Difluorobenzene	8.48	114	387300	20.00	ug/L	-0.01
63) *d5-Chlorobenzene	13.01	117	357202	20.00	ug/L	-0.01
87) 1,4-Dichlorobenzene-d4	16.74	152	188013	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.86	65	167197	17.55	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 87.75%			
36) d4-1,2-Dichloroethane	7.86	65	167197	17.55	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 87.75%			
54) d8-Toluene	10.74	98	396681	18.30	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 91.50%			
73) Bromofluorobenzene	14.89	95	168174	18.53	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 92.65%			
Target Compounds						Qvalue
5) Bromomethane	2.41	94	2971	0.69	ug/L #	34
28) Methyl ethyl ketone	6.34	72	1547	3.04	ug/L #	68
43) Methyl acetate	4.23	43	3692	0.63	ug/L #	80

Benzene ND @ 70

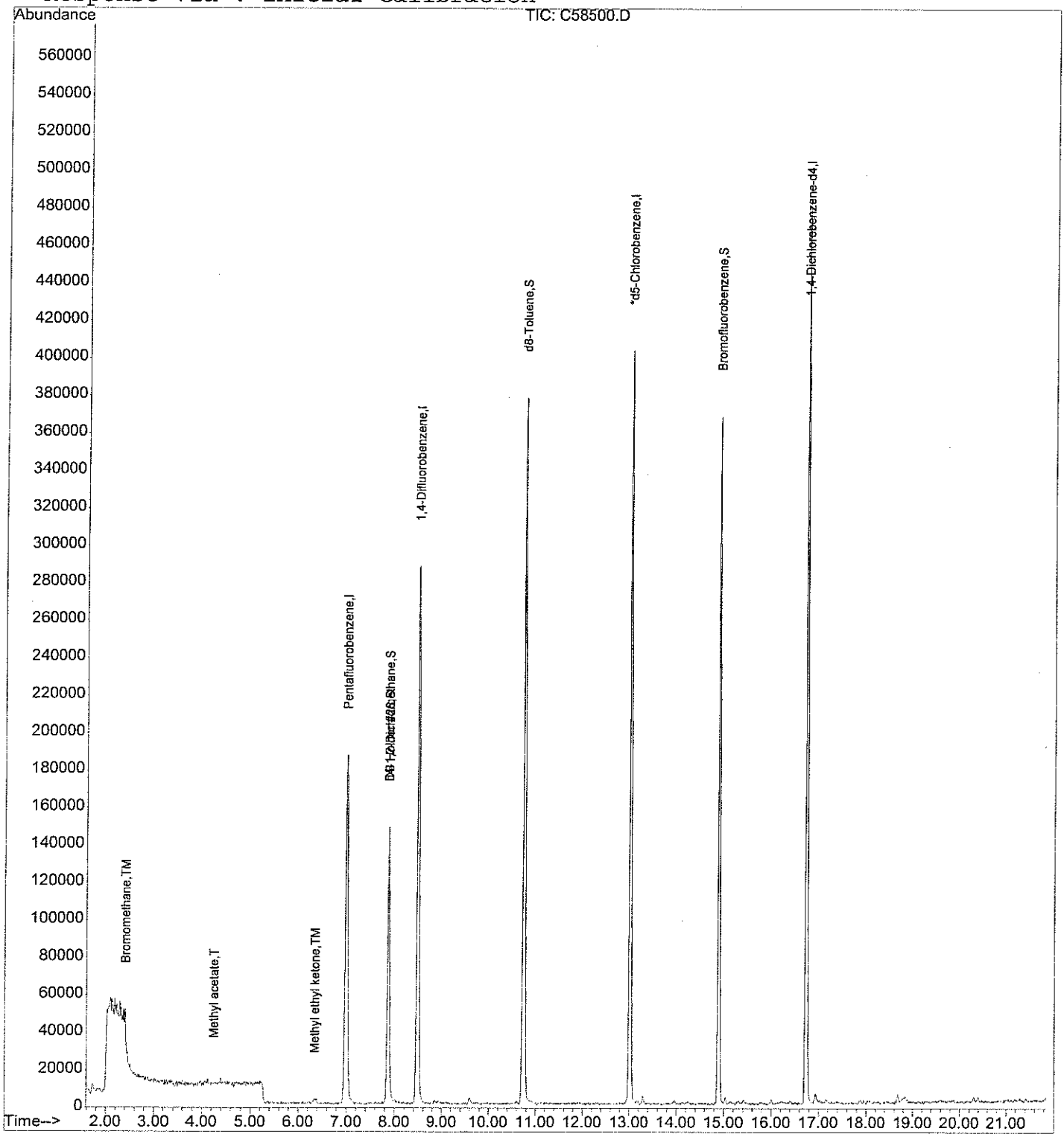
5/4/2006

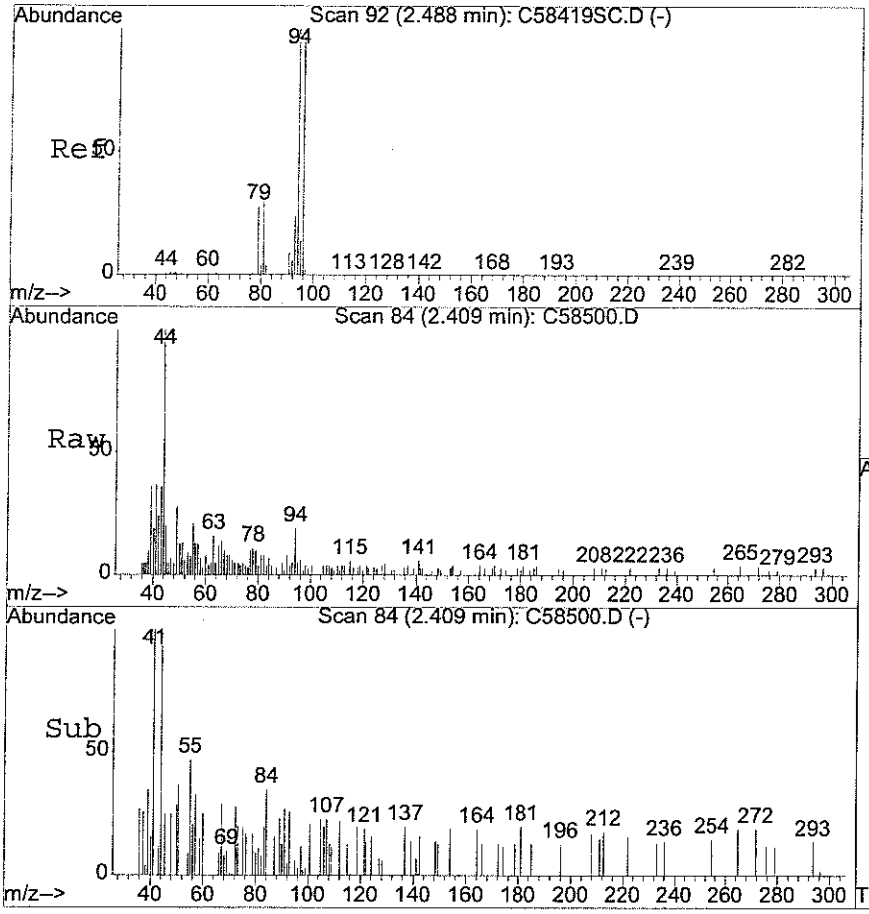
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042406C\C58500.D Vial: 4
Acq On : 24 Apr 2006 3:28 pm Operator:
Sample : 56323-4 Inst : Instr_C
Misc : 75,6.08,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 24 15:27 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration

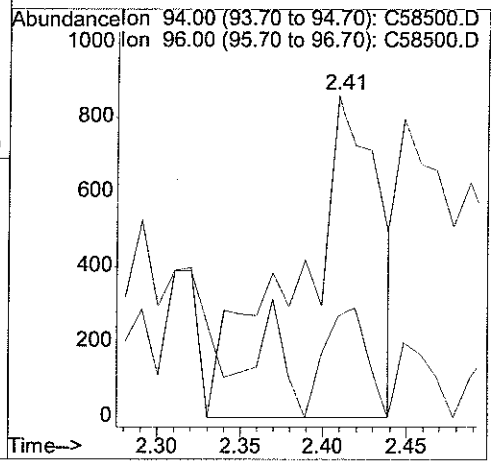


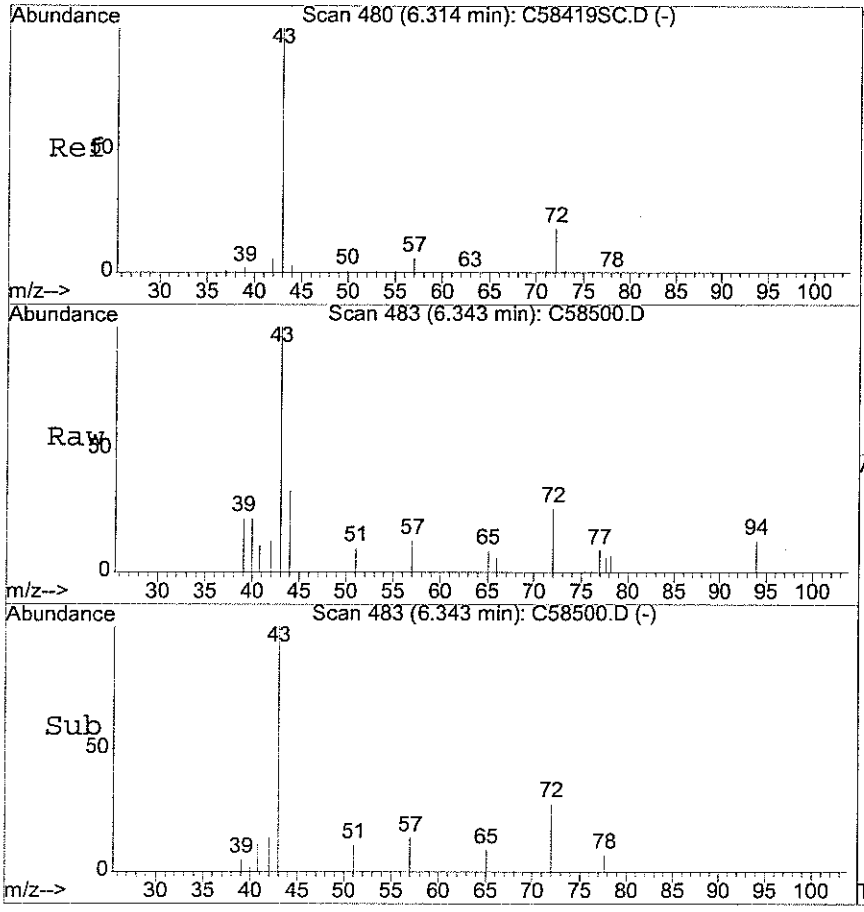


#5
Bromomethane
Concen: 0.69 ug/L
RT: 2.41 min Scan# 84
Delta R.T. -0.07 min
Lab File: C58500.D
Acq: 24 Apr 2006 3:28 pm

Tgt Ion: 94 Resp: 2971

Ion	Ratio	Lower	Upper
94	100		
96	31.3	76.4	116.4#

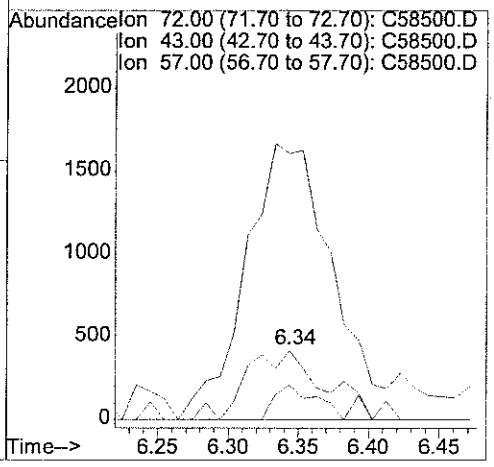


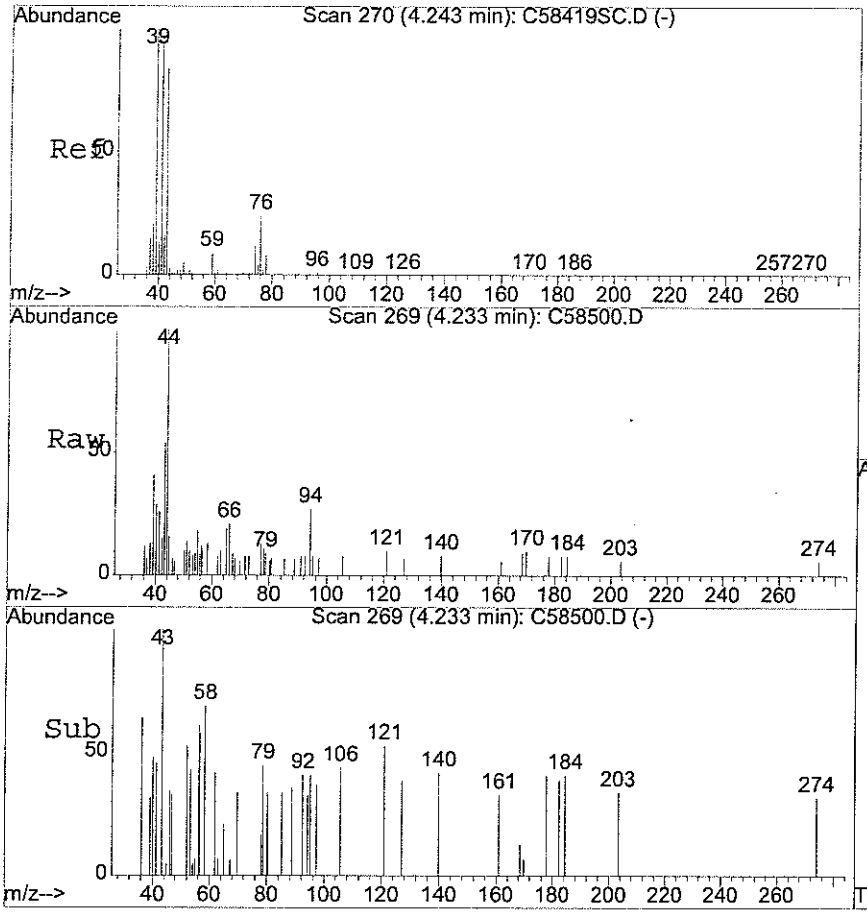


#23
Methyl ethyl ketone
Concen: 3.04 ug/L
RT: 6.34 min Scan# 483
Delta R.T. 0.03 min
Lab File: C58500.D
Acq: 24 Apr 2006 3:28 pm

Tgt Ion: 72 Resp: 1547

Ion	Ratio	Lower	Upper
72	100		
43	460.9	445.2	667.8
57	27.8	33.4	50.0#

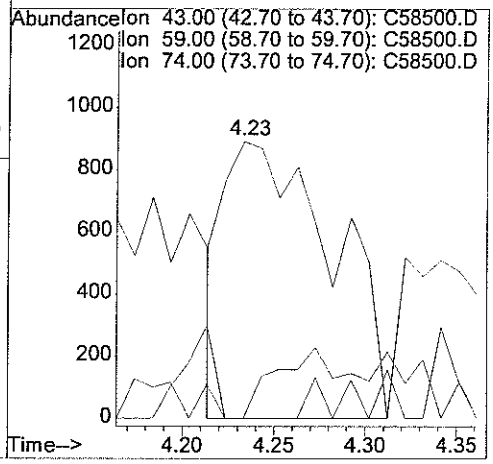




#43
Methyl acetate
Concen: 0.63 ug/L
RT: 4.23 min Scan# 269
Delta R.T. -0.01 min
Lab File: C58500.D
Acq: 24 Apr 2006 3:28 pm

Tgt Ion: 43 Resp: 3692

Ion	Ratio	Lower	Upper
43	100		
59	0.0	7.9	11.9#
74	9.3	12.8	19.2#



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Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

April 25, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number:

Field Sample ID: NSB-NLON-SITE7-CS-SL-EXS-SWN-9

SAMPLE DATA

Lab Sample ID: 56323-5
Matrix: Solid
Percent Solid: 93
Dilution Factor: 56
Collection Date: 04/19/06
Lab Receipt Date: 04/21/06
Analysis Date: 04/25/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	20	**26**	1,3-Dichloropropane	56	U
Bromobenzene	56	U	cis-1,3-Dichloropropene	56	U
Bromochloromethane	56	U	trans-1,3-Dichloropropene	56	U
Bromodichloromethane	42	U	2,2-Dichloropropane	56	U
Bromoform	42	U	1,1-Dichloropropene	56	U
Bromomethane	56	U	Ethylbenzene	56	**34 J**
n-butylbenzene	56	U	Hexachlorobutadiene	56	U
sec-butylbenzene	56	U	Isopropylbenzene	56	U
tert-butylbenzene	56	U	p-isopropyltoluene	56	U
Carbon Tetrachloride	56	U	Methylene Chloride	281	U
Chlorobenzene	56	U	Methyl-tert-butyl ether (MTBE)	56	U
Chloroethane	56	U	Naphthalene	56	**43 J**
Chloroform	42	U	n-Propylbenzene	56	U
Chloromethane	56	U	Styrene	56	U
2-Chlorotoluene	56	U	1,1,1,2-Tetrachloroethane	56	U
4-Chlorotoluene	56	U	1,1,2,2-Tetrachloroethane	42	U
Dibromochloromethane	42	U	Tetrachloroethene	56	U
1,2-Dibromo-3-chloropropane	56	U	Toluene	56	**104**
1,2-Dibromoethane	42	U	1,2,3-Trichlorobenzene	56	U
Dibromomethane	56	U	1,2,4-Trichlorobenzene	56	U
1,2-Dichlorobenzene	56	U	1,1,1-Trichloroethane	56	U
1,3-Dichlorobenzene	56	U	1,1,2-Trichloroethane	42	U
1,4-Dichlorobenzene	56	U	Trichloroethene	56	U
Dichlorodifluoromethane	56	U	Trichlorofluoromethane	56	U
1,1-Dichloroethane	56	U	1,2,3-Trichloropropane	56	U
1,2-Dichloroethane	42	U	1,2,4-Trimethylbenzene	56	**72**
1,1-Dichloroethene	42	U	1,3,5-Trimethylbenzene	56	**33 J**
cis-1,2-Dichloroethene	56	U	Vinyl Chloride	56	U
trans-1,2-Dichloroethene	56	U	o-Xylene	56	**37 J**
1,2-Dichloropropane	42	U	m,p-Xylene	56	**99**
Acetone	562	U	Diethyl ether	56	U
Carbon Disulfide	56	U	2-Hexanone	562	U
Tetrahydrofuran	281	U	Methyl isobutyl ketone	562	U
Methyl ethyl ketone	562	U	Di-isopropyl ether (DIPE)	56	U
t-Butyl alcohol (TBA)	1120	U	Ethyl t-butyl ether (ETBE)	56	U
t-Amyl methyl ether (TAME)	56	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	87 %	d8-Toluene	94 %	Bromofluorobenzene	93 %

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

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

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

8260 full

Authorized signature

Quantitation Report (Not Reviewed)

Q

Data File : D:\HPCHEM\1\DATA\042506C\C58542.D Vial: 10
Acq On : 25 Apr 2006 1:05 pm Operator:
Sample : 56323-5 Inst : Instr_C
Misc : 75,6.40,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 25 13:09 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/25/06

$DF = \frac{(5000)(5)}{(5ml)(6.40_g)(.9262)} = 56.2$

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.01	168	237509	20.00	ug/L	0.00
39) 1,4-Difluorobenzene	8.50	114	375190	20.00	ug/L	0.00
63) *d5-Chlorobenzene	13.03	117	334809 ✓	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.75	152	170711	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.89	65	163489	17.32	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	86.60% ✓		
36) d4-1,2-Dichloroethane	7.89	65	163489	17.32	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	86.60% ✓		
54) d8-Toluene	10.75	98	395740	18.85	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	94.25% ✓		
73) Bromofluorobenzene	14.90	95	158388	18.62	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	93.10% ✓		
Target Compounds						Qvalue
23) Methyl ethyl ketone	6.35	72	1350	~~2.68~~	ug/L	97
38) Benzene	8.04	78	9035	0.47	ug/L	98
48) Methylcyclohexane	9.04	83	10051	NT 1.25	ug/L	91
55) Toluene	10.88	92	23074	✓ 1.85	ug/L #	84
66) Ethylbenzene	13.18	91	14796	0.61	ug/L	99
67) m,p-Xylene	13.30	106	17139	✓ 1.75	ug/L	97
68) o-Xylene	13.96	106	6279	0.66	ug/L	100
78) 1,3,5-Trimethylbenzene	15.41	105	12144	0.59	ug/L	94
82) 1,2,4-Trimethylbenzene	16.02	105	26986	✓ 1.28	ug/L	97
83) Diisobutylketone	15.04	57	59428	~~4.03~~	ug/L #	58
96) Naphthalene	20.40	128	14150	0.77	ug/L	100

(9)

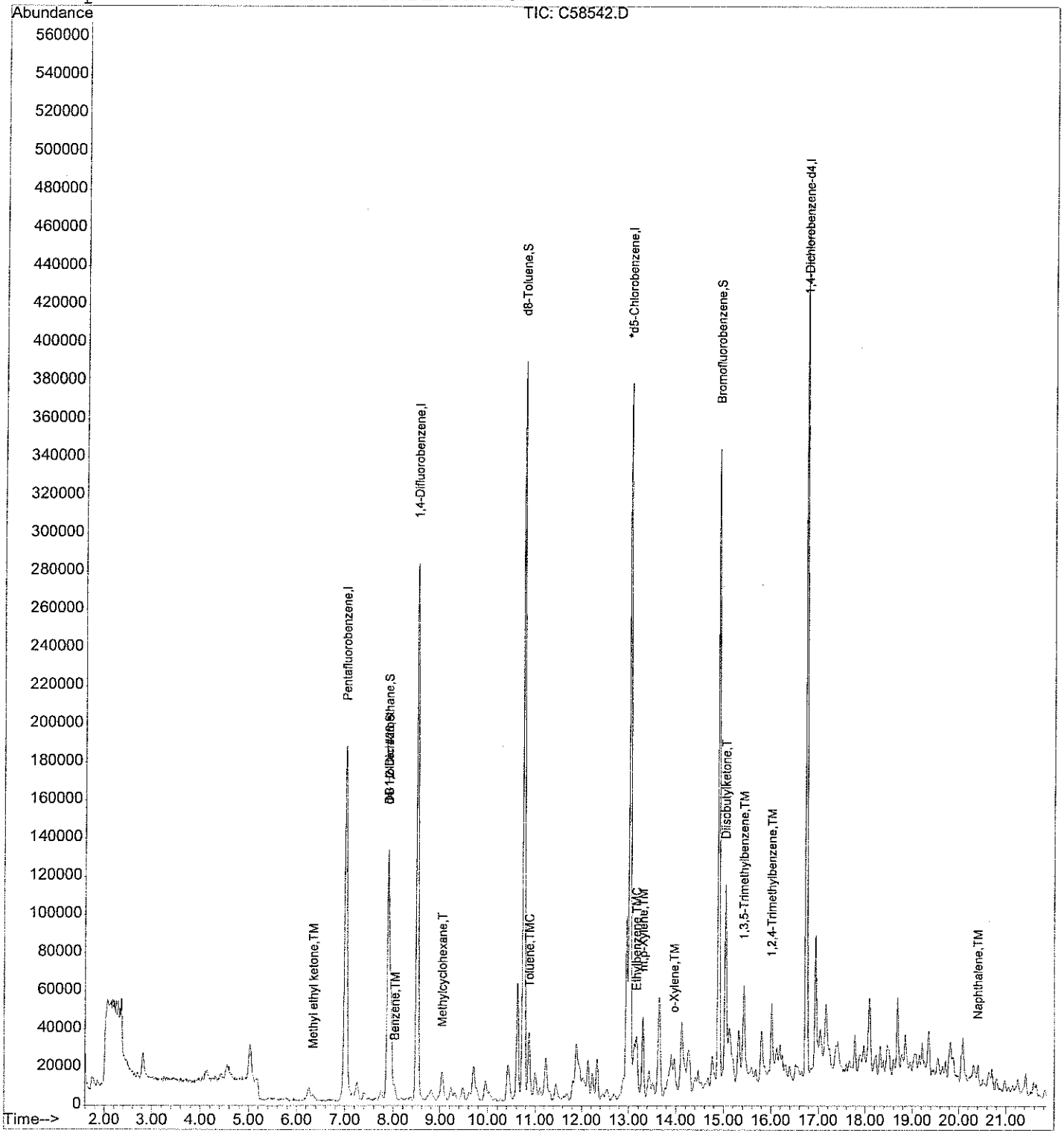
4.2526

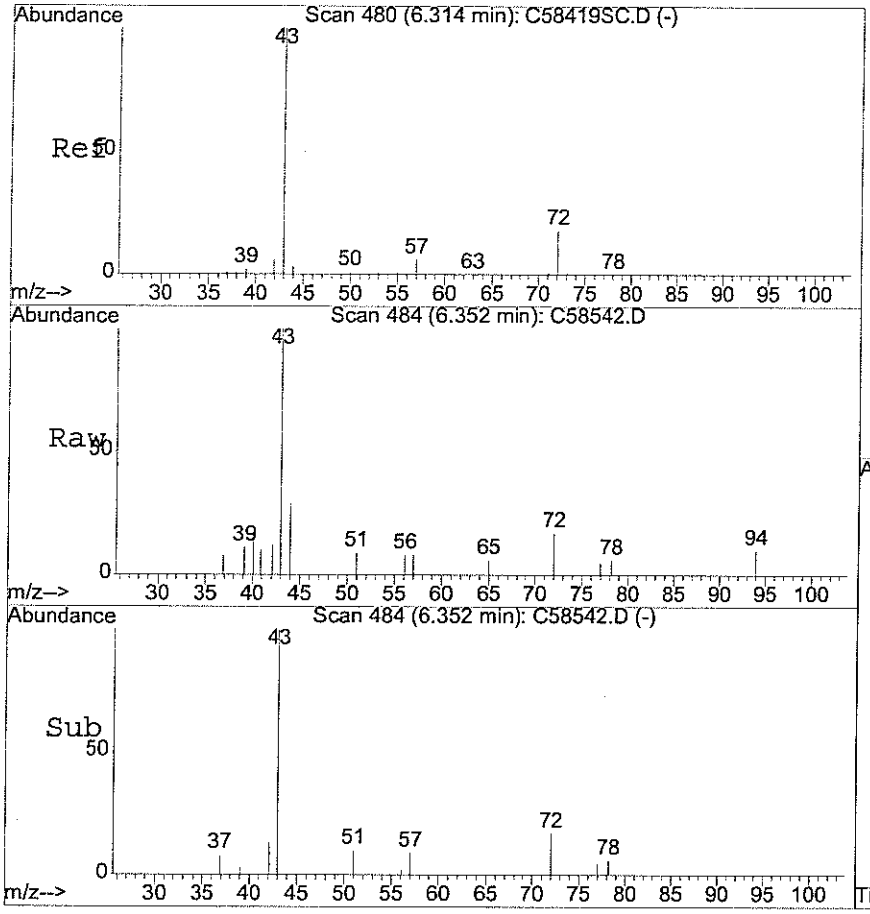
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042506C\C58542.D Vial: 10
Acq On : 25 Apr 2006 1:05 pm Operator:
Sample : 56323-5 Inst : Instr_C
Misc : 75,6.40,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 25 13:09 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration



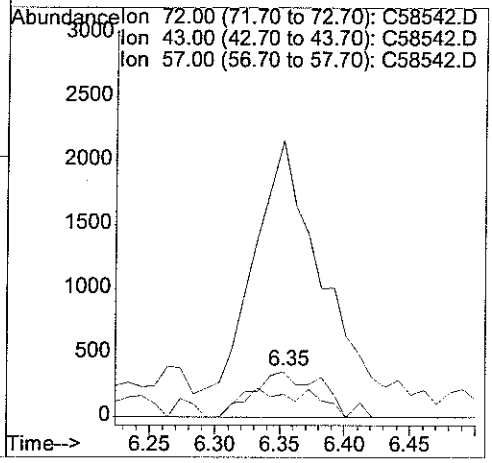


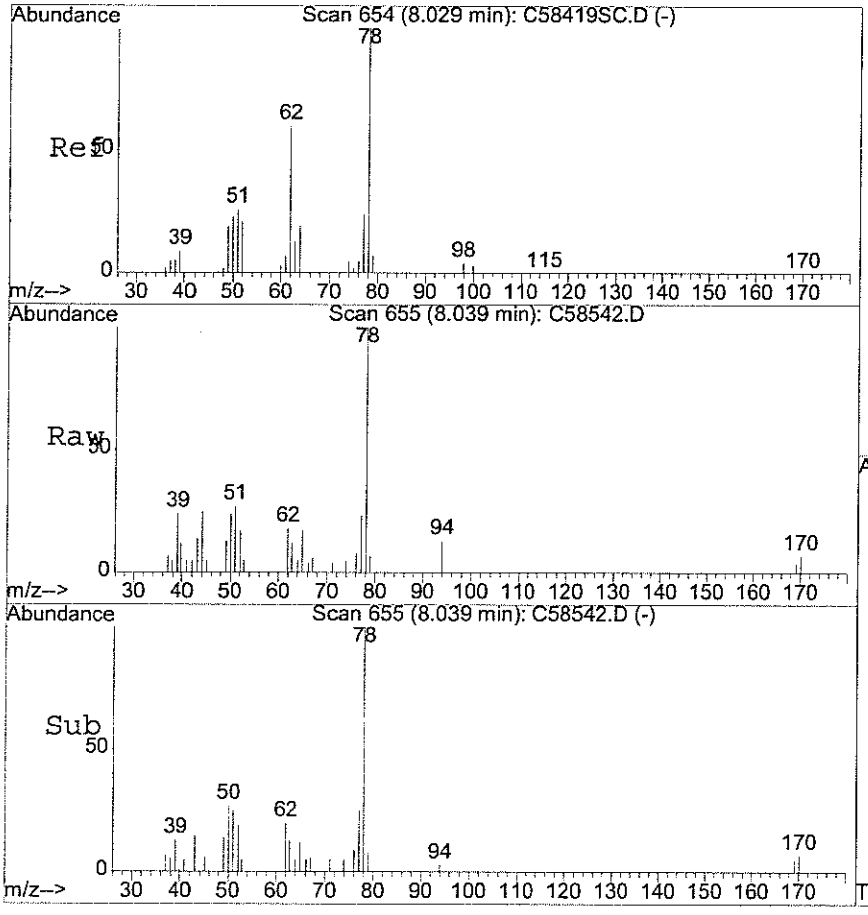
#23
Methyl ethyl ketone
Concen: 2.68 ug/L
RT: 6.35 min Scan# 484
Delta R.T. 0.04 min
Lab File: C58542.D
Acq: 25 Apr 2006 1:05 pm

Tgt Ion: 72 Resp: 1350

Ion	Ratio	Lower	Upper
72	100		
43	564.7	445.2	667.8
57	40.3	33.4	50.0

X
<5



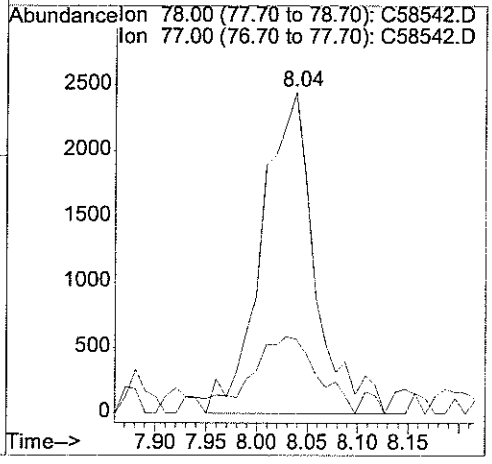


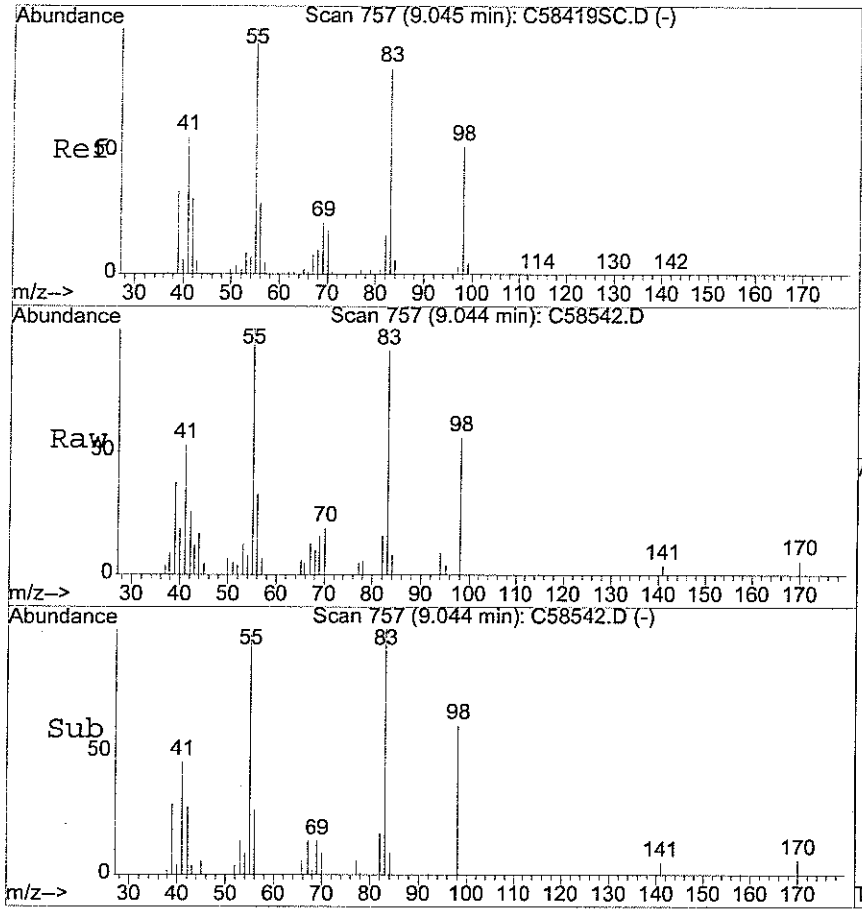
#38
Benzene
Concen: 0.47 ug/L
RT: 8.04 min Scan# 655
Delta R.T. 0.02 min
Lab File: C58542.D
Acq: 25 Apr 2006 1:05 pm

Tgt Ion: 78 Resp: 9035

Ion	Ratio	Lower	Upper
78	100		
77	23.2	4.0	44.0

Next hut
curve to 0.2

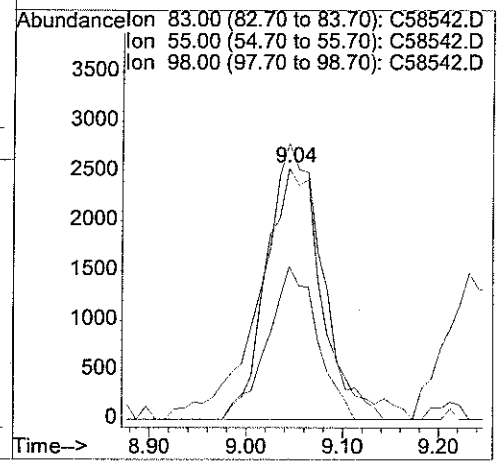


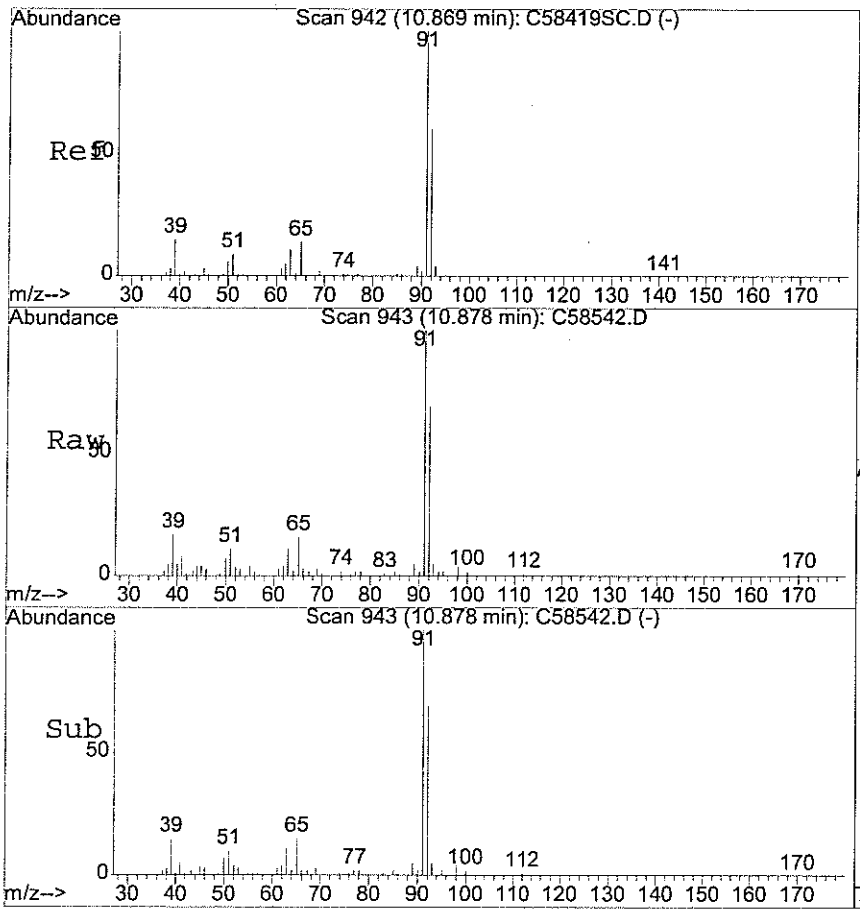


#48
Methylcyclohexane
Concen: 1.25 ug/L
RT: 9.04 min Scan# 757
Delta R.T. -0.00 min
Lab File: C58542.D
Acq: 25 Apr 2006 1:05 pm

Tgt Ion: 83 Resp: 10051

Ion	Ratio	Lower	Upper
83	100		
55	126.3	93.2	139.8
98	55.3	49.0	73.4

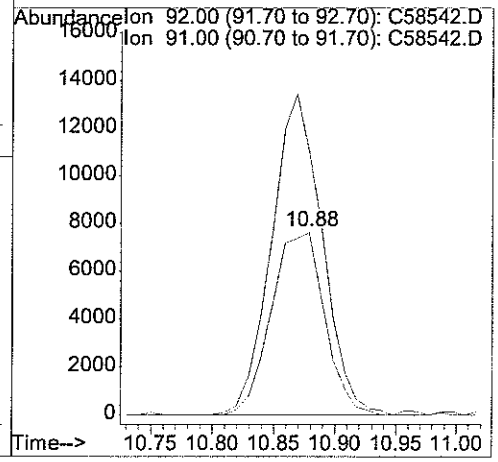


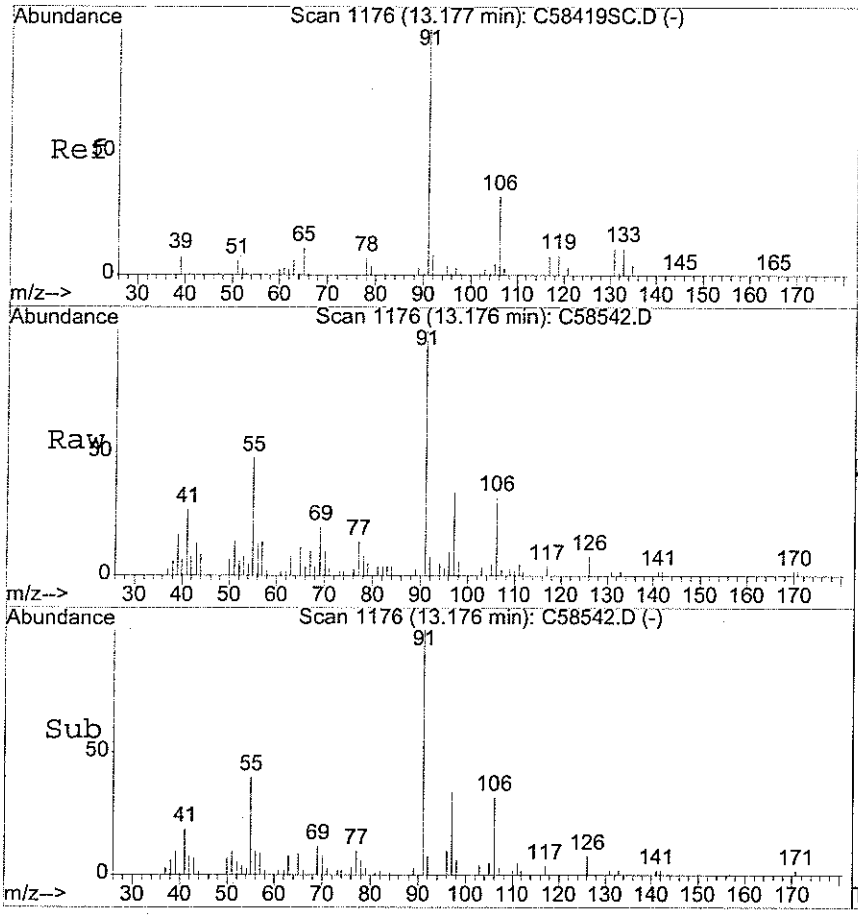


#55
Toluene
Concen: 1.85 ug/L
RT: 10.88 min Scan# 943
Delta R.T. 0.02 min
Lab File: C58542.D
Acq: 25 Apr 2006 1:05 pm

Tgt Ion: 92 Resp: 23074

Ion	Ratio	Lower	Upper
92	100		
91	144.6	146.3	186.3#

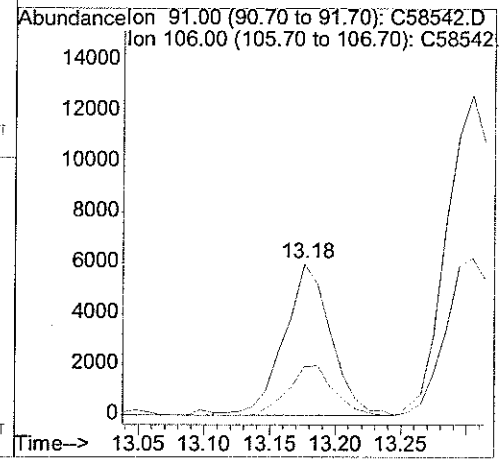


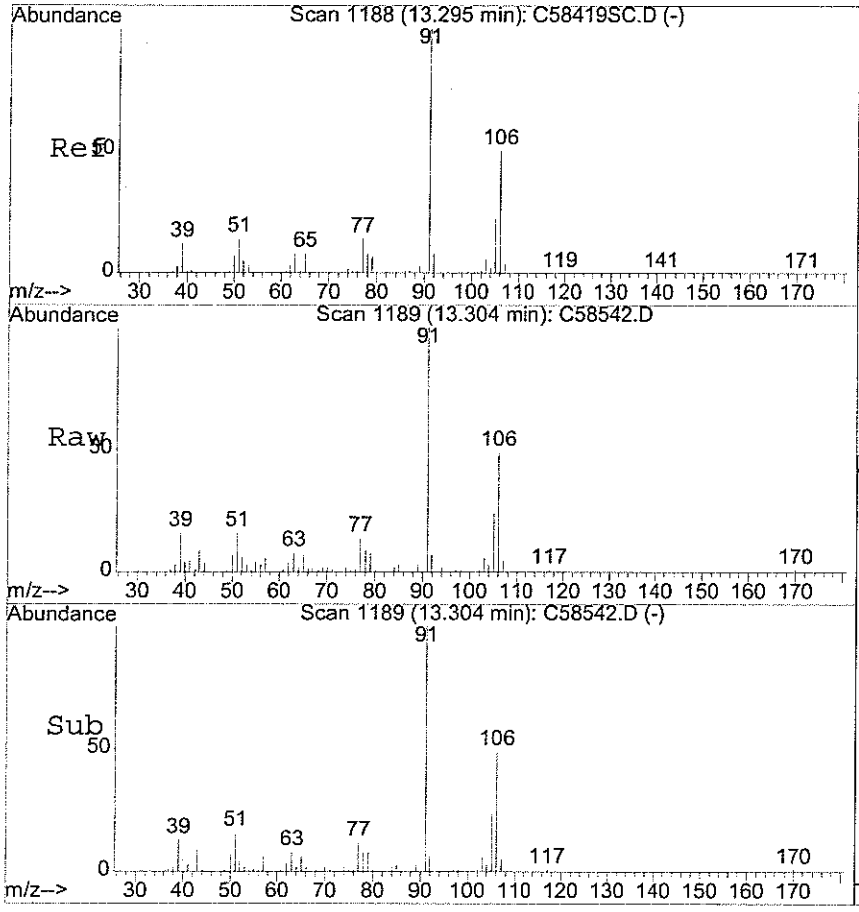


#66
Ethylbenzene
Concen: 0.61 ug/L
RT: 13.18 min Scan# 1176
Delta R.T. -0.00 min
Lab File: C58542.D
Acq: 25 Apr 2006 1:05 pm

Tgt Ion: 91 Resp: 14796

Ion	Ratio	Lower	Upper
91	100		
106	32.0	12.3	52.3

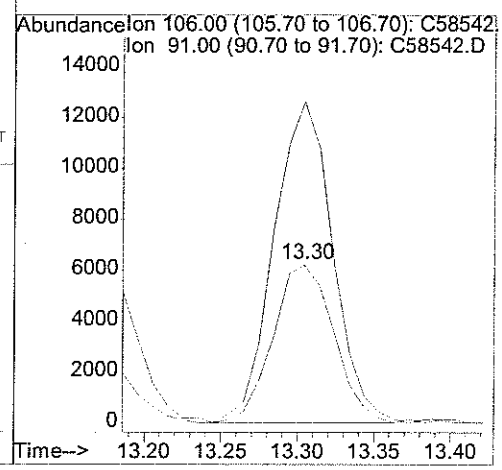


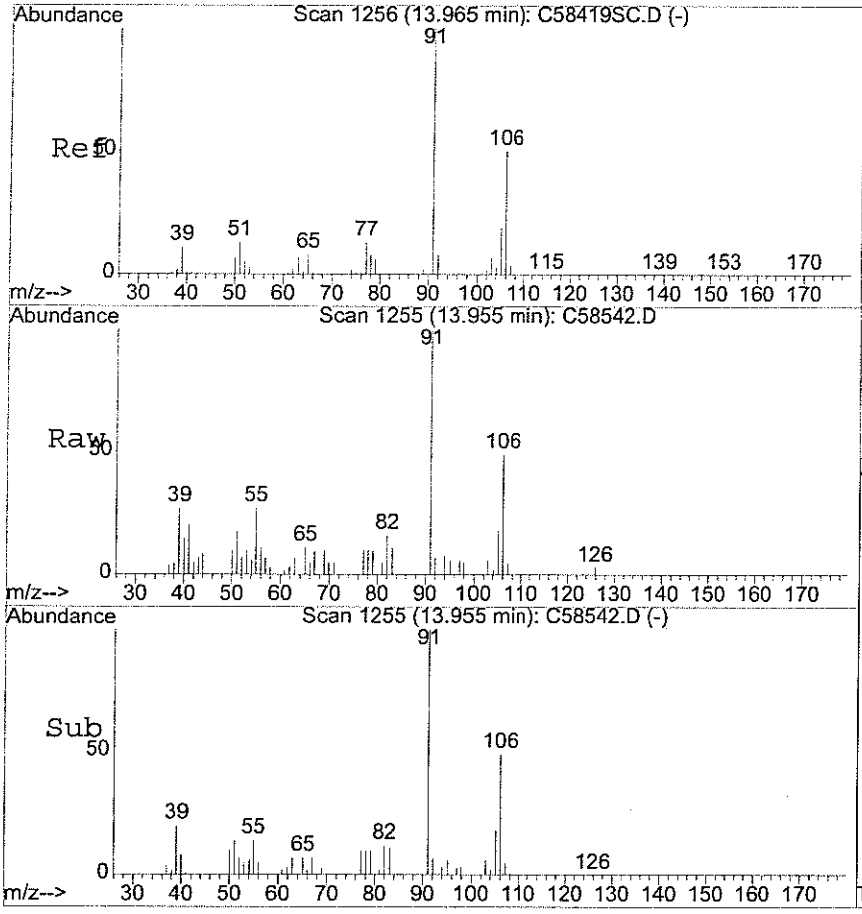


#67
m,p-Xylene
Concen: 1.75 ug/L
RT: 13.30 min Scan# 1189
Delta R.T. 0.01 min
Lab File: C58542.D
Acq: 25 Apr 2006 1:05 pm

Tgt Ion:106 Resp: 17139

Ion	Ratio	Lower	Upper
106	100		
91	204.1	159.9	239.9

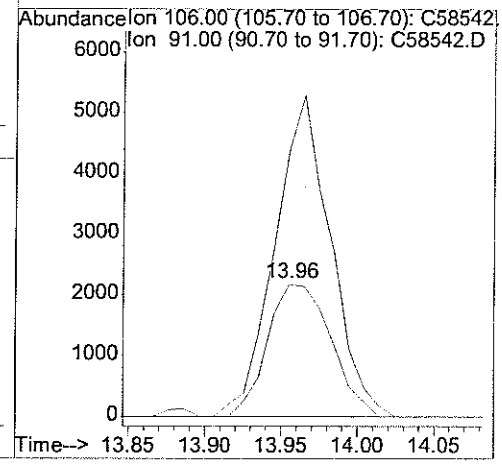


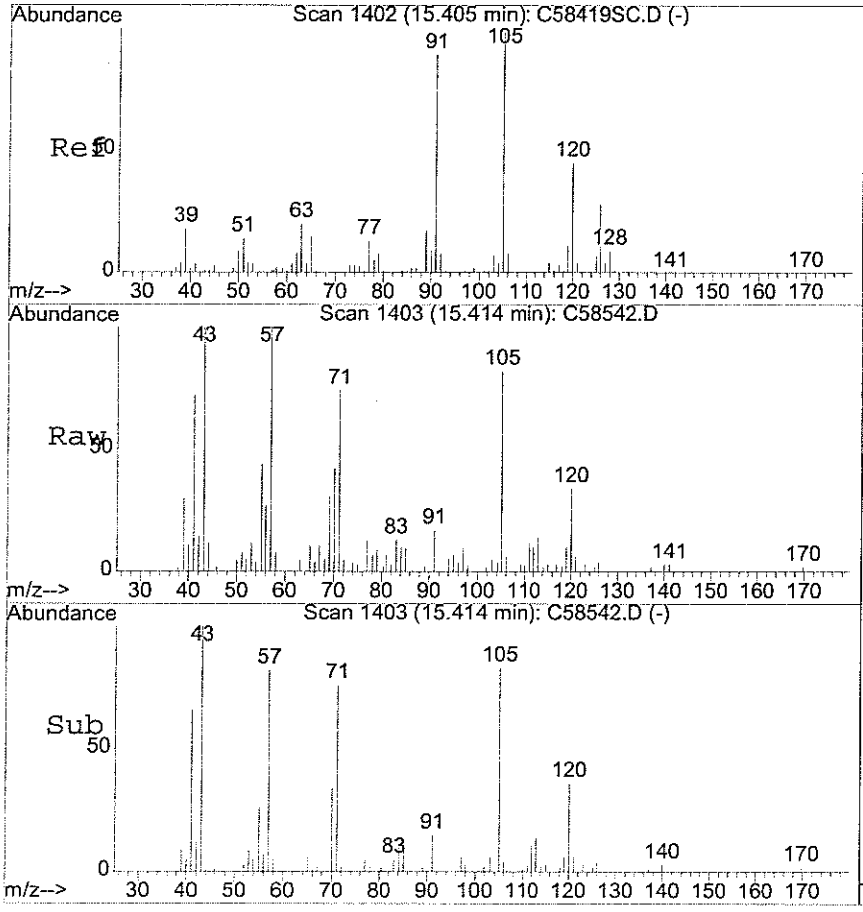


#68
o-Xylene
Concen: 0.66 ug/L
RT: 13.96 min Scan# 1255
Delta R.T. -0.00 min
Lab File: C58542.D
Acq: 25 Apr 2006 1:05 pm

Tgt Ion:106 Resp: 6279

Ion	Ratio	Lower	Upper
106	100		
91	202.3	181.6	221.6

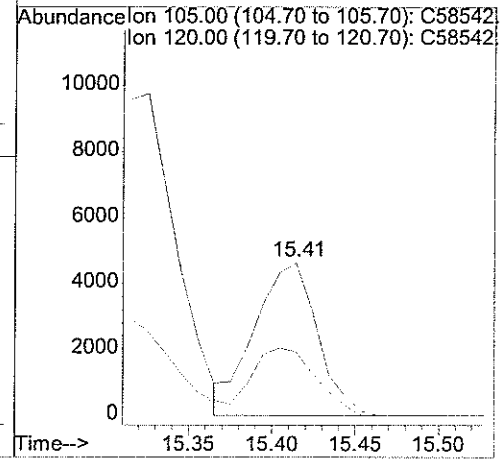


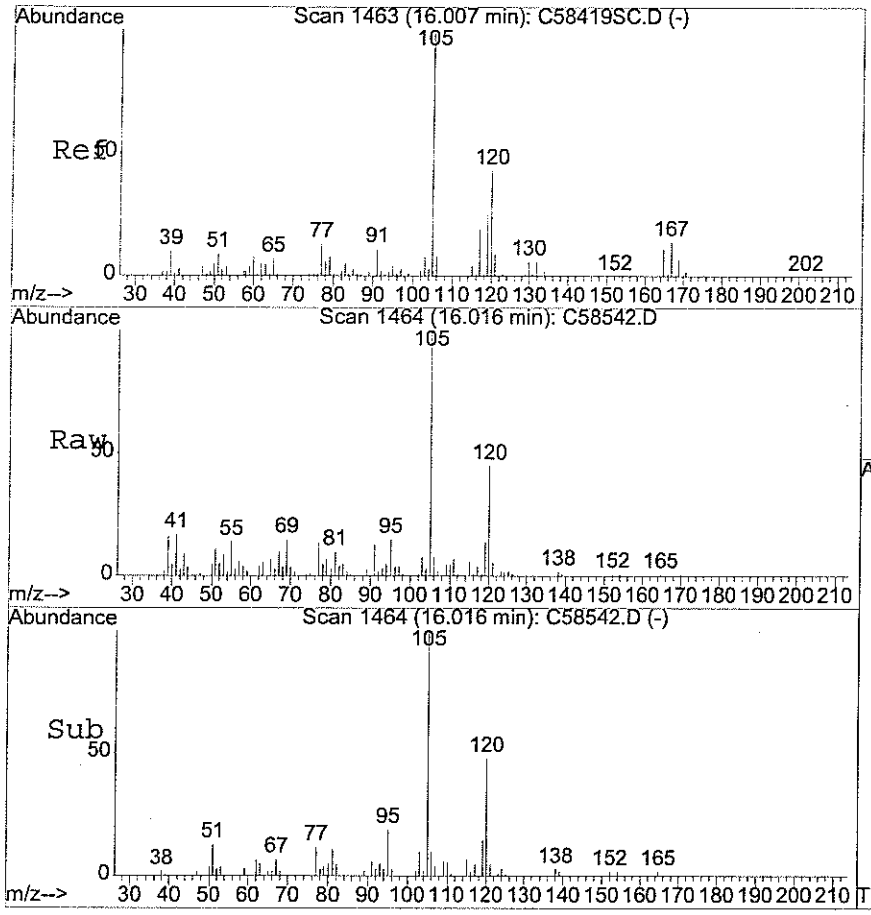


#78
1,3,5-Trimethylbenzene
Concen: 0.59 ug/L
RT: 15.41 min Scan# 1403
Delta R.T. 0.01 min
Lab File: C58542.D
Acq: 25 Apr 2006 1:05 pm

Tgt Ion:105 Resp: 12144

Ion	Ratio	Lower	Upper
105	100		
120	41.5	25.2	65.2

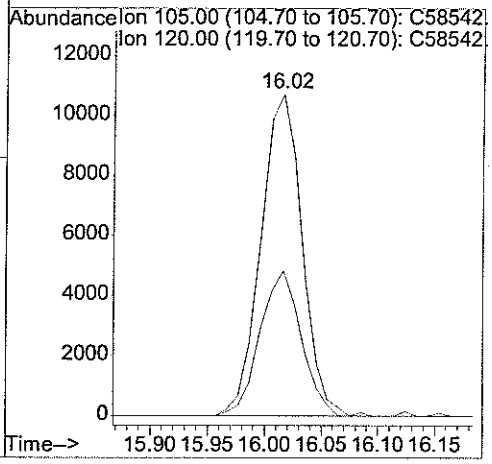


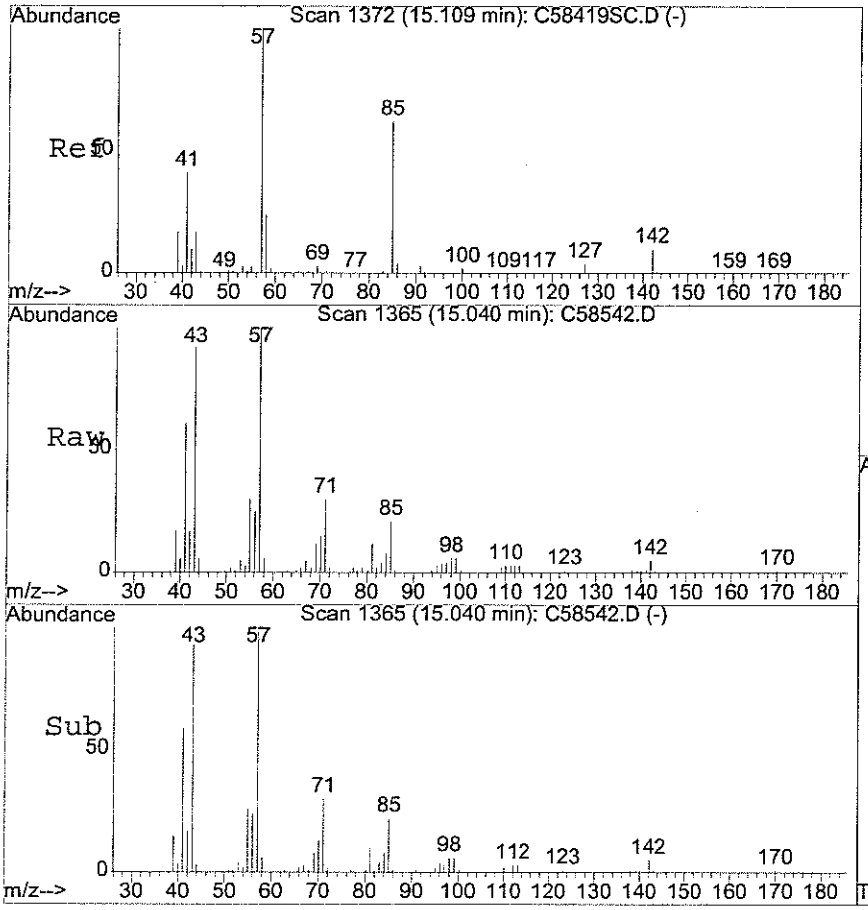


#82
1,2,4-Trimethylbenzene
Concen: 1.28 ug/L
RT: 16.02 min Scan# 1464
Delta R.T. 0.01 min
Lab File: C58542.D
Acq: 25 Apr 2006 1:05 pm

Tgt Ion:105 Resp: 26986

Ion	Ratio	Lower	Upper
105	100		
120	45.2	23.0	63.0

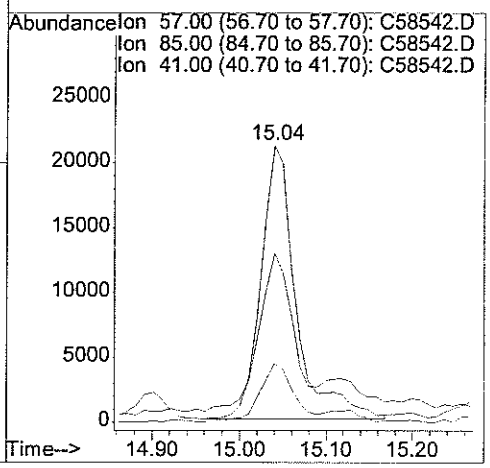


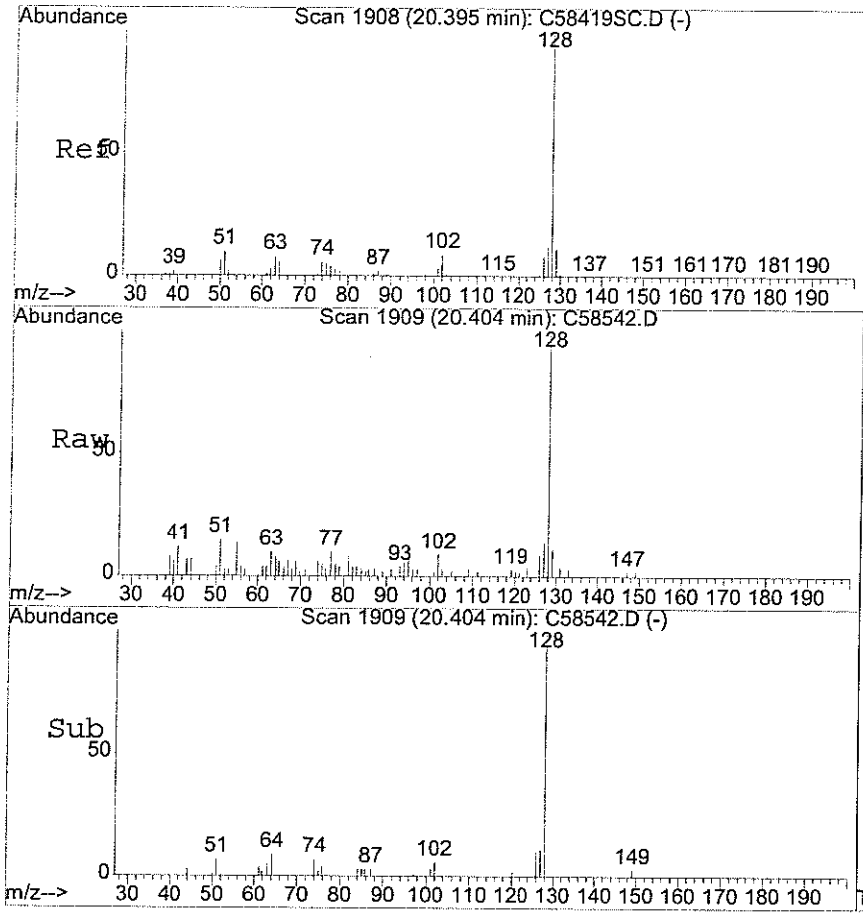


#83
Diisobutylketone
Concen: 4.03 ug/L
RT: 15.04 min Scan# 1365
Delta R.T. -0.07 min
Lab File: C58542.D
Acq: 25 Apr 2006 1:05 pm

Tgt Ion: 57 Resp: 59428

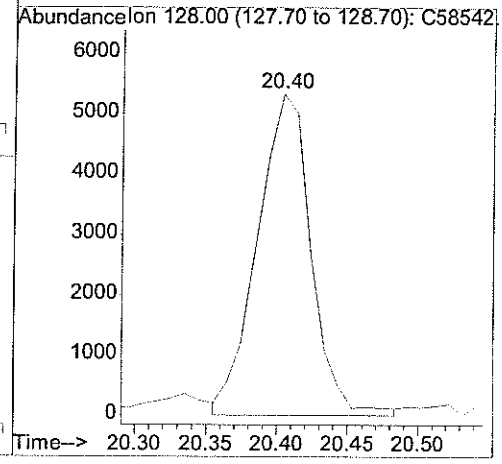
Ion	Ratio	Lower	Upper
57	100		
85	20.6	50.0	75.0#
41	57.2	33.4	50.0#





#96
Naphthalene
Concen: 0.77 ug/L
RT: 20.40 min Scan# 1909
Delta R.T. 0.01 min
Lab File: C58542.D
Acq: 25 Apr 2006 1:05 pm

Tgt Ion:128 Resp: 14150



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820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

April 25, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number:

Field Sample ID: NSB-NLON-SITE7-CS-SL-EXS-SWN-10

SAMPLE DATA

Lab Sample ID: 56323-6
Matrix: Solid
Percent Solid: 92
Dilution Factor: 62
Collection Date: 04/19/06
Lab Receipt Date: 04/21/06
Analysis Date: 04/24/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	20	U	1,3-Dichloropropane	62	U
Bromobenzene	62	U	cis-1,3-Dichloropropene	62	U
Bromochloromethane	62	U	trans-1,3-Dichloropropene	62	U
Bromodichloromethane	47	U	2,2-Dichloropropane	62	U
Bromoform	47	U	1,1-Dichloropropene	62	U
Bromomethane	62	U	Ethylbenzene	62	U
n-butylbenzene	62	U	Hexachlorobutadiene	62	U
sec-butylbenzene	62	U	Isopropylbenzene	62	U
tert-butylbenzene	62	U	p-isopropyltoluene	62	U
Carbon Tetrachloride	62	U	Methylene Chloride	310	U
Chlorobenzene	62	U	Methyl-tert-butyl ether (MTBE)	62	U
Chloroethane	62	U	Naphthalene	62	U
Chloroform	47	U	n-Propylbenzene	62	U
Chloromethane	62	U	Styrene	62	U
2-Chlorotoluene	62	U	1,1,1,2-Tetrachloroethane	62	U
4-Chlorotoluene	62	U	1,1,2,2-Tetrachloroethane	47	U
Dibromochloromethane	47	U	Tetrachloroethene	62	U
1,2-Dibromo-3-chloropropane	62	U	Toluene	62	U
1,2-Dibromoethane	47	U	1,2,3-Trichlorobenzene	62	U
Dibromomethane	62	U	1,2,4-Trichlorobenzene	62	U
1,2-Dichlorobenzene	62	U	1,1,1-Trichloroethane	62	**1910**
1,3-Dichlorobenzene	62	U	1,1,2-Trichloroethane	47	U
1,4-Dichlorobenzene	62	U	Trichloroethene	62	U
Dichlorodifluoromethane	62	U	Trichlorofluoromethane	62	U
1,1-Dichloroethane	62	U	1,2,3-Trichloropropane	62	U
1,2-Dichloroethane	47	U	1,2,4-Trimethylbenzene	62	U
1,1-Dichloroethene	47	U	1,3,5-Trimethylbenzene	62	U
cis-1,2-Dichloroethene	62	U	Vinyl Chloride	62	U
trans-1,2-Dichloroethene	62	U	o-Xylene	62	U
1,2-Dichloropropane	47	U	m,p-Xylene	62	U
Acetone	620	U	Diethyl ether	62	U
Carbon Disulfide	62	U	2-Hexanone	620	U
Tetrahydrofuran	310	U	Methyl isobutyl ketone	620	U
Methyl ethyl ketone	620	U	Di-isopropyl ether (DIPE)	62	U
t-Butyl alcohol (TBA)	1240	U	Ethyl t-butyl ether (ETBE)	62	U
t-Amyl methyl ether (TAME)	62	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	93 %	d8-Toluene	95 %	Bromofluorobenzene	95 %

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

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

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

8260 full

Authorized signature

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042406C\C58504.D Vial: 8
Acq On : 24 Apr 2006 5:34 pm Operator:
Sample : 56323-6 Inst : Instr_C
Misc : 75,5.83,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 24 17:23 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/25/06

DF = (5000)(5) / (75ml)(5.83)(.9218) = 62.0

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.99	168	236788	20.00 ug/L	-0.02
39) 1,4-Difluorobenzene	8.48	114	392602	20.00 ug/L	-0.01
63) *d5-Chlorobenzene	13.02	117	355145 ✓	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.74	152	186060	20.00 ug/L	0.00
System Monitoring Compounds					
28) DB Holder #28	7.87	65	174908	18.59 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	92.95% ✓	
36) d4-1,2-Dichloroethane	7.87	65	174908	18.59 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	92.95% ✓	
54) d8-Toluene	10.74	98	417412	19.00 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	95.00% ✓	
73) Bromofluorobenzene	14.89	95	172167	19.08 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	95.40% ✓	
Target Compounds					Qvalue
32) 1,1,1-Trichloroethane	7.38	97	311871 ✓	30.76 ug/L	97
~~83)~~ Diisobutylketone	15.04	57	10540	~~0.67~~ ug/L #	49

Benzene NOE20

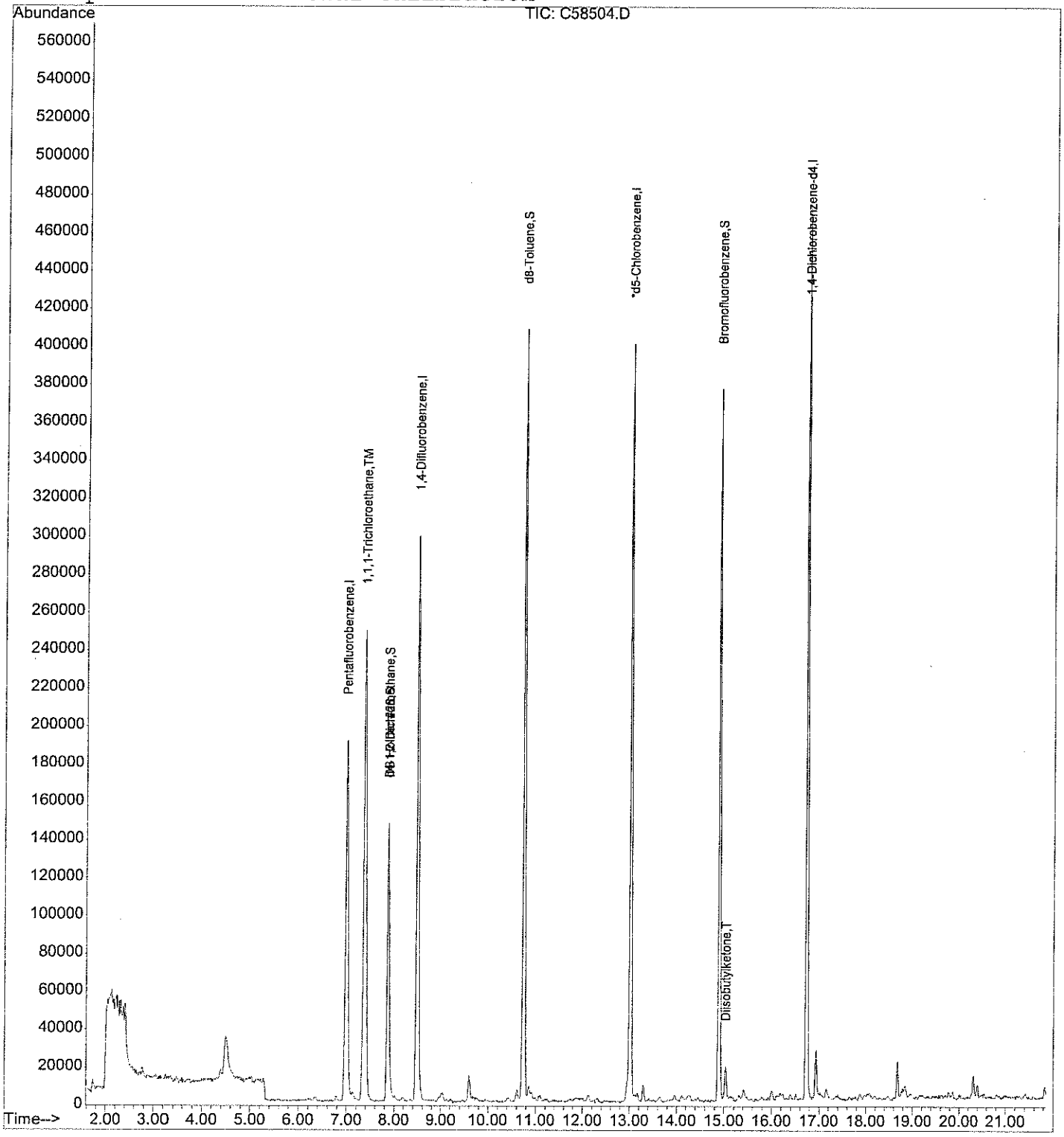
V5 4-25-06

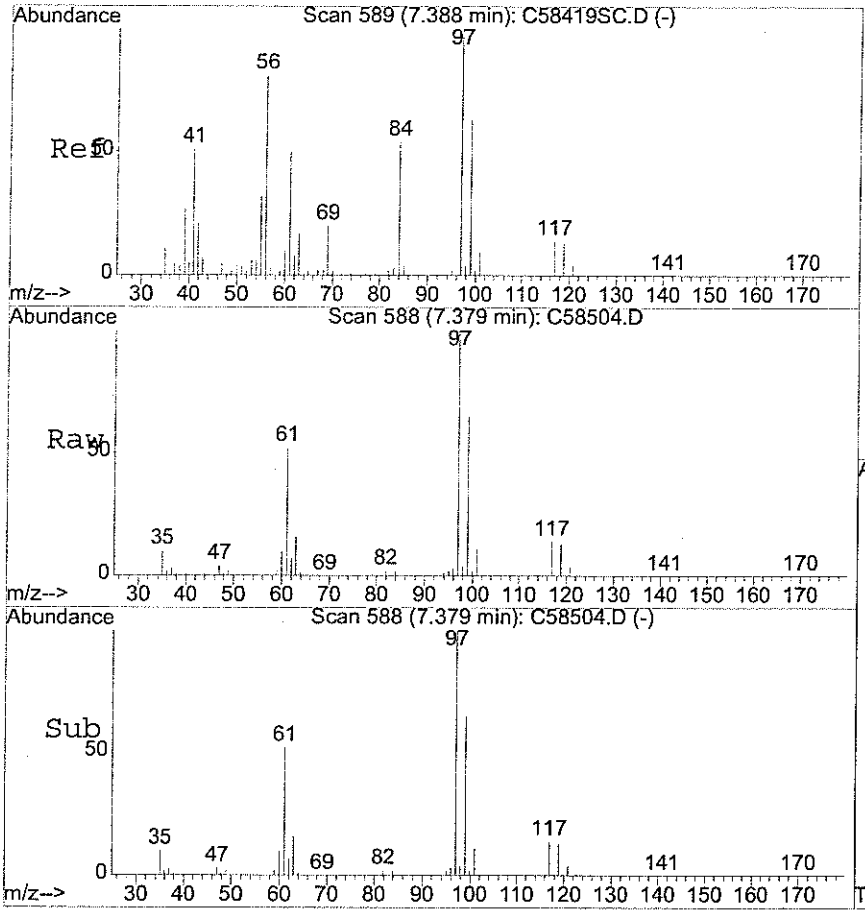
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042406C\C58504.D Vial: 8
Acq On : 24 Apr 2006 5:34 pm Operator:
Sample : 56323-6 Inst : Instr_C
Misc : 75,5.83,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 24 17:23 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration

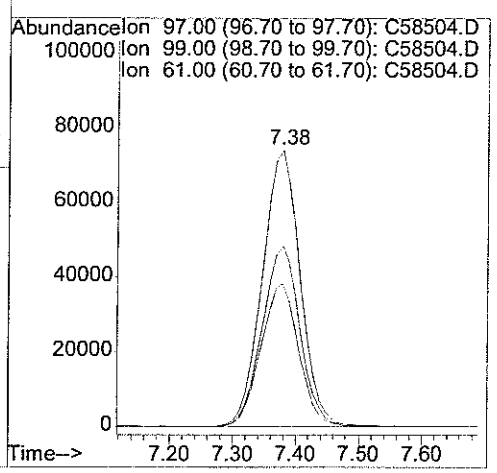


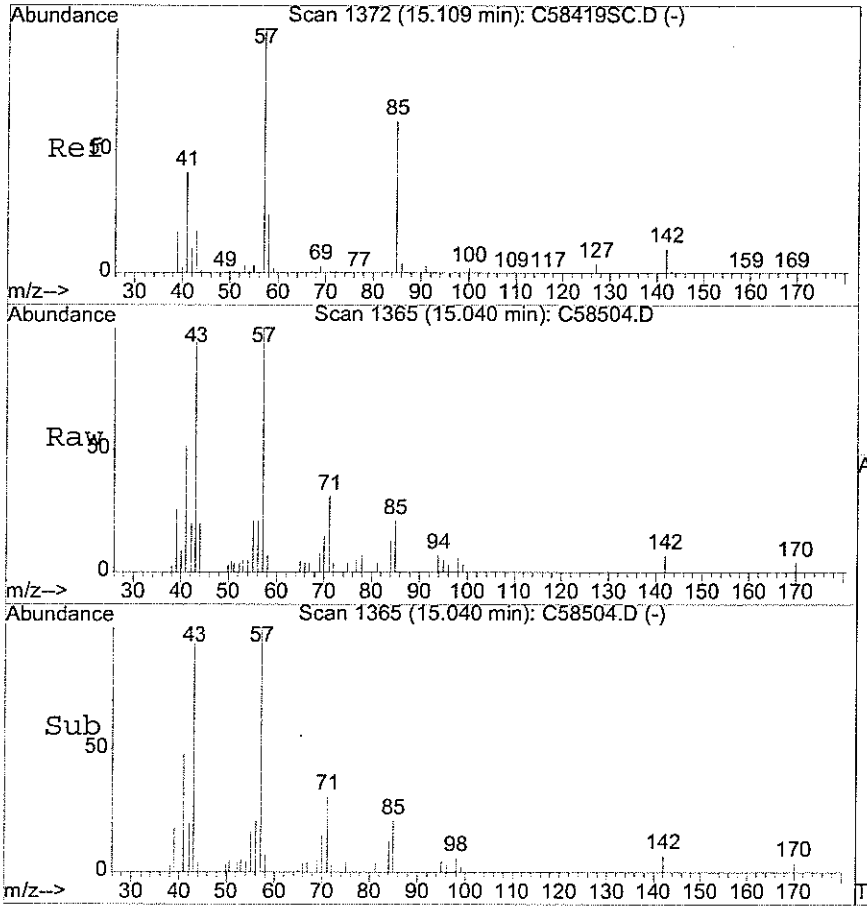


#32
1,1,1-Trichloroethane
Concen: 30.76 ug/L
RT: 7.38 min Scan# 588
Delta R.T. -0.01 min
Lab File: C58504.D
Acq: 24 Apr 2006 5:34 pm

Tgt Ion: 97 Resp: 311871

Ion	Ratio	Lower	Upper
97	100		
99	65.3	42.6	82.6
61	51.7	29.9	69.9

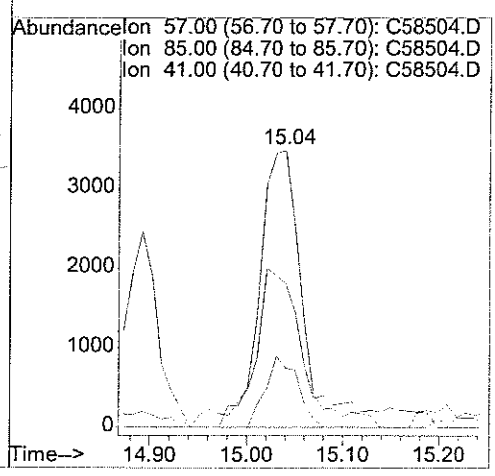




#83
Diisobutylketone
Concen: 0.67 ug/L
RT: 15.04 min Scan# 1365
Delta R.T. -0.07 min
Lab File: C58504.D
Acq: 24 Apr 2006 5:34 pm

Tgt Ion: 57 Resp: 10540

Ion	Ratio	Lower	Upper
57	100		
85	20.0	50.0	75.0#
41	70.7	33.4	50.0#



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Langhorne PA 19047-1748

April 25, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number:

Field Sample ID: SWN-10-041906-1

SAMPLE DATA

Lab Sample ID: 56323-7
Matrix: Solid
Percent Solid: 92
Dilution Factor: 59
Collection Date: 04/19/06
Lab Receipt Date: 04/21/06
Analysis Date: 04/24/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	20	U	1,3-Dichloropropane	59	U
Bromobenzene	59	U	cis-1,3-Dichloropropene	59	U
Bromochloromethane	59	U	trans-1,3-Dichloropropene	59	U
Bromodichloromethane	44	U	2,2-Dichloropropane	59	U
Bromoform	44	U	1,1-Dichloropropene	59	U
Bromomethane	59	U	Ethylbenzene	59	U
n-butylbenzene	59	U	Hexachlorobutadiene	59	U
sec-butylbenzene	59	U	Isopropylbenzene	59	U
tert-butylbenzene	59	U	p-isopropyltoluene	59	U
Carbon Tetrachloride	59	U	Methylene Chloride	293	U
Chlorobenzene	59	U	Methyl-tert-butyl ether (MTBE)	59	U
Chloroethane	59	U	Naphthalene	59	U
Chloroform	44	U	n-Propylbenzene	59	U
Chloromethane	59	U	Styrene	59	U
2-Chlorotoluene	59	U	1,1,1,2-Tetrachloroethane	59	U
4-Chlorotoluene	59	U	1,1,2,2-Tetrachloroethane	44	U
Dibromochloromethane	44	U	Tetrachloroethene	59	U
1,2-Dibromo-3-chloropropane	59	U	Toluene	59	U
1,2-Dibromoethane	44	U	1,2,3-Trichlorobenzene	59	U
Dibromomethane	59	U	1,2,4-Trichlorobenzene	59	U
1,2-Dichlorobenzene	59	U	1,1,1-Trichloroethane	59	**1990**
1,3-Dichlorobenzene	59	U	1,1,2-Trichloroethane	44	U
1,4-Dichlorobenzene	59	U	Trichloroethene	59	U
Dichlorodifluoromethane	59	U	Trichlorofluoromethane	59	U
1,1-Dichloroethane	59	U	1,2,3-Trichloropropane	59	U
1,2-Dichloroethane	44	U	1,2,4-Trimethylbenzene	59	U
1,1-Dichloroethene	44	U	1,3,5-Trimethylbenzene	59	U
cis-1,2-Dichloroethene	59	U	Vinyl Chloride	59	U
trans-1,2-Dichloroethene	59	U	o-Xylene	59	U
1,2-Dichloropropane	44	U	m,p-Xylene	59	U
Acetone	587	U	Diethyl ether	59	U
Carbon Disulfide	59	U	2-Hexanone	587	U
Tetrahydrofuran	293	U	Methyl isobutyl ketone	587	U
Methyl ethyl ketone	587	U	Di-isopropyl ether (DIPE)	59	U
t-Butyl alcohol (TBA)	1170	U	Ethyl t-butyl ether (ETBE)	59	U
t-Amyl methyl ether (TAME)	59	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	94 %	d8-Toluene	98 %	Bromofluorobenzene	95 %

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

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

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

8260 full

Authorized signature Melissa Hall

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042406C\C58505.D Vial: 9
Acq On : 24 Apr 2006 5:34 pm Operator:
Sample : 56323-7 Inst : Instr_C
Misc : 75,6.19,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 24 17:52 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/25/06

$DF = \frac{(5000)(5)}{(75ml)(6.19_5)(.9181)} = 58.7$

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.00	168	240498	20.00	ug/L	-0.02
39) 1,4-Difluorobenzene	8.49	114	394342 ✓	20.00	ug/L	0.00
63) *d5-Chlorobenzene	13.01	117	363476	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.74	152	187173	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.87	65	180503	18.88	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	94.40% ✓		
36) d4-1,2-Dichloroethane	7.87	65	180503	18.88	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	94.40% ✓		
54) d8-Toluene	10.75	98	430334	19.50	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	97.50% ✓		
73) Bromofluorobenzene	14.90	95	175486	19.00	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	95.00% ✓		
Target Compounds						Qvalue
~~12)~~ Acetone	3.58	43	6470	~~3.10~~	ug/L #	88
(32) 1,1,1-Trichloroethane	7.37	97	348964 ✓	33.89	ug/L	98

Benzene ND @ 20

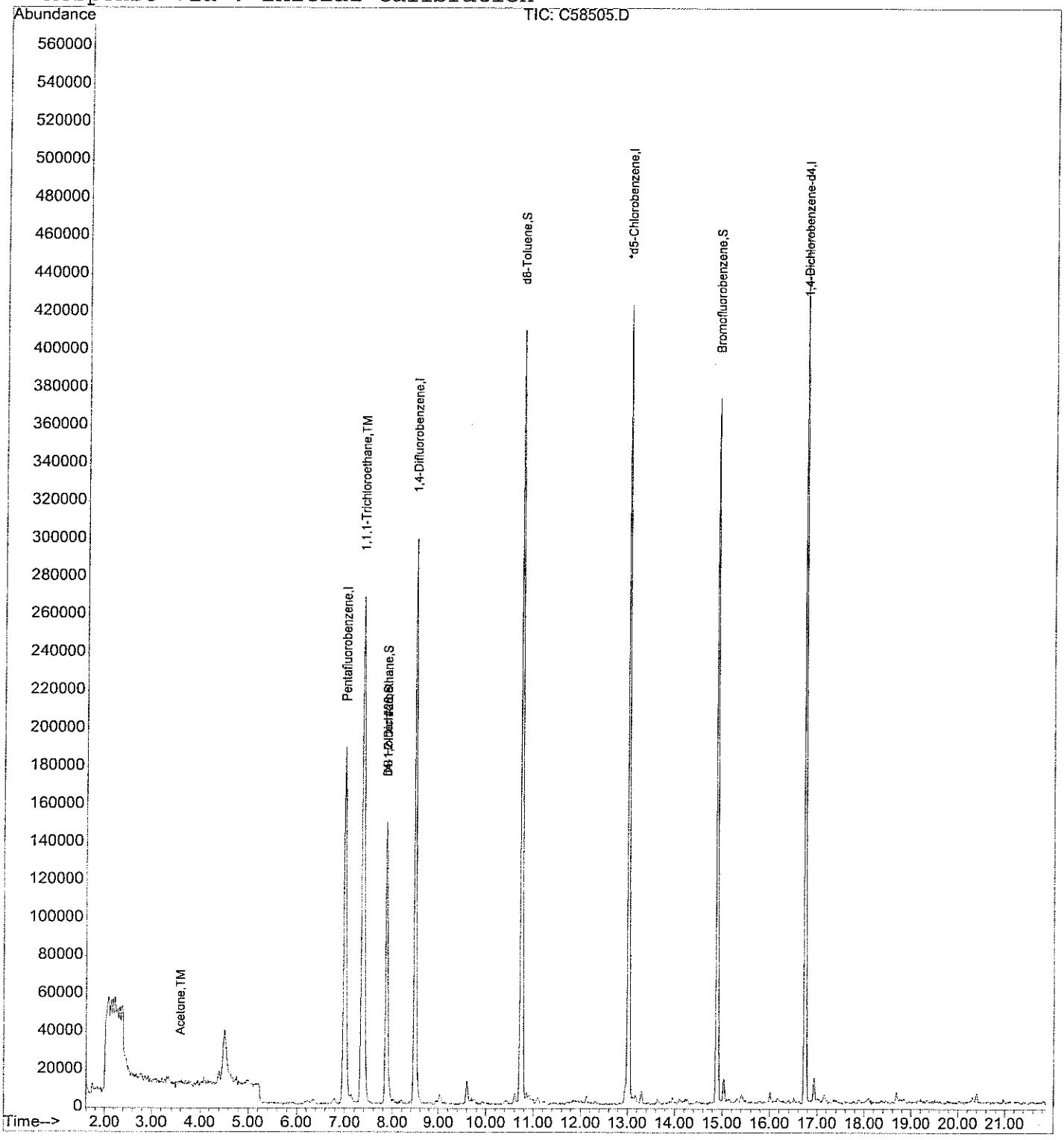
4/25/06

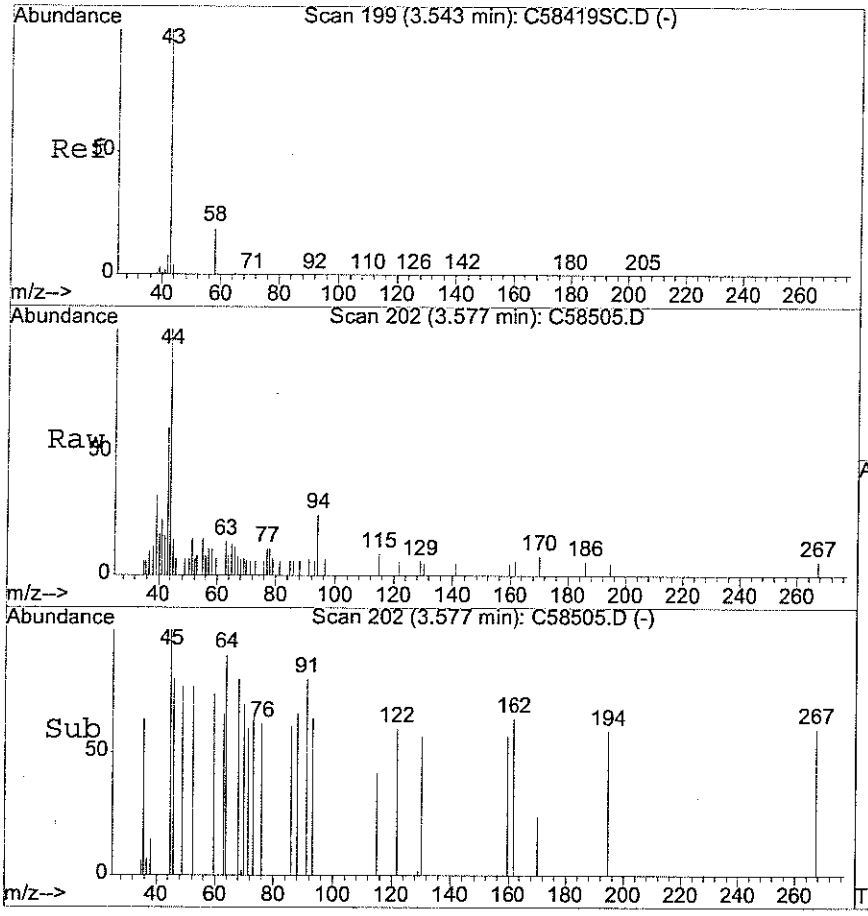
(#) = qualifier out of range (m) = manual integration
C58505.D V804176C.M Mon Apr 24 17:52:20 2006 Page 1

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042406C\C58505.D Vial: 9
Acq On : 24 Apr 2006 5:34 pm Operator:
Sample : 56323-7 Inst : Instr_C
Misc : 75,6.19,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 24 17:52 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration

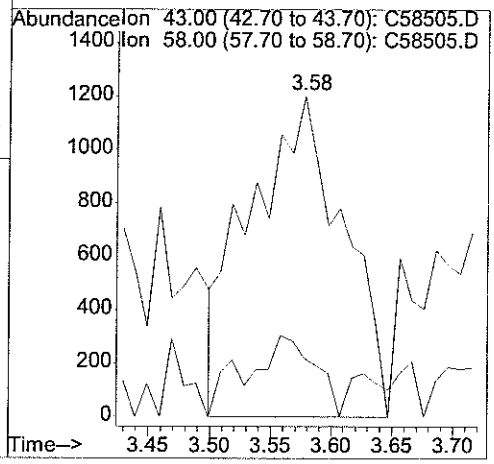


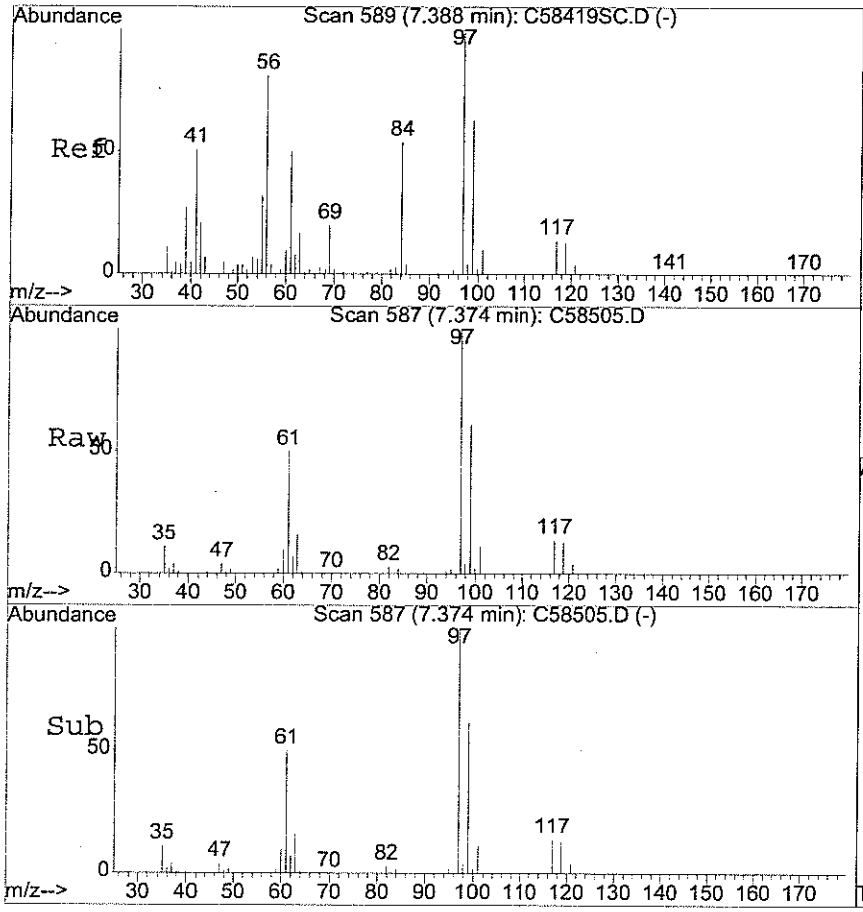


#12
Acetone
Concen: 3.10 ug/L
RT: 3.58 min Scan# 202
Delta R.T. 0.04 min
Lab File: C58505.D
Acq: 24 Apr 2006 5:34 pm

Tgt Ion: 43 Resp: 6470

Ion	Ratio	Lower	Upper
43	100		
58	13.9	15.7	23.5#

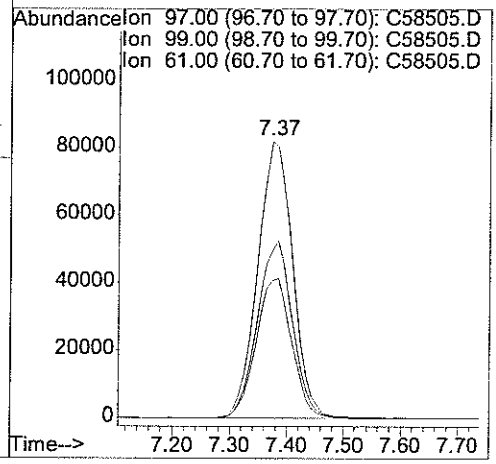




#32
1,1,1-Trichloroethane
Concen: 33.89 ug/L
RT: 7.37 min Scan# 587
Delta R.T. -0.02 min
Lab File: C58505.D
Acq: 24 Apr 2006 5:34 pm

Tgt Ion: 97 Resp: 348964

Ion	Ratio	Lower	Upper
97	100		
99	60.7	42.6	82.6
61	49.5	29.9	69.9



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April 25, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number:

Field Sample ID: NSB-NLON-SITE7-CS-SL-EXS-SWS-11

SAMPLE DATA

Lab Sample ID: 56323-8
Matrix: Solid
Percent Solid: 89
Dilution Factor: 63
Collection Date: 04/21/06
Lab Receipt Date: 04/21/06
Analysis Date: 04/25/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	20	U	1,3-Dichloropropane	63	U
Bromobenzene	63	U	cis-1,3-Dichloropropene	63	U
Bromochloromethane	63	U	trans-1,3-Dichloropropene	63	U
Bromodichloromethane	47	U	2,2-Dichloropropane	63	U
Bromoform	47	U	1,1-Dichloropropene	63	U
Bromomethane	63	U	Ethylbenzene	63	U
n-butylbenzene	63	U	Hexachlorobutadiene	63	U
sec-butylbenzene	63	U	Isopropylbenzene	63	U
tert-butylbenzene	63	U	p-isopropyltoluene	63	U
Carbon Tetrachloride	63	U	Methylene Chloride	314	U
Chlorobenzene	63	U	Methyl-tert-butyl ether (MTBE)	63	U
Chloroethane	63	U	Naphthalene	63	U
Chloroform	47	U	n-Propylbenzene	63	U
Chloromethane	63	U	Styrene	63	U
2-Chlorotoluene	63	U	1,1,1,2-Tetrachloroethane	63	U
4-Chlorotoluene	63	U	1,1,2,2-Tetrachloroethane	47	U
Dibromochloromethane	47	U	Tetrachloroethene	63	U
1,2-Dibromo-3-chloropropane	63	U	Toluene	63	U
1,2-Dibromoethane	47	U	1,2,3-Trichlorobenzene	63	U
Dibromomethane	63	U	1,2,4-Trichlorobenzene	63	U
1,2-Dichlorobenzene	63	U	1,1,1-Trichloroethane	63	U
1,3-Dichlorobenzene	63	U	1,1,2-Trichloroethane	47	U
1,4-Dichlorobenzene	63	U	Trichloroethene	63	U
Dichlorodifluoromethane	63	U	Trichlorofluoromethane	63	U
1,1-Dichloroethane	63	U	1,2,3-Trichloropropane	63	U
1,2-Dichloroethane	47	U	1,2,4-Trimethylbenzene	63	U
1,1-Dichloroethene	47	U	1,3,5-Trimethylbenzene	63	U
cis-1,2-Dichloroethene	63	U	Vinyl Chloride	63	U
trans-1,2-Dichloroethene	63	U	o-Xylene	63	U
1,2-Dichloropropane	47	U	m,p-Xylene	63	U
Acetone	629	U	Diethyl ether	63	U
Carbon Disulfide	63	U	2-Hexanone	629	U
Tetrahydrofuran	314	U	Methyl isobutyl ketone	629	U
Methyl ethyl ketone	629	U	Di-isopropyl ether (DIPE)	63	U
t-Butyl alcohol (TBA)	1260	U	Ethyl t-butyl ether (ETBE)	63	U
t-Amyl methyl ether (TAME)	63	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	173 * %	d8-Toluene	183 * %	Bromofluorobenzene	183 * %

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

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

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A. * Surrogate recoveries are above the laboratory acceptance criteria. Sample was reanalyzed with similar results.

8260 full

Authorized signature

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042506C\C58543.D Vial: 11
Acq On : 25 Apr 2006 1:38 pm Operator:
Sample : 56323-8 Inst : Instr_C
Misc : 75,5.94,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 25 13:38 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/25/06
DF = (5000)(5) / (75)(5.94)(.8925) = 629

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.00	168	243579	20.00	ug/L	-0.01
39) 1,4-Difluorobenzene	8.49	114	390369	20.00	ug/L	0.00
63) *d5-Chlorobenzene	13.03	117	349309 ✓	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.75	152	173113	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.88	65	335177	34.62	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 173.10%#			
36) d4-1,2-Dichloroethane	7.88	65	335177	34.62	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 173.10%#			
54) d8-Toluene	10.75	98	800296	36.64	ug/L	0.00 *
Spiked Amount 20.000	Range 70 - 130		Recovery = 183.20%#			
73) Bromofluorobenzene	14.90	95	324487	36.56	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 182.80%#			
Target Compounds						Qvalue
43) Methyl acetate	4.25	43	4237	0.72	ug/L #	71
82) 1,2,4-Trimethylbenzene	16.02	105	14888	0.68	ug/L	96
83) Diisobutylketone	15.04	57	49801	3.23	ug/L #	51
96) Naphthalene	20.41	128	10294	0.55	ug/L	100

* ↑ surr conf by file C58506.D

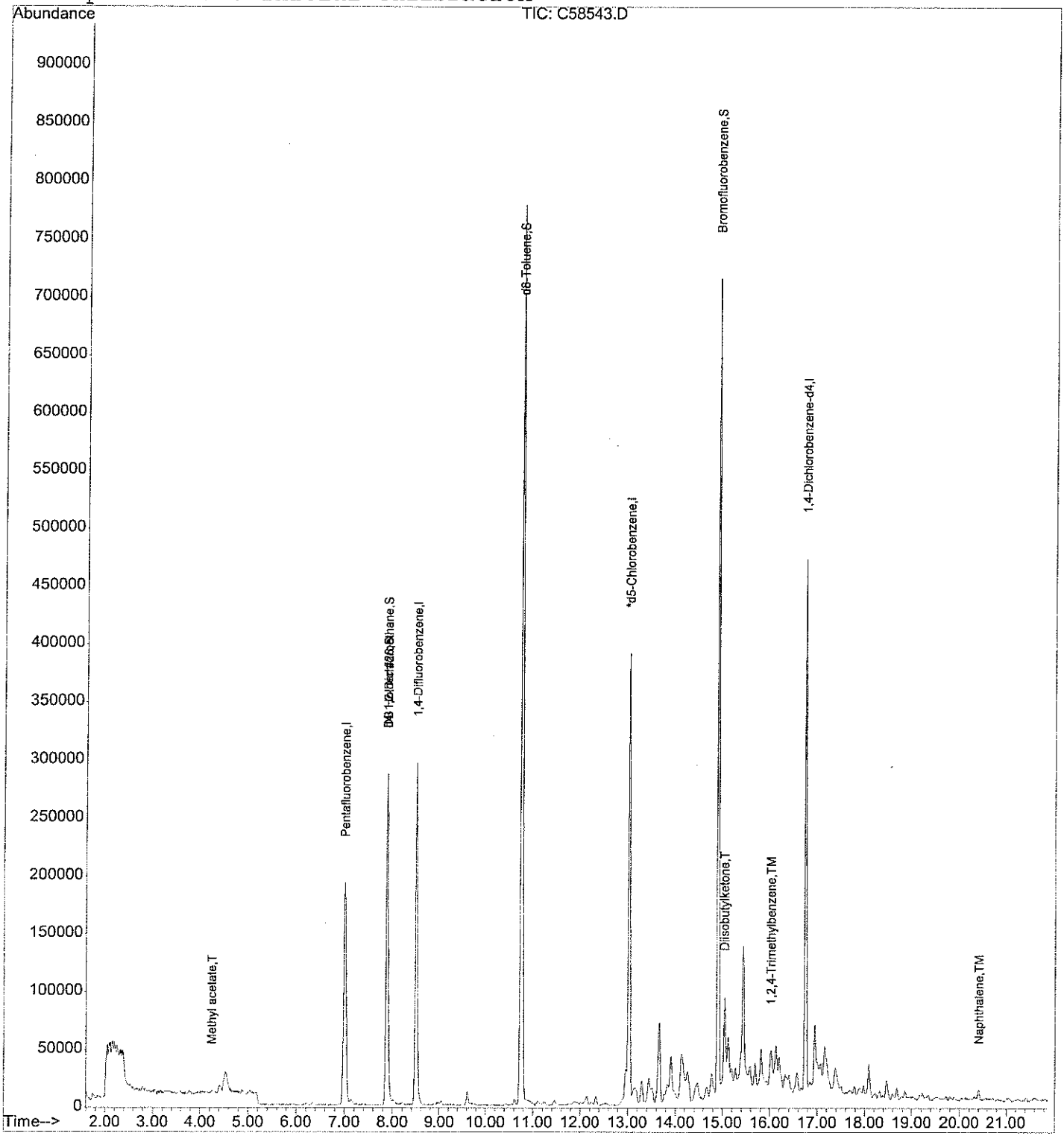
√ 042506

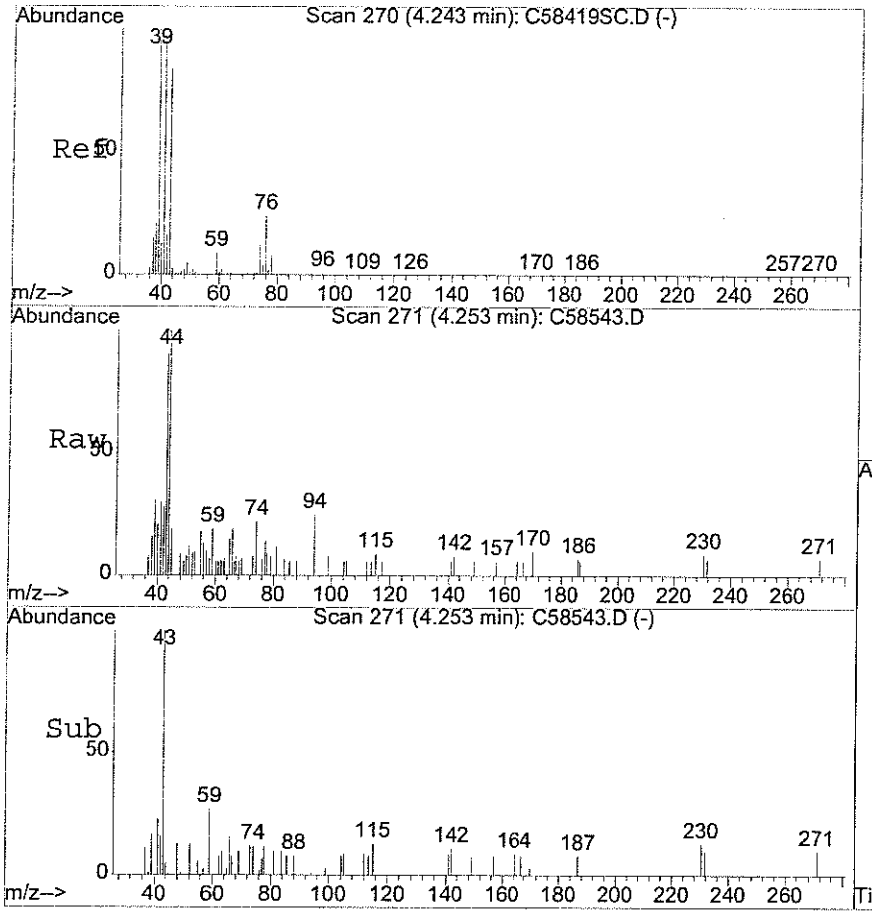
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042506C\C58543.D Vial: 11
Acq On : 25 Apr 2006 1:38 pm Operator:
Sample : 56323-8 Inst : Instr_C
Misc : 75,5.94,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 25 13:38 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration

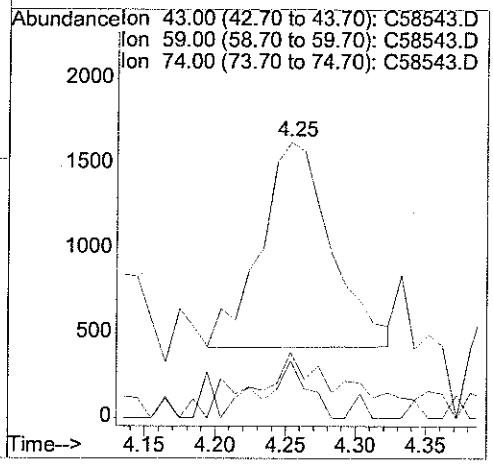


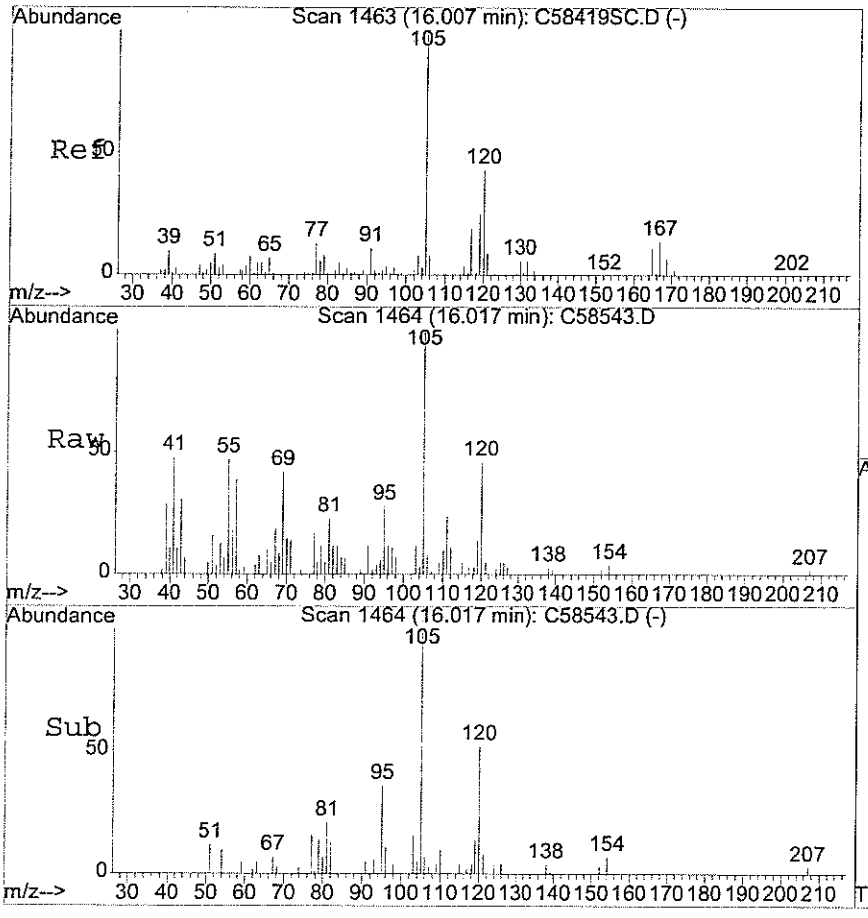


#43
Methyl acetate
Concen: 0.72 ug/L
RT: 4.25 min Scan# 271
Delta R.T. 0.01 min
Lab File: C58543.D
Acq: 25 Apr 2006 1:38 pm

Tgt Ion: 43 Resp: 4237

Ion	Ratio	Lower	Upper
43	100		
59	17.4	7.9	11.9#
74	30.9	12.8	19.2#

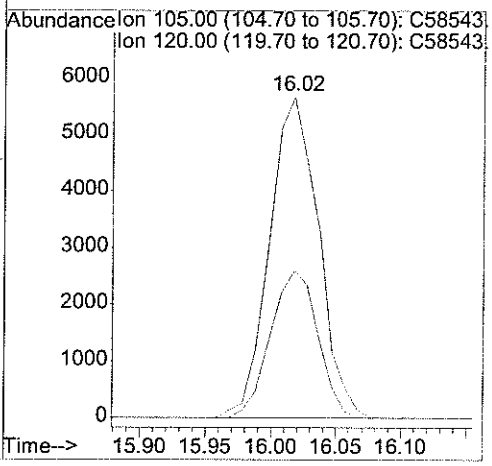


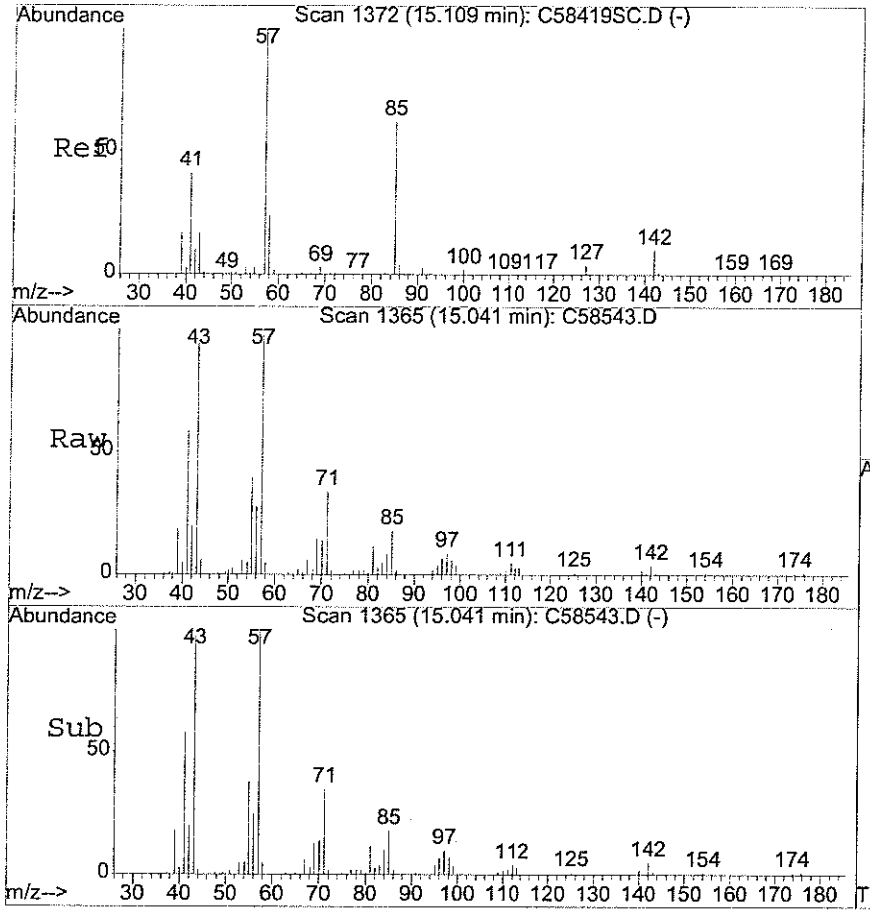


#82
1,2,4-Trimethylbenzene
Concen: 0.68 ug/L
RT: 16.02 min Scan# 1464
Delta R.T. 0.01 min
Lab File: C58543.D
Acq: 25 Apr 2006 1:38 pm

Tgt Ion:105 Resp: 14888

Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.0	63.0

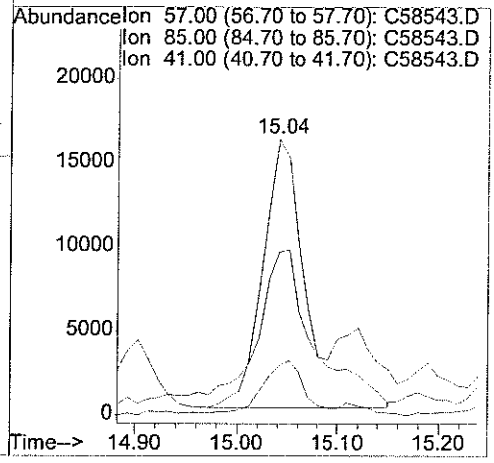


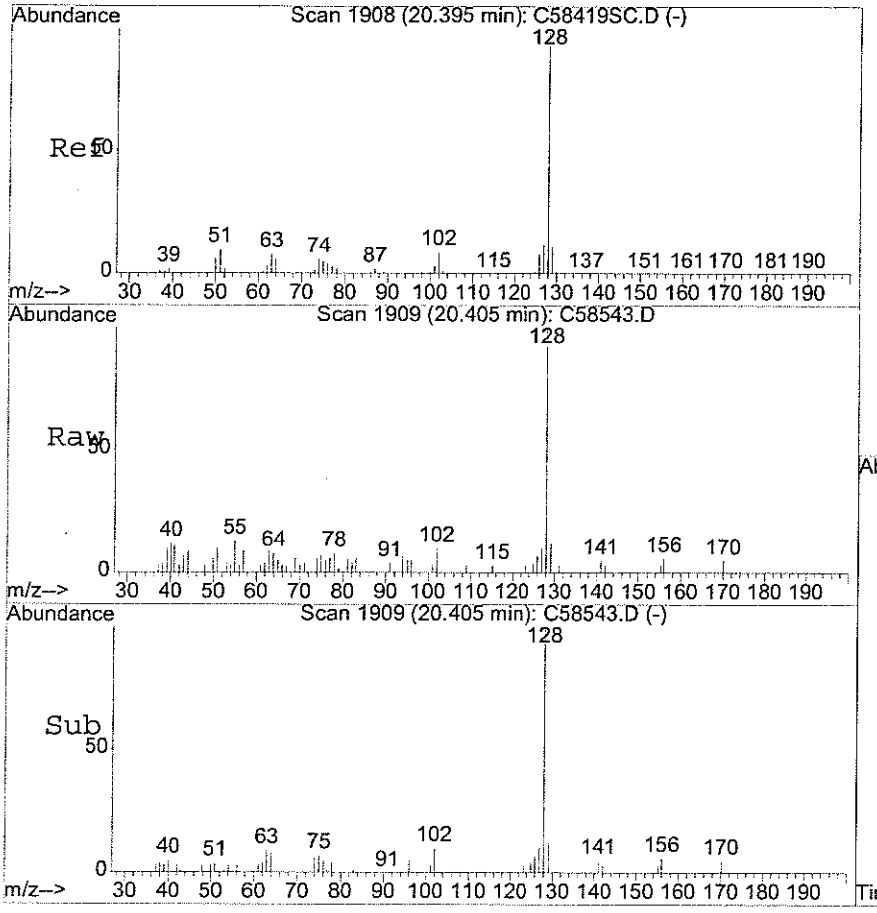


#83
Diisobutylketone
Concen: 3.23 ug/L
RT: 15.04 min Scan# 1365
Delta R.T. -0.07 min
Lab File: C58543.D
Acq: 25 Apr 2006 1:38 pm

Tgt Ion: 57 Resp: 49801

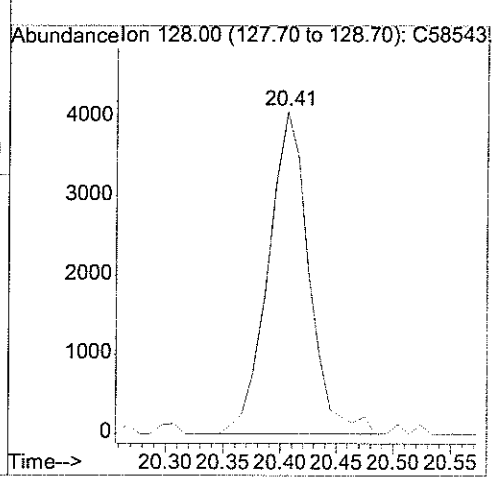
Ion	Ratio	Lower	Upper
57	100		
85	17.5	50.0	75.0#
41	64.4	33.4	50.0#





#96
Naphthalene
Concen: 0.55 ug/L
RT: 20.41 min Scan# 1909
Delta R.T. 0.01 min
Lab File: C58543.D
Acq: 25 Apr 2006 1:38 pm

Tgt Ion:128 Resp: 10294



analytics environmental laboratory LLC

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

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

April 25, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number:

Field Sample ID: NSB-NLON-SITE7-CS-SL-EXS-SWS-12

SAMPLE DATA

Lab Sample ID: 56323-9
Matrix: Solid
Percent Solid: 91
Dilution Factor: 60
Collection Date: 04/21/06
Lab Receipt Date: 04/21/06
Analysis Date: 04/24/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	20	U	1,3-Dichloropropane	60	U
Bromobenzene	60	U	cis-1,3-Dichloropropene	60	U
Bromochloromethane	60	U	trans-1,3-Dichloropropene	60	U
Bromodichloromethane	45	U	2,2-Dichloropropane	60	U
Bromoform	45	U	1,1-Dichloropropene	60	U
Bromomethane	60	U	Ethylbenzene	60	U
n-butylbenzene	60	U	Hexachlorobutadiene	60	U
sec-butylbenzene	60	U	Isopropylbenzene	60	U
tert-butylbenzene	60	U	p-isopropyltoluene	60	U
Carbon Tetrachloride	60	U	Methylene Chloride	301	U
Chlorobenzene	60	U	Methyl-tert-butyl ether (MTBE)	60	U
Chloroethane	60	U	Naphthalene	60	U
Chloroform	45	U	n-Propylbenzene	60	U
Chloromethane	60	U	Styrene	60	U
2-Chlorotoluene	60	U	1,1,1,2-Tetrachloroethane	60	U
4-Chlorotoluene	60	U	1,1,2,2-Tetrachloroethane	45	U
Dibromochloromethane	45	U	Tetrachloroethene	60	U
1,2-Dibromo-3-chloropropane	60	U	Toluene	60	U
1,2-Dibromoethane	45	U	1,2,3-Trichlorobenzene	60	U
Dibromomethane	60	U	1,2,4-Trichlorobenzene	60	U
1,2-Dichlorobenzene	60	U	1,1,1-Trichloroethane	60	U
1,3-Dichlorobenzene	60	U	1,1,2-Trichloroethane	45	U
1,4-Dichlorobenzene	60	U	Trichloroethene	60	U
Dichlorodifluoromethane	60	U	Trichlorofluoromethane	60	U
1,1-Dichloroethane	60	U	1,2,3-Trichloropropane	60	U
1,2-Dichloroethane	45	U	1,2,4-Trimethylbenzene	60	U
1,1-Dichloroethene	45	U	1,3,5-Trimethylbenzene	60	U
cis-1,2-Dichloroethene	60	U	Vinyl Chloride	60	U
trans-1,2-Dichloroethene	60	U	o-Xylene	60	U
1,2-Dichloropropane	45	U	m,p-Xylene	60	U
Acetone	602	U	Diethyl ether	60	U
Carbon Disulfide	60	U	2-Hexanone	602	U
Tetrahydrofuran	301	U	Methyl isobutyl ketone	602	U
Methyl ethyl ketone	602	U	Di-isopropyl ether (DIPE)	60	U
t-Butyl alcohol (TBA)	1200	U	Ethyl t-butyl ether (ETBE)	60	U
t-Amyl methyl ether (TAME)	60	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	89 %	d8-Toluene	93 %	Bromofluorobenzene	93 %

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

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

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

8260 full

Authorized signature

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042406C\C58507.D Vial: 11
Acq On : 24 Apr 2006 6:40 pm Operator:
Sample : 56323-9 Inst : Instr_C
Misc : 75,6.08,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 24 18:50 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/25/06

$DF = \frac{(5000)(5)}{(75ml)(6.08_s)(.9101)} = 60.2$

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.00	168	237796	20.00	ug/L	-0.01
39) 1,4-Difluorobenzene	8.48	114	388217	20.00	ug/L	-0.01
63) *d5-Chlorobenzene	13.02	117	344285 ✓	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.74	152	170468	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.87	65	167598	17.73	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	88.65% ✓		
36) d4-1,2-Dichloroethane	7.87	65	167598	17.73	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	88.65% ✓		
54) d8-Toluene	10.74	98	403128	18.56	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	92.80% ✓		
73) Bromofluorobenzene	14.89	95	162771	18.61	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	93.05% ✓		
Target Compounds						Qvalue
43) Methyl acetate	4.22	43	3112	0.53	ug/L #	94
67) m,p-Xylene	13.30	106	6904 (m)	0.69	ug/L	85
96) Naphthalene	20.39	128	14838 (m)	0.81	ug/L	100

Benzenes C20

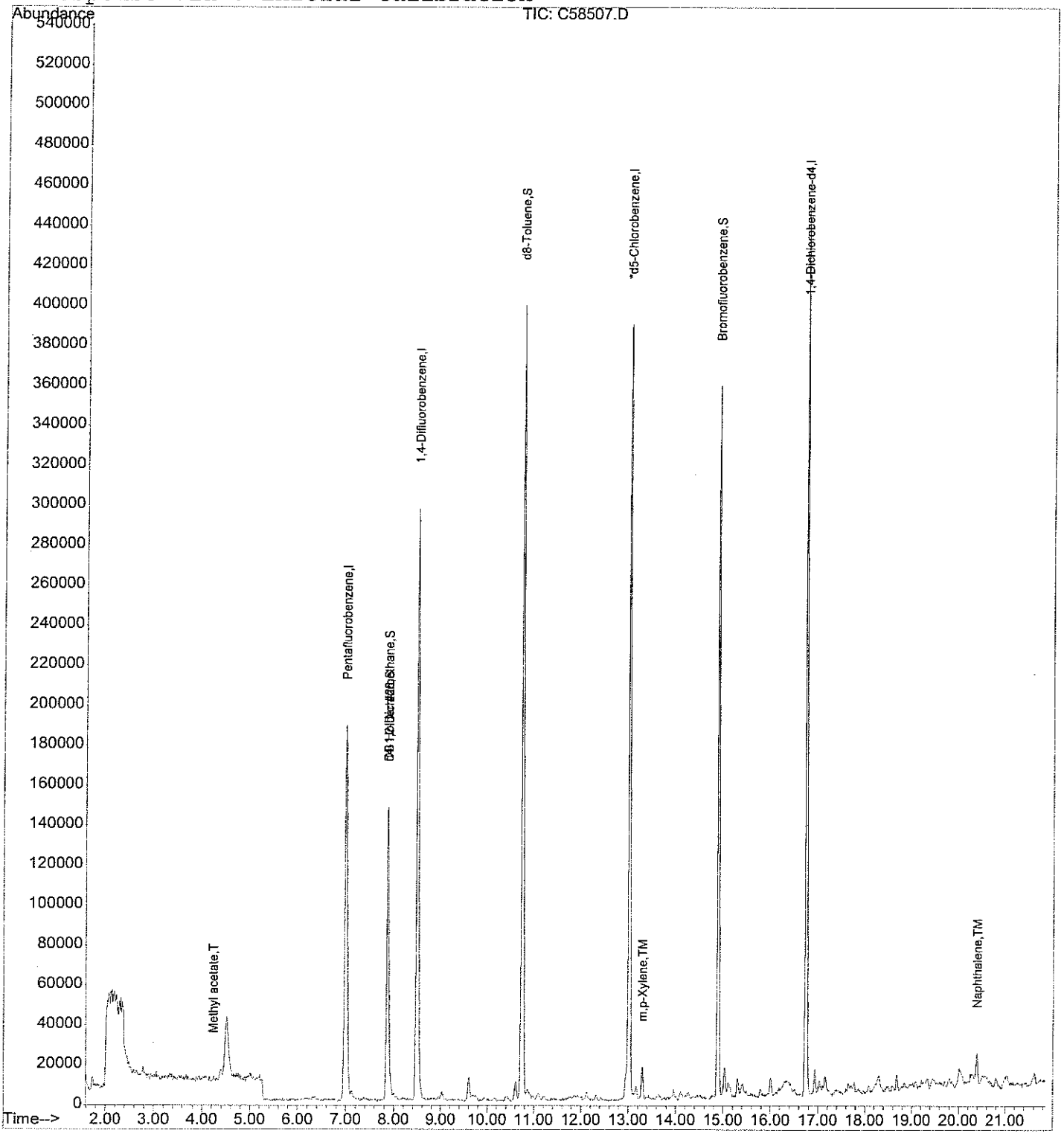
V4 25 06

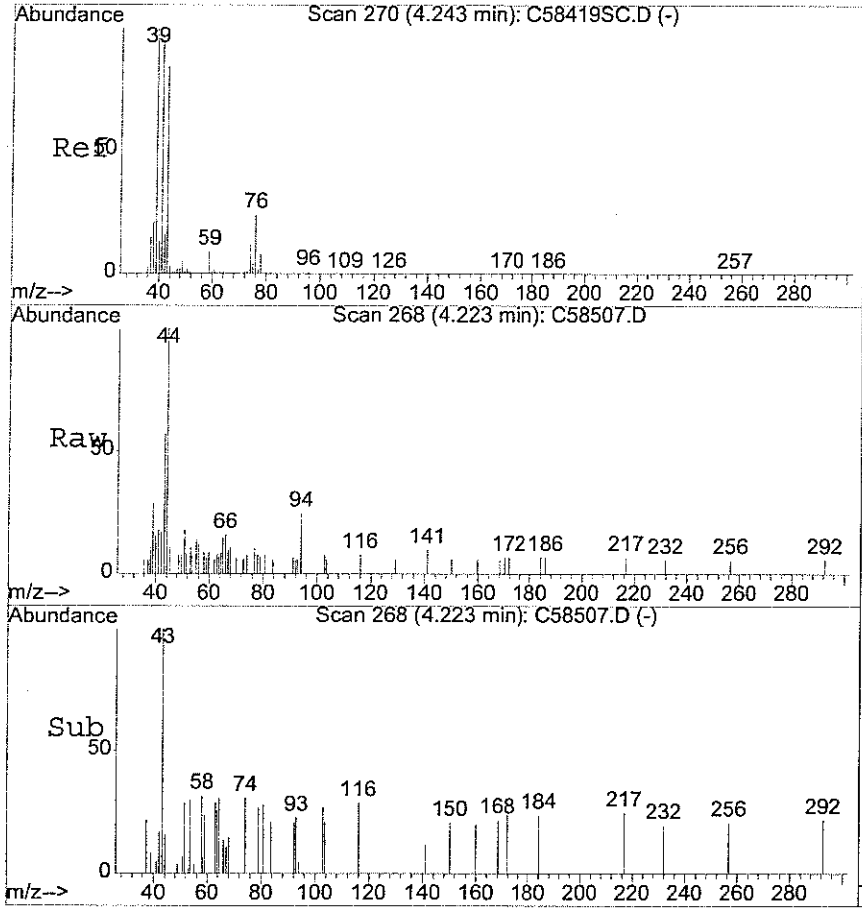
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042406C\C58507.D Vial: 11
Acq On : 24 Apr 2006 6:40 pm Operator:
Sample : 56323-9 Inst : Instr_C
Misc : 75,6.08,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 24 18:50 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration

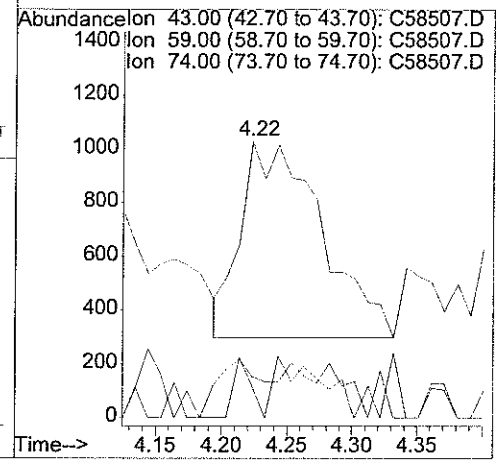


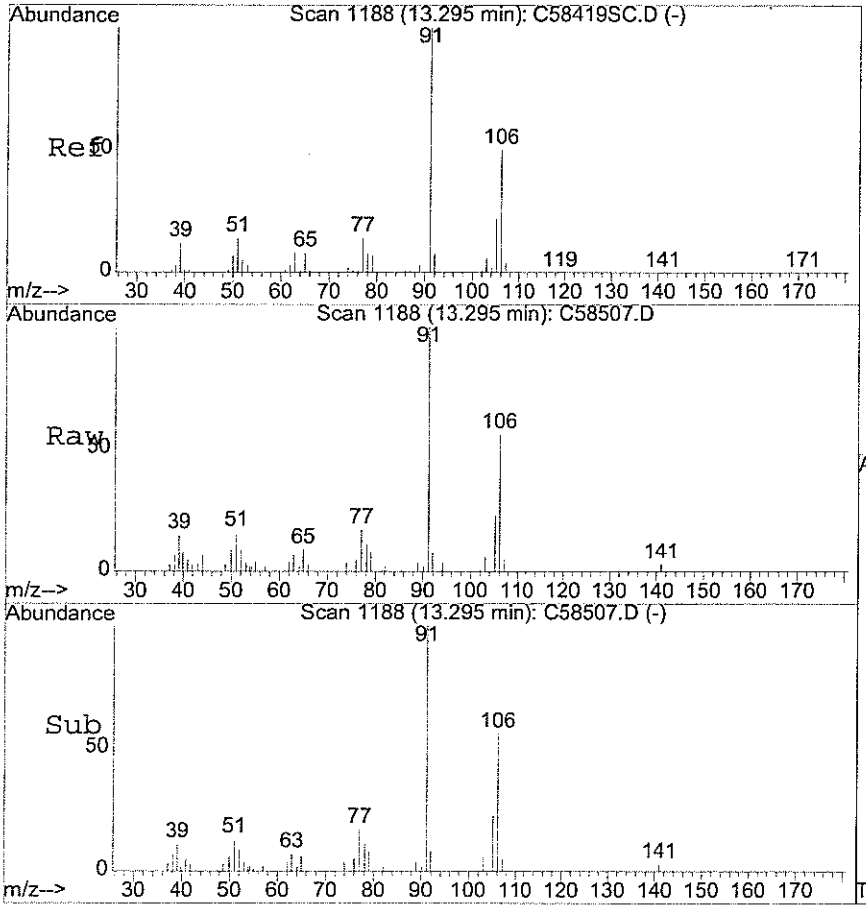


#43
Methyl acetate
Concen: 0.53 ug/L
RT: 4.22 min Scan# 268
Delta R.T. -0.02 min
Lab File: C58507.D
Acq: 24 Apr 2006 6:40 pm

Tgt Ion: 43 Resp: 3112

Ion	Ratio	Lower	Upper
43	100		
59	6.5	7.9	11.9#
74	17.9	12.8	19.2

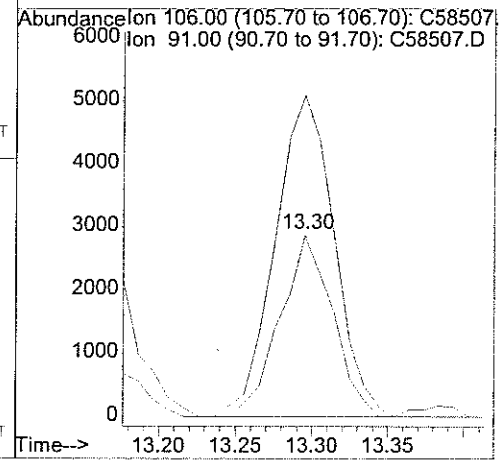


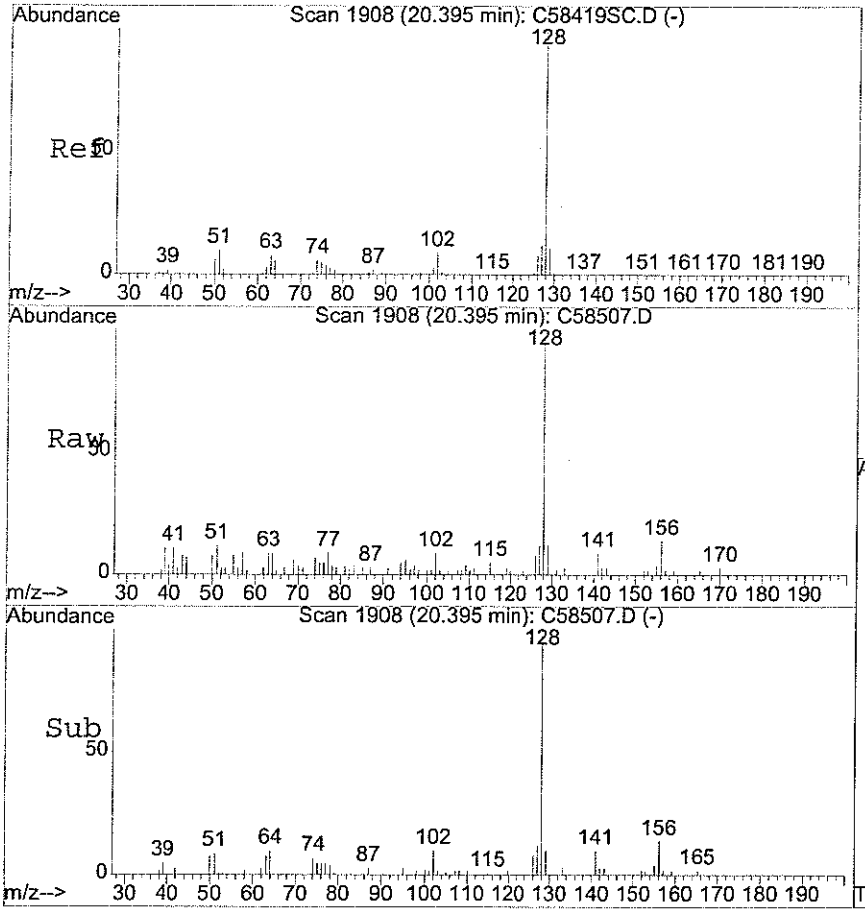


#67
m,p-Xylene
Concen: 0.69 ug/L
RT: 13.30 min Scan# 1188
Delta R.T. -0.00 min
Lab File: C58507.D
Acq: 24 Apr 2006 6:40 pm

Tgt Ion:106 Resp: 6904

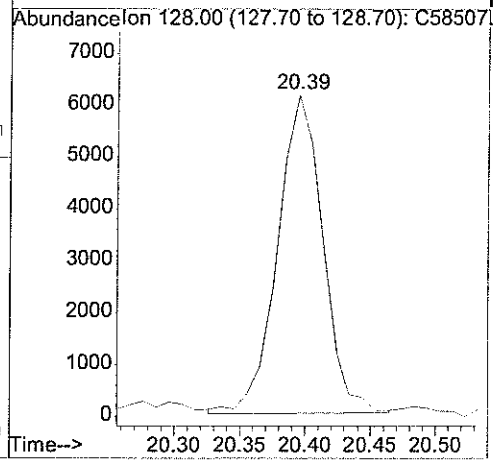
Ion	Ratio	Lower	Upper
106	100		
91	177.1	159.9	239.9





#96
Naphthalene
Concen: 0.81 ug/L
RT: 20.39 min Scan# 1908
Delta R.T. -0.00 min
Lab File: C58507.D
Acq: 24 Apr 2006 6:40 pm

Tgt Ion:128 Resp: 14838



analytics environmental laboratory LLC

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603-436-5111 Fax 603-430-2151
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Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

April 25, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number:

Field Sample ID: NSB-NLON-SITE7-CS-SL-EXS-SWS-13

SAMPLE DATA

Lab Sample ID: 56323-10
Matrix: Solid
Percent Solid: 89
Dilution Factor: 76
Collection Date: 04/21/06
Lab Receipt Date: 04/21/06
Analysis Date: 04/24/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	20	U	1,3-Dichloropropane	76	U
Bromobenzene	76	U	cis-1,3-Dichloropropene	76	U
Bromochloromethane	76	U	trans-1,3-Dichloropropene	76	U
Bromodichloromethane	57	U	2,2-Dichloropropane	76	U
Bromoform	57	U	1,1-Dichloropropene	76	U
Bromomethane	76	U	Ethylbenzene	76	U
n-butylbenzene	76	U	Hexachlorobutadiene	76	U
sec-butylbenzene	76	U	Isopropylbenzene	76	U
tert-butylbenzene	76	U	p-isopropyltoluene	76	U
Carbon Tetrachloride	76	U	Methylene Chloride	378	U
Chlorobenzene	76	U	Methyl-tert-butyl ether (MTBE)	76	U
Chloroethane	76	U	Naphthalene	76	U
Chloroform	57	U	n-Propylbenzene	76	U
Chloromethane	76	U	Styrene	76	U
2-Chlorotoluene	76	U	1,1,1,2-Tetrachloroethane	76	U
4-Chlorotoluene	76	U	1,1,2,2-Tetrachloroethane	57	U
Dibromochloromethane	57	U	Tetrachloroethene	76	U
1,2-Dibromo-3-chloropropane	76	U	Toluene	76	U
1,2-Dibromoethane	57	U	1,2,3-Trichlorobenzene	76	U
Dibromomethane	76	U	1,2,4-Trichlorobenzene	76	U
1,2-Dichlorobenzene	76	U	1,1,1-Trichloroethane	76	U
1,3-Dichlorobenzene	76	U	1,1,2-Trichloroethane	57	U
1,4-Dichlorobenzene	76	U	Trichloroethene	76	U
Dichlorodifluoromethane	76	U	Trichlorofluoromethane	76	U
1,1-Dichloroethane	76	U	1,2,3-Trichloropropane	76	U
1,2-Dichloroethane	57	U	1,2,4-Trimethylbenzene	76	U
1,1-Dichloroethene	57	U	1,3,5-Trimethylbenzene	76	U
cis-1,2-Dichloroethene	76	U	Vinyl Chloride	76	U
trans-1,2-Dichloroethene	76	U	o-Xylene	76	U
1,2-Dichloropropane	57	U	m,p-Xylene	76	U
Acetone	755	U	Diethyl ether	76	U
Carbon Disulfide	76	U	2-Hexanone	755	U
Tetrahydrofuran	378	U	Methyl isobutyl ketone	755	U
Methyl ethyl ketone	755	U	Di-isopropyl ether (DIPE)	76	U
t-Butyl alcohol (TBA)	1510	U	Ethyl t-butyl ether (ETBE)	76	U
t-Amyl methyl ether (TAME)	76	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	87 %	d8-Toluene	95 %	Bromofluorobenzene	97 %

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

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

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

8260 full

Authorized signature

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042406C\C58508.D Vial: 12
Acq On : 24 Apr 2006 7:16 pm Operator:
Sample : 56323-10 Inst : Instr_C
Misc : 75,4.97,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 24 19:19 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/25/06
DF = (5000)(5) / (5ml)(4.97g)(.8880) = 75.5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.99	168	248183	20.00	ug/L	-0.03
39) 1,4-Difluorobenzene	8.49	114	398064	20.00	ug/L	0.00
63) *d5-Chlorobenzene	13.01	117	354489 ✓	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.74	152	184295	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.87	65	171110	17.35	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 86.75% ✓			
36) d4-1,2-Dichloroethane	7.87	65	171110	17.35	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 86.75% ✓			
54) d8-Toluene	10.74	98	424621	19.06	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 95.30% ✓			
73) Bromofluorobenzene	14.89	95	175254	19.46	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 97.30% ✓			

Target Compounds Qvalue

ND

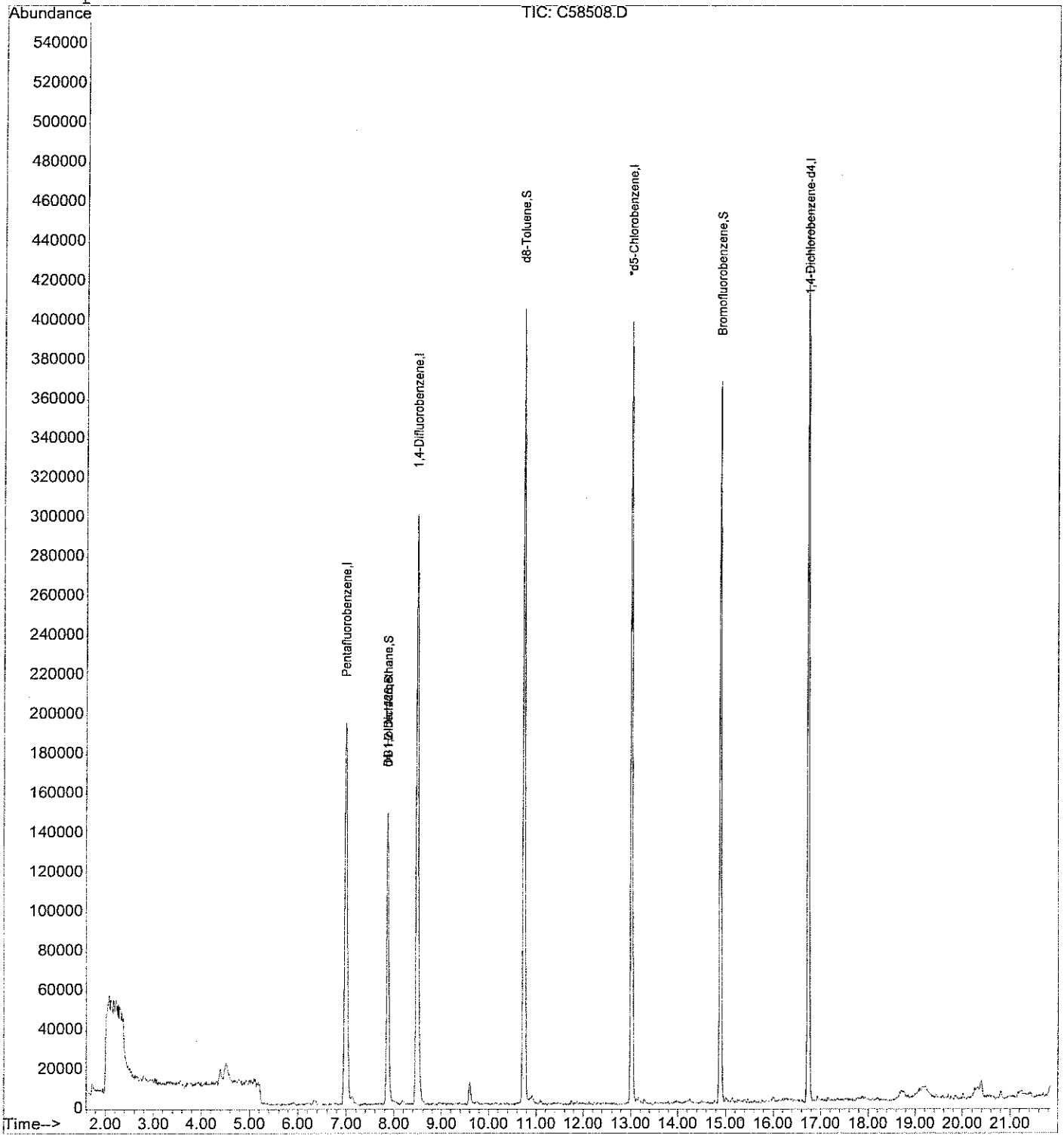
Benzene NDC 20

(#) = qualifier out of range (m) = manual integration
C58508.D V804176C.M Mon Apr 24 19:19:01 2006 Page 1

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042406C\C58508.D Vial: 12
Acq On : 24 Apr 2006 7:16 pm Operator:
Sample : 56323-10 Inst : Instr_C
Misc : 75,4.97,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 24 19:19 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration



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Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

April 25, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number:

Field Sample ID: NSB-NLON-SITE7-CS-SL-EXS-SWW-14

SAMPLE DATA

Lab Sample ID: 56323-11
Matrix: Solid
Percent Solid: 89
Dilution Factor: 58
Collection Date: 04/21/06
Lab Receipt Date: 04/21/06
Analysis Date: 04/24/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	20	U	1,3-Dichloropropane	58	U
Bromobenzene	58	U	cis-1,3-Dichloropropene	58	U
Bromochloromethane	58	U	trans-1,3-Dichloropropene	58	U
Bromodichloromethane	43	U	2,2-Dichloropropane	58	U
Bromoform	43	U	1,1-Dichloropropene	58	U
Bromomethane	58	U	Ethylbenzene	58	U
n-butylbenzene	58	U	Hexachlorobutadiene	58	U
sec-butylbenzene	58	U	Isopropylbenzene	58	U
tert-butylbenzene	58	U	p-isopropyltoluene	58	U
Carbon Tetrachloride	58	U	Methylene Chloride	290	U
Chlorobenzene	58	U	Methyl-tert-butyl ether (MTBE)	58	U
Chloroethane	58	U	Naphthalene	58	U
Chloroform	43	U	n-Propylbenzene	58	U
Chloromethane	58	U	Styrene	58	U
2-Chlorotoluene	58	U	1,1,1,2-Tetrachloroethane	58	U
4-Chlorotoluene	58	U	1,1,2,2-Tetrachloroethane	43	U
Dibromochloromethane	43	U	Tetrachloroethene	58	U
1,2-Dibromo-3-chloropropane	58	U	Toluene	58	U
1,2-Dibromoethane	43	U	1,2,3-Trichlorobenzene	58	U
Dibromomethane	58	U	1,2,4-Trichlorobenzene	58	U
1,2-Dichlorobenzene	58	U	1,1,1-Trichloroethane	58	U
1,3-Dichlorobenzene	58	U	1,1,2-Trichloroethane	43	U
1,4-Dichlorobenzene	58	U	Trichloroethene	58	U
Dichlorodifluoromethane	58	U	Trichlorofluoromethane	58	U
1,1-Dichloroethane	58	U	1,2,3-Trichloropropane	58	U
1,2-Dichloroethane	43	U	1,2,4-Trimethylbenzene	58	U
1,1-Dichloroethene	43	U	1,3,5-Trimethylbenzene	58	U
cis-1,2-Dichloroethene	58	U	Vinyl Chloride	58	U
trans-1,2-Dichloroethene	58	U	o-Xylene	58	U
1,2-Dichloropropane	43	U	m,p-Xylene	58	U
Acetone	579	U	Diethyl ether	58	U
Carbon Disulfide	58	U	2-Hexanone	579	U
Tetrahydrofuran	290	U	Methyl isobutyl ketone	579	U
Methyl ethyl ketone	579	U	Di-isopropyl ether (DIPE)	58	U
t-Butyl alcohol (TBA)	1160	U	Ethyl t-butyl ether (ETBE)	58	U
t-Amyl methyl ether (TAME)	58	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	86 %	d8-Toluene	92 %	Bromofluorobenzene	90 %

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

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

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

8260 full

Authorized signature

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042406C\C58509.D Vial: 13
Acq On : 24 Apr 2006 7:49 pm Operator:
Sample : 56323-11 Inst : Instr_C
Misc : 75,6.44,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 24 19:47 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/25/06

DF = (5000)(5) / (75ml)(6.44g)(.8936) = 57.9

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.99	168	247981	20.00	ug/L	-0.02
39) 1,4-Difluorobenzene	8.48	114	399416	20.00	ug/L	-0.01
63) *d5-Chlorobenzene	13.02	117	371177	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.74	152	192509	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.87	65	170192	17.27	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	86.35%		
36) d4-1,2-Dichloroethane	7.87	65	170192	17.27	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	86.35%		
54) d8-Toluene	10.74	98	409712	18.33	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	91.65%		
73) Bromofluorobenzene	14.89	95	169093	17.93	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	89.65%		
Target Compounds						Qvalue
43) Methyl acetate	4.24	43	3061	0.51	ug/L #	88

MD

Benzene NDE20

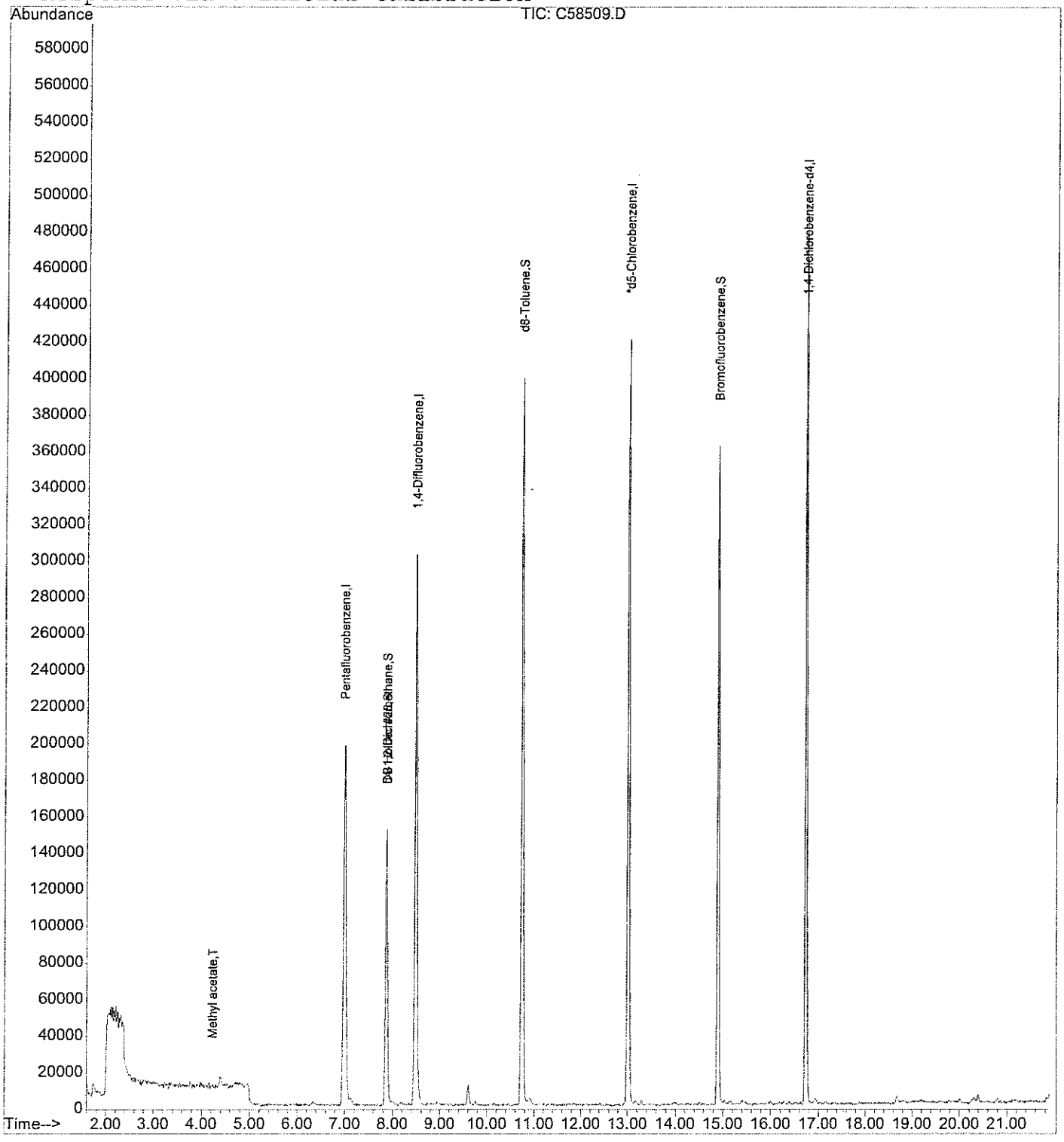
V042526

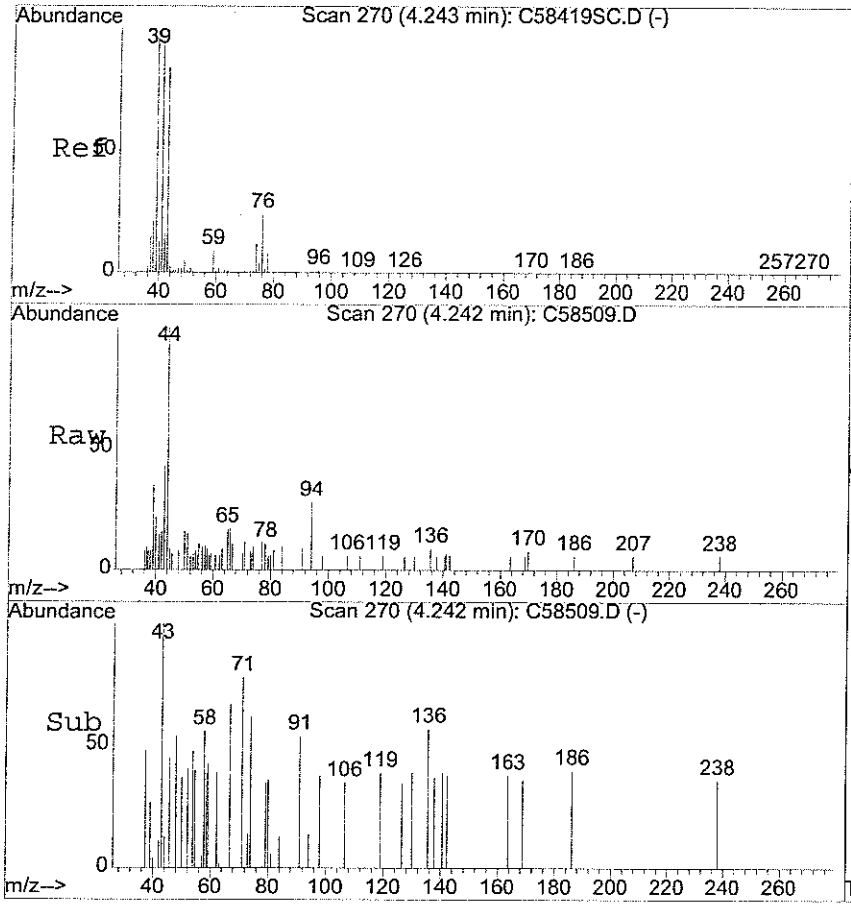
(#) = qualifier out of range (m) = manual integration
C58509.D V804176C.M Mon Apr 24 19:47:38 2006 Page 1
61/393

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042406C\C58509.D Vial: 13
Acq On : 24 Apr 2006 7:49 pm Operator:
Sample : 56323-11 Inst : Instr_C
Misc : 75,6.44,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 24 19:47 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration

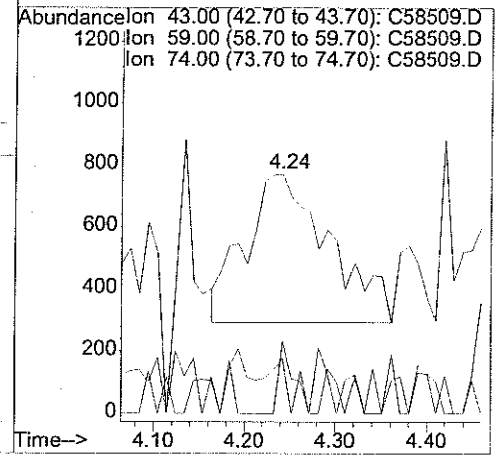




#43
Methyl acetate
Concen: 0.51 ug/L
RT: 4.24 min Scan# 270
Delta R.T. -0.00 min
Lab File: C58509.D
Acq: 24 Apr 2006 7:49 pm

Tgt Ion: 43 Resp: 3061

Ion	Ratio	Lower	Upper
43	100		
59	8.7	7.9	11.9
74	8.4	12.8	19.2#



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April 25, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number:

Field Sample ID: NSB-NLON-SITE7-CS-SL-EXS-SWW-14

SAMPLE DATA

Lab Sample ID: 56323-12
Matrix: Solid
Percent Solid: 95
Dilution Factor: 57
Collection Date: 04/21/06
Lab Receipt Date: 04/21/06
Analysis Date: 04/24/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	20	U	1,3-Dichloropropane	57	U
Bromobenzene	57	U	cis-1,3-Dichloropropene	57	U
Bromochloromethane	57	U	trans-1,3-Dichloropropene	57	U
Bromodichloromethane	43	U	2,2-Dichloropropane	57	U
Bromoform	43	U	1,1-Dichloropropene	57	U
Bromomethane	57	U	Ethylbenzene	57	U
n-butylbenzene	57	U	Hexachlorobutadiene	57	U
sec-butylbenzene	57	U	Isopropylbenzene	57	U
tert-butylbenzene	57	U	p-isopropyltoluene	57	U
Carbon Tetrachloride	57	U	Methylene Chloride	285	U
Chlorobenzene	57	U	Methyl-tert-butyl ether (MTBE)	57	U
Chloroethane	57	U	Naphthalene	57	U
Chloroform	43	U	n-Propylbenzene	57	U
Chloromethane	57	U	Styrene	57	U
2-Chlorotoluene	57	U	1,1,1,2-Tetrachloroethane	57	U
4-Chlorotoluene	57	U	1,1,2,2-Tetrachloroethane	43	U
Dibromochloromethane	43	U	Tetrachloroethene	57	U
1,2-Dibromo-3-chloropropane	57	U	Toluene	57	U
1,2-Dibromoethane	43	U	1,2,3-Trichlorobenzene	57	U
Dibromomethane	57	U	1,2,4-Trichlorobenzene	57	U
1,2-Dichlorobenzene	57	U	1,1,1-Trichloroethane	57	U
1,3-Dichlorobenzene	57	U	1,1,2-Trichloroethane	43	U
1,4-Dichlorobenzene	57	U	Trichloroethene	57	U
Dichlorodifluoromethane	57	U	Trichlorofluoromethane	57	U
1,1-Dichloroethane	57	U	1,2,3-Trichloropropane	57	U
1,2-Dichloroethane	43	U	1,2,4-Trimethylbenzene	57	U
1,1-Dichloroethene	43	U	1,3,5-Trimethylbenzene	57	U
cis-1,2-Dichloroethene	57	U	Vinyl Chloride	57	U
trans-1,2-Dichloroethene	57	U	o-Xylene	57	U
1,2-Dichloropropane	43	U	m,p-Xylene	57	U
Acetone	569	U	Diethyl ether	57	U
Carbon Disulfide	57	U	2-Hexanone	569	U
Tetrahydrofuran	285	U	Methyl isobutyl ketone	569	U
Methyl ethyl ketone	569	U	Di-isopropyl ether (DIPE)	57	U
t-Butyl alcohol (TBA)	1140	U	Ethyl t-butyl ether (ETBE)	57	U
t-Amyl methyl ether (TAME)	57	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	87 %	d8-Toluene	92 %	Bromofluorobenzene	93 %

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

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

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

8260 full

Authorized signature

Quantitation Report (Not Reviewed)

Q

Data File : D:\HPCHEM\1\DATA\042406C\C58510.D Vial: 14
Acq On : 24 Apr 2006 8:22 pm Operator:
Sample : 56323-12 Inst : Instr_C
Misc : 75,6.18,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 24 20:16 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/25/06

$DF = \frac{(5000)(5)}{(5ml)(6.18_5)(.9479)} = 56.9$

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.99	168	256913	20.00	ug/L	-0.02
39) 1,4-Difluorobenzene	8.48	114	413105 ✓	20.00	ug/L	-0.01
63) *d5-Chlorobenzene	13.02	117	375623 ✓	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.74	152	195629	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.86	65	176779	17.31	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 86.55% ✓			
36) d4-1,2-Dichloroethane	7.86	65	176779	17.31	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 86.55% ✓			
54) d8-Toluene	10.74	98	427246	18.48	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 92.40% ✓			
73) Bromofluorobenzene	14.89	95	177491	18.60	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 93.00% ✓			

Target Compounds Qvalue

ND

Benzene ND @70

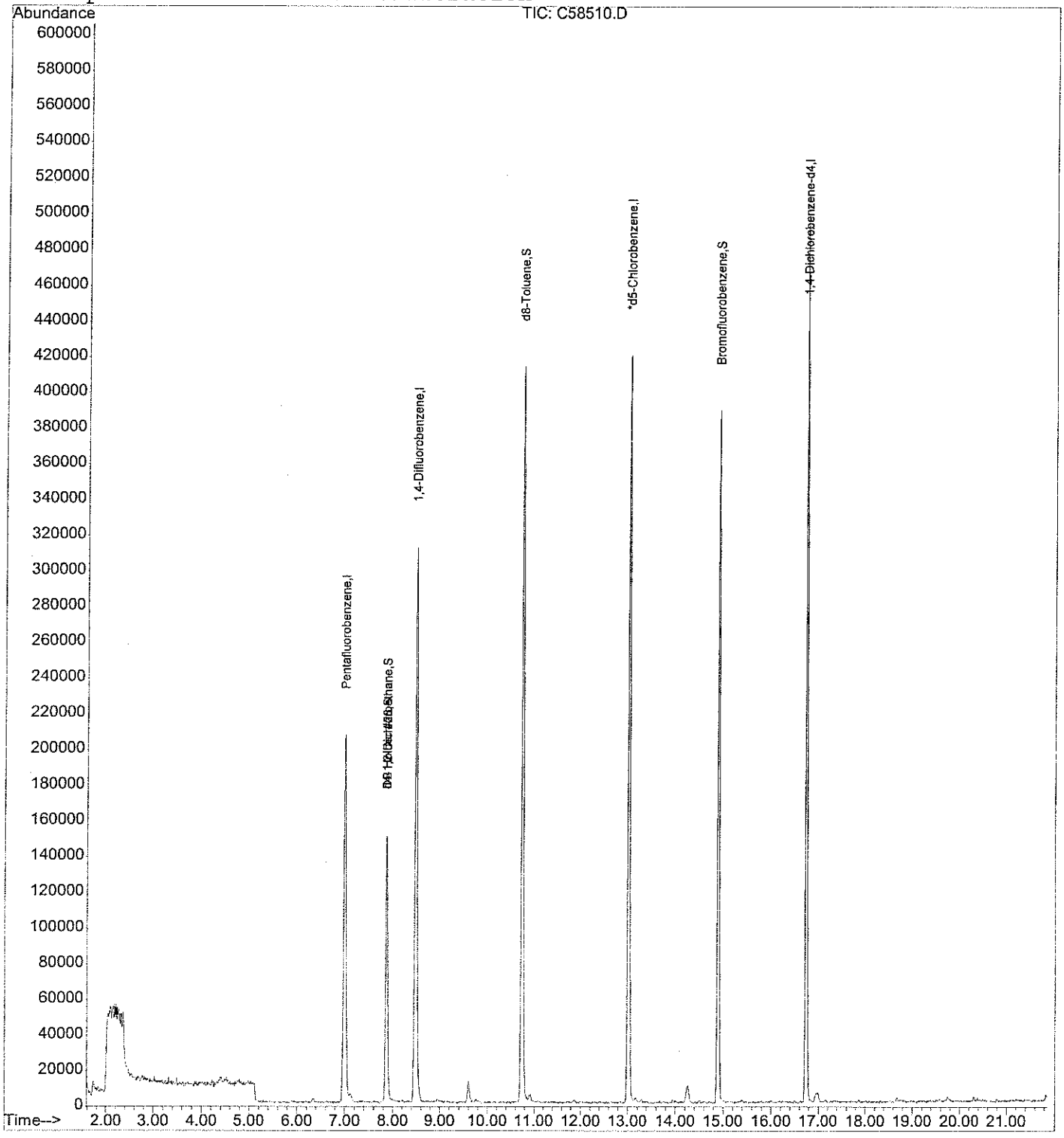
✓ 4/25/06

(#) = qualifier out of range (m) = manual integration
C58510.D V804176C.M Mon Apr 24 20:16:18 2006 Page 1

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042406C\C58510.D Vial: 14
Acq On : 24 Apr 2006 8:22 pm Operator:
Sample : 56323-12 Inst : Instr_C
Misc : 75,6.18,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 24 20:16 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration



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820 Town Center Drive, Suite 100
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June 20, 2006

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number:

Field Sample ID: Trip Blank (03/08/06)

Lab Sample ID: 56323-13
Matrix: Solid
Percent Solid: 100
Dilution Factor: 67
Collection Date: 04/21/06
Lab Receipt Date: 04/21/06
Analysis Date: 04/24/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	20	U	1,3-Dichloropropane	67	U
Bromobenzene	67	U	cis-1,3-Dichloropropene	67	U
Bromochloromethane	67	U	trans-1,3-Dichloropropene	67	U
Bromodichloromethane	50	U	2,2-Dichloropropane	67	U
Bromoform	50	U	1,1-Dichloropropene	67	U
Bromomethane	67	U	Ethylbenzene	67	U
n-butylbenzene	67	U	Hexachlorobutadiene	67	U
sec-butylbenzene	67	U	Isopropylbenzene	67	U
tert-butylbenzene	67	U	p-isopropyltoluene	67	U
Carbon Tetrachloride	67	U	Methylene Chloride	333	U
Chlorobenzene	67	U	Methyl-tert-butyl ether (MTBE)	67	U
Chloroethane	67	U	Naphthalene	67	U
Chloroform	50	U	n-Propylbenzene	67	U
Chloromethane	67	U	Styrene	67	U
2-Chlorotoluene	67	U	1,1,1,2-Tetrachloroethane	67	U
4-Chlorotoluene	67	U	1,1,2,2-Tetrachloroethane	50	U
Dibromochloromethane	50	U	Tetrachloroethene	67	U
1,2-Dibromo-3-chloropropane	67	U	Toluene	67	U
1,2-Dibromoethane	50	U	1,2,3-Trichlorobenzene	67	U
Dibromomethane	67	U	1,2,4-Trichlorobenzene	67	U
1,2-Dichlorobenzene	67	U	1,1,1-Trichloroethane	67	U
1,3-Dichlorobenzene	67	U	1,1,2-Trichloroethane	50	U
1,4-Dichlorobenzene	67	U	Trichloroethene	67	U
Dichlorodifluoromethane	67	U	Trichlorofluoromethane	67	U
1,1-Dichloroethane	67	U	1,2,3-Trichloropropane	67	U
1,2-Dichloroethane	50	U	1,2,4-Trimethylbenzene	67	U
1,1-Dichloroethene	50	U	1,3,5-Trimethylbenzene	67	U
cis-1,2-Dichloroethene	67	U	Vinyl Chloride	67	U
trans-1,2-Dichloroethene	67	U	o-Xylene	67	U
1,2-Dichloropropane	50	U	m,p-Xylene	67	U
Acetone	667	U	Diethyl ether	67	U
Carbon Disulfide	67	U	2-Hexanone	667	U
Tetrahydrofuran	333	U	Methyl isobutyl ketone	667	U
Methyl ethyl ketone	667	U	Di-isopropyl ether (DIPE)	67	U
t-Butyl alcohol (TBA)	1330	U	Ethyl t-butyl ether (ETBE)	67	U
t-Amyl methyl ether (TAME)	67	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	98	%	d8-Toluene	106	%	Bromofluorobenzene	107	%

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

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

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

8260 full

Authorized signature

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042406C\C58496.D Vial: 16
Acq On : 24 Apr 2006 1:26 pm Operator:
Sample : 56323-13 Inst : Instr_C
Misc : 75,5.00,SOIL,,TRIP BLANK Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 25 8:22 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/25/06

DF = (5000)(5) / (75.1)(5.00)(1.000) = 66.7

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.99	168	229284	20.00	ug/L	-0.03
39) 1,4-Difluorobenzene	8.48	114	360496	20.00	ug/L	-0.02
63) *d5-Chlorobenzene	13.01	117	336050 ✓	20.00	ug/L	-0.02
87) 1,4-Dichlorobenzene-d4	16.73	152	183009	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.87	65	178047	19.54	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 97.70% ✓			
36) d4-1,2-Dichloroethane	7.87	65	178047	19.54	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 97.70% ✓			
54) d8-Toluene	10.74	98	426310	21.13	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 105.65% ✓			
73) Bromofluorobenzene	14.89	95	182659	21.39	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 106.95% ✓			
Target Compounds						Qvalue
5) Bromomethane	2.42	94	3371m µg/L	0.82	ug/L	
40) Trichloroethene	8.94	95	3917 µg/L	0.62	ug/L	98

MD

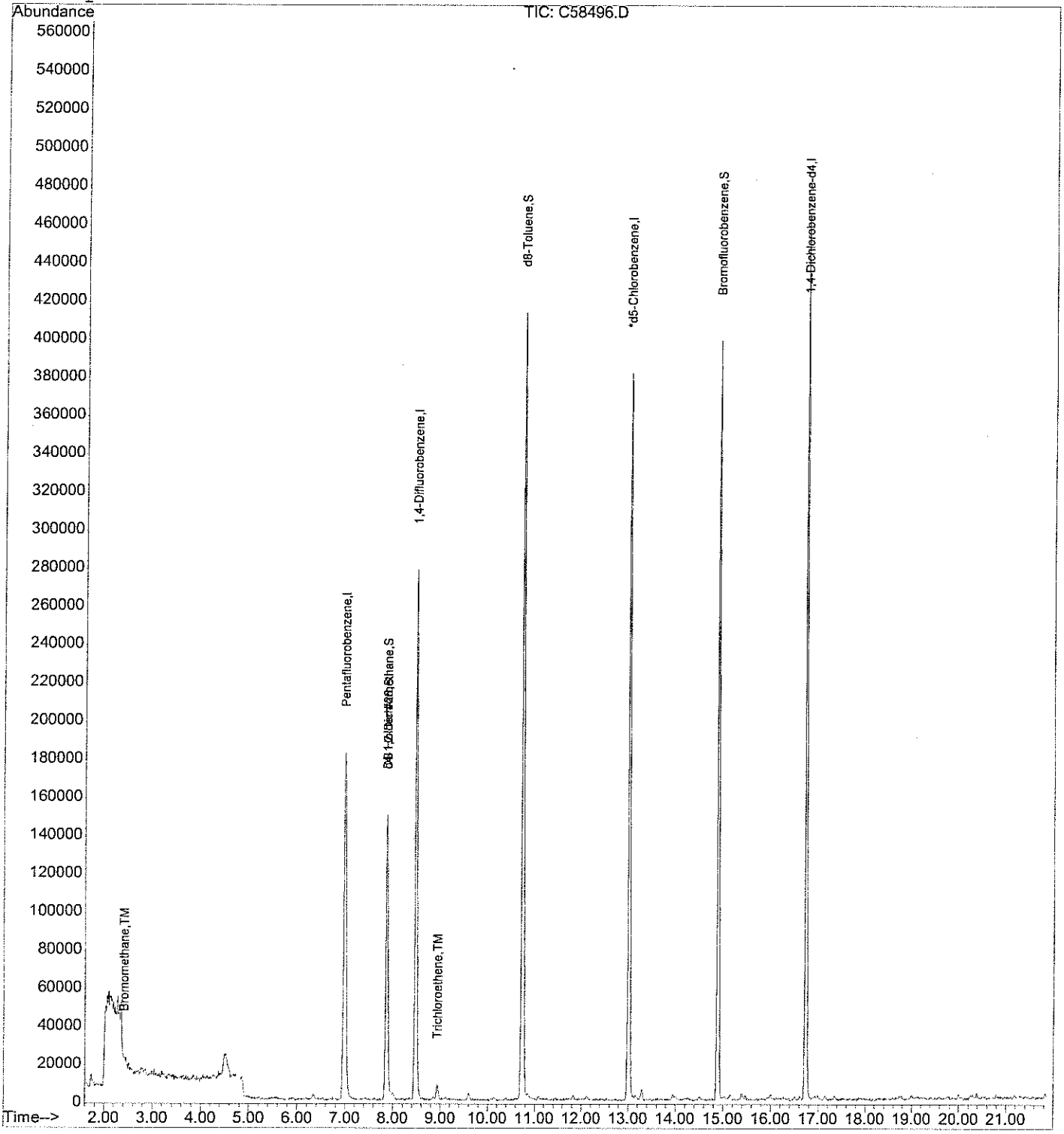
Benzene NDC20

(#) = qualifier out of range (m) = manual integration
C58496.D V804176C.M Tue Apr 25 08:22:40 2006 Page 1

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042406C\C58496.D Vial: 16
Acq On : 24 Apr 2006 1:26 pm Operator:
Sample : 56323-13 Inst : Instr_C
Misc : 75,5.00,SOIL,,TRIP BLANK Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 25 8:22 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration

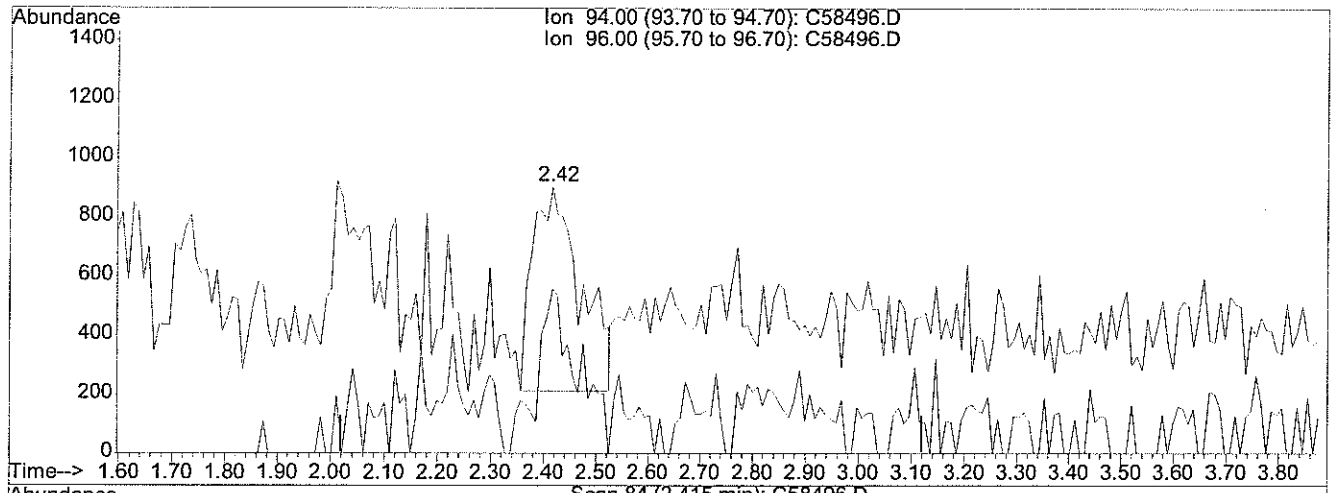


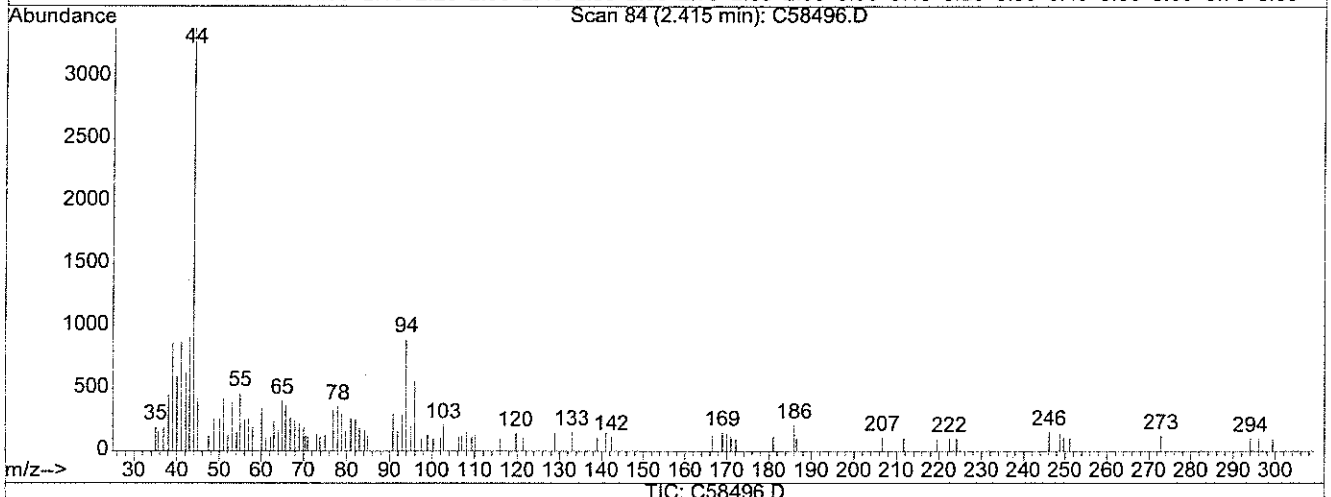
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042406C\C58496.D Vial: 16
Acq On : 24 Apr 2006 1:26 pm Operator:
Sample : 56323-13 Inst : Instr_C
Misc : 75,5.00,SOIL,,TRIP BLANK Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 24 13:31 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Multiple Level Calibration

MT 4/25/06
extra area





TIC: C58496.D

(5) Bromomethane (TM)

2.42min 1.06ug/L

response 4371

Ion	Exp%	Act%
94.00	100	100
96.00	96.40	80.99
0.00	0.00	0.00
0.00	0.00	0.00

4/25/06

Quantitation Report (Qedit)

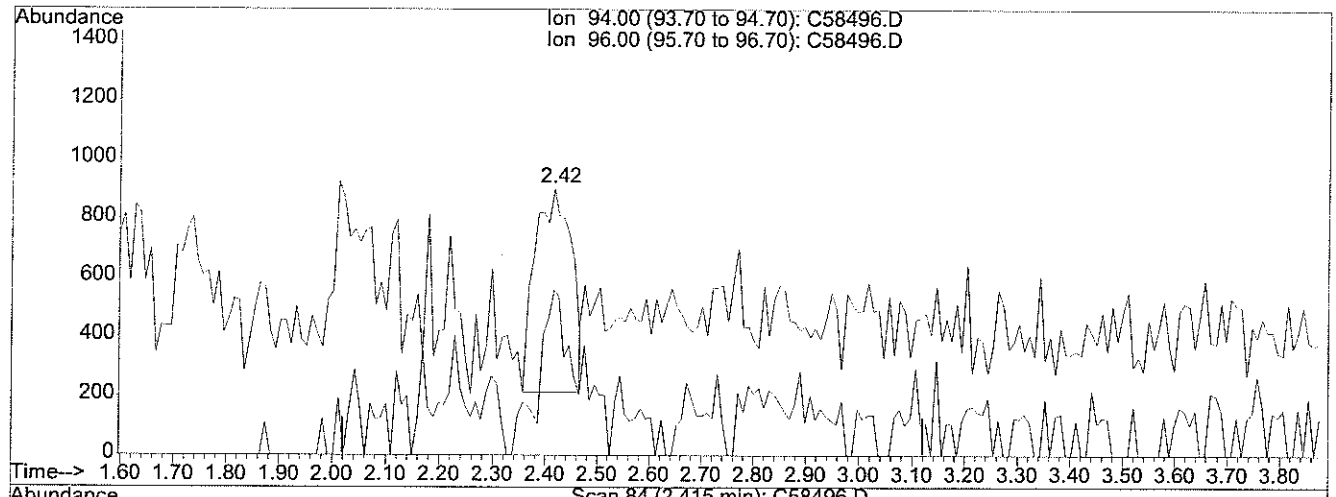
Data File : D:\HPCHEM\1\DATA\042406C\C58496.D
Acq On : 24 Apr 2006 1:26 pm
Sample : 56323-13
Misc : 75,5.00,SOIL,,TRIP BLANK
MS Integration Params: rteint.p
Quant Time: Apr 25 8:22 2006

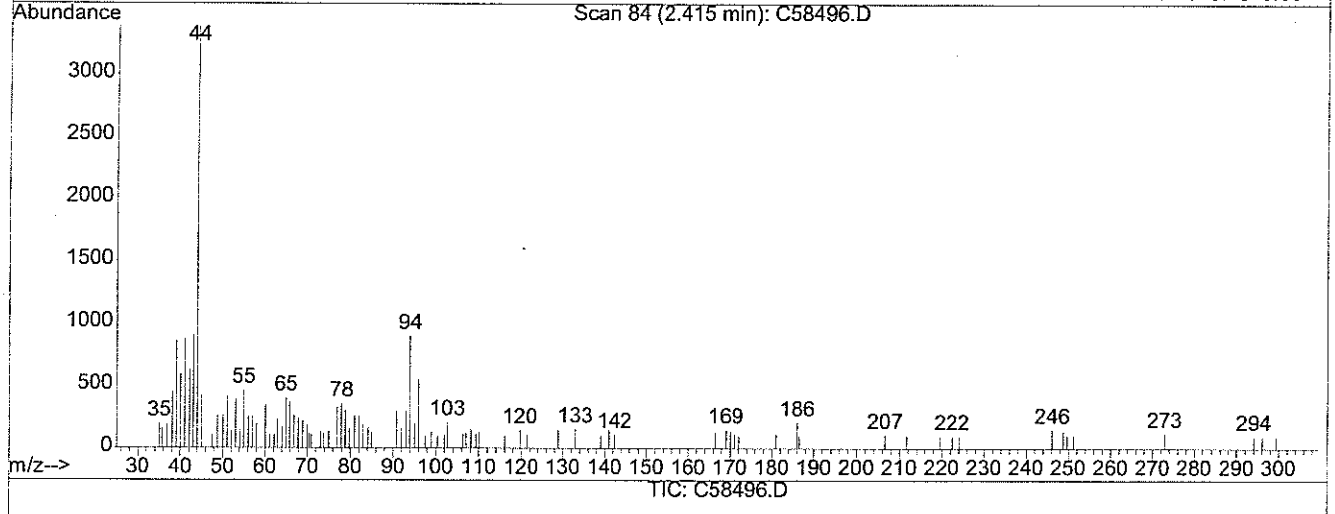
Vial: 16
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Multiple Level Calibration

MT 4/25/06





TIC: C58496.D

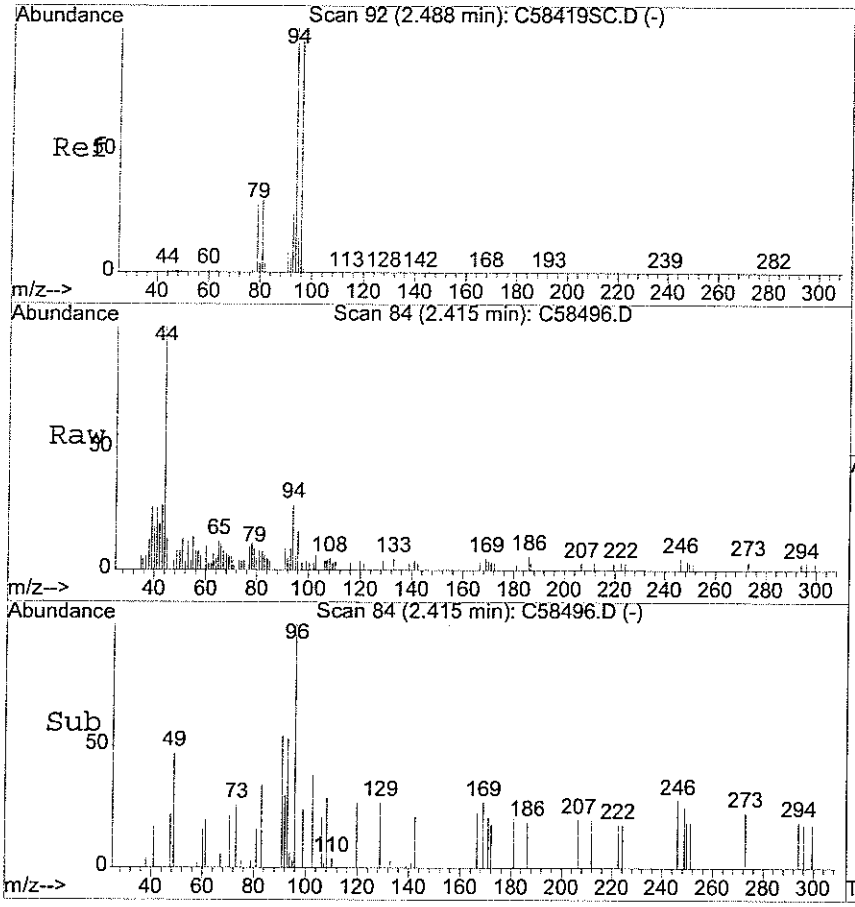
(5) Bromomethane (TM)

2.42min 0.82ug/L m

response 3371

Ion	Exp%	Act%
94.00	100	100
96.00	96.40	61.86#
0.00	0.00	0.00
0.00	0.00	0.00

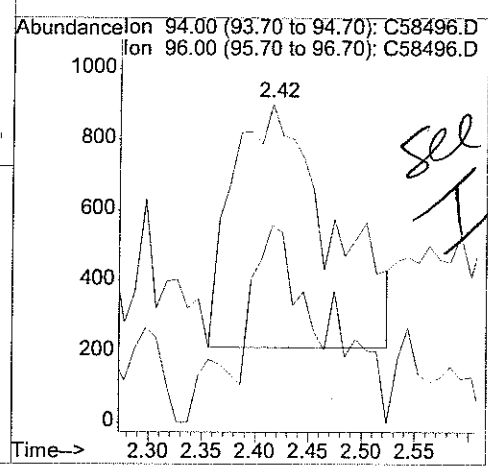
5347526



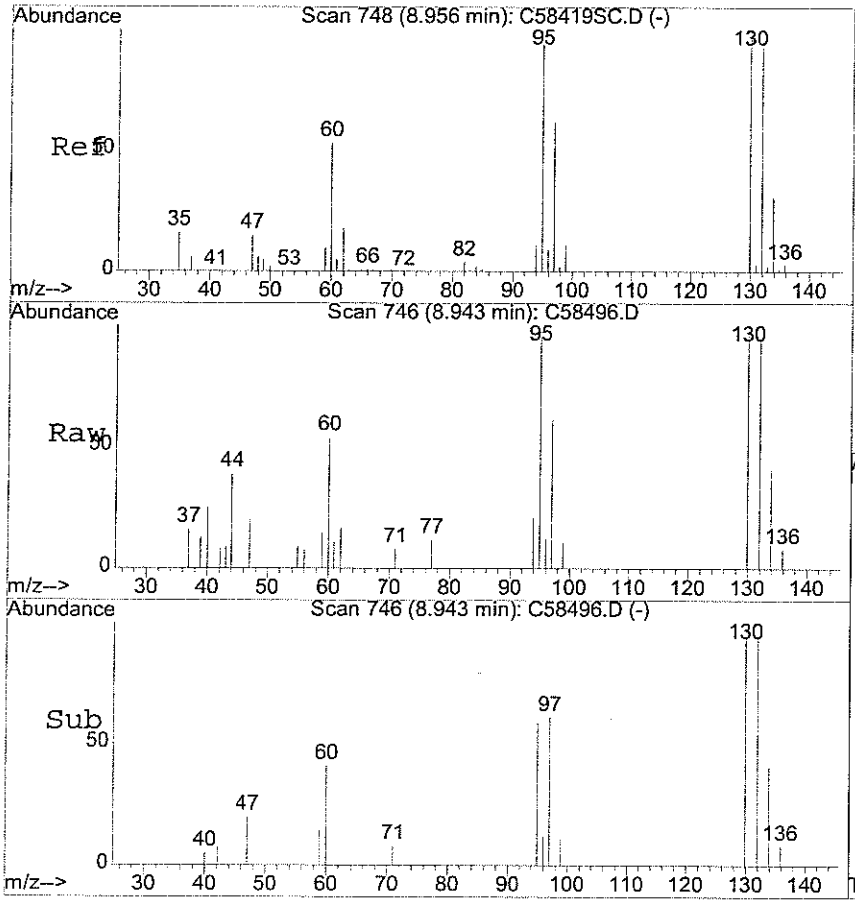
#5
Bromomethane 0.82 %L
Concen: ~~1.06 ug~~/L
RT: 2.42 min Scan# 84
Delta R.T. -0.06 min
Lab File: C58496.D
Acq: 24 Apr 2006 1:26 pm

Tgt Ion: 94 Resp: 4371

Ion	Ratio	Lower	Upper
94	100		
96	81.0	76.4	116.4



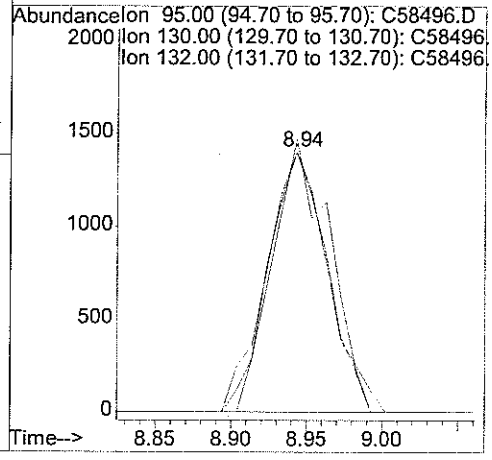
Man
see Int.



#40
Trichloroethene
Concen: 0.62 ug/L
RT: 8.94 min Scan# 746
Delta R.T. -0.02 min
Lab File: C58496.D
Acq: 24 Apr 2006 1:26 pm

Tgt Ion: 95 Resp: 3917

Ion	Ratio	Lower	Upper
95	100		
130	105.4	86.3	126.3
132	100.2	82.5	122.5



analytics environmental laboratory LLC

VOLATILE
QC FORMS

analytics environmental laboratory LLC

VOLATILE ORGANIC SOLID
SYSTEM MONITORING COMPOUNDS
SUMMARY

Project #: | Quote #: | SDG#: 56323

BFB File ID: C58352T.D | Site ID: Subbase Groton S | Location: CT

Instrument ID: C | BFB Injection Date: 4/17/06

GC Column: RTX-502.2 | ID: 0.25(mm) | BFB Injection Time: 1130

Heated Purge: (Y/N) N

	SAMPLE ID	SMC 1 #	SMC 2 #	SMC 3 #	OUT
01	0.2 PPB	NA	NA	NA	0
02	1 PPB	NA	NA	NA	0
03	ZZZZZ	NA	NA	NA	0
04	5 PPB	NA	NA	NA	0
05	20 PPB	86	94	87	0
06	50 PPB	NA	NA	NA	0
07	100 PPB	NA	NA	NA	0
08	ZZZZZ	NA	NA	NA	0
09	2 PPB	NA	NA	NA	0
10	ZZZZZ	90	96	99	0
11	ZZZZZ	93	96	97	0
12	ZZZZZ	94	98	95	0
13	ZZZZZ	92	95	95	0
14	ZZZZZ	94	99	97	0
15	ZZZZZ	91	98	97	0
16	ZZZZZ	92	99	94	0
17	ZZZZZ	93	95	97	0
18	ZZZZZ	93	99	96	0
19	ZZZZZ	93	98	95	0
20	ZZZZZ	97	96	94	0
21	ZZZZZ	92	93	94	0
22					
23					
24					
25					
25					
26					

	QC LIMITS
SMC1 = 1,2-Dichloroethane-d4	70-130%
SMC2 = Toluene-d8	70-130%
SMC3 = Bromofluorober	70-130%

\# Column to be used to flag recovery values

* Values outside of protocol required QC limits

D System Monitoring Compound diluted out

VOLATILE ORGANIC SOLID
SYSTEM MONITORING COMPOUNDS
SUMMARY

Project #: | Quote #: | SDG#: 56323

BFB File ID: C58490T.D | Site ID: Subbase Groton Site 7 | Location: CT

Instrument ID: C | BFB Injection Date: 4/24/06

GC Column: RTX-502.2 | ID: 0.25(mm) | BFB Injection Time: 1031

Heated Purge: (Y/N) N

	SAMPLE ID	SMC 1 #	SMC 2 #	SMC 3 #	OUT
01	20 PPB	91	98	96	0
02	LS04216C	90	92	93	0
03	LS04216C2	93	95	95	0
04	ZZZZZ	92	97	100	0
05	MB04216C	93	97	97	0
06	56323-13	98	106	107	0
07	56323-1	91	96	98	0
08	56323-2	63 *	52 *	96	3
09	56323-3	93	94	99	0
10	56323-4	88	92	93	0
11	56323-4,MS	89	92	89	0
12	56323-4,MSD	87	89	87	0
13	ZZZZZ	92	94	95	0
14	56323-6	93	95	95	0
15	56323-7	94	98	95	0
16	56323-8	178 *	184 *	181 *	3
17	56323-9	89	93	93	0
18	56323-10	87	95	97	0
19	56323-11	86	92	90	0
20	56323-12	87	92	93	0
21	ZZZZZ	67 *	67 *	67 *	3
22					
23					
24					
25					
26					

	QC LIMIT
SMC1 = 1,2-Dichloroethane-d4	70-130%
SMC2 = Toluene-d8	70-130%
SMC3 = Bromofluorobenzene	70-130%

Column to be used to flag recovery values

* Values outside of protocol required QC limits

D System Monitoring Compound diluted out

VOLATILE ORGANIC SOLID
SYSTEM MONITORING COMPOUNDS
SUMMARY

Project #:

Quote #:

SDG#: 56323

BFB File ID: C58537T.D

Site ID: Subbase Groton S

Location: CT

Instrument ID: C

BFB Injection Date: 4/25/06

GC Column: RTX-502.2

ID: 0.25(mm)

BFB Injection Time: 1044

Heated Purge: (Y/N) N

	SAMPLE ID	SMC 1 #	SMC 2 #	SMC 3 #	OUT
01	20 PPB	95	101	101	0
02	L804256C	96	100	98	0
03	ZZZZZ	93	99	95	0
04	B804256C	91	101	98	0
05	56323-5	87	94	93	0
06	56323-8, RR	173 *	183 *	183 *	3
07	ZZZZZ	91	97	93	0
08	ZZZZZ	63 *	52 *	96	2
09	ZZZZZ	90	97	93	0
10	ZZZZZ	92	96	97	0
11	ZZZZZ	91	97	96	0
12	ZZZZZ	86	94	92	0
13	ZZZZZ	97	94	95	0
14	ZZZZZ	97	97	92	0
15	ZZZZZ	94	98	95	0
16	ZZZZZ	88	94	94	0
17	ZZZZZ	89	95	94	0
18	ZZZZZ	93	96	95	0
19	ZZZZZ	91	98	94	0
20	ZZZZZ	87	93	94	0
21	ZZZZZ	91	96	95	0
22	ZZZZZ	92	99	95	0
23	ZZZZZ	91	99	95	0
24	ZZZZZ	90	98	94	0
25					
25					
26					

	QC LIMITS
SMC1 = 1,2-Dichloroethane-d4	70-130%
SMC2 = Toluene-d8	70-130%
SMC3 = Bromofluorober	70-130%

\# Column to be used to flag recovery values

* Values outside of protocol required QC limits

D System Monitoring Compound diluted out

VOLATILE ORGANIC

LABORATORY CONTROL SAMPLE/DUPLICATE

PERCENT RECOVERY

Project #:

Quote #:

SDG#: 56323

Site ID: Subbase Groton Site 7

Location: CT

Instrument ID: C

GC Column: RTX-502.2

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Laboratory Control Sample/Duplicate Sample ID: LS04216C/LS04216C2

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE AMT (ug/kg)	LCS CONC. (ug/kg)	LCS REC %	#	LCSD CONC. (ug/kg)	LCSD REC %	#	RPD	#	QC LIMITS RPD	QC LIMITS % REC.
Dichlorodifluoromethane	2000	U	1034	52		1131	57		9		25	49-82
Chloromethane	2000	U	1539	77		1742	87		12		25	75-125
Vinyl Chloride	2000	U	1389	69	*	1489	74	*	7		25	75-125
Bromomethane	2000	U	1754	88		2018	101		14		25	75-125
Chloroethane	2000	U	1527	76		1535	77		1		25	75-125
t-Butyl alcohol (TBA)	10000	U	7830	78		8941	89		13		25	60-140
Trichlorofluoromethane	2000	U	1658	83		1717	86		4		25	75-125
Diethyl ether	2000	U	1636	82		1765	88		8		25	75-125
Acetone	5000	U	4420	88		4629	93		5		25	75-125
1,1-Dichloroethene	2000	U	1827	91		1842	92		1		25	75-125
Di-isopropyl ether (DIPE)	2000	U	1898	95		1931	97		2		25	75-125
Methylene Chloride	2000	U	1816	91		1846	92		2		25	75-125
Carbon Disulfide	2000	U	1995	100		2013	101		1		25	75-125
Methyl-tert-butyl ether (MTBE)	2000	U	1847	92		1923	96		4		25	75-125
trans-1,2-Dichloroethene	2000	U	1900	95		1962	98		3		25	75-125
1,1-Dichloroethane	2000	U	1899	95		1909	95		1		25	75-125
Methyl ethyl ketone	5000	U	4390	88		4848	97		10		25	60-140
Ethyl t-butyl ether (ETBE)	2000	U	1918	96		1966	98		2		25	75-125
2,2-Dichloropropane	2000	U	1957	98		1919	96		2		25	75-125
cis-1,2-Dichloroethene	2000	U	1921	96		1981	99		3		25	75-125
t-Amyl methyl ether (TAME)	2000	U	1917	96		2012	101		5		25	75-125
Chloroform	2000	U	1940	97		1969	98		1		25	75-125
Bromochloromethane	2000	U	1937	97		1930	96		0		25	75-125
Tetrahydrofuran	2000	U	1772	89		2027	101		13		25	60-140
1,1,1-Trichloroethane	2000	U	1933	97		1983	99		3		25	75-125
1,1-Dichloropropene	2000	U	1959	98		1937	97		1		25	75-125
Carbon Tetrachloride	2000	U	1987	99		2045	102		3		25	75-125
1,2-Dichloroethane	2000	U	1889	94		1990	99		5		25	75-125
Benzene	2000	U	1828	91		1923	96		5		25	75-125
Trichloroethene	2000	U	1963	98		1981	99		1		25	75-125
1,2-Dichloropropane	2000	U	1964	98		1958	98		0		25	75-125
Bromodichloromethane	2000	U	1987	99		2015	101		1		25	75-125
Dibromomethane	2000	U	1971	99		1997	100		1		25	75-125
2-Hexanone	5000	U	4714	94		5073	101		7		25	75-125
Methyl isobutyl ketone	5000	U	4732	95		5142	103		8		25	75-125
cis-1,3-Dichloropropene	2000	U	1978	99		1993	100		1		25	75-125
Toluene	2000	U	1928	96		1979	99		3		25	75-125
trans-1,3-Dichloropropene	2000	U	1923	96		1962	98		2		25	75-125
1,1,2-Trichloroethane	2000	U	1905	95		1952	98		2		25	75-125
1,3-Dichloropropane	2000	U	1950	98		2019	101		3		25	75-125
Tetrachloroethene	2000	U	1964	98		1964	98		0		25	75-125
Dibromochloromethane	2000	U	2025	101		2087	104		3		25	75-125
1,2-Dibromoethane	2000	U	1906	95		2008	100		5		25	75-125
Chlorobenzene	2000	U	1979	99		1980	99		0		25	75-125
1,1,1,2-Tetrachloroethane	2000	U	2074	104		2048	102		1		25	75-125
Ethylbenzene	2000	U	1976	99		2000	100		1		25	75-125
m,p-Xylene	4000	U	4033	101		3981	100		1		25	75-125

VOLATILE ORGANIC

LABORATORY CONTROL SAMPLE/DUPLICATE

PERCENT RECOVERY

Project #:

Quote #:

SDG#: 56323

Site ID: Subbase Groton Site 7

Location: CT

Instrument ID: C

GC Column: RTX-502.2

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Laboratory Control Sample/Duplicate Sample ID: LS04216C/LS04216C2

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE AMT (ug/kg)	LCS CONC. (ug/kg)	LCS REC %	#	LCSD CONC. (ug/kg)	LCSD REC %	#	RPD	#	QC LIMITS RPD	QC LIMITS % REC.
o-Xylene	2000	U	1996	100		2047	102		2		25	75-125
Styrene	2000	U	1945	97		2020	101		4		25	75-125
Bromoform	2000	U	2021	101		2079	104		3		25	75-125
Isopropylbenzene	2000	U	1993	100		2027	101		2		25	75-125
1,1,2,2-Tetrachloroethane	2000	U	1753	88		1798	90		3		25	75-125
1,2,3-Trichloropropane	2000	U	1779	89		1901	95		7		25	75-125
n-Propylbenzene	2000	U	2037	102		2057	103		1		25	75-125
Bromobenzene	2000	U	2003	100		2020	101		1		25	75-125
1,3,5-Trimethylbenzene	2000	U	1988	99		2005	100		1		25	75-125
2-Chlorotoluene	2000	U	2020	101		2013	101		0		25	75-125
4-Chlorotoluene	2000	U	1928	96		2012	101		4		25	75-125
tert-butylbenzene	2000	U	1968	98		1981	99		1		25	75-125
1,2,4-Trimethylbenzene	2000	U	1970	99		1999	100		1		25	75-125
sec-butylbenzene	2000	U	1960	98		2017	101		3		25	75-125
p-isopropyltoluene	2000	U	1997	100		2004	100		0		25	75-125
1,3-Dichlorobenzene	2000	U	1966	98		2025	101		3		25	75-125
1,4-Dichlorobenzene	2000	U	1963	98		2082	104		6		25	75-125
n-butylbenzene	2000	U	1947	97		2033	102		4		25	75-125
1,2-Dichlorobenzene	2000	U	1891	95		2064	103		9		25	75-125
1,2-Dibromo-3-chloropropane	2000	U	1719	86		1886	94		9		25	75-125
1,2,4-Trichlorobenzene	2000	U	1866	93		2059	103		10		25	75-125
Hexachlorobutadiene	2000	U	1944	97		2116	106		9		25	75-125
Naphthalene	2000	U	1655	83		2000	100		19		25	75-125
1,2,3-Trichlorobenzene	2000	U	1824	91		2055	103		12		25	75-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 71 outside limits

Spike Recovery: 2 out of 142 outside limits

Comments: _____

_____

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042406C\C58492Q.D Vial: 12
Acq On : 24 Apr 2006 11:23 am Operator:
Sample : LS04216C Inst : Instr_C
Misc : 50,5.00,SOIL Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 24 12:40 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/25/06 4.25.06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.00	168	230904	20.00	ug/L	-0.01
39) 1,4-Difluorobenzene	8.48	114	361180 ✓	20.00	ug/L	-0.01
63) *d5-Chlorobenzene	13.01	117	324346	20.00	ug/L	-0.01
87) 1,4-Dichlorobenzene-d4	16.74	152	163356	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.86	65	164588	17.94	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 89.70% ✓			
36) d4-1,2-Dichloroethane	7.86	65	164993	17.98	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 89.90% ✓			
54) d8-Toluene	10.74	98	371421	18.38	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 91.90% ✓			
73) Bromofluorobenzene	14.88	95	153909	18.68	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 93.40% ✓			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.70	85	80521	10.34	ug/L	97
3) Chloromethane	1.94	50	120273	15.39	ug/L	97
4) Vinyl Chloride	2.02	62	111050	13.89	ug/L	99
5) Bromomethane	2.44	94	72557	17.54	ug/L	97
6) Chloroethane	2.54	64	59825	15.27	ug/L	98
7) t-Butyl alcohol (TBA)	3.95	59	46938	78.30	ug/L	97
8) Trichlorofluoromethane	2.84	101	239286	16.58	ug/L	99
9) Diethyl ether	3.27	74	37191	16.36	ug/L	97
10) 1,1,2-Trichlorotrifluoroet	3.42	101	102122	18.12	ug/L	100
12) Acetone	3.55	43	88580	44.20	ug/L	97
13) 1,1-Dichloroethene	3.65	96	75029	18.27	ug/L #	89
14) Methyl iodide	4.10	142	143843	22.55	ug/L	95
15) Di-isopropyl ether (DIPE)	5.51	45	384391	18.98	ug/L	100
16) Methylene Chloride	4.41	84	81335	18.16	ug/L	95
17) Carbon Disulfide	4.36	76	262527	19.95	ug/L	100
18) Acrylonitrile	4.65	53	37022	19.51	ug/L #	85
19) Methyl-tert-butyl ether (M	4.74	73	286433	18.47	ug/L	100
20) trans-1,2-Dichloroethene	4.88	61	191863	19.00	ug/L	98
21) 1,1-Dichloroethane	5.58	63	218695	18.99	ug/L	99
23) Methyl ethyl ketone	6.31	72	21507	43.90	ug/L	96
24) Ethyl t-butyl ether (ETBE)	6.15	59	364024	19.18	ug/L	100
25) 2,2-Dichloropropane	6.46	77	173262	19.57	ug/L	94
26) cis-1,2-Dichloroethene	6.53	96	125744	19.21	ug/L	95
27) t-Amyl methyl ether (TAME)	7.87	73	254487	19.17	ug/L	99
29) Chloroform	6.79	83	210810	19.40	ug/L	99
30) Bromochloromethane	7.01	128	67212	19.37	ug/L	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042406C\C58492Q.D Vial: 12
Acq On : 24 Apr 2006 11:23 am Operator:
Sample : LS04216C Inst : Instr_C
Misc : 50,5.00,SOIL Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 24 12:40 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31) Tetrahydrofuran	7.12	71	9382	17.72 ug/L	91
32) 1,1,1-Trichloroethane	7.38	97	191053	19.33 ug/L	95
34) 1,1-Dichloropropene	7.63	75	154107	19.59 ug/L	99
35) Carbon Tetrachloride	7.75	119	162052	19.87 ug/L	99
37) 1,2-Dichloroethane	8.01	62	202612	18.89 ug/L	99
38) Benzene	8.01	78	342551	18.28 ug/L	99
40) Trichloroethene	8.95	95	124712	19.63 ug/L	97
41) 1,2-Dichloropropane	9.21	63	117423	19.64 ug/L	99
42) Methylmethacrylate	9.36	69	63667	17.20 ug/L	98
45) Bromodichloromethane	9.55	83	155257	19.87 ug/L	98
46) Dibromomethane	9.62	93	89989	19.71 ug/L	94
47) 1,4-Dioxane	9.64	88	21125	373.94 ug/L	95
51) 2-Hexanone	11.43	58	93866	47.14 ug/L	96
52) Methyl isobutyl ketone	10.13	58	97153	47.32 ug/L	98
53) cis-1,3-Dichloropropene	10.39	75	175919	19.78 ug/L	99
55) Toluene	10.85	92	230945	19.28 ug/L	97
56) trans-1,3-Dichloropropene	11.15	75	162764	19.23 ug/L	97
58) 1,1,2-Trichloroethane	11.37	83	75017	19.05 ug/L	96
59) 1,3-Dichloropropane	11.75	76	150170	19.50 ug/L	96
60) Tetrachloroethene	11.84	166	151317	19.64 ug/L	100
61) Dibromochloromethane	12.12	129	134435	20.25 ug/L	99
62) 1,2-Dibromoethane	12.42	107	127107	19.06 ug/L	96
64) Chlorobenzene	13.07	112	323580	19.79 ug/L	99
65) 1,1,1,2-Tetrachloroethane	13.14	131	120267	20.74 ug/L	96
66) Ethylbenzene	13.17	91	466870	19.76 ug/L	99
67) m,p-Xylene	13.29	106	382043	40.33 ug/L	99
68) o-Xylene	13.95	106	183024	19.96 ug/L	96
69) Styrene	14.01	104	313565	19.45 ug/L	98
70) Bromoform	14.49	173	101702	20.21 ug/L	96
71) Isopropylbenzene	14.52	105	484912	19.93 ug/L	98
72) 1,1,2,2-Tetrachloroethane	14.78	83	111485	17.53 ug/L	100
74) 1,2,3-Trichloropropane	15.00	75	84075	17.79 ug/L	97
75) trans-1,4-Dichloro-2-buten	15.13	89	38680	19.65 ug/L #	75
76) n-Propylbenzene	15.14	91	555044	20.37 ug/L	100
77) Bromobenzene	15.17	156	140384	20.03 ug/L	98
78) 1,3,5-Trimethylbenzene	15.40	105	399220	19.88 ug/L	98
79) 2-Chlorotoluene	15.40	91	379199	20.20 ug/L	99
80) 4-Chlorotoluene	15.47	91	332360	19.28 ug/L	100
81) tert-butylbenzene	15.94	119	349354	19.68 ug/L	100
82) 1,2,4-Trimethylbenzene	16.00	105	402397	19.70 ug/L	100
83) Diisobutylketone	15.11	57	11666	0.82 ug/L #	27

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042406C\C58492Q.D
Acq On : 24 Apr 2006 11:23 am
Sample : LS04216C
Misc : 50,5.00,SOIL
Integration Params: rteint.p
Quant Time: Apr 24 12:40 2006

Vial: 12
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
84) sec-butylbenzene	16.27	105	535960	19.60	ug/L	97
85) p-isopropyltoluene	16.50	119	438313	19.97	ug/L	99
86) 1,3-Dichlorobenzene	16.61	146	232772	19.66	ug/L	97
88) 1,4-Dichlorobenzene	16.78	146	239655	19.63	ug/L	99
89) n-butylbenzene	17.14	91	398322	19.47	ug/L	99
90) 1,2-Dichlorobenzene	17.35	146	213047	18.91	ug/L	98
92) 1,2-Dibromo-3-chloropropan	18.59	75	20687	17.19	ug/L	97
94) 1,2,4-Trichlorobenzene	20.00	180	180536	18.66	ug/L	99
95) Hexachlorobutadiene	20.25	225	96096	19.44	ug/L	97
96) Naphthalene	20.39	128	292105	16.55	ug/L	100
97) 1,2,3-Trichlorobenzene	20.80	180	160110	18.24	ug/L	97

(#) = qualifier out of range (m) = manual integration

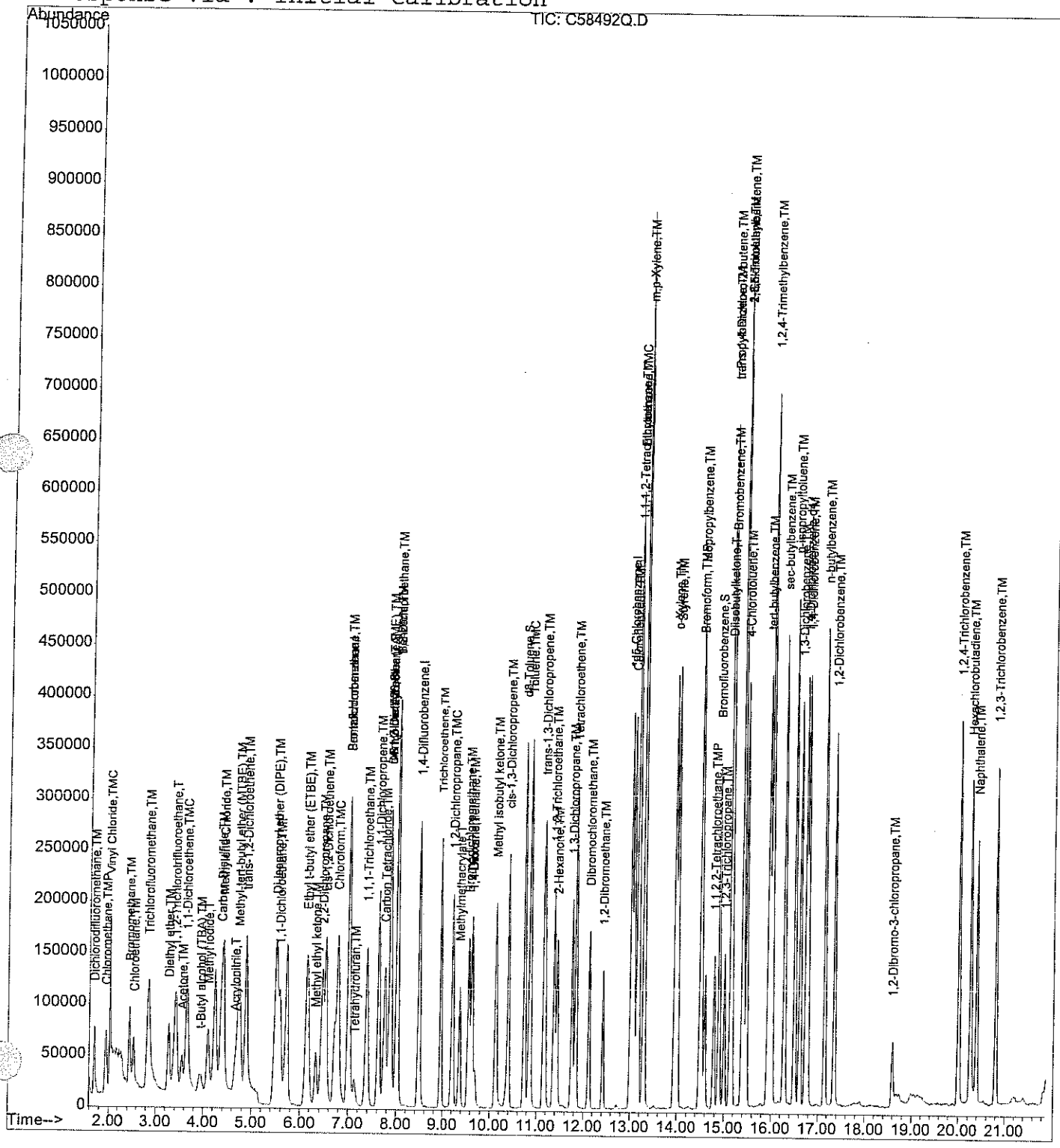
Quantitation Report

Data File : D:\HPCHEM\1\DATA\042406C\C58492Q.D
Acq On : 24 Apr 2006 11:23 am
Sample : LS04216C
Misc : 50,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Apr 24 12:40 2006

Vial: 12
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042406C\C58493Q.D Vial: 13
Acq On : 24 Apr 2006 11:58 am Operator:
Sample : LS04216C2 Inst : Instr_C
Misc : 50,5.00,SOIL Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 24 12:41 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/25/06 4.25.06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.00	168	220632	20.00	ug/L	-0.02
39) 1,4-Difluorobenzene	8.48	114	351906 ✓	20.00	ug/L	-0.02
63) *d5-Chlorobenzene	13.01	117	324451 ✓	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.73	152	160860	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.86	65	162612	18.54	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 92.70% ✓			
36) d4-1,2-Dichloroethane	7.86	65	162612	18.54	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 92.70% ✓			
54) d8-Toluene	10.73	98	375683	19.08	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 95.40% ✓			
73) Bromofluorobenzene	14.89	95	157047	19.05	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 95.25% ✓			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.68	85	84132	11.31	ug/L	96
3) Chloromethane	1.94	50	130044	17.42	ug/L	97
4) Vinyl Chloride	2.02	62	113742	14.89	ug/L	100
5) Bromomethane	2.42	94	79766	20.18	ug/L	100
6) Chloroethane	2.52	64	57451	15.35	ug/L	98
7) t-Butyl alcohol (TBA)	3.97	59	51213	89.41	ug/L	97
8) Trichlorofluoromethane	2.83	101	236887	17.17	ug/L	97
9) Diethyl ether	3.26	74	38334	17.65	ug/L	99
10) 1,1,2-Trichlorotrifluoroet	3.41	101	99070	18.40	ug/L	99
12) Acetone	3.56	43	88639	46.29	ug/L	98
13) 1,1-Dichloroethene	3.63	96	72260	18.42	ug/L	93
14) Methyl iodide	4.08	142	144650	23.73	ug/L	95
15) Di-isopropyl ether (DIPE)	5.50	45	373792	19.31	ug/L	100
16) Methylene Chloride	4.40	84	78982	18.46	ug/L	90
17) Carbon Disulfide	4.35	76	253061	20.13	ug/L	100
18) Acrylonitrile	4.65	53	37895	20.90	ug/L	95
19) Methyl-tert-butyl ether (M	4.73	73	285044	19.23	ug/L	98
20) trans-1,2-Dichloroethene	4.88	61	189282	19.62	ug/L	95
21) 1,1-Dichloroethane	5.58	63	210035	19.09	ug/L	99
23) Methyl ethyl ketone	6.33	72	22697	48.48	ug/L	99
24) Ethyl t-butyl ether (ETBE)	6.14	59	356483	19.66	ug/L	100
25) 2,2-Dichloropropane	6.45	77	162297	19.19	ug/L	97
26) cis-1,2-Dichloroethene	6.52	96	123870	19.81	ug/L	97
27) t-Amyl methyl ether (TAME)	7.86	73	255228	20.12	ug/L	99
29) Chloroform	6.78	83	204387	19.69	ug/L	95
30) Bromochloromethane	7.02	128	63998	19.30	ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042406C\C58493Q.D Vial: 13
Acq On : 24 Apr 2006 11:58 am Operator:
Sample : LS04216C2 Inst : Instr_C
Misc : 50,5.00,SOIL Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 24 12:41 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31) Tetrahydrofuran	7.12	71	10259	20.27 ug/L	96
32) 1,1,1-Trichloroethane	7.37	97	187343	19.83 ug/L	97
34) 1,1-Dichloropropene	7.62	75	145601	19.37 ug/L	92
35) Carbon Tetrachloride	7.75	119	159342	20.45 ug/L	97
37) 1,2-Dichloroethane	8.00	62	203886	19.90 ug/L	99
38) Benzene	8.01	78	344362	19.23 ug/L	97
40) Trichloroethene	8.95	95	122574	19.81 ug/L	98
41) 1,2-Dichloropropane	9.21	63	114068	19.58 ug/L	97
42) Methylmethacrylate	9.36	69	66682	18.49 ug/L	98
45) Bromodichloromethane	9.55	83	153346	20.15 ug/L	94
46) Dibromomethane	9.62	93	88846	19.97 ug/L	96
47) 1,4-Dioxane	9.64	88	23344	424.11 ug/L	94
51) 2-Hexanone	11.43	58	98426	50.73 ug/L	97
52) Methyl isobutyl ketone	10.12	58	102865	51.42 ug/L	98
53) cis-1,3-Dichloropropene	10.39	75	172629	19.93 ug/L	100
55) Toluene	10.85	92	231063	19.79 ug/L	98
56) trans-1,3-Dichloropropene	11.15	75	161769	19.62 ug/L	97
58) 1,1,2-Trichloroethane	11.37	83	74904	19.52 ug/L	96
59) 1,3-Dichloropropane	11.75	76	151455	20.19 ug/L	98
60) Tetrachloroethene	11.83	166	147450	19.64 ug/L	97
61) Dibromochloromethane	12.12	129	135020	20.87 ug/L	99
62) 1,2-Dibromoethane	12.42	107	130519	20.08 ug/L	100
64) Chlorobenzene	13.07	112	323834	19.80 ug/L	100
65) 1,1,1,2-Tetrachloroethane	13.14	131	118771	20.48 ug/L	95
66) Ethylbenzene	13.17	91	472789	20.00 ug/L	100
67) m,p-Xylene	13.29	106	377260	39.81 ug/L	96
68) o-Xylene	13.95	106	187712	20.47 ug/L	97
69) Styrene	14.01	104	325788	20.20 ug/L	97
70) Bromoform	14.49	173	104646	20.79 ug/L	93
71) Isopropylbenzene	14.51	105	493238	20.27 ug/L	98
72) 1,1,2,2-Tetrachloroethane	14.78	83	114410	17.98 ug/L	98
74) 1,2,3-Trichloropropane	15.00	75	89888	19.01 ug/L	98
75) trans-1,4-Dichloro-2-buten	15.13	89	38990	19.81 ug/L #	75
76) n-Propylbenzene	15.14	91	560616	20.57 ug/L	99
77) Bromobenzene	15.17	156	141593	20.20 ug/L	96
78) 1,3,5-Trimethylbenzene	15.40	105	402672	20.05 ug/L	97
79) 2-Chlorotoluene	15.39	91	378115	20.13 ug/L	100
80) 4-Chlorotoluene	15.47	91	346924	20.12 ug/L	98
81) tert-butylbenzene	15.94	119	351742	19.81 ug/L	99
82) 1,2,4-Trimethylbenzene	16.00	105	408436	19.99 ug/L	99
84) sec-butylbenzene	16.28	105	551679	20.17 ug/L	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042406C\C58493Q.D Vial: 13
Acq On : 24 Apr 2006 11:58 am Operator:
Sample : LS04216C2 Inst : Instr_C
Misc : 50,5.00,SOIL Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 24 12:41 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
85) p-isopropyltoluene	16.50	119	439989	20.04 ug/L	98
86) 1,3-Dichlorobenzene	16.61	146	239766	20.25 ug/L	97
88) 1,4-Dichlorobenzene	16.78	146	250251	20.82 ug/L	100
89) n-butylbenzene	17.14	91	409504	20.33 ug/L	100
90) 1,2-Dichlorobenzene	17.35	146	228958	20.64 ug/L	97
92) 1,2-Dibromo-3-chloropropan	18.59	75	22344	18.86 ug/L #	90
94) 1,2,4-Trichlorobenzene	20.00	180	196145	20.59 ug/L	94
95) Hexachlorobutadiene	20.26	225	103028	21.16 ug/L	96
96) Naphthalene	20.39	128	347573	20.00 ug/L	100
97) 1,2,3-Trichlorobenzene	20.80	180	177649	20.55 ug/L	97

(#) = qualifier out of range (m) = manual integration

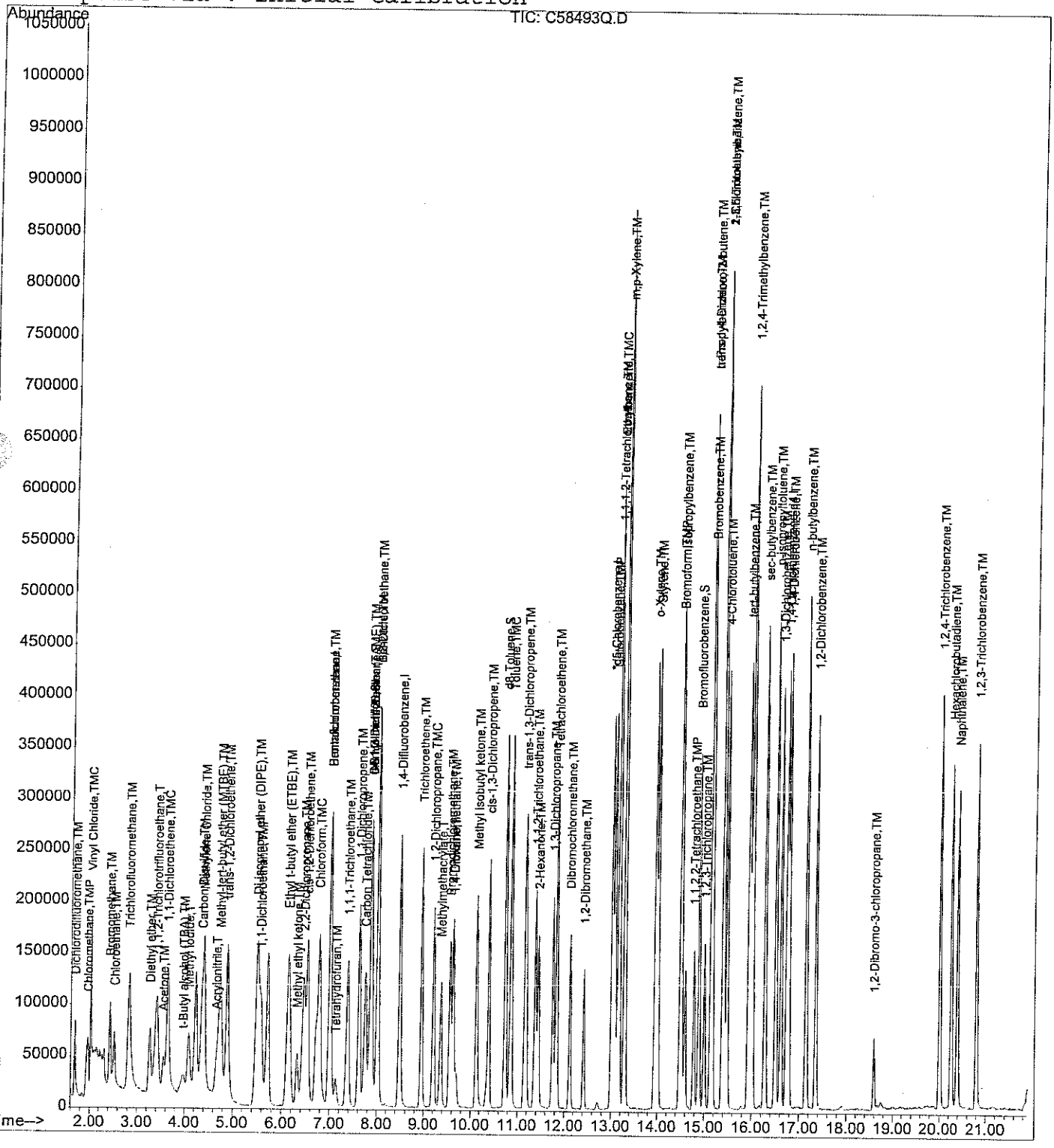
Quantitation Report

Data File : D:\HPCHEM\1\DATA\042406C\C58493Q.D
Acq On : 24 Apr 2006 11:58 am
Sample : LS04216C2
Misc : 50,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Apr 24 12:41 2006

Vial: 13
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration



VOLATILE ORGANIC

MATRIX SPIKE/DUPLICATE

PERCENT RECOVERY

Project #:

Quote #:

SDG#: 56323

Site ID: Subbase Groton Site 7

Location: CT

Instrument ID: C

GC Column: RTX-502.2 ID: 0.25 (mm)

Heated Purge: (Y/N) N

Matrix Spike/Duplicate Sample ID: 56323-4

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE AMT (ug/kg)	MS CONC. (ug/kg)	MS REC %	#	SPIKE ADDED (ug/kg)	MSD CONC. (ug/kg)	MSD REC %	#	RPD	#	QC LIMITS RPD	QC LIMITS % REC.
Dichlorodifluoromethane	1717	U	699	41	*	1709	681	40	*	3		25	49-82
Chloromethane	1717	U	1312	76		1709	1324	77		1		25	75-125
Vinyl Chloride	1717	U	1075	63	*	1709	1083	63	*	1		25	75-125
Bromomethane	1717	U	1391	81		1709	1176	69	*	17		25	75-125
Chloroethane	1717	U	1345	78		1709	1323	77		2		25	75-125
t-Butyl alcohol (TBA)	8583	U	7840	91		8544	8269	97		5		25	60-140
Trichlorofluoromethane	1717	U	1316	77		1709	1288	75		2		25	75-125
Diethyl ether	1717	U	1475	86		1709	1472	86		0		25	75-125
Acetone	4292	U	3900	91		4272	4435	104		13		25	75-125
1,1-Dichloroethene	1717	U	1538	90		1709	1495	87		3		25	75-125
Di-isopropyl ether (DIPE)	1717	U	1637	95		1709	1604	94		2		25	75-125
Methylene Chloride	1717	U	1530	89		1709	1535	90		0		25	75-125
Carbon Disulfide	1717	U	1613	94		1709	1596	93		1		25	75-125
Methyl-tert-butyl ether (MTBE)	1717	U	1624	95		1709	1669	98		3		25	75-125
trans-1,2-Dichloroethene	1717	U	1577	92		1709	1563	91		1		25	75-125
1,1-Dichloroethane	1717	U	1597	93		1709	1573	92		2		25	75-125
Methyl ethyl ketone	4292	U	4323	101		4272	4445	104		3		25	60-140
Ethyl t-butyl ether (ETBE)	1717	U	1653	96		1709	1687	99		2		25	75-125
2,2-Dichloropropane	1717	U	1584	92		1709	1574	92		1		25	75-125
cis-1,2-Dichloroethene	1717	U	1625	95		1709	1605	94		1		25	75-125
t-Amyl methyl ether (TAME)	1717	U	1698	99		1709	1734	101		2		25	75-125
Chloroform	1717	U	1635	95		1709	1626	95		1		25	75-125
Bromochloromethane	1717	U	1722	100		1709	1648	96		4		25	75-125
Tetrahydrofuran	1717	U	1678	98		1709	1791	105		7		25	60-140
1,1,1-Trichloroethane	1717	U	1606	94		1709	1602	94		0		25	75-125
1,1-Dichloropropene	1717	U	1640	96		1709	1592	93		3		25	75-125
Carbon Tetrachloride	1717	U	1711	100		1709	1685	99		2		25	75-125
1,2-Dichloroethane	1717	U	1636	95		1709	1617	95		1		25	75-125
Benzene	1717	U	1598	93		1709	1579	92		1		25	75-125
Trichloroethene	1717	U	1623	95		1709	1620	95		0		25	75-125
1,2-Dichloropropane	1717	U	1585	92		1709	1601	94		1		25	75-125
Bromodichloromethane	1717	U	1646	96		1709	1630	95		1		25	75-125
Dibromomethane	1717	U	1695	99		1709	1689	99		0		25	75-125
2-Hexanone	4292	U	4140	96		4272	4331	101		5		25	75-125
Methyl isobutyl ketone	4292	U	4108	96		4272	4430	104		8		25	75-125
cis-1,3-Dichloropropene	1717	U	1635	95		1709	1650	97		1		25	75-125
Toluene	1717	U	1669	97		1709	1684	99		1		25	75-125
trans-1,3-Dichloropropene	1717	U	1638	95		1709	1631	95		0		25	75-125
1,1,2-Trichloroethane	1717	U	1623	95		1709	1666	97		3		25	75-125
1,3-Dichloropropane	1717	U	1689	98		1709	1714	100		1		25	75-125
Tetrachloroethene	1717	U	1642	96		1709	1593	93		3		25	75-125
Dibromochloromethane	1717	U	1697	99		1709	1682	98		1		25	75-125
1,2-Dibromoethane	1717	U	1726	101		1709	1738	102		1		25	75-125
Chlorobenzene	1717	U	1655	96		1709	1635	96		1		25	75-125
1,1,1,2-Tetrachloroethane	1717	U	1670	97		1709	1646	96		1		25	75-125
Ethylbenzene	1717	U	1681	98		1709	1638	96		3		25	75-125
m,p-Xylene	3434	U	3294	96		3418	3196	94		3		25	75-125

VOLATILE ORGANIC

MATRIX SPIKE/DUPLICATE

PERCENT RECOVERY

Project #: Quote #: SDG#: 56323

Site ID: Subbase Groton Site 7 Location: CT

Instrument ID: C

GC Column: RTX-502.2 ID: 0.25 (mm)

Heated Purge: (Y/N) N

Matrix Spike/Duplicate Sample ID: 56323-4

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE AMT (ug/kg)	MS CONC. (ug/kg)	MS REC %	#	SPIKE ADDED (ug/kg)	MSD CONC. (ug/kg)	MSD REC %	#	RPD	#	QC LIMITS RPD	QC LIMITS % REC.
o-Xylene	1717	U	1658	97		1709	1641	96		1		25	75-125
Styrene	1717	U	1661	97		1709	1621	95		2		25	75-125
Bromoform	1717	U	1676	98		1709	1684	99		0		25	75-125
Isopropylbenzene	1717	U	1623	95		1709	1630	95		0		25	75-125
1,1,2,2-Tetrachloroethane	1717	U	1544	90		1709	1582	93		2		25	75-125
1,2,3-Trichloropropane	1717	U	1584	92		1709	1627	95		3		25	75-125
n-Propylbenzene	1717	U	1709	100		1709	1694	99		1		25	75-125
Bromobenzene	1717	U	1669	97		1709	1646	96		1		25	75-125
1,3,5-Trimethylbenzene	1717	U	1669	97		1709	1616	95		3		25	75-125
2-Chlorotoluene	1717	U	1668	97		1709	1571	92		6		25	75-125
4-Chlorotoluene	1717	U	1632	95		1709	1627	95		0		25	75-125
tert-butylbenzene	1717	U	1611	94		1709	1638	96		2		25	75-125
1,2,4-Trimethylbenzene	1717	U	1647	96		1709	1631	95		1		25	75-125
sec-butylbenzene	1717	U	1659	97		1709	1625	95		2		25	75-125
p-isopropyltoluene	1717	U	1659	97		1709	1638	96		1		25	75-125
1,3-Dichlorobenzene	1717	U	1654	96		1709	1622	95		2		25	75-125
1,4-Dichlorobenzene	1717	U	1664	97		1709	1639	96		1		25	75-125
n-butylbenzene	1717	U	1660	97		1709	1638	96		1		25	75-125
1,2-Dichlorobenzene	1717	U	1647	96		1709	1622	95		2		25	75-125
1,2-Dibromo-3-chloropropane	1717	U	1524	89		1709	1627	95		7		25	75-125
1,2,4-Trichlorobenzene	1717	U	1690	98		1709	1654	97		2		25	75-125
Hexachlorobutadiene	1717	U	1693	99		1709	1639	96		3		25	75-125
Naphthalene	1717	U	1640	96		1709	1663	97		1		25	75-125
1,2,3-Trichlorobenzene	1717	U	1654	96		1709	1577	92		5		25	75-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 71 outside limits

Spike Recovery: 3 out of 142 outside limits

Comments: _____

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042406C\C58501SP.D Vial: 5
Acq On : 24 Apr 2006 3:51 pm Operator:
Sample : 56323-4,MS Inst : Instr_C
Misc : 75,6.48,SOIL Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 25 8:04 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/25/06 JMW 4.25.06

$CF = \frac{25000}{(75)(6.40)(.89891)} = 57.22$

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.00	168	237748	20.00	ug/L	-0.02
39) 1,4-Difluorobenzene	8.48	114	385836	20.00	ug/L	-0.02
63) *d5-Chlorobenzene	13.02	117	357449 ✓	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.74	152	176293	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.87	65	168072	17.79	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 88.95% ✓			
36) d4-1,2-Dichloroethane	7.87	65	168072	17.79	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 88.95% ✓			
54) d8-Toluene	10.74	98	397067	18.39	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 91.95% ✓			
73) Bromofluorobenzene	14.89	95	161255	17.76	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 88.80% ✓			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.69	85	97905	12.21	ug/L	97
3) Chloromethane	1.94	50	184443	22.93	ug/L	98
4) Vinyl Chloride	2.01	62	154583	18.78	ug/L	99
5) Bromomethane	2.41	94	103512	24.30	ug/L	98
6) Chloroethane	2.50	64	94813	23.51	ug/L	99
7) t-Butyl alcohol (TBA)	4.01	59	84571m	137.02	ug/L	
8) Trichlorofluoromethane	2.81	101	341786	22.99	ug/L	98
9) Diethyl ether	3.26	74	60330	25.78	ug/L	98
10) 1,1,2-Trichlorotrifluoroet	3.39	101	149212	25.72	ug/L	99
12) Acetone	3.57	43	140619	68.15	ug/L	99
13) 1,1-Dichloroethene	3.63	96	113635	26.88	ug/L	93
14) Methyl iodide	4.07	142	250748	38.17	ug/L	100
15) Di-isopropyl ether (DIPE)	5.50	45	596586	28.60	ug/L	100
16) Methylene Chloride	4.40	84	123311	26.75	ug/L	98
17) Carbon Disulfide	4.34	76	381819	28.18	ug/L	100
18) Acrylonitrile	4.66	53	55917	28.62	ug/L	99
19) Methyl-tert-butyl ether (M	4.74	73	453313	28.38	ug/L	99
20) trans-1,2-Dichloroethene	4.87	61	286494	27.56	ug/L	100
21) 1,1-Dichloroethane	5.57	63	330932	27.91	ug/L	99
23) Methyl ethyl ketone	6.33	72	38116	75.56	ug/L	95
24) Ethyl t-butyl ether (ETBE)	6.14	59	564517	28.89	ug/L	99
25) 2,2-Dichloropropane	6.46	77	252285	27.68	ug/L	100
26) cis-1,2-Dichloroethene	6.53	96	191346	28.39	ug/L	98
27) t-Amyl methyl ether (TAME)	7.87	73	405500	29.67	ug/L	98
29) Chloroform	6.78	83	319638	28.57	ug/L	95
30) Bromochloromethane	7.01	128	107573	30.10	ug/L	94

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042406C\C58501SP.D Vial: 5
Acq On : 24 Apr 2006 3:51 pm Operator:
Sample : 56323-4,MS Inst : Instr_C
Misc : 75,6.48,SOIL Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 25 8:04 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31) Tetrahydrofuran	7.14	71	15992	29.33 ug/L	93
32) 1,1,1-Trichloroethane	7.38	97	285691	28.07 ug/L	98
34) 1,1-Dichloropropene	7.62	75	232160	28.66 ug/L	97
35) Carbon Tetrachloride	7.75	119	251027	29.90 ug/L	100
37) 1,2-Dichloroethane	8.01	62	315740	28.59 ug/L	100
38) Benzene	8.01	78	538992	27.94 ug/L	99
40) Trichloroethene	8.94	95	192430	28.36 ug/L	97
41) 1,2-Dichloropropane	9.21	63	176948	27.70 ug/L	100
42) Methylmethacrylate	9.37	69	120070	30.37 ug/L	99
43) Methyl acetate	4.25	43	9994	1.71 ug/L #	83
45) Bromodichloromethane	9.55	83	240142	28.77 ug/L	97
46) Dibromomethane	9.62	93	144525	29.63 ug/L	95
47) 1,4-Dioxane	9.65	88	43544	721.53 ug/L	98
51) 2-Hexanone	11.44	58	153903	72.35 ug/L	96
52) Methyl isobutyl ketone	10.14	58	157483	71.80 ug/L	100
53) cis-1,3-Dichloropropene	10.39	75	271445	28.58 ug/L	98
55) Toluene	10.86	92	373363	29.17 ug/L	100
56) trans-1,3-Dichloropropene	11.15	75	258843	28.63 ug/L	100
58) 1,1,2-Trichloroethane	11.38	83	119351	28.37 ug/L	99
59) 1,3-Dichloropropane	11.75	76	242792	29.52 ug/L	100
60) Tetrachloroethene	11.83	166	236094	28.69 ug/L	96
61) Dibromochloromethane	12.12	129	210402	29.66 ug/L	97
62) 1,2-Dibromoethane	12.42	107	214930	30.17 ug/L	96
64) Chlorobenzene	13.07	112	521296	28.93 ug/L	100
65) 1,1,1,2-Tetrachloroethane	13.15	131	186474	29.18 ug/L	96
66) Ethylbenzene	13.17	91	765104	29.38 ug/L	99
67) m,p-Xylene	13.29	106	600970	57.56 ug/L	98
68) o-Xylene	13.95	106	292869	28.98 ug/L	97
69) Styrene	14.01	104	515820	29.03 ug/L	98
70) Bromoform	14.49	173	162439	29.29 ug/L	99
71) Isopropylbenzene	14.52	105	760673	28.37 ug/L	99
72) 1,1,2,2-Tetrachloroethane	14.78	83	189192	26.99 ug/L	96
74) 1,2,3-Trichloropropane	15.01	75	144154	27.68 ug/L	97
75) trans-1,4-Dichloro-2-buten	15.14	89	62581	28.85 ug/L #	74
76) n-Propylbenzene	15.15	91	896505	29.86 ug/L	100
77) Bromobenzene	15.17	156	225320	29.18 ug/L	96
78) 1,3,5-Trimethylbenzene	15.40	105	645362	29.17 ug/L	98
79) 2-Chlorotoluene	15.39	91	602995	29.14 ug/L	99
80) 4-Chlorotoluene	15.47	91	542086	28.53 ug/L	96
81) tert-butylbenzene	15.94	119	550579	28.15 ug/L	99
82) 1,2,4-Trimethylbenzene	16.00	105	647941	28.79 ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042406C\C58501SP.D Vial: 5
Acq On : 24 Apr 2006 3:51 pm Operator:
Sample : 56323-4,MS Inst : Instr_C
Misc : 75,6.48,SOIL Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 25 8:04 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

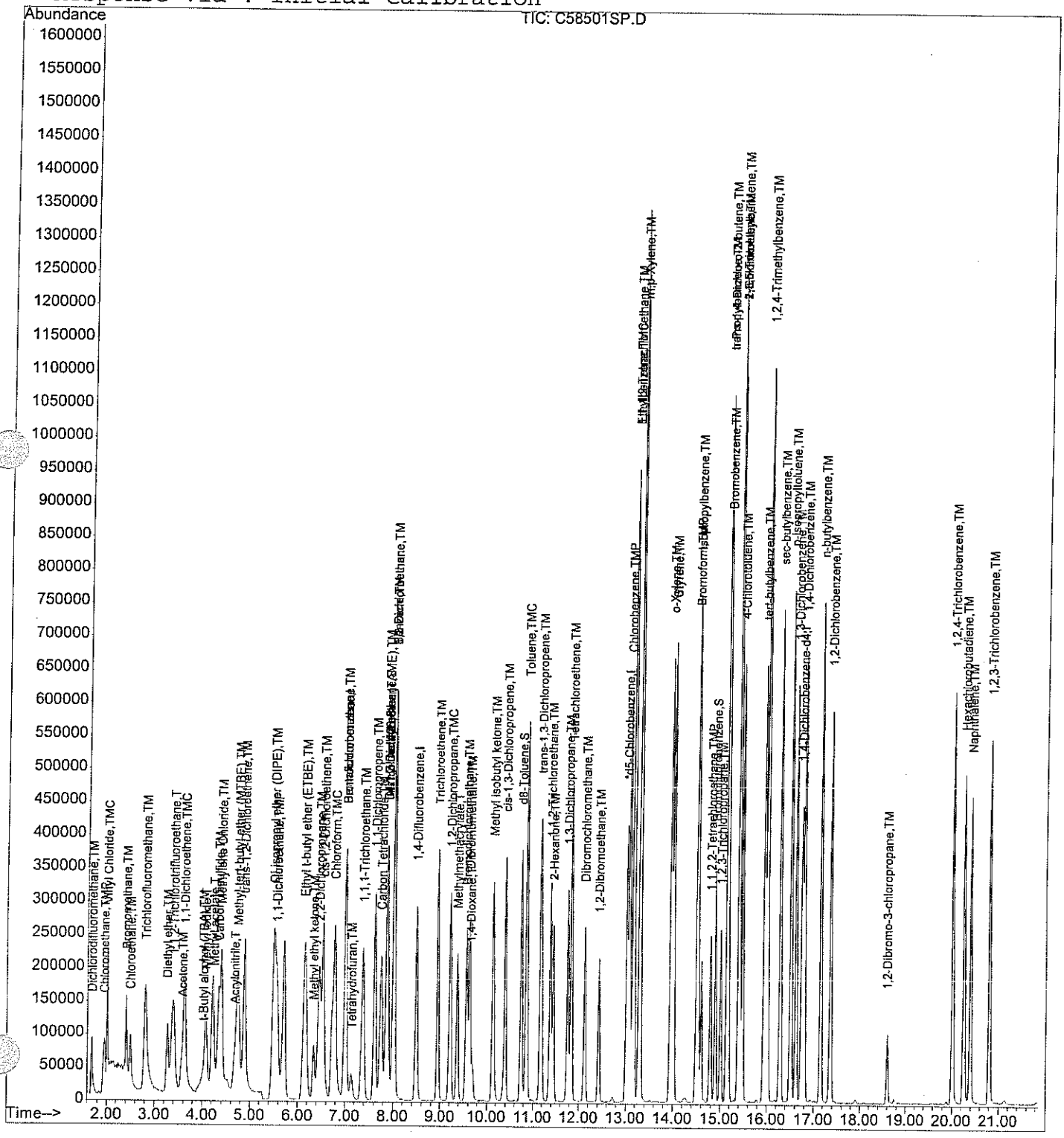
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
84)	sec-butylbenzene	16.28	105	873402	28.99 ug/L	97
85)	p-isopropyltoluene	16.51	119	701602	29.00 ug/L	98
86)	1,3-Dichlorobenzene	16.61	146	377168	28.91 ug/L	98
88)	1,4-Dichlorobenzene	16.78	146	383088	29.08 ug/L	99
89)	n-butylbenzene	17.15	91	640283	29.01 ug/L	99
90)	1,2-Dichlorobenzene	17.35	146	349917	28.78 ug/L	98
92)	1,2-Dibromo-3-chloropropan	18.61	75	34578	26.63 ug/L #	76
94)	1,2,4-Trichlorobenzene	20.01	180	308402	29.54 ug/L	98
95)	Hexachlorobutadiene	20.25	225	157884	29.59 ug/L	97
96)	Naphthalene	20.39	128	545881	28.66 ug/L	100
97)	1,2,3-Trichlorobenzene	20.81	180	273872	28.91 ug/L	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042406C\C58501SP.D Vial: 5
Acq On : 24 Apr 2006 3:51 pm Operator:
Sample : 56323-4,MS Inst : Instr_C
Misc : 75,6.48,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 25 8:04 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration



Quantitation Report (Qedit)

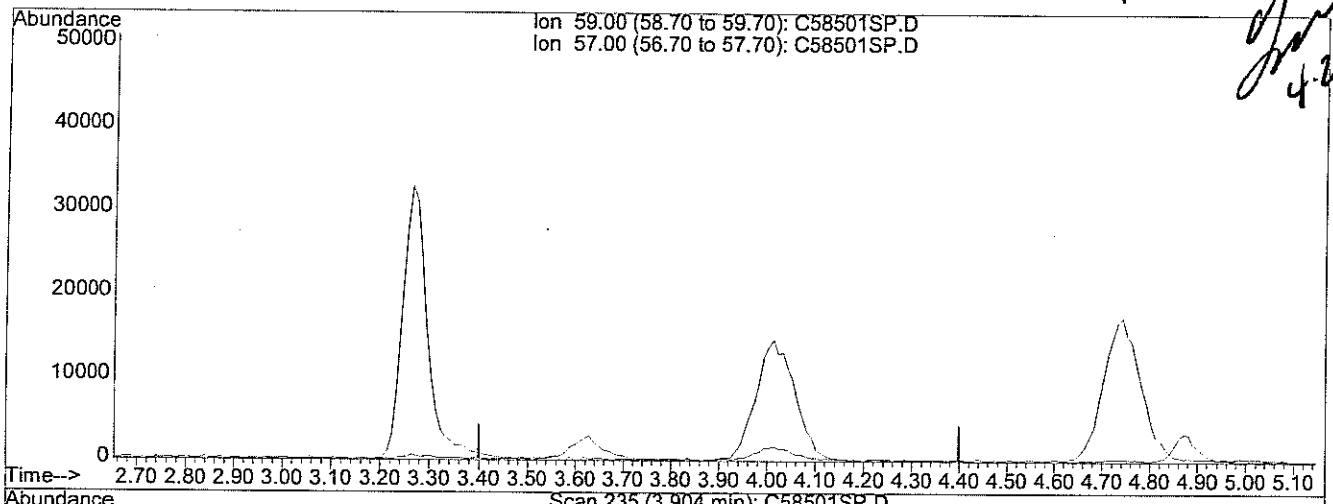
Data File : D:\HPCHEM\1\DATA\042406C\C58501SP.D
Acq On : 24 Apr 2006 3:51 pm
Sample : 56323-4,MS
Misc : 75,6.48,SOIL
MS Integration Params: rteint.p
Quant Time: Apr 25 8:01 2006

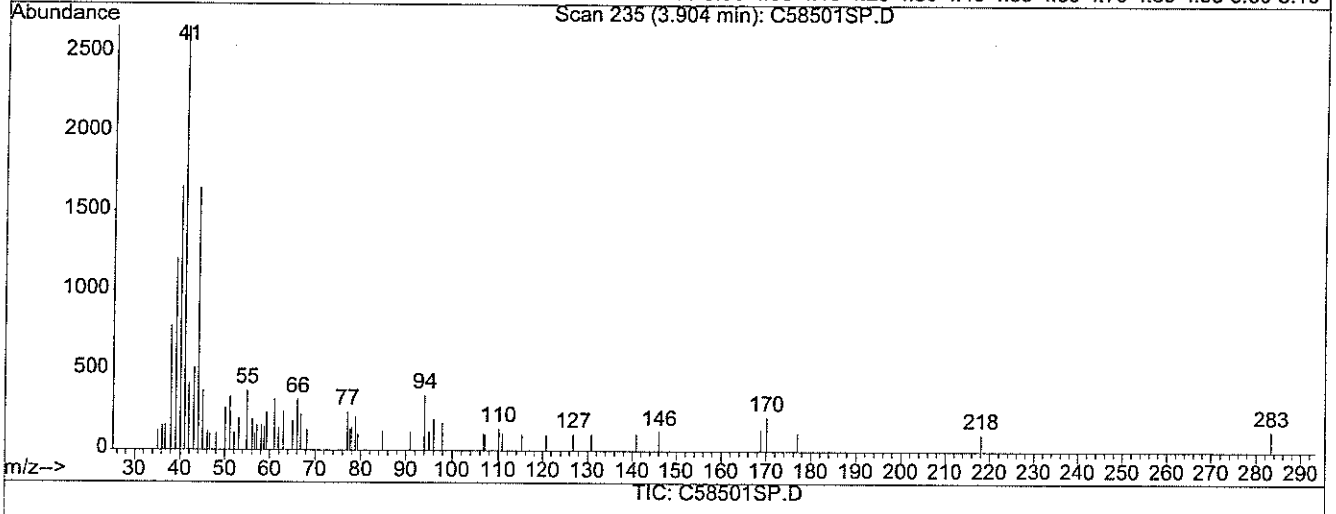
Vial: 5
Operator:
Inst : Instr_C
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Multiple Level Calibration

MT 4/25/06
missed peak

4-25-06





TIC: C58501SP.D

(7) t-Butyl alcohol (TBA) (TM)

3.90min 0.00ug/L

response 0

Ion	Exp%	Act%
59.00	100	0.00
57.00	11.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

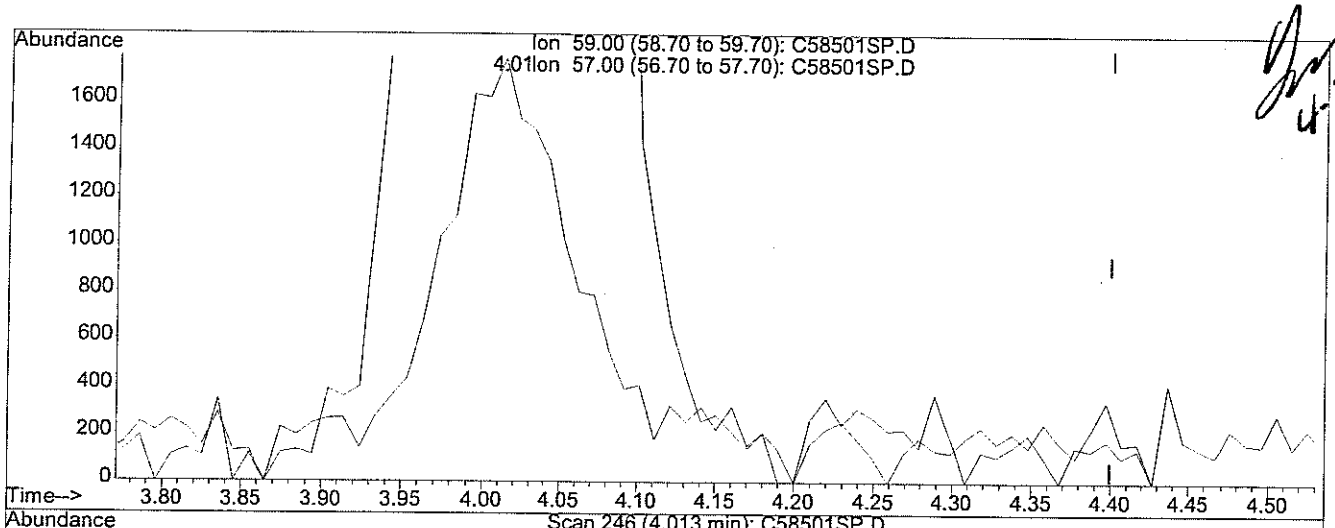
Data File : D:\HPCHEM\1\DATA\042406C\C58501SP.D
Acq On : 24 Apr 2006 3:51 pm
Sample : 56323-4,MS
Misc : 75,6.48,SOIL
MS Integration Params: rteint.p
Quant Time: Apr 25 8:04 2006

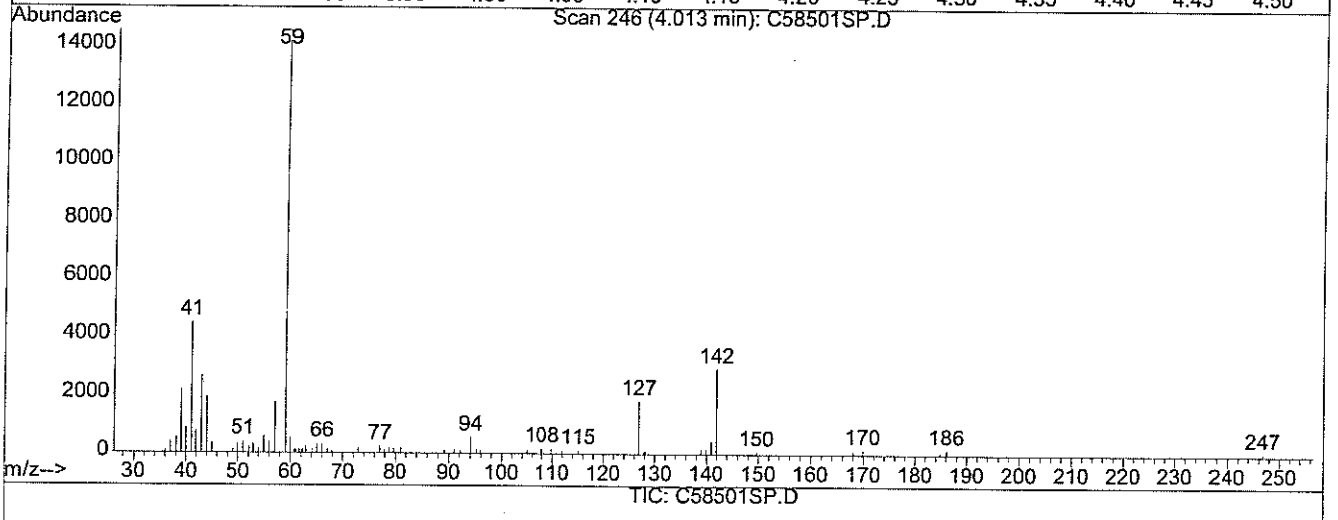
Vial: 5
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Multiple Level Calibration

MT 4/25/06





TIC: C58501SP.D

(7) t-Butyl alcohol (TBA) (TM)

4.01min 137.02ug/L m

response 84571

Ion	Exp%	Act%
59.00	100	100
57.00	11.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042406C\C58502SP.D Vial: 6
Acq On : 24 Apr 2006 4:24 pm Operator:
Sample : 56323-4,MSD Inst : Instr_C
Misc : 75,6.51,SOIL Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 25 8:04 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/25/06 4.25.06

$CF = \frac{25000}{(75)(6.51)(.8909)} = 56.96$

N=1710

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.99	168	231695	20.00 ug/L	-0.02
39) 1,4-Difluorobenzene	8.48	114	376736 ✓	20.00 ug/L	-0.01
63) *d5-Chlorobenzene	13.02	117	351729 ✓	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.74	152	175482	20.00 ug/L	0.00
System Monitoring Compounds					
28) DB Holder #28	7.87	65	159548	17.33 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	86.65% ✓	
36) d4-1,2-Dichloroethane	7.87	65	159548	17.33 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	86.65% ✓	
54) d8-Toluene	10.74	98	375542	17.81 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	89.05% ✓	
73) Bromofluorobenzene	14.89	95	156387	17.50 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	87.50% ✓	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.68	85	93466	11.96 ug/L	100
3) Chloromethane	1.94	50	182165	23.24 ug/L	96
4) Vinyl Chloride	2.00	62	152559	19.02 ug/L	99
5) Bromomethane	2.41	94	85708	20.65 ug/L	97
6) Chloroethane	2.50	64	91321	23.23 ug/L	98
7) t-Butyl alcohol (TBA)	4.01	59	87323m	145.18 ug/L	
8) Trichlorofluoromethane	2.80	101	327518	22.61 ug/L	98
9) Diethyl ether	3.26	74	58955	25.85 ug/L	97
10) 1,1,2-Trichlorotrifluoroet	3.37	101	137662	24.35 ug/L	97
12) Acetone	3.56	43	156545	77.85 ug/L	96
13) 1,1-Dichloroethene	3.61	96	108115	26.24 ug/L	94
14) Methyl iodide	4.06	142	214844	33.56 ug/L	99
15) Di-isopropyl ether (DIPE)	5.50	45	572325	28.16 ug/L	99
16) Methylene Chloride	4.39	84	121089	26.95 ug/L	97
17) Carbon Disulfide	4.33	76	369886	28.02 ug/L	100
18) Acrylonitrile	4.67	53	60918	31.99 ug/L	95
19) Methyl-tert-butyl ether (M	4.74	73	456160	29.31 ug/L	99
20) trans-1,2-Dichloroethene	4.87	61	277973	27.44 ug/L	96
21) 1,1-Dichloroethane	5.57	63	319093	27.61 ug/L	98
23) Methyl ethyl ketone	6.33	72	38367	78.04 ug/L	97
24) Ethyl t-butyl ether (ETBE)	6.15	59	563762	29.61 ug/L	100
25) 2,2-Dichloropropane	6.45	77	245475	27.64 ug/L	98
26) cis-1,2-Dichloroethene	6.53	96	185026	28.17 ug/L	98
27) t-Amyl methyl ether (TAME)	7.87	73	405407	30.44 ug/L	98
29) Chloroform	6.78	83	311159	28.54 ug/L	93
30) Bromochloromethane	7.01	128	100767	28.93 ug/L	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042406C\C58502SP.D Vial: 6
Acq On : 24 Apr 2006 4:24 pm Operator:
Sample : 56323-4,MSD Inst : Instr_C
Misc : 75,6.51,SOIL Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 25 8:04 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31) Tetrahydrofuran	7.14	71	16712	31.45 ug/L	90
32) 1,1,1-Trichloroethane	7.38	97	278938	28.12 ug/L	97
34) 1,1-Dichloropropene	7.62	75	220561	27.94 ug/L	97
35) Carbon Tetrachloride	7.74	119	242035	29.58 ug/L	99
37) 1,2-Dichloroethane	8.01	62	305525	28.39 ug/L	100
38) Benzene	8.01	78	521272	27.72 ug/L	99
40) Trichloroethene	8.95	95	188423	28.44 ug/L	97
41) 1,2-Dichloropropane	9.21	63	175312	28.11 ug/L	100
42) Methylmethacrylate	9.37	69	107941	27.96 ug/L	98
43) Methyl acetate	4.24	43	7375	1.30 ug/L #	77
45) Bromodichloromethane	9.56	83	233166	28.61 ug/L	97
46) Dibromomethane	9.62	93	141250	29.66 ug/L	93
47) 1,4-Dioxane	9.66	88	46427	787.88 ug/L	98
51) 2-Hexanone	11.44	58	157931	76.04 ug/L	97
52) Methyl isobutyl ketone	10.14	58	166572	77.78 ug/L	98
53) cis-1,3-Dichloropropene	10.39	75	268660	28.97 ug/L	98
55) Toluene	10.86	92	369388	29.56 ug/L	100
56) trans-1,3-Dichloropropene	11.15	75	252729	28.63 ug/L	100
58) 1,1,2-Trichloroethane	11.37	83	120130	29.24 ug/L	92
59) 1,3-Dichloropropane	11.76	76	241685	30.09 ug/L	97
60) Tetrachloroethene	11.84	166	224769	27.97 ug/L	98
61) Dibromochloromethane	12.12	129	204509	29.53 ug/L	100
62) 1,2-Dibromoethane	12.43	107	212284	30.51 ug/L	97
64) Chlorobenzene	13.07	112	508937	28.70 ug/L	98
65) 1,1,1,2-Tetrachloroethane	13.15	131	181722	28.90 ug/L	96
66) Ethylbenzene	13.17	91	736800	28.75 ug/L	100
67) m,p-Xylene	13.29	106	576486	56.12 ug/L	95
68) o-Xylene	13.96	106	286456	28.81 ug/L	98
69) Styrene	14.01	104	497455	28.45 ug/L	96
70) Bromoform	14.49	173	161305	29.56 ug/L	100
71) Isopropylbenzene	14.52	105	755248	28.62 ug/L	99
72) 1,1,2,2-Tetrachloroethane	14.78	83	191538	27.77 ug/L	99
74) 1,2,3-Trichloropropane	15.01	75	146355	28.56 ug/L	97
75) trans-1,4-Dichloro-2-buten	15.14	89	62032	29.07 ug/L #	76
76) n-Propylbenzene	15.14	91	878534	29.74 ug/L	98
77) Bromobenzene	15.17	156	219585	28.90 ug/L	92
78) 1,3,5-Trimethylbenzene	15.39	105	617701	28.37 ug/L	100
79) 2-Chlorotoluene	15.39	91	561440	27.57 ug/L	100
80) 4-Chlorotoluene	15.47	91	534029	28.56 ug/L	97
81) tert-butylbenzene	15.95	119	553382	28.75 ug/L	100
82) 1,2,4-Trimethylbenzene	16.01	105	634136	28.64 ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042406C\C58502SP.D Vial: 6
Acq On : 24 Apr 2006 4:24 pm Operator:
Sample : 56323-4,MSD Inst : Instr_C
Misc : 75,6.51,SOIL Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 25 8:04 2006 Quant Results File: V804176C.RES

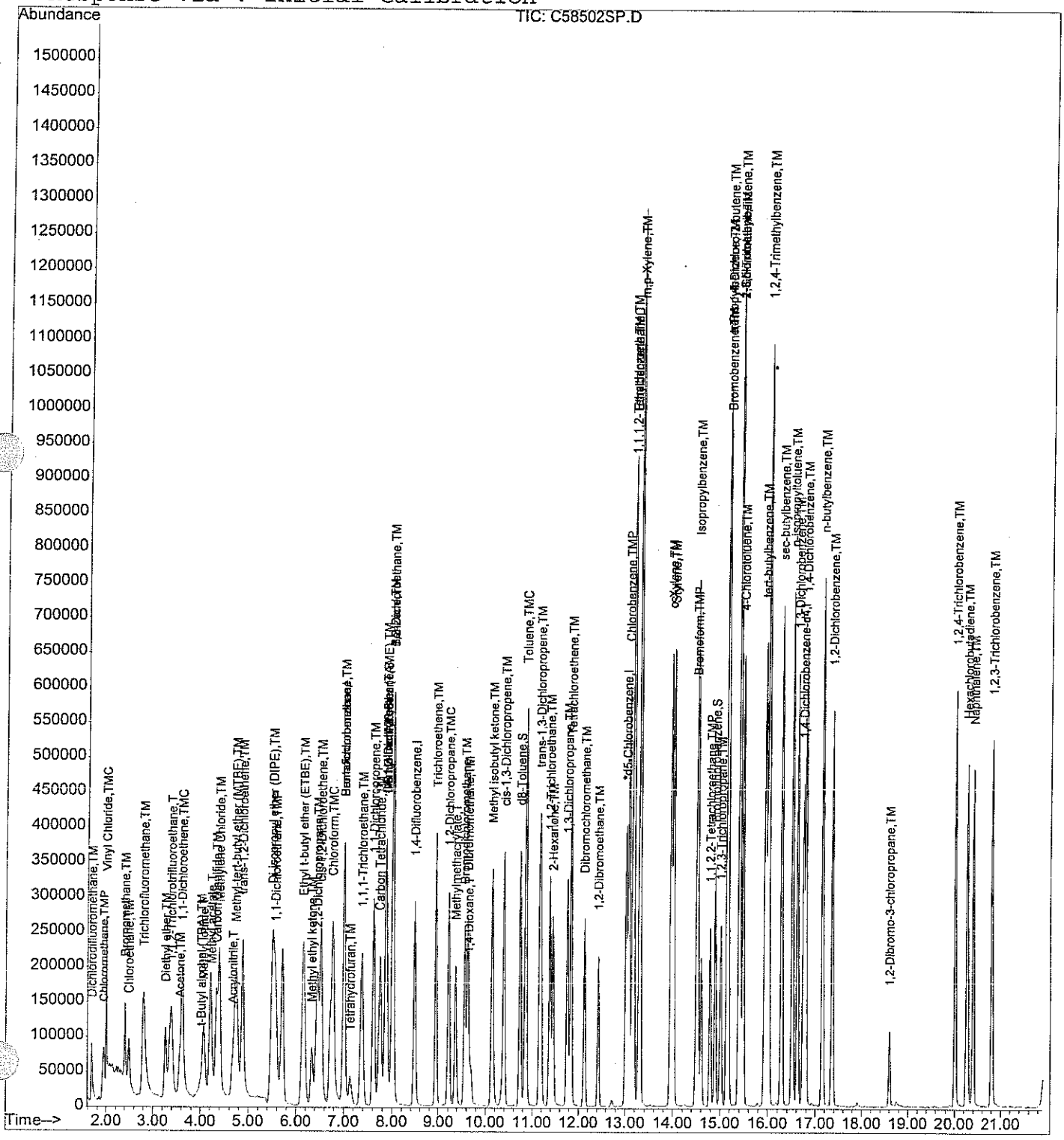
Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
84)	sec-butylbenzene	16.28	105	845647	28.52	ug/L	96
85)	p-isopropyltoluene	16.51	119	684684	28.76	ug/L	97
86)	1,3-Dichlorobenzene	16.62	146	365570	28.47	ug/L	98
88)	1,4-Dichlorobenzene	16.79	146	377397	28.78	ug/L	99
89)	n-butylbenzene	17.15	91	631980	28.76	ug/L	99
90)	1,2-Dichlorobenzene	17.36	146	344654	28.48	ug/L	99
92)	1,2-Dibromo-3-chloropropan	18.60	75	36927	28.57	ug/L	85
94)	1,2,4-Trichlorobenzene	20.01	180	301846	29.04	ug/L	98
95)	Hexachlorobutadiene	20.26	225	152818	28.77	ug/L	99
96)	Naphthalene	20.39	128	553537	29.19	ug/L	100
97)	1,2,3-Trichlorobenzene	20.81	180	260973	27.68	ug/L	97

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042406C\C58502SP.D Vial: 6
Acq On : 24 Apr 2006 4:24 pm Operator:
Sample : 56323-4,MSD Inst : Instr_C
Misc : 75,6.51,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 25 8:04 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration



Quantitation Report (Qedit)

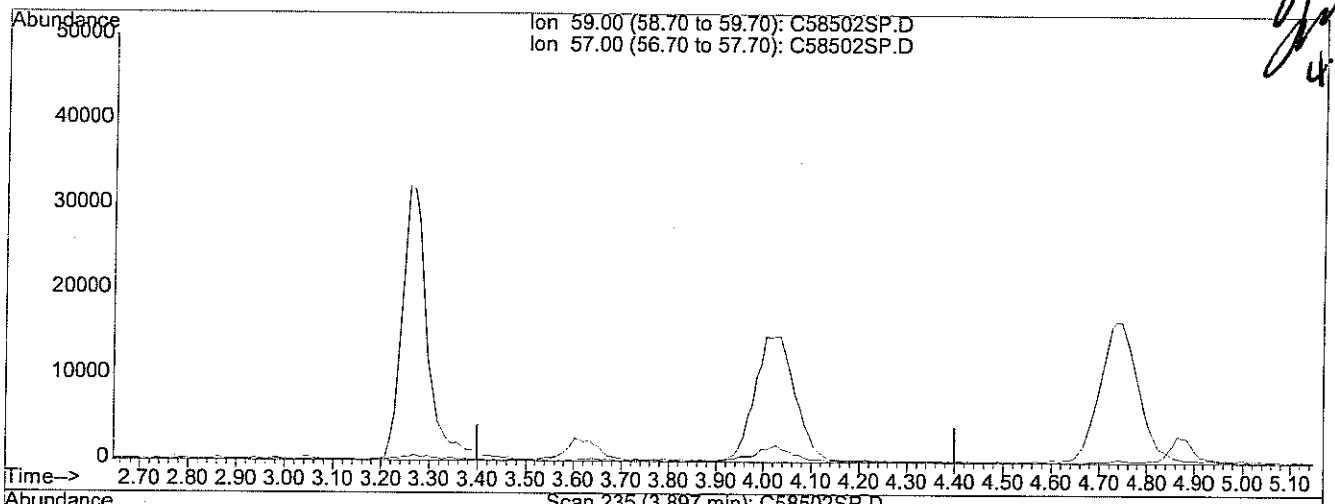
Data File : D:\HPCHEM\1\DATA\042406C\C58502SP.D
Acq On : 24 Apr 2006 4:24 pm
Sample : 56323-4,MSD
Misc : 75,6.51,SOIL
MS Integration Params: rteint.p
Quant Time: Apr 25 8:01 2006

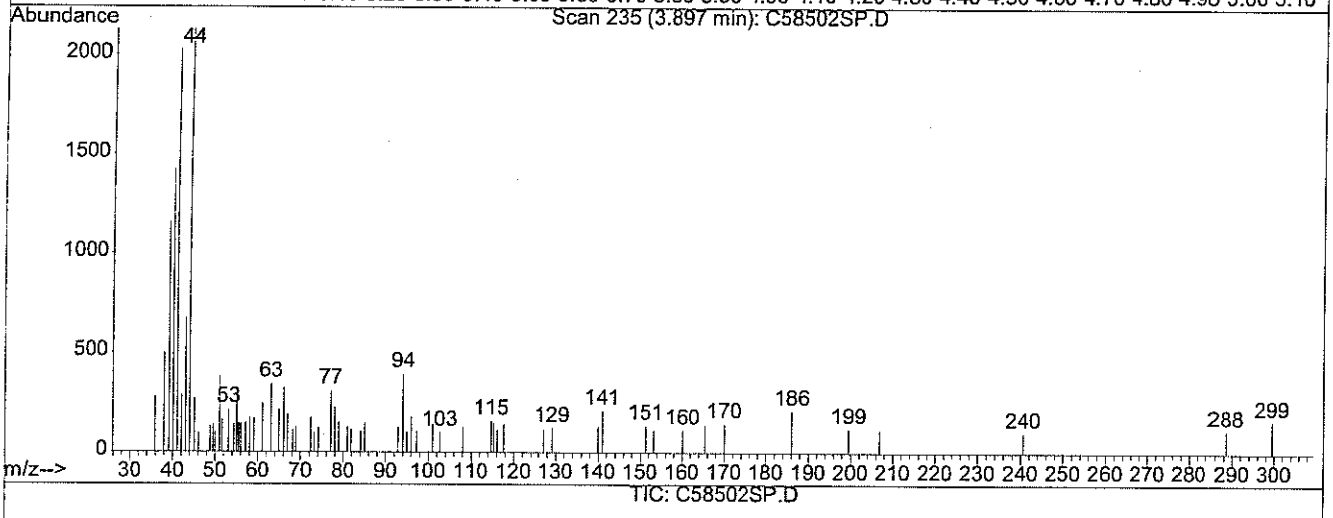
Vial: 6
Operator:
Inst : Instr_C
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Multiple Level Calibration

MT 4/25/06
missed peak

4.25.06





(7) t-Butyl alcohol (TBA) (TM)

3.90min 0.00ug/L

response 0

Ion	Exp%	Act%
59.00	100	0.00
57.00	11.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042406C\C58502SP.D
Acq On : 24 Apr 2006 4:24 pm
Sample : 56323-4,MSD
Misc : 75,6.51,SOIL
MS Integration Params: rteint.p
Quant Time: Apr 25 8:04 2006

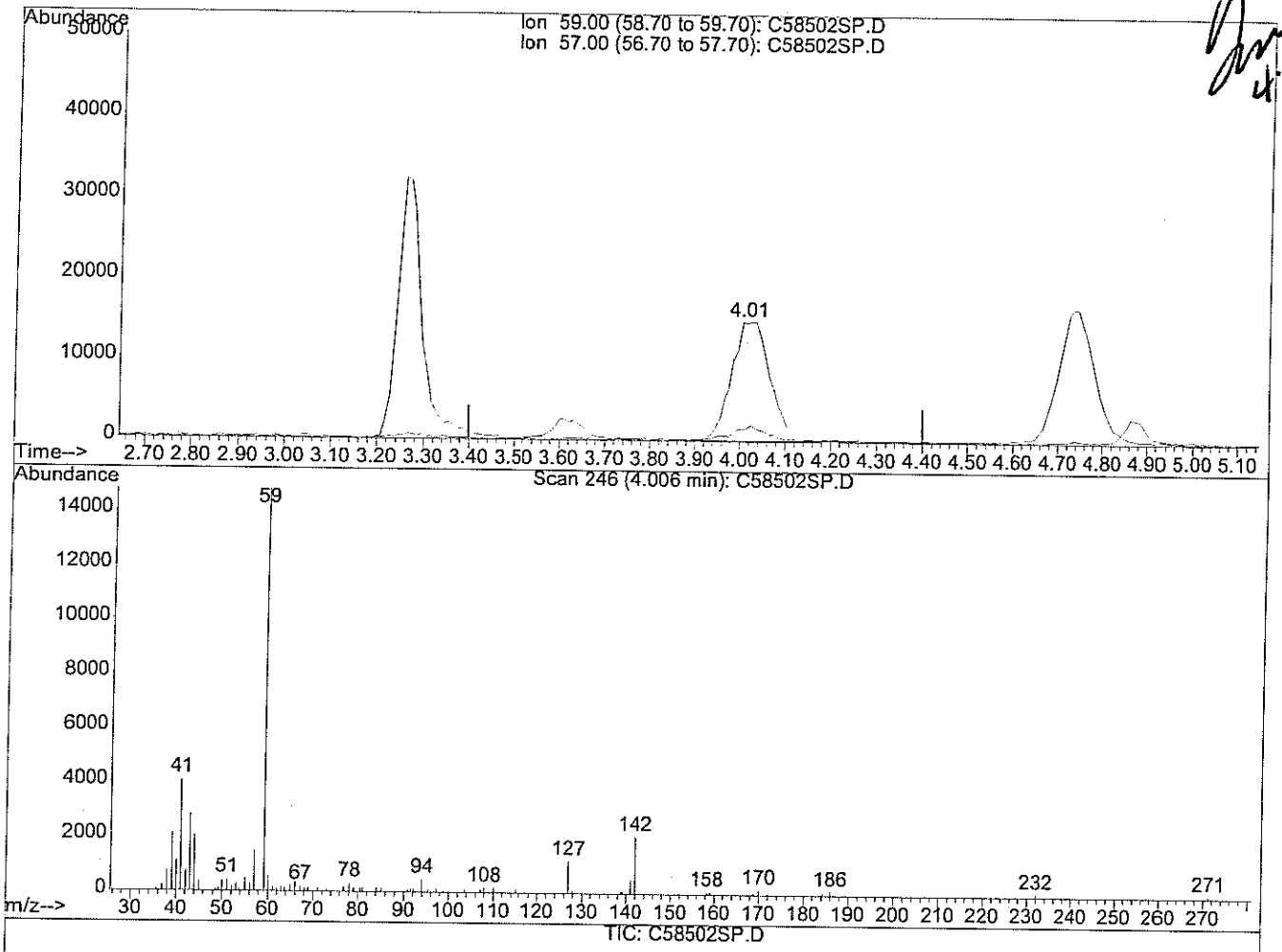
Vial: 6
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Multiple Level Calibration

MT 4/25/06

4/25/06



(7) t-Butyl alcohol (TBA) (TM)

4.01min 145.18ug/L m

response 87323

Ion	Exp%	Act%
59.00	100	100
57.00	11.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

VOLATILE ORGANIC

LABORATORY CONTROL SAMPLE

PERCENT RECOVERY

Project #: Quote #: SDG#: 56323

Site ID: Subbase Groton Site 7 Location: CT

Instrument ID: C

GC Column: RTX-502.2 ID: 0.25 (mm)

Heated Purge: (Y/N) N

Laboratory Control Sample ID: L804256C

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE AMT (ug/kg)	LCS CONC. (ug/kg)	LCSS REC %	#	QC Limits
Dichlorodifluoromethane	2000	U	1936	97	*	49-82
Chloromethane	2000	U	2252	113		75-125
Vinyl Chloride	2000	U	1794	90		75-125
Bromomethane	2000	U	2476	124		75-125
Chloroethane	2000	U	1900	95		75-125
t-Butyl alcohol (TBA)	10000	U	10530	105		60-140
Trichlorofluoromethane	2000	U	1939	97		75-125
Diethyl ether	2000	U	1836	92		75-125
Acetone	10000	U	10910	109		75-125
1,1-Dichloroethene	2000	U	2220	111		75-125
Di-isopropyl ether (DIPE)	2000	U	2107	105		75-125
Methylene Chloride	2000	U	2229	111		75-125
Carbon Disulfide	2000	U	2214	111		75-125
Methyl-tert-butyl ether (MTBE)	4000	U	4348	109		75-125
trans-1,2-Dichloroethene	2000	U	2059	103		75-125
1,1-Dichloroethane	2000	U	1991	100		75-125
Methyl ethyl ketone	10000	U	11432	114		60-140
Ethyl t-butyl ether (ETBE)	2000	U	2168	108		75-125
2,2-Dichloropropane	2000	U	2070	104		75-125
cis-1,2-Dichloroethene	2000	U	2242	112		75-125
t-Amyl methyl ether (TAME)	2000	U	2226	111		75-125
Chloroform	2000	U	2165	108		75-125
Bromochloromethane	2000	U	2130	107		75-125
Tetrahydrofuran	2000	U	2231	112		60-140
1,1,1-Trichloroethane	2000	U	2133	107		75-125
1,1-Dichloropropene	2000	U	2122	106		75-125
Carbon Tetrachloride	2000	U	2180	109		75-125
1,2-Dichloroethane	2000	U	2103	105		75-125
Benzene	2000	U	2065	103		75-125
Trichloroethene	2000	U	2108	105		75-125
1,2-Dichloropropane	2000	U	2041	102		75-125
Bromodichloromethane	2000	U	2201	110		75-125
Dibromomethane	2000	U	2196	110		75-125
2-Hexanone	10000	U	11490	115		75-125
Methyl isobutyl ketone	10000	U	11380	114		75-125
cis-1,3-Dichloropropene	2000	U	2096	105		75-125
Toluene	2000	U	2092	105		75-125
trans-1,3-Dichloropropene	2000	U	1978	99		75-125
1,1,2-Trichloroethane	2000	U	2172	109		75-125
1,3-Dichloropropane	2000	U	2186	109		75-125
Tetrachloroethene	2000	U	2041	102		75-125
Dibromochloromethane	2000	U	2215	111		75-125
1,2-Dibromoethane	2000	U	2172	109		75-125
Chlorobenzene	2000	U	2086	104		75-125
1,1,1,2-Tetrachloroethane	2000	U	2105	105		75-125
Ethylbenzene	2000	U	2072	104		75-125
m,p-Xylene	4000	U	4204	105		75-125

VOLATILE ORGANIC

LABORATORY CONTROL SAMPLE

PERCENT RECOVERY

Project #: Quote #: SDG#: 56323

Site ID: Subbase Groton Site 7 Location: CT

Instrument ID: C

GC Column: RTX-502.2 ID: 0.25 (mm)

Heated Purge: (Y/N) N

Laboratory Control Sample ID: L804256C

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE AMT (ug/kg)	LCS CONC. (ug/kg)	LCSS REC %	#	QC Limits
o-Xylene	2000	U	2096	105		75-125
Styrene	2000	U	2064	103		75-125
Bromoform	2000	U	2163	108		75-125
Isopropylbenzene	2000	U	1984	99		75-125
1,1,2,2-Tetrachloroethane	2000	U	2164	108		75-125
1,2,3-Trichloropropane	2000	U	2172	109		75-125
n-Propylbenzene	2000	U	2295	115		75-125
Bromobenzene	2000	U	2151	108		75-125
1,3,5-Trimethylbenzene	2000	U	2086	104		75-125
2-Chlorotoluene	2000	U	2137	107		75-125
4-Chlorotoluene	2000	U	2105	105		75-125
tert-butylbenzene	2000	U	2132	107		75-125
1,2,4-Trimethylbenzene	2000	U	2073	104		75-125
sec-butylbenzene	2000	U	2121	106		75-125
p-isopropyltoluene	2000	U	1985	99		75-125
1,3-Dichlorobenzene	2000	U	2052	103		75-125
1,4-Dichlorobenzene	2000	U	2127	106		75-125
n-butylbenzene	2000	U	2109	105		75-125
1,2-Dichlorobenzene	2000	U	2085	104		75-125
1,2-Dibromo-3-chloropropane	2000	U	2162	108		75-125
1,2,4-Trichlorobenzene	2000	U	2138	107		75-125
Hexachlorobutadiene	2000	U	2166	108		75-125
Naphthalene	2000	U	2138	107		75-125
1,2,3-Trichlorobenzene	2000	U	2110	105		75-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 1 out of 71 outside limits

Comments: _____

_____

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042506C\C58539Q.D Vial: 7
Acq On : 25 Apr 2006 11:33 am Operator:
Sample : L804256C Inst : Instr_C
Misc : 5000,,W/ 50UL MEOH Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 25 12:04 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/26/06 4/26/06 SL ✓

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.00	168	229902	20.00	ug/L	-0.01
39) 1,4-Difluorobenzene	8.49	114	380751	20.00	ug/L	0.00
63) *d5-Chlorobenzene	13.02	117	344684 ✓	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.75	152	175004	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.87	65	175537	19.21	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 96.05% ✓			
36) d4-1,2-Dichloroethane	7.87	65	175537	19.21	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 96.05% ✓			
54) d8-Toluene	10.75	98	426688	20.03	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.15% ✓			
73) Bromofluorobenzene	14.90	95	171828	19.62	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.10% ✓			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.69	85	150088	19.36	ug/L	98
3) Chloromethane	1.94	50	175147	22.52	ug/L	98
4) Vinyl Chloride	2.01	62	142778	17.94	ug/L	100
5) Bromomethane	2.43	94	101962	24.76	ug/L	96
6) Chloroethane	2.53	64	74101	19.00	ug/L	94
7) t-Butyl alcohol (TBA)	3.97	59	62845	105.30	ug/L	95
8) Trichlorofluoromethane	2.83	101	278632	19.39	ug/L	96
9) Diethyl ether	3.27	74	41543	18.36	ug/L	98
10) 1,1,2-Trichlorotrifluoroet	3.40	101	121720	21.69	ug/L	99
11) Acrolein	3.42	56	53438	107.61	ug/L	99
12) Acetone	3.55	43	217674	109.10	ug/L	100
13) 1,1-Dichloroethene	3.65	96	90770	22.20	ug/L	97
14) Methyl iodide	4.09	142	137066	21.58	ug/L	100
15) Di-isopropyl ether (DIPE)	5.51	45	424969	21.07	ug/L	99
16) Methylene Chloride	4.41	84	99362	22.29	ug/L	98
17) Carbon Disulfide	4.36	76	290040	22.14	ug/L	100
18) Acrylonitrile	4.67	53	49845	26.38	ug/L	89
19) Methyl-tert-butyl ether (M	4.74	73	671454	43.48	ug/L	99
20) trans-1,2-Dichloroethene	4.88	61	206993	20.59	ug/L	97
21) 1,1-Dichloroethane	5.58	63	228249	19.91	ug/L	98
22) Vinyl acetate	5.64	43	248705	25.99	ug/L	98
23) Methyl ethyl ketone	6.33	72	55767	114.32	ug/L	99
24) Ethyl t-butyl ether (ETBE)	6.15	59	409553	21.68	ug/L	99
25) 2,2-Dichloropropane	6.46	77	182441	20.70	ug/L	96
26) cis-1,2-Dichloroethene	6.54	96	146080	22.42	ug/L	96
27) t-Amyl methyl ether (TAME)	7.88	73	294197	22.26	ug/L	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042506C\C58539Q.D Vial: 7
Acq On : 25 Apr 2006 11:33 am Operator:
Sample : L804256C Inst : Instr_C
Misc : 5000,,W/ 50UL MEOH Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 25 12:04 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
29)	Chloroform	6.79	83	234234	21.65	ug/L		95
30)	Bromochloromethane	7.02	128	73615	21.30	ug/L		97
31)	Tetrahydrofuran	7.13	71	11766	22.31	ug/L		83
32)	1,1,1-Trichloroethane	7.38	97	209936	21.33	ug/L		98
34)	1,1-Dichloropropene	7.62	75	166168	21.22	ug/L		99
35)	Carbon Tetrachloride	7.76	119	177025	21.80	ug/L		98
37)	1,2-Dichloroethane	8.01	62	224557	21.03	ug/L		99
38)	Benzene	8.02	78	385223	20.65	ug/L		100
40)	Trichloroethene	8.96	95	141144	21.08	ug/L		100
41)	1,2-Dichloropropane	9.22	63	128643	20.41	ug/L		97
42)	Methylmethacrylate	9.38	69	79857	20.47	ug/L		97
43)	Methyl acetate	4.23	43	22414	3.90	ug/L	#	84
44)	Cyclohexane	7.44	56	264057	25.90	ug/L	#	53
45)	Bromodichloromethane	9.57	83	181286	22.01	ug/L		98
46)	Dibromomethane	9.63	93	105734	21.96	ug/L		93
47)	1,4-Dioxane	9.66	88	30424	510.86	ug/L		100
50)	2-Chloroethylvinyl ether	10.08	63	94455	50.64	ug/L		100
51)	2-Hexanone	11.44	58	241184	114.90	ug/L		96
52)	Methyl isobutyl ketone	10.14	58	246329	113.80	ug/L		99
53)	cis-1,3-Dichloropropene	10.40	75	196511	20.96	ug/L		97
55)	Toluene	10.86	92	264241	20.92	ug/L		99
56)	trans-1,3-Dichloropropene	11.15	75	176473	19.78	ug/L		98
58)	1,1,2-Trichloroethane	11.38	83	90184	21.72	ug/L		94
59)	1,3-Dichloropropane	11.77	76	177481	21.86	ug/L		99
60)	Tetrachloroethene	11.85	166	165737	20.41	ug/L		97
61)	Dibromochloromethane	12.13	129	155057	22.15	ug/L		98
62)	1,2-Dibromoethane	12.43	107	152720	21.72	ug/L		95
64)	Chlorobenzene	13.08	112	362528	20.86	ug/L		99
65)	1,1,1,2-Tetrachloroethane	13.16	131	129743	21.05	ug/L		96
66)	Ethylbenzene	13.18	91	520406	20.72	ug/L		100
67)	m,p-Xylene	13.29	106	423272	42.04	ug/L		98
68)	o-Xylene	13.97	106	204259	20.96	ug/L		100
69)	Styrene	14.01	104	353628	20.64	ug/L		99
70)	Bromoform	14.50	173	115680	21.63	ug/L		96
71)	Isopropylbenzene	14.53	105	513067	19.84	ug/L		100
72)	1,1,2,2-Tetrachloroethane	14.79	83	146285	21.64	ug/L		96
74)	1,2,3-Trichloropropane	15.01	75	109079	21.72	ug/L		98
75)	trans-1,4-Dichloro-2-buten	15.14	89	46181	22.08	ug/L	#	75
76)	n-Propylbenzene	15.15	91	664459	22.95	ug/L		99
77)	Bromobenzene	15.18	156	160158	21.51	ug/L		96
78)	1,3,5-Trimethylbenzene	15.40	105	445032	20.86	ug/L		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042506C\C58539Q.D Vial: 7
Acq On : 25 Apr 2006 11:33 am Operator:
Sample : L804256C Inst : Instr_C
Misc : 5000,,W/ 50UL MEOH Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 25 12:04 2006 Quant Results File: V804176C.RES

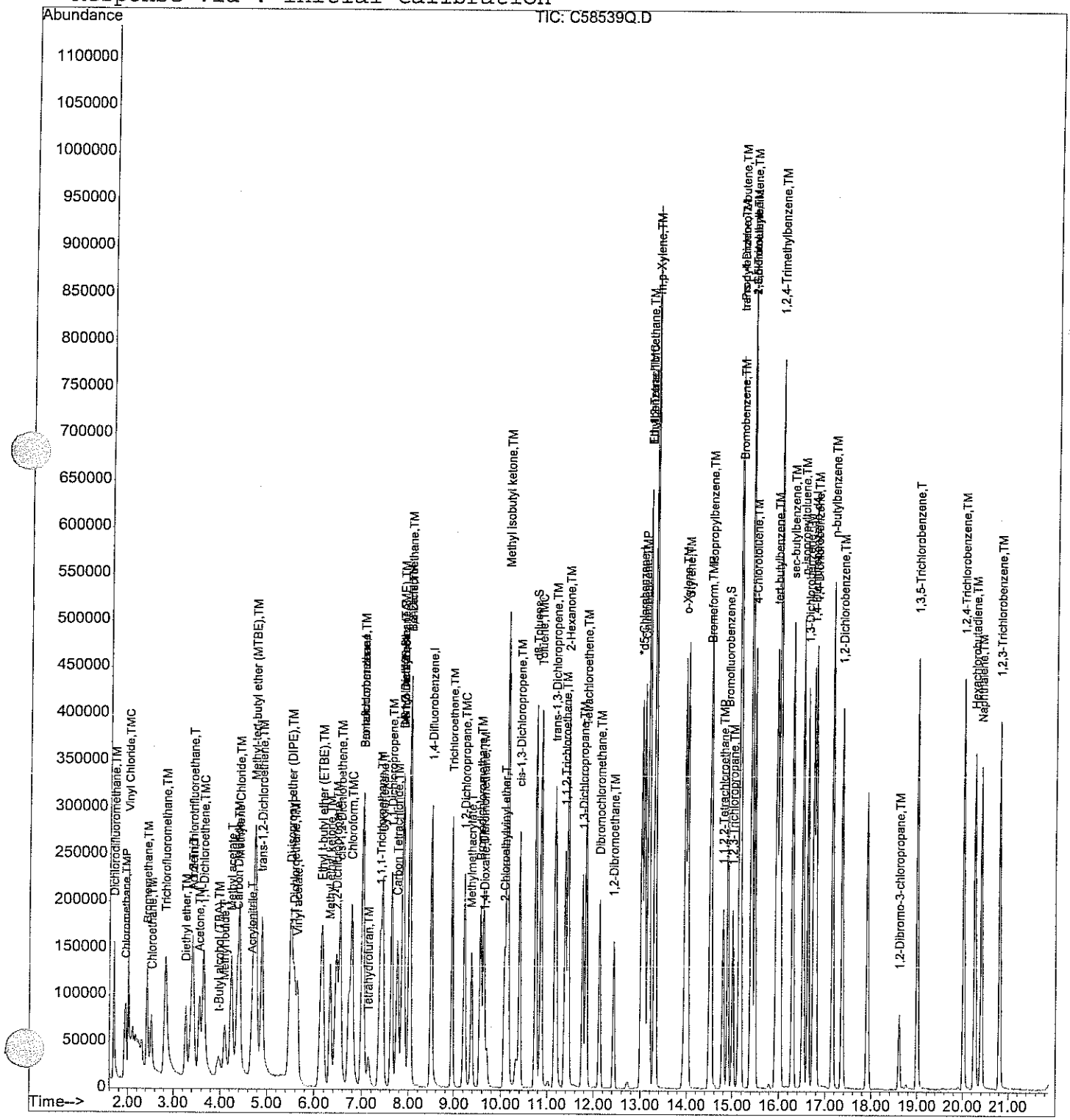
Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
79)	2-Chlorotoluene	15.40	91	426321	21.37	ug/L	98
80)	4-Chlorotoluene	15.48	91	385610	21.05	ug/L	99
81)	tert-butylbenzene	15.95	119	402039	21.31	ug/L	96
82)	1,2,4-Trimethylbenzene	16.01	105	449938	20.73	ug/L	100
84)	sec-butylbenzene	16.28	105	616289	21.21	ug/L	100
85)	p-isopropyltoluene	16.51	119	463027	19.85	ug/L	99
86)	1,3-Dichlorobenzene	16.62	146	258187	20.52	ug/L	98
88)	1,4-Dichlorobenzene	16.80	146	278077	21.27	ug/L	97
89)	n-butylbenzene	17.16	91	462053	21.09	ug/L	98
90)	1,2-Dichlorobenzene	17.37	146	251705	20.85	ug/L	99
92)	1,2-Dibromo-3-chloropropan	18.61	75	27867	21.62	ug/L	90
94)	1,2,4-Trichlorobenzene	20.01	180	221638	21.38	ug/L	100
95)	Hexachlorobutadiene	20.27	225	114737	21.66	ug/L	99
96)	Naphthalene	20.39	128	404291	21.38	ug/L	100
97)	1,2,3-Trichlorobenzene	20.81	180	198407	21.10	ug/L	98
98)	1,3,5-Trichlorobenzene	19.00	180	234236	20.11	ug/L	100

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042506C\C58539Q.D Vial: 7
Acq On : 25 Apr 2006 11:33 am Operator:
Sample : L804256C Inst : Instr_C
Misc : 5000,,W/ 50UL MEOH Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 25 12:04 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration



SS only V5959 Exp: 5/1/06
IS only V5960 Exp: 5/1/06
SS+IS V5957 Exp: 4/28/06

GC/MS Volatiles Instrument: C

041706-C

Voltage 1906
Threshold 100

Tube	Method	Sample	Vol	DF	Comments	File #	LB	pH
		W-C-041706-1-MT						
1	V804176C	BFB 50ng 2ml V5942	5ml		✓	C58352T	MT	NA
2		0.2 ppb .05ml V5954 V5949				53si		
3		1 ppb .25ml			✓	54si		
4		2 ppb .50ml			Poor chromatography - RR	55si		
5		5 ppb 1.25ml			✓	56si		
6		20 ppb 5ml			✓ Avg % RSD 1.88%	57si		
7		50 ppb 12.5ml			✓	58si		
8		100 ppb 25ml			✓	59si		
9		Blank				60		
10		2 ppb .50ml V5954 V5949			✓	61si		
11		L804176C 5ml V5955 V5938			✓BM ↑	62Q		
12		L804176C2			✓BM still ↑	63Q		
13		Bromoform 5ml V5943			✓	64		
14		B804176C			✓	65B		
15		56232-12			✓	66		<2
16		56240-5			✓	67		<2
1		-1			✓	68		<2
2		-2			✓	69		<2
3		-3			✓	70		<2
4		-3, MS			✓ } All ok	71sp		<2
5		-3, MSD			✓	72sp		<2
6		-4	1ml		✓ ~~RR 5ml~~	73		<2
8	W-C-041706-2-AVR	BFB 50ng 2ml V5942	5ml		✓	74T	AVR	NA
9		20 ppb 5ml V5954 V5949			✓	75C		
10		B804176C2			✓	76B		
11		L804176C3			Many high failures	77Q		
12		L804176C4			↑ Bromomethane + ↑ Acrolein	78Q		
13		56242-10			✓	79		<2
14		-11			✓	80		<2
15		-12			✓	81		<2

Revision: 04/30/02

GC/MS Volatiles Instrument: C

IS only V5960 Exp: 5/11/02

SS+IS V5957 Exp: 4/28/02

042406-C

Voltage 1906

Threshold 100

Tube	Method	Sample	Vol	DF	Comments	File #	LB	pH
		W-C-042406-1-MT						
10	V8041AC	BFB 50ng 2ul V5942	5mL		✓	C58490T	MT	NA
11		20ppb 5ul V5962 V5949	⊥		✓	91C		
12		1S042406C	50ml 5mL		✓ VC Marg	92		
13		1S042406C2	⊥		✓ VC Marg.	93		
14		Bromoform 5ul V5943	5mL		✓	94		
15		MB042406C	50ml 5mL		✓	95B		⊥
16		56323-13	15ml 5mL		✓ T.B.	9C		
1		-1	⊥		✓ 6.89	97		
2		-2			✓ 7.78	98		
3		-3			✓ 7.88	99		
4		-4			✓ 6.08	C58500		
5		-4 MS			✓ VC ↓ in both DCBFM more in both 6.48	01SP		
6		-4 MSD			✓ BM Marg in MSD All else OK 6.51	02SP		
7		-5			RR 75ml 50? 6.40	03		
8		-6			✓ MT 4/28/02. 5.83	04		
9		-7			✓ 6.9	05		
10		-8			RR 75ml 5.94	06		
11		-9			✓ 6.08	07		
12		-10			✓ 4.97	08		
13		-11			✓ 6.44	09		
14		-12	⊥		✓ 6.18	10		
15		~~-13~~ 56216-1	50ml 5mL		✓ 13.07	11	⊥	⊥
16	W-C-042406-2-MT	BFB 50ng 2ul V5942	5mL		✓	12T	MT	NA
1		20ppb			fails	13C		
1		20ppb			✓	14C		
2		BS042406C2			✓	15B		
3		CS042406C3			Many high failures	16Q		
4		CS042406C4	↓		↑ Bromomethane, ↑ Vinyl Acetate	17Q		↓
5	↓	56281-4 T.B.	5mL		↑ MeCl2 RR	18		12
6		56293-8 T.B.	⊥		✓	19	↓	12

10:13

GC/MS Volatiles Instrument: C

IS only V5960 Exp: 5/1/06
SS+IS V5957 Exp: 4/28/06
Voltage 1906
Threshold 100

042506-C

Tube	Method	Sample	Vol	DF	Comments	File #	LB	pH	
		w-c-042506-1-MT							
5	V8041706C	BFB 50ng 2ul V5942	5mL		✓	C585371	MT	NA	10:44
6		70ppb 8ul V5967 V5944			✓	385			
7		L8042506C 5ul V5963 V5969			✓ Mag↑ BM, Acryl. w/5ml MeOH	392			
8		Bromoform 5ul V5943			✓	40			
9		B804256C			✓ w/5ml MeOH	41B			
10		56323-5	5mL/5mL		✓ 6.40	42			
11		-8			✓ 5.94	43			
12		56296-3	5mL		✓	44		<2	
13		56244-2			✓	45		<2	
14		~~56296-1~~ 56313-1			✓	46		<2	
15		56296-1			✓	47		<2	
16		562441	500		RR 5mL	48		<2	
1		56293-4	100ml		✓	49		<2	4:23
2		-6	5mL		✓	50		<2	
3		-6			✓	51		<2	
4		-7			✓	52		<2	
5		56247-1			✓	53		<2	
6		56296-1	250ml		RR 5mL	54		<2	
7		-2	50ml		✓	55		<2	
8		56321-1	5mL		✓	56		<2	
9		-2	250ml		RR 5mL	57		<2	
10		56281-3	5mL		✓	58		<2	
11		56299-1	250ml		RR 5mL	59		6	
12		-2			RR 5mL	60		6	
13		56244-1	5mL		✓ ~~from prior~~	61		<2	

MT 4/26/06

Revision: 04/30/02

analytics environmental laboratory LLC

VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Project #: Quote #: SDG#: 56323

BFB File ID: C58352T.D Site ID: Subbase Groton Site 7 Location: CT

Instrument ID: C BFB Injection Date: 4/17/06

GC Column: RTX-502.2 ID: 0.25(mm) BFB Injection Time: 1130

Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	25.5
75	30.0 - 60.0% of mass 95	52.3
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.0 (0.2)1
174	Greater than 50% of mass 95	96.5
175	5.0 - 9.0% of mass 174	7.6 (7.9)1
176	>95.0 - <101.0% of mass 174	92.7 (96.1)1
177	5.0 - 9.0% of mass 176	6.0 (6.5)2

1-Value is % mass 174 2-Value is % mass 176

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	0.2 PPB	0.2 PPB	C58353SI.D	04/17/06	11:56
02	1 PPB	1 PPB	C58354SI.D	04/17/06	12:21
03	ZZZZZ	ZZZZZ	C58355SI.D	04/17/06	12:56
04	5 PPB	5 PPB	C58356SI.D	04/17/06	13:11
05	20 PPB	20 PPB	C58357SI.D	04/17/06	13:44
06	50 PPB	50 PPB	C58358SI.D	04/17/06	14:24
07	100 PPB	100 PPB	C58359SI.D	04/17/06	14:24
08	ZZZZZ	ZZZZZ	C58360.D	04/17/06	15:20
09	2 PPB	2 PPB	C58361SI.D	04/17/06	15:34
10	ZZZZZ	ZZZZZ	C58362Q.D	04/17/06	16:15
11	ZZZZZ	ZZZZZ	C58363Q.D	04/17/06	16:22
12	ZZZZZ	ZZZZZ	C58364.D	04/17/06	16:55
13	ZZZZZ	ZZZZZ	C58365B.D	04/17/06	17:32
14	ZZZZZ	ZZZZZ	C58366.D	04/17/06	18:05
15	ZZZZZ	ZZZZZ	C58367.D	04/17/06	18:38
16	ZZZZZ	ZZZZZ	C58368.D	04/17/06	18:41
17	ZZZZZ	ZZZZZ	C58369.D	04/17/06	19:14
18	ZZZZZ	ZZZZZ	C58370.D	04/17/06	19:50
19	ZZZZZ	ZZZZZ	C58371SP.D	04/17/06	20:33
20	ZZZZZ	ZZZZZ	C58372SP.D	04/17/06	21:06
21	ZZZZZ	ZZZZZ	C58373.D	04/17/06	21:06
22					
23					
24					

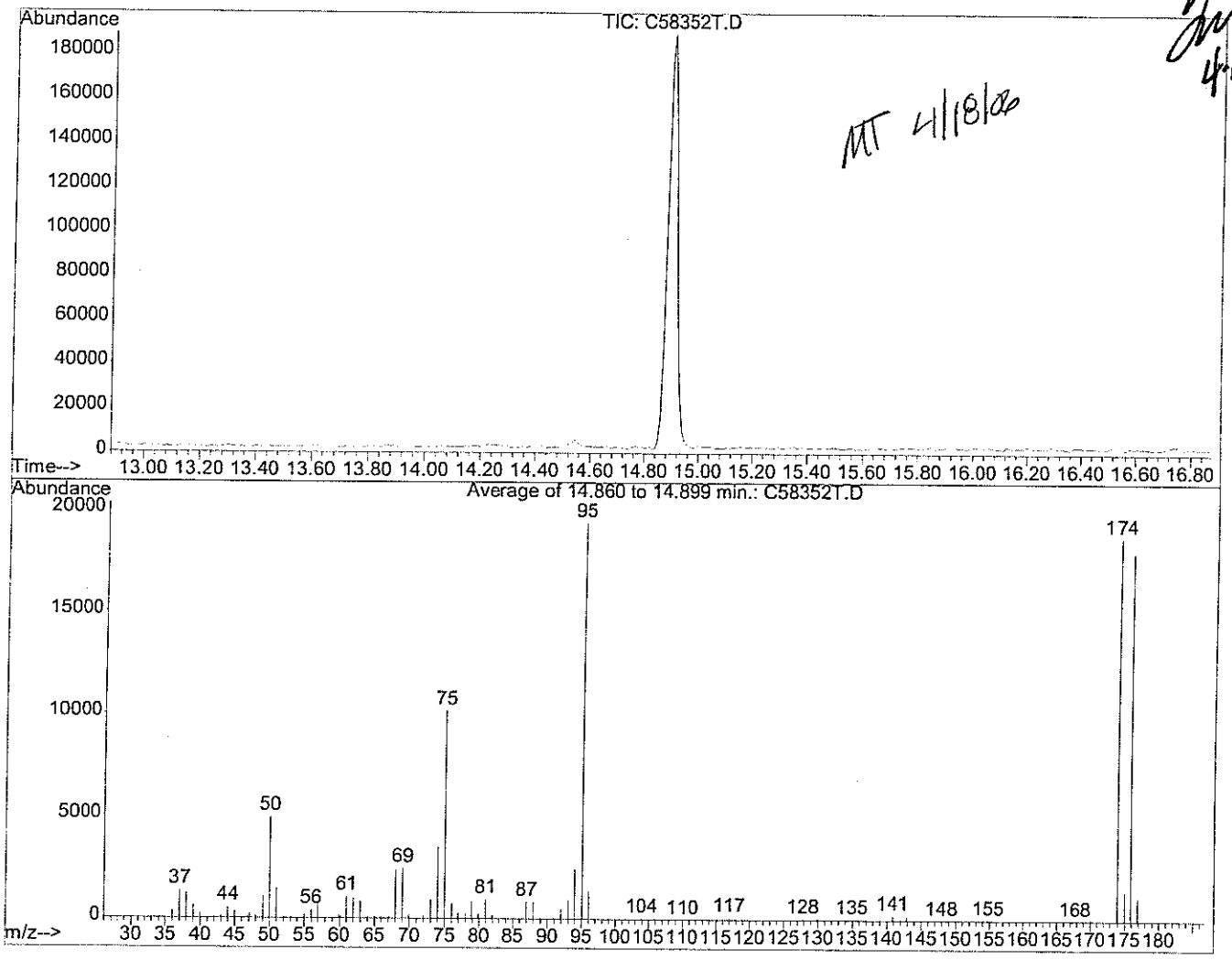
BFB

Data File : D:\HPCHEM\1\DATA\041706C\C58352T.D
Acq On : 17 Apr 2006 11:30 am
Sample : BFB 50NG
Misc : 5000
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics

Vial: 1
Operator:
Inst : Instr_C
Multiplr: 1.00

4-18-06

MT 4/18/06



Spectrum Information: Average of 14.860 to 14.899 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.5	4956	PASS
75	95	30	60	52.3	10150	PASS
95	95	100	100	100.0	19399	PASS
96	95	5	9	7.1	1368	PASS
173	174	0.00	2	0.2	32	PASS
174	95	50	100	96.5	18721	PASS
175	174	5	9	7.9	1470	PASS
176	174	95	101	96.1	17992	PASS
177	176	5	9	6.5	1173	PASS

C58352T.D V804176C.M Mon Apr 17 13:51:21 2006

VOLATILE ORGAN
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Project #: | Quote #: | SDG#: 56323

BFB File ID: C58490T.D | Site ID: Subbase Groton Site 7 | Location: CT

Instrument ID: C | BFB Injection Date: 4/24/06

GC Column: RTX-502.2 | ID: 0.25(mm) | BFB Injection Time: 1031

Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.6
75	30.0 - 60.0% of mass 95	49.2
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50% of m	98.4
175	5.0 - 9.0% of mass 174	7.2 (7.3)1
176	>95.0 - <101.0% of mass 174	97.6 (99.1)1
177	5.0 - 9.0% of mass 176	6.6 (6.7)2

1-Value is % mass 174 2-Value is % mass 176

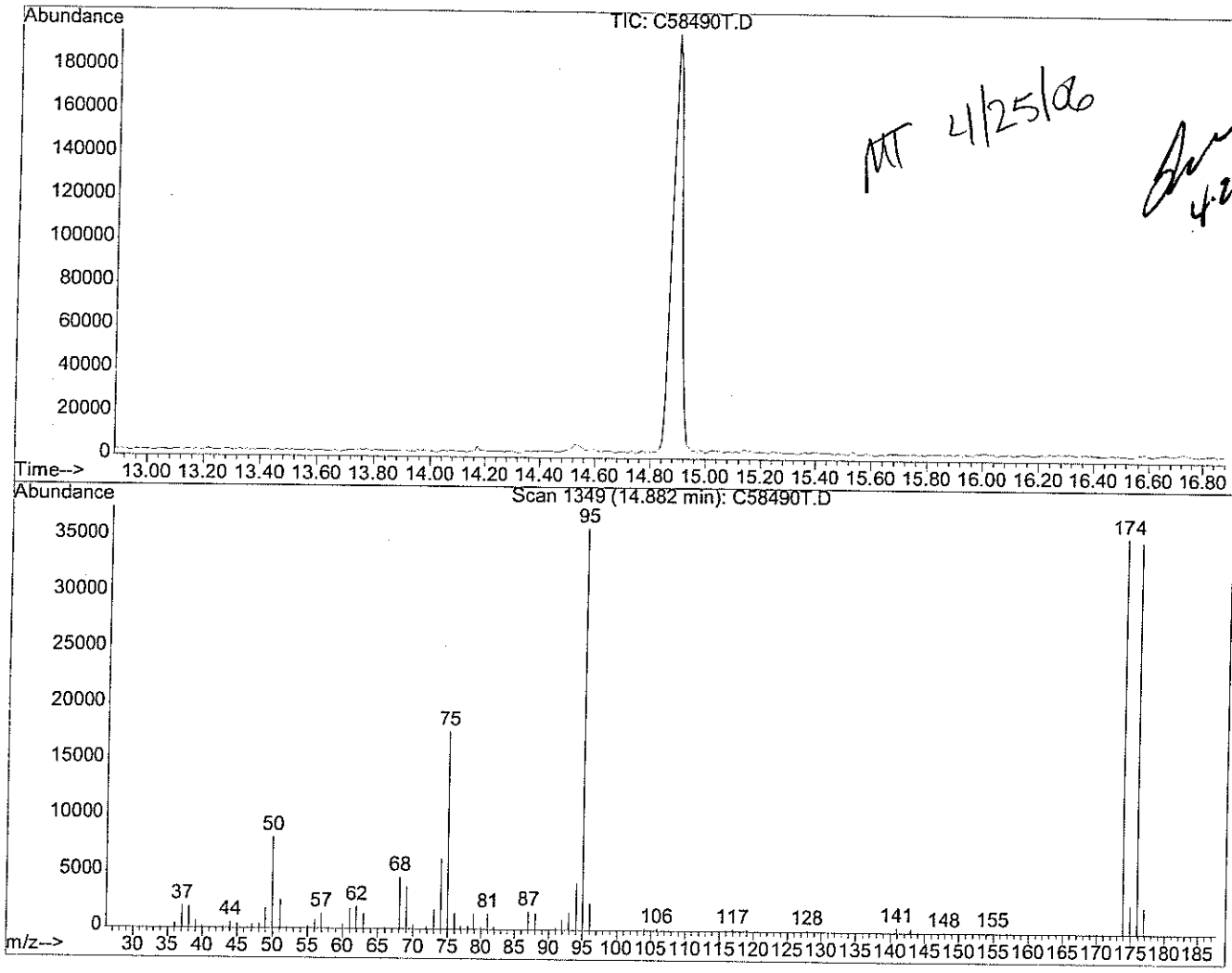
This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

	SAMPLE NO.	LAB SAMPLE	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	20 PPB	20 PPB	C58491SC.D	04/24/06	10:53
02	LS04216C	LS04216C	C58492Q.D	04/24/06	11:23
03	LS04216C2	LS04216C2	C58493Q.D	04/24/06	11:58
04	ZZZZZ	ZZZZZ	C58494.D	04/24/06	12:32
05	MB04216C	MB04216C	C58495B.D	04/24/06	13:05
06	56323-13	56323-13	C58496.D	04/24/06	13:26
07	56323-1	56323-1	C58497.D	04/24/06	13:53
08	56323-2	56323-2	C58498.D	04/24/06	14:26
09	56323-3	56323-3	C58499.D	04/24/06	15:03
10	56323-4	56323-4	C58500.D	04/24/06	15:28
11	56323-4,MS	56323-4,MS	C58501SP.D	04/24/06	15:51
12	56323-4,MSD	56323-4,MSD	C58502SP.D	04/24/06	16:24
13	ZZZZZ	ZZZZZ	C58503.D	04/24/06	16:57
14	56323-6	56323-6	C58504.D	04/24/06	17:34
15	56323-7	56323-7	C58505.D	04/24/06	17:34
16	56323-8	56323-8	C58506.D	04/24/06	18:07
17	56323-9	56323-9	C58507.D	04/24/06	18:40
18	56323-10	56323-10	C58508.D	04/24/06	19:16
19	56323-11	56323-11	C58509.D	04/24/06	19:49
20	56323-12	56323-12	C58510.D	04/24/06	20:22
21	ZZZZZ	ZZZZZ	C58511.D	04/24/06	20:28
22					
23					
24					

BFB

Data File : D:\HPCHEM\1\DATA\042406C\C58490T.D
Acq On : 24 Apr 2006 10:31 am
Sample : BFB 50NG
Misc : 5000
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics

Vial: 10
Operator:
Inst : Instr_C
Multiplr: 1.00



MT 4/25/06

4.25.06

Spectrum Information: Scan 1349

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.6	8129	PASS
75	95	30	60	49.2	17680	PASS
95	95	100	100	100.0	35960	PASS
96	95	5	9	6.7	2398	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	98.4	35400	PASS
175	174	5	9	7.3	2581	PASS
176	174	95	101	99.1	35096	PASS
177	176	5	9	6.7	2364	PASS

C58490T.D V804176C.M Mon Apr 24 10:43:45 2006

VOLATILE ORGAN
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Project #: | Quote #: | SDG#: 56323

BFB File ID: C58537T.D | Site ID: Subbase Groton Site 7 | Location: CT

Instrument ID: C | BFB Injection Date: 4/25/06

GC Column: RTX-502.2 | ID: 0.25(mm) | BFB Injection Time: 1044

Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.0
75	30.0 - 60.0% of mass 95	47.7
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	5.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50% of m	99.5
175	5.0 - 9.0% of mass 174	7.0 (7.0)1
176	>95.0 - <101.0% of mass 174	97.9 (98.4)1
177	5.0 - 9.0% of mass 176	6.1 (6.3)2

1-Value is % mass 174 2-Value is % mass 176

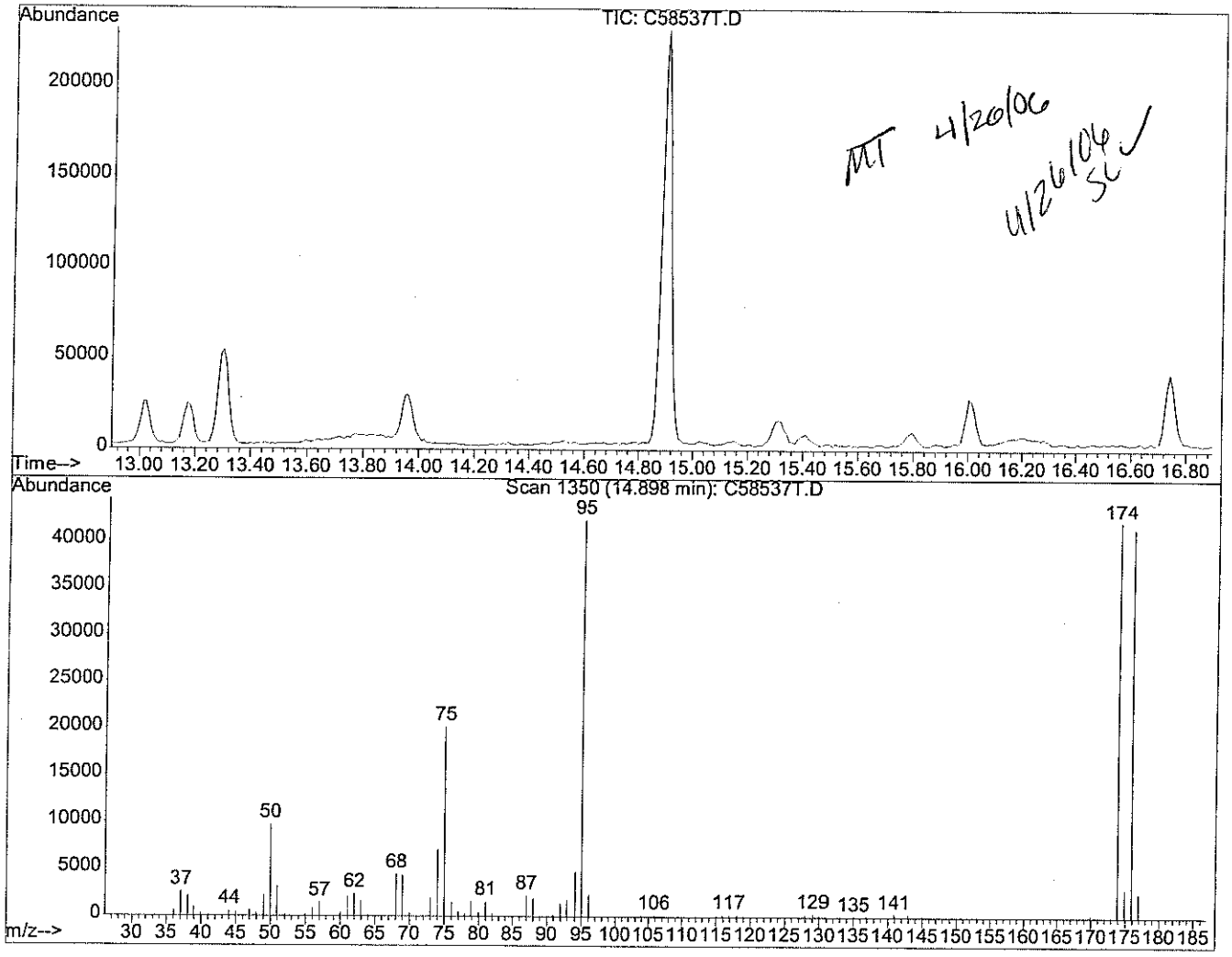
This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

	SAMPLE NO.	LAB SAMPLE	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	20 PPB	20 PPB	C58538SC.D	04/25/06	11:17
02	L804256C	L804256C	C58539Q.D	04/25/06	11:33
03	ZZZZZ	ZZZZZ	C58540.D	04/25/06	12:06
04	B804256C	B804256C	C58541B.D	04/25/06	12:39
05	56323-5	56323-5	C58542.D	04/25/06	13:05
06	56323-8, RR	56323-8, RR	C58543.D	04/25/06	13:38
07	ZZZZZ	ZZZZZ	C58544.D	04/25/06	14:15
08	ZZZZZ	ZZZZZ	C58545.D	04/25/06	14:22
09	ZZZZZ	ZZZZZ	C58546.D	04/25/06	14:59
10	ZZZZZ	ZZZZZ	C58547.D	04/25/06	15:35
11	ZZZZZ	ZZZZZ	C58548.D	04/25/06	15:57
12	ZZZZZ	ZZZZZ	C58549.D	04/25/06	16:23
13	ZZZZZ	ZZZZZ	C58550.D	04/25/06	16:56
14	ZZZZZ	ZZZZZ	C58551.D	04/25/06	17:27
15	ZZZZZ	ZZZZZ	C58552.D	04/25/06	18:06
16	ZZZZZ	ZZZZZ	C58553.D	04/25/06	18:06
17	ZZZZZ	ZZZZZ	C58554.D	04/25/06	18:44
18	ZZZZZ	ZZZZZ	C58555.D	04/25/06	19:22
19	ZZZZZ	ZZZZZ	C58556.D	04/25/06	19:57
20	ZZZZZ	ZZZZZ	C58557.D	04/25/06	19:57
21	ZZZZZ	ZZZZZ	C58558.D	04/25/06	20:35
22	ZZZZZ	ZZZZZ	C58559.D	04/25/06	21:08
23	ZZZZZ	ZZZZZ	C58560.D	04/25/06	21:35
24	ZZZZZ	ZZZZZ	C58561.D	04/25/06	22:08

BFB

Data File : D:\HPCHEM\1\DATA\042506C\C58537T.D
Acq On : 25 Apr 2006 10:44 am
Sample : BFB 50NG
Misc : 5000
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics

Vial: 5
Operator:
Inst : Instr_C
Multiplr: 1.00



Spectrum Information: Scan 1350

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.0	9759	PASS
75	95	30	60	47.7	20240	PASS
95	95	100	100	100.0	42416	PASS
96	95	5	9	5.6	2396	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	99.5	42200	PASS
175	174	5	9	7.0	2960	PASS
176	174	95	101	98.4	41512	PASS
177	176	5	9	6.3	2601	PASS

C58537T.D V804176C.M Tue Apr 25 12:04:09 2006

Acq. Method File	V804176C
Level 1 File Name	C58354SI.D
Level 2 File Name	C58361SI.D
Level 3 File Name	C58356SI.D
Level 4 File Name	C58357SI.D
Level 5 File Name	C58358SI.D
Level 6 File Name	C58359SI.D
Level 7 File Name	C58353SI.D

MT 4/18/06 4.18.06

Name	Level 1 RF	Level 2 RF	Level 3 RF	Level 4 RF	Level 5 RF	Level 6 RF	Level 7 RF	AVG RF	RF Rel. STDEV
Dichlorodifluoromethane	0.765	0.656	0.623	0.660	0.670	0.673	-1.000	0.435	7.07%
Chloromethane	0.603	0.606	0.603	0.664	0.766	0.818	-1.000	0.437	13.88%
Vinyl Chloride	0.864	0.666	0.622	0.669	0.676	0.657	-1.000	0.451	12.48%
Bromomethane	0.285	0.350	0.330	0.390	0.437	-1.000	0.000	0.113	16.18%
Chloroethane	0.391	0.352	0.315	0.305	0.326	0.347	-1.000	0.148	9.13%
t-Butyl alcohol (TBA)	0.053	0.053	0.050	0.050	0.050	0.055	-1.000	-0.098	3.59%
Trichlorofluoromethane	1.414	1.184	1.155	1.225	1.240	1.285	-1.000	0.929	7.37%
Diethyl ether	0.240	0.225	0.171	0.184	0.182	0.179	-1.000	0.026	14.33%
1,1,2-Trichlorotrifluoroethane	0.530	0.509	0.474	0.471	0.476	0.468	-1.000	0.276	5.23%
Acrolein	0.045	0.047	0.026	0.050	0.048	0.045	-1.000	-0.106	20.43%
Acetone	0.221	0.168	0.162	0.160	0.161	0.170	-1.000	0.006	13.44%
1,1-Dichloroethene	0.399	0.336	0.356	0.347	0.355	0.341	-1.000	0.162	6.36%
Methyl iodide	0.469	0.780	0.373	0.553	0.668	0.472	-1.000	0.331	26.92%
Di-isopropyl ether (DIPE)	1.961	1.754	1.669	1.740	1.744	1.659	-1.000	1.361	6.21%
Methylene Chloride	0.448	0.384	0.372	0.366	0.369	-1.000	0.000	0.134	8.88%
Carbon Disulfide	1.099	1.135	1.090	1.131	1.173	1.210	-1.000	0.834	3.98%
Acrylonitrile	0.142	0.157	0.170	0.172	0.181	-1.000	0.000	-0.025	9.24%
Methyl-tert-butyl ether (MTBE)	1.591	1.171	1.280	1.312	1.327	1.380	-1.000	1.009	10.39%
trans-1,2-Dichloroethene	0.984	0.814	0.829	0.843	0.883	0.894	-1.000	0.607	7.11%
1,1-Dichloroethane	1.065	1.027	0.948	0.981	0.998	0.966	-1.000	0.712	4.29%
Vinyl acetate	0.914	0.838	0.470	0.938	0.973	0.862	-1.000	0.571	22.14%
Methyl ethyl ketone	0.047	0.043	0.042	0.042	0.040	0.041	-1.000	-0.106	5.24%
Ethyl t-butyl ether (ETBE)	1.774	1.606	1.601	1.620	1.639	1.620	-1.000	1.266	3.99%
2,2-Dichloropropane	0.906	0.753	0.698	0.738	0.760	0.746	-1.000	0.514	9.33%
cis-1,2-Dichloroethene	0.599	0.586	0.547	0.561	0.560	0.549	-1.000	0.343	3.70%
t-Amyl methyl ether (TAME)	1.205	1.121	1.126	1.157	1.149	1.141	-1.000	0.843	2.63%
DB Holder #28	1.011	0.773	0.719	0.745	0.754	0.767	-1.000	0.538	13.56%
Chloroform	1.022	0.937	0.875	0.943	0.935	0.934	-1.000	0.664	4.97%
Bromochloromethane	0.353	0.276	0.279	0.298	0.304	0.293	-1.000	0.115	9.33%
Tetrahydrofuran	0.048	0.039	0.045	0.048	0.049	-1.000	0.000	-0.110	8.52%
1,1,1-Trichloroethane	0.923	0.810	0.803	0.846	0.880	0.875	-1.000	0.591	5.33%
1,1-Dichloropropene	0.721	0.703	0.643	0.672	0.684	0.665	-1.000	0.441	4.10%
Carbon Tetrachloride	0.681	0.618	0.668	0.725	0.775	0.770	-1.000	0.463	8.75%
d4-1,2-Dichloroethane	1.011	0.773	0.719	0.745	0.754	0.767	-1.000	0.538	13.56%
1,2-Dichloroethane	0.961	0.913	0.885	0.929	0.945	0.942	-1.000	0.653	2.89%
Benzene	1.747	1.651	1.505	1.579	1.533	1.459	1.887	1.623	9.29%
Trichloroethene	0.376	0.358	0.346	0.341	0.349	0.340	-1.000	0.159	3.90%
1,2-Dichloropropane	0.376	0.331	0.323	0.322	0.321	0.312	-1.000	0.141	6.96%
Methylmethacrylate	0.216	0.186	0.239	0.193	0.190	0.206	-1.000	0.033	9.79%
Bromodichloromethane	0.456	0.412	0.397	0.432	0.445	0.454	-1.000	0.228	5.53%
Dibromomethane	0.264	0.245	0.244	0.258	0.260	0.246	-1.000	0.074	3.48%
1,4-Dioxane	0.003	0.003	0.003	0.003	0.003	0.003	-1.000	-0.140	7.31%
2-Chloroethylvinyl ether	0.111	0.053	0.068	0.105	0.139	0.112	-1.000	-0.059	32.23%
2-Hexanone	0.126	0.108	0.106	0.107	0.104	0.110	-1.000	-0.048	7.40%
Methyl isobutyl ketone	0.127	0.112	0.112	0.111	0.108	0.112	-1.000	-0.045	5.91%
cis-1,3-Dichloropropene	0.526	0.489	0.470	0.481	0.497	0.491	-1.000	0.279	3.87%
d8-Toluene	1.364	1.141	1.028	1.081	1.059	1.042	-1.000	0.816	11.30%
Toluene	0.721	0.681	0.627	0.658	0.647	0.646	-1.000	0.426	5.01%
trans-1,3-Dichloropropene	0.510	0.438	0.441	0.462	0.483	0.477	-1.000	0.259	5.82%
1,1,2-Trichloroethane	0.239	0.213	0.217	0.216	0.211	0.214	-1.000	0.044	4.72%
1,3-Dichloropropane	0.461	0.422	0.408	0.426	0.417	0.425	-1.000	0.223	4.32%
Tetrachloroethene	0.459	0.427	0.418	0.401	0.429	0.425	-1.000	0.223	4.47%
Dibromochloromethane	0.359	0.327	0.352	0.370	0.396	0.402	-1.000	0.172	7.69%
1,2-Dibromoethane	0.379	0.358	0.353	0.368	0.380	0.377	-1.000	0.174	3.10%
Chlorobenzene	1.109	1.057	0.994	0.964	0.989	0.936	-1.000	0.721	6.30%
1,1,1,2-Tetrachloroethane	0.370	0.352	0.345	0.356	0.361	0.360	-1.000	0.164	2.39%
Ethylbenzene	1.542	1.568	1.439	1.439	1.410	1.346	-1.000	1.106	5.72%
m,p-Xylene	0.656	0.640	0.584	0.570	0.548	0.507	-1.000	0.358	9.60%
o-Xylene	0.606	0.599	0.560	0.555	0.551	0.522	-1.000	0.342	5.57%
Styrene	1.079	1.028	0.979	0.991	0.958	0.929	-1.000	0.709	5.37%

Bromoform	0.292	0.266	0.288	0.326	0.340	0.349	-1.000	0.123	10.59%
Isopropylbenzene	1.612	1.598	1.470	1.480	1.478	1.365	-1.000	1.143	6.12%
1,1,2,2-Tetrachloroethane	0.457	0.384	0.382	0.376	0.378	0.377	-1.000	0.193	8.12%
romofluorobenzene	0.637	0.531	0.476	0.474	0.475	0.457	-1.000	0.293	13.33%
1,2,3-Trichloropropane	0.321	0.293	0.292	0.281	0.280	0.281	-1.000	0.107	5.41%
trans-1,4-Dichloro-2-butene	0.150	0.113	0.118	0.114	0.116	0.118	-1.000	-0.039	11.48%
n-Propylbenzene	1.881	1.868	1.658	1.621	1.595	1.456	-1.000	1.297	9.85%
Bromobenzene	0.476	0.471	0.415	0.417	0.419	0.395	-1.000	0.228	7.63%
1,3,5-Trimethylbenzene	1.323	1.340	1.201	1.199	1.200	1.165	-1.000	0.918	5.95%
2-Chlorotoluene	1.265	1.243	1.127	1.105	1.119	1.087	-1.000	0.849	6.58%
4-Chlorotoluene	1.123	1.126	1.055	1.037	1.033	1.005	-1.000	0.768	4.71%
tert-butylbenzene	1.224	1.127	1.086	1.040	1.049	1.040	-1.000	0.795	6.59%
1,2,4-Trimethylbenzene	1.366	1.325	1.261	1.203	1.218	1.182	-1.000	0.936	5.77%
sec-butylbenzene	1.824	1.801	1.635	1.636	1.627	1.589	-1.000	1.302	5.95%
p-isopropyltoluene	1.455	1.443	1.305	1.309	1.313	1.297	-1.000	1.017	5.47%
1,3-Dichlorobenzene	0.780	0.780	0.715	0.700	0.706	0.699	-1.000	0.483	5.35%
1,4-Dichlorobenzene	1.523	1.620	1.465	1.459	1.461	1.438	-1.000	1.138	4.53%
n-butylbenzene	2.564	2.784	2.436	2.453	2.440	2.349	-1.000	2.004	6.12%
1,2-Dichlorobenzene	1.471	1.464	1.366	1.319	1.344	1.312	-1.000	1.039	5.15%
1,2-Dibromo-3-chloropropane	0.156	0.138	0.135	0.144	0.151	0.160	-1.000	-0.017	6.89%
1,2,4-Trichlorobenzene	1.204	1.234	1.092	1.147	1.192	1.239	-1.000	0.872	4.77%
Hexachlorobutadiene	0.639	0.598	0.534	0.575	0.632	0.654	-1.000	0.376	7.45%
Naphthalene	2.412	2.233	2.092	2.037	2.079	2.113	-1.000	1.709	6.46%
1,2,3-Trichlorobenzene	1.143	1.094	1.036	1.012	1.080	1.083	-1.000	0.778	4.29%
1,3,5-Trichlorobenzene	1.316	1.396	1.275	1.281	1.328	1.390	-1.000	0.998	3.89%
								AVG	7.88%

Response Factor Report Instr_C

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Apr 17 15:48:39 2006
Response via : Initial Calibration

NT 4/18/06

4.18.06

Calibration Files
1 =C58354SI.D 2 =C58361SI.D 5 =C58356SI.D
20 =C58357SI.D 50 =C58358SI.D 100 =C58359SI.D

		Compound	1	2	5	20	50	100	Avg	%RSD	
1)	I	Pentafluorobenzene	----------ISTD----------								
2)	TM	Dichlorodifluoromet	0.765	0.656	0.623	0.660	0.670	0.673	0.675	7.07	
3)	TMP	Chloromethane	0.603	0.606	0.603	0.664	0.766	0.818	0.677	13.88	✓
4)	TMC	Vinyl Chloride	0.864	0.666	0.622	0.669	0.676	0.657	0.692	12.48	✓
5)	TM	Bromomethane	0.285	0.350	0.330	0.390	0.437		0.358	16.18	
6)	TM	Chloroethane	0.391	0.352	0.315	0.305	0.326	0.347	0.339	9.13	
7)	TM	t-Butyl alcohol (TB	0.053	0.053	0.050	0.050	0.050	0.055	0.052#	3.59	
8)	TM	Trichlorofluorometh	1.414	1.184	1.155	1.225	1.240	1.285	1.250	7.37	
9)	TM	Diethyl ether	0.240	0.225	0.171	0.184	0.182	0.179	0.197	14.33	
10)	T	1,1,2-Trichlorotrif	0.530	0.509	0.474	0.471	0.476	0.468	0.488	5.23	
11)	T	Acrolein	0.045	0.047	0.026	0.050	0.048	0.045	0.043#	20.43	NT
12)	TM	Acetone	0.221	0.168	0.162	0.160	0.161	0.170	0.174	13.44	
13)	TMC	1,1-Dichloroethene	0.399	0.336	0.356	0.347	0.355	0.341	0.356	6.36	✓
14)	T	Methyl iodide	0.469	0.780	0.373	0.553	0.668	0.472	0.553	26.92	NT
15)	TM	Di-isopropyl ether	1.961	1.754	1.669	1.740	1.744	1.659	1.755	6.21	
16)	TM	Methylene Chloride		0.448	0.384	0.372	0.366	0.369	0.388	8.88	
17)	TM	Carbon Disulfide	1.099	1.135	1.090	1.131	1.173	1.210	1.140	3.98	
18)	T	Acrylonitrile		0.142	0.157	0.170	0.172	0.181	0.164	9.24	
19)	TM	Methyl-tert-butyl e	1.591	1.171	1.280	1.312	1.327	1.380	1.344	10.39	
20)	TM	trans-1,2-Dichloroe	0.984	0.814	0.829	0.843	0.883	0.894	0.874	7.11	
21)	TMP	1,1-Dichloroethane	1.065	1.027	0.948	0.981	0.998	0.966	0.998	4.29	✓
22)	T	Vinyl acetate	0.914	0.838	0.470	0.938	0.973	0.862	0.832	22.14	NT
23)	TM	Methyl ethyl ketone	0.047	0.043	0.042	0.042	0.040	0.041	0.042#	5.24	
24)	TM	Ethyl t-butyl ether	1.774	1.606	1.601	1.620	1.639	1.620	1.644	3.99	
25)	TM	2,2-Dichloropropane	0.906	0.753	0.698	0.738	0.760	0.746	0.767	9.33	
26)	TM	cis-1,2-Dichloroeth	0.599	0.586	0.547	0.561	0.560	0.549	0.567	3.70	
27)	TM	t-Amyl methyl ether	1.205	1.121	1.126	1.157	1.149	1.141	1.150	2.63	
28)	S	DB Holder #28	1.011	0.773	0.719	0.745	0.754	0.767	0.795	13.56	
29)	TMC	Chloroform	1.022	0.937	0.875	0.943	0.935	0.934	0.941	4.97	✓
30)	TM	Bromochloromethane	0.353	0.276	0.279	0.298	0.304	0.293	0.301	9.33	
31)	TM	Tetrahydrofuran		0.048	0.039	0.045	0.048	0.049	0.046#	8.52	
32)	TM	1,1,1-Trichloroetha	0.923	0.810	0.803	0.846	0.880	0.875	0.856	5.33	
33)	T	NO COMPOUND							0.000#	-1.00	
34)	TM	1,1-Dichloropropene	0.721	0.703	0.643	0.672	0.684	0.665	0.681	4.10	
35)	TM	Carbon Tetrachlorid	0.681	0.618	0.668	0.725	0.775	0.770	0.706	8.75	
36)	S	d4-1,2-Dichloroetha	1.011	0.773	0.719	0.745	0.754	0.767	0.795	13.56	
37)	TM	1,2-Dichloroethane	0.961	0.913	0.885	0.929	0.945	0.942	0.929	2.89	
38)	TM	Benzene	1.747	1.651	1.505	1.579	1.533	1.459	1.623	9.29	
39)	I	1,4-Difluorobenzene	----------ISTD----------								
40)	TM	Trichloroethene	0.376	0.358	0.346	0.341	0.349	0.340	0.352	3.90	
41)	TMC	1,2-Dichloropropane	0.376	0.331	0.323	0.322	0.321	0.312	0.331	6.96	✓
42)	T	Methylmethacrylate	0.216	0.186	0.239	0.193	0.190	0.206	0.205	9.79	

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report Instr_C

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Apr 17 15:48:39 2006
Response via : Initial Calibration

Calibration Files
1 =C58354SI.D 2 =C58361SI.D 5 =C58356SI.D
20 =C58357SI.D 50 =C58358SI.D 100 =C58359SI.D

		Compound	1	2	5	20	50	100	Avg	%RSD
43)	T	Methyl acetate	0.298	0.223	0.427	0.287	0.274	0.305	0.302	22.46 NT
44)	T	Cyclohexane	0.621	0.544	0.519	0.511	0.520	0.498	0.535	8.33
45)	TM	Bromodichloromethan	0.456	0.412	0.397	0.432	0.445	0.454	0.433	5.53
46)	TM	Dibromomethane	0.264	0.245	0.244	0.258	0.260	0.246	0.253	3.48
47)	T	1,4-Dioxane	0.003	0.003	0.003	0.003	0.003	0.003	0.003#	7.31
48)	T	Methylcyclohexane	0.441	0.434	0.411	0.428	0.429	0.420	0.427	2.50
49)	T	NO COMPOUND							0.000#	-1.00
50)	T	2-Chloroethylvinyl	0.111	0.053	0.068	0.105	0.139	0.112	0.098#	32.23 M
51)	TM	2-Hexanone	0.126	0.108	0.106	0.107	0.104	0.110	0.110	7.40
52)	TM	Methyl isobutyl ket	0.127	0.112	0.112	0.111	0.108	0.112	0.114	5.91
53)	TM	cis-1,3-Dichloropro	0.526	0.489	0.470	0.481	0.497	0.491	0.492	3.87
54)	S	d8-Toluene	1.364	1.141	1.028	1.081	1.059	1.042	1.119	11.30
55)	TMC	Toluene	0.721	0.681	0.627	0.658	0.647	0.646	0.663	5.01 ✓
56)	TM	trans-1,3-Dichlorop	0.510	0.438	0.441	0.462	0.483	0.477	0.469	5.82
57)	T	NO COMPOUND							0.000#	-1.00
58)	TM	1,1,2-Trichloroetha	0.239	0.213	0.217	0.216	0.211	0.214	0.218	4.72
59)	TM	1,3-Dichloropropane	0.461	0.422	0.408	0.426	0.417	0.425	0.426	4.32
60)	TM	Tetrachloroethene	0.459	0.427	0.418	0.401	0.429	0.425	0.427	4.47
61)	TM	Dibromochloromethan	0.359	0.327	0.352	0.370	0.396	0.402	0.368	7.69
62)	TM	1,2-Dibromoethane	0.379	0.358	0.353	0.368	0.380	0.377	0.369	3.10
63)	I	*d5-Chlorobenzene	ISTD							
64)	TMP	Chlorobenzene	1.109	1.057	0.994	0.964	0.989	0.936	1.008 ✓	6.30
65)	TM	1,1,1,2-Tetrachloro	0.370	0.352	0.345	0.356	0.361	0.360	0.358	2.39
66)	TMC	Ethylbenzene	1.542	1.568	1.439	1.439	1.410	1.346	1.457	5.72 ✓
67)	TM	m,p-Xylene	0.656	0.640	0.584	0.570	0.548	0.507	0.584	9.60
68)	TM	o-Xylene	0.606	0.599	0.560	0.555	0.551	0.522	0.565	5.57
69)	TM	Styrene	1.079	1.028	0.979	0.991	0.958	0.929	0.994	5.37
70)	TMP	Bromoform	0.292	0.266	0.288	0.326	0.340	0.349	0.310 ✓	10.59
71)	TM	Isopropylbenzene	1.612	1.598	1.470	1.480	1.478	1.365	1.500	6.12
72)	TMP	1,1,2,2-Tetrachloro	0.457	0.384	0.382	0.376	0.378	0.377	0.392 ✓	8.12
73)	S	Bromofluorobenzene	0.637	0.531	0.476	0.474	0.475	0.457	0.508	13.33
74)	TM	1,2,3-Trichloroprop	0.321	0.293	0.292	0.281	0.280	0.281	0.291	5.41
75)	TM	trans-1,4-Dichloro-	0.150	0.113	0.118	0.114	0.116	0.118	0.121	11.48
76)	TM	n-Propylbenzene	1.881	1.868	1.658	1.621	1.595	1.456	1.680	9.85
77)	TM	Bromobenzene	0.476	0.471	0.415	0.417	0.419	0.395	0.432	7.63
78)	TM	1,3,5-Trimethylbenz	1.323	1.340	1.201	1.199	1.200	1.165	1.238	5.95
79)	TM	2-Chlorotoluene	1.265	1.243	1.127	1.105	1.119	1.087	1.158	6.58
80)	TM	4-Chlorotoluene	1.123	1.126	1.055	1.037	1.033	1.005	1.063	4.71
81)	TM	tert-butylbenzene	1.224	1.127	1.086	1.040	1.049	1.040	1.094	6.59
82)	TM	1,2,4-Trimethylbenz	1.366	1.325	1.261	1.203	1.218	1.182	1.259	5.77
83)	T	Diisobutylketone	0.961	0.933	0.883	0.846	0.825	0.844	0.882	6.16
84)	TM	sec-butylbenzene	1.824	1.801	1.635	1.636	1.627	1.589	1.686	5.95
85)	TM	p-isopropyltoluene	1.455	1.443	1.305	1.309	1.313	1.297	1.354	5.47

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report Instr_C

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Apr 17 15:48:39 2006
Response via : Initial Calibration

Calibration Files
1 =C58354SI.D 2 =C58361SI.D 5 =C58356SI.D
20 =C58357SI.D 50 =C58358SI.D 100 =C58359SI.D

		Compound	1	2	5	20	50	100	Avg	%RSD
86)	TM	1,3-Dichlorobenzene	0.780	0.780	0.715	0.700	0.706	0.699	0.730	5.35
87)	I	1,4-Dichlorobenzene-d	ISTD							
88)	TM	1,4-Dichlorobenzene	1.523	1.620	1.465	1.459	1.461	1.438	1.494	4.53
89)	TM	n-butylbenzene	2.564	2.784	2.436	2.453	2.440	2.349	2.504	6.12
90)	TM	1,2-Dichlorobenzene	1.471	1.464	1.366	1.319	1.344	1.312	1.379	5.15
91)	T	NO COMPOUND							0.000#	-1.00
92)	TM	1,2-Dibromo-3-chlor	0.156	0.138	0.135	0.144	0.151	0.160	0.147	6.89
93)	T	NO COMPOUND							0.000#	-1.00
94)	TM	1,2,4-Trichlorobenz	1.204	1.234	1.092	1.147	1.192	1.239	1.185	4.77
95)	TM	Hexachlorobutadiene	0.639	0.598	0.534	0.575	0.632	0.654	0.605	7.45
96)	TM	Naphthalene	2.412	2.233	2.092	2.037	2.079	2.113	2.161	6.46
97)	TM	1,2,3-Trichlorobenz	1.143	1.094	1.036	1.012	1.080	1.083	1.075	4.29
98)	T	1,3,5-Trichlorobenz	1.316	1.396	1.275	1.281	1.328	1.390	1.331	3.89

(#) = Out of Range ### Number of calibration levels exceeded format ###

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\041706C\C58353SI.D Vial: 2
Acq On : 17 Apr 2006 11:56 am Operator:
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 13:52 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/18/06 4.18.06

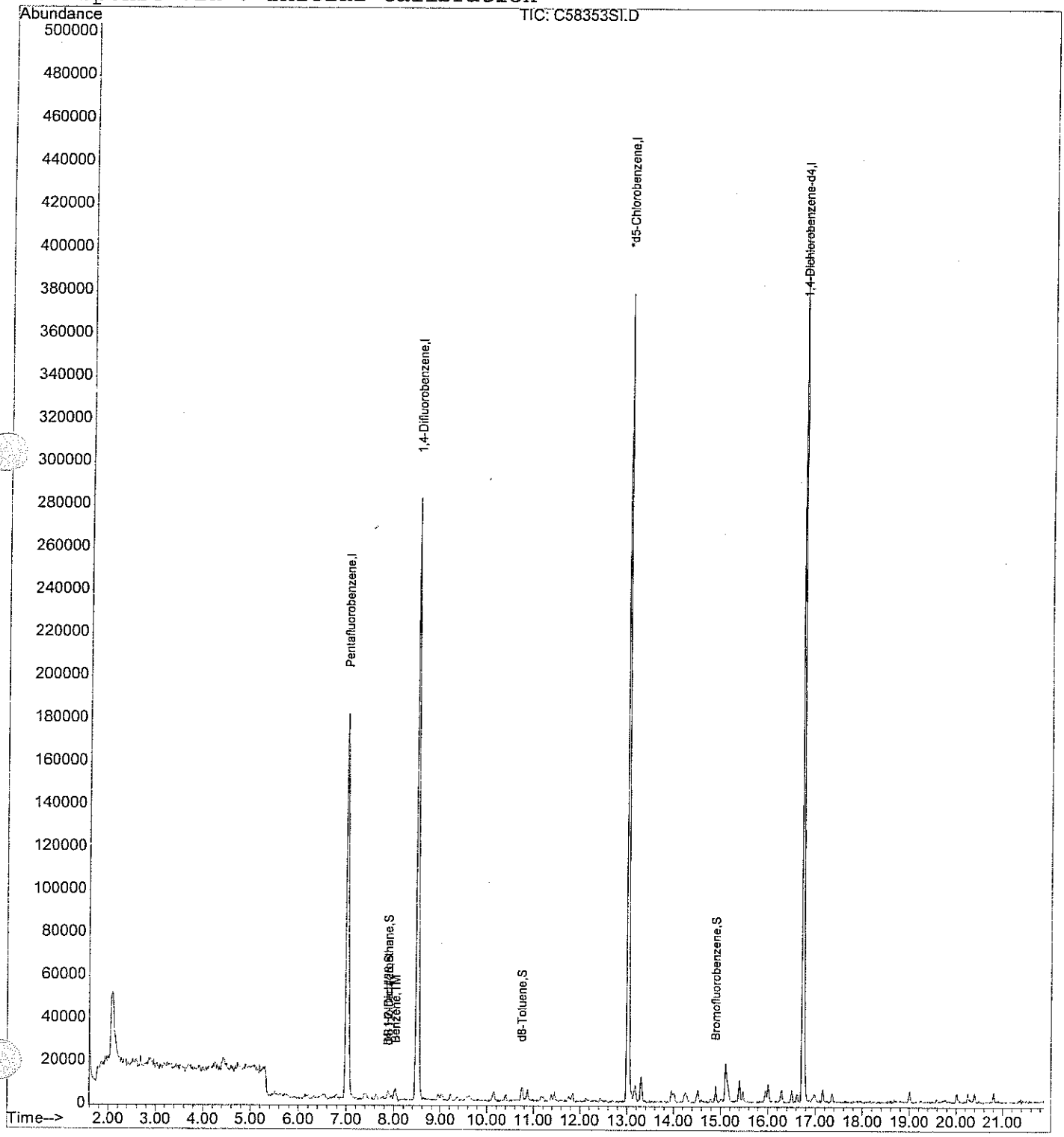
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.01	168	231622	20.00	ug/L	-0.01
39) 1,4-Difluorobenzene	8.49	114	361455	20.00	ug/L	-0.01
63) *d5-Chlorobenzene	13.02	117	322548	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.74	152	162831	20.00	ug/L	-0.01
System Monitoring Compounds						
28) DB Holder #28	7.87	65	4580	0.45	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 2.25%#			
36) d4-1,2-Dichloroethane	7.87	65	4580	0.45	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 2.25%#			
54) d8-Toluene	10.75	98	6662	0.32	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 1.60%#			
73) Bromofluorobenzene	14.89	95	3433	0.39	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 1.95%#			
Target Compounds						Qvalue
38) Benzene	8.03	78	4370	0.20	ug/L	78

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\041706C\C58353SI.D Vial: 2
Acq On : 17 Apr 2006 11:56 am Operator:
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 17 13:52 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Apr 17 15:48:39 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\041706C\C58354SI.D Vial: 3
Acq On : 17 Apr 2006 12:21 pm Operator:
Sample : 1 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 13:53 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/18/06 4-18-06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	244191	20.00	ug/L	0.00
39) 1,4-Difluorobenzene	8.50	114	386660	20.00	ug/L	0.00
63) *d5-Chlorobenzene	13.02	117	342009	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.74	152	171356	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.88	65	12349	1.16	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 5.80%#			
36) d4-1,2-Dichloroethane	7.88	65	12349	1.16	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 5.80%#			
54) d8-Toluene	10.75	98	26377	1.18	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 5.90%#			
73) Bromofluorobenzene	14.90	95	10886	1.17	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 5.85%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.70	85	9341	1.24	ug/L	97
3) Chloromethane	1.95	50	7364m	0.87	ug/L	
4) Vinyl Chloride	2.04	62	10554	1.27	ug/L	96
5) Bromomethane	2.48	94	3475	0.70	ug/L	97
6) Chloroethane	2.58	64	4772	1.13	ug/L	95
7) t-Butyl alcohol (TBA)	3.87	59	3240m	3.86	ug/L	
8) Trichlorofluoromethane	2.89	101	17265	1.13	ug/L	99
9) Diethyl ether	3.26	74	2927	1.09	ug/L	93
10) 1,1,2-Trichlorotrifluoroet	3.45	101	6477	0.93	ug/L #	70
11) Acrolein	3.43	56	2733	3.53	ug/L #	55
12) Acetone	3.52	43	13463	5.21	ug/L	93
13) 1,1-Dichloroethene	3.69	96	4869	1.00	ug/L #	69
14) Methyl iodide	4.12	142	5726	0.83	ug/L	89
15) Di-isopropyl ether (DIPE)	5.51	45	23944	0.99	ug/L	98
16) Methylene Chloride	4.43	84	7184	1.34	ug/L #	87
17) Carbon Disulfide	4.39	76	13415	0.75	ug/L	100
18) Acrylonitrile	4.65	53	2668	1.07	ug/L #	69
19) Methyl-tert-butyl ether (M	4.74	73	19424	0.97	ug/L	94
20) trans-1,2-Dichloroethene	4.90	61	12016	0.97	ug/L	96
21) 1,1-Dichloroethane	5.59	63	13003	0.96	ug/L	80
22) Vinyl acetate	5.65	43	11159	0.85	ug/L #	96
23) Methyl ethyl ketone	6.31	72	2844	4.98	ug/L	86
24) Ethyl t-butyl ether (ETBE)	6.14	59	21665	0.96	ug/L	95
25) 2,2-Dichloropropane	6.47	77	11058	1.11	ug/L	95
26) cis-1,2-Dichloroethene	6.55	96	7312	1.04	ug/L #	85
27) t-Amyl methyl ether (TAME)	7.88	73	14711	0.90	ug/L #	89

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\041706C\C58354SI.D Vial: 3
Acq On : 17 Apr 2006 12:21 pm Operator:
Sample : 1 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 13:53 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	Chloroform	6.79	83	12473	1.02 ug/L	95
30)	Bromochloromethane	7.03	128	4316	1.18 ug/L #	75
31)	Tetrahydrofuran	7.13	71	643m	1.02 ug/L	
32)	1,1,1-Trichloroethane	7.37	97	11268	0.98 ug/L	86
34)	1,1-Dichloropropene	7.64	75	8807	0.97 ug/L	87
35)	Carbon Tetrachloride	7.77	119	8316	0.86 ug/L	93
37)	1,2-Dichloroethane	8.01	62	11728	0.92 ug/L	98
38)	Benzene	8.01	78	21332	0.93 ug/L	99
40)	Trichloroethene	8.96	95	7276	1.00 ug/L	93
41)	1,2-Dichloropropane	9.22	63	7278	1.06 ug/L	100
42)	Methylmethacrylate	9.38	69	4171	0.96 ug/L	92
43)	Methyl acetate	4.24	43	5770	0.88 ug/L #	79
44)	Cyclohexane	7.40	56	12007	1.06 ug/L	94
45)	Bromodichloromethane	9.56	83	8819	0.96 ug/L	92
46)	Dibromomethane	9.63	93	5105	0.97 ug/L	90
47)	1,4-Dioxane	9.64	88	1683	24.07 ug/L	88
48)	Methylcyclohexane	9.05	83	8523	0.96 ug/L	90
50)	2-Chloroethylvinyl ether	10.08	63	2146	2.57 ug/L	97
51)	2-Hexanone	11.45	58	12215	4.74 ug/L	95
52)	Methyl isobutyl ketone	10.13	58	12271	4.58 ug/L	99
53)	cis-1,3-Dichloropropene	10.40	75	10174	1.00 ug/L	99
55)	Toluene	10.86	92	13944	1.02 ug/L	96
56)	trans-1,3-Dichloropropene	11.16	75	9860	1.02 ug/L	99
58)	1,1,2-Trichloroethane	11.39	83	4614	1.03 ug/L #	80
59)	1,3-Dichloropropane	11.76	76	8922	0.98 ug/L	96
60)	Tetrachloroethene	11.84	166	8881	1.05 ug/L	83
61)	Dibromochloromethane	12.13	129	6942	0.89 ug/L	86
62)	1,2-Dibromoethane	12.42	107	7330	0.92 ug/L	93
64)	Chlorobenzene	13.07	112	18962	1.07 ug/L	92
65)	1,1,1,2-Tetrachloroethane	13.15	131	6333	1.01 ug/L	90
66)	Ethylbenzene	13.17	91	26371	1.02 ug/L	99
67)	m,p-Xylene	13.30	106	22426	2.26 ug/L	90
68)	o-Xylene	13.96	106	10356	1.05 ug/L	96
69)	Styrene	14.01	104	18459	1.09 ug/L	92
70)	Bromoform	14.49	173	5000	0.84 ug/L	86
71)	Isopropylbenzene	14.52	105	27558	1.04 ug/L	97
72)	1,1,2,2-Tetrachloroethane	14.79	83	7814	1.09 ug/L	97
74)	1,2,3-Trichloropropane	15.01	75	5495	1.00 ug/L	99
75)	trans-1,4-Dichloro-2-buten	15.14	89	2557	1.14 ug/L	91
76)	n-Propylbenzene	15.14	91	32167	1.07 ug/L	99
77)	Bromobenzene	15.17	156	8136	1.10 ug/L	93

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\041706C\C58354SI.D Vial: 3
Acq On : 17 Apr 2006 12:21 pm Operator:
Sample : 1 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 13:53 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

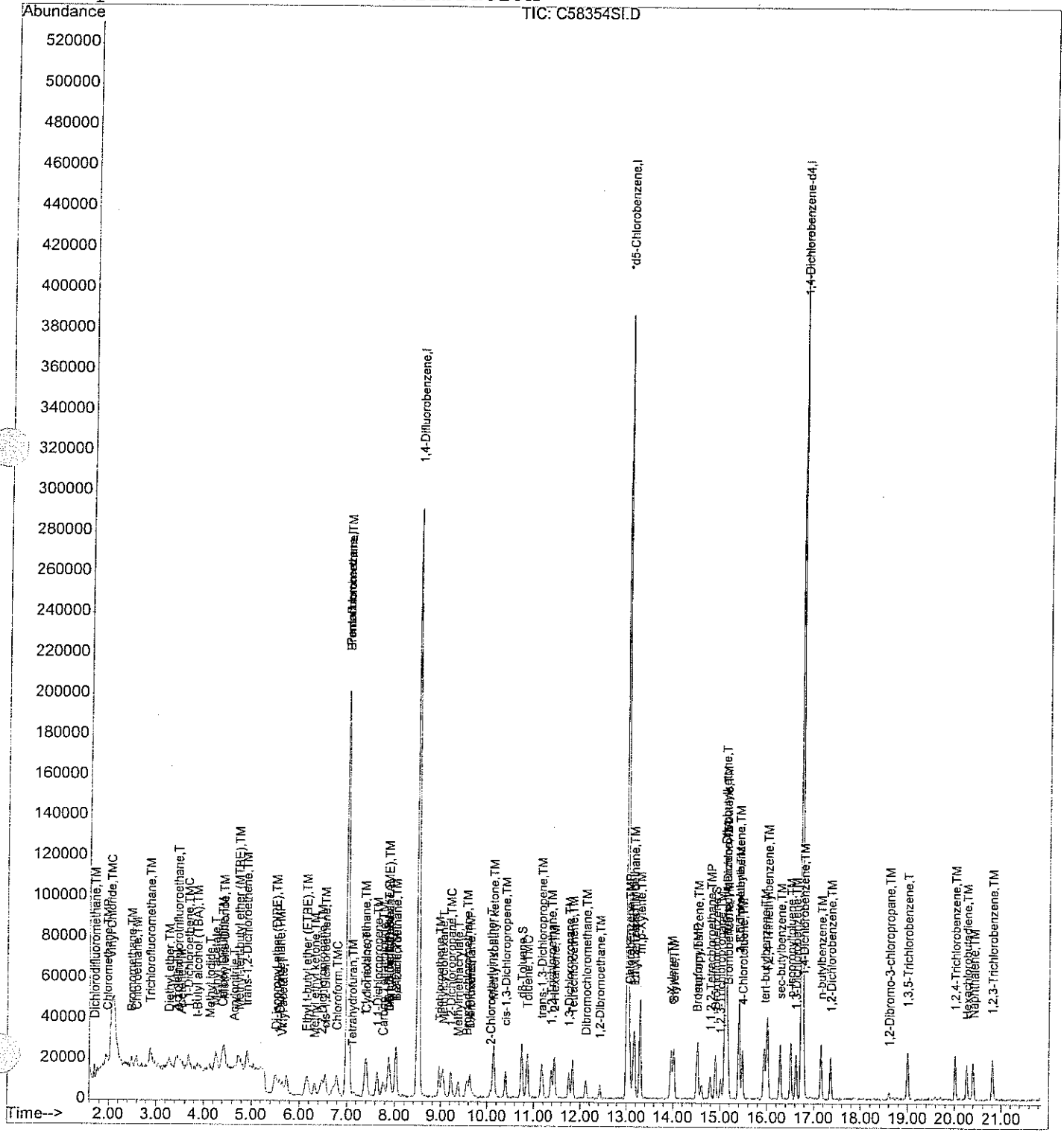
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
78)	1,3,5-Trimethylbenzene	15.40	105	22620	1.04	ug/L	89
79)	2-Chlorotoluene	15.40	91	21628	1.06	ug/L	100
80)	4-Chlorotoluene	15.48	91	19205	1.03	ug/L	100
81)	tert-butylbenzene	15.95	119	20936	1.10	ug/L	85
82)	1,2,4-Trimethylbenzene	16.01	105	23351	1.05	ug/L	94
83)	Diisobutylketone	15.10	57	82140	4.97	ug/L	96
84)	sec-butylbenzene	16.29	105	31199	1.06	ug/L	86
85)	p-isopropyltoluene	16.50	119	24877	1.07	ug/L	96
86)	1,3-Dichlorobenzene	16.62	146	13343	1.05	ug/L	97
88)	1,4-Dichlorobenzene	16.79	146	13053	0.95	ug/L	96
89)	n-butylbenzene	17.16	91	21967	0.96	ug/L	98
90)	1,2-Dichlorobenzene	17.36	146	12604	1.00	ug/L	95
92)	1,2-Dibromo-3-chloropropan	18.60	75	1338	0.89	ug/L	96
94)	1,2,4-Trichlorobenzene	20.01	180	10316	0.95	ug/L	93
95)	Hexachlorobutadiene	20.26	225	5471	0.97	ug/L	96
96)	Naphthalene	20.40	128	20667	1.00	ug/L	100
97)	1,2,3-Trichlorobenzene	20.81	180	9797	0.99	ug/L	97
98)	1,3,5-Trichlorobenzene	19.00	180	11278	0.93	ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\041706C\C58354SI.D Vial: 3
Acq On : 17 Apr 2006 12:21 pm Operator:
Sample : 1 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 17 13:53 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Apr 17 15:48:39 2006
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\041706C\C58354SI.D
Acq On : 17 Apr 2006 12:21 pm
Sample : 1 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Apr 17 13:52 2006

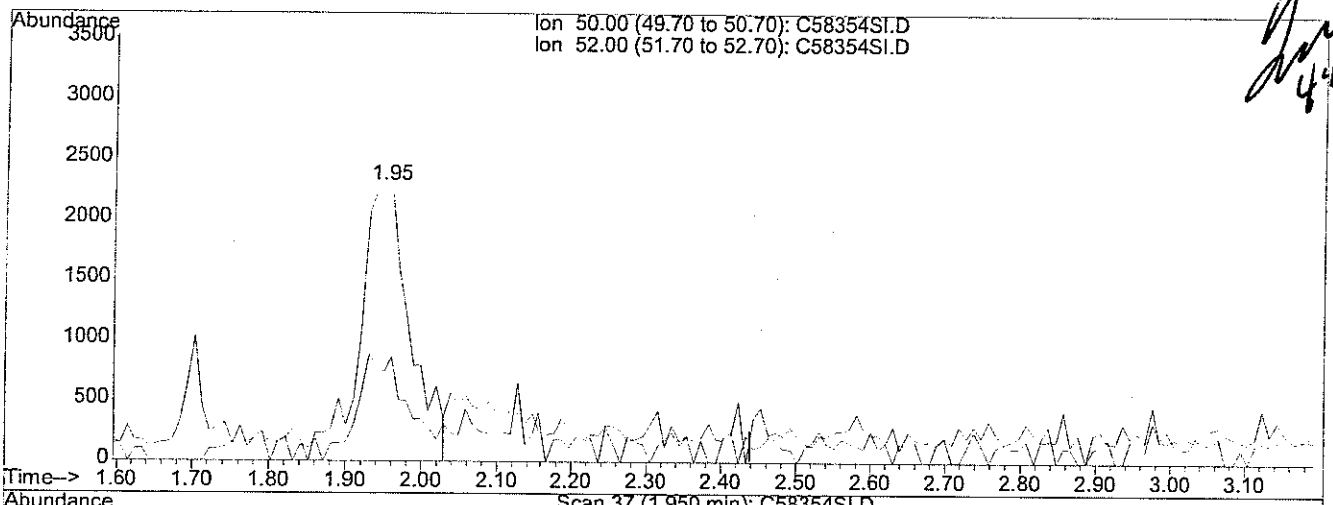
Vial: 3
Operator:
Inst : Instr_C
Multiplr: 1.00

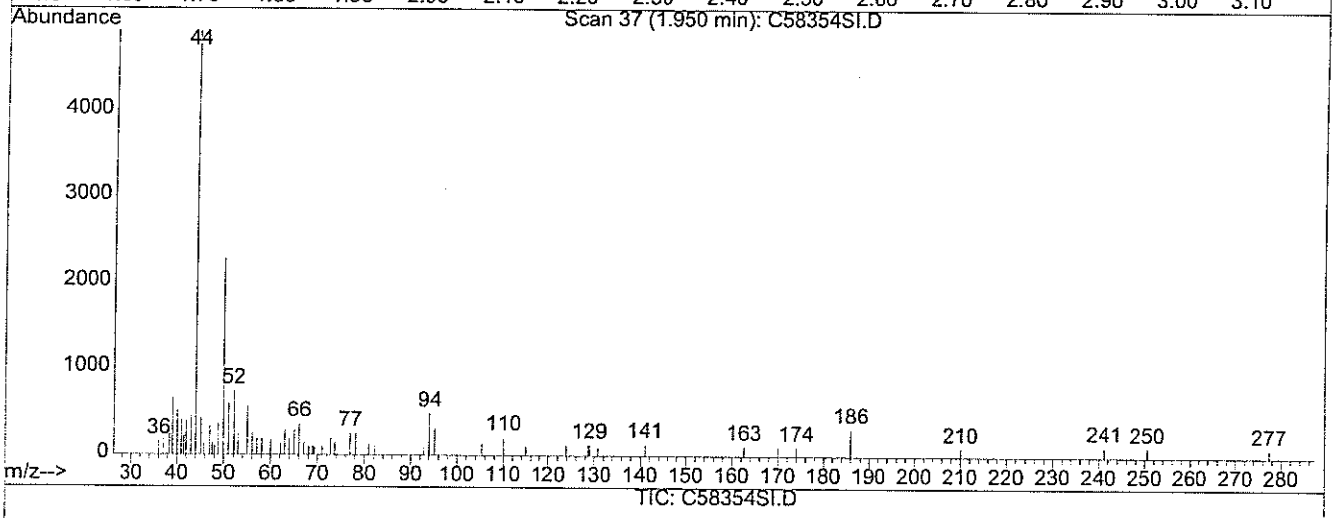
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Multiple Level Calibration

MT 4/18/06
extra area

4.18.06





TIC: C58354SI.D

(3) Chloromethane (TMP)

1.95min 1.24ug/L

response 10542

Ion	Exp%	Act%
50.00	100	100
52.00	31.70	27.74
0.00	0.00	0.00
0.00	0.00	0.00

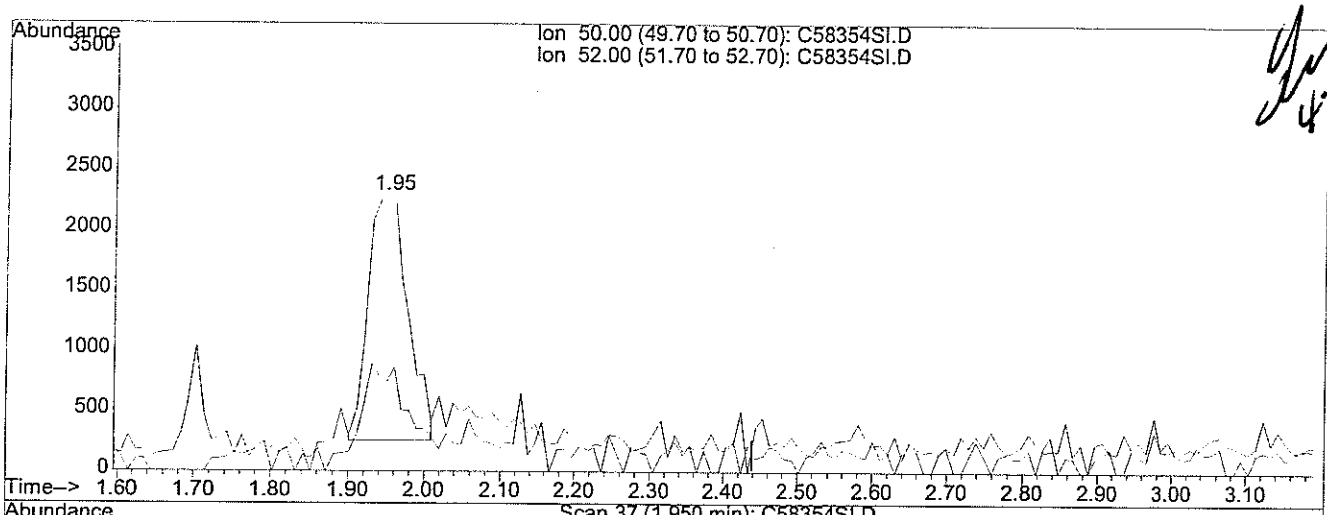
Quantitation Report (Qedit)

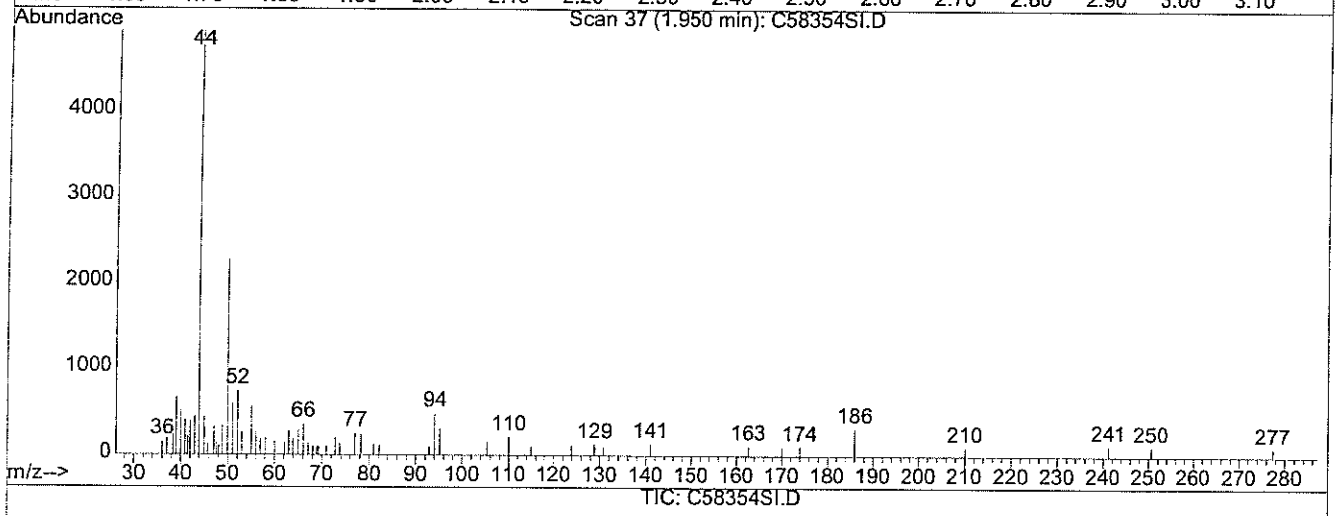
Data File : D:\HPCHEM\1\DATA\041706C\C58354SI.D
Acq On : 17 Apr 2006 12:21 pm
Sample : 1 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Apr 17 13:52 2006

Vial: 3
Operator:
Inst : Instr_C
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Multiple Level Calibration

MT 4/18/06





TIC: C58354SI.D

(3) Chloromethane (TMP)

1.95min 0.87ug/L m

response 7364

Ion	Exp%	Act%
50.00	100	100
52.00	31.70	32.66
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

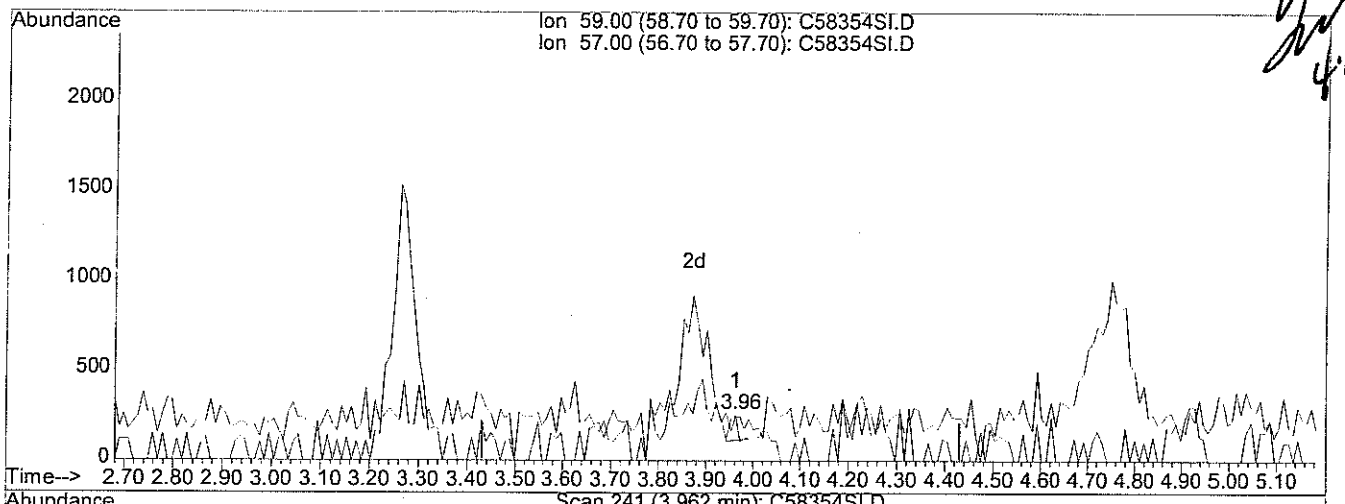
Data File : D:\HPCHEM\1\DATA\041706C\C58354SI.D
Acq On : 17 Apr 2006 12:21 pm
Sample : 1 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Apr 17 13:52 2006

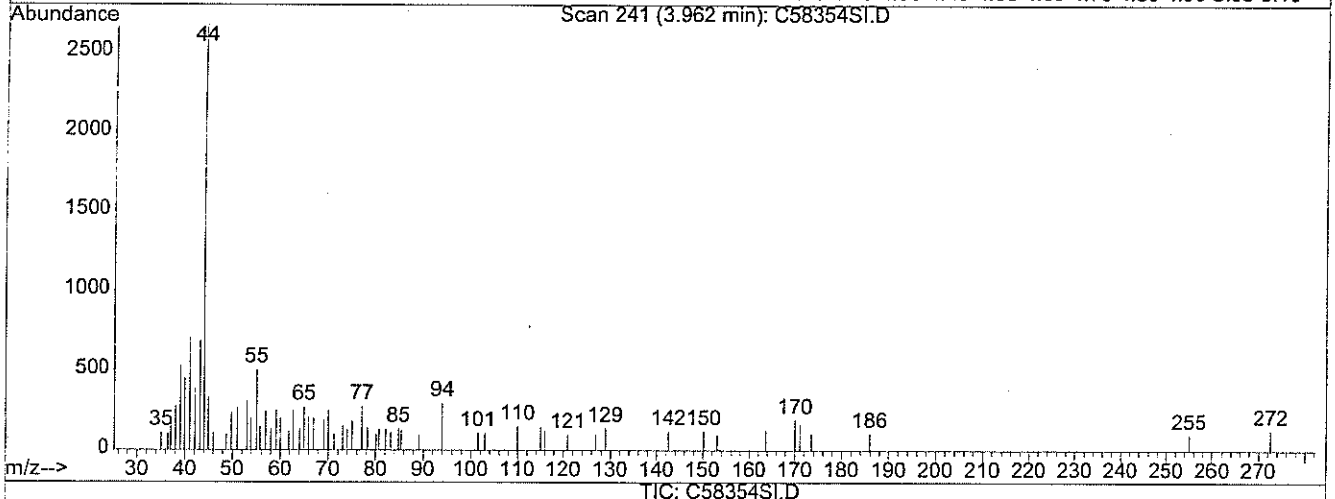
Vial: 3
Operator:
Inst : Instr_C
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Multiple Level Calibration

MT 4/18/06
Missed peak

4.18.06





(7) t-Butyl alcohol (TBA) (TM)

3.96min 0.19ug/L

response 161

Ion	Exp%	Act%
59.00	100	100
57.00	14.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\041706C\C58354SI.D
Acq On : 17 Apr 2006 12:21 pm
Sample : 1 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Apr 17 13:53 2006

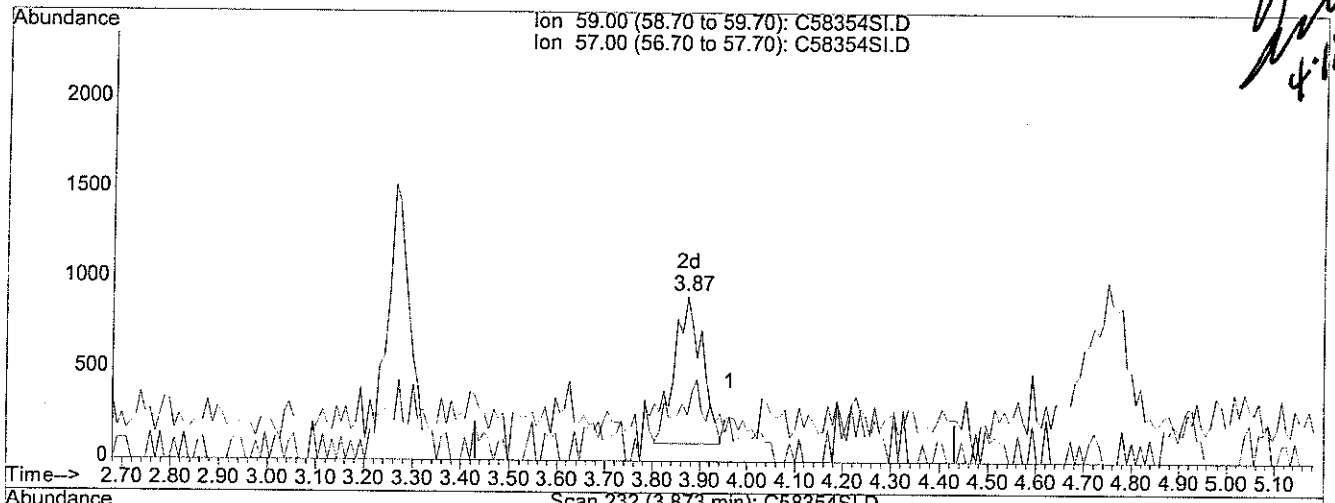
Vial: 3
Operator:
Inst : Instr_C
Multiplr: 1.00

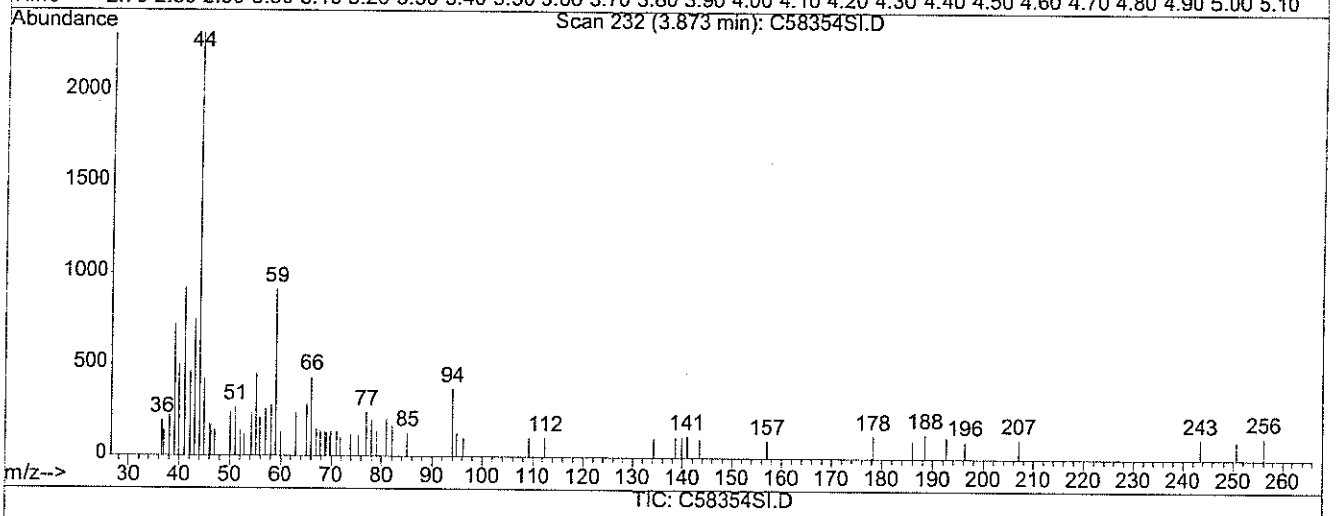
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Multiple Level Calibration

MT 4/18/06

4-18-06





TIC: C58354SI.D

(7) t-Butyl alcohol (TBA) (TM)

3.87min 3.86ug/L m

response 3240

Ion	Exp%	Act%
59.00	100	100
57.00	14.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\041706C\C58356SI.D Vial: 5
Acq On : 17 Apr 2006 1:11 pm Operator:
Sample : 5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 13:55 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/18/06 4.18.06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	239660	20.00	ug/L	0.00
39) 1,4-Difluorobenzene	8.50	114	380784	20.00	ug/L	0.00
63) *d5-Chlorobenzene	13.02	117	336657	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.74	152	169433	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.88	65	43072	4.13	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 20.65%#			
36) d4-1,2-Dichloroethane	7.88	65	43072	4.13	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 20.65%#			
54) d8-Toluene	10.75	98	97835	4.46	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 22.30%#			
73) Bromofluorobenzene	14.89	95	40026	4.37	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 21.85%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.71	85	37348	5.05	ug/L	100
3) Chloromethane	1.96	50	36125	4.34	ug/L	95
4) Vinyl Chloride	2.04	62	37284	4.58	ug/L	97
5) Bromomethane	2.49	94	19787	4.06	ug/L	94
6) Chloroethane	2.58	64	18884	4.54	ug/L	91
7) t-Butyl alcohol (TBA)	3.87	59	15121	18.38	ug/L #	78
8) Trichlorofluoromethane	2.89	101	69186	4.60	ug/L	96
9) Diethyl ether	3.27	74	10262	3.89	ug/L	93
10) 1,1,2-Trichlorotrifluoroet	3.46	101	28371	4.16	ug/L	97
11) Acrolein	3.44	56	7650	10.08	ug/L	99
12) Acetone	3.55	43	48519	19.14	ug/L	99
13) 1,1-Dichloroethene	3.68	96	21344	4.45	ug/L #	71
14) Methyl iodide	4.13	142	22356	3.29	ug/L	97
15) Di-isopropyl ether (DIPE)	5.52	45	99995	4.21	ug/L	94
16) Methylene Chloride	4.44	84	23004	4.36	ug/L	97
17) Carbon Disulfide	4.40	76	65312	3.73	ug/L	100
18) Acrylonitrile	4.66	53	9380	3.83	ug/L #	83
19) Methyl-tert-butyl ether (M	4.75	73	76669	3.89	ug/L	99
20) trans-1,2-Dichloroethene	4.92	61	49640	4.10	ug/L	98
21) 1,1-Dichloroethane	5.60	63	56786	4.27	ug/L	93
22) Vinyl acetate	5.65	43	28153	2.19	ug/L #	95
23) Methyl ethyl ketone	6.32	72	12468	22.24	ug/L	86
24) Ethyl t-butyl ether (ETBE)	6.16	59	95918	4.32	ug/L	97
25) 2,2-Dichloropropane	6.48	77	41798	4.27	ug/L	99
26) cis-1,2-Dichloroethene	6.56	96	32751	4.76	ug/L	96
27) t-Amyl methyl ether (TAME)	7.88	73	67462	4.22	ug/L	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\041706C\C58356SI.D Vial: 5
Acq On : 17 Apr 2006 1:11 pm Operator:
Sample : 5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 13:55 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
29)	Chloroform	6.79	83	52435	4.38	ug/L		99
30)	Bromochloromethane	7.04	128	16730	4.65	ug/L		96
31)	Tetrahydrofuran	7.15	71	2355	3.79	ug/L	#	78
32)	1,1,1-Trichloroethane	7.39	97	48103	4.25	ug/L		98
34)	1,1-Dichloropropene	7.63	75	38523	4.33	ug/L		100
35)	Carbon Tetrachloride	7.77	119	40037	4.24	ug/L		92
37)	1,2-Dichloroethane	8.03	62	53035	4.22	ug/L		95
38)	Benzene	8.03	78	90174	4.02	ug/L		99
40)	Trichloroethene	8.96	95	32982	4.61	ug/L		86
41)	1,2-Dichloropropane	9.23	63	30791	4.55	ug/L		97
42)	Methylmethacrylate	9.38	69	22779	5.31	ug/L		96
43)	Methyl acetate	4.24	43	40683	6.32	ug/L		96
44)	Cyclohexane	7.39	56	49383	4.44	ug/L		98
45)	Bromodichloromethane	9.56	83	37758	4.18	ug/L		94
46)	Dibromomethane	9.63	93	23267	4.47	ug/L		94
47)	1,4-Dioxane	9.64	88	7199	104.53	ug/L		97
48)	Methylcyclohexane	9.05	83	39100	4.49	ug/L		97
50)	2-Chloroethylvinyl ether	10.08	63	6482	4.12	ug/L		96
51)	2-Hexanone	11.44	58	50309	19.84	ug/L		98
52)	Methyl isobutyl ketone	10.14	58	53459	20.27	ug/L		100
53)	cis-1,3-Dichloropropene	10.40	75	44751	4.49	ug/L		97
55)	Toluene	10.87	92	59726	4.45	ug/L		91
56)	trans-1,3-Dichloropropene	11.16	75	41989	4.39	ug/L		94
58)	1,1,2-Trichloroethane	11.39	83	20658	4.70	ug/L		94
59)	1,3-Dichloropropane	11.76	76	38834	4.32	ug/L		98
60)	Tetrachloroethene	11.84	166	39798	4.78	ug/L		95
61)	Dibromochloromethane	12.13	129	33498	4.37	ug/L		96
62)	1,2-Dibromoethane	12.42	107	33600	4.28	ug/L		96
64)	Chlorobenzene	13.07	112	83661	4.80	ug/L		95
65)	1,1,1,2-Tetrachloroethane	13.15	131	29067	4.69	ug/L		94
66)	Ethylbenzene	13.17	91	121148	4.76	ug/L		97
67)	m,p-Xylene	13.30	106	98264	10.05	ug/L		93
68)	o-Xylene	13.95	106	47149	4.87	ug/L		91
69)	Styrene	14.01	104	82431	4.93	ug/L		95
70)	Bromoform	14.49	173	24261	4.16	ug/L		99
71)	Isopropylbenzene	14.52	105	123697	4.74	ug/L		95
72)	1,1,2,2-Tetrachloroethane	14.79	83	32119	4.54	ug/L		97
74)	1,2,3-Trichloropropane	15.01	75	24571	4.55	ug/L		96
75)	trans-1,4-Dichloro-2-buten	15.15	89	9895	4.49	ug/L		94
76)	n-Propylbenzene	15.15	91	139576	4.70	ug/L		99
77)	Bromobenzene	15.17	156	34897	4.80	ug/L		95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\041706C\C58356SI.D Vial: 5
Acq On : 17 Apr 2006 1:11 pm Operator:
Sample : 5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 13:55 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

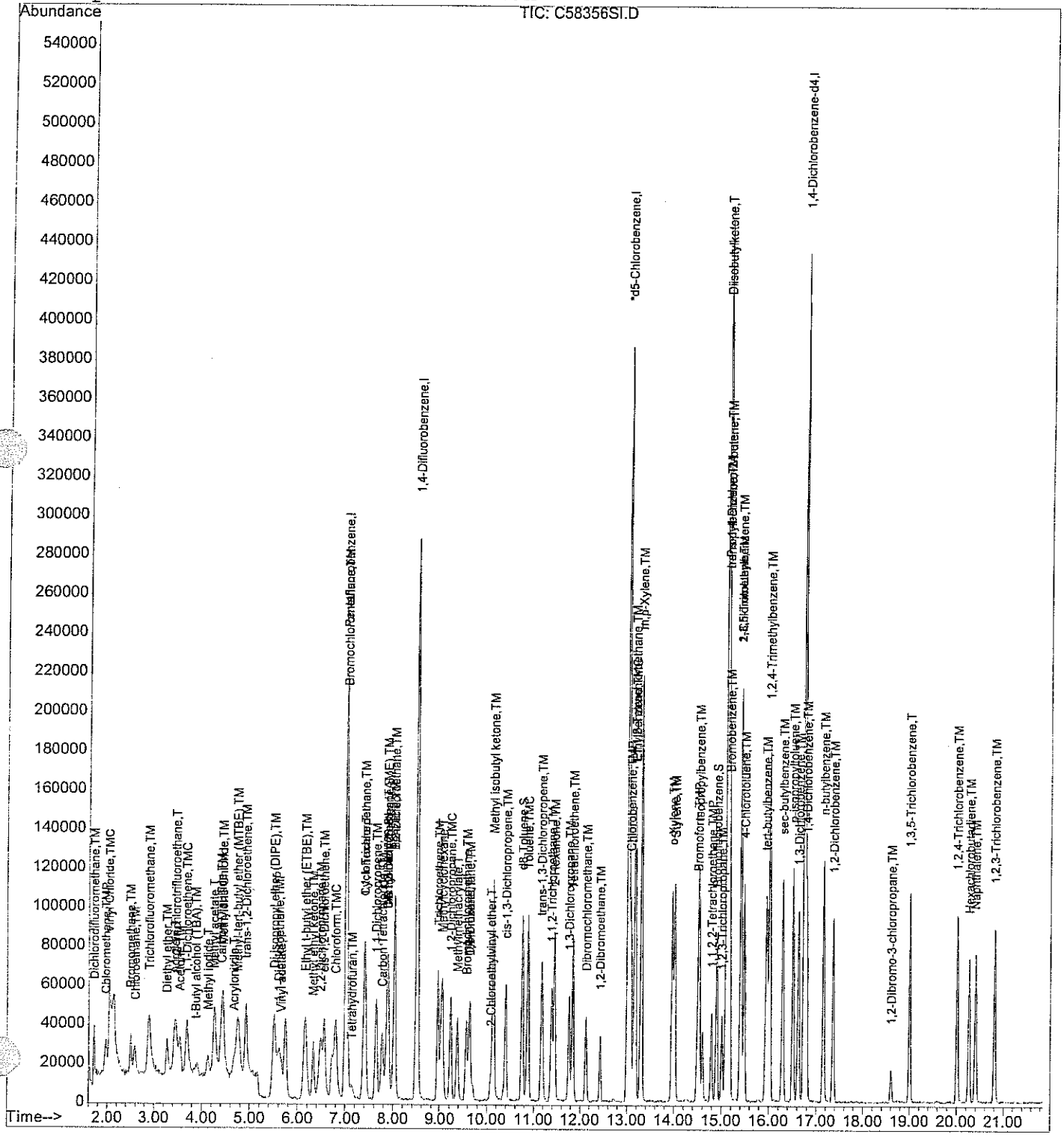
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
78)	1,3,5-Trimethylbenzene	15.40	105	101119	4.75	ug/L	96
79)	2-Chlorotoluene	15.40	91	94866	4.71	ug/L	99
80)	4-Chlorotoluene	15.48	91	88756	4.83	ug/L	97
81)	tert-butylbenzene	15.95	119	91394	4.89	ug/L	95
82)	1,2,4-Trimethylbenzene	16.01	105	106149	4.84	ug/L	98
83)	Diisobutylketone	15.11	57	371636	22.85	ug/L	95
84)	sec-butylbenzene	16.29	105	137638	4.75	ug/L	96
85)	p-isopropyltoluene	16.52	119	109811	4.80	ug/L	97
86)	1,3-Dichlorobenzene	16.62	146	60158	4.82	ug/L	98
88)	1,4-Dichlorobenzene	16.79	146	62046	4.55	ug/L	97
89)	n-butylbenzene	17.16	91	103167	4.55	ug/L	100
90)	1,2-Dichlorobenzene	17.36	146	57857	4.67	ug/L	98
92)	1,2-Dibromo-3-chloropropan	18.61	75	5705	3.85	ug/L	94
94)	1,2,4-Trichlorobenzene	20.02	180	46235	4.28	ug/L	99
95)	Hexachlorobutadiene	20.25	225	22640	4.06	ug/L	97
96)	Naphthalene	20.40	128	88593	4.35	ug/L	100
97)	1,2,3-Trichlorobenzene	20.81	180	43883	4.48	ug/L	99
98)	1,3,5-Trichlorobenzene	19.00	180	54024	4.50	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\041706C\C58356SI.D Vial: 5
Acq On : 17 Apr 2006 1:11 pm Operator:
Sample : 5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 17 13:55 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Apr 17 15:48:39 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\041706C\C58357SI.D
Acq On : 17 Apr 2006 1:44 pm
Sample : 20 PPB
Misc : 5000
Integration Params: rteint.p
Quant Time: Apr 17 13:57 2006

Vial: 6
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/18/06 4.18.06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	241982	20.00	ug/L	-0.01
39) 1,4-Difluorobenzene	8.49	114	389266	20.00	ug/L	-0.01
63) *d5-Chlorobenzene	13.02	117	349891	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.74	152	169896	20.00	ug/L	-0.01
System Monitoring Compounds						
28) DB Holder #28	7.87	65	180354	17.12	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 85.60%			
36) d4-1,2-Dichloroethane	7.87	65	180354	17.12	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 85.60%			
54) d8-Toluene	10.74	98	420629	18.77	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 93.85%			
73) Bromofluorobenzene	14.89	95	165886	17.41	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 87.05%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.70	85	159782	21.42	ug/L	96
3) Chloromethane	1.95	50	160680	19.13	ug/L	100
4) Vinyl Chloride	2.03	62	161840	19.68	ug/L	99
5) Bromomethane	2.48	94	94417	19.21	ug/L	98
6) Chloroethane	2.57	64	73888	17.60	ug/L	94
7) t-Butyl alcohol (TBA)	3.90	59	60544	72.87	ug/L	99
8) Trichlorofluoromethane	2.87	101	296321	19.51	ug/L	96
9) Diethyl ether	3.27	74	44528	16.74	ug/L	98
10) 1,1,2-Trichlorotrifluoroet	3.45	101	114015	16.57	ug/L	99
11) Acrolein	3.43	56	60014	78.30	ug/L	92
12) Acetone	3.53	43	193615	75.63	ug/L	99
13) 1,1-Dichloroethene	3.67	96	83984	17.33	ug/L	94
14) Methyl iodide	4.12	142	133924	19.53	ug/L	98
15) Di-isopropyl ether (DIPE)	5.51	45	421112	17.54	ug/L	96
16) Methylene Chloride	4.43	84	90038	16.90	ug/L	98
17) Carbon Disulfide	4.39	76	273752	15.50	ug/L	100
18) Acrylonitrile	4.66	53	41195	16.65	ug/L	96
19) Methyl-tert-butyl ether (M	4.74	73	317478	15.94	ug/L	100
20) trans-1,2-Dichloroethene	4.91	61	203872	16.67	ug/L	98
21) 1,1-Dichloroethane	5.60	63	237495	17.68	ug/L	98
22) Vinyl acetate	5.65	43	227086	17.50	ug/L #	95
23) Methyl ethyl ketone	6.32	72	50353	88.97	ug/L	92
24) Ethyl t-butyl ether (ETBE)	6.15	59	392054	17.48	ug/L	98
25) 2,2-Dichloropropane	6.47	77	178579	18.07	ug/L	97
26) cis-1,2-Dichloroethene	6.54	96	135789	19.56	ug/L	98
27) t-Amyl methyl ether (TAME)	7.87	73	279919	17.35	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\041706C\C58357SI.D Vial: 6
Acq On : 17 Apr 2006 1:44 pm Operator:
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 13:57 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
29) Chloroform	6.80	83	228169	18.88	ug/L	100
30) Bromochloromethane	7.03	128	72108	19.87	ug/L	94
31) Tetrahydrofuran	7.14	71	10983	17.53	ug/L	98
32) 1,1,1-Trichloroethane	7.39	97	204816	17.92	ug/L	97
34) 1,1-Dichloropropene	7.64	75	162716	18.13	ug/L	95
35) Carbon Tetrachloride	7.77	119	175531	18.41	ug/L	96
37) 1,2-Dichloroethane	8.02	62	224746	17.73	ug/L	97
38) Benzene	8.02	78	382078	16.87	ug/L	96
40) Trichloroethene	8.96	95	132553	18.13	ug/L	95
41) 1,2-Dichloropropane	9.22	63	125366	18.13	ug/L	99
42) Methylmethacrylate	9.37	69	75016	17.11	ug/L	97
43) Methyl acetate	4.24	43	111565	16.95	ug/L	96
44) Cyclohexane	7.40	56	198917	17.50	ug/L	98
45) Bromodichloromethane	9.56	83	168159	18.22	ug/L	99
46) Dibromomethane	9.63	93	100361	18.88	ug/L	97
47) 1,4-Dioxane	9.65	88	30580	434.36	ug/L	95
48) Methylcyclohexane	9.05	83	166465	18.71	ug/L	98
50) 2-Chloroethylvinyl ether	10.08	63	41010	15.88	ug/L	98
51) 2-Hexanone	11.43	58	208045	80.26	ug/L	100
52) Methyl isobutyl ketone	10.13	58	216516	80.30	ug/L	100
53) cis-1,3-Dichloropropene	10.40	75	187106	18.35	ug/L	99
55) Toluene	10.86	92	256304	18.67	ug/L	99
56) trans-1,3-Dichloropropene	11.16	75	179725	18.38	ug/L	98
58) 1,1,2-Trichloroethane	11.38	83	83918	18.69	ug/L	98
59) 1,3-Dichloropropane	11.76	76	165841	18.03	ug/L	95
60) Tetrachloroethene	11.84	166	156035	18.33	ug/L	99
61) Dibromochloromethane	12.13	129	143980	18.38	ug/L	96
62) 1,2-Dibromoethane	12.43	107	143407	17.86	ug/L	100
64) Chlorobenzene	13.08	112	337379	18.62	ug/L	96
65) 1,1,1,2-Tetrachloroethane	13.15	131	124678	19.37	ug/L	94
66) Ethylbenzene	13.18	91	503340	19.01	ug/L	98
67) m,p-Xylene	13.30	106	398786	39.25	ug/L	93
68) o-Xylene	13.96	106	194052	19.27	ug/L	95
69) Styrene	14.02	104	346648	19.94	ug/L	96
70) Bromoform	14.50	173	114132	18.85	ug/L	97
71) Isopropylbenzene	14.52	105	517748	19.09	ug/L	97
72) 1,1,2,2-Tetrachloroethane	14.79	83	131565	17.90	ug/L	99
74) 1,2,3-Trichloropropane	15.01	75	98179	17.50	ug/L	95
75) trans-1,4-Dichloro-2-buten	15.14	89	39920	17.42	ug/L	98
76) n-Propylbenzene	15.15	91	567048	18.36	ug/L	98
77) Bromobenzene	15.17	156	146025	19.33	ug/L	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\041706C\C58357SI.D Vial: 6
Acq On : 17 Apr 2006 1:44 pm Operator:
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 13:57 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

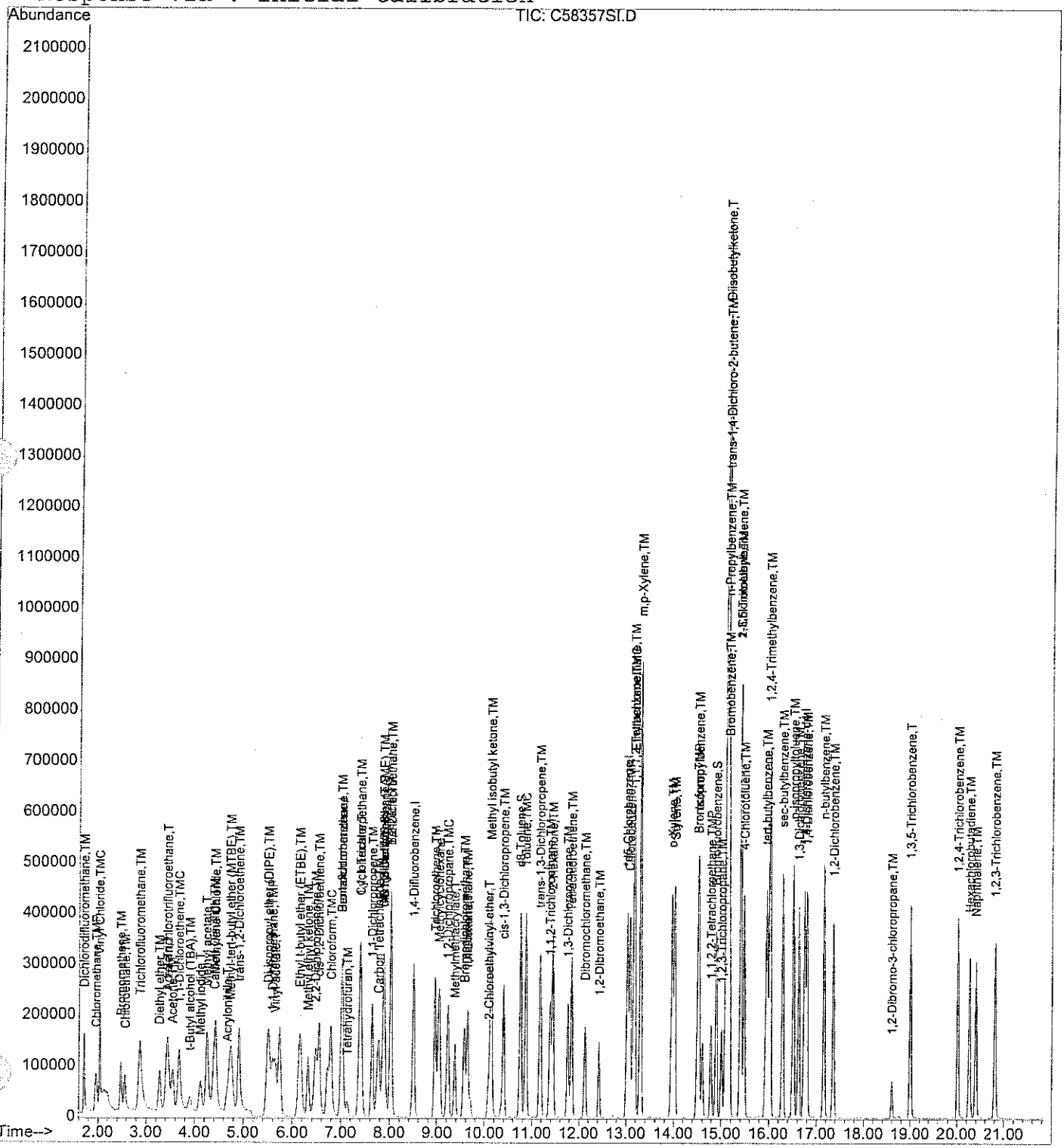
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
78)	1,3,5-Trimethylbenzene	15.41	105	419679	18.95	ug/L	96
79)	2-Chlorotoluene	15.40	91	386718	18.48	ug/L	100
80)	4-Chlorotoluene	15.48	91	362836	19.01	ug/L	99
81)	tert-butylbenzene	15.95	119	363942	18.75	ug/L	99
82)	1,2,4-Trimethylbenzene	16.01	105	421021	18.48	ug/L	98
83)	Diisobutylketone	15.11	57	1479612	87.53	ug/L	98
84)	sec-butylbenzene	16.28	105	572582	19.01	ug/L	98
85)	p-isopropyltoluene	16.51	119	458136	19.25	ug/L	97
86)	1,3-Dichlorobenzene	16.62	146	245027	18.90	ug/L	99
88)	1,4-Dichlorobenzene	16.79	146	247947	18.14	ug/L	99
89)	n-butylbenzene	17.15	91	416723	18.31	ug/L	100
90)	1,2-Dichlorobenzene	17.36	146	224124	18.02	ug/L	99
92)	1,2-Dibromo-3-chloropropan	18.60	75	24421	16.43	ug/L	96
94)	1,2,4-Trichlorobenzene	20.01	180	194811	18.00	ug/L	98
95)	Hexachlorobutadiene	20.26	225	97715	17.49	ug/L	93
96)	Naphthalene	20.40	128	346115	16.96	ug/L	100
97)	1,2,3-Trichlorobenzene	20.81	180	171917	17.51	ug/L	97
98)	1,3,5-Trichlorobenzene	19.01	180	217683	18.09	ug/L	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\041706C\C58357SI.D Vial: 6
Acq On : 17 Apr 2006 1:44 pm Operator:
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 17 13:57 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Apr 17 15:48:39 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\041706C\C58358SI.D Vial: 7
Acq On : 17 Apr 2006 2:24 pm Operator:
Sample : 50 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 14:25 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/18/06 4-18-06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.01	168	229040	20.00	ug/L	-0.02
39) 1,4-Difluorobenzene	8.50	114	367442	20.00	ug/L	0.00
63) *d5-Chlorobenzene	13.02	117	333852	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.75	152	164964	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.88	65	431526	43.28	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 216.40%#			
36) d4-1,2-Dichloroethane	7.88	65	431526	43.28	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 216.40%#			
54) d8-Toluene	10.74	98	972489	45.96	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 229.80%#			
73) Bromofluorobenzene	14.90	95	396687	43.63	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 218.15%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.69	85	383403	54.29	ug/L	98
3) Chloromethane	1.94	50	438601	55.16	ug/L	97
4) Vinyl Chloride	2.02	62	387069	49.72	ug/L	99
5) Bromomethane	2.44	94	250030	53.74	ug/L	98
6) Chloroethane	2.53	64	186457	46.93	ug/L	97
7) t-Butyl alcohol (TBA)	3.95	59	144334	183.53	ug/L #	92
8) Trichlorofluoromethane	2.85	101	709938	49.37	ug/L	97
9) Diethyl ether	3.27	74	104210	41.38	ug/L	96
10) 1,1,2-Trichlorotrifluoroet	3.42	101	272623	41.85	ug/L	98
11) Acrolein	3.43	56	136025	187.50	ug/L	97
12) Acetone	3.55	43	462242	190.76	ug/L	100
13) 1,1-Dichloroethene	3.65	96	203548	44.38	ug/L	96
14) Methyl iodide	4.10	142	382269	58.89	ug/L	96
15) Di-isopropyl ether (DIPE)	5.51	45	998677	43.96	ug/L	95
16) Methylene Chloride	4.41	84	209519	41.55	ug/L	93
17) Carbon Disulfide	4.36	76	671785	40.20	ug/L	100
18) Acrylonitrile	4.66	53	98321	41.98	ug/L	96
19) Methyl-tert-butyl ether (M	4.74	73	759986	40.32	ug/L	99
20) trans-1,2-Dichloroethene	4.90	61	505722	43.70	ug/L	100
21) 1,1-Dichloroethane	5.59	63	571356	44.95	ug/L	96
22) Vinyl acetate	5.65	43	556927	45.35	ug/L #	95
23) Methyl ethyl ketone	6.32	72	115416	215.45	ug/L	97
24) Ethyl t-butyl ether (ETBE)	6.15	59	938622	44.22	ug/L	99
25) 2,2-Dichloropropane	6.47	77	435353	46.55	ug/L	99
26) cis-1,2-Dichloroethene	6.54	96	320642	48.80	ug/L	96
27) t-Amyl methyl ether (TAME)	7.88	73	657739	43.07	ug/L	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\041706C\C58358SI.D Vial: 7
Acq On : 17 Apr 2006 2:24 pm Operator:
Sample : 50 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 14:25 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
29)	Chloroform	6.79	83	535536	46.82	ug/L	99
30)	Bromochloromethane	7.03	128	173871	50.61	ug/L	94
31)	Tetrahydrofuran	7.13	71	27245	45.94	ug/L	86
32)	1,1,1-Trichloroethane	7.38	97	504115	46.60	ug/L	99
34)	1,1-Dichloropropene	7.64	75	391730	46.11	ug/L	98
35)	Carbon Tetrachloride	7.77	119	443821	49.19	ug/L	97
37)	1,2-Dichloroethane	8.01	62	540964	45.08	ug/L	98
38)	Benzene	8.02	78	877920	40.95	ug/L	99
40)	Trichloroethene	8.96	95	320590	46.47	ug/L	94
41)	1,2-Dichloropropane	9.23	63	294791	45.15	ug/L	99
42)	Methylmethacrylate	9.37	69	174669	42.20	ug/L	99
43)	Methyl acetate	4.24	43	251467	40.47	ug/L	100
44)	Cyclohexane	7.39	56	477897	44.53	ug/L	99
45)	Bromodichloromethane	9.56	83	408651	46.91	ug/L	96
46)	Dibromomethane	9.63	93	238925	47.61	ug/L	94
47)	1,4-Dioxane	9.65	88	68240	1026.86	ug/L	99
48)	Methylcyclohexane	9.05	83	393979	46.91	ug/L	99
50)	2-Chloroethylvinyl ether	10.07	63	127273	46.92	ug/L	96
51)	2-Hexanone	11.44	58	478505	195.57	ug/L	99
52)	Methyl isobutyl ketone	10.13	58	494304	194.21	ug/L	100
53)	cis-1,3-Dichloropropene	10.40	75	456275	47.41	ug/L	98
55)	Toluene	10.86	92	593997	45.83	ug/L	100
56)	trans-1,3-Dichloropropene	11.16	75	443788	48.09	ug/L	97
58)	1,1,2-Trichloroethane	11.38	83	193877	45.74	ug/L	97
59)	1,3-Dichloropropane	11.76	76	382659	44.08	ug/L	99
60)	Tetrachloroethene	11.84	166	394317	49.08	ug/L	98
61)	Dibromochloromethane	12.13	129	363813	49.20	ug/L	100
62)	1,2-Dibromoethane	12.43	107	348720	46.00	ug/L	98
64)	Chlorobenzene	13.08	112	825376	47.74	ug/L	96
65)	1,1,1,2-Tetrachloroethane	13.15	131	301491	49.09	ug/L	98
66)	Ethylbenzene	13.18	91	1176420	46.57	ug/L	98
67)	m,p-Xylene	13.30	106	915009	94.39	ug/L	99
68)	o-Xylene	13.96	106	459739	47.85	ug/L	99
69)	Styrene	14.02	104	799658	48.21	ug/L	99
70)	Bromoform	14.50	173	283771	49.12	ug/L	98
71)	Isopropylbenzene	14.52	105	1233911	47.68	ug/L	98
72)	1,1,2,2-Tetrachloroethane	14.79	83	315331	44.97	ug/L	98
74)	1,2,3-Trichloropropane	15.01	75	233731	43.66	ug/L	96
75)	trans-1,4-Dichloro-2-buten	15.14	89	97181	44.44	ug/L	99
76)	n-Propylbenzene	15.15	91	1331264	45.17	ug/L	97
77)	Bromobenzene	15.18	156	349581	48.50	ug/L	91

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\041706C\C58358SI.D Vial: 7
Acq On : 17 Apr 2006 2:24 pm Operator:
Sample : 50 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 14:25 2006 Quant Results File: V804176C.RES

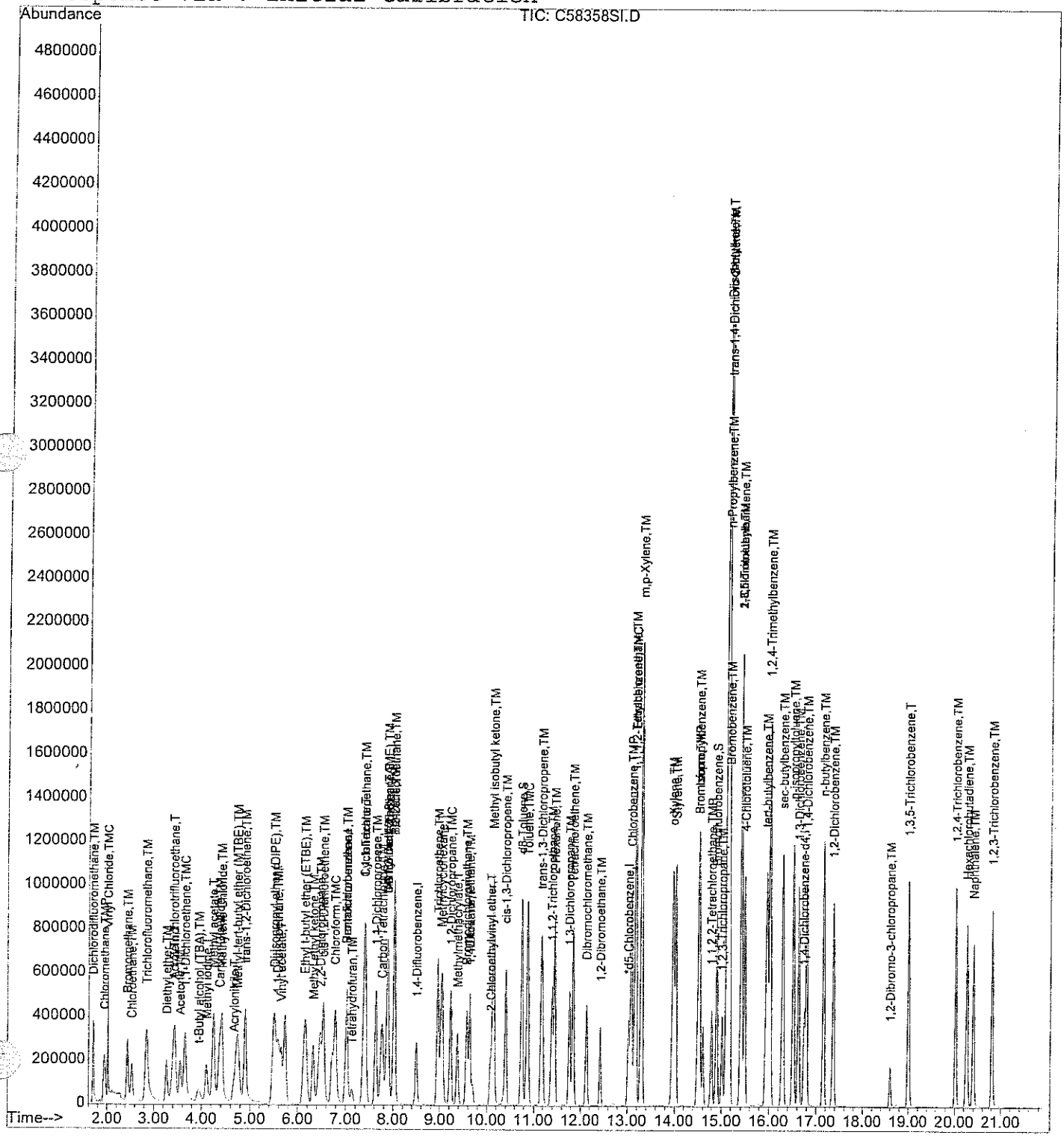
Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
78)	1,3,5-Trimethylbenzene	15.41	105	1001315	47.38	ug/L	100
79)	2-Chlorotoluene	15.41	91	934127	46.78	ug/L	99
80)	4-Chlorotoluene	15.49	91	862086	47.33	ug/L	98
81)	tert-butylbenzene	15.95	119	875736	47.29	ug/L	100
82)	1,2,4-Trimethylbenzene	16.01	105	1016908	46.77	ug/L	99
83)	Diisobutylketone	15.11	57	3444112	213.52	ug/L	98
84)	sec-butylbenzene	16.29	105	1358237	47.25	ug/L	97
85)	p-isopropyltoluene	16.51	119	1095665	48.26	ug/L	99
86)	1,3-Dichlorobenzene	16.62	146	589193	47.63	ug/L	99
88)	1,4-Dichlorobenzene	16.79	146	602585	45.40	ug/L	99
89)	n-butylbenzene	17.15	91	1006185	45.54	ug/L	99
90)	1,2-Dichlorobenzene	17.36	146	554123	45.89	ug/L	98
92)	1,2-Dibromo-3-chloropropan	18.60	75	62353	43.20	ug/L	98
94)	1,2,4-Trichlorobenzene	20.01	180	491445	46.77	ug/L	99
95)	Hexachlorobutadiene	20.26	225	260723	48.06	ug/L	99
96)	Naphthalene	20.40	128	857360	43.27	ug/L	100
97)	1,2,3-Trichlorobenzene	20.81	180	445201	46.70	ug/L	96
98)	1,3,5-Trichlorobenzene	19.01	180	547756	46.88	ug/L	98

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\041706C\C58358SI.D Vial: 7
Acq On : 17 Apr 2006 2:24 pm Operator:
Sample : 50 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 17 14:25 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Apr 17 15:48:39 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\041706C\C58359SI.D Vial: 8
Acq On : 17 Apr 2006 2:24 pm Operator:
Sample : 100 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 14:45 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/18/06

4.18.06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.01	168	218019	20.00	ug/L	-0.02
39) 1,4-Difluorobenzene	8.49	114	348915	20.00	ug/L	-0.02
63) *d5-Chlorobenzene	13.03	117	327955	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.74	152	162161	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.88	65	836207	88.11	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 440.55%#			
36) d4-1,2-Dichloroethane	7.88	65	836207	88.11	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 440.55%#			
54) d8-Toluene	10.75	98	1818597	90.51	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 452.55%#			
73) Bromofluorobenzene	14.90	95	749084	83.87	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 419.35%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.71	85	733564	109.13	ug/L	98
3) Chloromethane	1.97	50	892225	117.87	ug/L	96
4) Vinyl Chloride	2.02	62	715967	96.62	ug/L	97
5) Bromomethane	2.47	94	117050	26.43	ug/L	95
6) Chloroethane	2.51	64	377869	99.91	ug/L	92
7) t-Butyl alcohol (TBA)	4.08	59	297502m	397.42	ug/L	
8) Trichlorofluoromethane	2.82	101	1401291	102.38	ug/L	97
9) Diethyl ether	3.29	74	195436	81.53	ug/L	94
10) 1,1,2-Trichlorotrifluoroet	3.40	101	510605	82.34	ug/L	98
11) Acrolein	3.45	56	246605	357.11	ug/L	99
12) Acetone	3.60	43	925206	401.12	ug/L	99
13) 1,1-Dichloroethene	3.64	96	371224	85.04	ug/L	99
14) Methyl iodide	4.09	142	514675	83.30	ug/L	98
15) Di-isopropyl ether (DIPE)	5.53	45	1808783	83.64	ug/L	95
16) Methylene Chloride	4.42	84	402292	83.81	ug/L	98
17) Carbon Disulfide	4.36	76	1318762	82.90	ug/L	100
18) Acrylonitrile	4.69	53	197424	88.55	ug/L	98
19) Methyl-tert-butyl ether (M	4.76	73	1504247	83.85	ug/L	99
20) trans-1,2-Dichloroethene	4.89	61	974950	88.51	ug/L	99
21) 1,1-Dichloroethane	5.59	63	1052994	87.02	ug/L	97
22) Vinyl acetate	5.66	43	939371	80.36	ug/L #	97
23) Methyl ethyl ketone	6.35	72	225384	442.00	ug/L	98
24) Ethyl t-butyl ether (ETBE)	6.16	59	1766353	87.42	ug/L	99
25) 2,2-Dichloropropane	6.47	77	812751	91.29	ug/L	98
26) cis-1,2-Dichloroethene	6.55	96	598273	95.66	ug/L	95
27) t-Amyl methyl ether (TAME)	7.88	73	1243966	85.58	ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\041706C\C58359SI.D Vial: 8
Acq On : 17 Apr 2006 2:24 pm Operator:
Sample : 100 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 14:45 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
29)	Chloroform	6.79	83	1018429	93.53	ug/L	98
30)	Bromochloromethane	7.03	128	319938	97.84	ug/L	97
31)	Tetrahydrofuran	7.15	71	53500	94.76	ug/L	86
32)	1,1,1-Trichloroethane	7.39	97	953692	92.61	ug/L	99
34)	1,1-Dichloropropene	7.63	75	724471	89.59	ug/L	98
35)	Carbon Tetrachloride	7.76	119	839681	97.76	ug/L	100
37)	1,2-Dichloroethane	8.02	62	1026767	89.90	ug/L	99
38)	Benzene	8.02	78	1590709	77.94	ug/L	99
40)	Trichloroethene	8.95	95	593383	90.57	ug/L	98
41)	1,2-Dichloropropane	9.22	63	544840	87.89	ug/L	99
42)	Methylmethacrylate	9.38	69	358692	91.27	ug/L	99
43)	Methyl acetate	4.27	43	531306	90.04	ug/L	99
44)	Cyclohexane	7.39	56	868092	85.18	ug/L	100
45)	Bromodichloromethane	9.56	83	791571	95.69	ug/L	97
46)	Dibromomethane	9.63	93	429427	90.12	ug/L	97
47)	1,4-Dioxane	9.66	88	143594	2275.50	ug/L	99
48)	Methylcyclohexane	9.04	83	732178	91.81	ug/L	99
50)	2-Chloroethylvinyl ether	10.08	63	195322	73.24	ug/L	95
51)	2-Hexanone	11.45	58	960958	413.60	ug/L	98
52)	Methyl isobutyl ketone	10.15	58	978290	404.78	ug/L	100
53)	cis-1,3-Dichloropropene	10.40	75	857031	93.79	ug/L	99
55)	Toluene	10.87	92	1127799	91.63	ug/L	100
56)	trans-1,3-Dichloropropene	11.16	75	832498	95.00	ug/L	99
58)	1,1,2-Trichloroethane	11.38	83	372591	92.57	ug/L	98
59)	1,3-Dichloropropane	11.76	76	740967	89.88	ug/L	96
60)	Tetrachloroethene	11.84	166	740753	97.10	ug/L	98
61)	Dibromochloromethane	12.13	129	701810	99.94	ug/L	98
62)	1,2-Dibromoethane	12.43	107	658488	91.48	ug/L	99
64)	Chlorobenzene	13.07	112	1535173	90.39	ug/L	98
65)	1,1,1,2-Tetrachloroethane	13.15	131	590381	97.87	ug/L	96
66)	Ethylbenzene	13.18	91	2206624	88.91	ug/L	99
67)	m,p-Xylene	13.30	106	1663060	174.64	ug/L	90
68)	o-Xylene	13.96	106	856364	90.73	ug/L	96
69)	Styrene	14.02	104	1522806	93.47	ug/L	97
70)	Bromoform	14.49	173	572014	100.79	ug/L	97
71)	Isopropylbenzene	14.52	105	2237491	88.02	ug/L	100
72)	1,1,2,2-Tetrachloroethane	14.79	83	617701	89.69	ug/L	99
74)	1,2,3-Trichloropropane	15.02	75	461503	87.75	ug/L	96
75)	trans-1,4-Dichloro-2-buten	15.15	89	192775	89.73	ug/L	94
76)	n-Propylbenzene	15.16	91	2388196	82.49	ug/L	100
77)	Bromobenzene	15.18	156	648335	91.56	ug/L	99

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\041706C\C58359SI.D Vial: 8
Acq On : 17 Apr 2006 2:24 pm Operator:
Sample : 100 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 14:45 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

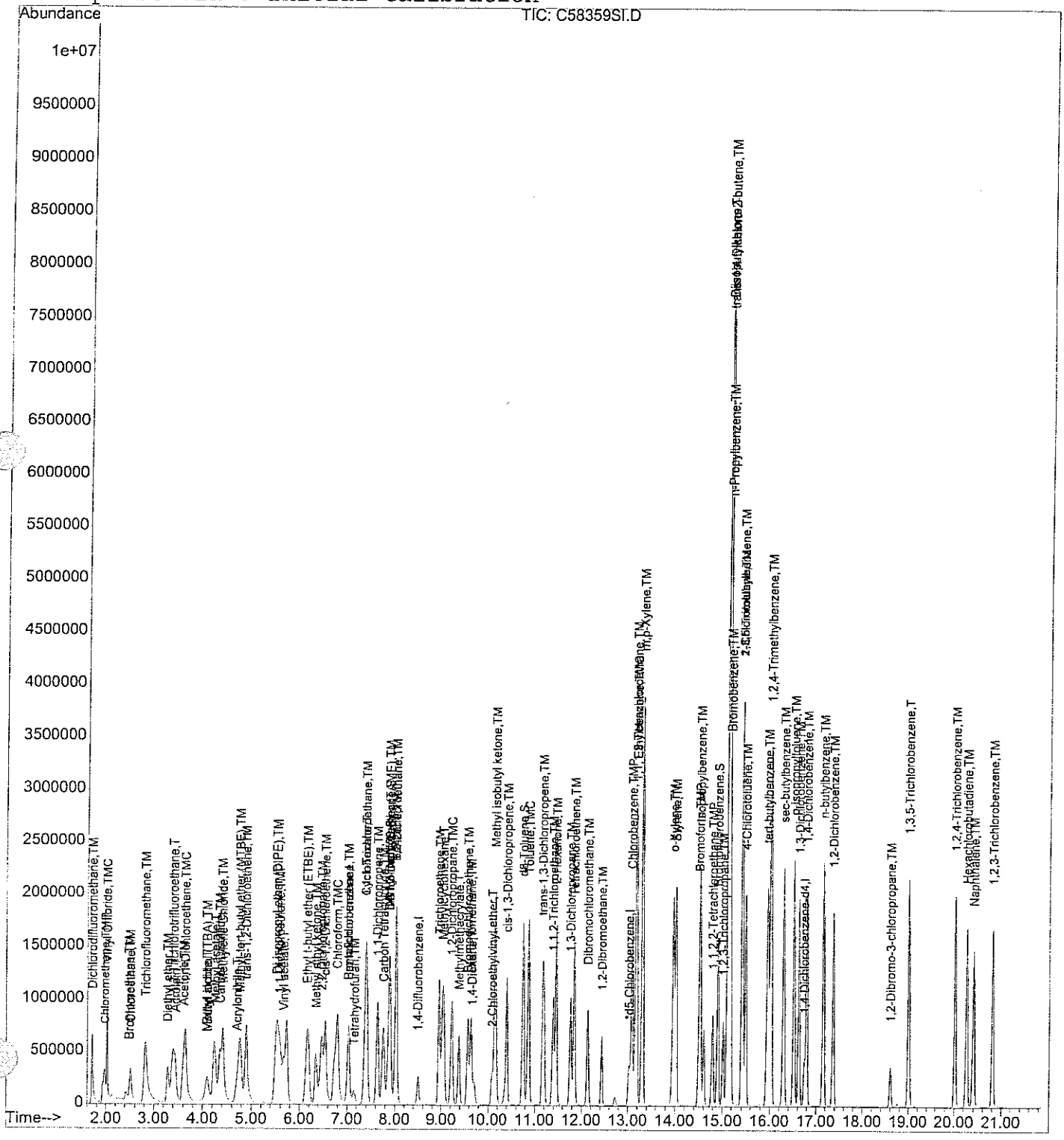
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
78)	1,3,5-Trimethylbenzene	15.41	105	1910868	92.05	ug/L	96
79)	2-Chlorotoluene	15.40	91	1781838	90.84	ug/L	96
80)	4-Chlorotoluene	15.49	91	1648623	92.14	ug/L	99
81)	tert-butylbenzene	15.95	119	1704636	93.70	ug/L	99
82)	1,2,4-Trimethylbenzene	16.01	105	1937861	90.73	ug/L	98
83)	Diisobutylketone	15.12	57	6916743	436.52	ug/L	95
84)	sec-butylbenzene	16.29	105	2606133	92.29	ug/L	97
85)	p-isopropyltoluene	16.52	119	2127205	95.38	ug/L	99
86)	1,3-Dichlorobenzene	16.62	146	1146471	94.34	ug/L	100
88)	1,4-Dichlorobenzene	16.79	146	1165878	89.35	ug/L	99
89)	n-butylbenzene	17.16	91	1904533	87.70	ug/L	99
90)	1,2-Dichlorobenzene	17.36	146	1063773	89.62	ug/L	99
92)	1,2-Dibromo-3-chloropropan	18.61	75	129787	91.47	ug/L	99
94)	1,2,4-Trichlorobenzene	20.02	180	1004908	97.28	ug/L	99
95)	Hexachlorobutadiene	20.26	225	530117	99.42	ug/L	99
96)	Naphthalene	20.40	128	1713371	87.96	ug/L	100
97)	1,2,3-Trichlorobenzene	20.82	180	878205	93.72	ug/L	97
98)	1,3,5-Trichlorobenzene	19.00	180	1126635	98.09	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\041706C\C58359SI.D Vial: 8
Acq On : 17 Apr 2006 2:24 pm Operator:
Sample : 100 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 17 14:45 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Apr 17 15:48:39 2006
Response via : Initial Calibration



Quantitation Report (Qedit)

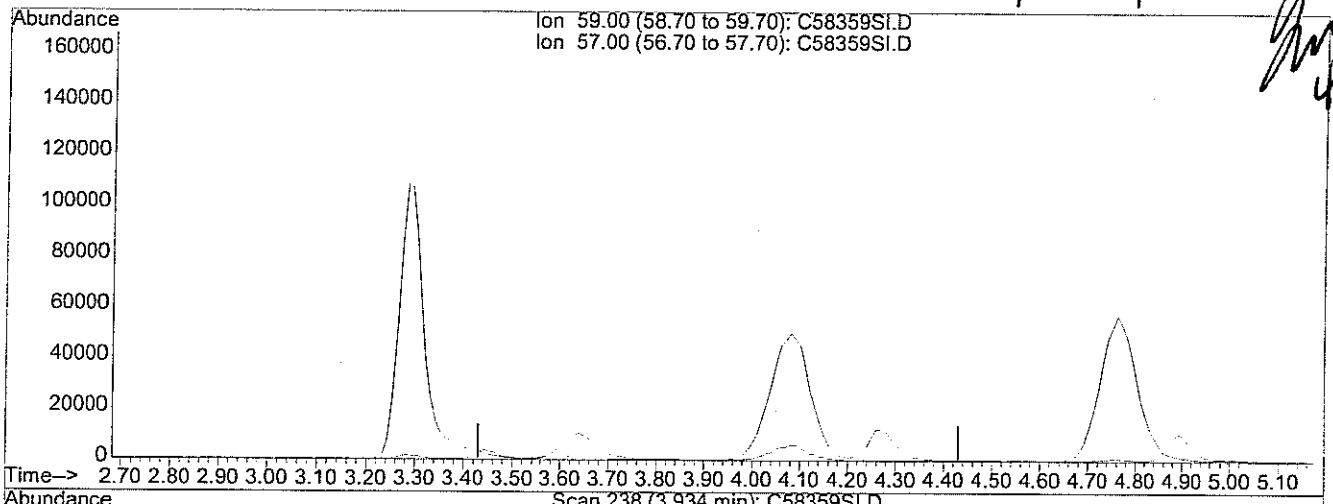
Data File : D:\HPCHEM\1\DATA\041706C\C58359SI.D
Acq On : 17 Apr 2006 2:24 pm
Sample : 100 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Apr 17 14:45 2006

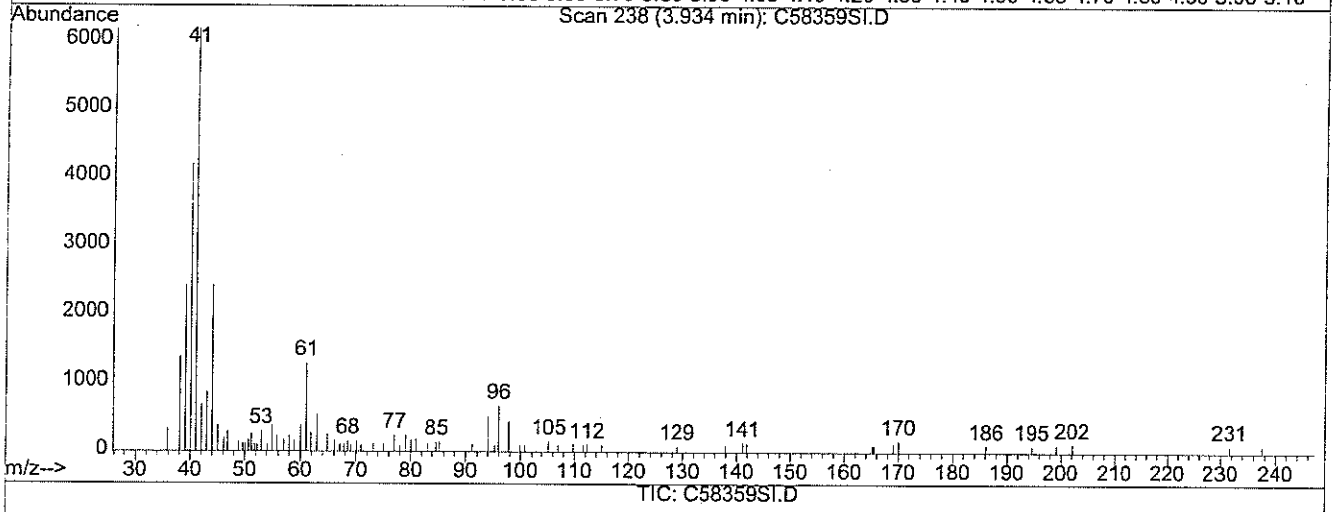
Vial: 8
Operator:
Inst : Instr_C
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Multiple Level Calibration

MT 4/18/06
missed peak

4-18-06





TIC: C58359SI.D

(7) t-Butyl alcohol (TBA) (TM)

3.93min 0.00ug/L

response 0

Ion	Exp%	Act%
59.00	100	0.00
57.00	14.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

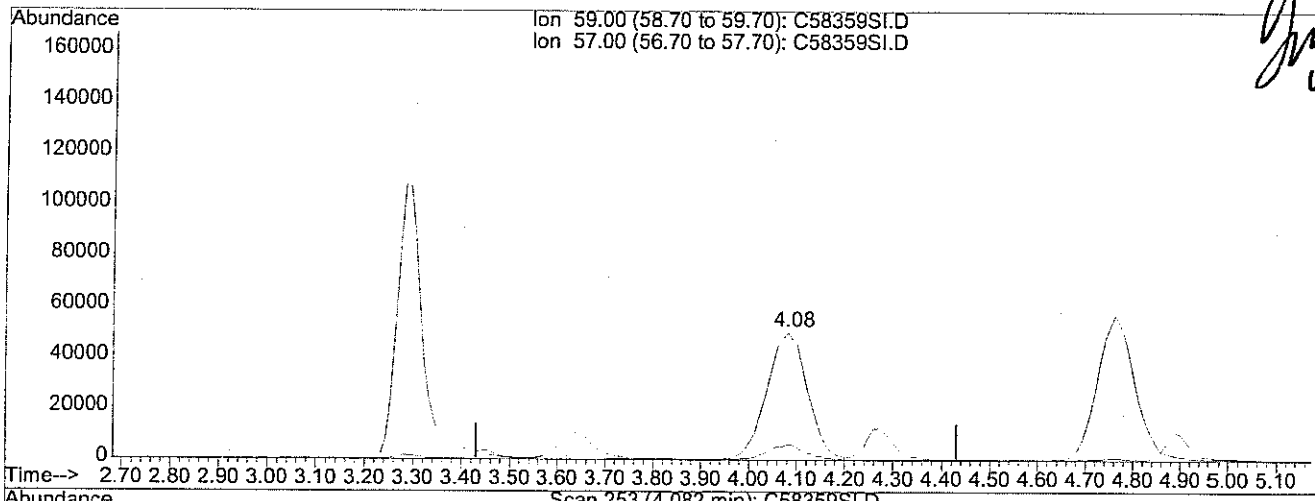
Data File : D:\HPCHEM\1\DATA\041706C\C58359SI.D
Acq On : 17 Apr 2006 2:24 pm
Sample : 100 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Apr 17 14:45 2006

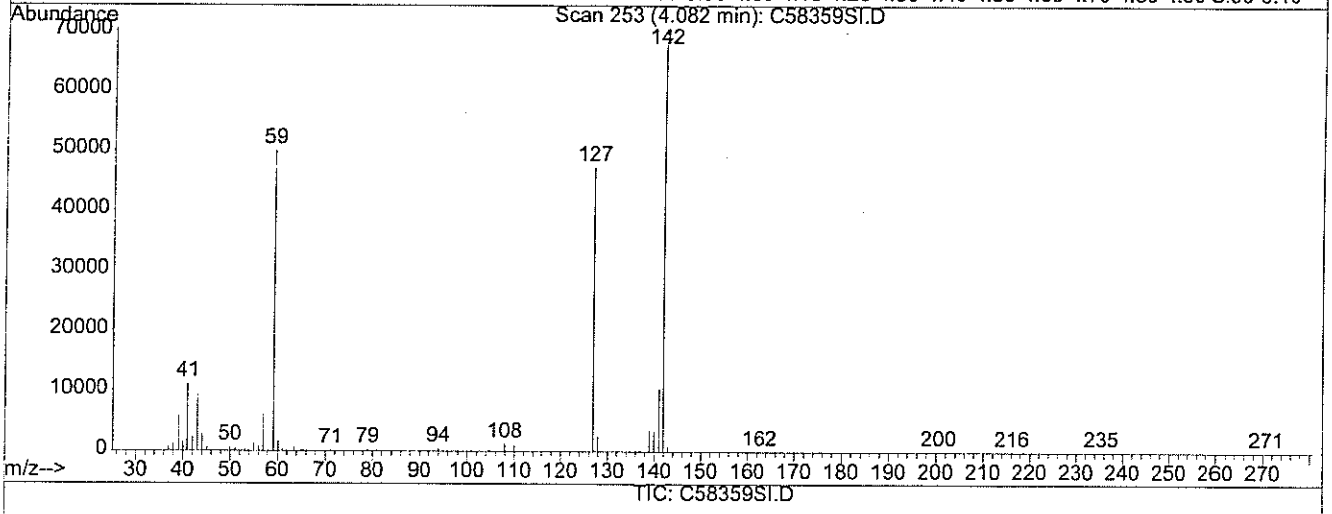
Vial: 8
Operator:
Inst : Instr_C
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Multiple Level Calibration

MT 4/18/06

4.18.06





TIC: C58359SI.D

(7) t-Butyl alcohol (TBA) (TM)

4.08min 397.42ug/L m

response 297502

Ion	Exp%	Act%
59.00	100	100
57.00	14.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\041706C\C58361SI.D Vial: 10
Acq On : 17 Apr 2006 3:34 pm Operator:
Sample : 2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 15:42 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Apr 17 15:31:16 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/18/06

4.18.06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	253155	20.00	ug/L	0.00
39) 1,4-Difluorobenzene	8.50	114	406676	20.00	ug/L	0.00
63) *d5-Chlorobenzene	13.02	117	354417	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.74	152	175800	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.88	65	19564	1.94	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 9.70%#			
36) d4-1,2-Dichloroethane	7.88	65	19564	1.94	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 9.70%#			
54) d8-Toluene	10.76	98	46415	1.88	ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 9.40%#			
73) Bromofluorobenzene	14.90	95	18806	2.11	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 10.55%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.70	85	16614	1.95	ug/L	92
3) Chloromethane	1.96	50	15333	1.79	ug/L	87
4) Vinyl Chloride	2.04	62	16851	1.92	ug/L	98
5) Bromomethane	2.49	94	8855	1.95	ug/L	91
6) Chloroethane	2.58	64	8917	2.08	ug/L	92
7) t-Butyl alcohol (TBA)	3.86	59	6701	10.20	ug/L	98
8) Trichlorofluoromethane	2.90	101	29962	1.89	ug/L	93
9) Diethyl ether	3.27	74	5695	2.29	ug/L	89
10) 1,1,2-Trichlorotrifluoroet	3.46	101	12884	2.09	ug/L	98
11) Acrolein	3.43	56	5891	10.77	ug/L	85
12) Acetone	3.54	43	21228	9.66	ug/L #	86
13) 1,1-Dichloroethene	3.70	96	8498	1.89	ug/L #	69
14) Methyl iodide	4.13	142	19748	2.82	ug/L	86
15) Di-isopropyl ether (DIPE)	5.51	45	44405	2.00	ug/L	100
16) Methylene Chloride	4.44	84	11346	2.31	ug/L #	83
17) Carbon Disulfide	4.40	76	28735	1.99	ug/L	100
18) Acrylonitrile	4.66	53	3599	1.73	ug/L #	79
19) Methyl-tert-butyl ether (M	4.74	73	29654	1.74	ug/L #	90
20) trans-1,2-Dichloroethene	4.92	61	20603	1.86	ug/L	86
21) 1,1-Dichloroethane	5.61	63	26000	2.06	ug/L	95
22) Vinyl acetate	5.66	43	21211	2.01	ug/L #	95
23) Methyl ethyl ketone	6.32	72	5460	10.16	ug/L	97
24) Ethyl t-butyl ether (ETBE)	6.16	59	40660	1.95	ug/L #	88
25) 2,2-Dichloropropane	6.48	77	19058	1.96	ug/L	98
26) cis-1,2-Dichloroethene	6.56	96	14831	2.07	ug/L	91
27) t-Amyl methyl ether (TAME)	7.89	73	28370	1.95	ug/L	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\041706C\C58361SI.D Vial: 10
Acq On : 17 Apr 2006 3:34 pm Operator:
Sample : 2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 15:42 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Apr 17 15:31:16 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
29)	Chloroform	6.80	83	23725	1.99	ug/L		89
30)	Bromochloromethane	7.04	128	6983	1.84	ug/L	#	90
31)	Tetrahydrofuran	7.16	71	1215	2.09	ug/L	#	72
32)	1,1,1-Trichloroethane	7.40	97	20514	1.89	ug/L		100
34)	1,1-Dichloropropene	7.64	75	17790	2.06	ug/L		91
35)	Carbon Tetrachloride	7.77	119	15639	1.75	ug/L		92
37)	1,2-Dichloroethane	8.03	62	23101	1.96	ug/L		98
38)	Benzene	8.03	78	41799	2.03	ug/L		98
40)	Trichloroethene	8.96	95	14553	2.03	ug/L		97
41)	1,2-Dichloropropane	9.23	63	13473	2.00	ug/L		98
42)	Methylmethacrylate	9.38	69	7577	1.82	ug/L		94
43)	Methyl acetate	4.25	43	9059	1.47	ug/L	#	84
44)	Cyclohexane	7.41	56	22128	2.03	ug/L		96
45)	Bromodichloromethane	9.56	83	16768	1.91	ug/L		97
46)	Dibromomethane	9.63	93	9948	1.93	ug/L		96
47)	1,4-Dioxane	9.64	88	2904	45.65	ug/L		84
48)	Methylcyclohexane	9.05	83	17663	2.03	ug/L		93
50)	2-Chloroethylvinyl ether	10.08	63	2153	2.74	ug/L		96
51)	2-Hexanone	11.45	58	22016	9.84	ug/L		95
52)	Methyl isobutyl ketone	10.14	58	22755	9.84	ug/L		98
53)	cis-1,3-Dichloropropene	10.40	75	19897	1.99	ug/L		95
55)	Toluene	10.86	92	27676	2.09	ug/L		95
56)	trans-1,3-Dichloropropene	11.16	75	17829	1.94	ug/L		96
58)	1,1,2-Trichloroethane	11.39	83	8649	1.97	ug/L		95
59)	1,3-Dichloropropane	11.76	76	17145	2.00	ug/L		98
60)	Tetrachloroethene	11.85	166	17383	2.03	ug/L		92
61)	Dibromochloromethane	12.13	129	13290	1.81	ug/L		99
62)	1,2-Dibromoethane	12.43	107	14575	1.96	ug/L		98
64)	Chlorobenzene	13.08	112	37458	2.14	ug/L		91
65)	1,1,1,2-Tetrachloroethane	13.15	131	12477	2.00	ug/L		95
66)	Ethylbenzene	13.18	91	55559	2.19	ug/L		93
67)	m,p-Xylene	13.30	106	45389	4.45	ug/L		94
68)	o-Xylene	13.96	106	21225	2.16	ug/L		99
69)	Styrene	14.02	104	36441	2.10	ug/L		92
70)	Bromoform	14.49	173	9425	1.71	ug/L		93
71)	Isopropylbenzene	14.52	105	56625	2.16	ug/L		98
72)	1,1,2,2-Tetrachloroethane	14.79	83	13626	1.96	ug/L		96
74)	1,2,3-Trichloropropane	15.02	75	10386	2.00	ug/L	#	89
75)	trans-1,4-Dichloro-2-buten	15.14	89	4003	1.88	ug/L		95
76)	n-Propylbenzene	15.15	91	66193	2.27	ug/L		97
77)	Bromobenzene	15.17	156	16681	2.23	ug/L		96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\041706C\C58361SI.D Vial: 10
Acq On : 17 Apr 2006 3:34 pm Operator:
Sample : 2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 15:42 2006 Quant Results File: V804176C.RES

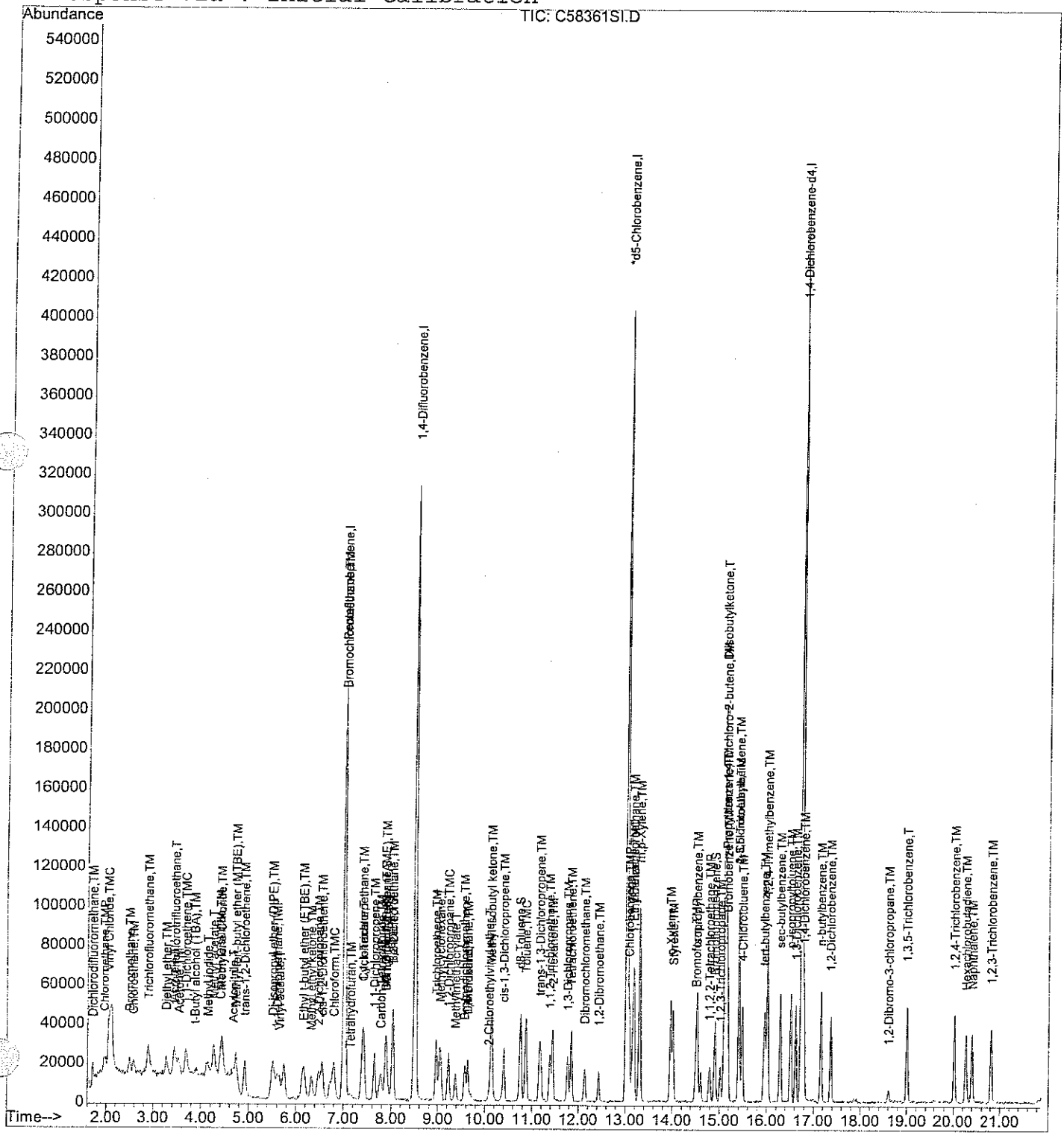
Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Apr 17 15:31:16 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
78)	1,3,5-Trimethylbenzene	15.41	105	47480	2.21	ug/L		97
79)	2-Chlorotoluene	15.40	91	44069	2.20	ug/L		99
80)	4-Chlorotoluene	15.48	91	39903	2.15	ug/L		95
81)	tert-butylbenzene	15.95	119	39960	2.09	ug/L		96
82)	1,2,4-Trimethylbenzene	16.01	105	46964	2.12	ug/L		94
83)	Diisobutylketone	15.11	57	165280	10.80	ug/L		95
84)	sec-butylbenzene	16.29	105	63847	2.18	ug/L		96
85)	p-isopropyltoluene	16.52	119	51135	2.17	ug/L		98
86)	1,3-Dichlorobenzene	16.62	146	27633	2.19	ug/L		96
88)	1,4-Dichlorobenzene	16.80	146	28472	2.22	ug/L		94
89)	n-butylbenzene	17.16	91	48948	2.28	ug/L		100
90)	1,2-Dichlorobenzene	17.36	146	25744	2.18	ug/L		97
92)	1,2-Dibromo-3-chloropropan	18.61	75	2426	1.88	ug/L	#	88
94)	1,2,4-Trichlorobenzene	20.02	180	21690	2.11	ug/L		98
95)	Hexachlorobutadiene	20.26	225	10511	2.01	ug/L		96
96)	Naphthalene	20.40	128	39260	2.07	ug/L		100
97)	1,2,3-Trichlorobenzene	20.81	180	19229	2.05	ug/L		97
98)	1,3,5-Trichlorobenzene	19.00	180	24539	2.13	ug/L		96

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\041706C\C58361SI.D Vial: 10
Acq On : 17 Apr 2006 3:34 pm Operator:
Sample : 2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 17 15:42 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Apr 17 15:48:39 2006
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : D:\HPCHEM\1\DATA\042406C\C58491SC.D
Acq On : 24 Apr 2006 10:53 am
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p

Vial: 11
Operator:
Inst : Instr_C
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Multiple Level Calibration

MT 4/25/06

4-25-06

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	✓92	-0.01
2	TM	Dichlorodifluoromethane	0.675	0.579	14.2	81	0.00
3	TMP	Chloromethane	0.677	0.606✓	10.5	84	0.02
4	TMC	Vinyl Chloride	0.692	0.632	✓8.7	87	0.00
5	TM	Bromomethane	0.358	0.370	-3.4	88	0.00
6	TM	Chloroethane	0.339	0.321	5.3	97	0.00
7	TM	t-Butyl alcohol (TBA)	0.052	0.048#	7.7	89	-0.01
8	TM	Trichlorofluoromethane	1.250	1.244	0.5	94	0.00
9	TM	Diethyl ether	0.197	0.190	3.6	95	0.00
10	T	1,1,2-Trichlorotrifluoroeth	0.488	0.500	-2.5	98	0.00
11	T	Acrolein	0.043	0.048#	-11.6	90	0.00
12	TM	Acetone	0.174	0.158	9.2	91	0.00
13	TMC	1,1-Dichloroethene	0.356	0.353	✓0.8	94	0.00
14	T	Methyl iodide	0.553	0.479	13.4	80	-0.01
15	TM	Di-isopropyl ether (DIPE)	1.755	1.813	-3.3	96	-0.01
16	TM	Methylene Chloride	0.388	0.385	0.8	95	-0.01
17	TM	Carbon Disulfide	1.140	1.298	-13.9	106	-0.01
18	T	Acrylonitrile	0.164	0.172	-4.9	93	-0.01
19	TM	Methyl-tert-butyl ether (MT	1.344	1.378	-2.5	97	-0.01
20	TM	trans-1,2-Dichloroethene	0.874	0.915	-4.7	100	0.00
21	TMP	1,1-Dichloroethane	0.998	1.066✓	-6.8	100	0.00
22	T	Vinyl acetate	0.832	0.993	-19.4	98	-0.01
23	TM	Methyl ethyl ketone	0.042	0.040#	4.8	89	0.00
24	TM	Ethyl t-butyl ether (ETBE)	1.644	1.700	-3.4	97	0.00
25	TM	2,2-Dichloropropane	0.767	0.748	2.5	93	-0.01
26	TM	cis-1,2-Dichloroethene	0.567	0.583	-2.8	96	0.00
27	TM	t-Amyl methyl ether (TAME)	1.150	1.211	-5.3	97	-0.01
28	S	DB Holder #28	0.795	0.721	9.3	89	0.00
29	TMC	Chloroform	0.941	0.992	✓-5.4	97	-0.01
30	TM	Bromochloromethane	0.301	0.291	3.3	90	0.00
31	TM	Tetrahydrofuran	0.046	0.049#	-6.5	99	-0.01
32	TM	1,1,1-Trichloroethane	0.856	0.902	-5.4	98	0.00
33	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.49
34	TM	1,1-Dichloropropene	0.681	0.705	-3.5	97	-0.01
35	TM	Carbon Tetrachloride	0.706	0.769	-8.9	98	0.00
36	S	d4-1,2-Dichloroethane	0.795	0.721	9.3	89	0.00
37	TM	1,2-Dichloroethane	0.929	0.953	-2.6	95	-0.01
38	TM	Benzene	1.623	1.639	-1.0	96	-0.01
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	✓88	-0.01
40	TM	Trichloroethene	0.352	0.378	-7.4	98	-0.01

(#) = Out of Range

Data File : D:\HPCHEM\1\DATA\042406C\C58491SC.D
Acq On : 24 Apr 2006 10:53 am
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p

Vial: 11
Operator:
Inst : Instr_C
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41	TMC	1,2-Dichloropropane	0.331	0.352	✓-6.3	96	-0.01
42	T	Methylmethacrylate	0.205	0.205	0.0	94	-0.01
43	T	Methyl acetate	0.302	0.303	-0.3	93	-0.01
44	T	Cyclohexane	0.535	0.586	-9.5	101	-0.01
45	TM	Bromodichloromethane	0.433	0.465	-7.4	95	0.00
46	TM	Dibromomethane	0.253	0.252	0.4	86	-0.01
47	T	1,4-Dioxane	0.003	0.003#	0.0	93	-0.02
48	T	Methylcyclohexane	0.427	0.471	-10.3	97	-0.01
49	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.49
50	T	2-Chloroethylvinyl ether	0.098	0.062#	✓ 36.7#	52	-0.01
51	TM	2-Hexanone	0.110	0.115	-4.5	95	0.00
52	TM	Methyl isobutyl ketone	0.114	0.120	-5.3	95	-0.01
53	TM	cis-1,3-Dichloropropene	0.492	0.524	-6.5	96	-0.01
[illegible]	S	d8-Toluene	1.119	1.092	2.4	89	0.00
55	TMC	Toluene	0.663	0.712	✓-7.4	95	-0.01
56	TM	trans-1,3-Dichloropropene	0.469	0.500	-6.6	96	-0.01
57	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.49
58	TM	1,1,2-Trichloroethane	0.218	0.227	-4.1	93	-0.01
59	TM	1,3-Dichloropropane	0.426	0.443	-4.0	92	-0.01
60	TM	Tetrachloroethene	0.427	0.461	-8.0	101	0.00
61	TM	Dibromochloromethane	0.368	0.401	-9.0	96	-0.01
62	TM	1,2-Dibromoethane	0.369	0.395	-7.0	95	-0.01
63	I	*d5-Chlorobenzene	1.000	1.000	0.0	✓86	-0.01
64	TMP	Chlorobenzene	1.008	1.092✓	-8.3	97	-0.01
65	TM	1,1,1,2-Tetrachloroethane	0.358	0.405	-13.1	97	-0.01
66	TMC	Ethylbenzene	1.457	1.588	✓-9.0	95	-0.01
67	TM	m,p-Xylene	0.584	0.633	-8.4	95	-0.01
68	TM	o-Xylene	0.565	0.616	-9.0	95	-0.01
69	TM	Styrene	0.994	1.072	-7.8	93	-0.01
70	TMP	Bromoform	0.310	0.360✓	-16.1	95	-0.02
71	TM	Isopropylbenzene	1.500	1.663	-10.9	97	-0.01
72	TMP	1,1,2,2-Tetrachloroethane	0.392	0.398✓	-1.5	91	-0.01
73	S	Bromofluorobenzene	0.508	0.487	4.1	88	-0.01
74	TM	1,2,3-Trichloropropane	0.291	0.309	-6.2	94	-0.01
75	TM	trans-1,4-Dichloro-2-butene	0.121	0.132	-9.1	99	-0.01
76	TM	n-Propylbenzene	1.680	1.791	-6.6	95	-0.01
77	TM	Bromobenzene	0.432	0.466	-7.9	96	-0.01
78	TM	1,3,5-Trimethylbenzene	1.238	1.330	-7.4	95	-0.01
[illegible]	TM	2-Chlorotoluene	1.158	1.236	-6.7	96	-0.01
80	TM	4-Chlorotoluene	1.063	1.099	-3.4	91	-0.01

(#) = Out of Range

Data File : D:\HPCHEM\1\DATA\042406C\C58491SC.D
Acq On : 24 Apr 2006 10:53 am
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p

Vial: 11
Operator:
Inst : Instr_C
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
81	TM	tert-butylbenzene	1.094	1.147	-4.8	95	-0.01
82	TM	1,2,4-Trimethylbenzene	1.259	1.355	-7.6	97	-0.01
83	T	Diisobutylketone	0.882	0.930	-5.4	94	-0.01
84	TM	sec-butylbenzene	1.686	1.743	-3.4	91	-0.01
85	TM	p-isopropyltoluene	1.354	1.392	-2.8	91	-0.01
86	TM	1,3-Dichlorobenzene	0.730	0.773	-5.9	95	-0.01
87	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	86	-0.01
88	TM	1,4-Dichlorobenzene	1.494	1.631	-9.2	96	-0.01
89	TM	n-butylbenzene	2.504	2.699	-7.8	95	-0.01
90	TM	1,2-Dichlorobenzene	1.379	1.475	-7.0	96	-0.01
91	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.49
92	TM	1,2-Dibromo-3-chloropropane	0.147	0.149	-1.4	89	-0.01
93	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.49
94	TM	1,2,4-Trichlorobenzene	1.185	1.246	-5.1	93	-0.01
95	TM	Hexachlorobutadiene	0.605	0.642	-6.1	96	-0.01
96	TM	Naphthalene	2.161	2.169	-0.4	92	-0.01
97	TM	1,2,3-Trichlorobenzene	1.075	1.102	-2.5	94	-0.01
98	T	1,3,5-Trichlorobenzene	1.331	1.421	-6.8	95	-0.01

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042406C\C58491SC.D
Acq On : 24 Apr 2006 10:53 am
Sample : 20 PPB
Misc : 5000
Integration Params: rteint.p
Quant Time: Apr 24 11:03 2006

Vial: 11
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/25/06

4-25-06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.00	168	223149	20.00	ug/L	-0.01
39) 1,4-Difluorobenzene	8.48	114	343459	20.00	ug/L	-0.01
63) *d5-Chlorobenzene	13.01	117	300470 ✓	20.00	ug/L	-0.01
87) 1,4-Dichlorobenzene-d4	16.73	152	146129	20.00	ug/L	-0.01
System Monitoring Compounds						
28) DB Holder #28	7.87	65	160931	18.15	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 90.75% ✓			
36) d4-1,2-Dichloroethane	7.87	65	160931	18.15	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 90.75% ✓			
54) d8-Toluene	10.74	98	375070	19.52	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 97.60% ✓			
73) Bromofluorobenzene	14.88	95	146309	19.16	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 95.80% ✓			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.70	85	129131	17.16	ug/L	99
3) Chloromethane	1.97	50	135314	17.92	ug/L	91
4) Vinyl Chloride	2.03	62	140966	18.25	ug/L	98
5) Bromomethane	2.48	94	82635	20.67	ug/L	98
6) Chloroethane	2.57	64	71724	18.95	ug/L	100
7) t-Butyl alcohol (TBA)	3.89	59	53614	92.55	ug/L	97
8) Trichlorofluoromethane	2.87	101	277562	19.90	ug/L	98
9) Diethyl ether	3.28	74	42404	19.30	ug/L	94
10) 1,1,2-Trichlorotrifluoroet	3.44	101	111604	20.49	ug/L	96
11) Acrolein	3.42	56	54088	112.21	ug/L	98
12) Acetone	3.53	43	176796	91.29	ug/L	98
13) 1,1-Dichloroethene	3.67	96	78719	19.84	ug/L	92
14) Methyl iodide	4.11	142	106979	17.35	ug/L	97
15) Di-isopropyl ether (DIPE)	5.50	45	404515	20.66	ug/L	100
16) Methylene Chloride	4.42	84	85819	19.83	ug/L	100
17) Carbon Disulfide	4.38	76	289669	22.78	ug/L	100
18) Acrylonitrile	4.65	53	38335	20.90	ug/L	96
19) Methyl-tert-butyl ether (M	4.73	73	307584	20.52	ug/L	98
20) trans-1,2-Dichloroethene	4.90	61	204286	20.94	ug/L	95
21) 1,1-Dichloroethane	5.59	63	237941	21.38	ug/L	99
22) Vinyl acetate	5.64	43	221519	23.85	ug/L	99
23) Methyl ethyl ketone	6.31	72	44774	94.56	ug/L	96
24) Ethyl t-butyl ether (ETBE)	6.15	59	379314	20.68	ug/L	99
25) 2,2-Dichloropropane	6.46	77	166900	19.51	ug/L	100
26) cis-1,2-Dichloroethene	6.54	96	130149	20.58	ug/L	91
27) t-Amyl methyl ether (TAME)	7.86	73	270129	21.06	ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042406C\C58491SC.D
Acq On : 24 Apr 2006 10:53 am
Sample : 20 PPB
Misc : 5000
Integration Params: rteint.p
Quant Time: Apr 24 11:03 2006

Vial: 11
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29) Chloroform	6.79	83	221444	21.09 ug/L	97
30) Bromochloromethane	7.02	128	64859	19.34 ug/L	96
31) Tetrahydrofuran	7.13	71	10877	21.25 ug/L	95
32) 1,1,1-Trichloroethane	7.39	97	201215	21.06 ug/L	99
34) 1,1-Dichloropropene	7.63	75	157212	20.68 ug/L	98
35) Carbon Tetrachloride	7.76	119	171635	21.78 ug/L	97
37) 1,2-Dichloroethane	8.01	62	212749	20.53 ug/L	100
38) Benzene	8.01	78	365680	20.19 ug/L	98
40) Trichloroethene	8.95	95	129752	21.48 ug/L	96
41) 1,2-Dichloropropane	9.21	63	120848	21.26 ug/L	98
42) Methylmethacrylate	9.36	69	70273	19.96 ug/L	98
43) Methyl acetate	4.23	43	104082	20.05 ug/L	98
44) Cyclohexane	7.39	56	201290	21.89 ug/L	98
45) Bromodichloromethane	9.56	83	159577	21.48 ug/L	95
46) Dibromomethane	9.62	93	86513	19.92 ug/L	99
47) 1,4-Dioxane	9.63	88	28556	531.56 ug/L	96
48) Methylcyclohexane	9.04	83	161763	22.06 ug/L	99
50) 2-Chloroethylvinyl ether	10.07	63	21137	12.56 ug/L	94
51) 2-Hexanone	11.43	58	196792	103.93 ug/L	98
52) Methyl isobutyl ketone	10.12	58	206062	105.54 ug/L	99
53) cis-1,3-Dichloropropene	10.39	75	179864	21.27 ug/L	97
55) Toluene	10.85	92	244680	21.48 ug/L	98
56) trans-1,3-Dichloropropene	11.15	75	171677	21.33 ug/L	96
58) 1,1,2-Trichloroethane	11.37	83	77824	20.78 ug/L	92
59) 1,3-Dichloropropane	11.75	76	152025	20.76 ug/L	97
60) Tetrachloroethene	11.84	166	158165	21.59 ug/L	98
61) Dibromochloromethane	12.12	129	137755	21.82 ug/L	99
62) 1,2-Dibromoethane	12.42	107	135619	21.38 ug/L	100
64) Chlorobenzene	13.07	112	328057	21.66 ug/L	99
65) 1,1,1,2-Tetrachloroethane	13.14	131	121542	22.63 ug/L	96
66) Ethylbenzene	13.17	91	477167	21.80 ug/L	100
67) m,p-Xylene	13.29	106	380158	43.32 ug/L	98
68) o-Xylene	13.95	106	185133	21.80 ug/L	96
69) Styrene	14.01	104	322102	21.57 ug/L	100
70) Bromoform	14.48	173	108126	23.20 ug/L	94
71) Isopropylbenzene	14.51	105	499766	22.17 ug/L	100
72) 1,1,2,2-Tetrachloroethane	14.77	83	119604	20.30 ug/L	97
74) 1,2,3-Trichloropropane	15.00	75	92738	21.18 ug/L	96
75) trans-1,4-Dichloro-2-buten	15.13	89	39512	21.67 ug/L	99
76) n-Propylbenzene	15.14	91	538146	21.32 ug/L	98
77) Bromobenzene	15.16	156	139894	21.55 ug/L	92

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042406C\C58491SC.D
Acq On : 24 Apr 2006 10:53 am
Sample : 20 PPB
Misc : 5000
Integration Params: rteint.p
Quant Time: Apr 24 11:03 2006

Vial: 11
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
78) 1,3,5-Trimethylbenzene	15.40	105	399691	21.49	ug/L		99
79) 2-Chlorotoluene	15.39	91	371513	21.36	ug/L		98
80) 4-Chlorotoluene	15.46	91	330154	20.67	ug/L		98
81) tert-butylbenzene	15.94	119	344615	20.96	ug/L		99
82) 1,2,4-Trimethylbenzene	16.00	105	407144	21.52	ug/L		100
83) Diisobutylketone	15.10	57	1396965	105.44	ug/L		99
84) sec-butylbenzene	16.27	105	523858	20.68	ug/L		96
85) p-isopropyltoluene	16.50	119	418321	20.57	ug/L		98
86) 1,3-Dichlorobenzene	16.61	146	232215	21.17	ug/L		98
88) 1,4-Dichlorobenzene	16.78	146	238332	21.83	ug/L		100
89) n-butylbenzene	17.14	91	394423	21.56	ug/L		99
90) 1,2-Dichlorobenzene	17.35	146	215492	21.38	ug/L		99
92) 1,2-Dibromo-3-chloropropan	18.59	75	21808	20.26	ug/L	#	85
94) 1,2,4-Trichlorobenzene	20.00	180	182044	21.03	ug/L		94
95) Hexachlorobutadiene	20.25	225	93825	21.21	ug/L		97
96) Naphthalene	20.39	128	317011	20.08	ug/L		100
97) 1,2,3-Trichlorobenzene	20.80	180	160979	20.50	ug/L		100
98) 1,3,5-Trichlorobenzene	18.99	180	207708	21.36	ug/L		98

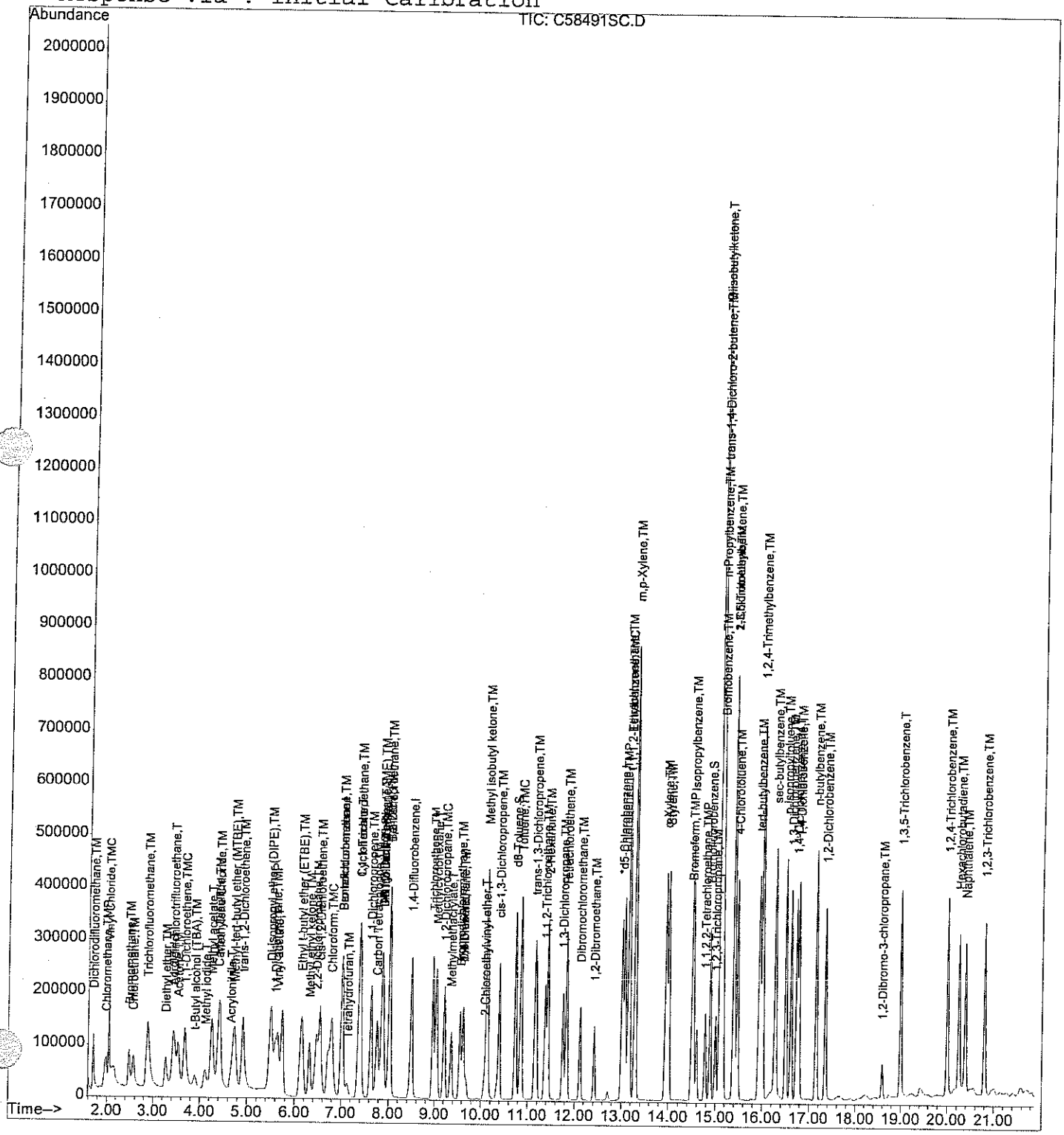
(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042406C\C58491SC.D
Acq On : 24 Apr 2006 10:53 am
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Apr 24 11:03 2006

Vial: 11
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : D:\HPCHEM\1\DATA\042506C\C58538SC.D
Acq On : 25 Apr 2006 11:17 am
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p

Vial: 6
Operator:
Inst : Instr_C
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Multiple Level Calibration

4/26/06 SL ✓ MT 4/26/06

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0 ✓	89	0.00
2	TM	Dichlorodifluoromethane	0.675	0.679	-0.6	91	0.00
3	TMP	Chloromethane	0.677	0.715 ✓	-5.6	95	0.01
4	TMC	Vinyl Chloride	0.692	0.739	✓-6.8	98	0.00
5	TM	Bromomethane	0.358	0.464 LCS M	-29.6#	105	0.00
6	TM	Chloroethane	0.339	0.355	-4.7	103	0.00
7	TM	t-Butyl alcohol (TBA)	0.052	0.060#	-15.4	105	0.00
8	TM	Trichlorofluoromethane	1.250	1.362	-9.0	98	0.00
9	TM	Diethyl ether	0.197	0.200	-1.5	96	0.00
10	T	1,1,2-Trichlorotrifluoroeth	0.488	0.537	-10.0	101	-0.02
11	T	Acrolein	0.043	0.054# LCS OK	-25.6# NT	95	0.00
12	TM	Acetone	0.174	0.199	-14.4	110	0.00
13	TMC	1,1-Dichloroethene	0.356	0.419	✓-17.7	107	0.00
14	T	Methyl iodide	0.553	0.453	18.1	72	0.00
15	TM	Di-isopropyl ether (DIPE)	1.755	1.912	-8.9	97	0.00
16	TM	Methylene Chloride	0.388	0.420	-8.2	100	0.00
17	TM	Carbon Disulfide	1.140	1.331	-16.8	104	0.00
18	T	Acrylonitrile	0.164	0.208 LCS Marg	-26.8# NT	108	0.00
19	TM	Methyl-tert-butyl ether (MT	1.344	1.471	-9.4	99	0.00
20	TM	trans-1,2-Dichloroethene	0.874	0.943	-7.9	99	0.00
21	TMP	1,1-Dichloroethane	0.998	1.103 ✓	-10.5	99	0.00
22	T	Vinyl acetate	0.832	1.070 LCS OK	-28.6# NT	101	0.00
23	TM	Methyl ethyl ketone	0.042	0.051# LCS OK	-21.4#	109	0.00
24	TM	Ethyl t-butyl ether (ETBE)	1.644	1.823	-10.9	100	0.00
25	TM	2,2-Dichloropropane	0.767	0.798	-4.0	96	0.00
26	TM	cis-1,2-Dichloroethene	0.567	0.642	-13.2	101	0.00
27	TM	t-Amyl methyl ether (TAME)	1.150	1.286	-11.8	98	0.00
28	S	DB Holder #28	0.795	0.756	4.9	90	0.00
29	TMC	Chloroform	0.941	1.041	✓-10.6	98	0.00
30	TM	Bromochloromethane	0.301	0.310	-3.0	92	0.00
31	TM	Tetrahydrofuran	0.046	0.059# LCS OK	-28.3#	116	0.00
32	TM	1,1,1-Trichloroethane	0.856	0.920	-7.5	96	0.00
33	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.49
34	TM	1,1-Dichloropropene	0.681	0.752	-10.4	99	0.00
35	TM	Carbon Tetrachloride	0.706	0.776	-9.9	95	0.00
36	S	d4-1,2-Dichloroethane	0.795	0.756	4.9	90	0.00
37	TM	1,2-Dichloroethane	0.929	1.007	-8.4	96	0.00
38	TM	Benzene	1.623	1.810	-11.5	101	0.00
39	I	1,4-Difluorobenzene	1.000	1.000	0.0 ✓	90	0.00
40	TM	Trichloroethene	0.352	0.381	-8.2	101	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\HPCHEM\1\DATA\042506C\C58538SC.D Vial: 6
Acq On : 25 Apr 2006 11:17 am Operator:
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41	TMC	1,2-Dichloropropane	0.331	0.354	✓-6.9	99	0.00
42	T	Methylmethacrylate	0.205	0.221	-7.8	103	0.00
43	T	Methyl acetate	0.302	0.331	-9.6	104	0.00
44	T	Cyclohexane	0.535	0.581	-8.6	102	0.00
45	TM	Bromodichloromethane	0.433	0.456	-5.3	95	0.00
46	TM	Dibromomethane	0.253	0.258	-2.0	90	0.00
47	T	1,4-Dioxane	0.003	0.004# lcs ok	-33.3# ok	107	-0.02
48	T	Methylcyclohexane	0.427	0.474	-11.0	100	0.00
49	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.49
50	T	2-Chloroethylvinyl ether	0.098	0.086#	12.2	73	0.00
51	TM	2-Hexanone	0.110	0.134 lcs ok	-21.8#	113	0.00
52	TM	Methyl isobutyl ketone	0.114	0.137 lcs ok	-20.2#	111	0.00
53	TM	cis-1,3-Dichloropropene	0.492	0.528	-7.3	99	0.00
54	S	d8-Toluene	1.119	1.125	-0.5	94	0.00
55	TMC	Toluene	0.663	0.723	✓-9.0	99	0.00
56	TM	trans-1,3-Dichloropropene	0.469	0.493	-5.1	96	0.00
57	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.49
58	TM	1,1,2-Trichloroethane	0.218	0.247	-13.3	103	0.00
59	TM	1,3-Dichloropropane	0.426	0.461	-8.2	97	0.00
60	TM	Tetrachloroethene	0.427	0.448	-4.9	101	0.00
61	TM	Dibromochloromethane	0.368	0.395	-7.3	96	0.00
62	TM	1,2-Dibromoethane	0.369	0.410	-11.1	100	0.00
63	I	*d5-Chlorobenzene	1.000	1.000	0.0	✓89	0.00
64	TMP	Chlorobenzene	1.008	1.096✓	-8.7	102	0.00
65	TM	1,1,1,2-Tetrachloroethane	0.358	0.374	-4.5	94	0.00
66	TMC	Ethylbenzene	1.457	1.556	✓-6.8	97	0.00
67	TM	m,p-Xylene	0.584	0.637	-9.1	100	0.00
68	TM	o-Xylene	0.565	0.630	-11.5	102	0.00
69	TM	Styrene	0.994	1.103	-11.0	100	0.00
70	TMP	Bromoform	0.310	0.348✓	-12.3	96	0.00
71	TM	Isopropylbenzene	1.500	1.618	-7.9	98	0.00
72	TMP	1,1,2,2-Tetrachloroethane	0.392	0.435✓	-11.0	103	0.00
73	S	Bromofluorobenzene	0.508	0.514	-1.2	97	0.00
74	TM	1,2,3-Trichloropropane	0.291	0.326	-12.0	104	0.00
75	TM	trans-1,4-Dichloro-2-butene	0.121	0.132	-9.1	103	0.00
76	TM	n-Propylbenzene	1.680	1.841	-9.6	102	0.00
77	TM	Bromobenzene	0.432	0.463	-7.2	99	0.00
78	TM	1,3,5-Trimethylbenzene	1.238	1.352	-9.2	101	0.00
79	TM	2-Chlorotoluene	1.158	1.243	-7.3	101	0.00
80	TM	4-Chlorotoluene	1.063	1.132	-6.5	98	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\HPCHEM\1\DATA\042506C\C58538SC.D Vial: 6
Acq On : 25 Apr 2006 11:17 am Operator:
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
81	TM	tert-butylbenzene	1.094	1.157	-5.8	100	0.00
82	TM	1,2,4-Trimethylbenzene	1.259	1.312	-4.2	97	0.00
83	T	Diisobutylketone	0.882	0.960	-8.8	101	0.00
84	TM	sec-butylbenzene	1.686	1.779	-5.5	97	0.00
85	TM	p-isopropyltoluene	1.354	1.394	-3.0	95	0.00
86	TM	1,3-Dichlorobenzene	0.730	0.760	-4.1	97	0.00
87	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00
88	TM	1,4-Dichlorobenzene	1.494	1.556	-4.1	98	0.00
89	TM	n-butylbenzene	2.504	2.695	-7.6	101	0.00
90	TM	1,2-Dichlorobenzene	1.379	1.437	-4.2	100	0.00
91	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.49
92	TM	1,2-Dibromo-3-chloropropane	0.147	0.164	-11.6	105	0.00
93	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.49
94	TM	1,2,4-Trichlorobenzene	1.185	1.227	-3.5	98	0.00
95	TM	Hexachlorobutadiene	0.605	0.602	0.5	96	0.00
96	TM	Naphthalene	2.161	2.265	-4.8	102	0.00
97	TM	1,2,3-Trichlorobenzene	1.075	1.113	-3.5	101	0.00
98	T	1,3,5-Trichlorobenzene	1.331	1.360	-2.2	97	0.00

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042506C\C58538SC.D Vial: 6
Acq On : 25 Apr 2006 11:17 am Operator:
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 25 12:04 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/26/06 4/26/06 ✓

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.01	168	214232	20.00	ug/L	0.00
39) 1,4-Difluorobenzene	8.50	114	350776 ✓	20.00	ug/L	0.00
63) *d5-Chlorobenzene	13.02	117	312938 ✓	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.74	152	155959	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.88	65	161913	19.02	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 95.10% ✓			
36) d4-1,2-Dichloroethane	7.88	65	161913	19.02	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 95.10% ✓			
54) d8-Toluene	10.75	98	394797	20.11	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.55% ✓			
73) Bromofluorobenzene	14.90	95	160986	20.25	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.25% ✓			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.70	85	145370	20.12	ug/L	99
3) Chloromethane	1.96	50	153229	21.14	ug/L	96
4) Vinyl Chloride	2.03	62	158330	21.35	ug/L	100
5) Bromomethane	2.47	94	99397	25.90	ug/L	100
6) Chloroethane	2.56	64	76125	20.94	ug/L	98
7) t-Butyl alcohol (TBA)	3.89	59	63770	114.66	ug/L	94
8) Trichlorofluoromethane	2.87	101	291852	21.79	ug/L	97
9) Diethyl ether	3.27	74	42827	20.31	ug/L	95
10) 1,1,2-Trichlorotrifluoroet	3.43	101	115134	22.02	ug/L	99
11) Acrolein	3.42	56	57312	123.85	ug/L	95
12) Acetone	3.54	43	212869	114.49	ug/L	100
13) 1,1-Dichloroethene	3.68	96	89865	23.59	ug/L	94
14) Methyl iodide	4.11	142	97001	16.39	ug/L	95
15) Di-isopropyl ether (DIPE)	5.50	45	409689	21.80	ug/L	99
16) Methylene Chloride	4.43	84	90000	21.66	ug/L	94
17) Carbon Disulfide	4.39	76	285166	23.36	ug/L	100
18) Acrylonitrile	4.65	53	44491	25.27	ug/L	95
19) Methyl-tert-butyl ether (M	4.74	73	315157	21.90	ug/L	99
20) trans-1,2-Dichloroethene	4.91	61	202065	21.57	ug/L	99
21) 1,1-Dichloroethane	5.60	63	236227	22.11	ug/L	97
22) Vinyl acetate	5.65	43	229122	25.70	ug/L	100
23) Methyl ethyl ketone	6.32	72	55057	121.12	ug/L	97
24) Ethyl t-butyl ether (ETBE)	6.15	59	390614	22.19	ug/L	99
25) 2,2-Dichloropropane	6.47	77	170982	20.82	ug/L	96
26) cis-1,2-Dichloroethene	6.55	96	137434	22.63	ug/L	96
27) t-Amyl methyl ether (TAME)	7.88	73	275502	22.37	ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042506C\C58538SC.D Vial: 6
Acq On : 25 Apr 2006 11:17 am Operator:
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 25 12:04 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
29)	Chloroform	6.80	83	223014	22.12	ug/L	95
30)	Bromochloromethane	7.03	128	66484	20.65	ug/L	96
31)	Tetrahydrofuran	7.14	71	12709	25.87	ug/L	90
32)	1,1,1-Trichloroethane	7.39	97	197151	21.49	ug/L	97
34)	1,1-Dichloropropene	7.64	75	161146	22.08	ug/L	97
35)	Carbon Tetrachloride	7.77	119	166308	21.98	ug/L	98
37)	1,2-Dichloroethane	8.03	62	215650	21.67	ug/L	100
38)	Benzene	8.03	78	387674	22.30	ug/L	100
40)	Trichloroethene	8.96	95	133818	21.69	ug/L	96
41)	1,2-Dichloropropane	9.22	63	124278	21.40	ug/L	100
42)	Methylmethacrylate	9.38	69	77500	21.56	ug/L	99
43)	Methyl acetate	4.24	43	116005	21.88	ug/L	99
44)	Cyclohexane	7.40	56	203825	21.70	ug/L	97
45)	Bromodichloromethane	9.56	83	159937	21.08	ug/L	96
46)	Dibromomethane	9.63	93	90505	20.41	ug/L	96
47)	1,4-Dioxane	9.63	88	32585	593.90	ug/L	99
48)	Methylcyclohexane	9.05	83	166299	22.20	ug/L	97
50)	2-Chloroethylvinyl ether	10.08	63	30035	17.48	ug/L	94
51)	2-Hexanone	11.44	58	234278	121.15	ug/L	96
52)	Methyl isobutyl ketone	10.13	58	239631	120.17	ug/L	100
53)	cis-1,3-Dichloropropene	10.40	75	185373	21.47	ug/L	96
55)	Toluene	10.87	92	253663	21.80	ug/L	98
56)	trans-1,3-Dichloropropene	11.16	75	172874	21.04	ug/L	98
58)	1,1,2-Trichloroethane	11.38	83	86550	22.63	ug/L	93
59)	1,3-Dichloropropane	11.76	76	161675	21.62	ug/L	100
60)	Tetrachloroethene	11.84	166	157027	20.99	ug/L	97
61)	Dibromochloromethane	12.13	129	138452	21.47	ug/L	99
62)	1,2-Dibromoethane	12.43	107	143948	22.22	ug/L	97
64)	Chlorobenzene	13.07	112	342827	21.73	ug/L	98
65)	1,1,1,2-Tetrachloroethane	13.15	131	116899	20.89	ug/L	96
66)	Ethylbenzene	13.17	91	486965	21.36	ug/L	100
67)	m,p-Xylene	13.30	106	398940	43.65	ug/L	99
68)	o-Xylene	13.96	106	197078	22.28	ug/L	96
69)	Styrene	14.01	104	345176	22.19	ug/L	94
70)	Bromoform	14.49	173	109002	22.45	ug/L	95
71)	Isopropylbenzene	14.52	105	506336	21.57	ug/L	99
72)	1,1,2,2-Tetrachloroethane	14.79	83	136130	22.18	ug/L	99
74)	1,2,3-Trichloropropane	15.01	75	101964	22.36	ug/L	98
75)	trans-1,4-Dichloro-2-buten	15.15	89	41250	21.72	ug/L	97
76)	n-Propylbenzene	15.15	91	576105	21.92	ug/L	98
77)	Bromobenzene	15.18	156	144981	21.44	ug/L	96

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042506C\C58538SC.D Vial: 6
Acq On : 25 Apr 2006 11:17 am Operator:
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 25 12:04 2006 Quant Results File: V804176C.RES

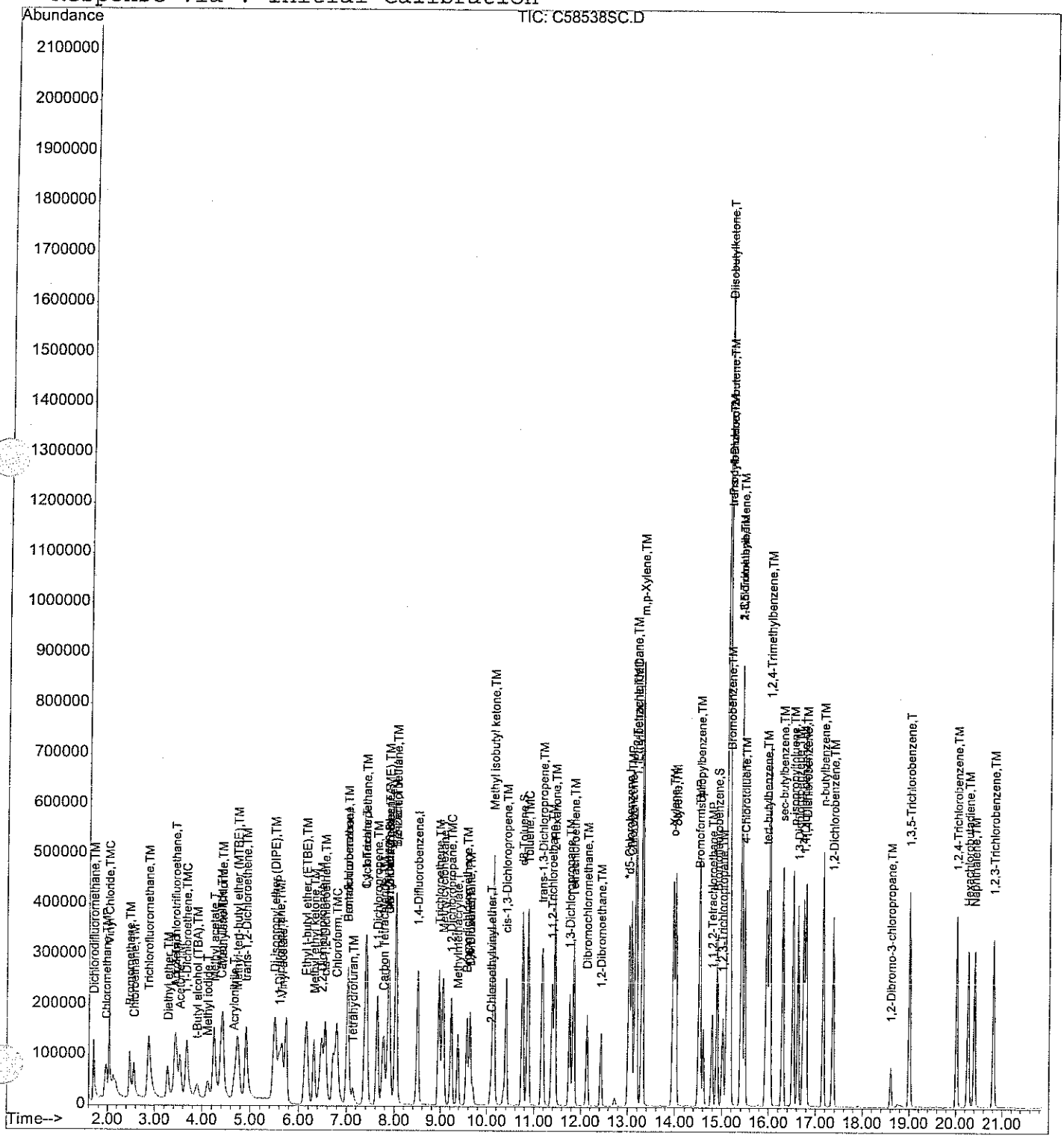
Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
78)	1,3,5-Trimethylbenzene	15.40	105	423032	21.84	ug/L		99
79)	2-Chlorotoluene	15.40	91	389105	21.48	ug/L		99
80)	4-Chlorotoluene	15.48	91	354330	21.30	ug/L		99
81)	tert-butylbenzene	15.95	119	362214	21.15	ug/L		100
82)	1,2,4-Trimethylbenzene	16.01	105	410436	20.83	ug/L		100
83)	Diisobutylketone	15.11	57	1501375	108.81	ug/L		97
84)	sec-butylbenzene	16.29	105	556847	21.11	ug/L		98
85)	p-isopropyltoluene	16.52	119	436349	20.60	ug/L		97
86)	1,3-Dichlorobenzene	16.62	146	237959	20.83	ug/L		98
88)	1,4-Dichlorobenzene	16.79	146	242747	20.83	ug/L		98
89)	n-butylbenzene	17.16	91	420232	21.52	ug/L		100
90)	1,2-Dichlorobenzene	17.36	146	224137	20.84	ug/L		98
92)	1,2-Dibromo-3-chloropropan	18.61	75	25595	22.28	ug/L	#	77
94)	1,2,4-Trichlorobenzene	20.02	180	191363	20.72	ug/L		96
95)	Hexachlorobutadiene	20.26	225	93943	19.90	ug/L		98
96)	Naphthalene	20.40	128	353310	20.97	ug/L		100
97)	1,2,3-Trichlorobenzene	20.82	180	173517	20.71	ug/L		98
98)	1,3,5-Trichlorobenzene	19.00	180	212126	20.44	ug/L		98

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042506C\C58538SC.D Vial: 6
Acq On : 25 Apr 2006 11:17 am Operator:
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 25 12:04 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration



VOLATILE ORGAN
INTERNAL STANDARD AREA AND RT SUMMARY

Project #:

Quote #:

SDG#: 56323

BFB File ID: C58352T.D

Site ID: Subbase Groton Site 7

Location: CT

Instrument ID: C

BFB Injection Date: 4/17/06

GC Column: RTX-502.2

ID: 0.25(mm)

BFB Injection Time: 1130

Heated Purge: (Y/N) N

		IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #	IS4 AREA #	RT #
	12 HOUR STD	241982	7.02	389266	8.49	349891	13.02	169896	16.74
	UPPER LIMIT	483964	7.44	778532	9.00	699782	13.80	339792	17.74
	LOWER LIMIT	120991	6.59	194633	7.99	174946	12.24	84948	15.73
	SAMPLE NO.								
01	0.2 PPB	231622	7.01	361455	8.49	322548	13.02	162831	16.74
02	1 PPB	244191	7.02	386660	8.50	342009	13.02	171356	16.74
03	ZZZZZ	239677	7.02	384402	8.50	341836	13.02	169426	16.74
04	5 PPB	239660	7.02	380784	8.50	336657	13.02	169433	16.74
05	20 PPB	241982	7.02	389266	8.49	349891	13.02	169896	16.74
06	50 PPB	229040	7.01	367442	8.50	333852	13.02	164964	16.75
07	100 PPB	218019	7.01	348915	8.49	327955	13.03	162161	16.74
08	ZZZZZ	239181	7.01	386037	8.50	343164	13.02	173545	16.74
09	2 PPB	253155	7.02	406676	8.50	354417	13.02	175800	16.74
10	ZZZZZ	241499	7.02	385779	8.50	333756	13.03	165439	16.74
11	ZZZZZ	243865	7.02	396537	8.50	343727	13.02	166923	16.75
12	ZZZZZ	240583	7.02	393515	8.50	351507	13.02	175343	16.75
13	ZZZZZ	262629	7.01	417334	8.50	363327	13.01	179740	16.74
14	ZZZZZ	238707	7.01	392103	8.49	349782	13.02	172468	16.74
15	ZZZZZ	255323	7.01	413357	8.49	366137	13.02	183892	16.74
16	ZZZZZ	256140	7.01	404058	8.49	356790	13.02	177341	16.74
17	ZZZZZ	258695	7.01	418845	8.49	356365	13.0198	177138	16.74
18	ZZZZZ	255653	7.01	404343	8.49	364537	13.0145	180047	16.74
19	ZZZZZ	248948	7.01	389679	8.49	347573	13.0203	164834	16.74
20	ZZZZZ	233850	7.00	391320	8.48	346552	13.0098	168761	16.74
21	ZZZZZ	260592	7.01	427752	8.48	368225	13.0105	175117	16.74
22									
23									
24									

IS1 = Pentafluorobenzene
IS2 = Fluorobenzene
IS3 = Chlorobenzer
IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.06 minutes of internal standard RRT
RT LOWER LIMIT = -0.06 minutes of internal standard RRT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

GC/MS QA-QC Check Report

Tune File : D:\HPCHEM\1\DATA\041706C\C58352T.D
Tune Time : 17 Apr 2006 11:30 am

Daily Calibration File : D:\HPCHEM\1\DATA\041706C\C58357SI.D

4-18-06

241982 389266 349891

MT 4/18/06

169896

File	Sample	Surrogate Recovery %				Internal Standard Responses		
C58353SI.D	0.2 PPB	2*	2*	2*	2*	231622	361455	322548
				162831				
C58354SI.D	1 PPB	6*	6*	6*	6*	244191	386660	342009
				171356				
C58355SI.D	2 PPB	9*	9*	10*	9*	239677	384402	341836
				169426				
C58356SI.D	5 PPB	21*	21*	22*	22*	239660	380784	336657
				169433				
C58357SI.D	20 PPB	86	86	94	87	241982	389266	349891
				169896				
C58358SI.D	50 PPB	216*	216*	230*	218*	229040	367442	333852
				164964				
C58359SI.D	100 PPB	441*	441*	453*	419*	218019	348915	327955
				162161				
C58361SI.D	2 PPB	10*	10*	9*	11*	253155	406676	354417
				175800				
C58362Q.D	L804176C	90	90	96	99	241499	385779	333756
				165439				
C58363Q.D	L804176C	93	93	96	97	243865	396537	343727
				166923				
C58364.D	BROMOFOR	94	94	98	95	240583	393515	351507
				175343				
C58365B.D	B804176C	92	92	95	95	262629	417334	363327
				179740				
C58366.D	56232-12	94	94	99	97	238707	392103	349782
				172468				
C58367.D	56240-5	91	91	98	97	255323	413357	366137
				183892				
C58368.D	56240-1	91	92	99	94	256140	404058	356790
				177341				
C58369.D	56240-2	93	93	95	97	258695	418845	356365
				177138				

C58370.D	56240-3	93	93	99	96	255653	404343	364537
				180047				
C58371SP.D	56240-3,	93	93	98	95	248948	389679	347573
				164834				
C58372SP.D	56240-3,	97	97	96	94	233850	391320	346552
				168761				
C58373.D	56240-4	92	92	93	94	260592	427752	368225
				175117				

t - fails 12hr time check * - fails criteria

Created: Tue Apr 18 07:44:53 2006 Instr_C

VOLATILE ORGAN
INTERNAL STANDARD AREA AND RT SUMMARY

Project #: | Quote #: | SDG#: 56323

BFB File ID: C58490T.D | Site ID: Subbase Groton Site 7 | Location: CT

Instrument ID: C | BFB Injection Date: 4/24/06

GC Column: RTX-502.2 | ID: 0.25(mm) | BFB Injection Time: 1031

Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #	IS4 AREA #	RT #
12 HOUR STD	223149	7.00	343459	8.48	300470	13.01	146129	16.73
UPPER LIMIT	446298	7.42	686918	8.99	600940	13.79	292258	17.73
LOWER LIMIT	111575	6.58	171730	7.97	150235	12.23	73065	15.72
SAMPLE NO.								
01 20 PPB	223149	7.00	343459	8.48	300470	13.01	146129	16.73
02 LS04216C	230904	7.00	361180	8.48	324346	13.01	163356	16.74
03 LS04216C2	220632	7.00	351906	8.48	324451	13.01	160860	16.73
04 ZZZZZ	232335	7.00	368572	8.49	323832	13.02	173598	16.73
05 MB04216C	213634	6.99	340905	8.48	310273	13.01	166264	16.73
06 56323-13	229284	6.99	360496	8.48	336050	13.01	183009	16.73
07 56323-1	236920	6.99	377561	8.48	342699	13.01	184002	16.74
08 56323-2	236828	6.99	370190	8.48	342300	13.01	185770	16.74
09 56323-3	233222	6.99	380494	8.48	348423	13.01	187315	16.74
10 56323-4	239769	6.99	387300	8.48	357202	13.01	188013	16.74
11 56323-4,MS	237748	7.00	385836	8.48	357449	13.02	176293	16.74
12 56323-4,MSD	231695	6.99	376736	8.48	351729	13.02	175482	16.74
13 ZZZZZ	239214	7.00	388534	8.49	358147	13.02	182363	16.74
14 56323-6	236788	6.99	392602	8.48	355145	13.02	186060	16.74
15 56323-7	240498	7.00	394342	8.49	363476	13.01	187173	16.74
16 56323-8	251870	6.99	407579	8.48	372470	13.02	178058	16.74
17 56323-9	237796	7.00	388217	8.48	344285	13.0189	170468	16.74
18 56323-10	248183	6.99	398064	8.49	354489	13.0139	184295	16.74
19 56323-11	247981	6.99	399416	8.48	371177	13.0183	192509	16.74
20 56323-12	256913	6.99	413105	8.48	375623	13.0188	195629	16.74
21 ZZZZZ	220993	6.99	365425	8.48	327613	13.0096	155708	16.74
22								
23								
24								

IS1 = Pentafluorobenzene
IS2 = Fluorobenzene
IS3 = Chlorobenzer
IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.06 minutes of internal standard RRT
RT LOWER LIMIT = -0.06 minutes of internal standard RRT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

GC/MS QA-QC Check Report

Tune File : D:\HPCHEM\1\DATA\042406C\C58490T.D
Tune Time : 24 Apr 2006 10:31 am

Daily Calibration File : D:\HPCHEM\1\DATA\042406C\C58491SC.D

4-25-06

223149 343459 300470

MT 4/24/06

146129

File	Sample	Surrogate Recovery %				Internal Standard Responses		
C58492Q.D	LS04216C	90	90	92	93	230904	361180	324346
				163356				
C58493Q.D	LS04216C	93	93	95	95	220632	351906	324451
				160860				
C58494.D	BROMOFOR	92	92	97	100	232335	368572	323832
				173598				
C58495B.D	MB04216C	93	93	97	97	213634	340905	310273
				166264				
C58496.D	56323-13	98	98	106	107	229284	360496	336050
				183009				
C58497.D	56323-1	91	91	96	98	236920	377561	342699
				184002				
C58498.D	56323-2	88	88	94	96	236828	370190	342300
				185770				
C58499.D	56323-3	93	93	94	99	233222	380494	348423
				187315				
C58500.D	56323-4	88	88	92	93	239769	387300	357202
				188013				
C58501SP.D	56323-4,	89	89	92	89	237748	385836	357449
				176293				
C58502SP.D	56323-4,	87	87	89	87	231695	376736	351729
				175482				
C58503.D	56323-5	92	92	94	95	239214	388534	358147
				182363				
C58504.D	56323-6	93	93	95	95	236788	392602	355145
				186060				
C58505.D	56323-7	94	94	98	95	240498	394342	363476
				187173				
C58506.D	56323-8	178*	178*	184*	181*	251870	407579	372470
				178058				
C58507.D	56323-9	89	89	93	93	237796	388217	344285
				170468				

C58508.D	56323-10	87	87	95	97	248183	398064	354489
				184295				
C58509.D	56323-11	86	86	92	90	247981	399416	371177
				192509				
C58510.D	56323-12	87	87	92	93	256913	413105	375623
				195629				
C58511.D	56276-1	67*	67*	67*	67*	220993	365425	327613
				155708				

t - fails 12hr time check * - fails criteria

Created: Tue Apr 25 08:16:03 2006 Instr_C

VOLATILE ORGAN
INTERNAL STANDARD AREA AND RT SUMMARY

Project #:

Quote #:

SDG#: 56323

BFB File ID: C58537T.D

Site ID: Subbase Groton Site 7

Location: CT

Instrument ID: C

BFB Injection Date: 4/25/06

GC Column: RTX-502.2

ID: 0.25(mm)

BFB Injection Time: 1044

Heated Purge: (Y/N) N

	IS1 AREA	#	RT	#	IS2 AREA	#	RT	#	IS3 AREA	#	RT	#	IS4 AREA	#	RT	#
12 HOUR STD	214232		7.01		350776		8.50		312938		13.02		155959		16.74	
UPPER LIMIT	428464		7.43		701552		9.01		625876		13.80		311918		17.75	
LOWER LIMIT	107116		6.59		175388		7.99		156469		12.23		77980		15.74	
SAMPLE NO.																
01 20 PPB	214232		7.01		350776		8.50		312938		13.02		155959		16.74	
02 L804256C	229902		7.00		380751		8.49		344684		13.02		175004		16.75	
03 ZZZZZ	256241		7.01		417538		8.49		368537		13.02		188212		16.75	
04 B804256C	247297		7.00		394122		8.49		355629		13.02		190813		16.75	
05 56323-5	237509		7.01		375190		8.50		334809		13.03		170711		16.75	
06 56323-8, RR	243579		7.00		390369		8.49		349309		13.03		173113		16.75	
07 ZZZZZ	263892		7.02		433056		8.50		381947		13.03		187739		16.75	
08 ZZZZZ	273609		7.02		447780		8.50		389198		13.03		195370		16.75	
09 ZZZZZ	270774		7.03		440806		8.51		397439		13.03		195275		16.75	
10 ZZZZZ	242082		7.02		400882		8.50		337926		13.03		165184		16.76	
11 ZZZZZ	254770		7.03		419271		8.51		368857		13.03		183688		16.75	
12 ZZZZZ	185145		7.02		301873		8.50		258720		13.03		120378		16.75	
13 ZZZZZ	223853		7.03		380023		8.51		334715		13.03		158870		16.75	
14 ZZZZZ	225771		7.03		376842		8.51		336923		13.02		160922		16.75	
15 ZZZZZ	238859		7.02		388900		8.50		342128		13.03		163975		16.75	
16 ZZZZZ	281070		7.02		464986		8.51		393884		13.02		189995		16.75	
17 ZZZZZ	265850		7.02		433336		8.50		375828		13.0291		183539		16.75	
18 ZZZZZ	274092		7.02		456393		8.50		393897		13.0211		192067		16.75	
19 ZZZZZ	273792		7.02		450924		8.50		396670		13.0239		193245		16.74	
20 ZZZZZ	272483		7.01		443627		8.50		382841		13.0183		188729		16.75	
21 ZZZZZ	266972		7.02		442962		8.50		391374		13.0147		188497		16.74	
22 ZZZZZ	264946		7.01		426470		8.49		358210		13.019		165464		16.74	
23 ZZZZZ	271099		7.01		443250		8.50		393313		13.0129		189508		16.73	
24 ZZZZZ	263215		7.00		432416		8.49		386689		13.0092		184814		16.74	

IS1 = Pentafluorobenzene
IS2 = Fluorobenzene
IS3 = Chlorobenzer
IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.06 minutes of internal standard RRT
RT LOWER LIMIT = -0.06 minutes of internal standard RRT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

GC/MS QA-QC Check Report

Tune File : D:\HPCHEM\1\DATA\042506C\C58537T.D
Tune Time : 25 Apr 2006 10:44 am

Daily Calibration File : D:\HPCHEM\1\DATA\042506C\C58538SC.D

4/26/06 SC

214232 350776 312938

155959

MT 4/26/06

File	Sample	Surrogate Recovery %				Internal Standard Responses		
C58539Q.D	L804256C	96	96	100	98	229902	380751	344684
				175004				
C58540.D	BROMOFOR	93	93	99	95	256241	417538	368537
				188212				
C58541B.D	B804256C	91	91	101	98	247297	394122	355629
				190813				
C58542.D	56323-5	87	87	94	93	237509	375190	334809
				170711				
C58543.D	56323-8	173*	173*	183*	183*	243579	390369	349309
				173113				
C58544.D	56296-3	91	91	97	93	263892	433056	381947
				187739				
C58545.D	56244-2	89	89	96	96	273609	447780	389198
				195370				
C58546.D	56313-1	90	90	97	93	270774	440806	397439
				195275				
C58547.D	56326-1	92	92	96	97	242082	400882	337926
				165184				
C58548.D	56244-1	91	91	97	96	254770	419271	368857
				183688				
C58549.D	56293-4	86	86	94	92	185145	301873	258720
				120378				
C58550.D	56293-5	97	97	94	95	223853	380023	334715
				158870				
C58551.D	56293-6	97	97	97	92	225771	376842	336923
				160922				
C58552.D	56293-7	94	94	98	95	238859	388900	342128
				163975				
C58553.D	56247-1	88	88	94	94	281070	464986	393884
				189995				
C58554.D	56296-1	89	89	95	94	265850	433336	375828
				183539				

C58555.D	56296-2	93	93	96	95	274092	456393	393897
				192067				
C58556.D	56321-1	91	91	98	94	273792	450924	396670
				193245				
C58557.D	56321-2	87	87	93	94	272483	443627	382841
				188729				
C58558.D	56281-3	91	91	96	95	266972	442962	391374
				168497				
C58559.D	56299-1	92	92	99	95	264946	426470	358210
				165464				
C58560.D	56299-2	91	91	99	95	271099	443250	393313
				189508				
C58561.D	56244-1	90	90	98	94	263215	432416	386689
				184814				

t - fails 12hr time check * - fails criteria

Created: Wed Apr 26 07:55:23 2006 Instr_C

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EXTRACTION
LOGBOOK PAGES

Transfer Date: 04/24/06

Initials: AK

EXTRACT TRANSFER SHEET

Semi-Volatile Compounds:

Sample	Analysis	Extraction Date	Matrix	Initial Volume(mL)	Initial Weight(g)	Final Volume(mL)	% Solids	Extraction Comments
56323-1	8270PAHS	04/24/06	Solid		30.10	1.0		
56323-2	8270PAHS	04/24/06	Solid		30.87	1.0		
56323-3	8270PAHS	04/24/06	Solid		30.72	1.0		
56323-4	8270PAHS	04/24/06	Solid		30.23	1.0		
56323-5	8270PAHS	04/24/06	Solid		30.74	1.0		
56323-6	8270PAHS	04/24/06	Solid		30.91	1.0		
56323-7	8270PAHS	04/24/06	Solid		30.73	1.0		
56323-8	8270PAHS	04/24/06	Solid		30.74	1.0		
56323-9	8270PAHS	04/24/06	Solid		30.07	1.0		
56323-10	8270PAHS	04/24/06	Solid		30.74	1.0		
56323-11	8270PAHS	04/24/06	Solid		30.84	1.0		
56323-12	8270PAHS	04/24/06	Solid		30.85	1.0		
56301-3 RX	8270PAHS	04/24/06	Solid		30.50	1.0	81.91	REX

4/24/06 JC

BH 04.24.06

analytics environmental laboratory LLC

Base Nuetral Acid Extractables Solid Preparation Logbook

Circle Method Reference (SW-846 3550B Sonication)
SW-846 3545 Accelerated Solvent Extraction (ASE)

Date: 4-24-06 Time: 8:20
Initials: AK

QC Batch ID: Q-P-042406-1-AK
Prep. Batch ID P-P-042406-1-AK

Sample #	Matrix	Weight (g)	mL Surrogate	mL Spike	Final Vol $MeCl_2$	Cook Down Date	Vessel #
B042406AS	Na_2SO_4	30.06	0.5 SU	—	1mL	4/24/06	n/a
L042406AS	SiSand	30.41	0.5	1.0/1.0 SU		SU	
LD042406AS	SiSand	30.11	0.5	1.0/1.0			
56323-1	Soil	30.10	0.5	—			
-2	Soil	30.87	0.5	—			
-3		30.72	0.5	—			
-4		30.23	0.5	—			
-5		30.74	0.5	—			
-6		30.91	0.5	—			
-7		30.73	0.5	—			
-8		30.74	0.5	—			
-9		30.07	0.5	—			
-10		30.74	0.5	—	1mL	4/24/06	
-11		30.84	0.5	—		SU	
-12		30.85	0.5	—			
-12, MS		30.62	0.5	1.0/1.0 SU			
-12, MSD		30.46	0.5	1.0/1.0			
56301-3, Rx		30.50	0.5	—			
042406AS-1	SiSand	30.67	0.5 AK	1.0/1.0 AK	1mL AK	4/24/06 AK	
-2		30.78	0.5	1.0/1.0			
-3		30.51	0.5	1.0/1.0			
-4 *		30.48	0.5	1.0/1.0			

4/24/06 SU

$MeCl_2$ Lot Number: 46039
1:1 Acetone/MeCl2 Lot #:
Silica Sand Lot Number: 074617
Na_2SO_4 Lot Number: 45251602

	Lot #	Exp Date
ABN Surrogate:	56751	10.14.06
ABN Spike (40 ug/mL):	56758	10.20.06
Benzidines Spike (80 ug/mL):	56748	10.4.06
PAH Surrogate (5.0 ug/mL):		
PAH MS (5.0 ug/mL):		

4/24/06 SU ✓

* vialed to 1mL
then lost some in transfer

analytics environmental laboratory LLC

SEMI-VOLATILE
DATA SUMMARIES

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
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800-929-9906

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100

June 21, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number:

Field Sample ID: LABQC

SAMPLE DATA

Lab Sample ID: B04246AS
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 04/24/06
Analysis Date: 04/24/06

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	250	U
Acenaphthylene	250	U
Acenaphthene	250	U
Fluorene	250	U
Phenanthrene	250	U
Anthracene	250	U
Fluoranthene	250	U
Pyrene	250	U
Benzo[a]anthracene	250	U
Chrysene	250	U
Benzo[b] fluoranthene	250	U
Benzo[k] fluoranthene	250	U
Benzo[a] pyrene	250	U
Dibenz [a,h] anthracene	250	U
Benzo(g,h,i) perylene	250	U
Indeno [1,2,3-cd] pyrene	250	U
2-Methylnaphthalene	250	U

Surrogate Standard Recovery

d5-nitrobenzene	74 %	2-Fluorobiphenyl	86 %	d14-p-terphenyl	87 %

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042406-D\D47034B.D Vial: 4
Acq On : 24 Apr 2006 11:30 pm Operator:
Sample : B04246AS Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 24 23:40 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 24 23:13:39 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4/26/06 ✓ SL

4/24/06

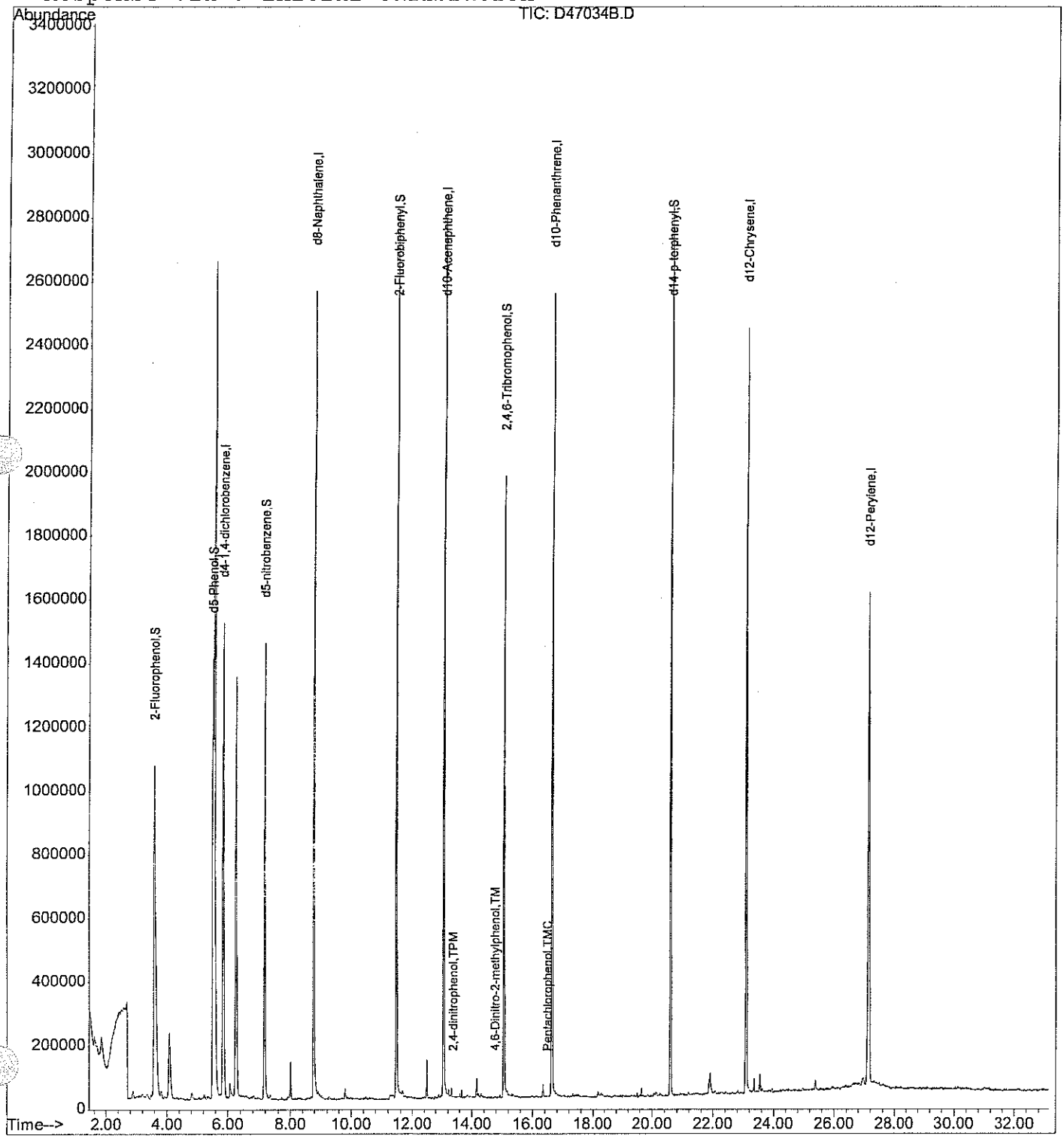
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.84	152	707672	40.00	ug/ml	0.01
19) d8-Naphthalene	8.78	136	2546246	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.07	164	1156059	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.64	188	1999867	40.00	ug/ml	0.00
71) d12-Chrysene	23.09	240	1820178	40.00	ug/ml	-0.01
79) d12-Perylene	27.15	264	1723950	40.00	ug/ml	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	3.59	112	1253950	54.96	ug/ml	0.01
Spiked Amount 75.000	Range 29 - 97		Recovery = 73.28%			
5) d5-Phenol	5.50	99	1721908	60.72	ug/ml	0.00
Spiked Amount 75.000	Range 40 - 120		Recovery = 80.96%			
20) d5-nitrobenzene	7.17	82	1085680	37.21	ug/ml	0.00
Spiked Amount 50.000	Range 20 - 101		Recovery = 74.42%			
39) 2-Fluorobiphenyl	11.47	172	1544426	42.81	ug/ml	0.00
Spiked Amount 50.000	Range 34 - 102		Recovery = 85.62%			
60) 2,4,6-Tribromophenol	15.06	330	466463	74.88	ug/ml	0.00
Spiked Amount 75.000	Range 36 - 141		Recovery = 99.84%			
73) d14-p-terphenyl	20.60	244	1650616	43.35	ug/ml	0.00
Spiked Amount 50.000	Range 38 - 108		Recovery = 86.70%			
Target Compounds						Qvalue
47) 2,4-dinitrophenol	13.37	184	182	5.99	ug/ml#	26
56) 4,6-Dinitro-2-methylphenol	14.77	198	47	4.20	ug/ml#	1
64) Pentachlorophenol	16.50	266	46	6.17	ug/ml#	44
70) Benzidine	20.00	184	159	Below Cal	#	1

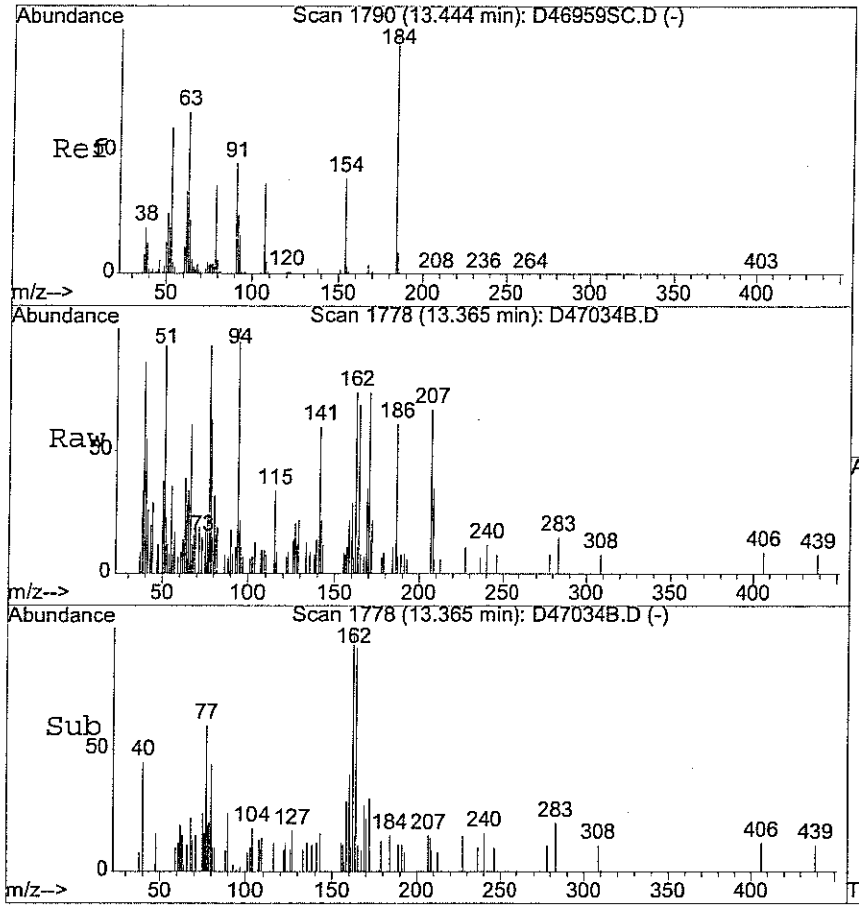
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042406-D\D47034B.D Vial: 4
Acq On : 24 Apr 2006 11:30 pm Operator:
Sample : B04246AS Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 24 23:40 2006 Quant Results File: S04036.RES

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 24 23:13:39 2006
Response via : Initial Calibration

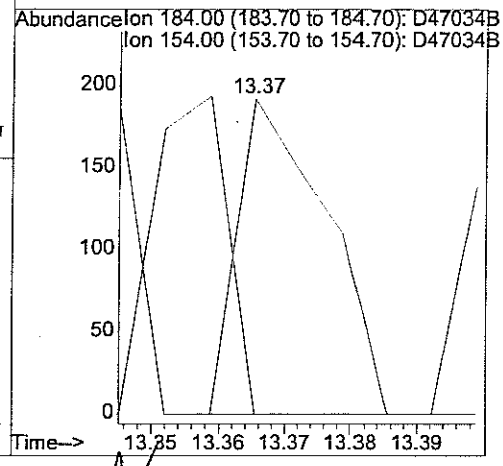


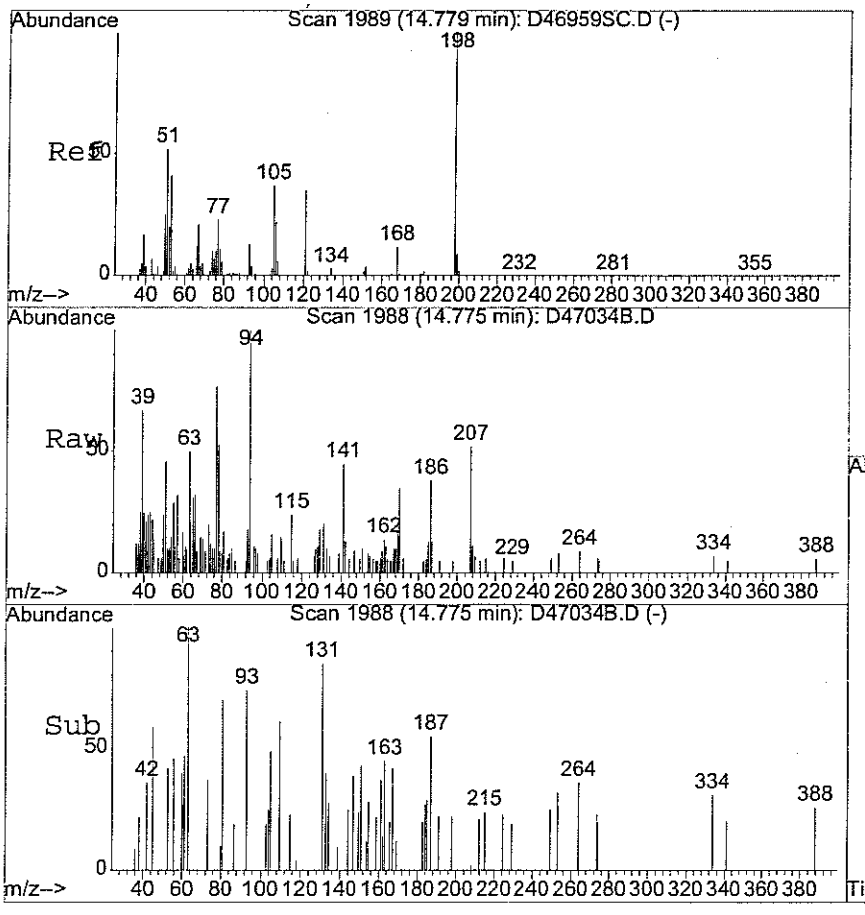


#47
2,4-dinitrophenol
Concen: 5.99 ug/ml
RT: 13.37 min Scan# 1778
Delta R.T. -0.01 min
Lab File: D47034B.D
Acq: 24 Apr 2006 11:30 pm

Tgt Ion:184 Resp: 182

Ion	Ratio	Lower	Upper
184	100		
154	81.3	29.8	44.6#

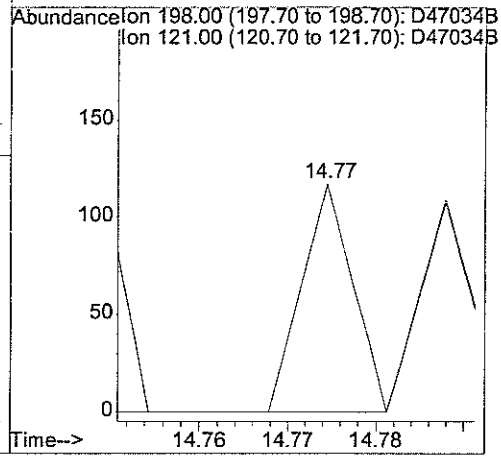


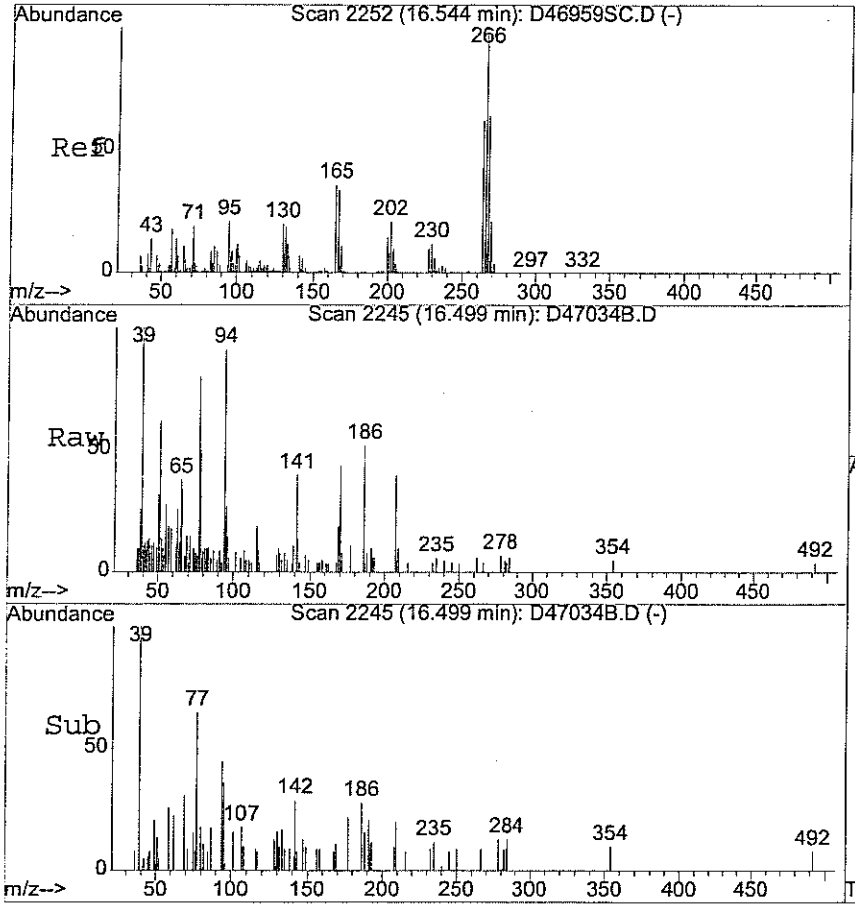


#56
4,6-Dinitro-2-methylphenol
Concen: 4.20 ug/ml
RT: 14.77 min Scan# 1988
Delta R.T. 0.05 min
Lab File: D47034B.D
Acq: 24 Apr 2006 11:30 pm

Tgt Ion:198 Resp: 47

Ion	Ratio	Lower	Upper
198	100		
121	234.0	26.9	40.3#

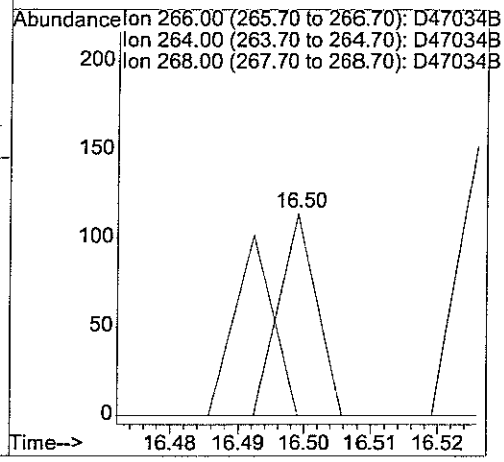




#64
Pentachlorophenol
Concen: 6.17 ug/ml
RT: 16.50 min Scan# 2245
Delta R.T. 0.03 min
Lab File: D47034B.D
Acq: 24 Apr 2006 11:30 pm

Tgt Ion:266 Resp: 46

Ion	Ratio	Lower	Upper
266	100		
264	123.9	50.0	75.0#
268	89.1	50.6	75.8#



analytics environmental laboratory LLC

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Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100

June 21, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number:

Field Sample ID: LABQC

SAMPLE DATA

Lab Sample ID: B04216AS
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 04/21/06
Analysis Date: 04/25/06

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	250	U
Acenaphthylene	250	U
Acenaphthene	250	U
Fluorene	250	U
Phenanthrene	250	U
Anthracene	250	U
Fluoranthene	250	U
Pyrene	250	U
Benzo[a]anthracene	250	U
Chrysene	250	U
Benzo[b] fluoranthene	250	U
Benzo[k] fluoranthene	250	U
Benzo[a] pyrene	250	U
Dibenz [a,h] anthracene	250	U
Benzo(g,h,i) perylene	250	U
Indeno [1,2,3-cd] pyrene	250	U
2-Methylnaphthalene	250	U

Surrogate Standard Recovery

d5-nitrobenzene	72 %	2-Fluorobiphenyl	82 %	d14-p-terphenyl	81 %

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042506-D\D47069B.D Vial: 6
Acq On : 25 Apr 2006 10:59 pm Operator:
Sample : B04216AS Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 8:40 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Tue Apr 25 23:18:57 2006
Response via : Initial Calibration
DataAcq Meth : ABN

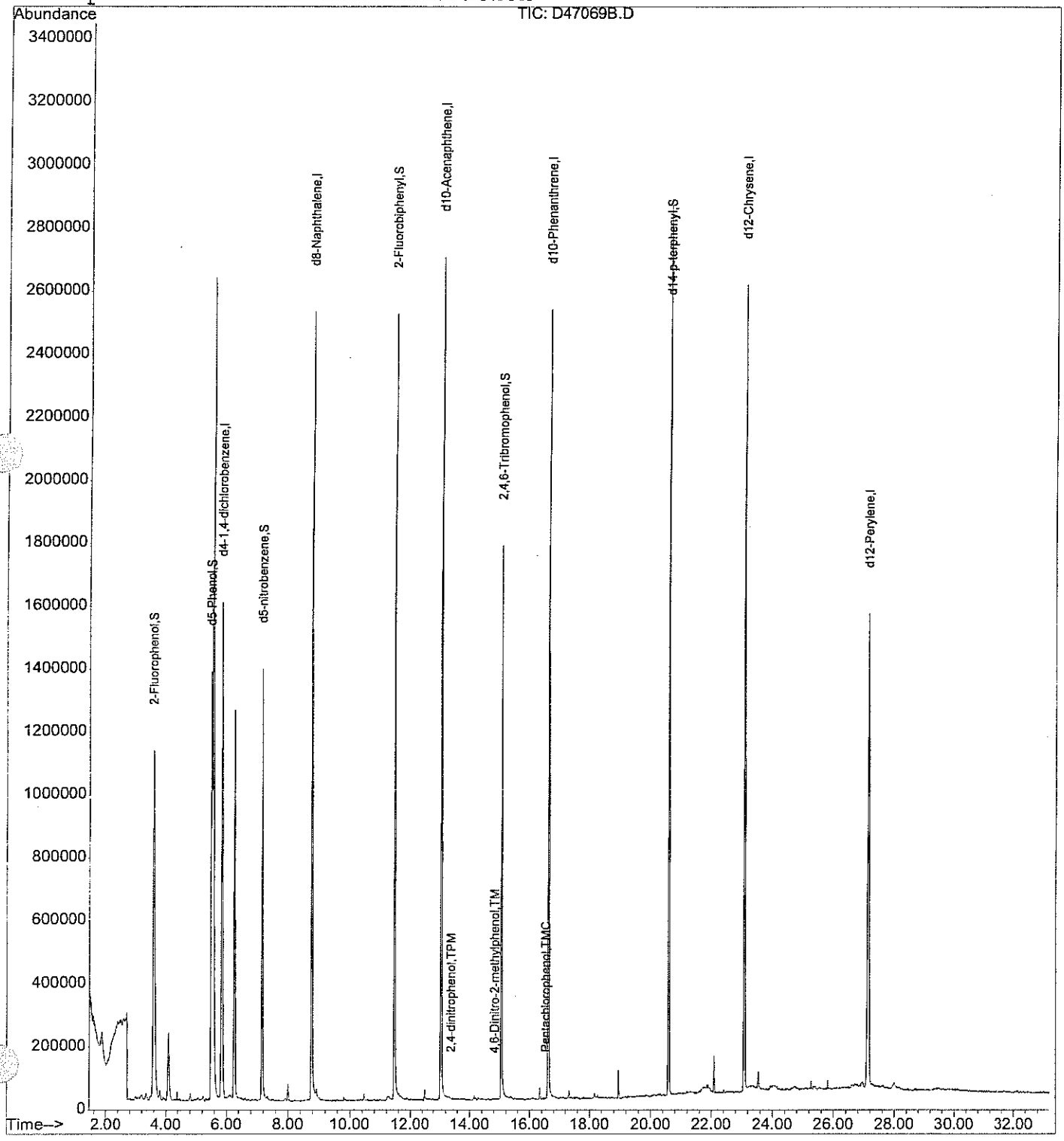
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.84	152	667765	40.00	ug/ml	0.00
19) d8-Naphthalene	8.77	136	2422245	40.00	ug/ml	-0.02
35) d10-Acenaphthene	13.06	164	1150266	40.00	ug/ml	-0.02
61) d10-Phenanthrene	16.63	188	1912276	40.00	ug/ml	-0.02
71) d12-Chrysene	23.09	240	1974039	40.00	ug/ml	-0.03
79) d12-Perylene	27.15	264	1671170	40.00	ug/ml	-0.05
System Monitoring Compounds						
4) 2-Fluorophenol	3.57	112	1166157	54.16	ug/ml	-0.02
Spiked Amount 75.000	Range 29 - 97		Recovery = 72.21%			
5) d5-Phenol	5.49	99	1620356	60.55	ug/ml	-0.04
Spiked Amount 75.000	Range 40 - 120		Recovery = 80.73%			
20) d5-nitrobenzene	7.16	82	1004029	36.18	ug/ml	-0.02
Spiked Amount 50.000	Range 20 - 101		Recovery = 72.36%			
39) 2-Fluorobiphenyl	11.46	172	1470596	40.97	ug/ml	-0.02
Spiked Amount 50.000	Range 34 - 102		Recovery = 81.94%			
60) 2,4,6-Tribromophenol	15.05	330	444986	71.79	ug/ml	-0.02
Spiked Amount 75.000	Range 36 - 141		Recovery = 95.72%			
73) d14-p-terphenyl	20.60	244	1680637	40.70	ug/ml	-0.02
Spiked Amount 50.000	Range 38 - 108		Recovery = 81.40%			
Target Compounds						Qvalue
~~47) 2,4-dinitrophenol~~	13.38	184	158	~~5.98 ug/ml#~~		1
~~56) 4,6-Dinitro-2-methylphenol~~	14.81	198	46	~~4.20 ug/ml#~~		1
~~64) Pentachlorophenol~~	16.52	266	57	~~6.17 ug/ml#~~		1
~~70) Benzidine~~	20.03	184	484	~~Below Cal #~~		21

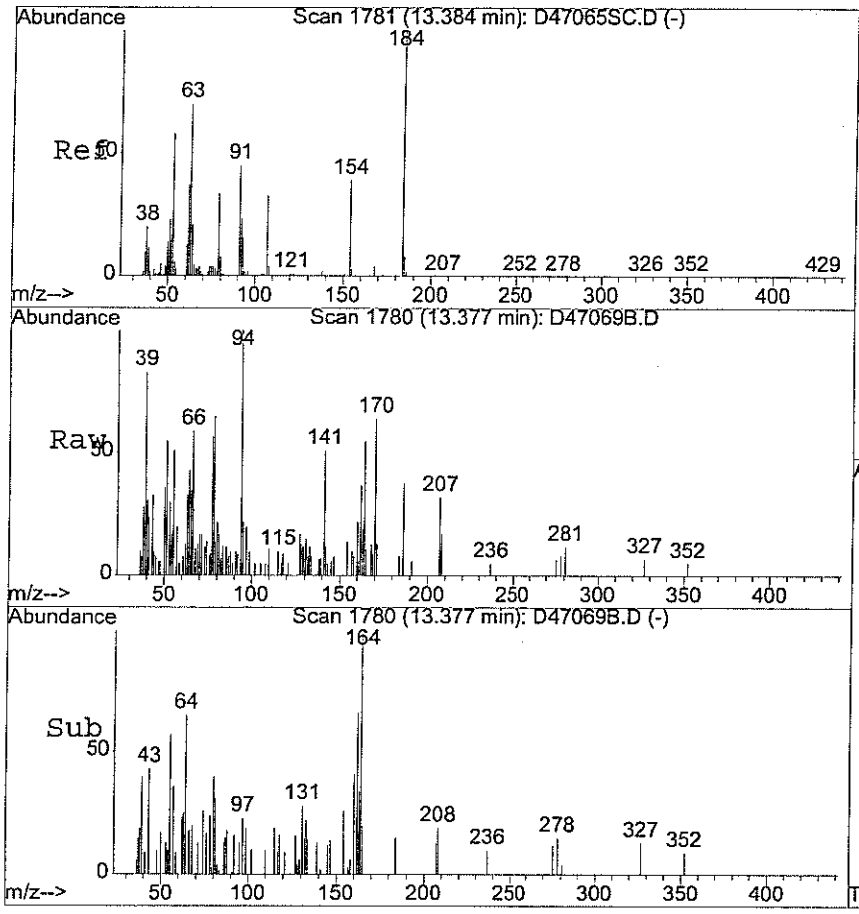
nid

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042506-D\D47069B.D Vial: 6
Acq On : 25 Apr 2006 10:59 pm Operator:
Sample : B04216AS Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:40 2006 Quant Results File: S04036.RES

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Tue Apr 25 23:18:57 2006
Response via : Initial Calibration

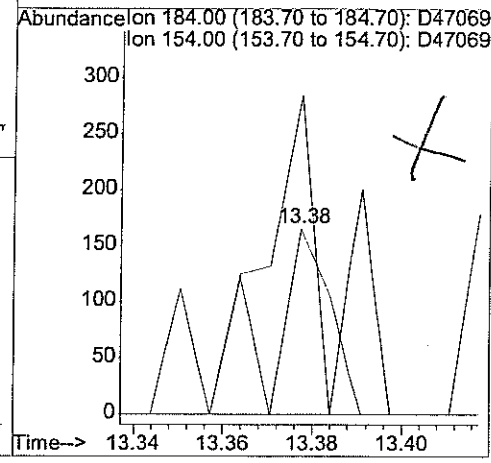


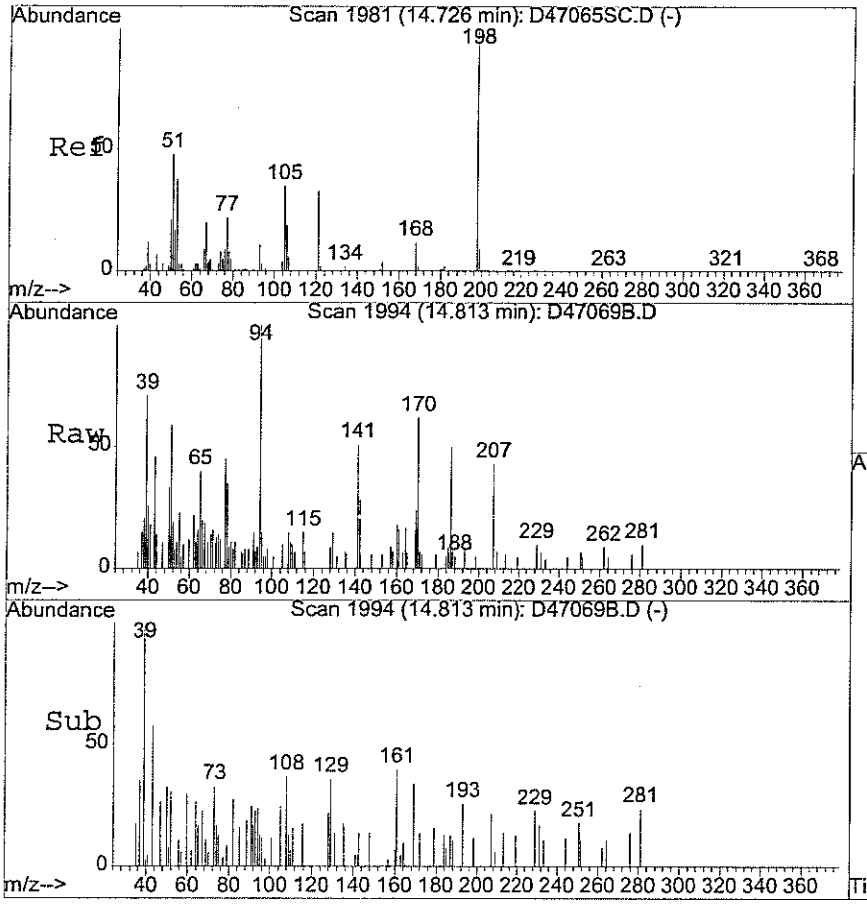


#47
2,4-dinitrophenol
Concen: 5.98 ug/ml
RT: 13.38 min Scan# 1780
Delta R.T. -0.02 min
Lab File: D47069B.D
Acq: 25 Apr 2006 10:59 pm

Tgt Ion:184 Resp: 158

Ion	Ratio	Lower	Upper
184	100		
154	189.2	30.6	46.0#

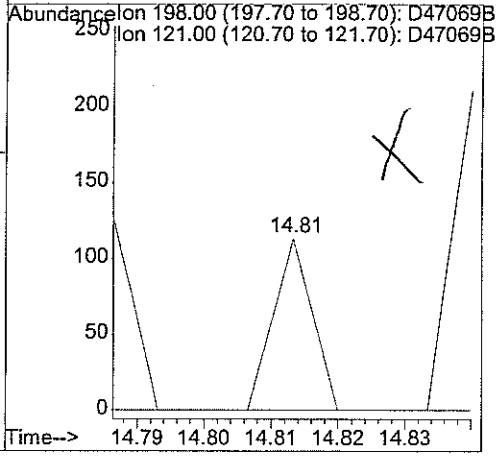


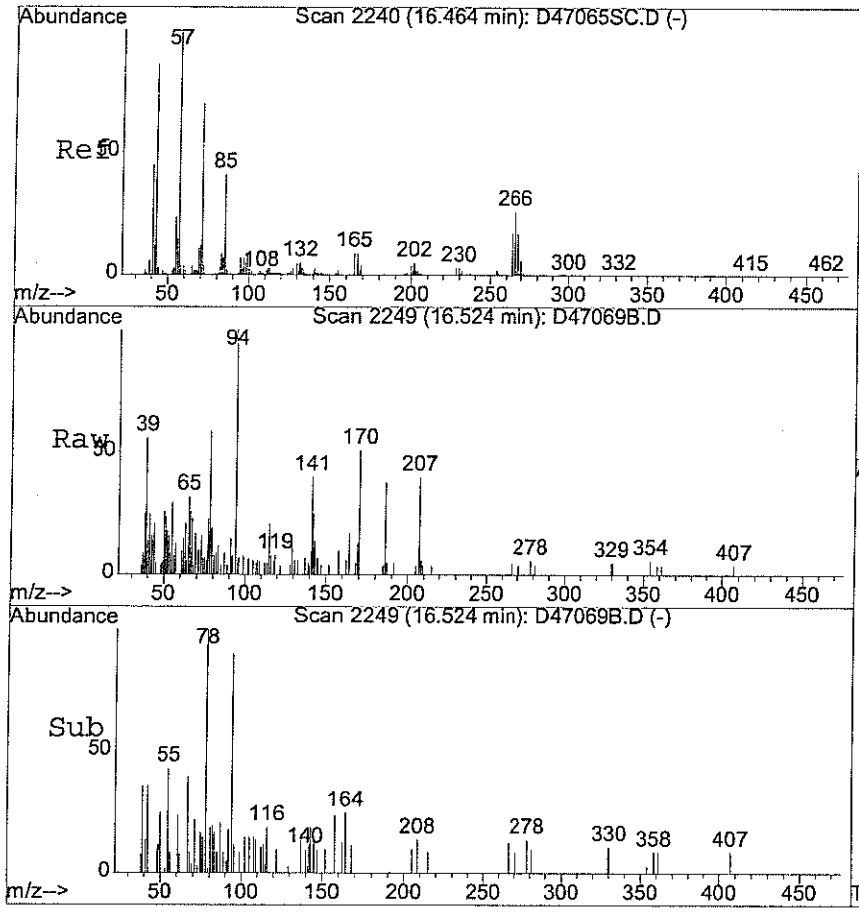


#56
4,6-Dinitro-2-methylphenol
Concen: 4.20 ug/ml
RT: 14.81 min Scan# 1994
Delta R.T. 0.08 min
Lab File: D47069B.D
Acq: 25 Apr 2006 10:59 pm

Tgt Ion:198 Resp: 46

Ion	Ratio	Lower	Upper
198	100		
121	347.8	26.6	39.8#

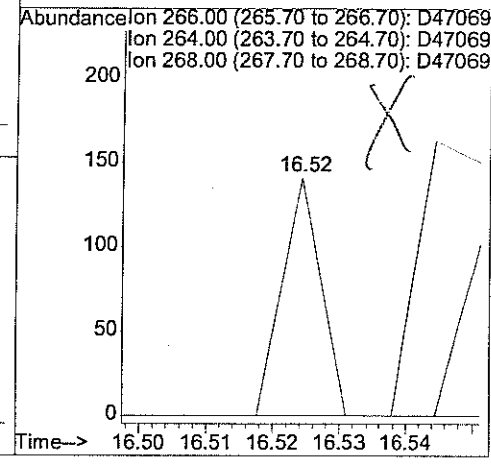




#64
Pentachlorophenol
Concen: 6.17 ug/ml
RT: 16.52 min Scan# 2249
Delta R.T. 0.04 min
Lab File: D47069B.D
Acq: 25 Apr 2006 10:59 pm

Tgt Ion:266 Resp: 57

Ion	Ratio	Lower	Upper
266	100		
264	71.9	50.3	75.5
268	221.1	51.0	76.4#



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800-929-9906

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100

April 25, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number:

Field Sample ID: NSB-NLON-SITE7-CS-SL-EXS-SWS-3

SAMPLE DATA

Lab Sample ID:	56323-1
Matrix:	Solid
Percent Solid:	90
Dilution Factor:	1.1
Collection Date:	04/19/06
Lab Receipt Date:	04/21/06
Extraction Date:	04/24/06
Analysis Date:	04/25/06

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	280	U
Acenaphthylene	280	U
Acenaphthene	280	U
Fluorene	280	U
Phenanthrene	280	**591**
Anthracene	280	**169 J**
Fluoranthene	280	**985**
Pyrene	280	**743**
Benzo[a]anthracene	280	**429**
Chrysene	280	**410**
Benzo[b] fluoranthene	280	**370**
Benzo[k] fluoranthene	280	**345**
Benzo[a] pyrene	280	**396**
Dibenz [a,h] anthracene	280	U
Benzo(g,h,i) perylene	280	U
Indeno [1,2,3-cd] pyrene	280	U
2-Methylnaphthalene	280	U

Surrogate Standard Recovery

d5-nitrobenzene	75 %	2-Fluorobiphenyl	87 %	d14-p-terphenyl	78 %

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042406-D\D47037.D
Acq On : 25 Apr 2006 1:24 am
Sample : 56323-1
Misc : SOIL
MS Integration Params: RTEINT.P
Quant Time: Apr 25 8:34 2006

Vial: 7
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 24 23:13:39 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4.25.06

DF = 1.1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.84	152	723953	40.00	ug/ml	0.01
19) d8-Naphthalene	8.77	136	2638931	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.07	164	1191309	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.64	188	2019846	40.00	ug/ml	0.00
71) d12-Chrysene	23.11	240	2024928	40.00	ug/ml	0.00
79) d12-Perylene	27.17	264	1812215	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.58	112	1344540	57.60	ug/ml	0.00
Spiked Amount 75.000	Range 29 - 97		Recovery = 76.80%			
5) d5-Phenol	5.50	99	1842007	63.49	ug/ml	0.00
Spiked Amount 75.000	Range 40 - 120		Recovery = 84.65%			
20) d5-nitrobenzene	7.17	82	1133001	37.47	ug/ml	0.00
Spiked Amount 50.000	Range 20 - 101		Recovery = 74.94%			
39) 2-Fluorobiphenyl	11.46	172	1613073	43.39	ug/ml	0.00
Spiked Amount 50.000	Range 34 - 102		Recovery = 86.78%			
60) 2,4,6-Tribromophenol	15.06	330	490074	76.34	ug/ml	0.00
Spiked Amount 75.000	Range 36 - 141		Recovery = 101.79%			
73) d14-p-terphenyl	20.60	244	1642982	38.79	ug/ml	0.00
Spiked Amount 50.000	Range 38 - 108		Recovery = 77.58%			
Target Compounds						Qvalue
~~47~~) 2,4-dinitrophenol	13.38	184	98	~~5.97~~	ug/ml#	34
~~56~~) 4,6-Dinitro-2-methylphenol	14.70	198	70	~~4.20~~	ug/ml#	1
~~64~~) Pentachlorophenol	16.48	266	46	~~6.17~~	ug/ml#	1
(65) Phenanthrene	16.69	178	856871	15.95	ug/ml	99
(66) Anthracene	16.79	178	246494	4.55	ug/ml	95
(69) Fluoranthene	19.60	202	1441189	26.60	ug/ml	98
~~70~~) Benzidine	20.01	184	451	~~Below~~ Cal	#	1
(72) Pyrene	20.13	202	1206796	20.08	ug/ml	98
(75) Benzo[a]anthracene	23.05	228	661576	11.58	ug/ml	96
(76) Chrysene	23.15	228	623560	11.08	ug/ml	97
(81) Benzo[b] fluoranthene	25.96	252	514209	10.00	ug/ml	98
(82) Benzo[k] fluoranthene	26.02	252	454084	9.31	ug/ml	97
(83) Benzo[a] pyrene	26.95	252	516345	10.69	ug/ml	99

(9)

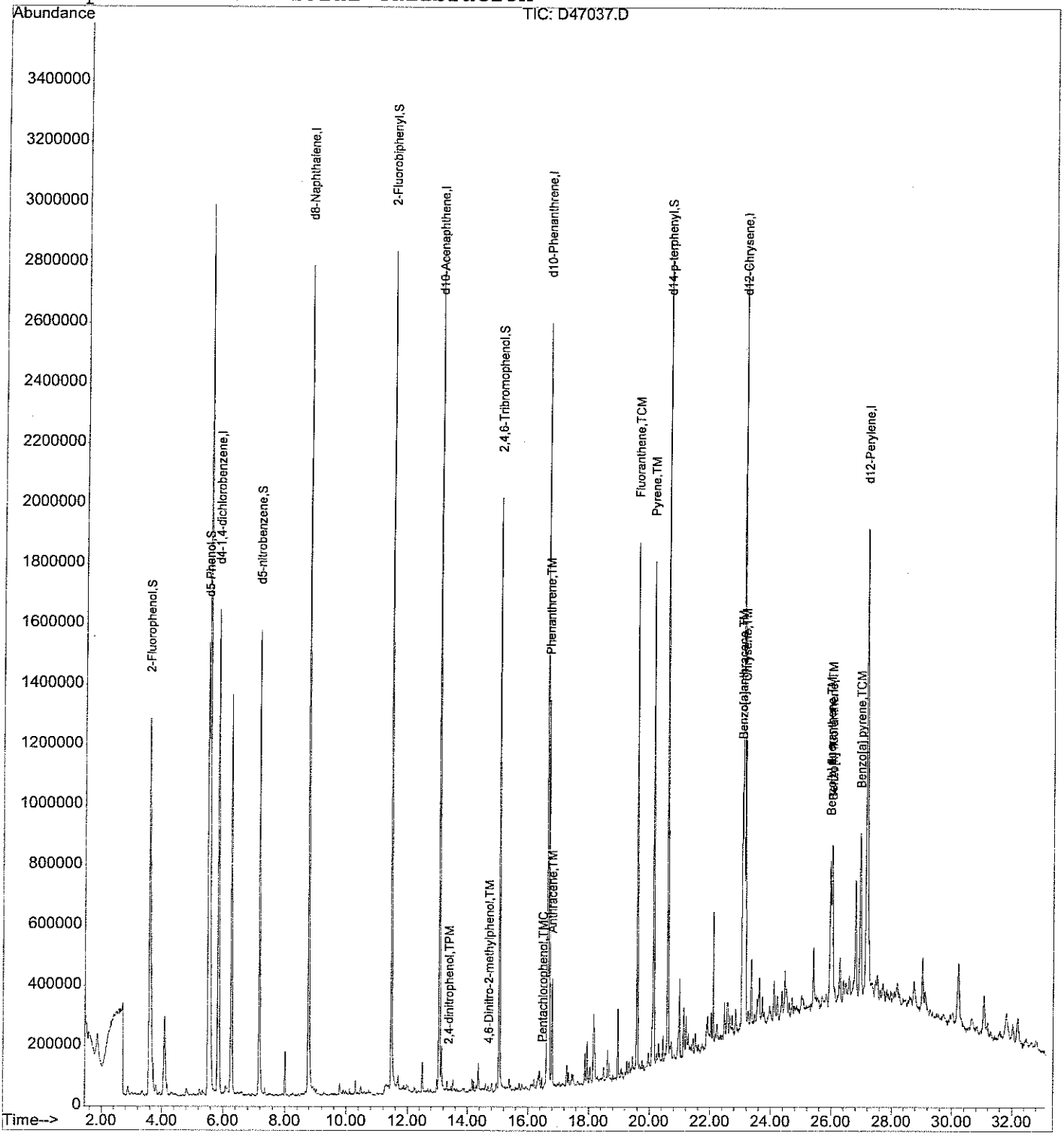
4.25.06

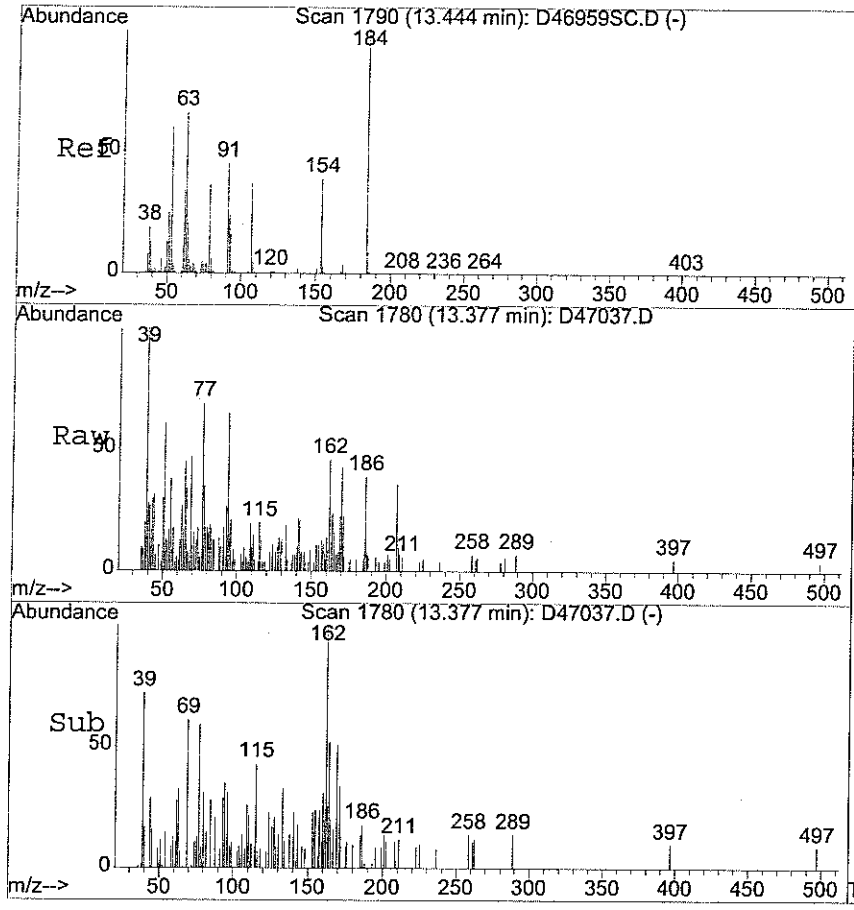
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042406-D\D47037.D Vial: 7
Acq On : 25 Apr 2006 1:24 am Operator:
Sample : 56323-1 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 25 8:34 2006 Quant Results File: S04036.RES

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 24 23:13:39 2006
Response via : Initial Calibration

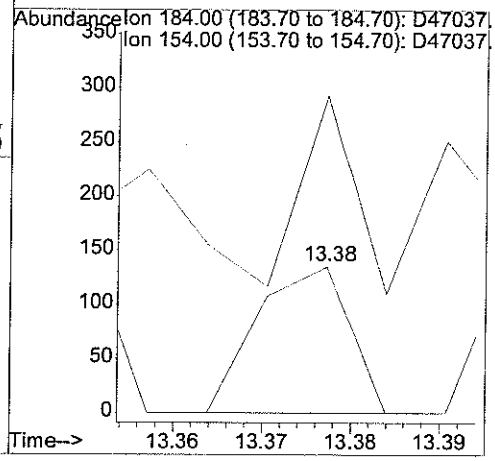


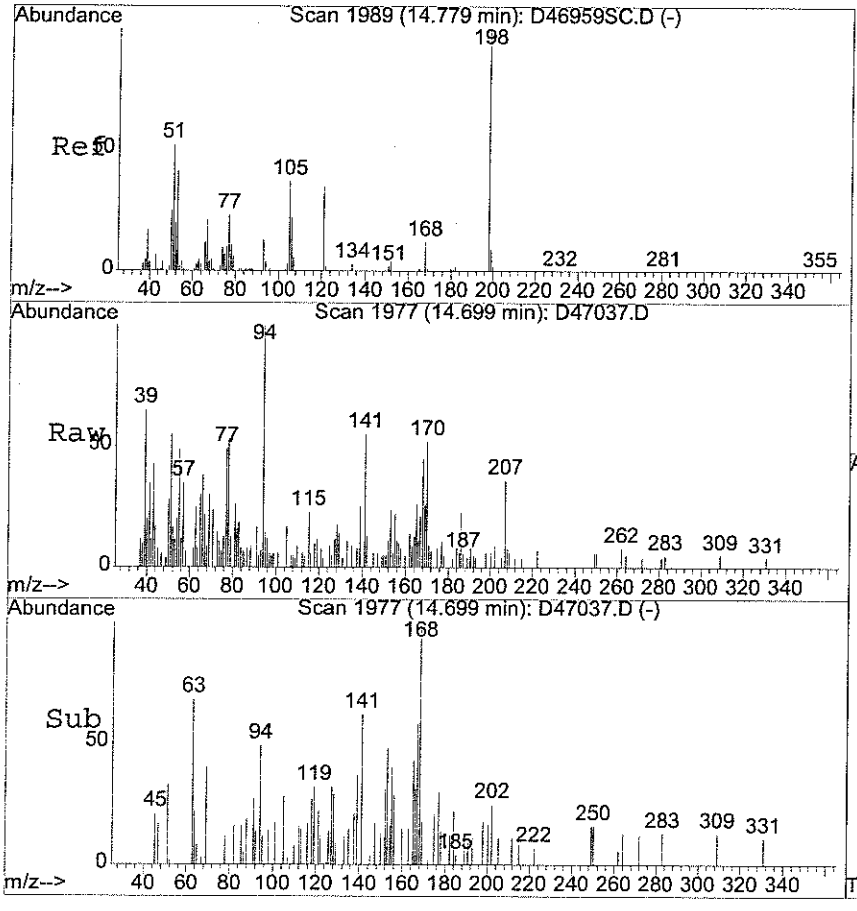


#47
2,4-dinitrophenol
Concen: 5.97 ug/ml
RT: 13.38 min Scan# 1780
Delta R.T. -0.00 min
Lab File: D47037.D
Acq: 25 Apr 2006 1:24 am

Tgt Ion:184 Resp: 98

Ion	Ratio	Lower	Upper
184	100		
154	76.5	29.8	44.6#

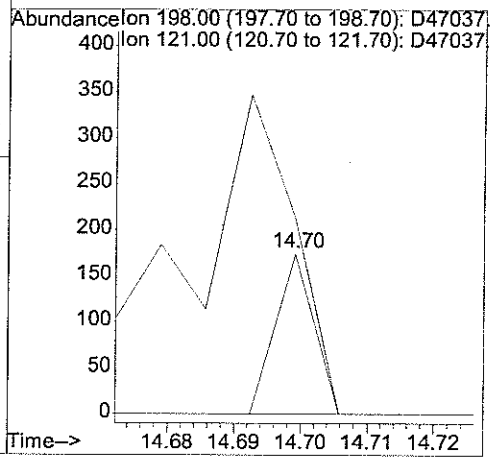


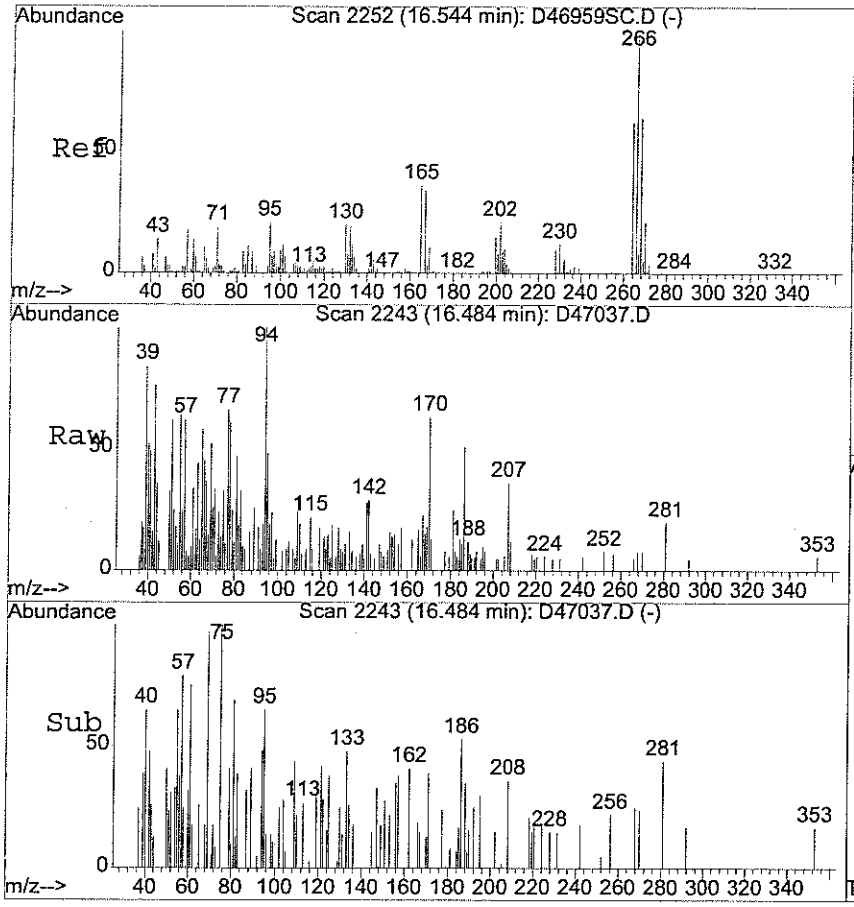


#56
4,6-Dinitro-2-methylphenol
Concen: 4.20 ug/ml
RT: 14.70 min Scan# 1977
Delta R.T. -0.02 min
Lab File: D47037.D
Acq: 25 Apr 2006 1:24 am

Tgt Ion:198 Resp: 70

Ion	Ratio	Lower	Upper
198	100		
121	492.9	26.9	40.3#

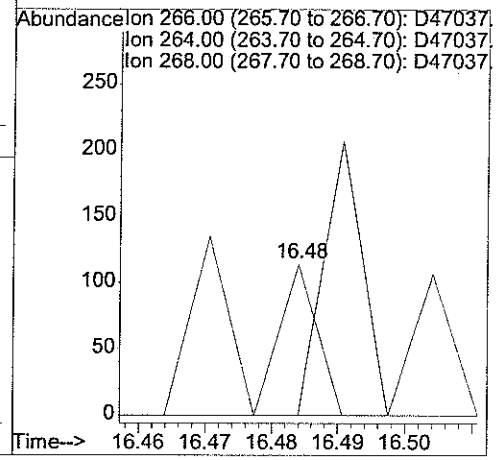


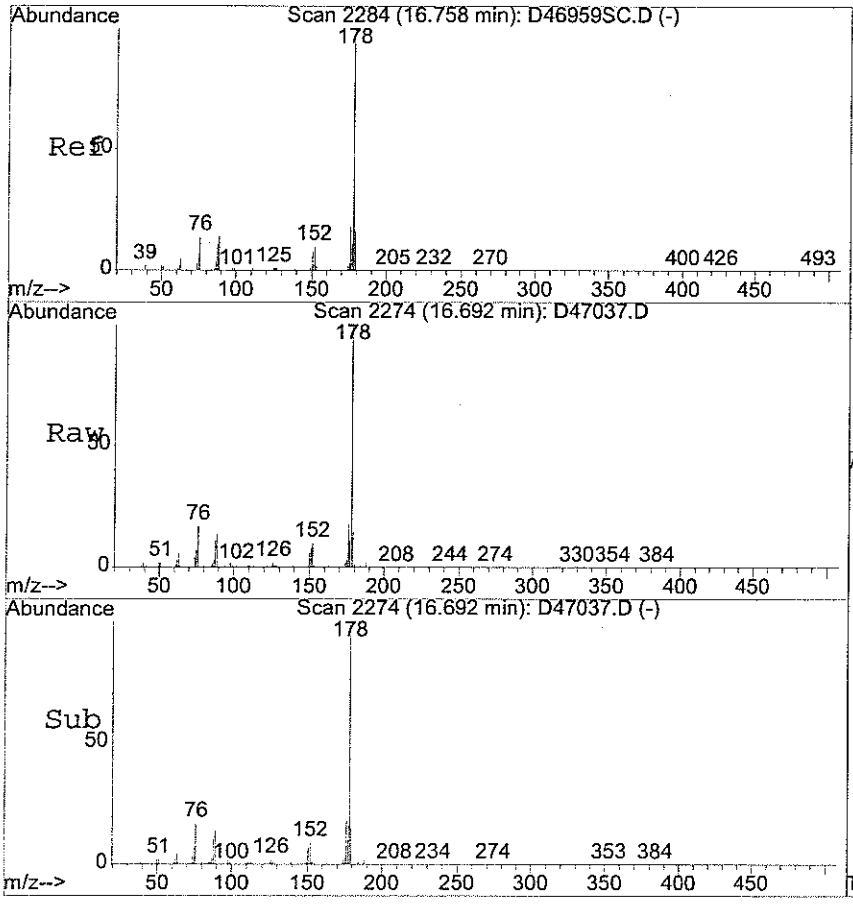


#64
Pentachlorophenol
Concen: 6.17 ug/ml
RT: 16.48 min Scan# 2243
Delta R.T. 0.02 min
Lab File: D47037.D
Acq: 25 Apr 2006 1:24 am

Tgt Ion:266 Resp: 46

Ion	Ratio	Lower	Upper
266	100		
264	180.4	50.0	75.0#
268	0.0	50.6	75.8#

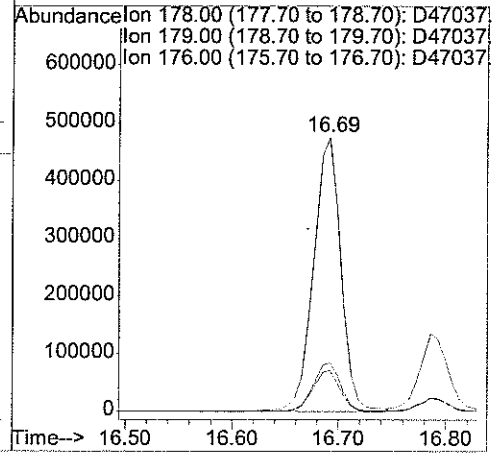


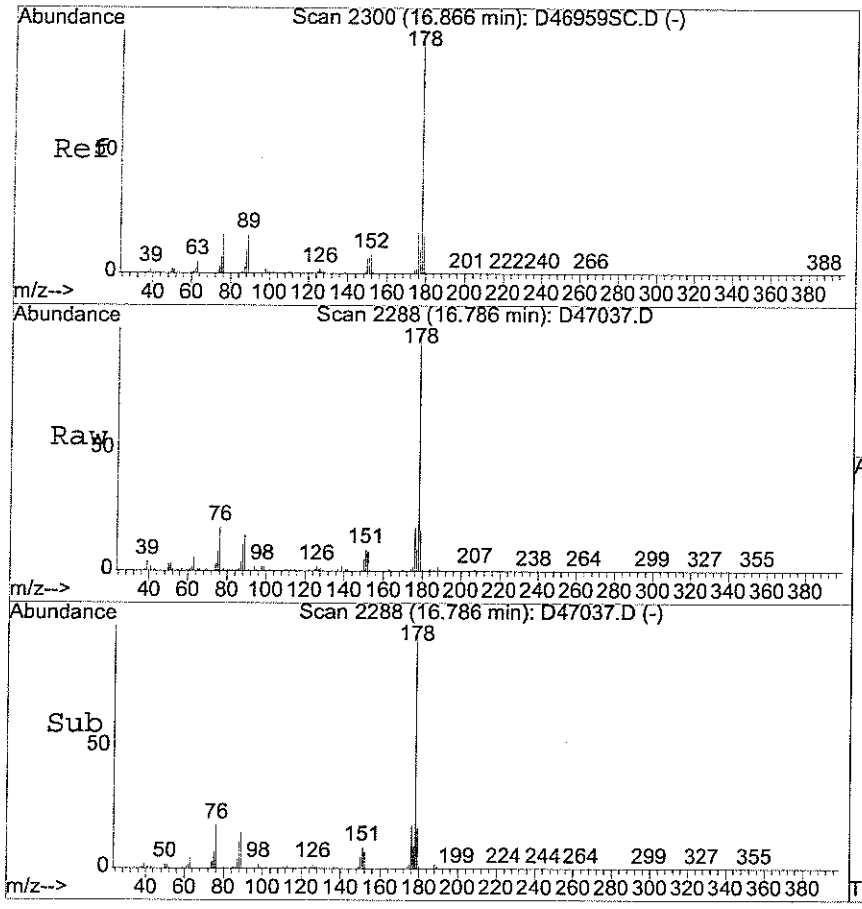


#65
Phenanthrene
Concen: 15.95 ug/ml
RT: 16.69 min Scan# 2274
Delta R.T. -0.00 min
Lab File: D47037.D
Acq: 25 Apr 2006 1:24 am

Tgt Ion:178 Resp: 856871

Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.5	18.7
176	18.0	14.5	21.7

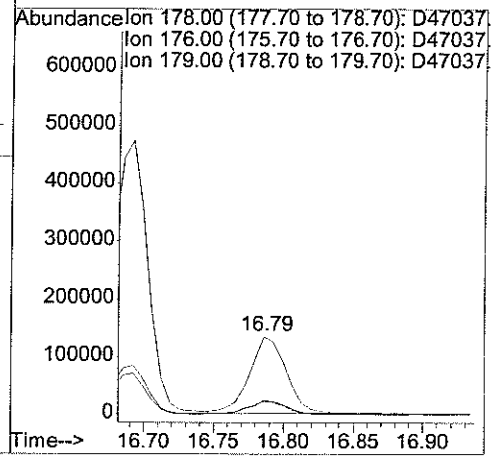


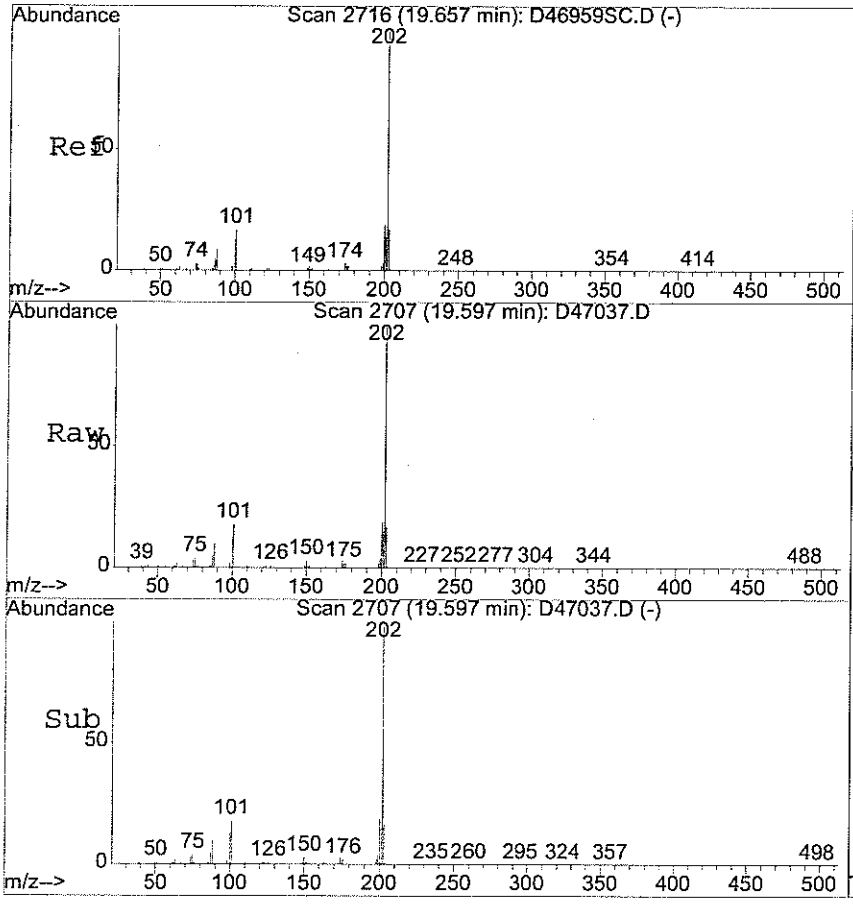


#66
Anthracene
Concen: 4.55 ug/ml
RT: 16.79 min Scan# 2288
Delta R.T. -0.01 min
Lab File: D47037.D
Acq: 25 Apr 2006 1:24 am

Tgt Ion:178 Resp: 246494

Ion	Ratio	Lower	Upper
178	100		
176	18.6	13.5	20.3
179	17.8	12.2	18.4

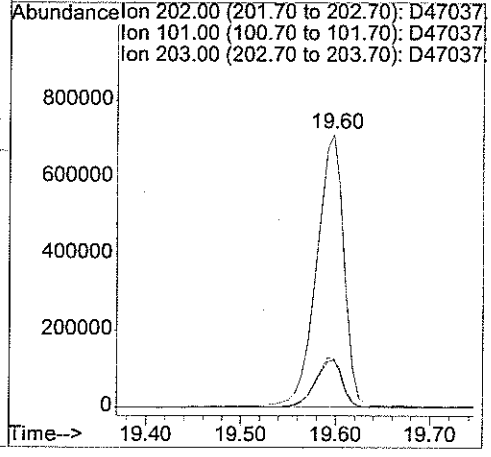


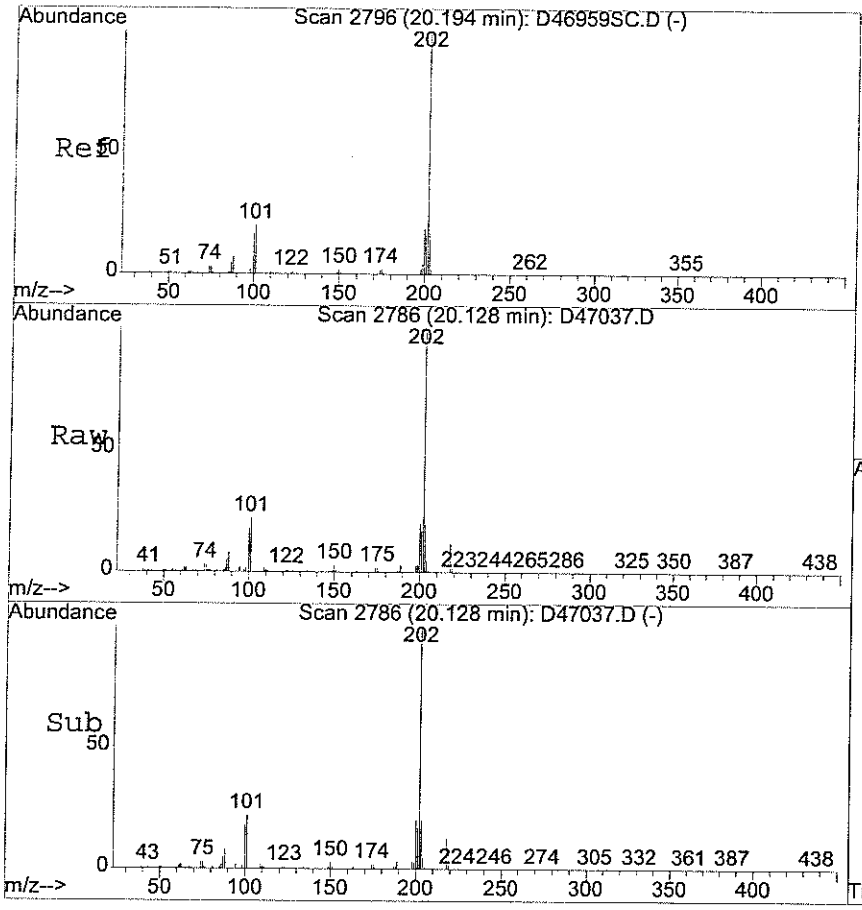


#69
Fluoranthene
Concen: 26.60 ug/ml
RT: 19.60 min Scan# 2707
Delta R.T. 0.01 min
Lab File: D47037.D
Acq: 25 Apr 2006 1:24 am

Tgt Ion:202 Resp: 1441189

Ion	Ratio	Lower	Upper
202	100		
101	17.7	15.3	22.9
203	17.3	14.1	21.1

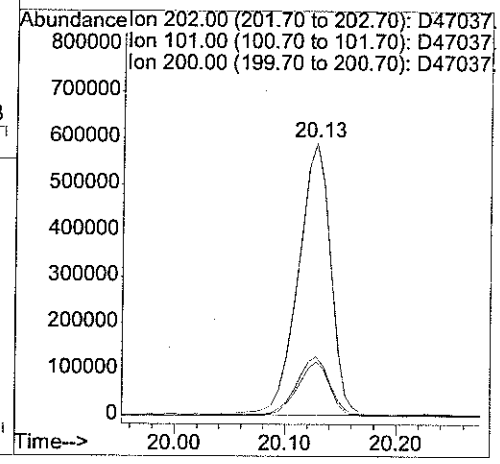


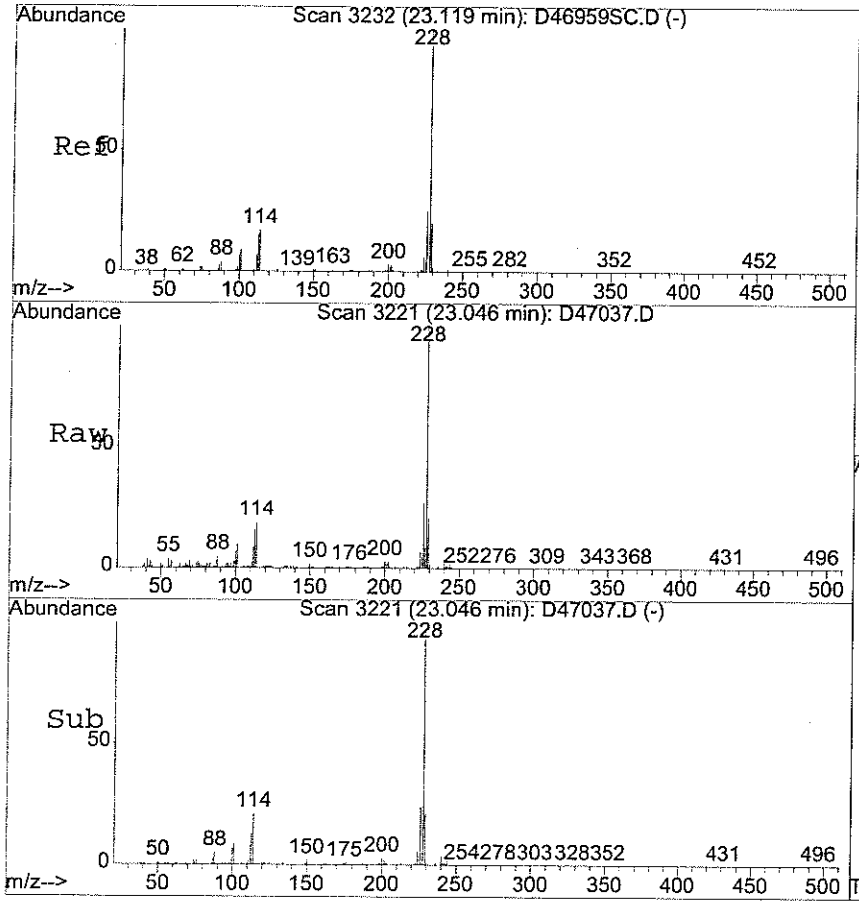


#72
Pyrene
Concen: 20.08 ug/ml
RT: 20.13 min Scan# 2786
Delta R.T. 0.01 min
Lab File: D47037.D
Acq: 25 Apr 2006 1:24 am

Tgt Ion:202 Resp: 1206796

Ion	Ratio	Lower	Upper
202	100		
101	22.9	17.7	26.5
200	20.1	15.6	23.4

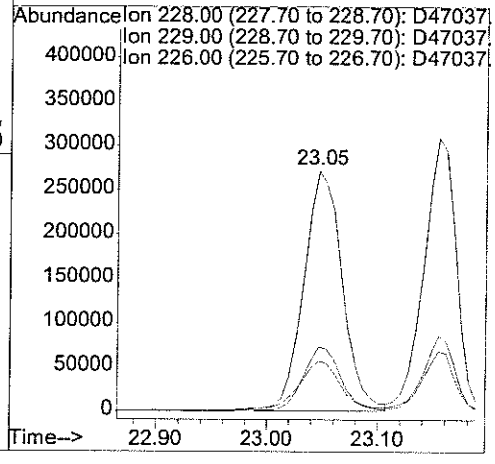


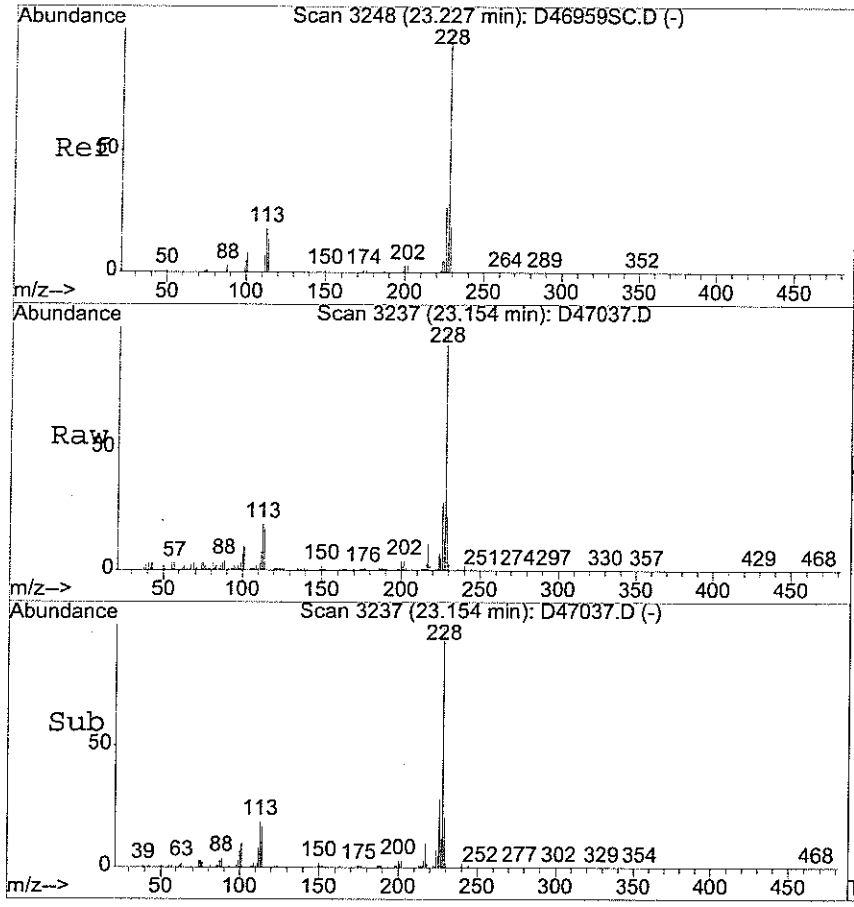


#75
Benzo[a]anthracene
Concen: 11.58 ug/ml
RT: 23.05 min Scan# 3221
Delta R.T. -0.00 min
Lab File: D47037.D
Acq: 25 Apr 2006 1:24 am

Tgt Ion:228 Resp: 661576

Ion	Ratio	Lower	Upper
228	100		
229	23.0	15.8	23.6
226	26.3	20.6	30.8

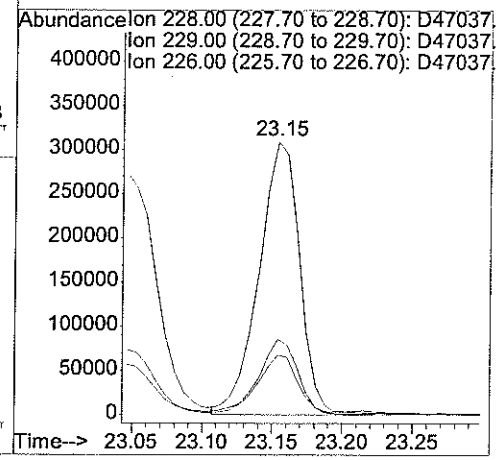


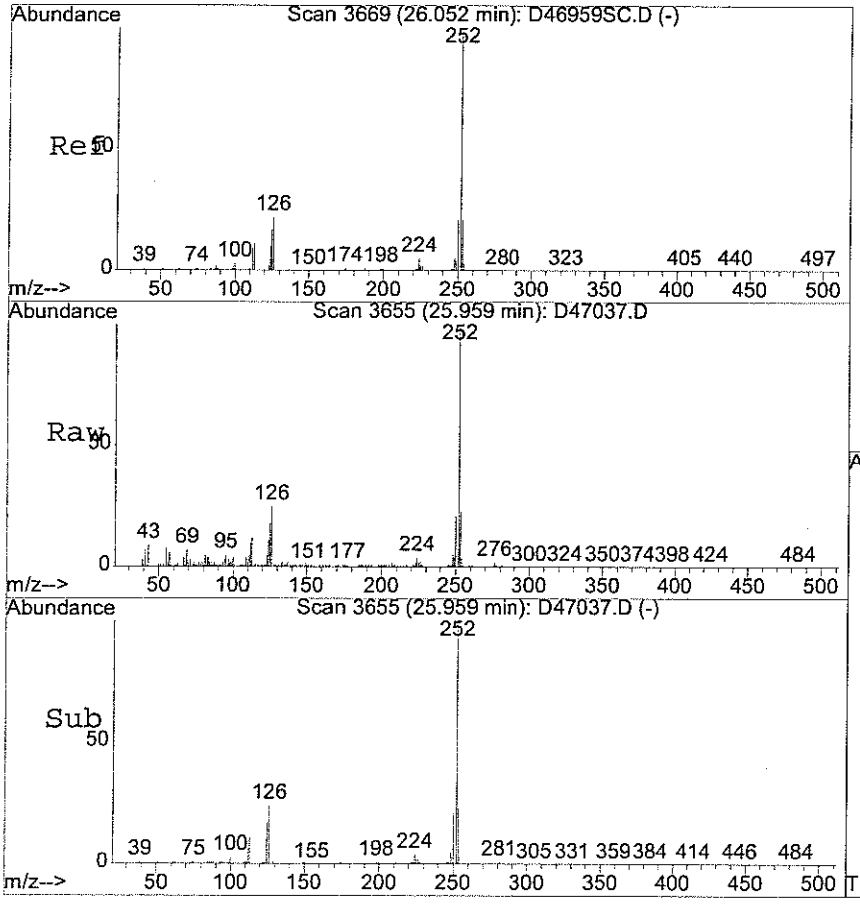


#76
Chrysene
Concen: 11.08 ug/ml
RT: 23.15 min Scan# 3237
Delta R.T. -0.01 min
Lab File: D47037.D
Acq: 25 Apr 2006 1:24 am

Tgt Ion:228 Resp: 623560

Ion	Ratio	Lower	Upper
228	100		
229	21.6	15.8	23.6
226	26.2	22.1	33.1

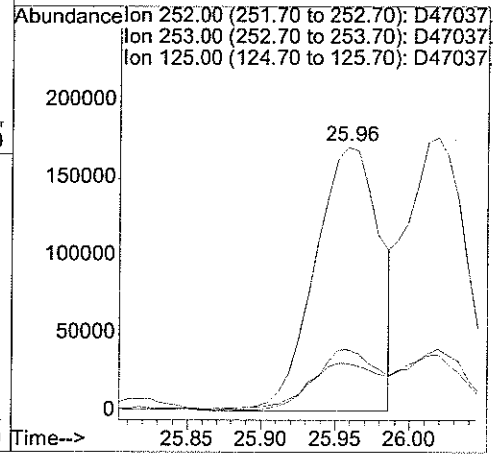


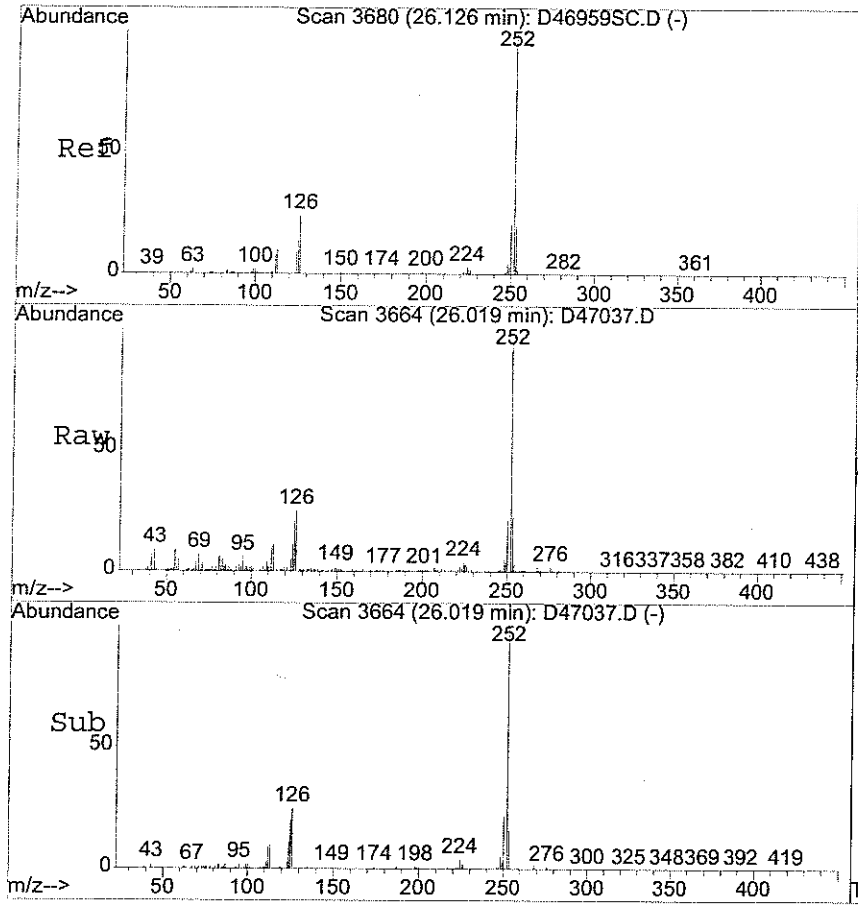


#81
Benzo[b] fluoranthene
Concen: 10.00 ug/ml
RT: 25.96 min Scan# 3655
Delta R.T. -0.00 min
Lab File: D47037.D
Acq: 25 Apr 2006 1:24 am

Tgt Ion:252 Resp: 514209

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.2
125	19.1	14.7	22.1

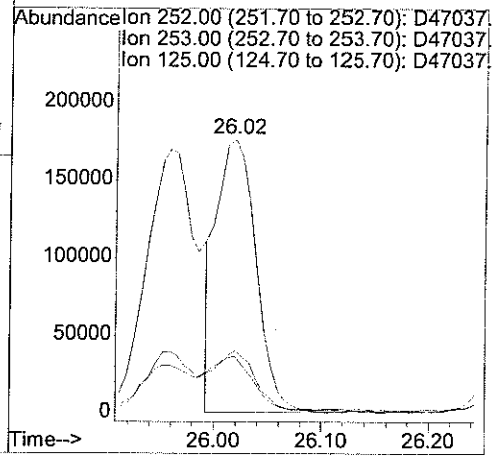


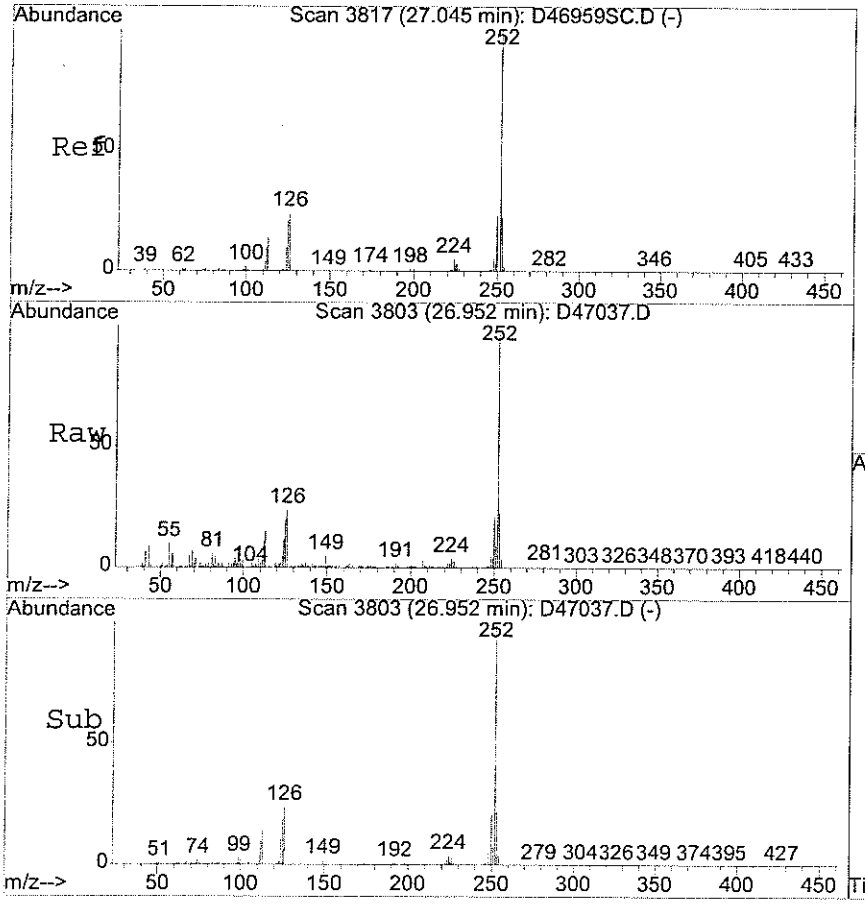


#82
Benzo[k] fluoranthene
Concen: 9.31 ug/ml
RT: 26.02 min Scan# 3664
Delta R.T. -0.01 min
Lab File: D47037.D
Acq: 25 Apr 2006 1:24 am

Tgt Ion:252 Resp: 454084

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.6	26.4
125	21.3	14.8	22.2

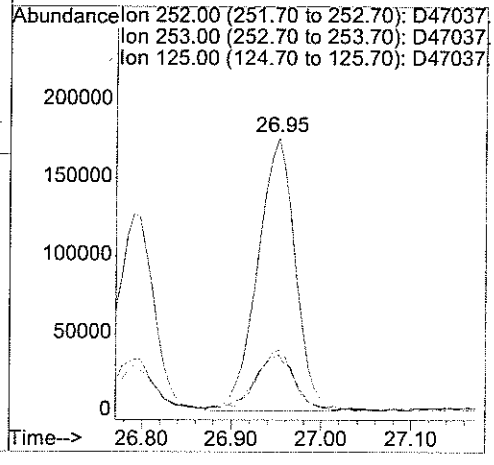




#83
Benzo[a] pyrene
Concen: 10.69 ug/ml
RT: 26.95 min Scan# 3803
Delta R.T. -0.00 min
Lab File: D47037.D
Acq: 25 Apr 2006 1:24 am

Tgt Ion:252 Resp: 516345

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.5	26.3
125	20.7	16.2	24.4



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Mr. Rick Woodworth
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820 Town Center Drive, Suite 100

April 25, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number:

Field Sample ID: NSB-NLON-SITE7-CS-SL-EXS-SWN-6

SAMPLE DATA

Lab Sample ID:	56323-2
Matrix:	Solid
Percent Solid:	94
Dilution Factor:	1.0
Collection Date:	04/19/06
Lab Receipt Date:	04/21/06
Extraction Date:	04/24/06
Analysis Date:	04/25/06

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	260	U
Acenaphthylene	260	U
Acenaphthene	260	U
Fluorene	260	U
Phenanthrene	260	U
Anthracene	260	U
Fluoranthene	260	U
Pyrene	260	U
Benzo[a]anthracene	260	U
Chrysene	260	U
Benzo[b] fluoranthene	260	U
Benzo[k] fluoranthene	260	U
Benzo[a] pyrene	260	U
Dibenz [a,h] anthracene	260	U
Benzo(g,h,i) perylene	260	U
Indeno [1,2,3-cd] pyrene	260	U
2-Methylnaphthalene	260	U

Surrogate Standard Recovery

d5-nitrobenzene	70 %	2-Fluorobiphenyl	80 %	d14-p-terphenyl	80 %

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature Melissa Hall

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042406-D\D47038.D Vial: 8
Acq On : 25 Apr 2006 1:57 am Operator:
Sample : 56323-2 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 25 8:34 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 24 23:13:39 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4.25.06

df = 1.0

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.84	152	722334	40.00	ug/ml	0.01
19) d8-Naphthalene	8.77	136	2677142	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.07	164	1234352	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.64	188	2174865	40.00	ug/ml	0.00
71) d12-Chrysene	23.10	240	2047926	40.00	ug/ml	0.00
79) d12-Perylene	27.17	264	1816440	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.59	112	1171287	50.29	ug/ml	0.01
Spiked Amount 75.000	Range 29 - 97		Recovery = 67.05%			
5) d5-Phenol	5.50	99	1718647	59.38	ug/ml	0.00
Spiked Amount 75.000	Range 40 - 120		Recovery = 79.17%			
20) d5-nitrobenzene	7.17	82	1076118	35.08	ug/ml	0.00
Spiked Amount 50.000	Range 20 - 101		Recovery = 70.16%			
39) 2-Fluorobiphenyl	11.47	172	1536577	39.89	ug/ml	0.00
Spiked Amount 50.000	Range 34 - 102		Recovery = 79.78%			
60) 2,4,6-Tribromophenol	15.06	330	512280	77.02	ug/ml	0.00
Spiked Amount 75.000	Range 36 - 141		Recovery = 102.69%			
73) d14-p-terphenyl	20.60	244	1703935	39.77	ug/ml	0.00
Spiked Amount 50.000	Range 38 - 108		Recovery = 79.54%			
Target Compounds						Qvalue
47) 2,4-dinitrophenol	13.37	184	166	5.98	ug/ml#	38
56) 4,6-Dinitro-2-methylphenol	14.71	198	52	4.20	ug/ml#	1
64) Pentachlorophenol	16.47	266	41	6.17	ug/ml#	22
70) Benzidine	20.01	184	434	Below Cal	#	1

NB

04-25-06

(#) = qualifier out of range (m) = manual integration

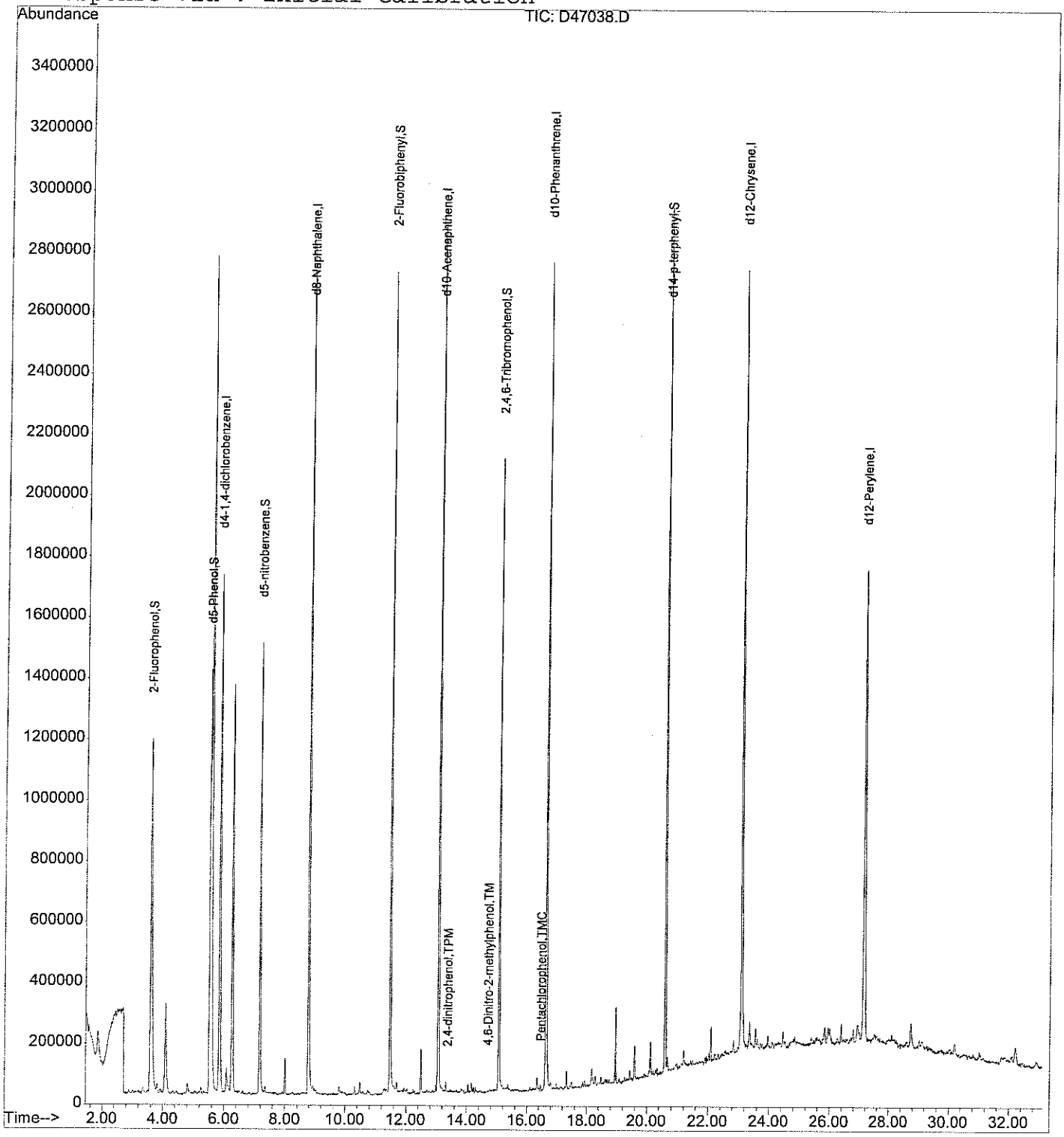
Quantitation Report

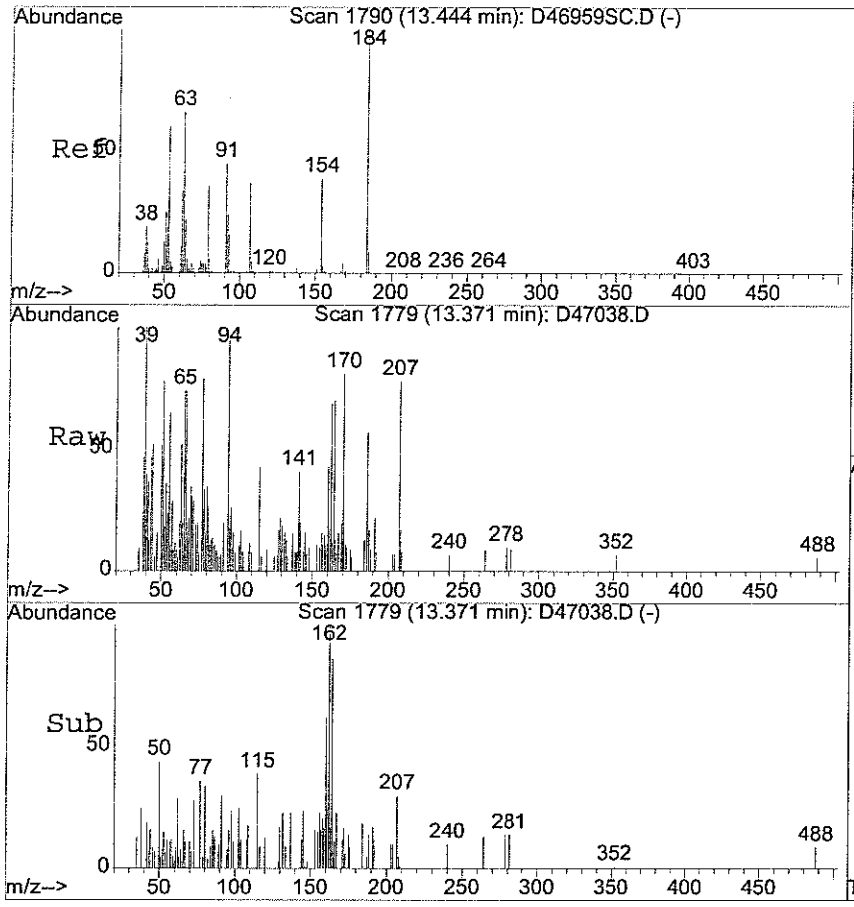
Data File : D:\HPCHEM\1\DATA\042406-D\D47038.D
Acq On : 25 Apr 2006 1:57 am
Sample : 56323-2
Misc : SOIL
MS Integration Params: RTEINT.P
Quant Time: Apr 25 8:34 2006

Vial: 8
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: S04036.RES

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 24 23:13:39 2006
Response via : Initial Calibration

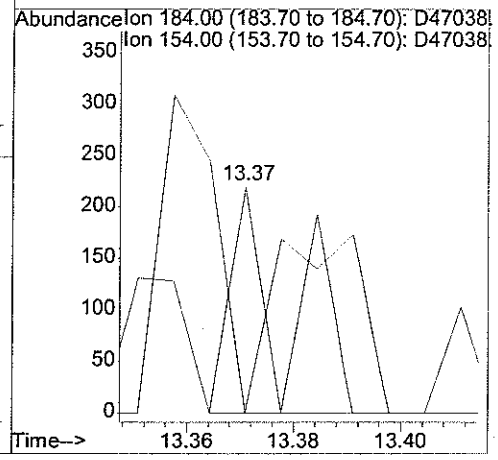


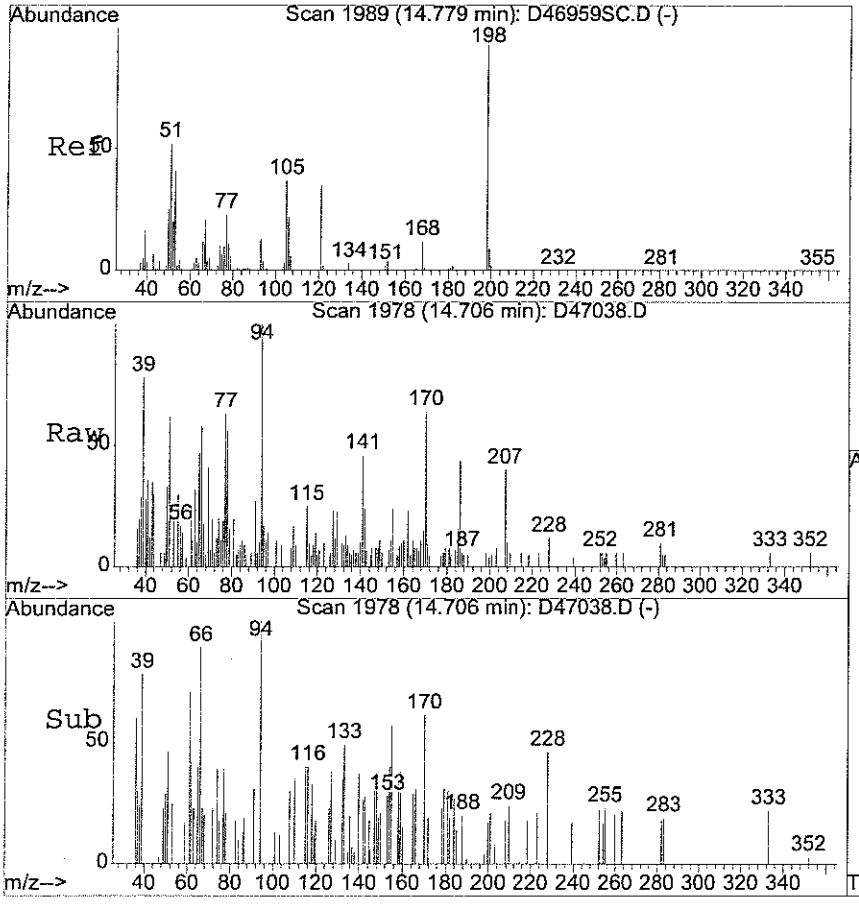


#47
2,4-dinitrophenol
Concen: 5.98 ug/ml
RT: 13.37 min Scan# 1779
Delta R.T. -0.01 min
Lab File: D47038.D
Acq: 25 Apr 2006 1:57 am

Tgt Ion:184 Resp: 166

Ion	Ratio	Lower	Upper
184	100		
154	0.0	29.8	44.6#

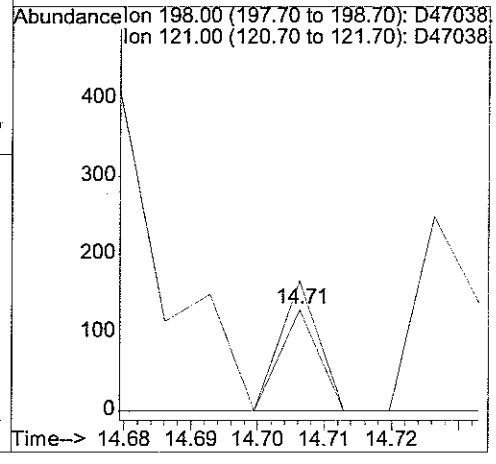


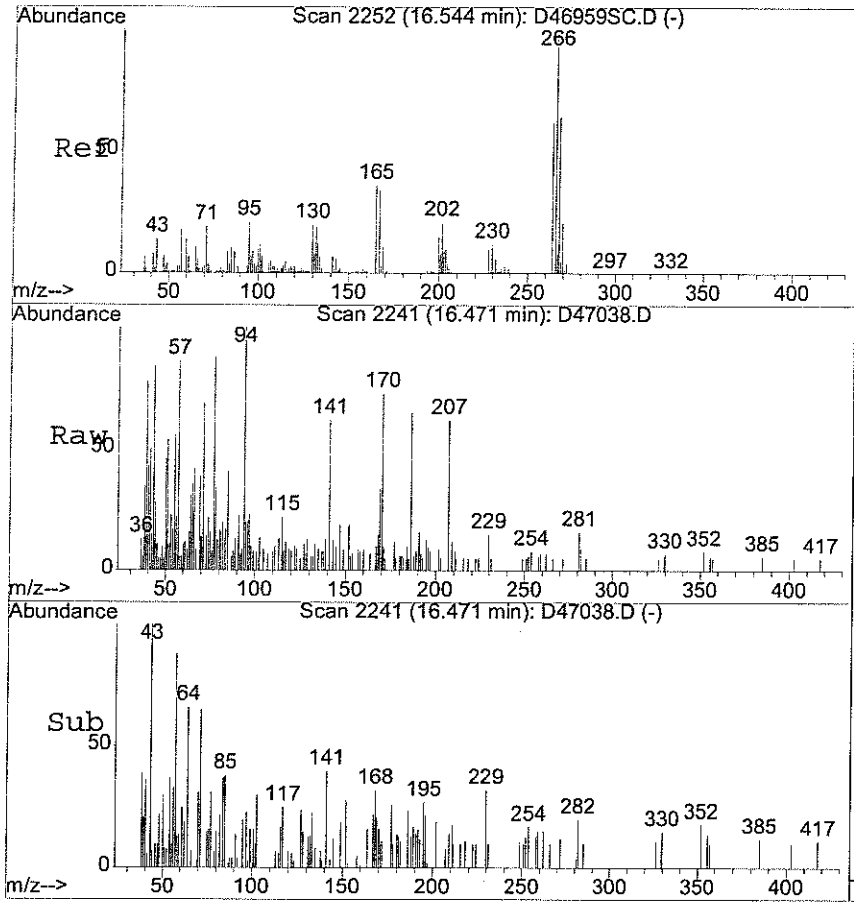


#56
4,6-Dinitro-2-methylphenol
Concen: 4.20 ug/ml
RT: 14.71 min Scan# 1978
Delta R.T. -0.01 min
Lab File: D47038.D
Acq: 25 Apr 2006 1:57 am

Tgt Ion:198 Resp: 52

Ion	Ratio	Lower	Upper
198	100		
121	409.6	26.9	40.3#

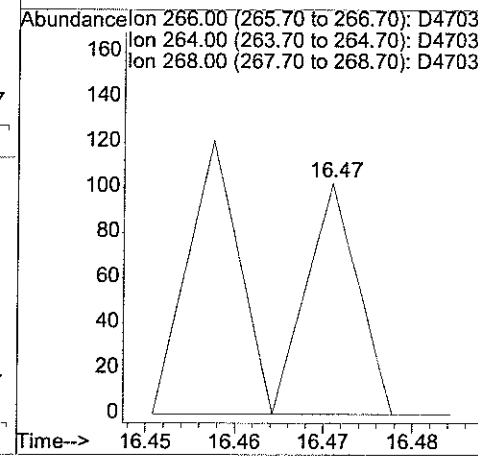




#64
Pentachlorophenol
Concen: 6.17 ug/ml
RT: 16.47 min Scan# 2241
Delta R.T. 0.01 min
Lab File: D47038.D
Acq: 25 Apr 2006 1:57 am

Tgt Ion:266 Resp: 41

Ion	Ratio	Lower	Upper
266	100		
264	119.5	50.0	75.0#
268	0.0	50.6	75.8#



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April 25, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number:

Field Sample ID: NSB-NLON-SITE7-CS-SL-EXS-SWN-7

SAMPLE DATA

Lab Sample ID:	56323-3
Matrix:	Solid
Percent Solid:	90
Dilution Factor:	1.1
Collection Date:	04/19/06
Lab Receipt Date:	04/21/06
Extraction Date:	04/24/06
Analysis Date:	04/25/06

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	270	U
Acenaphthylene	270	U
Acenaphthene	270	U
Fluorene	270	U
Phenanthrene	270	U
Anthracene	270	U
Fluoranthene	270	U
Pyrene	270	U
Benzo[a]anthracene	270	U
Chrysene	270	U
Benzo[b] fluoranthene	270	U
Benzo[k] fluoranthene	270	U
Benzo[a] pyrene	270	U
Dibenz [a,h] anthracene	270	U
Benzo(g,h,i) perylene	270	U
Indeno [1,2,3-cd] pyrene	270	U
2-Methylnaphthalene	270	U

Surrogate Standard Recovery

d5-nitrobenzene	71 %	2-Fluorobiphenyl	84 %	d14-p-terphenyl	78 %

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042406-D\D47039.D Vial: 9
Acq On : 25 Apr 2006 2:30 am Operator:
Sample : 56323-3 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 25 8:34 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 24 23:13:39 2006
Response via : Initial Calibration
DataAcq Meth : ABN

DF = 1.6

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.85	152	726927	40.00	ug/ml	0.02
19) d8-Naphthalene	8.78	136	2679372	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.07	164	1211814	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.64	188	2090058	40.00	ug/ml	0.00
71) d12-Chrysene	23.10	240	2020361	40.00	ug/ml	0.00
79) d12-Perylene	27.16	264	1940968	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.59	112	1251134	53.38	ug/ml	0.00
Spiked Amount 75.000	Range 29 - 97		Recovery = 71.17%			
5) d5-Phenol	5.50	99	1806656	62.02	ug/ml	0.00
Spiked Amount 75.000	Range 40 - 120		Recovery = 82.69%			
20) d5-nitrobenzene	7.17	82	1084893	35.34	ug/ml	0.00
Spiked Amount 50.000	Range 20 - 101		Recovery = 70.68%			
39) 2-Fluorobiphenyl	11.47	172	1582507	41.85	ug/ml	0.00
Spiked Amount 50.000	Range 34 - 102		Recovery = 83.70%			
60) 2,4,6-Tribromophenol	15.07	330	490294	75.08	ug/ml	0.00
Spiked Amount 75.000	Range 36 - 141		Recovery = 100.11%			
73) d14-p-terphenyl	20.61	244	1640203	38.81	ug/ml	0.00
Spiked Amount 50.000	Range 38 - 108		Recovery = 77.62%			
Target Compounds						Qvalue
47) 2,4-dinitrophenol	13.38	184	125	5.98	ug/ml#	1
56) 4,6-Dinitro-2-methylphenol	14.66	198	45	4.20	ug/ml#	1
64) Pentachlorophenol	16.48	266	54	6.17	ug/ml#	1
70) Benzidine	20.01	184	174	Below Cal	#	1

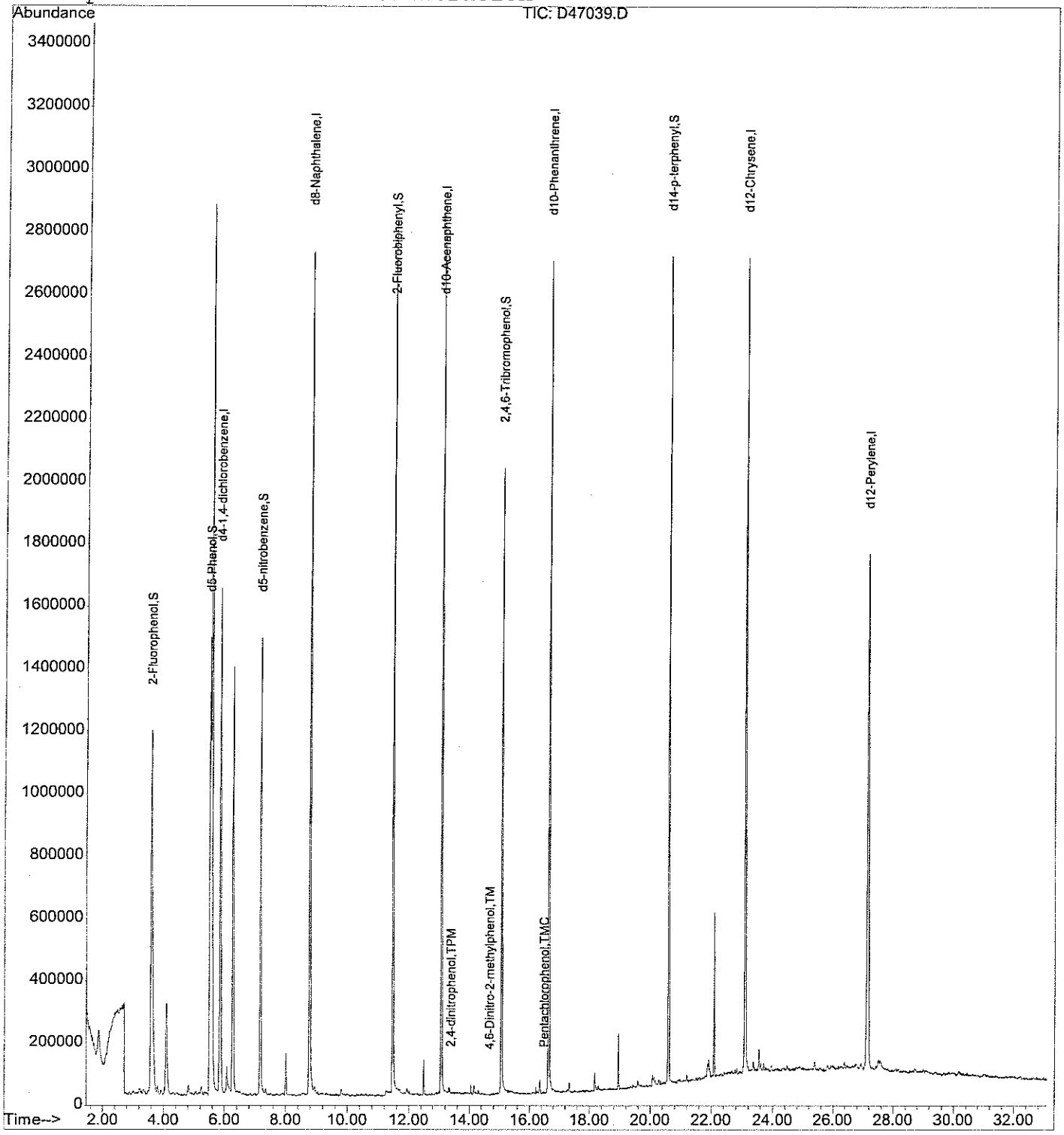
NB 4.25.06

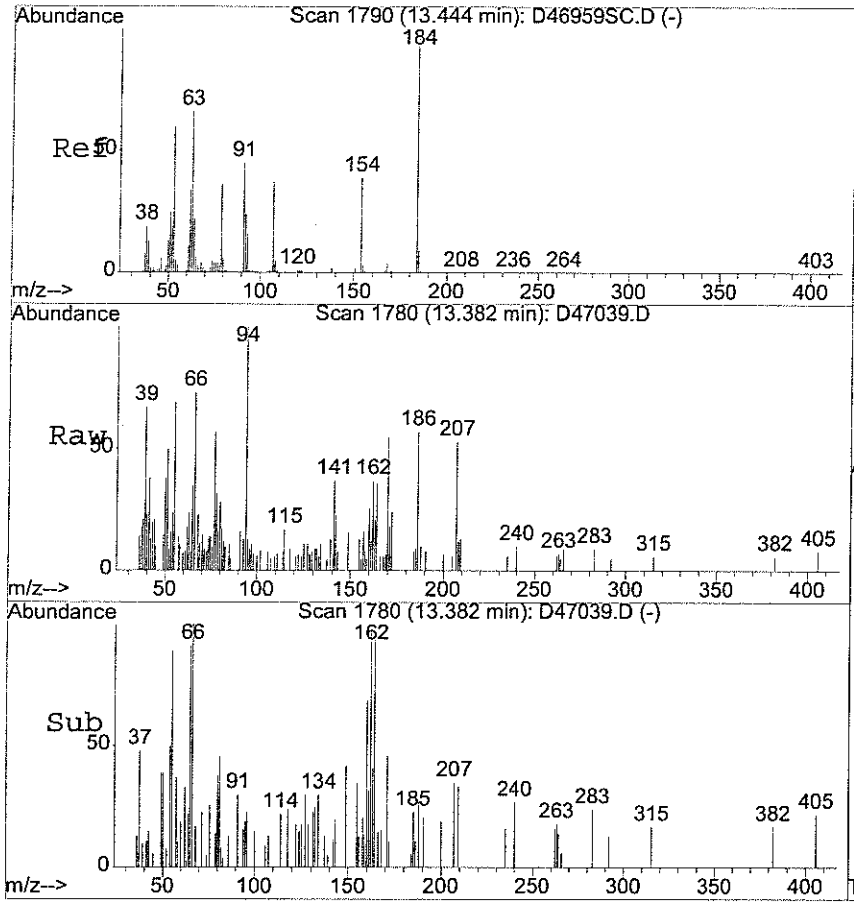
(#) = qualifier out of range (m) = manual integration
D47039.D S04036.M Tue Apr 25 08:34:30 2006 Page 1

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042406-D\D47039.D Vial: 9
Acq On : 25 Apr 2006 2:30 am Operator:
Sample : 56323-3 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 25 8:34 2006 Quant Results File: S04036.RES

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 24 23:13:39 2006
Response via : Initial Calibration

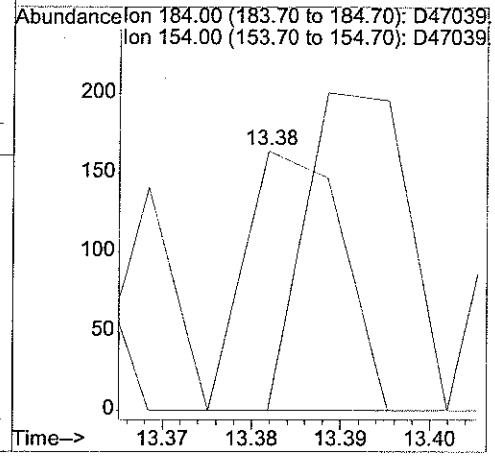


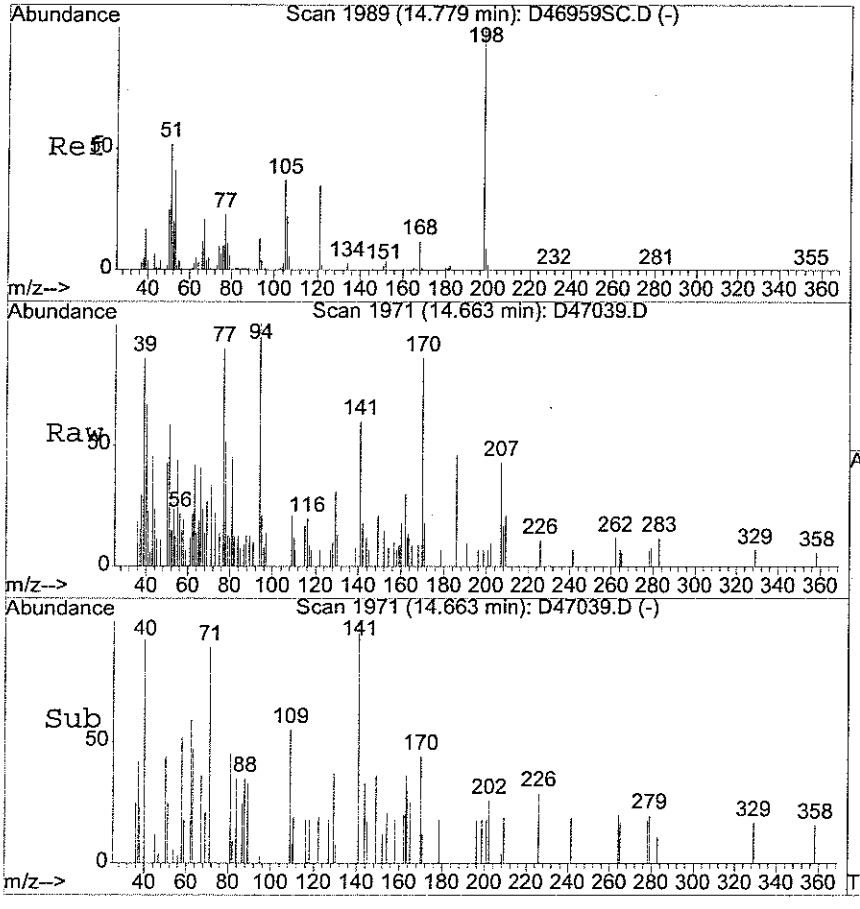


#47
2,4-dinitrophenol
Concen: 5.98 ug/ml
RT: 13.38 min Scan# 1780
Delta R.T. 0.00 min
Lab File: D47039.D
Acq: 25 Apr 2006 2:30 am

Tgt Ion:184 Resp: 125

Ion	Ratio	Lower	Upper
184	100		
154	128.0	29.8	44.6#

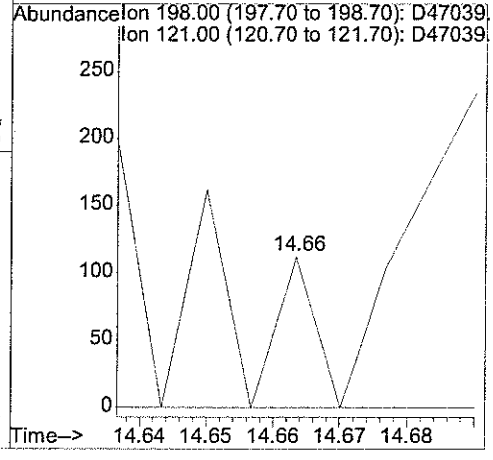


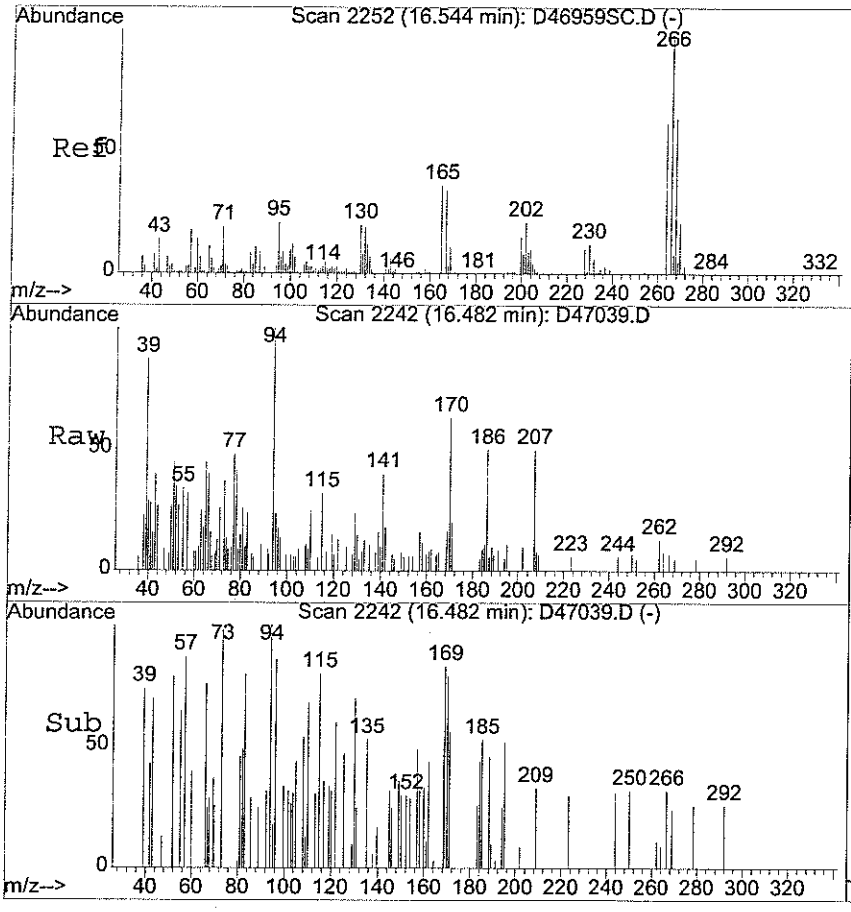


#56
4,6-Dinitro-2-methylphenol
Concen: 4.20 ug/ml
RT: 14.66 min Scan# 1971
Delta R.T. -0.06 min
Lab File: D47039.D
Acq: 25 Apr 2006 2:30 am

Tgt Ion:198 Resp: 45

Ion	Ratio	Lower	Upper
198	100		
121	322.2	26.9	40.3#

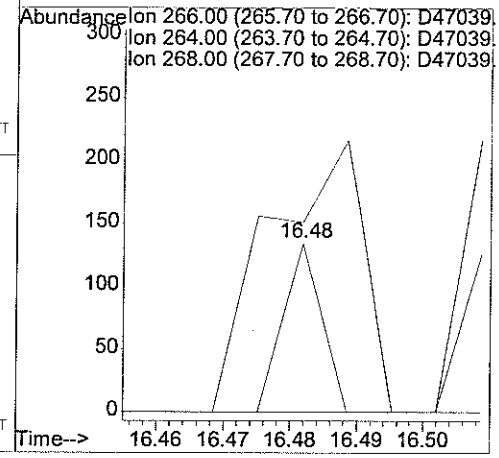




#64
Pentachlorophenol
Concen: 6.17 ug/ml
RT: 16.48 min Scan# 2242
Delta R.T. 0.02 min
Lab File: D47039.D
Acq: 25 Apr 2006 2:30 am

Tgt Ion:266 Resp: 54

Ion	Ratio	Lower	Upper
266	100		
264	390.7	50.0	75.0#
268	0.0	50.6	75.8#



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Bucks Town Corporate Campus
820 Town Center Drive, Suite 100

April 25, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number:

Field Sample ID: NSB-NLON-SITE7-CS-SL-EXS-SWN-8

SAMPLE DATA

Lab Sample ID:	56323-4
Matrix:	Solid
Percent Solid:	90
Dilution Factor:	1.1
Collection Date:	04/19/06
Lab Receipt Date:	04/21/06
Extraction Date:	04/24/06
Analysis Date:	04/25/06

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	280	U
Acenaphthylene	280	U
Acenaphthene	280	U
Fluorene	280	U
Phenanthrene	280	**849**
Anthracene	280	**231 J**
Fluoranthene	280	**1230**
Pyrene	280	**949**
Benzo[a]anthracene	280	**533**
Chrysene	280	**479**
Benzo[b] fluoranthene	280	**503**
Benzo[k] fluoranthene	280	**442**
Benzo[a] pyrene	280	**502**
Dibenz [a,h] anthracene	280	U
Benzo(g,h,i) perylene	280	U
Indeno [1,2,3-cd] pyrene	280	**141 J**
2-Methylnaphthalene	280	U

Surrogate Standard Recovery

d5-nitrobenzene	63 %	2-Fluorobiphenyl	75 %	d14-p-terphenyl	69 %

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042406-D\D47040.D Vial: 10
Acq On : 25 Apr 2006 3:03 am Operator:
Sample : 56323-4 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 25 8:34 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 24 23:13:39 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4.25.06

BF = 1.6

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.85	152	673079	40.00	ug/ml	0.02
19) d8-Naphthalene	8.77	136	2430556	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.07	164	1132898	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.64	188	1914373	40.00	ug/ml	0.00
71) d12-Chrysene	23.11	240	1965494	40.00	ug/ml	0.00
79) d12-Perylene	27.17	264	1554323	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.59	112	1027408	47.34	ug/ml	0.00
Spiked Amount 75.000	Range 29 - 97		Recovery = 63.12%			
5) d5-Phenol	5.51	99	1440043	53.39	ug/ml	0.02
Spiked Amount 75.000	Range 40 - 120		Recovery = 71.19%			
20) d5-nitrobenzene	7.17	82	876364	31.47	ug/ml	0.00
Spiked Amount 50.000	Range 20 - 101		Recovery = 62.94%			
39) 2-Fluorobiphenyl	11.47	172	1327752	37.56	ug/ml	0.00
Spiked Amount 50.000	Range 34 - 102		Recovery = 75.12%			
60) 2,4,6-Tribromophenol	15.06	330	418145	68.49	ug/ml	0.00
Spiked Amount 75.000	Range 36 - 141		Recovery = 91.32%			
73) d14-p-terphenyl	20.61	244	1425594	34.67	ug/ml	0.00
Spiked Amount 50.000	Range 38 - 108		Recovery = 69.34%			
Target Compounds						Qvalue
47) 2,4-dinitrophenol	13.38	184	79	~~5.97~~	ug/ml#	1
56) 4,6-Dinitro-2-methylphenol	14.72	198	57	~~4.20~~	ug/ml#	1
64) Pentachlorophenol	16.45	266	71	~~6.17~~	ug/ml#	1
65) Phenanthrene	16.70	178	1174487	23.07	ug/ml	99
66) Anthracene	16.79	178	322907	6.29	ug/ml	96
69) Fluoranthene	19.60	202	1711281	33.32	ug/ml	98
70) Benzidine	20.02	184	706	~~Below~~	Cal #	1
72) Pyrene	20.13	202	1503942	25.78	ug/ml	99
75) Benzo[a]anthracene	23.05	228	803692	14.50	ug/ml#	95
76) Chrysene	23.16	228	711469	13.03	ug/ml	98
81) Benzo[b] fluoranthene	25.96	252	602808	13.66	ug/ml	97
82) Benzo[k] fluoranthene	26.02	252	502086	12.00	ug/ml	95
83) Benzo[a] pyrene	26.96	252	565313	13.65	ug/ml	98
84) Indeno [1,2,3-cd] pyrene	31.06	276	154472	3.83	ug/ml	100

(10)

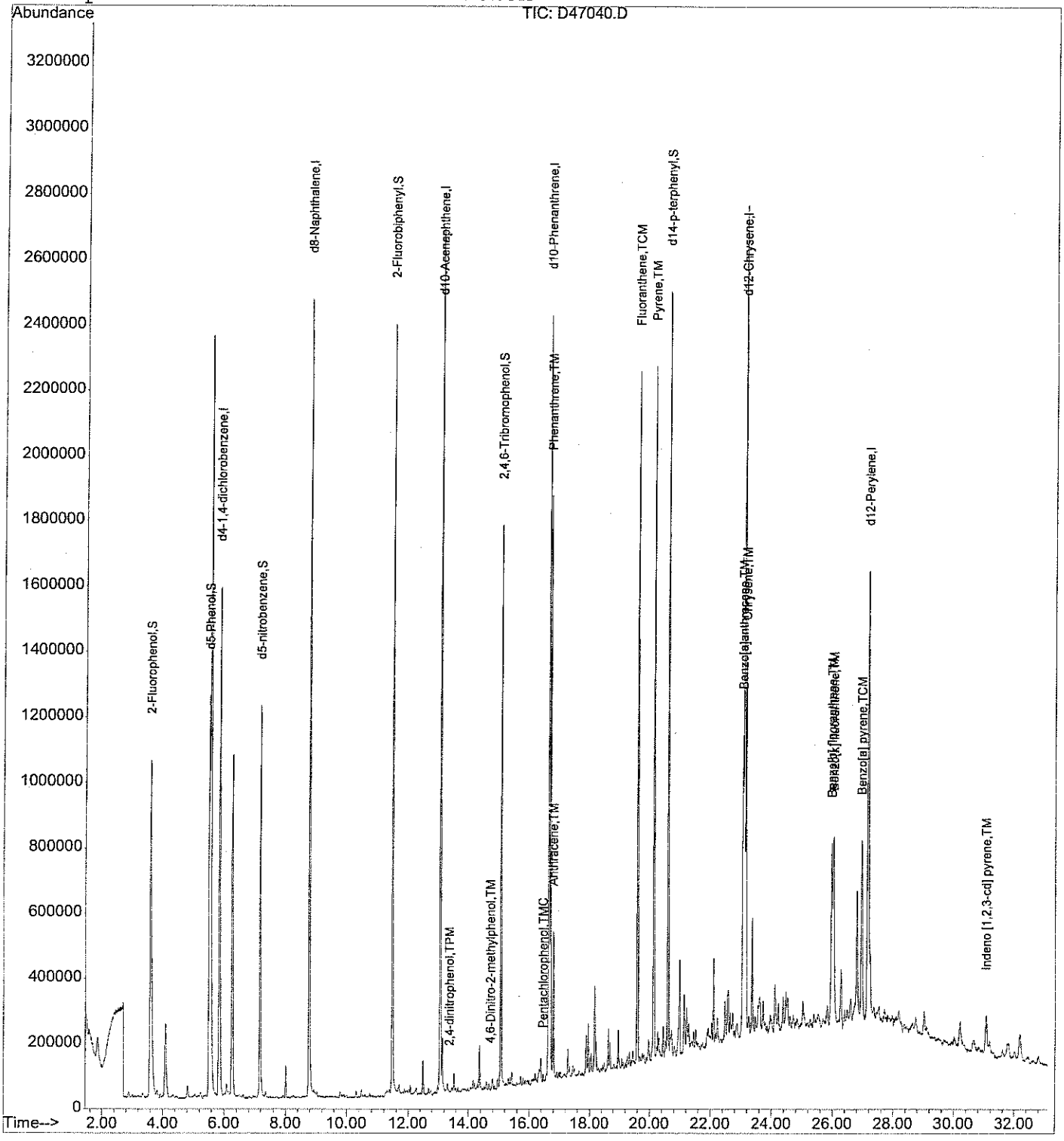
D47250

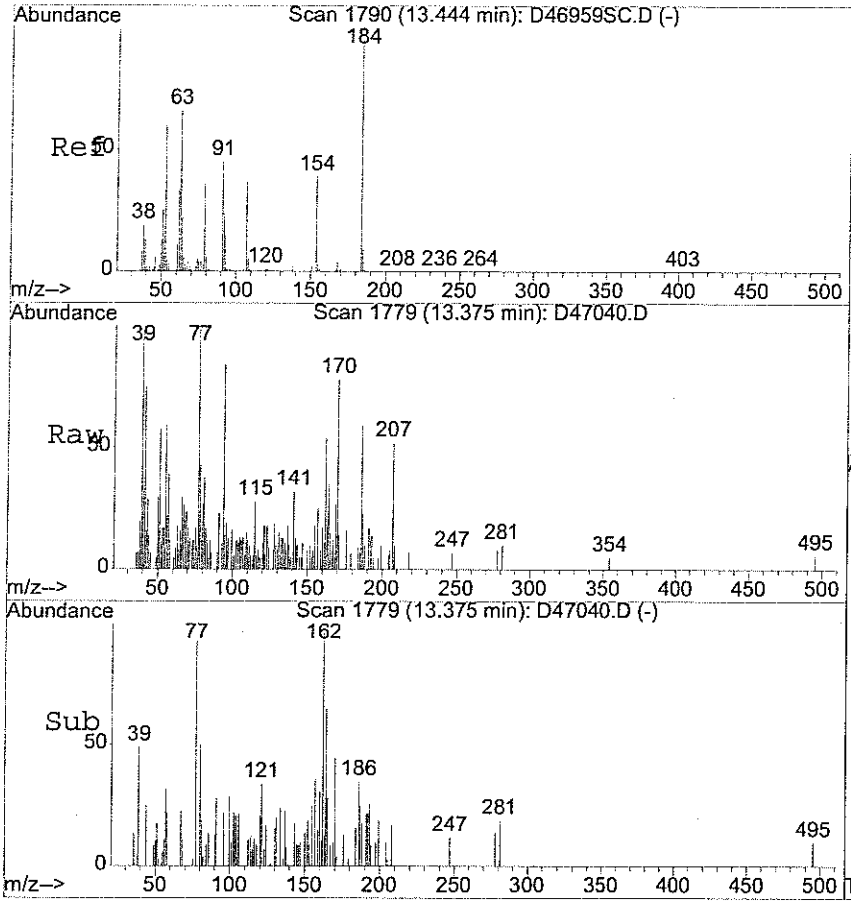
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042406-D\D47040.D Vial: 10
Acq On : 25 Apr 2006 3:03 am Operator:
Sample : 56323-4 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 25 8:34 2006 Quant Results File: S04036.RES

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 24 23:13:39 2006
Response via : Initial Calibration

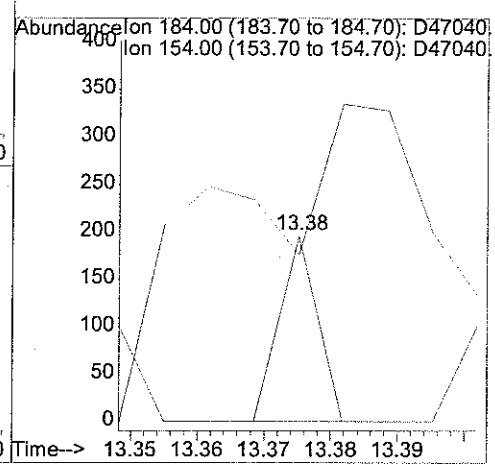


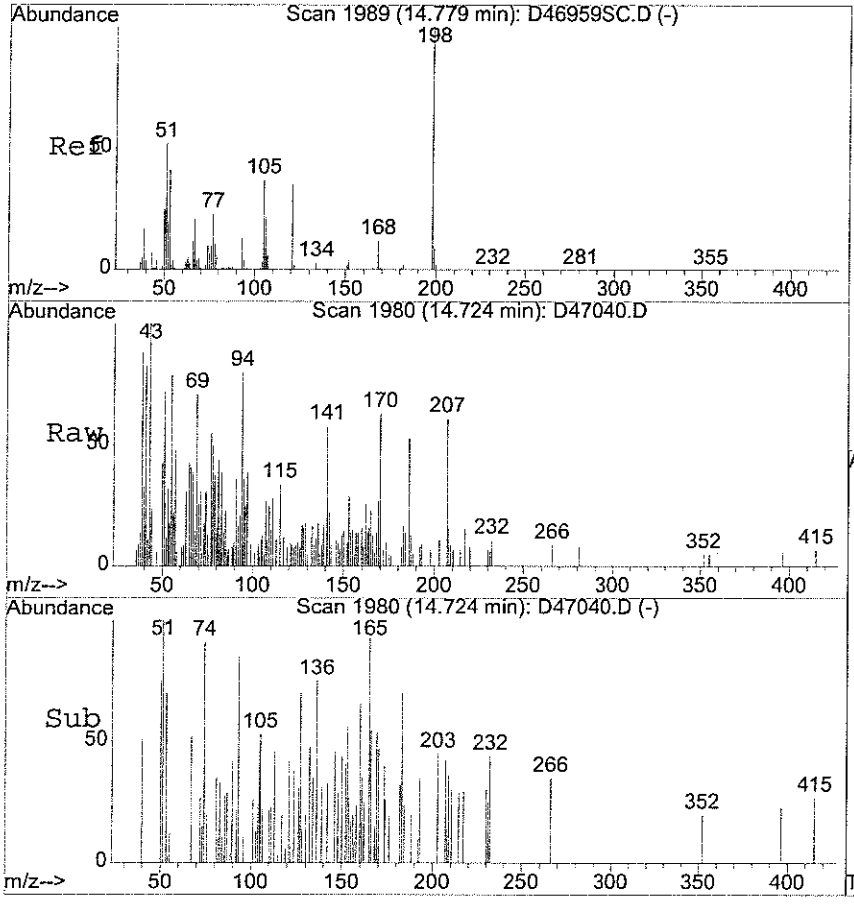


#47
2,4-dinitrophenol
Concen: 5.97 ug/ml
RT: 13.38 min Scan# 1779
Delta R.T. -0.00 min
Lab File: D47040.D
Acq: 25 Apr 2006 3:03 am

Tgt Ion:184 Resp: 79

Ion	Ratio	Lower	Upper
184	100		
154	948.1	29.8	44.6#

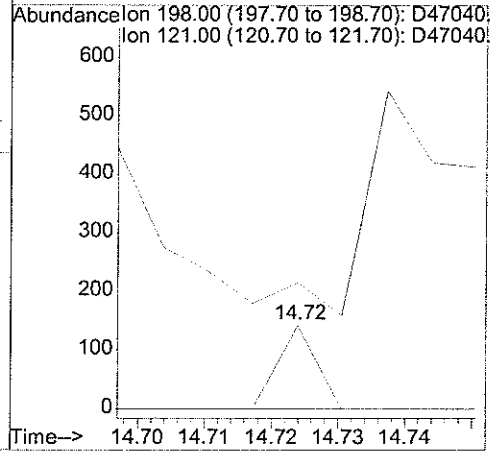


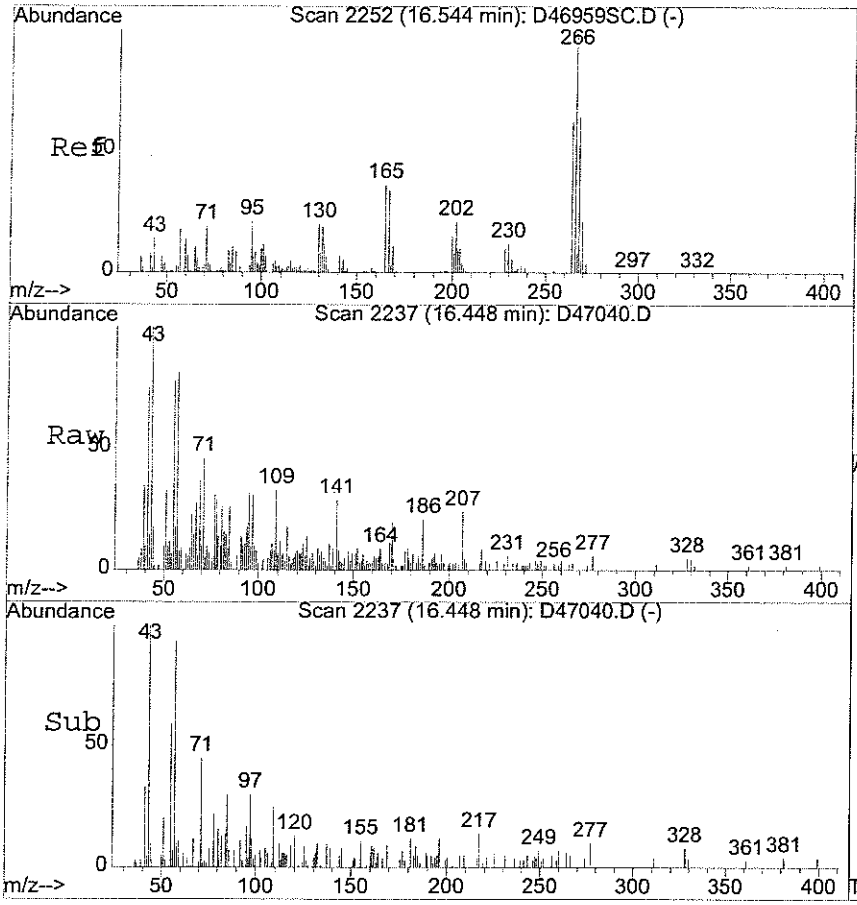


#56
4,6-Dinitro-2-methylphenol
Concen: 4.20 ug/ml
RT: 14.72 min Scan# 1980
Delta R.T. 0.00 min
Lab File: D47040.D
Acq: 25 Apr 2006 3:03 am

Tgt Ion:198 Resp: 57

Ion	Ratio	Lower	Upper
198	100		
121	664.9	26.9	40.3#

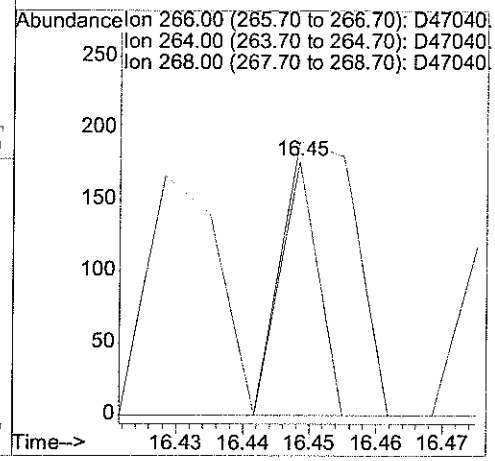


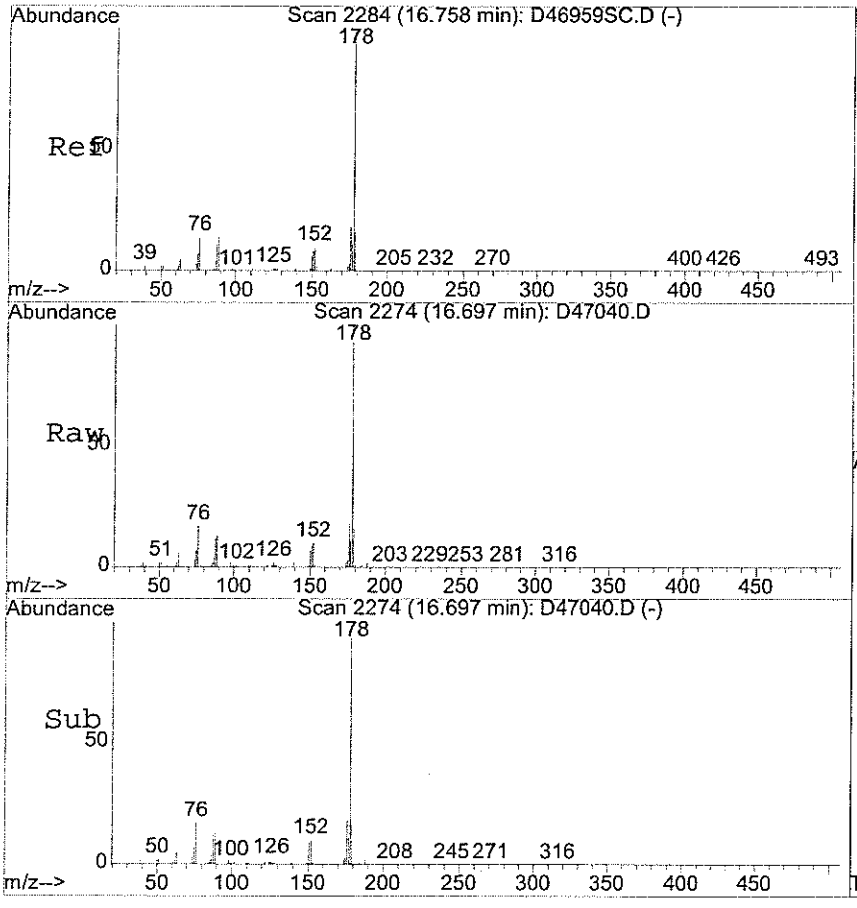


#64
Pentachlorophenol
Concen: 6.17 ug/ml
RT: 16.45 min Scan# 2237
Delta R.T. -0.02 min
Lab File: D47040.D
Acq: 25 Apr 2006 3:03 am

Tgt Ion:266 Resp: 71

Ion	Ratio	Lower	Upper
266	100		
264	211.3	50.0	75.0#
268	0.0	50.6	75.8#

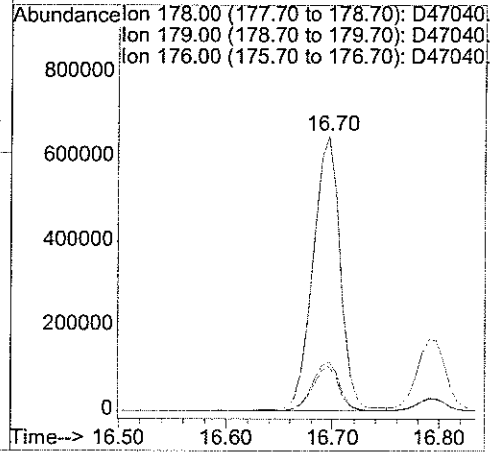


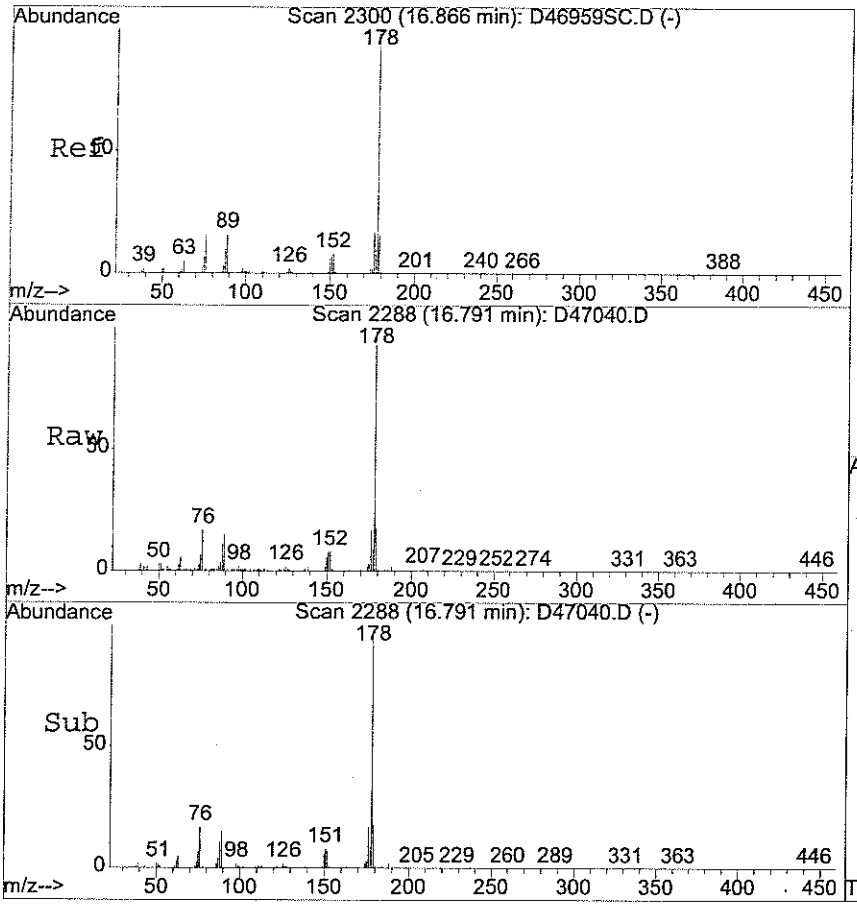


#65
Phenanthrene
Concen: 23.07 ug/ml
RT: 16.70 min Scan# 2274
Delta R.T. 0.00 min
Lab File: D47040.D
Acq: 25 Apr 2006 3:03 am

Tgt Ion:178 Resp: 1174487

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.5	18.7
176	17.6	14.5	21.7

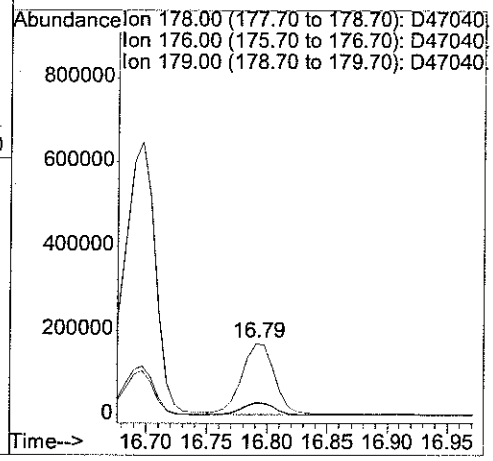


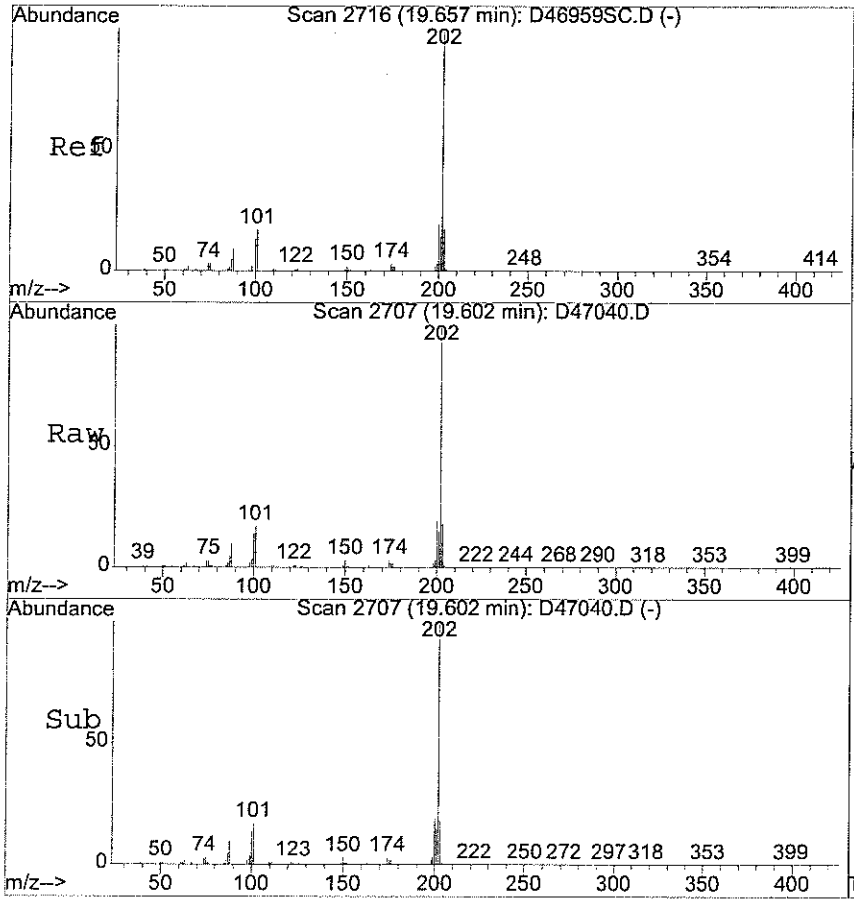


#66
Anthracene
Concen: 6.29 ug/ml
RT: 16.79 min Scan# 2288
Delta R.T. -0.01 min
Lab File: D47040.D
Acq: 25 Apr 2006 3:03 am

Tgt Ion:178 Resp: 322907

Ion	Ratio	Lower	Upper
178	100		
176	17.2	13.5	20.3
179	18.1	12.2	18.4

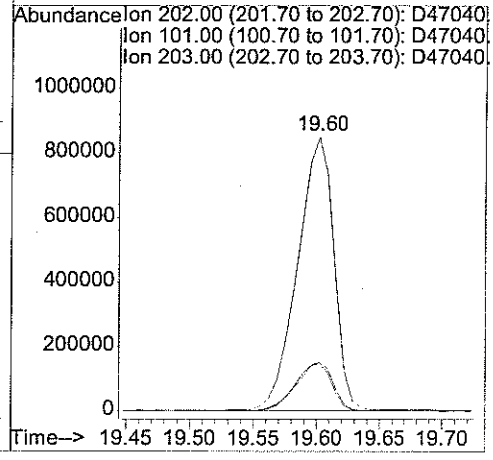


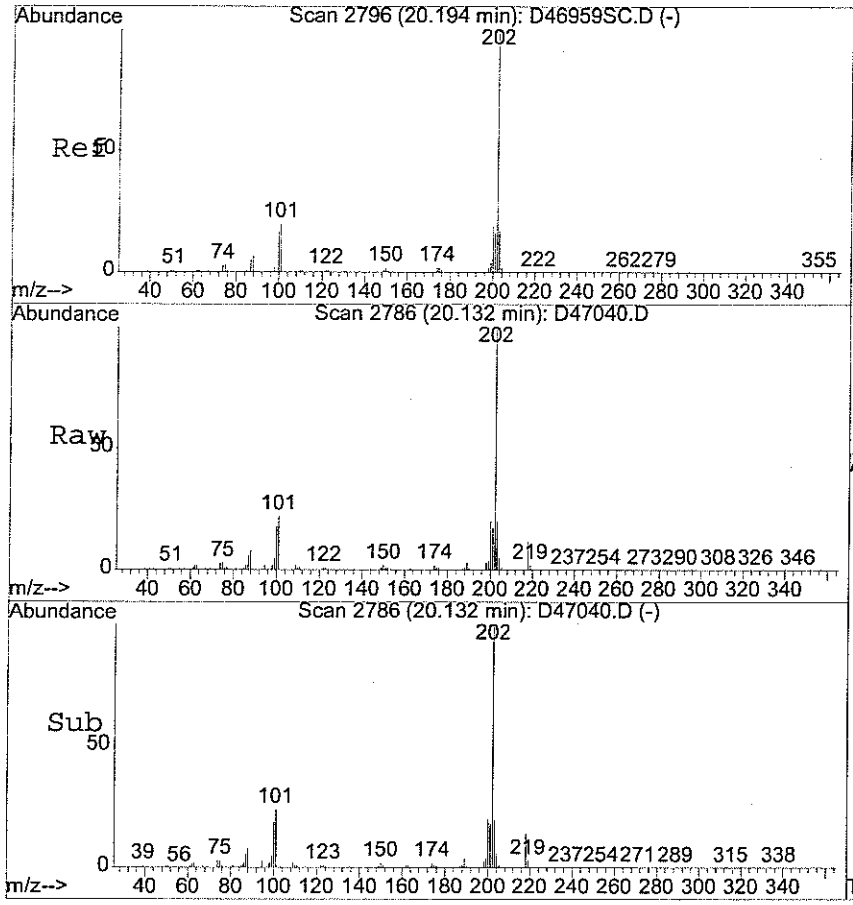


#69
Fluoranthene
Concen: 33.32 ug/ml
RT: 19.60 min Scan# 2707
Delta R.T. 0.01 min
Lab File: D47040.D
Acq: 25 Apr 2006 3:03 am

Tgt Ion:202 Resp: 1711281

Ion	Ratio	Lower	Upper
202	100		
101	17.7	15.3	22.9
203	17.9	14.1	21.1

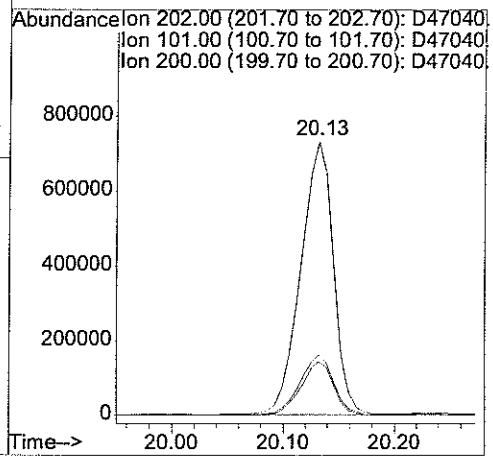


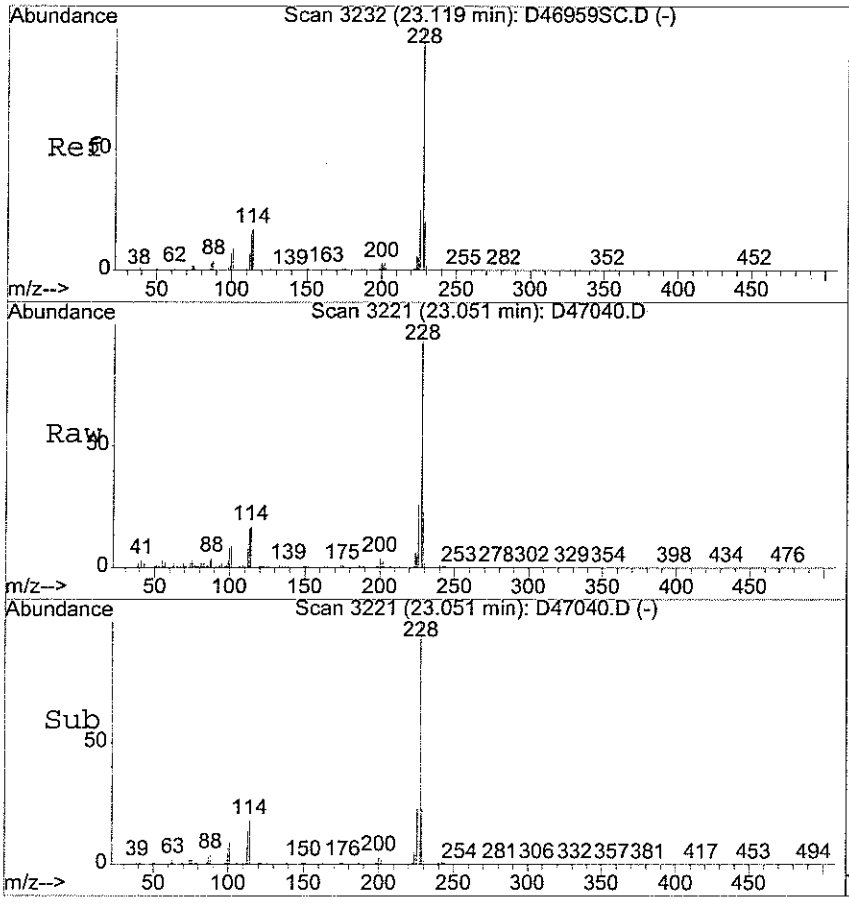


#72
Pyrene
Concen: 25.78 ug/ml
RT: 20.13 min Scan# 2786
Delta R.T. 0.01 min
Lab File: D47040.D
Acq: 25 Apr 2006 3:03 am

Tgt Ion:202 Resp: 1503942

Ion	Ratio	Lower	Upper
202	100		
101	22.7	17.7	26.5
200	19.6	15.6	23.4

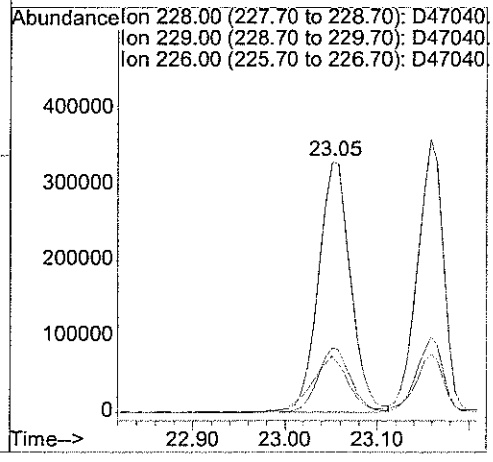


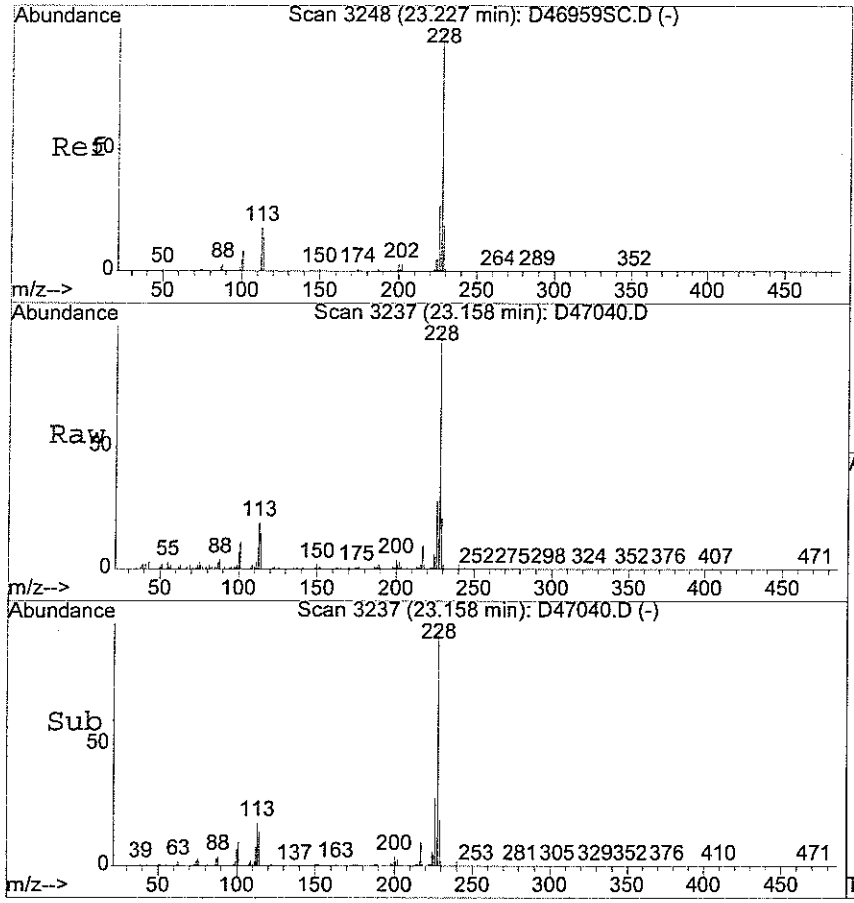


#75
Benzo[a]anthracene
Concen: 14.50 ug/ml
RT: 23.05 min Scan# 3221
Delta R.T. 0.00 min
Lab File: D47040.D
Acq: 25 Apr 2006 3:03 am

Tgt Ion:228 Resp: 803692

Ion	Ratio	Lower	Upper
228	100		
229	25.1	15.8	23.6#
226	25.8	20.6	30.8

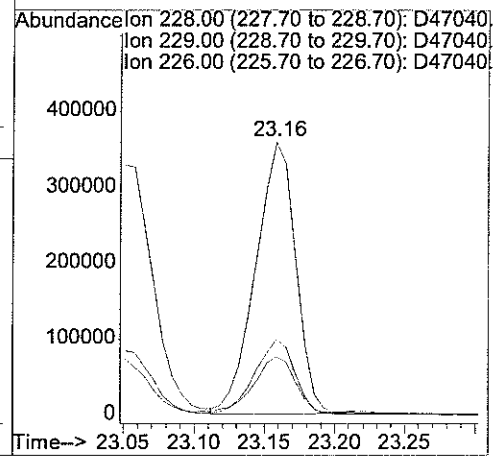


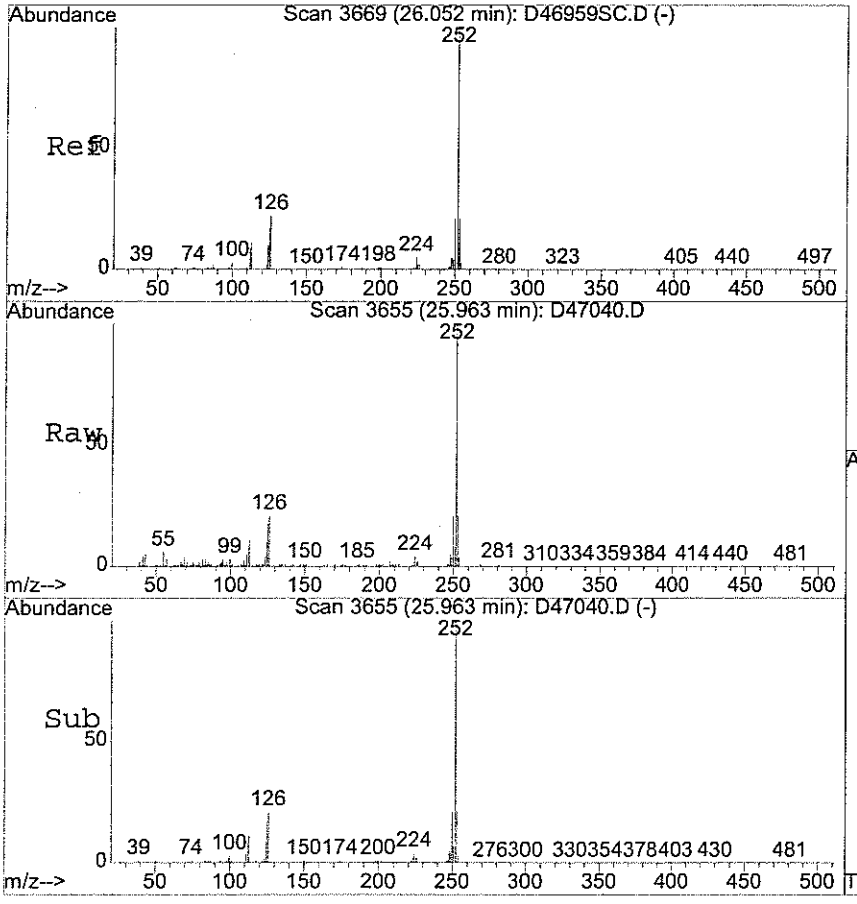


#76
Chrysene
Concen: 13.03 ug/ml
RT: 23.16 min Scan# 3237
Delta R.T. -0.00 min
Lab File: D47040.D
Acq: 25 Apr 2006 3:03 am

Tgt Ion:228 Resp: 711469

Ion	Ratio	Lower	Upper
228	100		
229	22.3	15.8	23.6
226	27.6	22.1	33.1

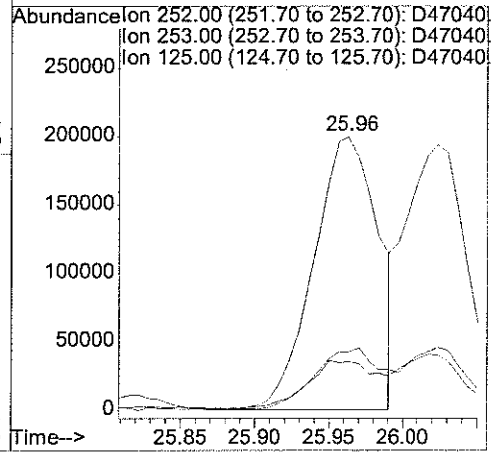


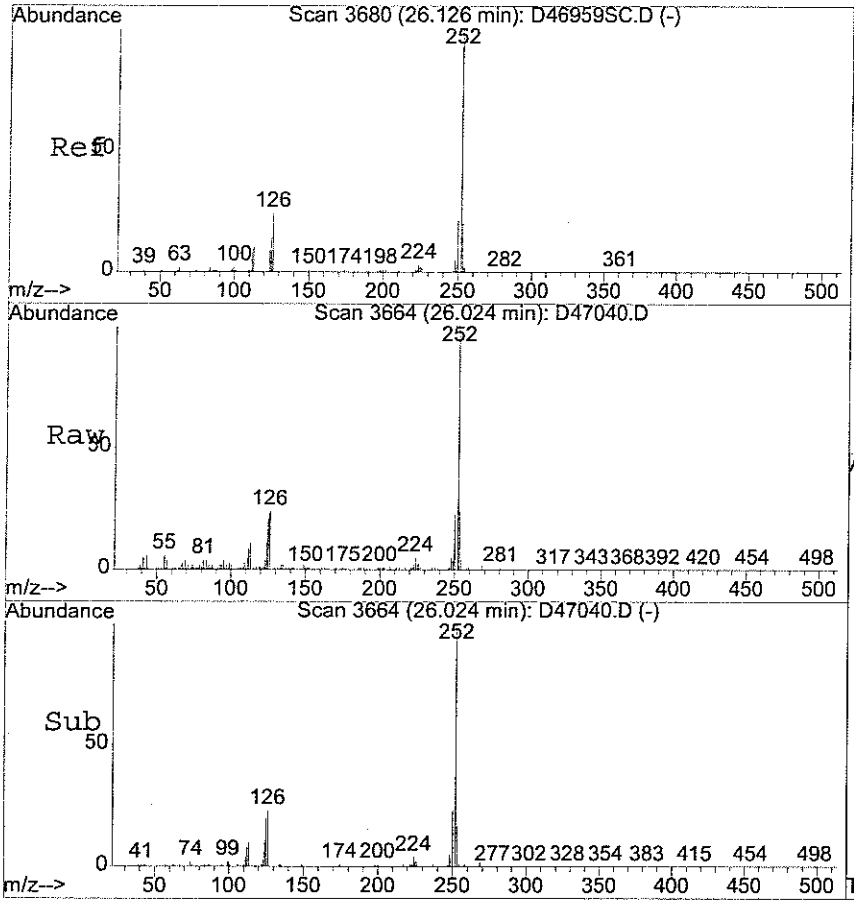


#81
Benzo[b] fluoranthene
Concen: 13.66 ug/ml
RT: 25.96 min Scan# 3655
Delta R.T. 0.00 min
Lab File: D47040.D
Acq: 25 Apr 2006 3:03 am

Tgt Ion:252 Resp: 602808

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.4	26.2
125	18.8	14.7	22.1

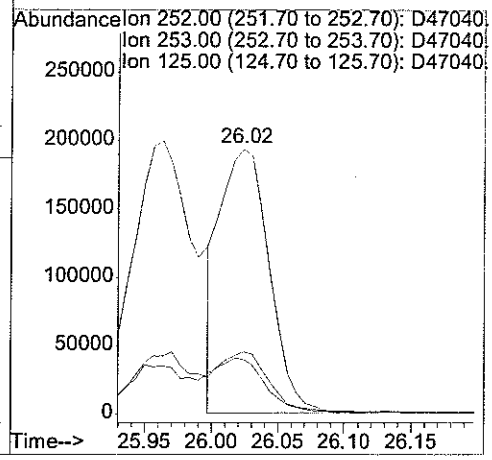


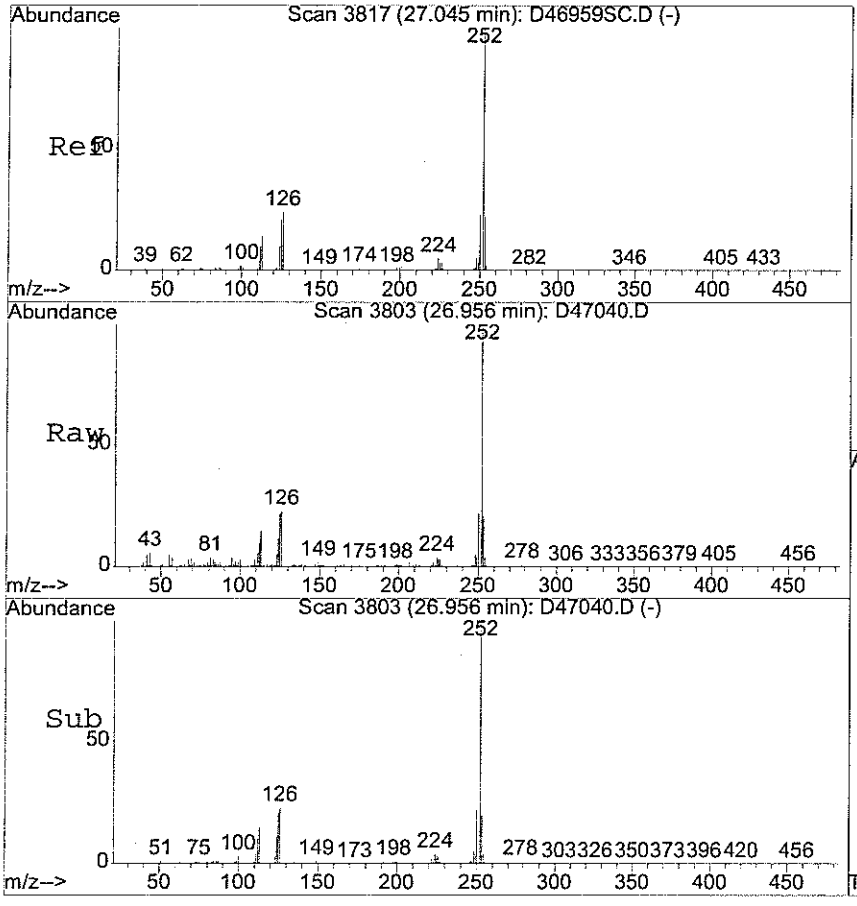


#82
Benzo[k] fluoranthene
Concen: 12.00 ug/ml
RT: 26.02 min Scan# 3664
Delta R.T. -0.01 min
Lab File: D47040.D
Acq: 25 Apr 2006 3:03 am

Tgt Ion:252 Resp: 502086

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.6	26.4
125	21.5	14.8	22.2

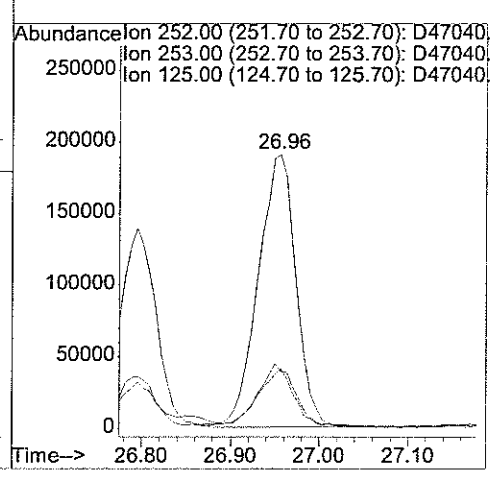


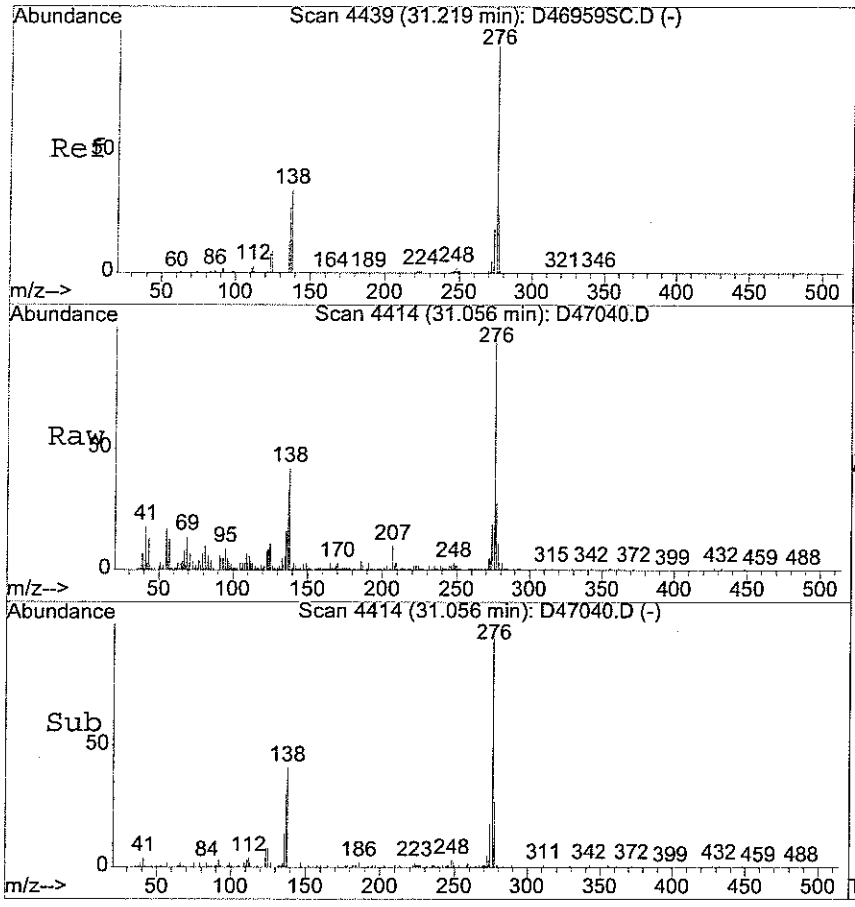


#83
Benzo[a] pyrene
Concen: 13.65 ug/ml
RT: 26.96 min Scan# 3803
Delta R.T. 0.00 min
Lab File: D47040.D
Acq: 25 Apr 2006 3:03 am

Tgt Ion:252 Resp: 565313

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	20.5	16.2	24.4

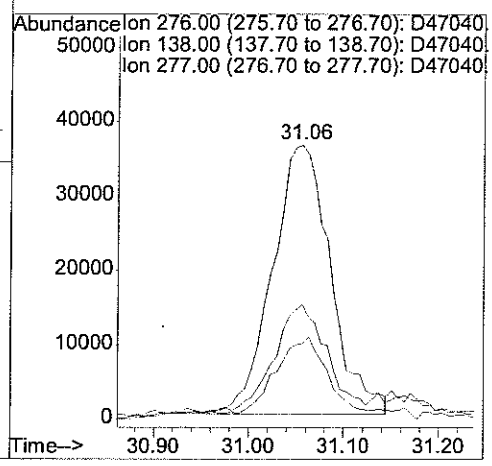




#84
Indeno [1,2,3-cd] pyrene
Concen: 3.83 ug/ml
RT: 31.06 min Scan# 4414
Delta R.T. -0.03 min
Lab File: D47040.D
Acq: 25 Apr 2006 3:03 am

Tgt Ion:276 Resp: 154472

Ion	Ratio	Lower	Upper
276	100		
138	35.7	28.7	43.1
277	24.3	19.3	28.9



analytics environmental laboratory LLC

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

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100

April 25, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number:

Field Sample ID: NSB-NLON-SITE7-CS-SL-EXS-SWN-9

SAMPLE DATA

Lab Sample ID:	56323-5
Matrix:	Solid
Percent Solid:	93
Dilution Factor:	1.1
Collection Date:	04/19/06
Lab Receipt Date:	04/21/06
Extraction Date:	04/24/06
Analysis Date:	04/25/06

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	260	U
Acenaphthylene	260	U
Acenaphthene	260	U
Fluorene	260	U
Phenanthrene	260	**216 J**
Anthracene	260	U
Fluoranthene	260	**338**
Pyrene	260	**265**
Benzo[a]anthracene	260	**164 J**
Chrysene	260	**180 J**
Benzo[b] fluoranthene	260	**176 J**
Benzo[k] fluoranthene	260	**148 J**
Benzo[a] pyrene	260	**138 J**
Dibenz [a,h] anthracene	260	U
Benzo(g,h,i) perylene	260	U
Indeno [1,2,3-cd] pyrene	260	U
2-Methylnaphthalene	260	U

Surrogate Standard Recovery

d5-nitrobenzene	78 %	2-Fluorobiphenyl	88 %	d14-p-terphenyl	74 %

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature Melissa Hall

PAH Report

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042406-D\D47041.D
Acq On : 25 Apr 2006 3:36 am
Sample : 56323-5
Misc : SOIL
MS Integration Params: RTEINT.P
Quant Time: Apr 25 8:34 2006

Vial: 11
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 24 23:13:39 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4.25.06

DF = 1.1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.85	152	681035	40.00 ug/ml	0.02
19) d8-Naphthalene	8.78	136	2509038	40.00 ug/ml	0.00
35) d10-Acenaphthene	13.07	164	1183925	40.00 ug/ml	0.00
61) d10-Phenanthrene	16.64	188	2009715	40.00 ug/ml	0.00
71) d12-Chrysene	23.12	240	2098015	40.00 ug/ml	0.00
79) d12-Perylene	27.20	264	1077011	40.00 ug/ml	0.03

System Monitoring Compounds

4) 2-Fluorophenol	3.58	112	1228438	55.94 ug/ml	0.00
Spiked Amount 75.000	Range 29 - 97		Recovery =	74.59%	
5) d5-Phenol	5.50	99	1765488	64.69 ug/ml	0.00
Spiked Amount 75.000	Range 40 - 120		Recovery =	86.25%	
20) d5-nitrobenzene	7.17	82	1115131	38.79 ug/ml	0.00
Spiked Amount 50.000	Range 20 - 101		Recovery =	77.58%	
39) 2-Fluorobiphenyl	11.47	172	1623711	43.95 ug/ml	0.00
Spiked Amount 50.000	Range 34 - 102		Recovery =	87.90%	
60) 2,4,6-Tribromophenol	15.07	330	488033	76.50 ug/ml	0.00
Spiked Amount 75.000	Range 36 - 141		Recovery =	102.00%	
73) d14-p-terphenyl	20.61	244	1626797	37.07 ug/ml	0.00
Spiked Amount 50.000	Range 38 - 108		Recovery =	74.14%	

Target Compounds					Qvalue
47) 2,4-dinitrophenol	13.40	184	204	~~5.99~~ ug/ml#	1
56) 4,6-Dinitro-2-methylphenol	14.71	198	178	~~4.21~~ ug/ml#	1
64) Pentachlorophenol	16.45	266	93	~~6.17~~ ug/ml#	1
65) Phenanthrene	16.69	178	329089	6.16 ug/ml	99
69) Fluoranthene	19.59	202	518601	9.62 ug/ml	97
70) Benzidine	20.04	184	716	~~Below~~ Cal #	1
72) Pyrene	20.12	202	469507	7.54 ug/ml	98
75) Benzo[a]anthracene	23.06	228	275758	4.66 ug/ml#	90
76) Chrysene	23.16	228	299199	5.13 ug/ml	99
81) Benzo[b] fluoranthene	25.98	252	153335	5.02 ug/ml#	88
82) Benzo[k] fluoranthene	26.04	252	121859	4.20 ug/ml#	92
83) Benzo[a] pyrene	26.98	252	112971	3.94 ug/ml#	88

(B)

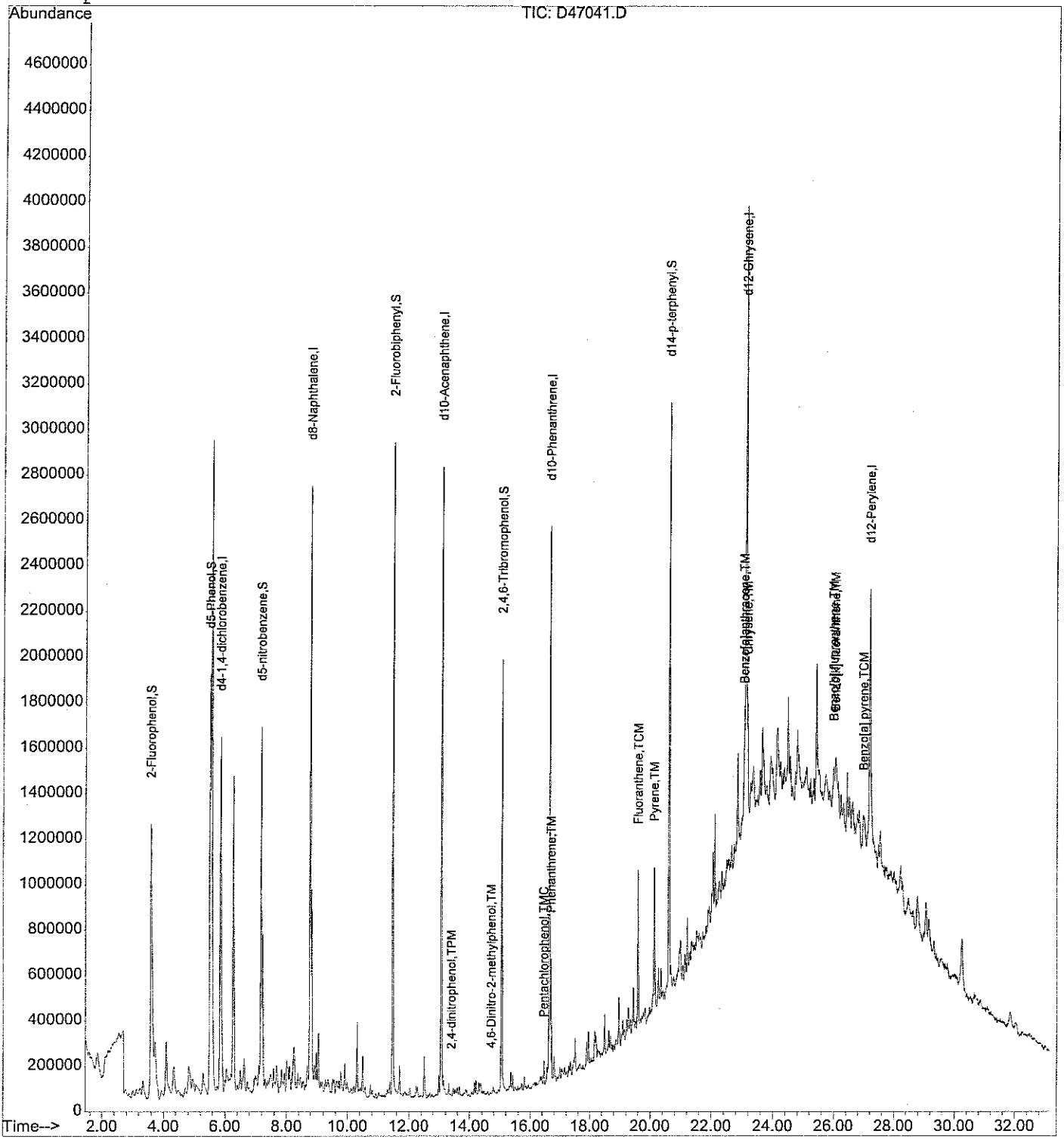
D42506

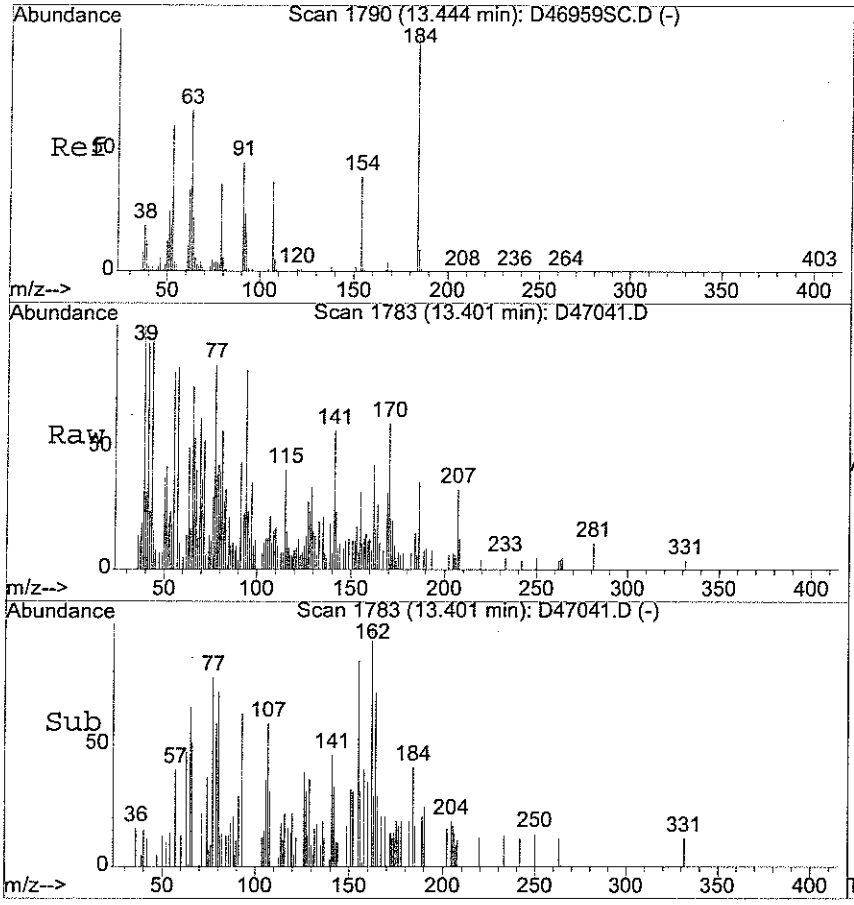
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042406-D\D47041.D Vial: 11
Acq On : 25 Apr 2006 3:36 am Operator:
Sample : 56323-5 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 25 8:34 2006 Quant Results File: S04036.RES

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 24 23:13:39 2006
Response via : Initial Calibration

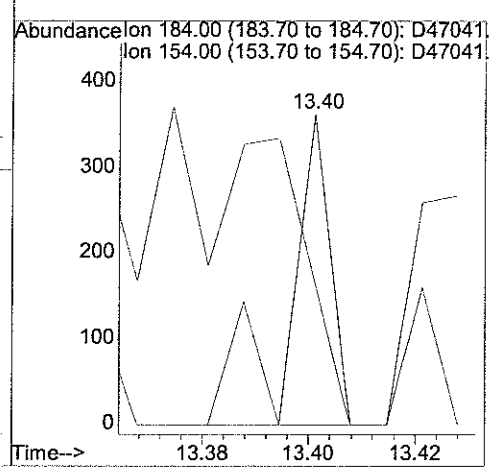


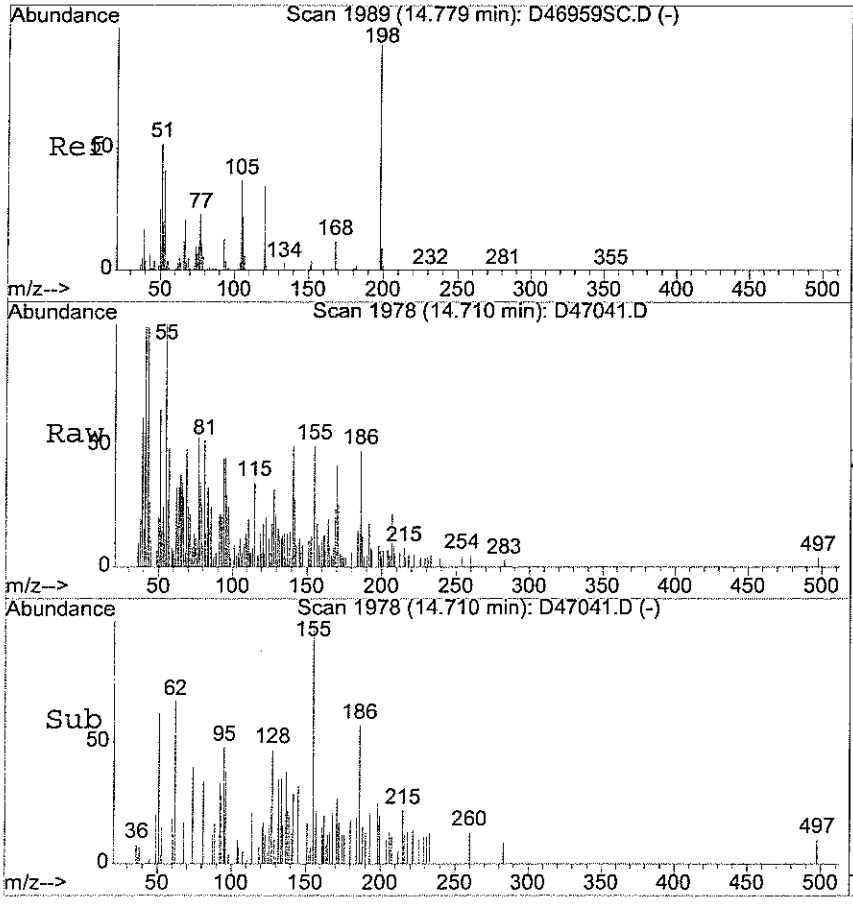


#47
2,4-dinitrophenol
Concen: 5.99 ug/ml
RT: 13.40 min Scan# 1783
Delta R.T. 0.02 min
Lab File: D47041.D
Acq: 25 Apr 2006 3:36 am

Tgt Ion:184 Resp: 204

Ion	Ratio	Lower	Upper
184	100		
154	207.8	29.8	44.6#

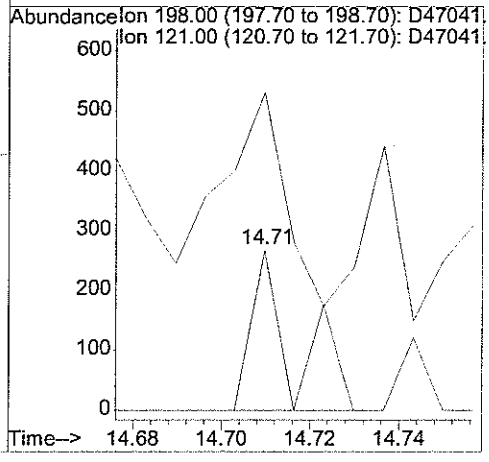


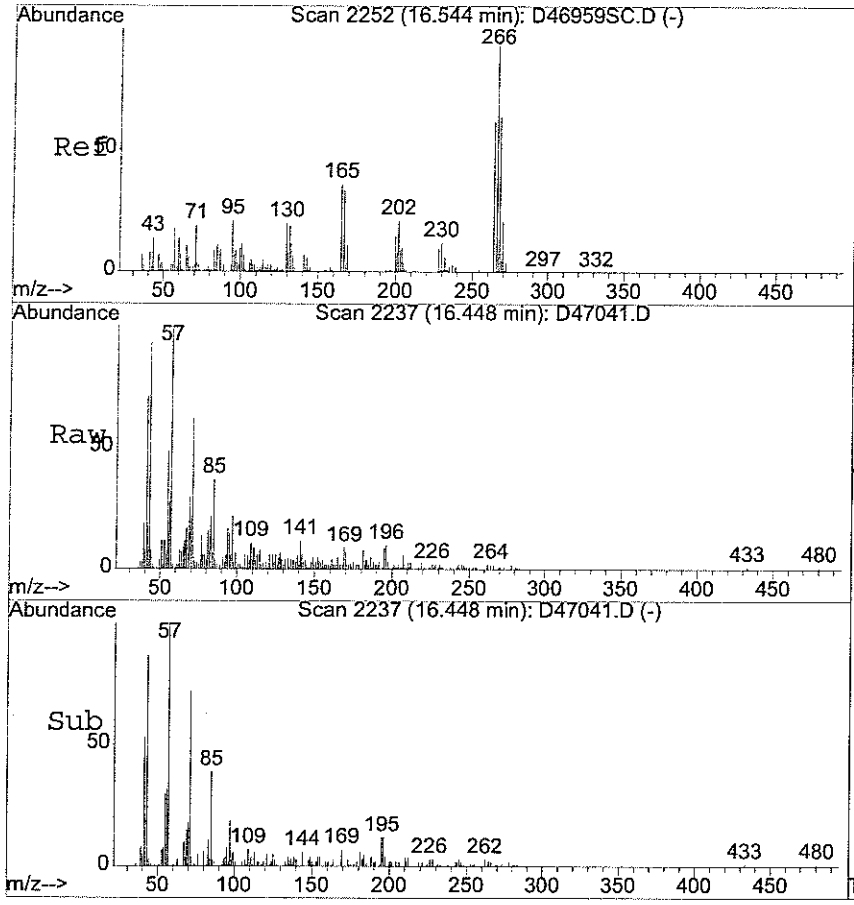


#56
4,6-Dinitro-2-methylphenol
Concen: 4.21 ug/ml
RT: 14.71 min Scan# 1978
Delta R.T. -0.01 min
Lab File: D47041.D
Acq: 25 Apr 2006 3:36 am

Tgt Ion:198 Resp: 178

Ion	Ratio	Lower	Upper
198	100		
121	197.2	26.9	40.3#

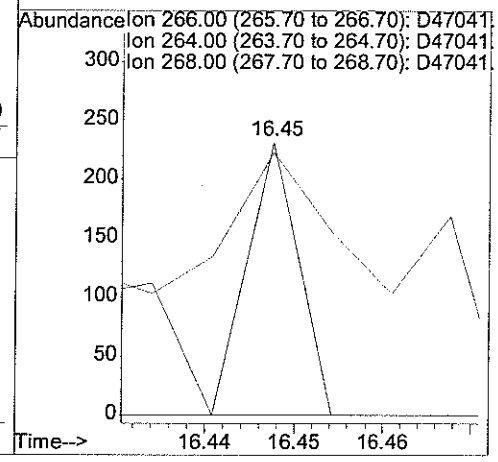


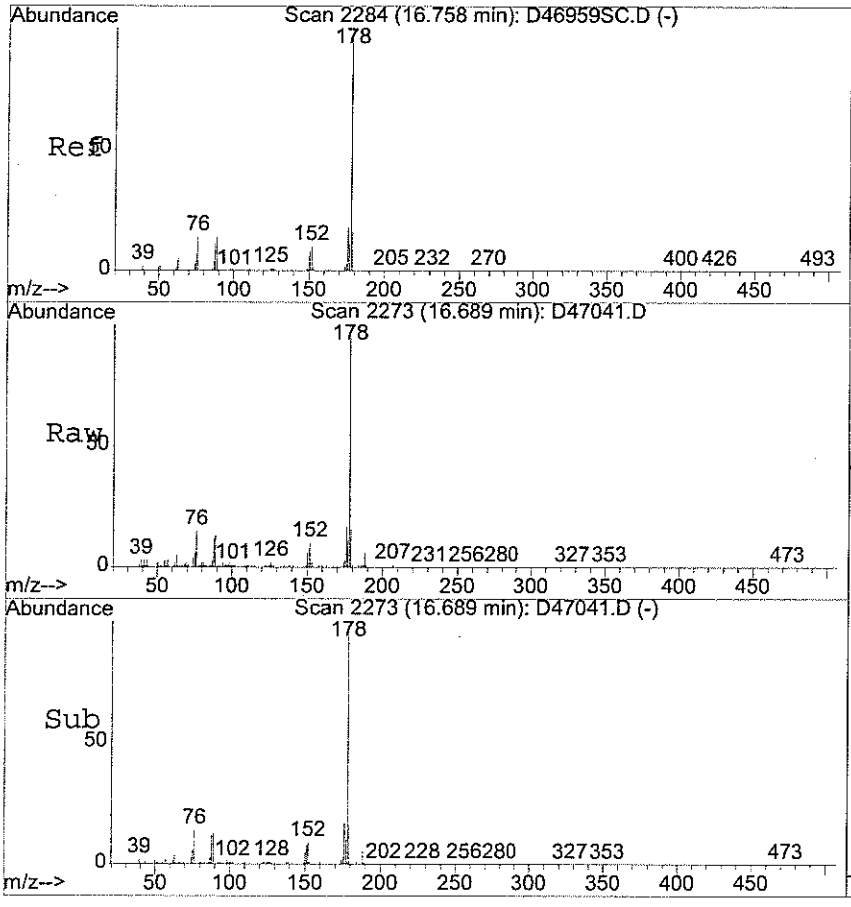


#64
Pentachlorophenol
Concen: 6.17 ug/ml
RT: 16.45 min Scan# 2237
Delta R.T. -0.02 min
Lab File: D47041.D
Acq: 25 Apr 2006 3:36 am

Tgt Ion:266 Resp: 93

Ion	Ratio	Lower	Upper
266	100		
264	339.8	50.0	75.0#
268	0.0	50.6	75.8#

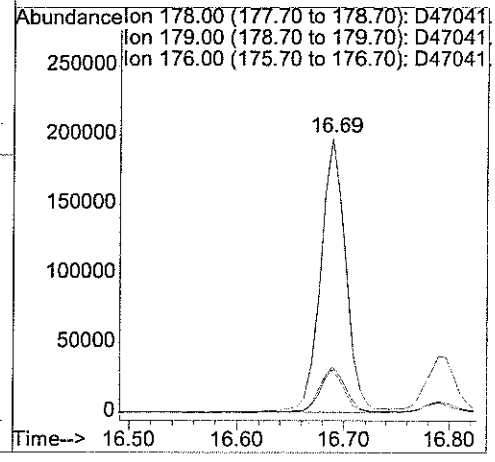


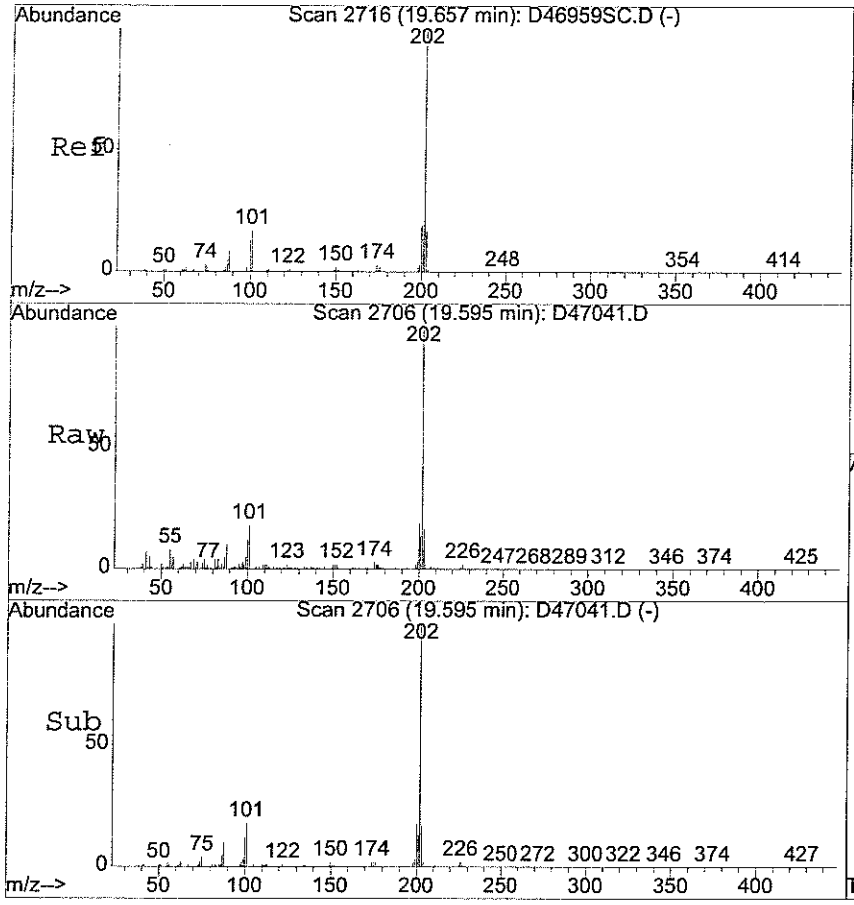


#65
Phenanthrene
Concen: 6.16 ug/ml
RT: 16.69 min Scan# 2273
Delta R.T. -0.00 min
Lab File: D47041.D
Acq: 25 Apr 2006 3:36 am

Tgt Ion:178 Resp: 329089

Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.5	18.7
176	17.4	14.5	21.7

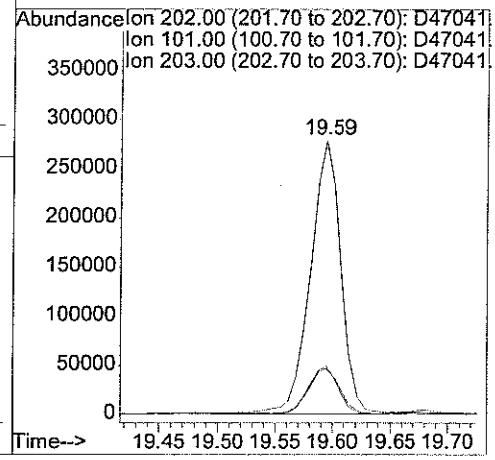


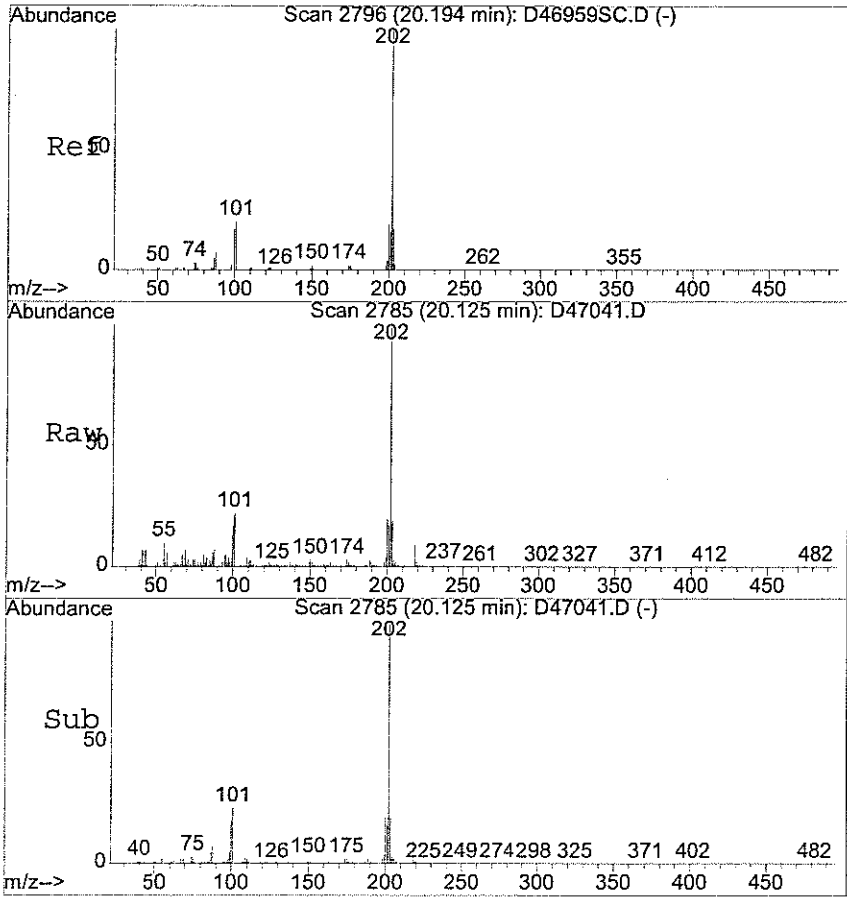


#69
Fluoranthene
Concen: 9.62 ug/ml
RT: 19.59 min Scan# 2706
Delta R.T. 0.00 min
Lab File: D47041.D
Acq: 25 Apr 2006 3:36 am

Tgt Ion:202 Resp: 518601

Ion	Ratio	Lower	Upper
202	100		
101	17.4	15.3	22.9
203	16.8	14.1	21.1

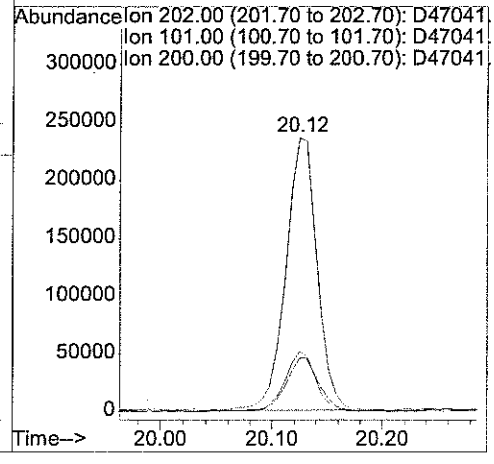


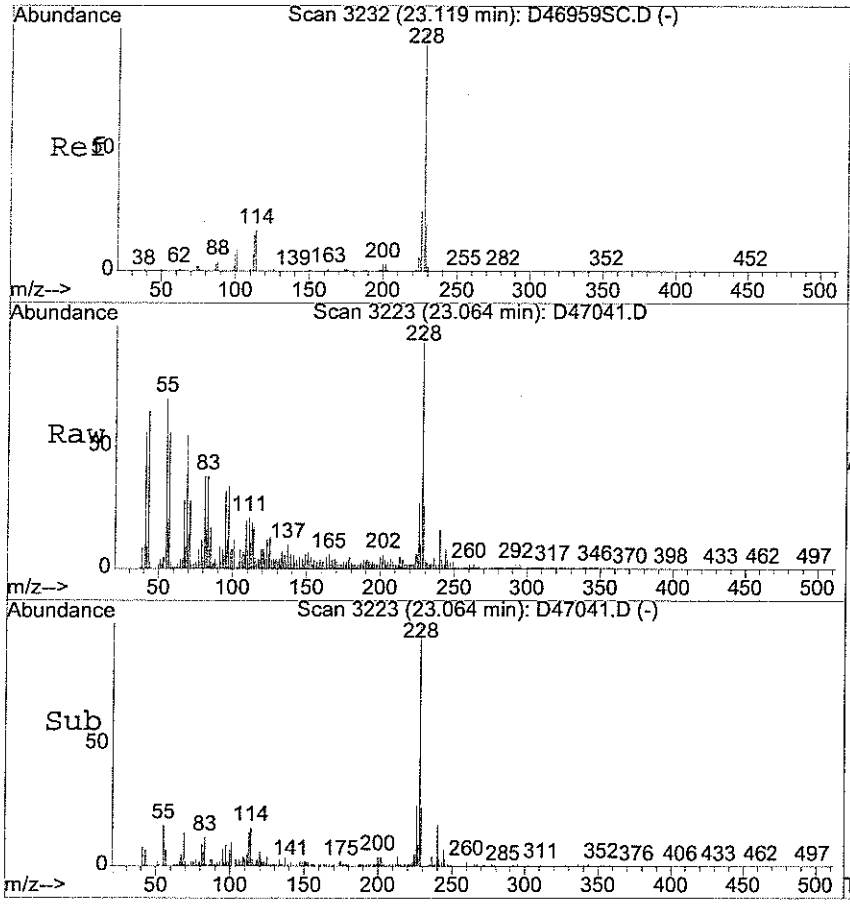


#72
Pyrene
Concen: 7.54 ug/ml
RT: 20.12 min Scan# 2785
Delta R.T. 0.00 min
Lab File: D47041.D
Acq: 25 Apr 2006 3:36 am

Tgt Ion:202 Resp: 469507

Ion	Ratio	Lower	Upper
202	100		
101	22.9	17.7	26.5
200	20.4	15.6	23.4

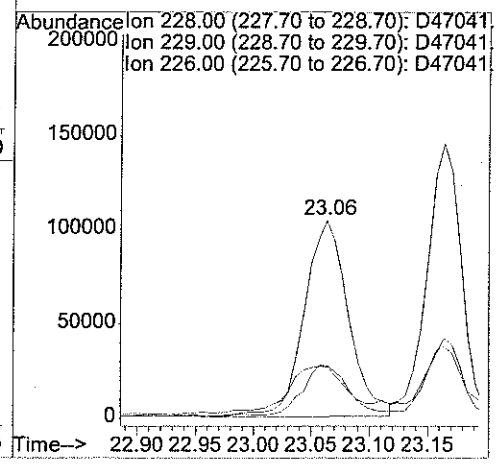


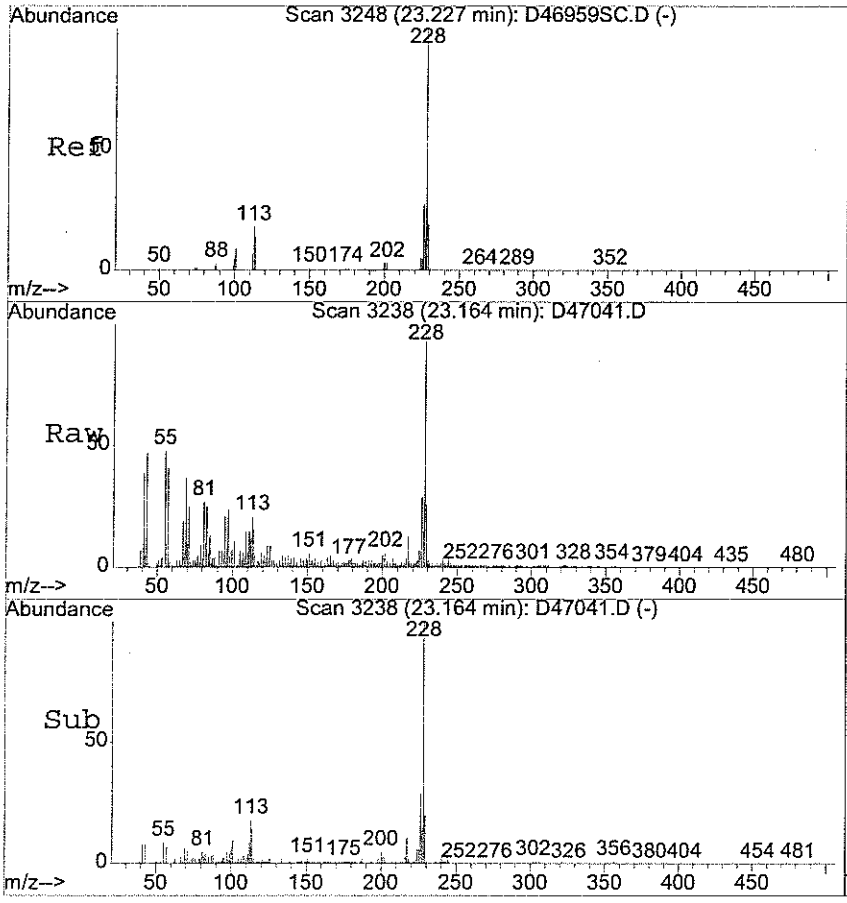


#75
Benzo[a]anthracene
Concen: 4.66 ug/ml
RT: 23.06 min Scan# 3223
Delta R.T. 0.02 min
Lab File: D47041.D
Acq: 25 Apr 2006 3:36 am

Tgt Ion:228 Resp: 275758

Ion	Ratio	Lower	Upper
228	100		
229	30.2	15.8	23.6#
226	26.1	20.6	30.8

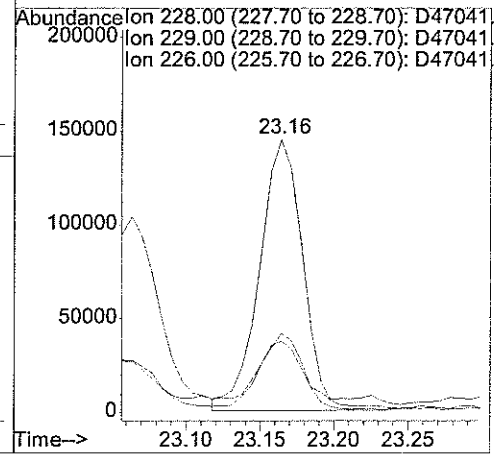


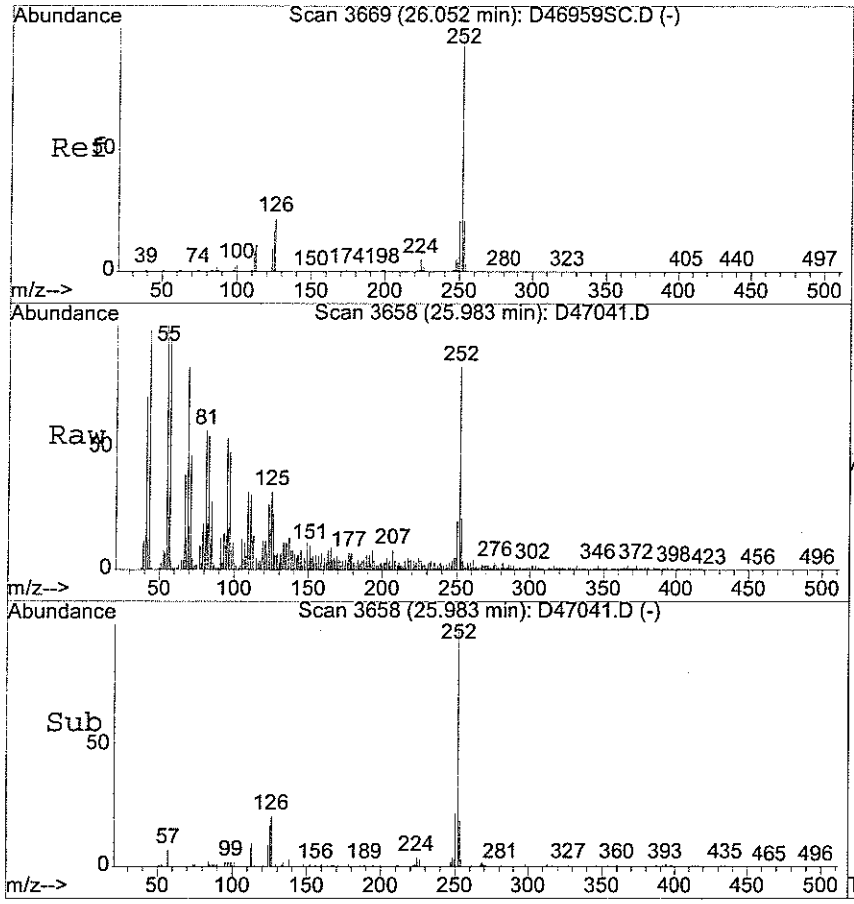


#76
Chrysene
Concen: 5.13 ug/ml
RT: 23.16 min Scan# 3238
Delta R.T. 0.00 min
Lab File: D47041.D
Acq: 25 Apr 2006 3:36 am

Tgt Ion:228 Resp: 299199

Ion	Ratio	Lower	Upper
228	100		
229	20.3	15.8	23.6
226	28.4	22.1	33.1

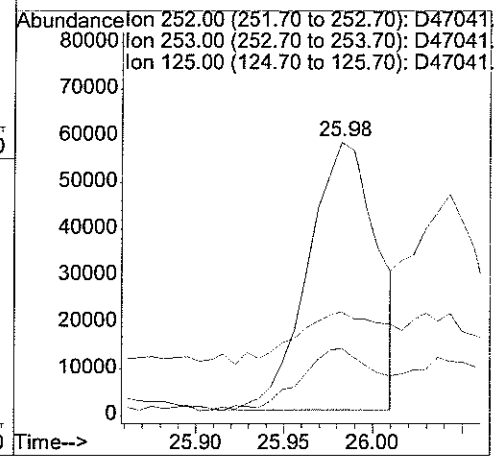


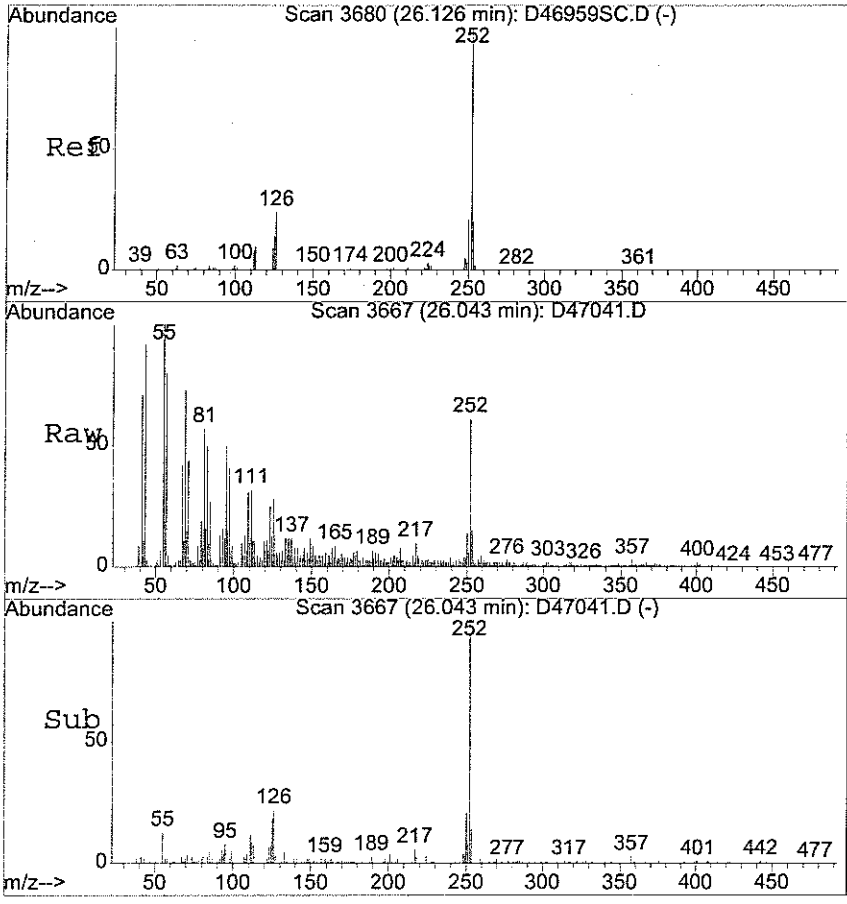


#81
Benzo[b] fluoranthene
Concen: 5.02 ug/ml
RT: 25.98 min Scan# 3658
Delta R.T. 0.02 min
Lab File: D47041.D
Acq: 25 Apr 2006 3:36 am

Tgt Ion:252 Resp: 153335

Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.4	26.2
125	26.4	14.7	22.1#

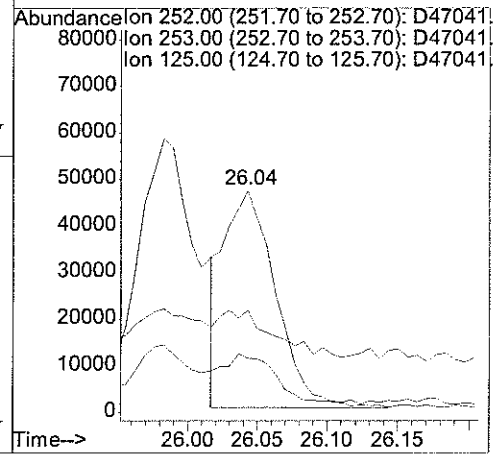


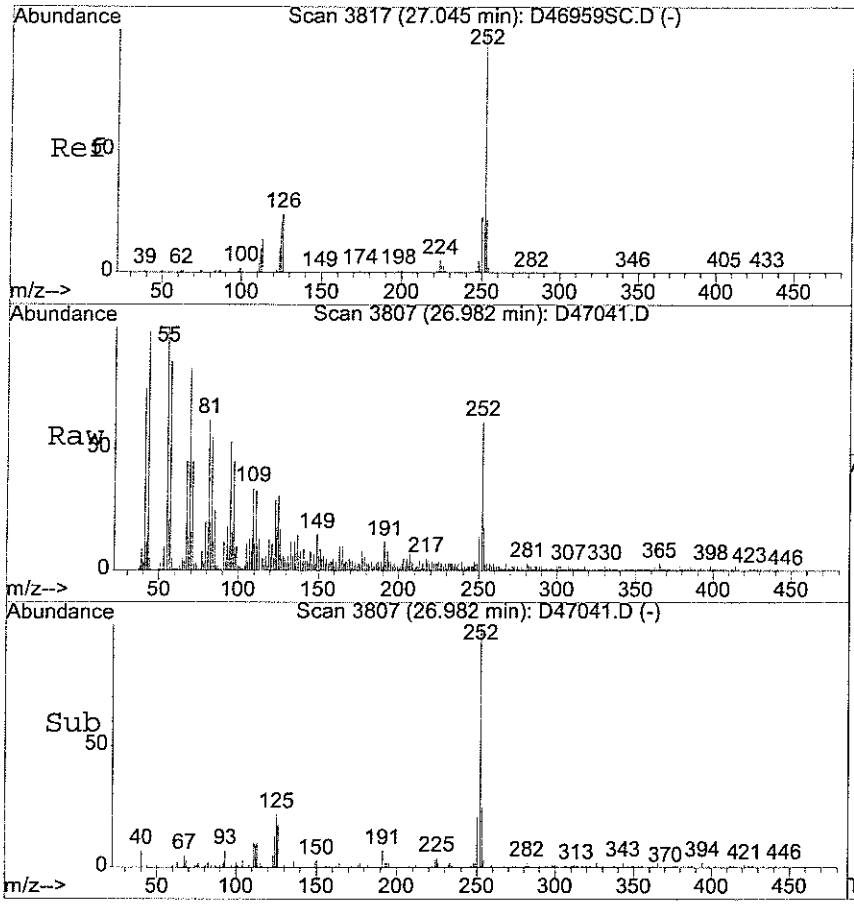


#82
Benzo[k] fluoranthene
Concen: 4.20 ug/ml
RT: 26.04 min Scan# 3667
Delta R.T. 0.01 min
Lab File: D47041.D
Acq: 25 Apr 2006 3:36 am

Tgt Ion:252 Resp: 121859

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	25.7	14.8	22.2#

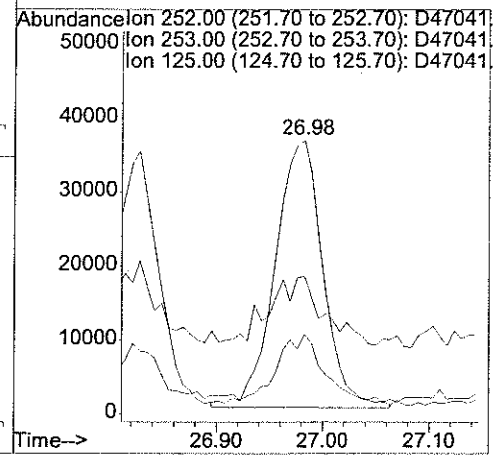




#83
Benzo[a] pyrene
Concen: 3.94 ug/ml
RT: 26.98 min Scan# 3807
Delta R.T. 0.03 min
Lab File: D47041.D
Acq: 25 Apr 2006 3:36 am

Tgt Ion:252 Resp: 112971

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.5	26.3
125	28.7	16.2	24.4#



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800-929-9906

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100

April 25, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number:

Field Sample ID: NSB-NLON-SITE7-CS-SL-EXS-SWN-10

SAMPLE DATA

Lab Sample ID: 56323-6
Matrix: Solid
Percent Solid: 92
Dilution Factor: 1.1
Collection Date: 04/19/06
Lab Receipt Date: 04/21/06
Extraction Date: 04/24/06
Analysis Date: 04/25/06

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	260	U
Acenaphthylene	260	U
Acenaphthene	260	U
Fluorene	260	U
Phenanthrene	260	U
Anthracene	260	U
Fluoranthene	260	U
Pyrene	260	U
Benzo[a]anthracene	260	U
Chrysene	260	U
Benzo[b] fluoranthene	260	U
Benzo[k] fluoranthene	260	U
Benzo[a] pyrene	260	U
Dibenz [a,h] anthracene	260	U
Benzo(g,h,i) perylene	260	U
Indeno [1,2,3-cd] pyrene	260	U
2-Methylnaphthalene	260	U

Surrogate Standard Recovery

d5-nitrobenzene	68 %	2-Fluorobiphenyl	79 %	d14-p-terphenyl	77 %

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature Melissa Tall

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042406-D\D47042.D Vial: 12
Acq On : 25 Apr 2006 4:10 am Operator:
Sample : 56323-6 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 25 8:34 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 24 23:13:39 2006
Response via : Initial Calibration
DataAcq Meth : ABN

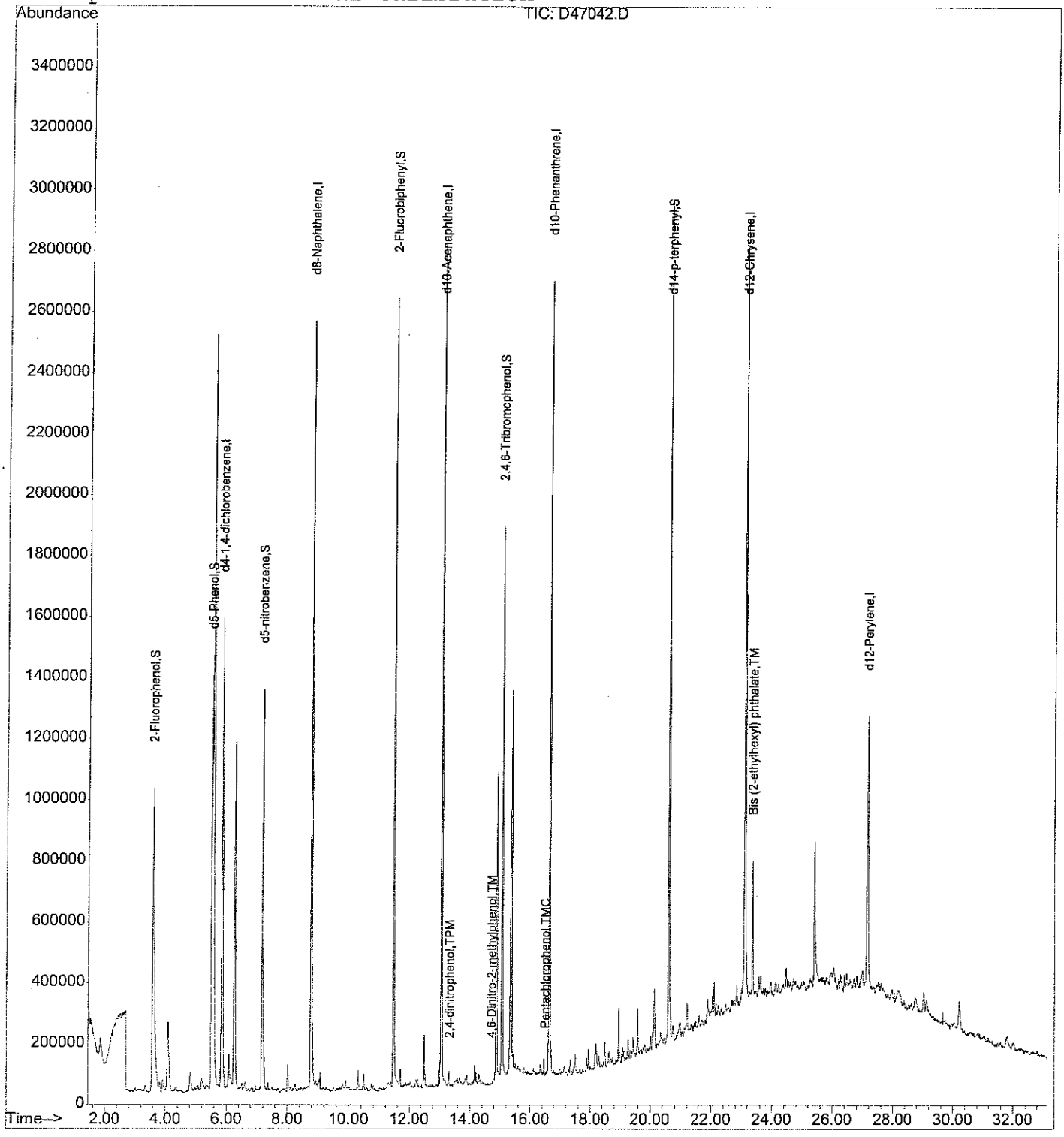
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.85	152	697948	40.00	ug/ml	0.02
19) d8-Naphthalene	8.78	136	2548470	40.00	ug/ml	0.01
35) d10-Acenaphthene	13.08	164	1232923	40.00	ug/ml	0.01
61) d10-Phenanthrene	16.64	188	2027620	40.00	ug/ml	0.00
71) d12-Chrysene	23.11	240	2052992	40.00	ug/ml	0.00
79) d12-Perylene	27.17	264	917163	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.59	112	1070447	47.57	ug/ml	0.02
Spiked Amount 75.000	Range 29 - 97		Recovery = 63.43%			
5) d5-Phenol	5.51	99	1581995	56.56	ug/ml	0.01
Spiked Amount 75.000	Range 40 - 120		Recovery = 75.41%			
20) d5-nitrobenzene	7.17	82	988308	33.85	ug/ml	0.00
Spiked Amount 50.000	Range 20 - 101		Recovery = 67.70%			
39) 2-Fluorobiphenyl	11.47	172	1513090	39.33	ug/ml	0.00
Spiked Amount 50.000	Range 34 - 102		Recovery = 78.66%			
60) 2,4,6-Tribromophenol	15.07	330	475784	71.61	ug/ml	0.01
Spiked Amount 75.000	Range 36 - 141		Recovery = 95.48%			
73) d14-p-terphenyl	20.61	244	1654215	38.52	ug/ml	0.00
Spiked Amount 50.000	Range 38 - 108		Recovery = 77.04%			
Target Compounds						Qvalue
~~47)~~ 2,4-dinitrophenol	13.34	184	412	~~6.02~~	ug/ml#	56
~~56)~~ 4,6-Dinitro-2-methylphenol	14.71	198	318	~~4.22~~	ug/ml#	1
~~64)~~ Pentachlorophenol	16.50	266	49	~~6.17~~	ug/ml#	1
~~70)~~ Benzidine	20.00	184	2342	~~Below Cal~~	#	10
M 78) Bis (2-ethylhexyl) phthala	23.36	149	199115	M 3.78	ug/ml	99

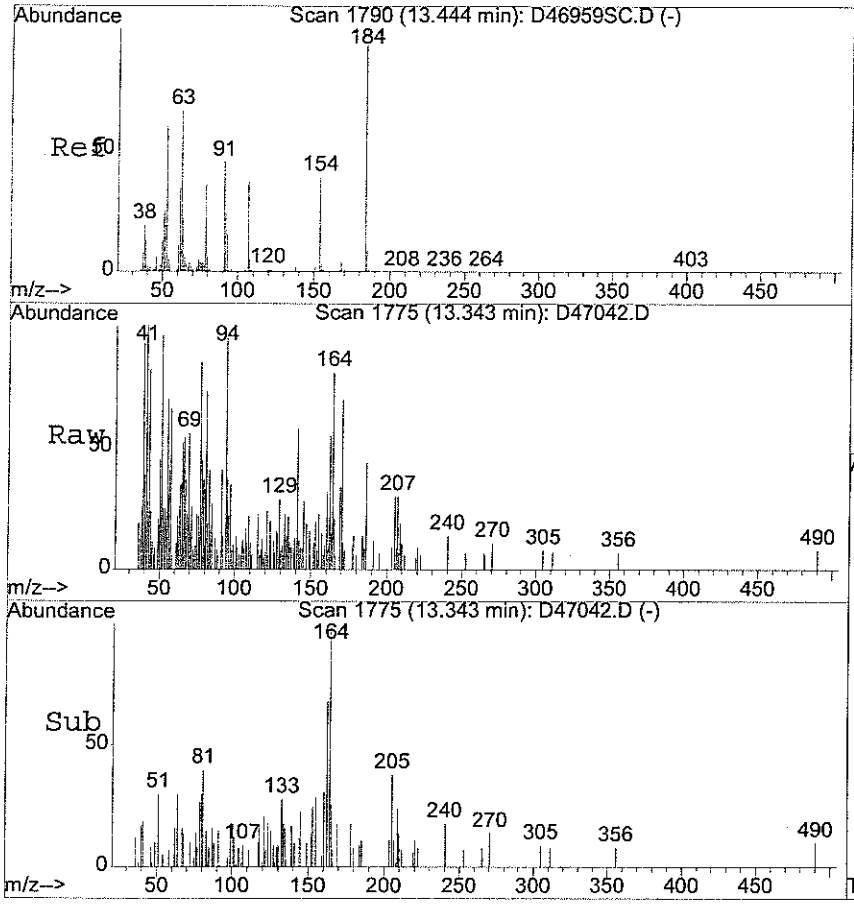
VJ 4-25-06

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042406-D\D47042.D Vial: 12
Acq On : 25 Apr 2006 4:10 am Operator:
Sample : 56323-6 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 25 8:34 2006 Quant Results File: S04036.RES

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 24 23:13:39 2006
Response via : Initial Calibration

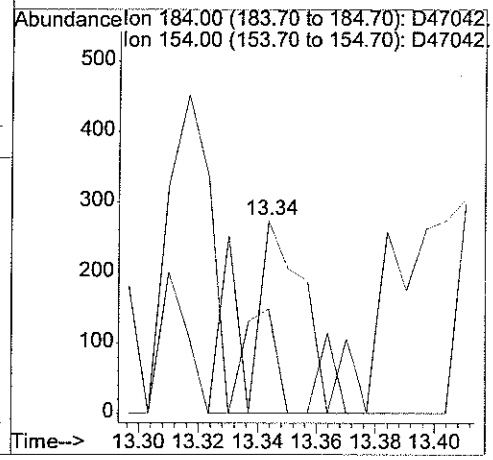


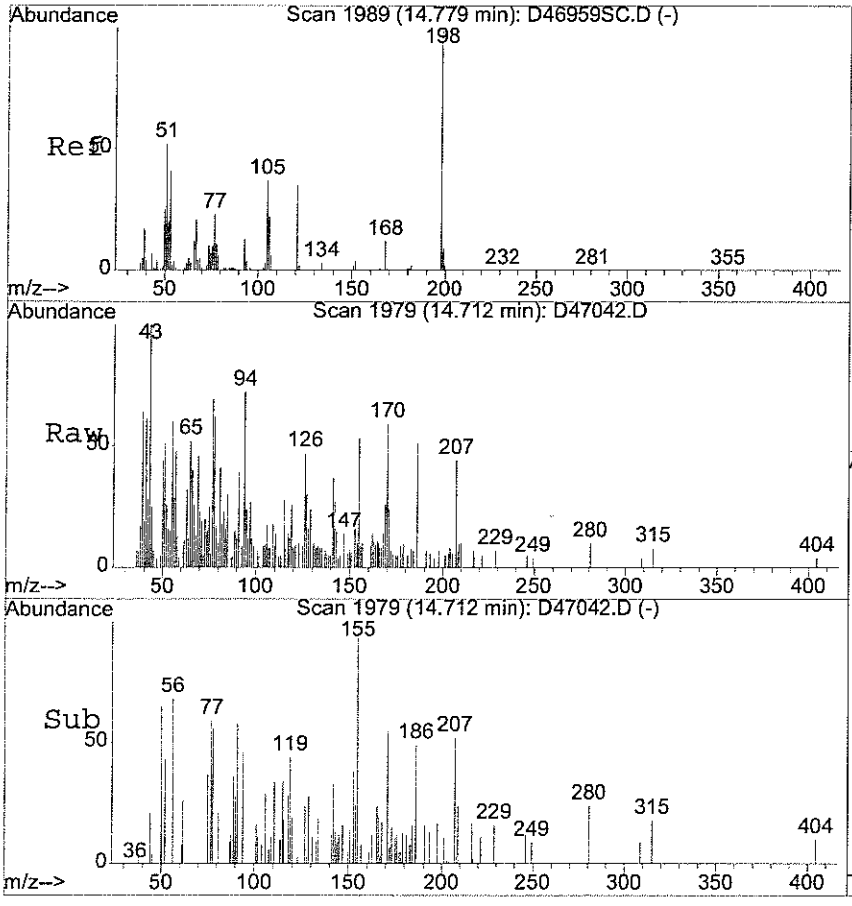


#47
2,4-dinitrophenol
Concen: 6.02 ug/ml
RT: 13.34 min Scan# 1775
Delta R.T. -0.04 min
Lab File: D47042.D
Acq: 25 Apr 2006 4:10 am

Tgt Ion:184 Resp: 412

Ion	Ratio	Lower	Upper
184	100		
154	11.2	29.8	44.6#

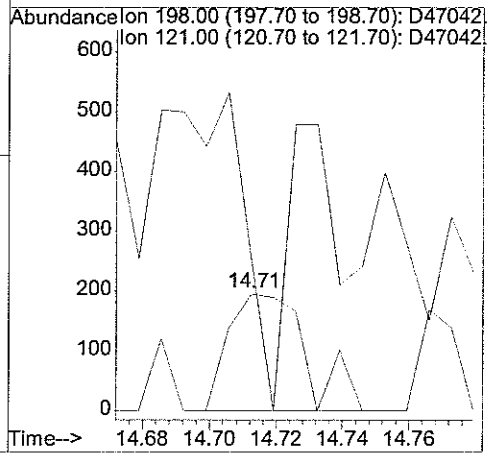


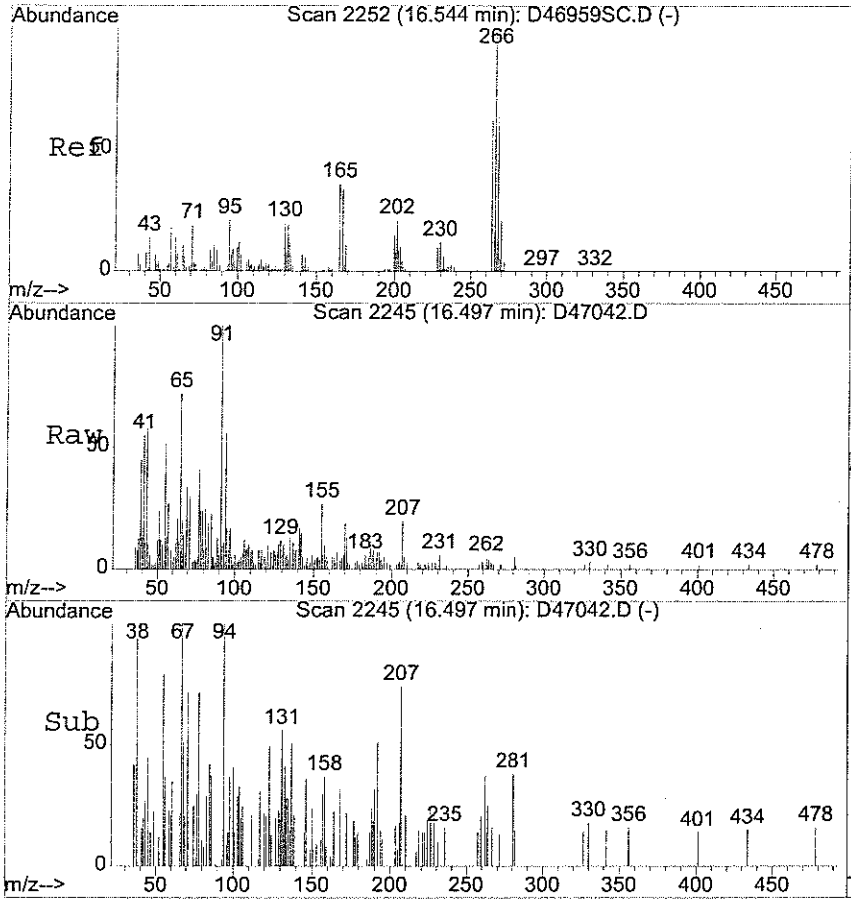


#56
4,6-Dinitro-2-methylphenol
Concen: 4.22 ug/ml
RT: 14.71 min Scan# 1979
Delta R.T. -0.01 min
Lab File: D47042.D
Acq: 25 Apr 2006 4:10 am

Tgt Ion:198 Resp: 318

Ion	Ratio	Lower	Upper
198	100		
121	282.4	26.9	40.3#

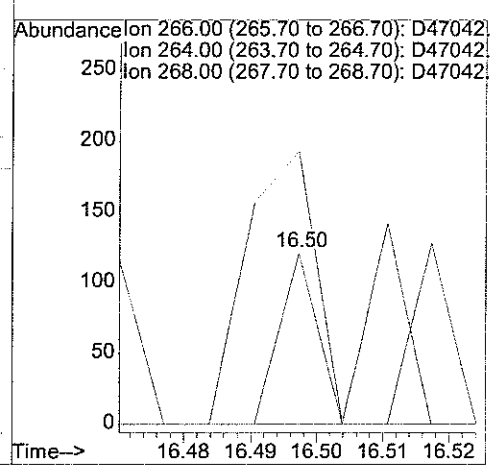


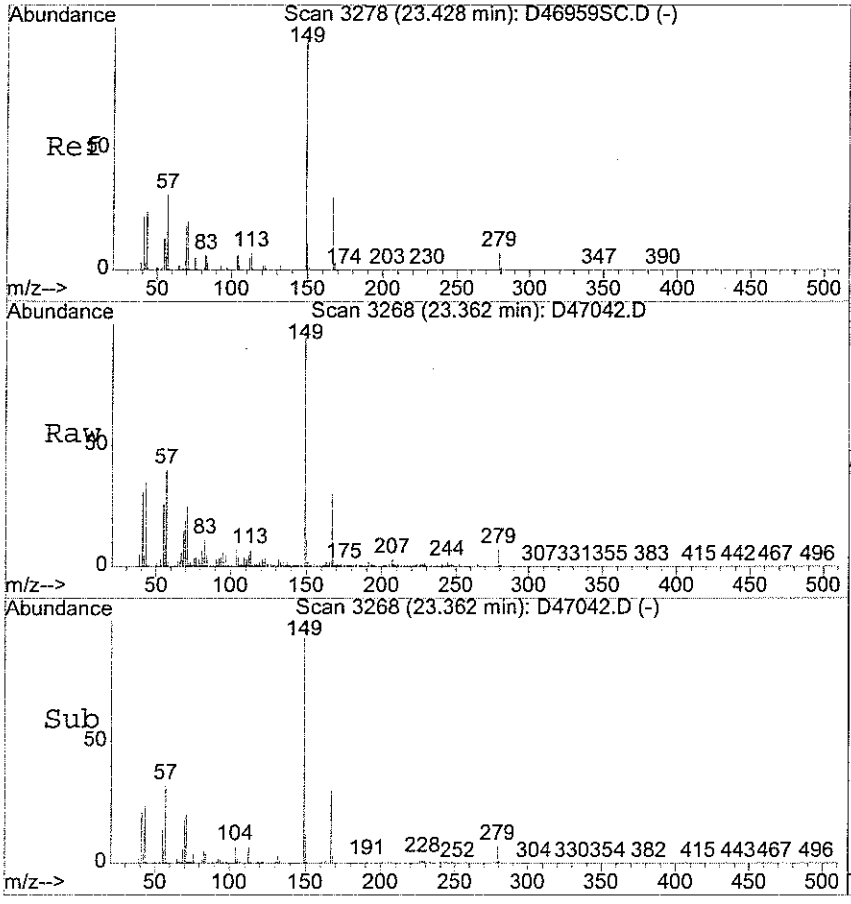


#64
Pentachlorophenol
Concen: 6.17 ug/ml
RT: 16.50 min Scan# 2245
Delta R.T. 0.03 min
Lab File: D47042.D
Acq: 25 Apr 2006 4:10 am

Tgt Ion:266 Resp: 49

Ion	Ratio	Lower	Upper
266	100		
264	404.1	50.0	75.0#
268	0.0	50.6	75.8#

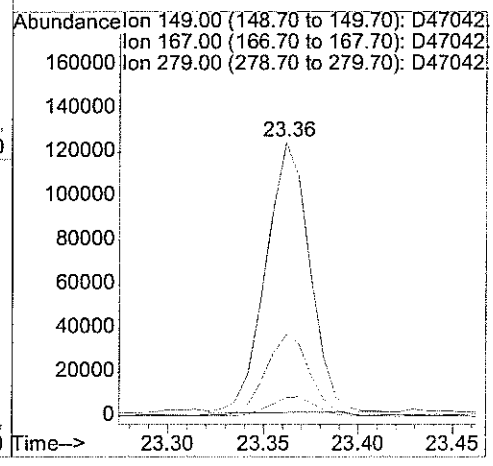




#78
Bis (2-ethylhexyl) phthalate
Concen: 3.78 ug/ml
RT: 23.36 min Scan# 3268
Delta R.T. -0.00 min
Lab File: D47042.D
Acq: 25 Apr 2006 4:10 am

Tgt Ion:149 Resp: 199115

Ion	Ratio	Lower	Upper
149	100		
167	30.0	23.7	35.5
279	8.1	6.1	9.1



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Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100

April 27, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number:

Field Sample ID: SWN-10-041906-1

SAMPLE DATA

Lab Sample ID: 56323-7
Matrix: Solid
Percent Solid: 92
Dilution Factor: 1.1
Collection Date: 04/19/06
Lab Receipt Date: 04/21/06
Extraction Date: 04/24/06
Analysis Date: 04/26/06

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	270	U
Acenaphthylene	270	U
Acenaphthene	270	U
Fluorene	270	U
Phenanthrene	270	U
Anthracene	270	U
Fluoranthene	270	U
Pyrene	270	U
Benzo[a]anthracene	270	U
Chrysene	270	U
Benzo[b] fluoranthene	270	U
Benzo[k] fluoranthene	270	U
Benzo[a] pyrene	270	U
Dibenz [a,h] anthracene	270	U
Benzo(g,h,i) perylene	270	U
Indeno [1,2,3-cd] pyrene	270	U
2-Methylnaphthalene	270	U

Surrogate Standard Recovery

d5-nitrobenzene	67 %	2-Fluorobiphenyl	80 %	d14-p-terphenyl	69 %

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042506-D\D47074.D Vial: 11
Acq On : 26 Apr 2006 2:22 am Operator:
Sample : 56323-7 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:40 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Tue Apr 25 23:18:57 2006
Response via : Initial Calibration
DataAcq Meth : ABN

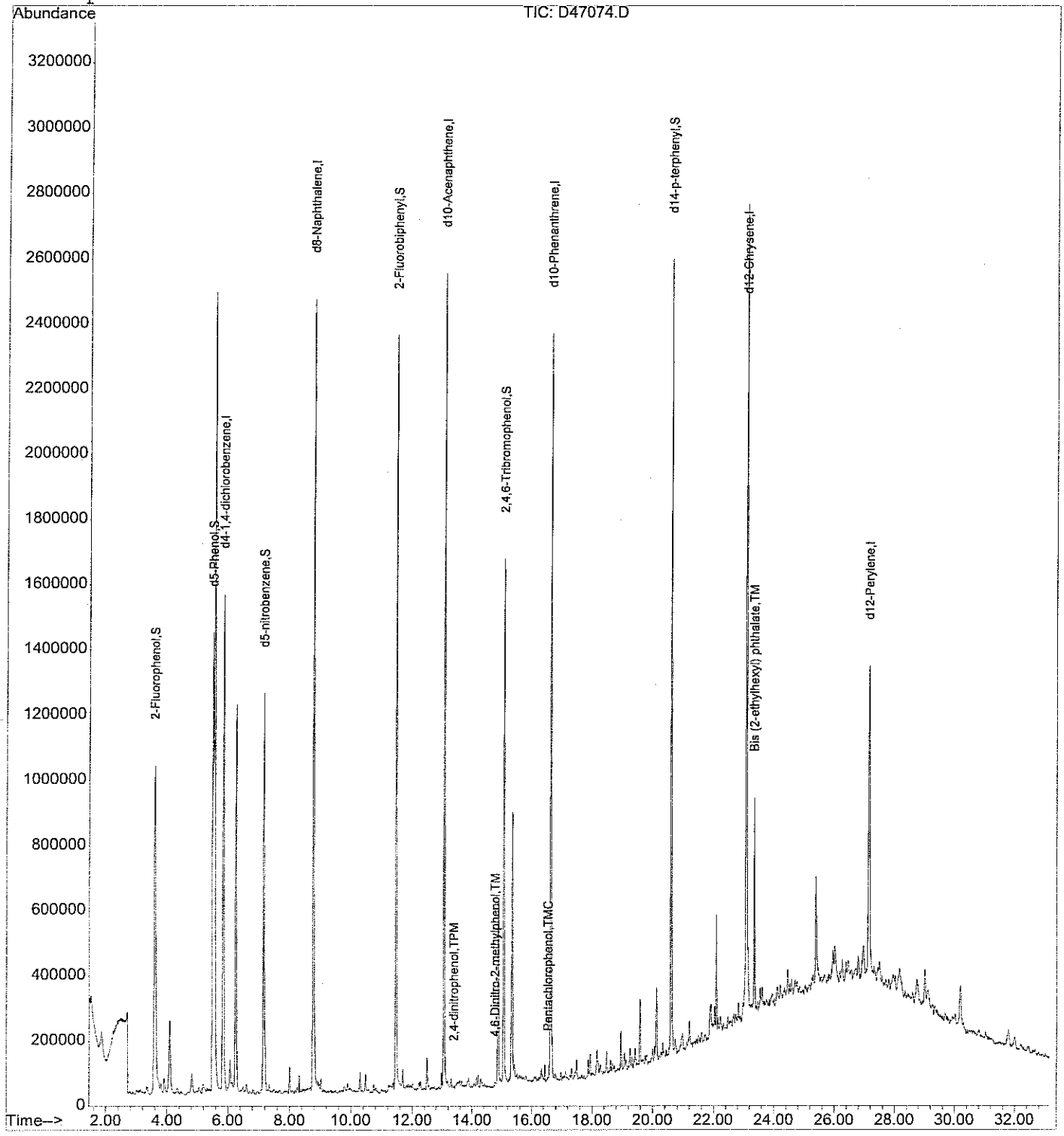
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.84	152	656799	40.00	ug/ml	0.00
19) d8-Naphthalene	8.76	136	2425737	40.00	ug/ml	-0.02
35) d10-Acenaphthene	13.06	164	1094859	40.00	ug/ml	-0.02
61) d10-Phenanthrene	16.63	188	1761598	40.00	ug/ml	-0.03
71) d12-Chrysene	23.10	240	1996843	40.00	ug/ml	-0.03
79) d12-Perylene	27.16	264	971823	40.00	ug/ml	-0.05
System Monitoring Compounds						
4) 2-Fluorophenol	3.58	112	1019592	48.15	ug/ml	-0.01
Spiked Amount 75.000	Range 29 - 97		Recovery = 64.20%			
5) d5-Phenol	5.49	99	1506639	57.24	ug/ml	-0.03
Spiked Amount 75.000	Range 40 - 120		Recovery = 76.32%			
20) d5-nitrobenzene	7.17	82	929650	33.45	ug/ml	-0.01
Spiked Amount 50.000	Range 20 - 101		Recovery = 66.90%			
39) 2-Fluorobiphenyl	11.46	172	1358866	39.77	ug/ml	-0.03
Spiked Amount 50.000	Range 34 - 102		Recovery = 79.54%			
60) 2,4,6-Tribromophenol	15.05	330	406675	68.93	ug/ml	-0.03
Spiked Amount 75.000	Range 36 - 141		Recovery = 91.91%			
73) d14-p-terphenyl	20.59	244	1436794	34.40	ug/ml	-0.03
Spiked Amount 50.000	Range 38 - 108		Recovery = 68.80%			
Target Compounds						Qvalue
~~47) 2,4-dinitrophenol~~	13.38	184	66	~~5.97 ug/ml~~#		1
~~56) 4,6-Dinitro-2-methylphenol~~	14.76	198	41	~~4.20 ug/ml~~#		1
~~64) Pentachlorophenol~~	16.54	266	41	~~6.17 ug/ml~~#		1
~~70) Benzidine~~	20.00	184	2382	~~Below Cal #~~		25
78) Bis (2-ethylhexyl) phthala	23.35	149	285672	J 5.57	ug/ml	98

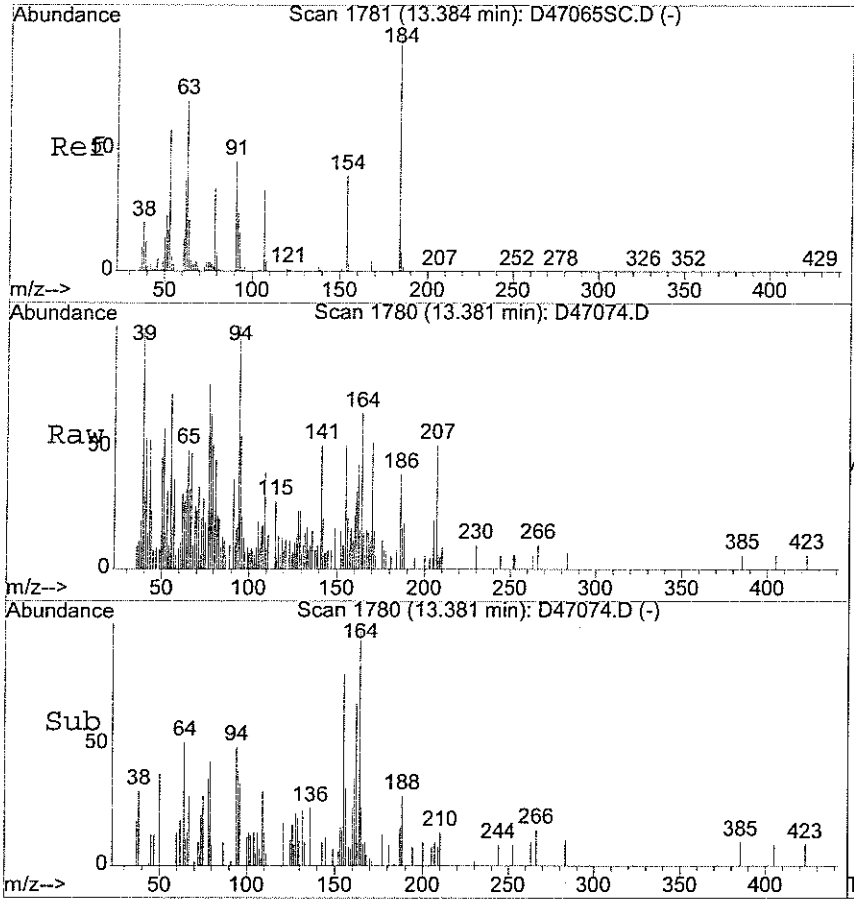
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042506-D\D47074.D Vial: 11
Acq On : 26 Apr 2006 2:22 am Operator:
Sample : 56323-7 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:40 2006 Quant Results File: S04036.RES

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Tue Apr 25 23:18:57 2006
Response via : Initial Calibration

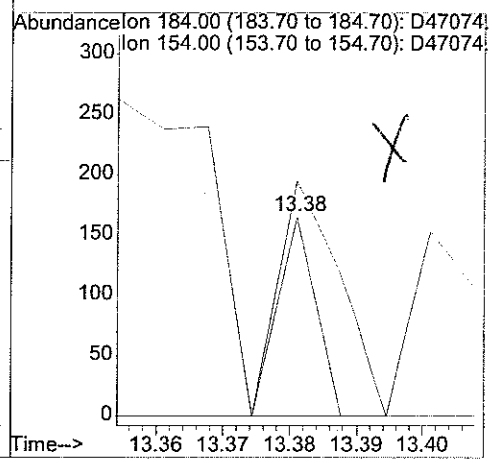


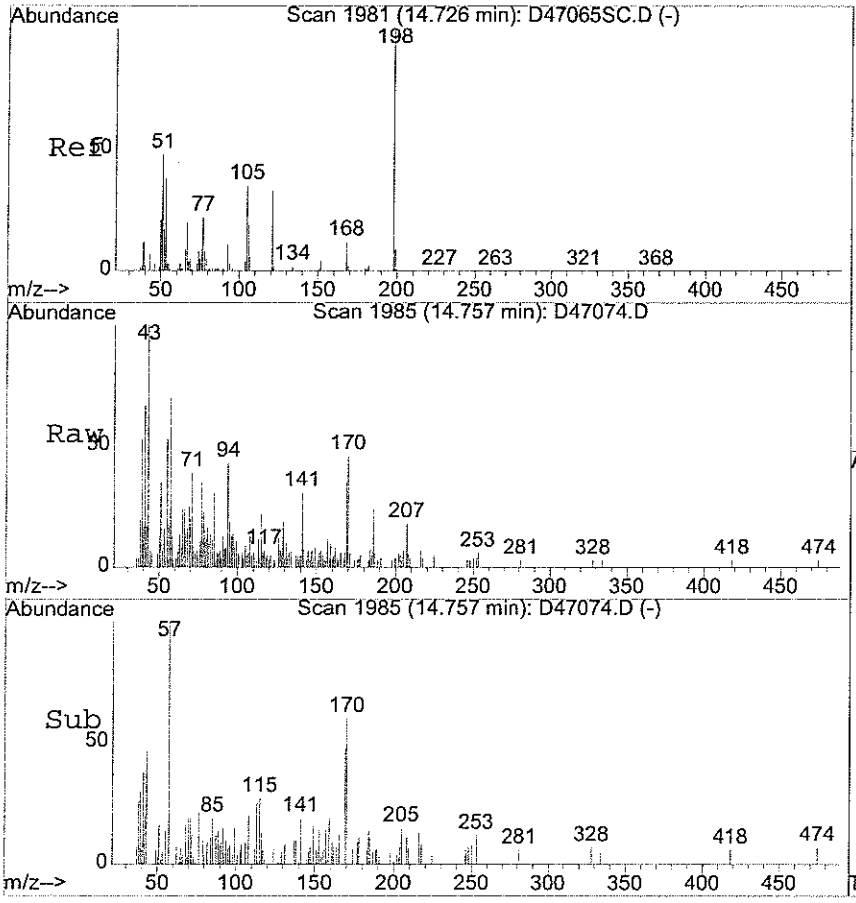


#47
2,4-dinitrophenol
Concen: 5.97 ug/ml
RT: 13.38 min Scan# 1780
Delta R.T. -0.01 min
Lab File: D47074.D
Acq: 26 Apr 2006 2:22 am

Tgt Ion:184 Resp: 66

Ion	Ratio	Lower	Upper
184	100		
154	225.8	30.6	46.0#

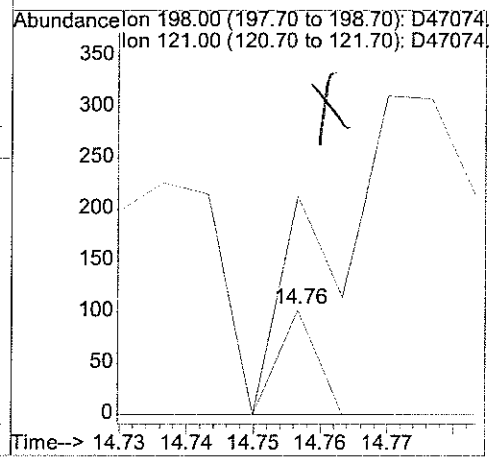


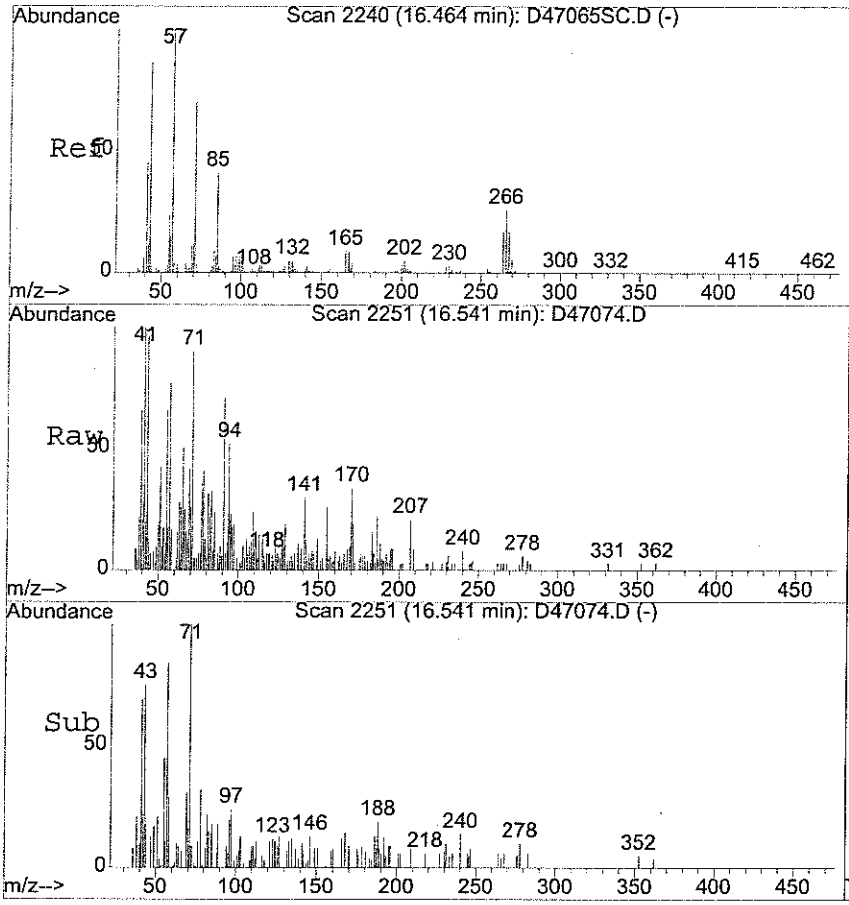


#56
4,6-Dinitro-2-methylphenol
Concen: 4.20 ug/ml
RT: 14.76 min Scan# 1985
Delta R.T. 0.02 min
Lab File: D47074.D
Acq: 26 Apr 2006 2:22 am

Tgt Ion:198 Resp: 41

Ion	Ratio	Lower	Upper
198	100		
121	1424.4	26.6	39.8#

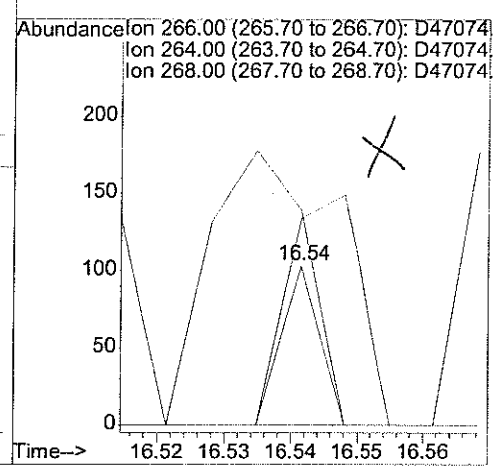


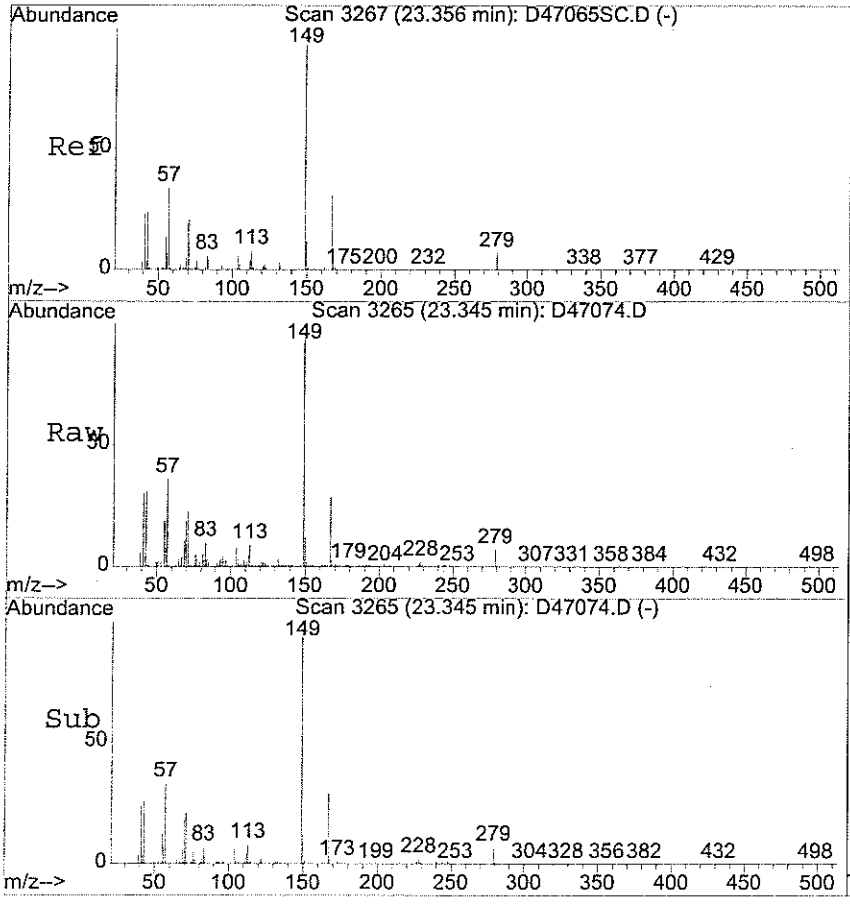


#64
Pentachlorophenol
Concen: 6.17 ug/ml
RT: 16.54 min Scan# 2251
Delta R.T. 0.05 min
Lab File: D47074.D
Acq: 26 Apr 2006 2:22 am

Tgt Ion:266 Resp: 41

Ion	Ratio	Lower	Upper
266	100		
264	278.0	50.3	75.5#
268	441.5	51.0	76.4#

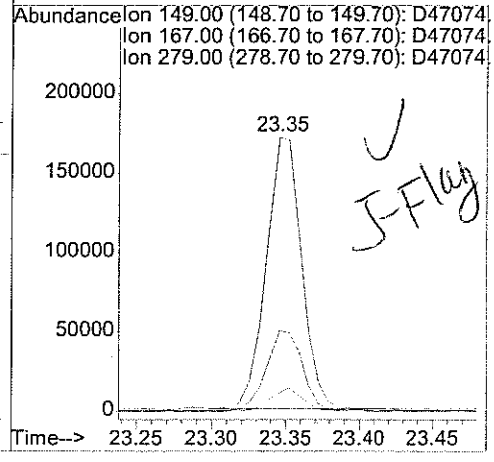




#78
Bis (2-ethylhexyl) phthalate
Concen: 5.57 ug/ml
RT: 23.35 min Scan# 3265
Delta R.T. -0.03 min
Lab File: D47074.D
Acq: 26 Apr 2006 2:22 am

Tgt Ion:149 Resp: 285672

Ion	Ratio	Lower	Upper
149	100		
167	30.5	23.7	35.5
279	8.1	6.0	9.0



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800-929-9906

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100

April 27, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number:

Field Sample ID: NSB-NLON-SITE7-CS-SL-EXS-SWS-11

SAMPLE DATA

Lab Sample ID:	56323-8
Matrix:	Solid
Percent Solid:	89
Dilution Factor:	1.1
Collection Date:	04/21/06
Lab Receipt Date:	04/21/06
Extraction Date:	04/24/06
Analysis Date:	04/26/06

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	270	U
Acenaphthylene	270	U
Acenaphthene	270	U
Fluorene	270	U
Phenanthrene	270	**376**
Anthracene	270	U
Fluoranthene	270	**698**
Pyrene	270	**525**
Benzo[a]anthracene	270	**329**
Chrysene	270	**344**
Benzo[b] fluoranthene	270	**390**
Benzo[k] fluoranthene	270	**339**
Benzo[a] pyrene	270	**332**
Dibenz [a,h] anthracene	270	U
Benzo(g,h,i) perylene	270	U
Indeno [1,2,3-cd] pyrene	270	U
2-Methylnaphthalene	270	U

Surrogate Standard Recovery

d5-nitrobenzene	73 %	2-Fluorobiphenyl	86 %	d14-p-terphenyl	72 %

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature Melena Tull

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042506-D\D47075.D
Acq On : 26 Apr 2006 2:39 am
Sample : 56323-8
Misc : SOIL
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:40 2006

Vial: 12
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Tue Apr 25 23:18:57 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4-26-06 SL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.84	152	608869	40.00 ug/ml	0.00
19) d8-Naphthalene	8.77	136	2251667	40.00 ug/ml	-0.02
35) d10-Acenaphthene	13.06	164	1036862	40.00 ug/ml	-0.02
61) d10-Phenanthrene	16.63	188	1756501	40.00 ug/ml	-0.02
71) d12-Chrysene	23.11	240	1986598	40.00 ug/ml	0.00
79) d12-Perylene	27.19	264	978252	40.00 ug/ml	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	3.58	112	1077246	54.87 ug/ml	-0.02
Spiked Amount 75.000	Range 29 - 97		Recovery =	73.16%	
5) d5-Phenol	5.49	99	1522344	62.39 ug/ml	-0.04
Spiked Amount 75.000	Range 40 - 120		Recovery =	83.19%	
20) d5-nitrobenzene	7.16	82	941154	36.48 ug/ml	-0.02
Spiked Amount 50.000	Range 20 - 101		Recovery =	72.96%	
39) 2-Fluorobiphenyl	11.46	172	1390070	42.96 ug/ml	-0.02
Spiked Amount 50.000	Range 34 - 102		Recovery =	85.92%	
60) 2,4,6-Tribromophenol	15.06	330	431181	77.17 ug/ml	-0.02
Spiked Amount 75.000	Range 36 - 141		Recovery =	102.89%	
73) d14-p-terphenyl	20.60	244	1490009	35.85 ug/ml	-0.02
Spiked Amount 50.000	Range 38 - 108		Recovery =	71.70%	

Target Compounds					Qvalue
~~47)~~ 2,4-dinitrophenol	13.39	184	50	~~5.97 ug/ml#~~	1
~~56)~~ 4,6-Dinitro-2-methylphenol	14.74	198	116	~~4.20 ug/ml#~~	41
~~64)~~ Pentachlorophenol	16.48	266	149	~~6.18 ug/ml#~~	1
65) Phenanthrene 376 ug/kg	16.69	178	481538	10.31 ug/ml	98
69) Fluoranthene	19.62	202	901753	19.14 ug/ml	99
~~70)~~ Benzidine	20.01	184	466	~~Below Cal #~~	1
72) Pyrene	20.14	202	848875	14.39 ug/ml	98
75) Benzo[a]anthracene	23.07	228	505458	9.02 ug/ml#	93
76) Chrysene	23.16	228	520633	9.43 ug/ml	98
81) Benzo[b] fluoranthene	25.97	252	297008	10.70 ug/ml#	91
82) Benzo[k] fluoranthene	26.03	252	244917	9.30 ug/ml	97
83) Benzo[a] pyrene	26.97	252	237455	9.11 ug/ml#	90

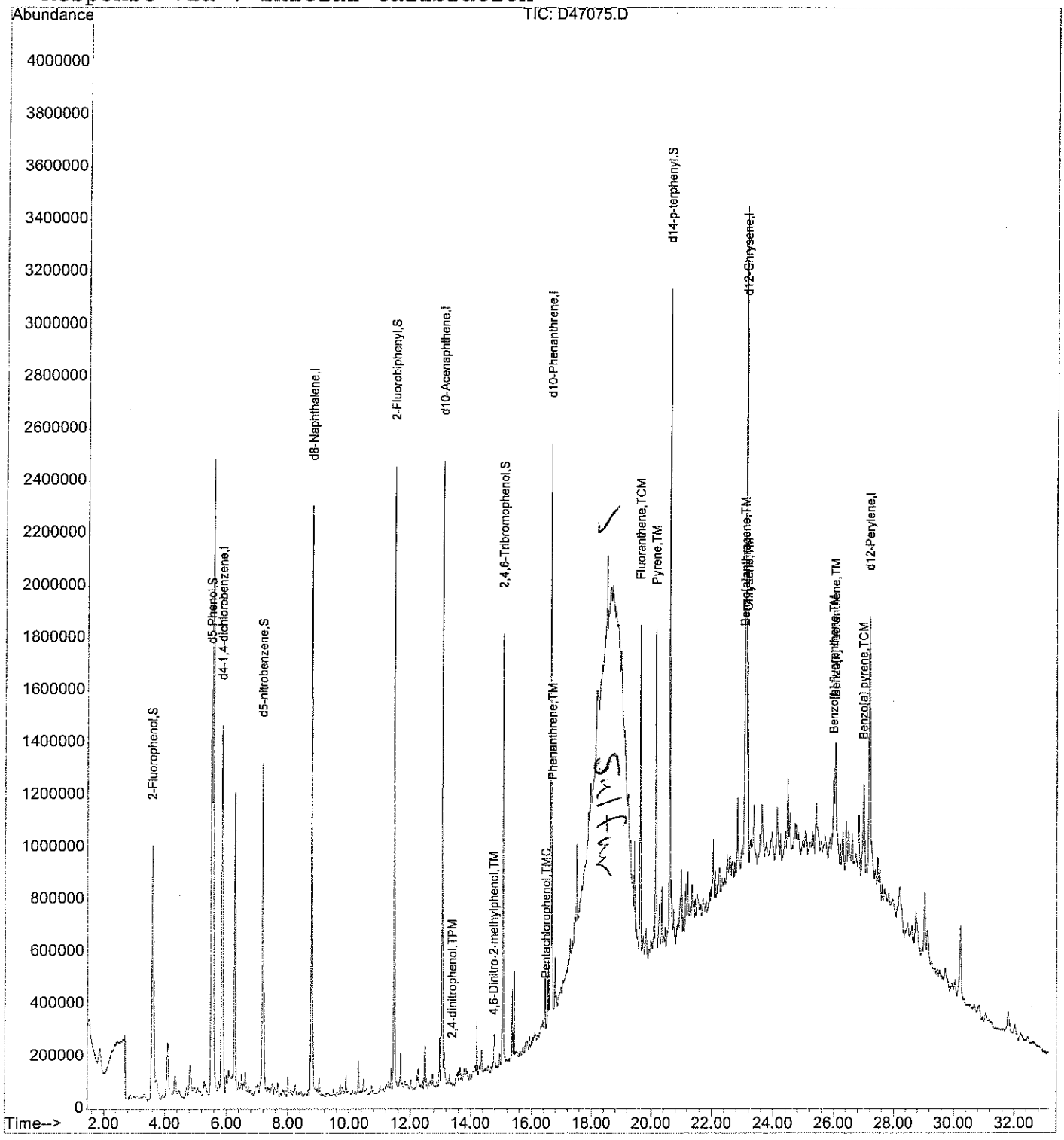
WH(1) = 30.74
% sol = 89.25
DF = 1.1 1.09
DL = 273 ug/kg

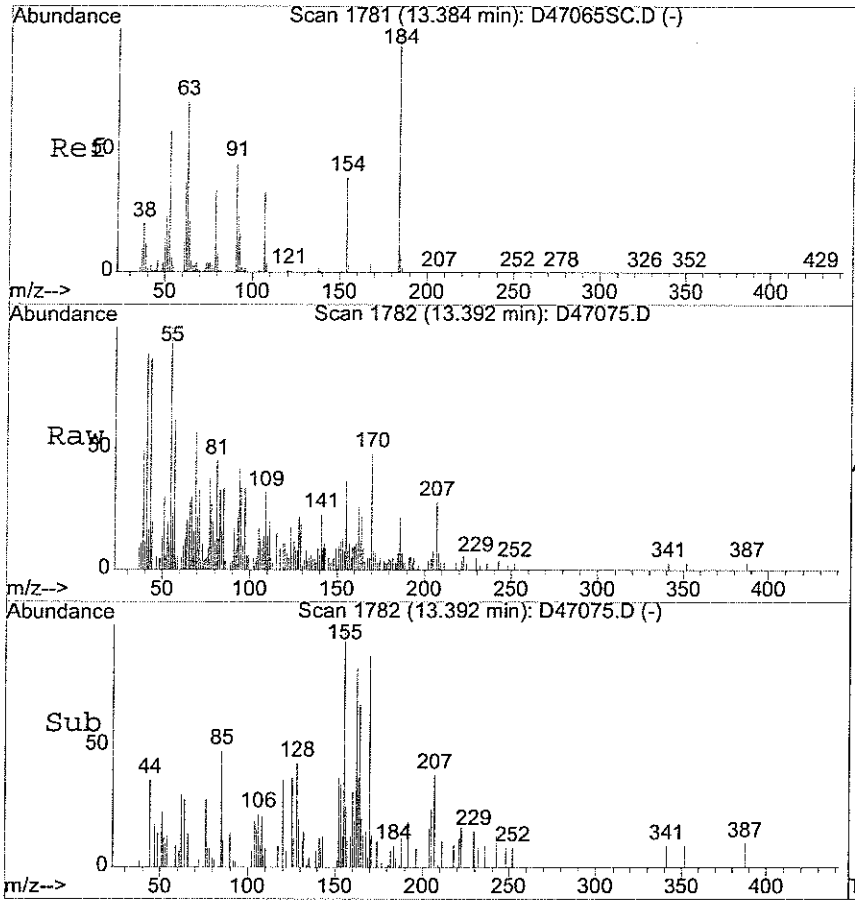
VS 4-27-06

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042506-D\D47075.D Vial: 12
Acq On : 26 Apr 2006 2:39 am Operator:
Sample : 56323-8 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:40 2006 Quant Results File: S04036.RES

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Tue Apr 25 23:18:57 2006
Response via : Initial Calibration

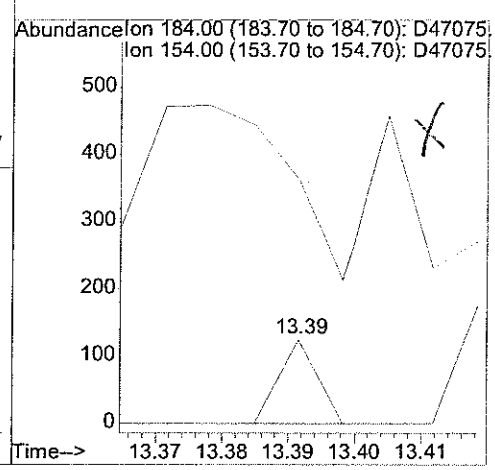


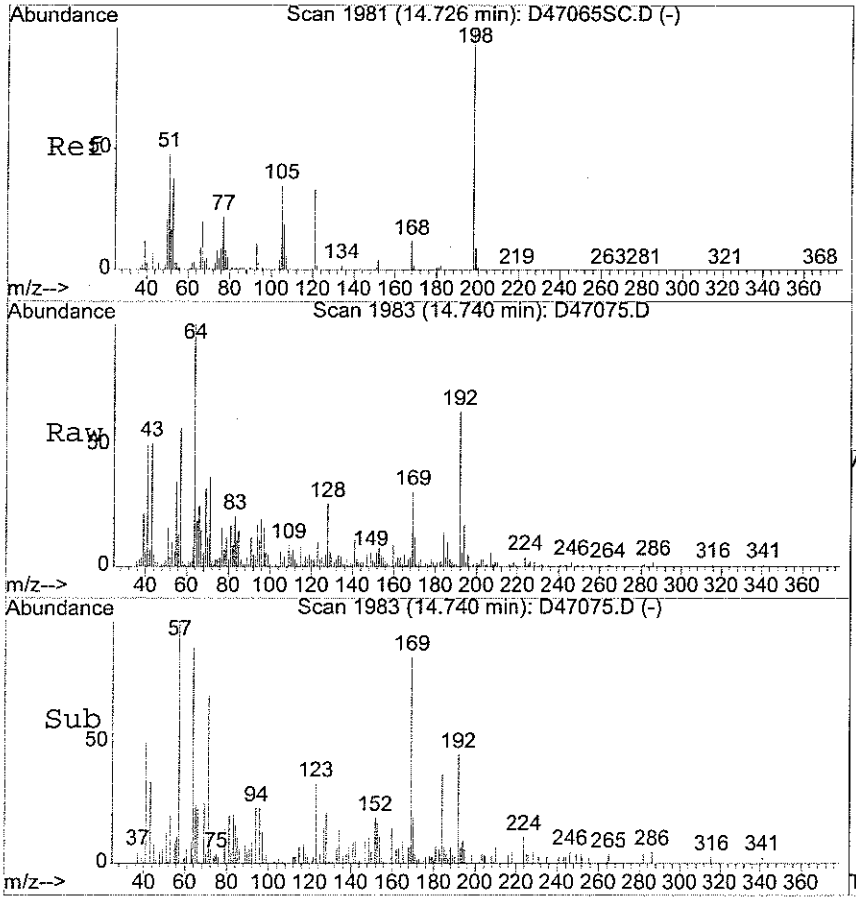


#47
2,4-dinitrophenol
Concen: 5.97 ug/ml
RT: 13.39 min Scan# 1782
Delta R.T. -0.00 min
Lab File: D47075.D
Acq: 26 Apr 2006 2:39 am

Tgt Ion:184 Resp: 50

Ion	Ratio	Lower	Upper
184	100		
154	788.0	30.6	46.0#

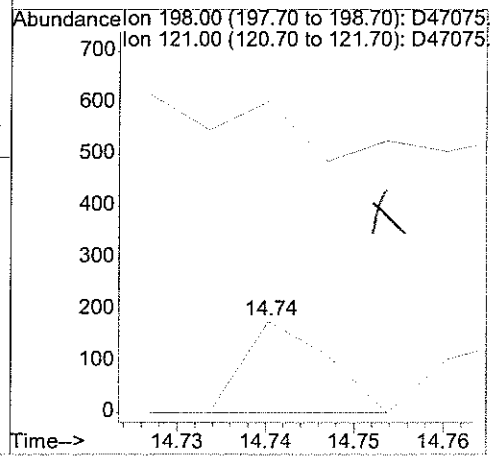


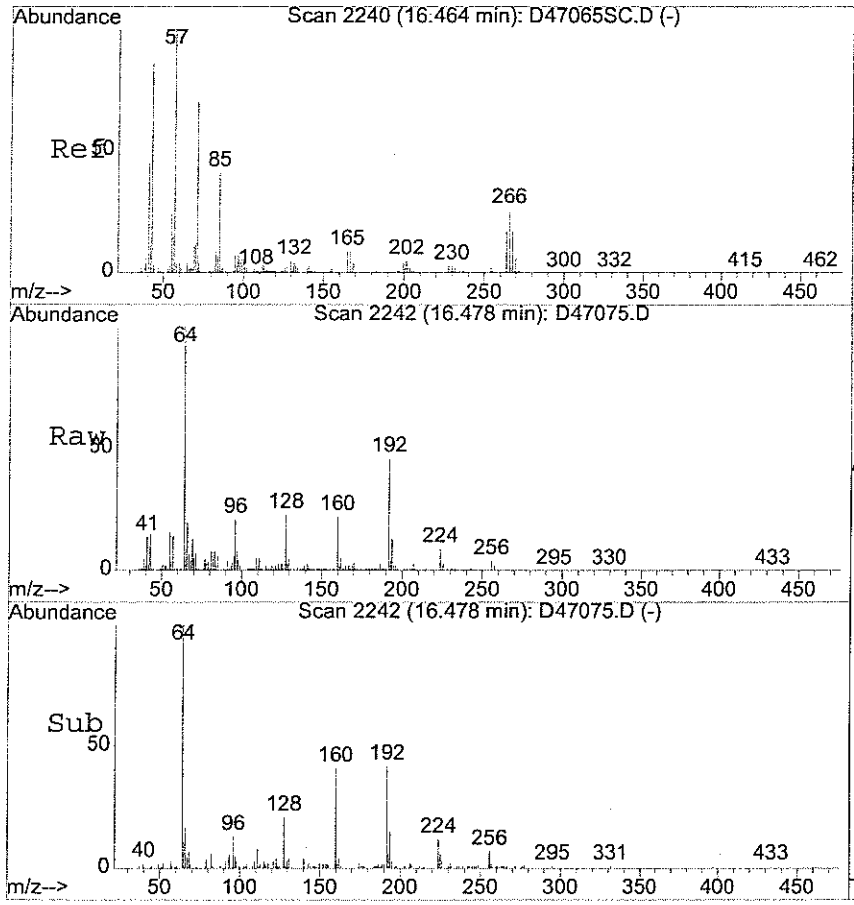


#56
4,6-Dinitro-2-methylphenol
Concen: 4.20 ug/ml
RT: 14.74 min Scan# 1983
Delta R.T. 0.00 min
Lab File: D47075.D
Acq: 26 Apr 2006 2:39 am

Tgt Ion:198 Resp: 116

Ion	Ratio	Lower	Upper
198	100		
121	0.0	26.6	39.8#

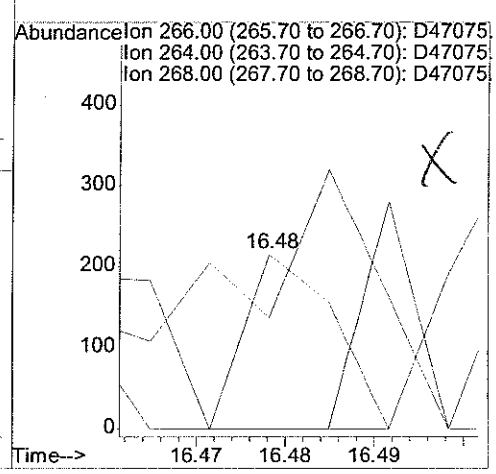


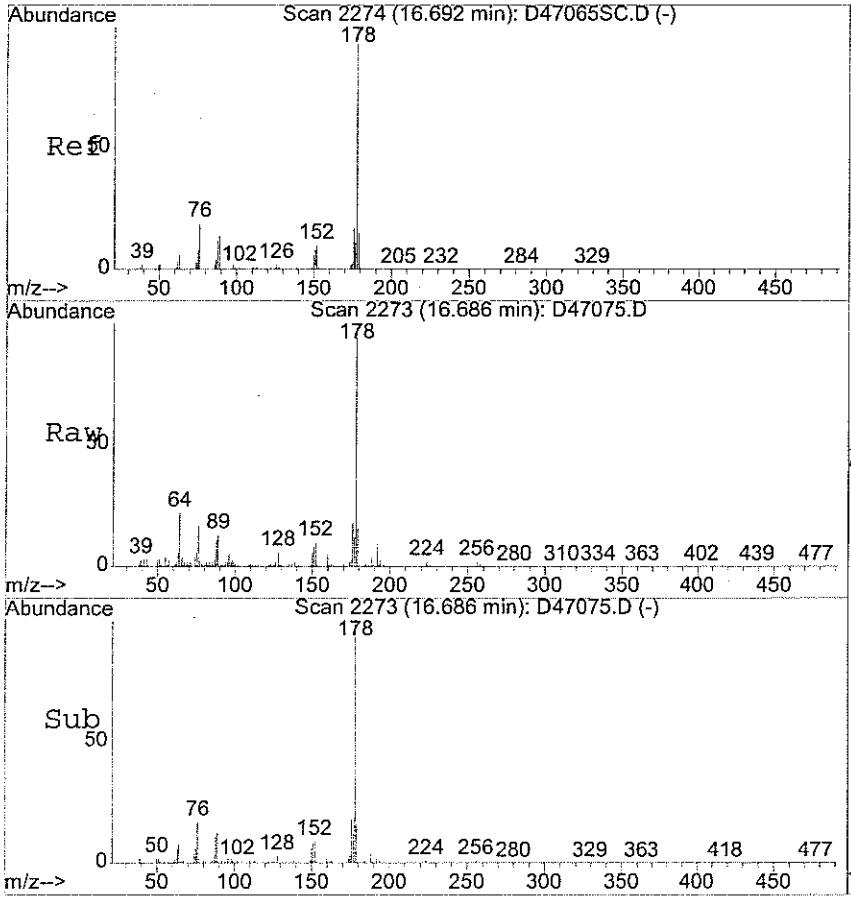


#64
Pentachlorophenol
Concen: 6.18 ug/ml
RT: 16.48 min Scan# 2242
Delta R.T. -0.01 min
Lab File: D47075.D
Acq: 26 Apr 2006 2:39 am

Tgt Ion:266 Resp: 149

Ion	Ratio	Lower	Upper
266	100		
264	222.8	50.3	75.5#
268	75.8	51.0	76.4

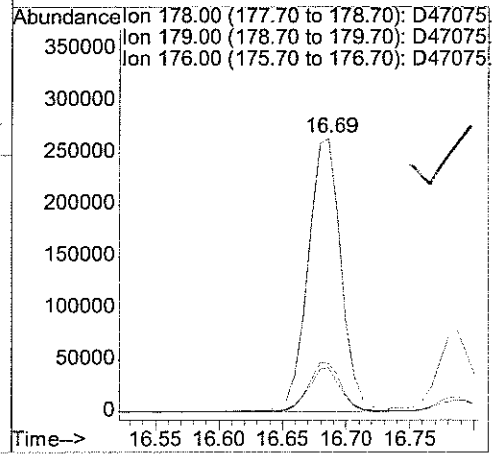


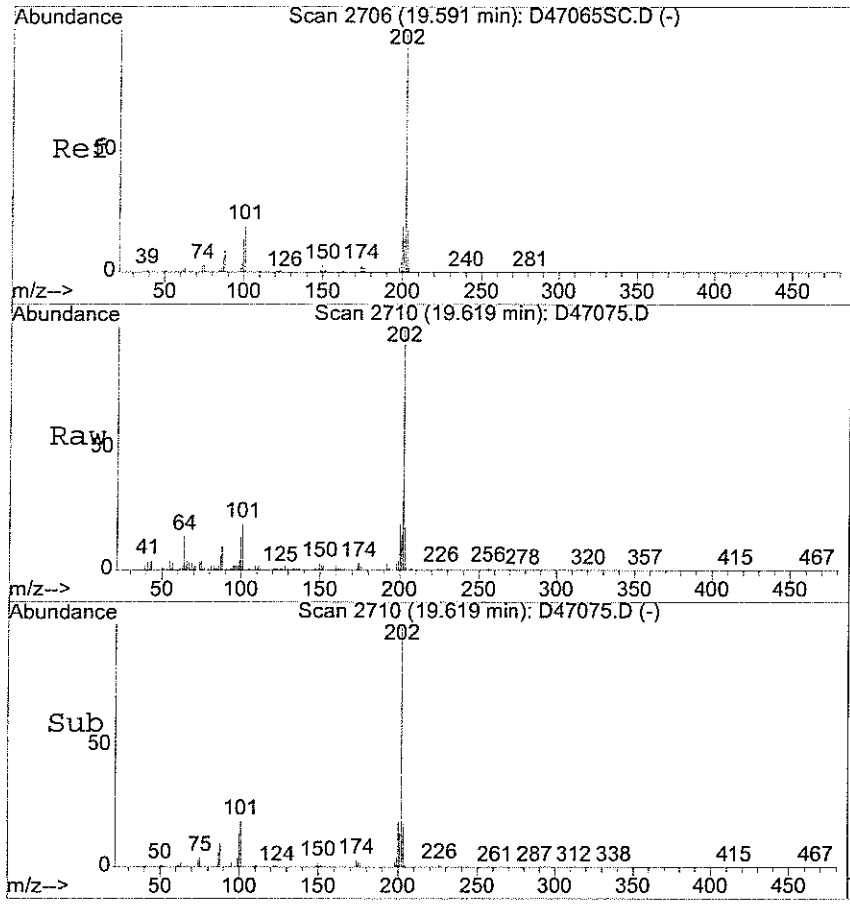


#65
Phenanthrene
Concen: 10.31 ug/ml
RT: 16.69 min Scan# 2273
Delta R.T. -0.02 min
Lab File: D47075.D
Acq: 26 Apr 2006 2:39 am

Tgt Ion:178 Resp: 481538

Ion	Ratio	Lower	Upper
178	100		
179	16.4	12.2	18.4
176	18.3	14.4	21.6

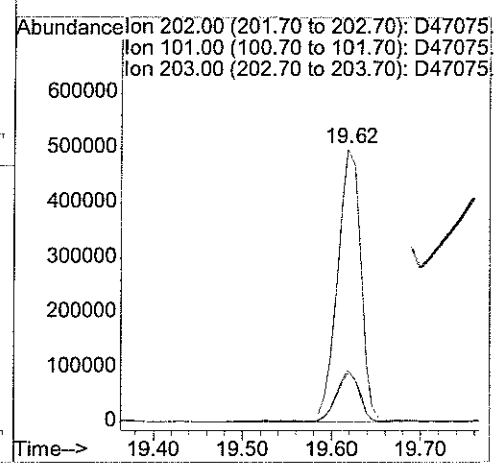


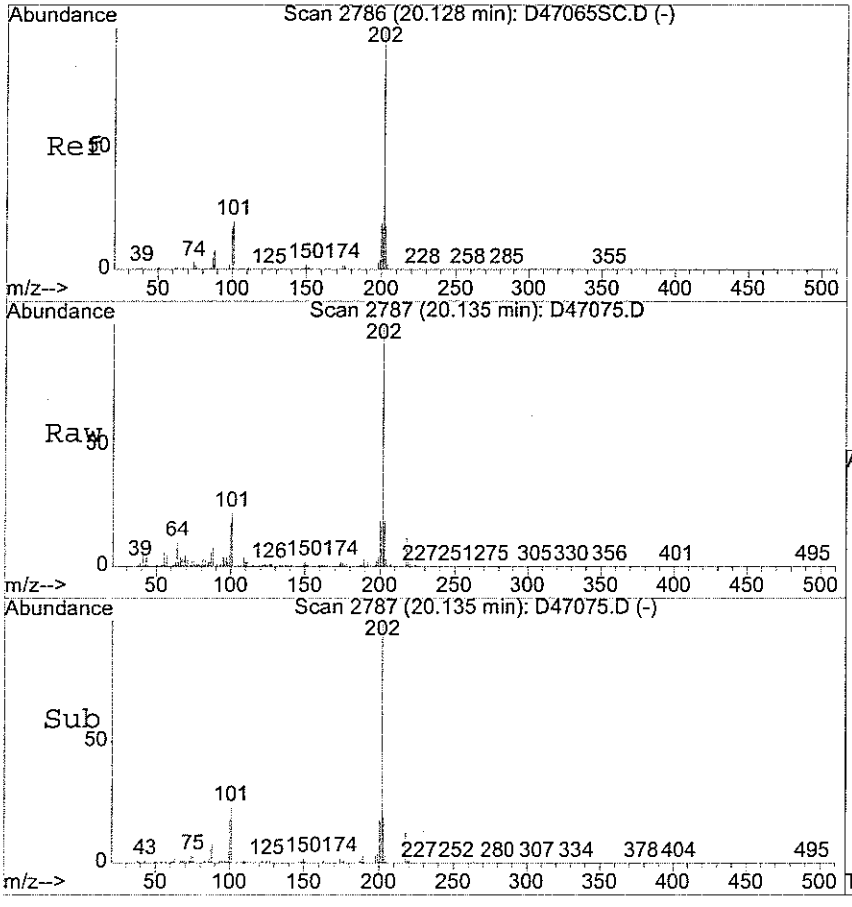


#69
Fluoranthene
Concen: 19.14 ug/ml
RT: 19.62 min Scan# 2710
Delta R.T. 0.01 min
Lab File: D47075.D
Acq: 26 Apr 2006 2:39 am

Tgt Ion:202 Resp: 901753

Ion	Ratio	Lower	Upper
202	100		
101	18.1	13.9	20.9
203	17.5	13.8	20.8

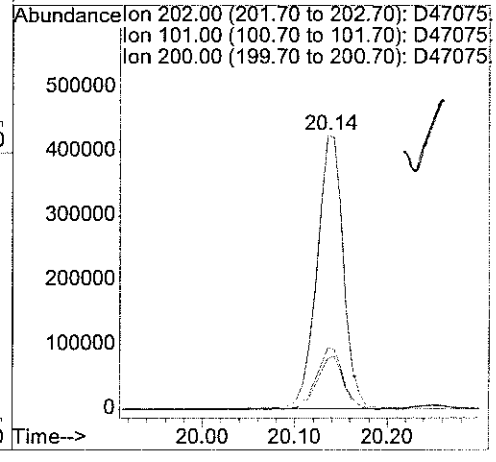


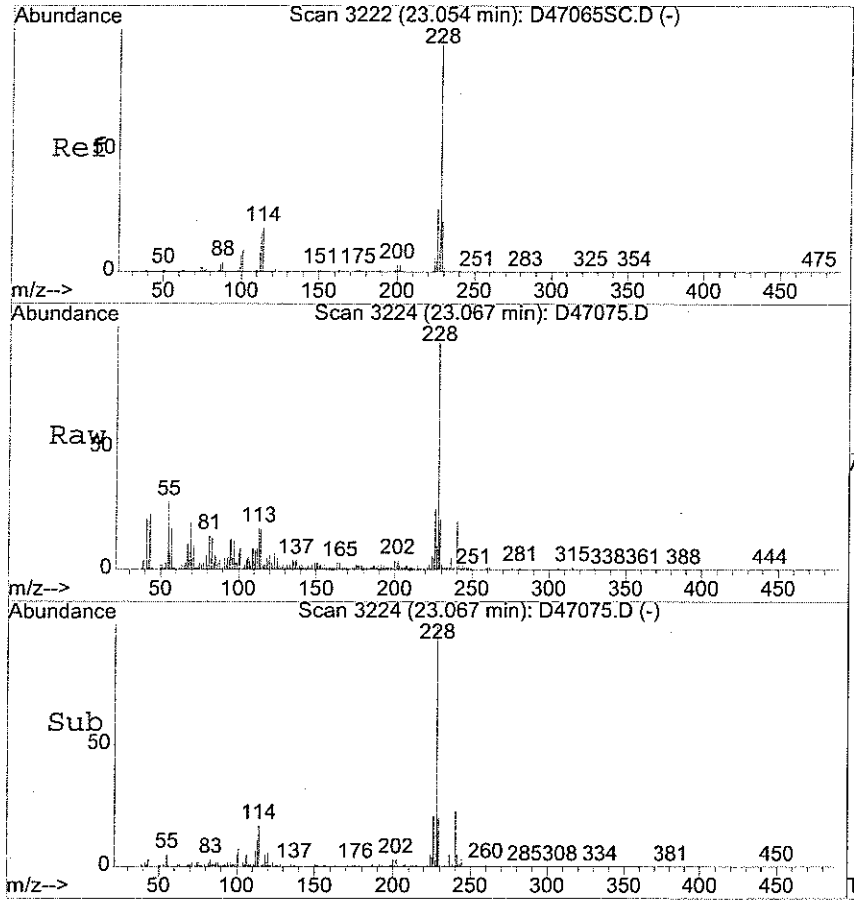


#72
Pyrene
Concen: 14.39 ug/ml
RT: 20.14 min Scan# 2787
Delta R.T. -0.01 min
Lab File: D47075.D
Acq: 26 Apr 2006 2:39 am

Tgt Ion:202 Resp: 848875

Ion	Ratio	Lower	Upper
202	100		
101	22.2	16.6	25.0
200	19.2	15.4	23.2

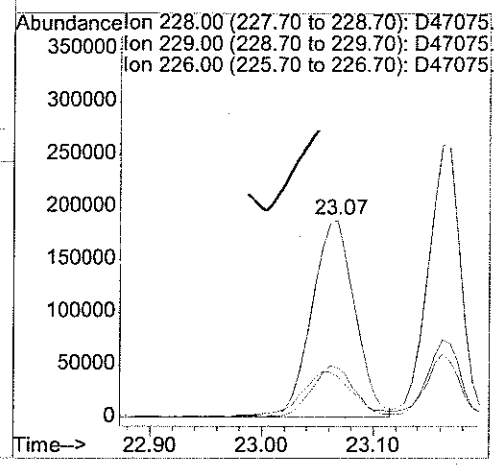


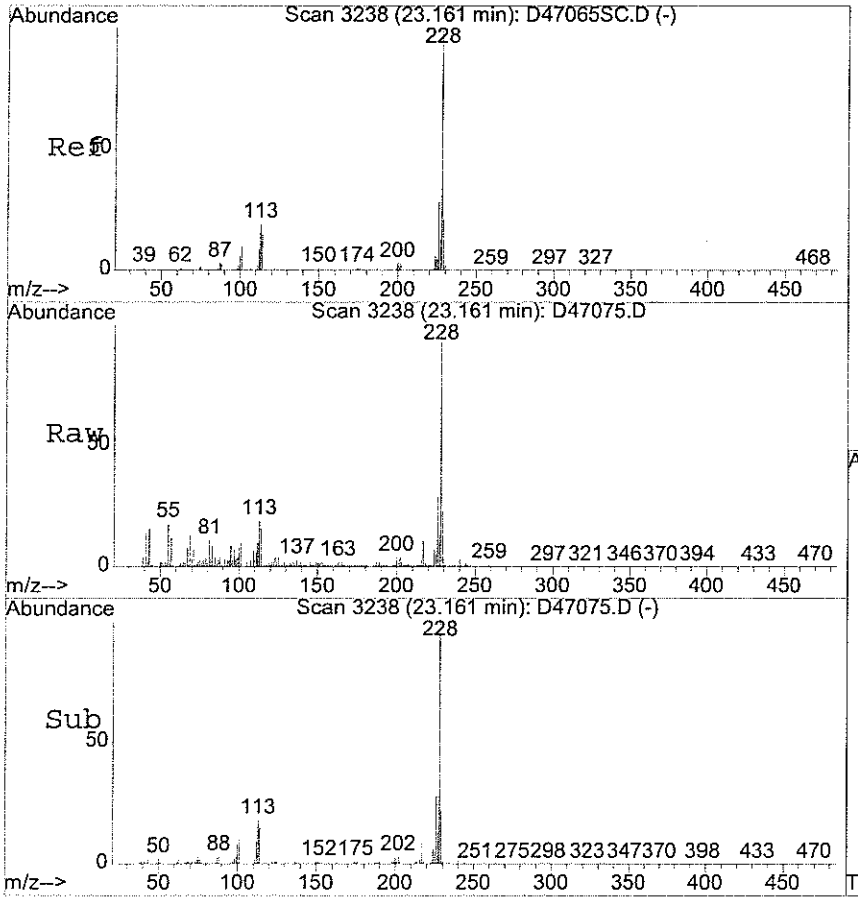


#75
Benzo[a]anthracene
Concen: 9.02 ug/ml
RT: 23.07 min Scan# 3224
Delta R.T. 0.00 min
Lab File: D47075.D
Acq: 26 Apr 2006 2:39 am

Tgt Ion:228 Resp: 505458

Ion	Ratio	Lower	Upper
228	100		
229	27.1	15.7	23.5#
226	25.5	20.3	30.5

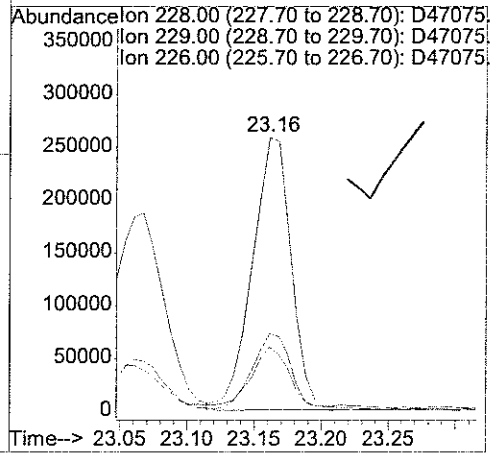


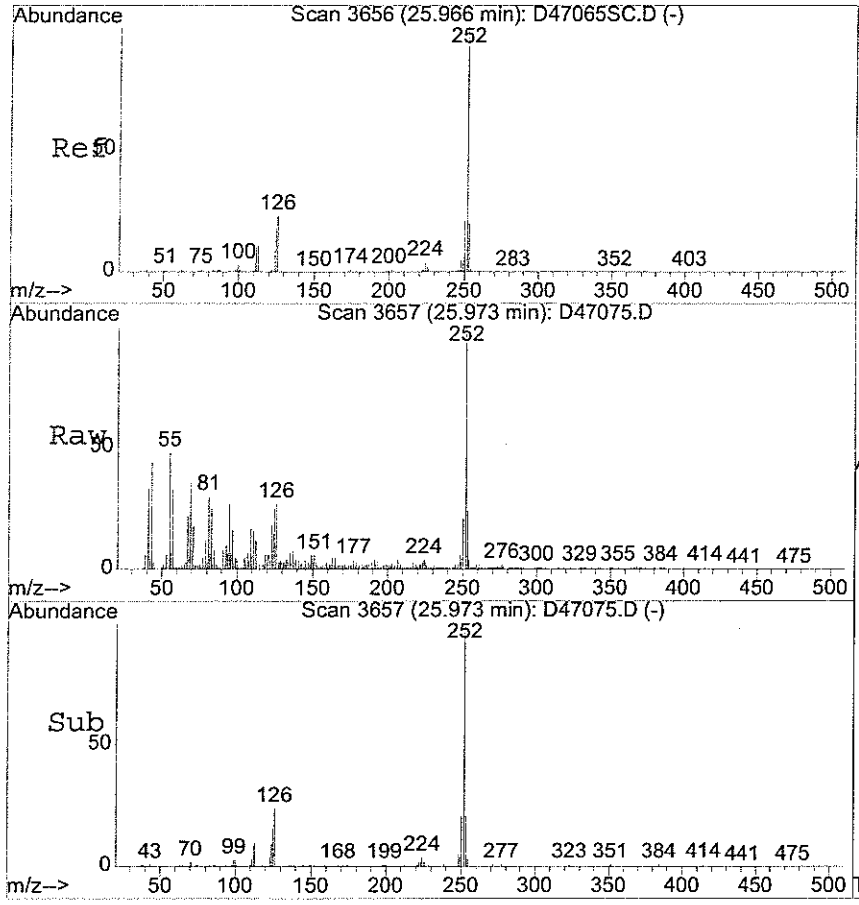


#76
Chrysene
Concen: 9.43 ug/ml
RT: 23.16 min Scan# 3238
Delta R.T. -0.02 min
Lab File: D47075.D
Acq: 26 Apr 2006 2:39 am

Tgt Ion:228 Resp: 520633

Ion	Ratio	Lower	Upper
228	100		
229	20.6	15.7	23.5
226	27.8	21.8	32.8

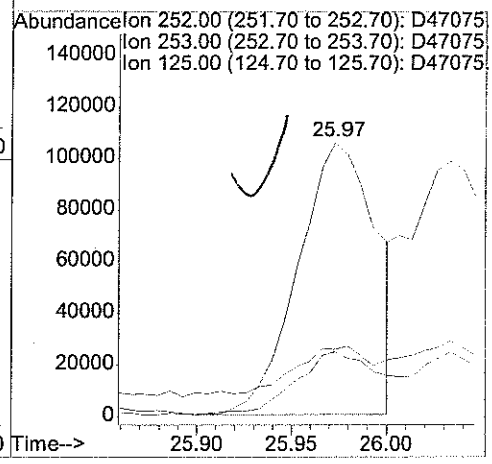


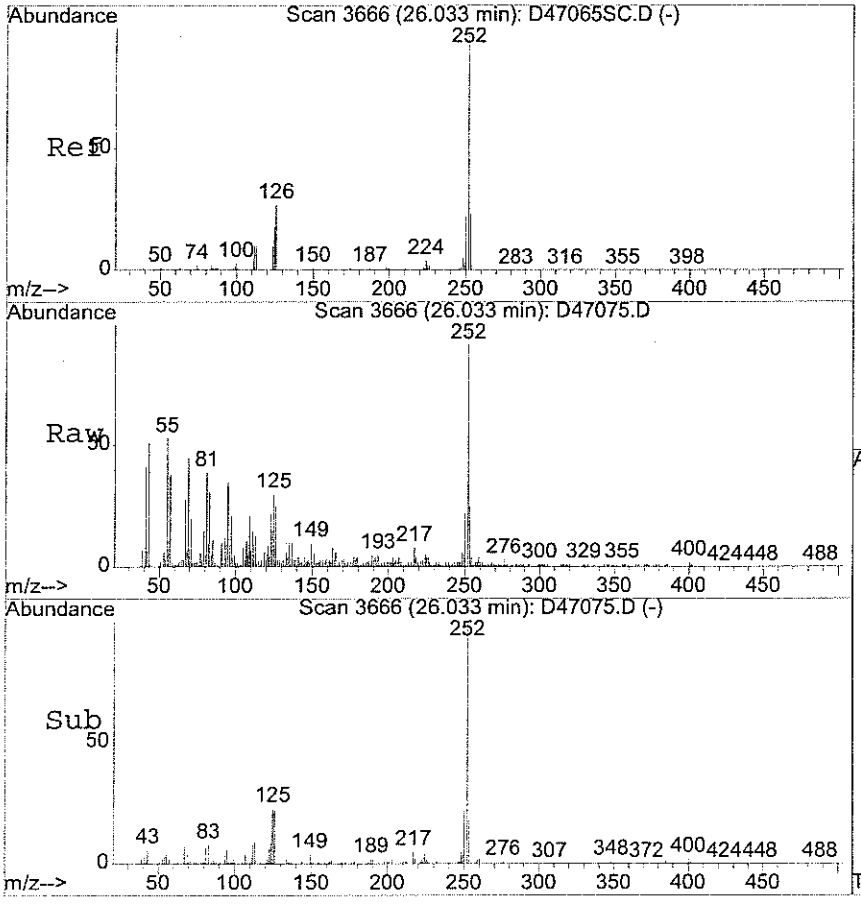


#81
Benzo[b] fluoranthene
Concen: 10.70 ug/ml
RT: 25.97 min Scan# 3657
Delta R.T. -0.02 min
Lab File: D47075.D
Acq: 26 Apr 2006 2:39 am

Tgt Ion:252 Resp: 297008

Ion	Ratio	Lower	Upper
252	100		
253	27.5	17.0	25.6#
125	18.5	13.7	20.5

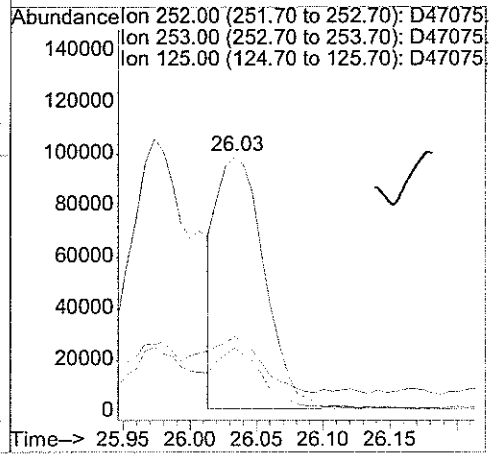


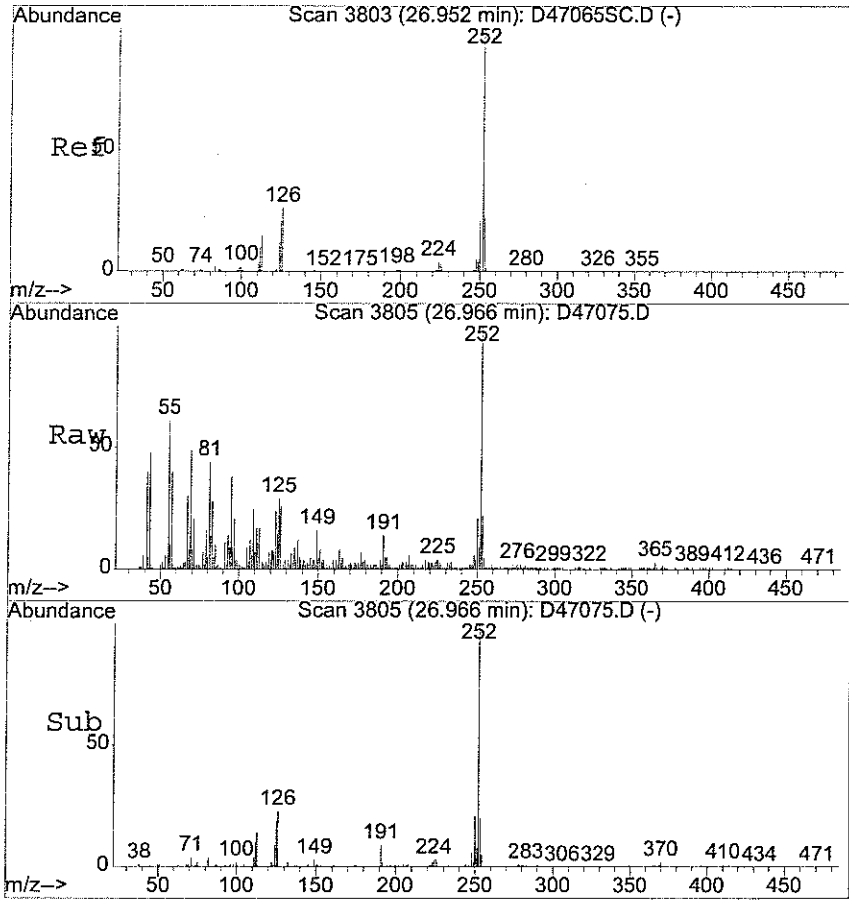


#82
Benzo[k] fluoranthene
Concen: 9.30 ug/ml
RT: 26.03 min Scan# 3666
Delta R.T. -0.03 min
Lab File: D47075.D
Acq: 26 Apr 2006 2:39 am

Tgt Ion:252 Resp: 244917

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.4	26.2
125	20.2	14.4	21.6

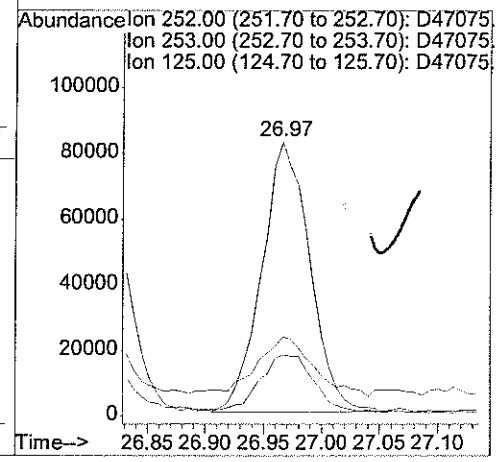




#83
Benzo[a] pyrene
Concen: 9.11 ug/ml
RT: 26.97 min Scan# 3805
Delta R.T. -0.02 min
Lab File: D47075.D
Acq: 26 Apr 2006 2:39 am

Tgt Ion:252 Resp: 237455

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	27.0	15.4	23.2#



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Mr. Rick Woodworth
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820 Town Center Drive, Suite 100

April 27, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number:

Field Sample ID: NSB-NLON-SITE7-CS-SL-EXS-SWS-12

SAMPLE DATA

Lab Sample ID:	56323-9
Matrix:	Solid
Percent Solid:	91
Dilution Factor:	1.1
Collection Date:	04/21/06
Lab Receipt Date:	04/21/06
Extraction Date:	04/24/06
Analysis Date:	04/26/06

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	270	U
Acenaphthylene	270	U
Acenaphthene	270	U
Fluorene	270	U
Phenanthrene	270	U
Anthracene	270	U
Fluoranthene	270	**174 J**
Pyrene	270	U
Benzo[a]anthracene	270	U
Chrysene	270	U
Benzo[b] fluoranthene	270	U
Benzo[k] fluoranthene	270	U
Benzo[a] pyrene	270	U
Dibenz [a,h] anthracene	270	U
Benzo(g,h,i) perylene	270	U
Indeno [1,2,3-cd] pyrene	270	U
2-Methylnaphthalene	270	U

Surrogate Standard Recovery

d5-nitrobenzene	70 %	2-Fluorobiphenyl	83 %	d14-p-terphenyl	73 %

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042506-D\D47076.D Vial: 13
Acq On : 26 Apr 2006 3:45 am Operator:
Sample : 56323-9 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:40 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Tue Apr 25 23:18:57 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.84	152	600406	40.00	ug/ml	0.00
19) d8-Naphthalene	8.77	136	2271601	40.00	ug/ml	-0.02
35) d10-Acenaphthene	13.06	164	1053512	40.00	ug/ml	-0.02
61) d10-Phenanthrene	16.63	188	1677055	40.00	ug/ml	-0.02
71) d12-Chrysene	23.11	240	1886906	40.00	ug/ml	-0.02
79) d12-Perylene	27.17	264	945381	40.00	ug/ml	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	3.58	112	1035374	53.48	ug/ml	-0.02
Spiked Amount 75.000	Range 29 - 97		Recovery = 71.31%			
5) d5-Phenol	5.49	99	1466818	60.97	ug/ml	-0.04
Spiked Amount 75.000	Range 40 - 120		Recovery = 81.29%			
20) d5-nitrobenzene	7.16	82	916949	35.23	ug/ml	-0.02
Spiked Amount 50.000	Range 20 - 101		Recovery = 70.46%			
39) 2-Fluorobiphenyl	11.46	172	1370863	41.70	ug/ml	-0.02
Spiked Amount 50.000	Range 34 - 102		Recovery = 83.40%			
60) 2,4,6-Tribromophenol	15.05	330	434207	76.48	ug/ml	-0.03
Spiked Amount 75.000	Range 36 - 141		Recovery = 101.97%			
73) d14-p-terphenyl	20.60	244	1433004	36.30	ug/ml	-0.02
Spiked Amount 50.000	Range 38 - 108		Recovery = 72.60%			
Target Compounds						Qvalue
~~47) 2,4-dinitrophenol~~	13.38	184	113	~~5.98 ug/ml#~~		1
~~56) 4,6-Dinitro-2-methylphenol~~	14.73	198	50	~~4.20 ug/ml#~~		1
~~64) Pentachlorophenol~~	16.48	266	50	~~6.17 ug/ml#~~		44
69) Fluoranthene	19.58	202	214305	J 4.76	ug/ml	99
~~70) Benzidine~~	20.05	184	681	~~Below Cal #~~		1

WHq = 30.07
/ Sld = 91.01
DF = 1.1

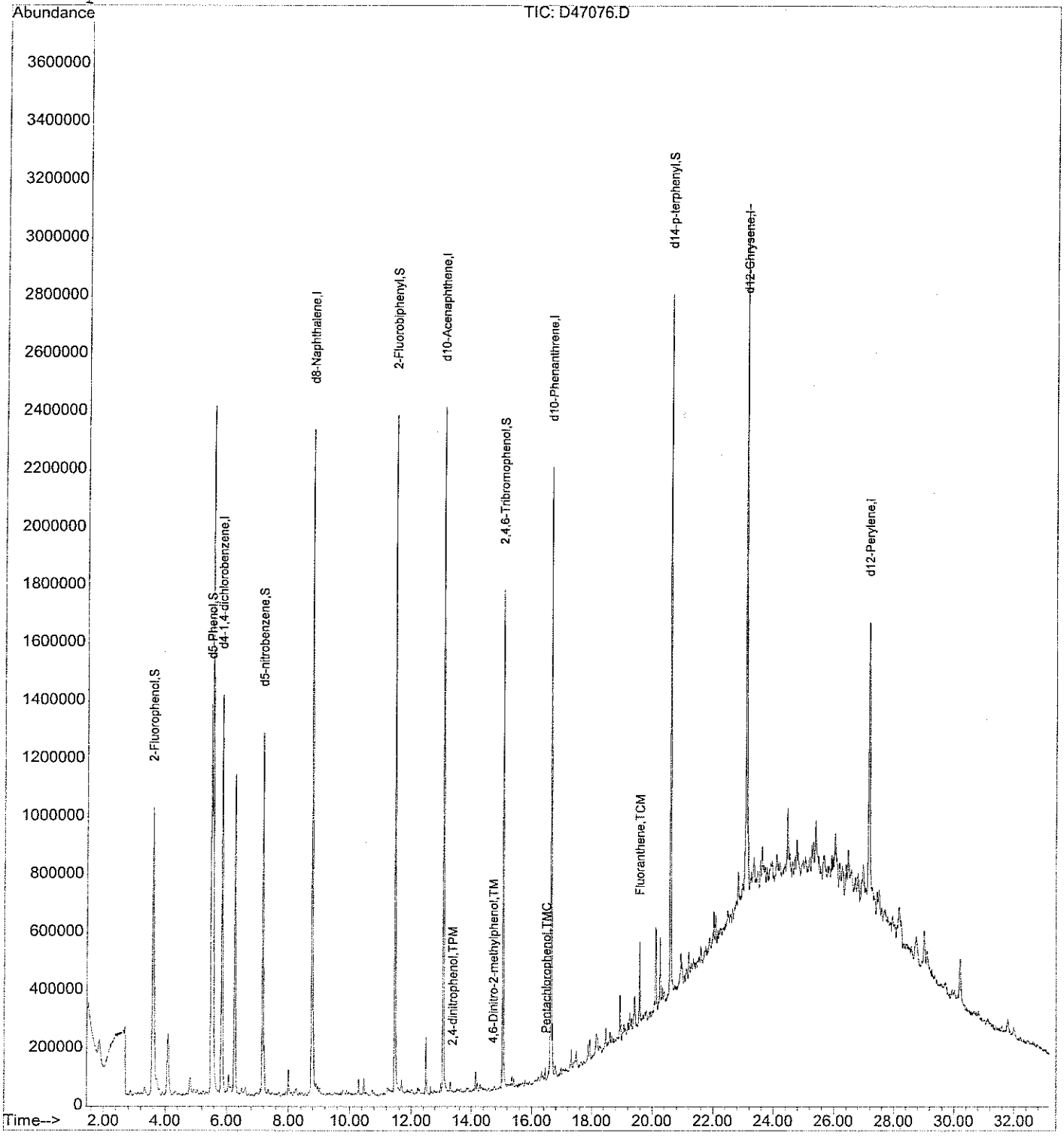
VD42726

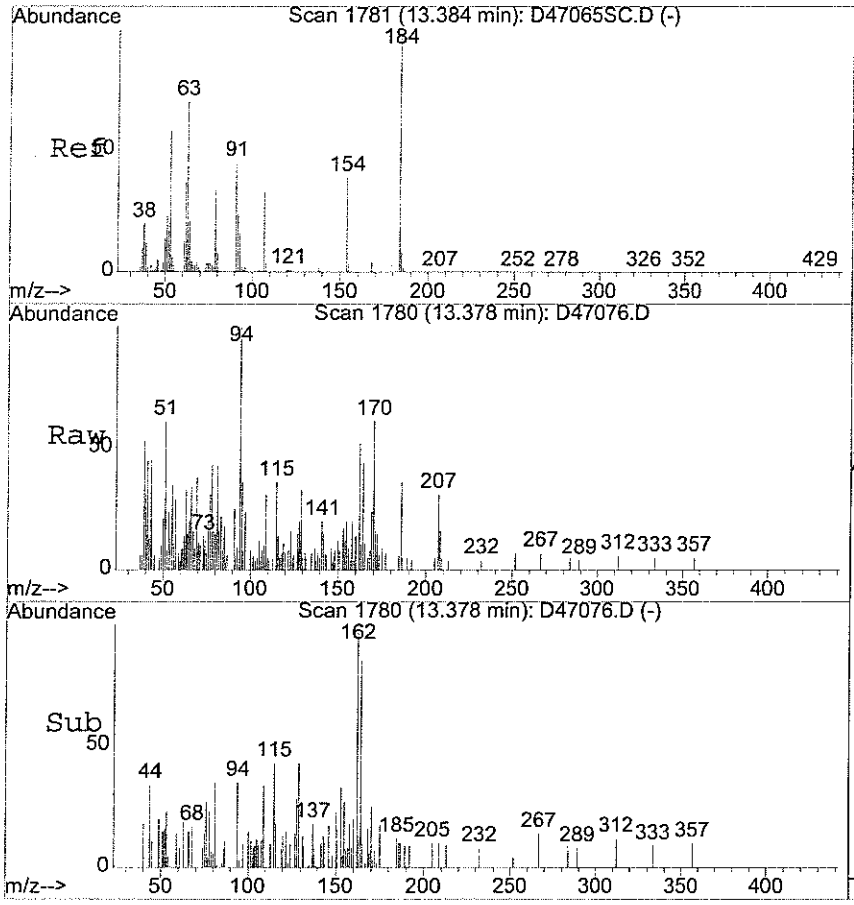
(#) = qualifier out of range (m) = manual integration
D47076.D S04036.M Wed Apr 26 09:03:20 2006 Page 1

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042506-D\D47076.D Vial: 13
Acq On : 26 Apr 2006 3:45 am Operator:
Sample : 56323-9 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:40 2006 Quant Results File: S04036.RES

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Tue Apr 25 23:18:57 2006
Response via : Initial Calibration

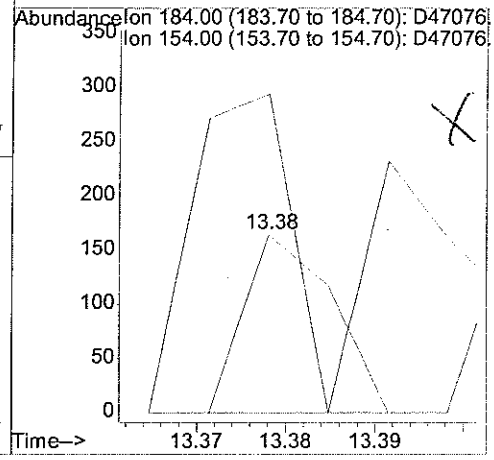


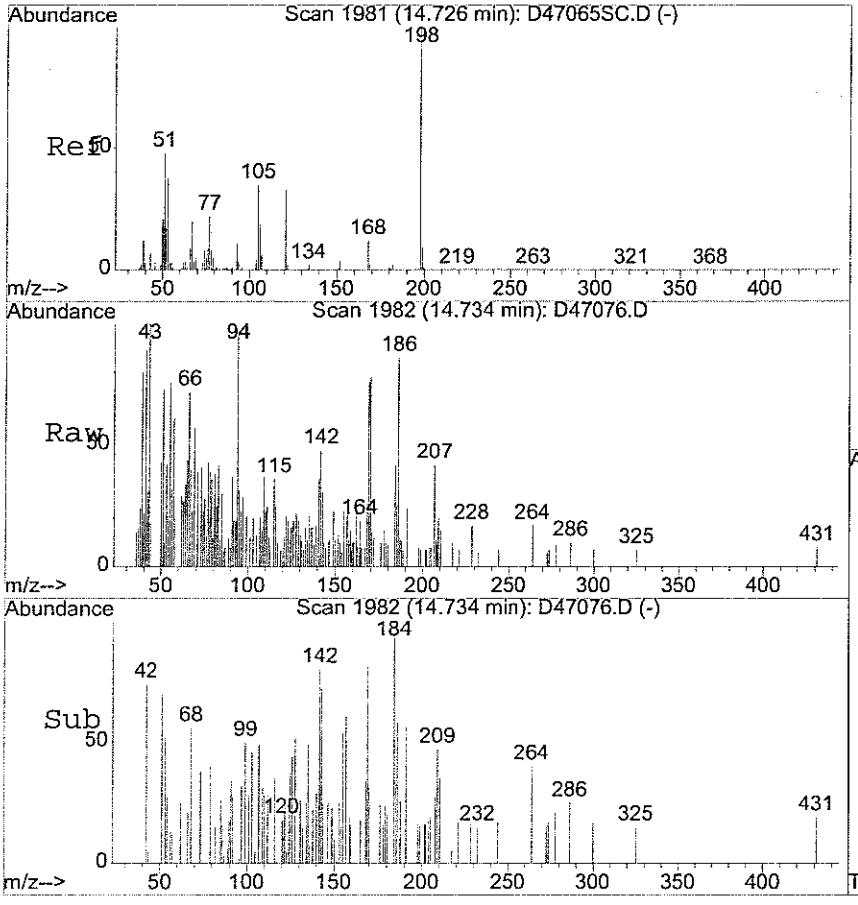


#47
2,4-dinitrophenol
Concen: 5.98 ug/ml
RT: 13.38 min Scan# 1780
Delta R.T. -0.02 min
Lab File: D47076.D
Acq: 26 Apr 2006 3:45 am

Tgt Ion:184 Resp: 113

Ion	Ratio	Lower	Upper
184	100		
154	201.8	30.6	46.0#

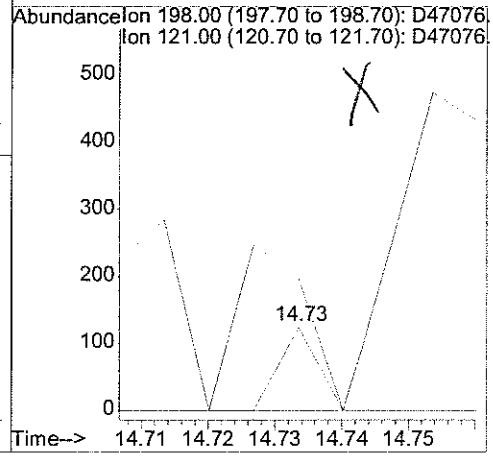


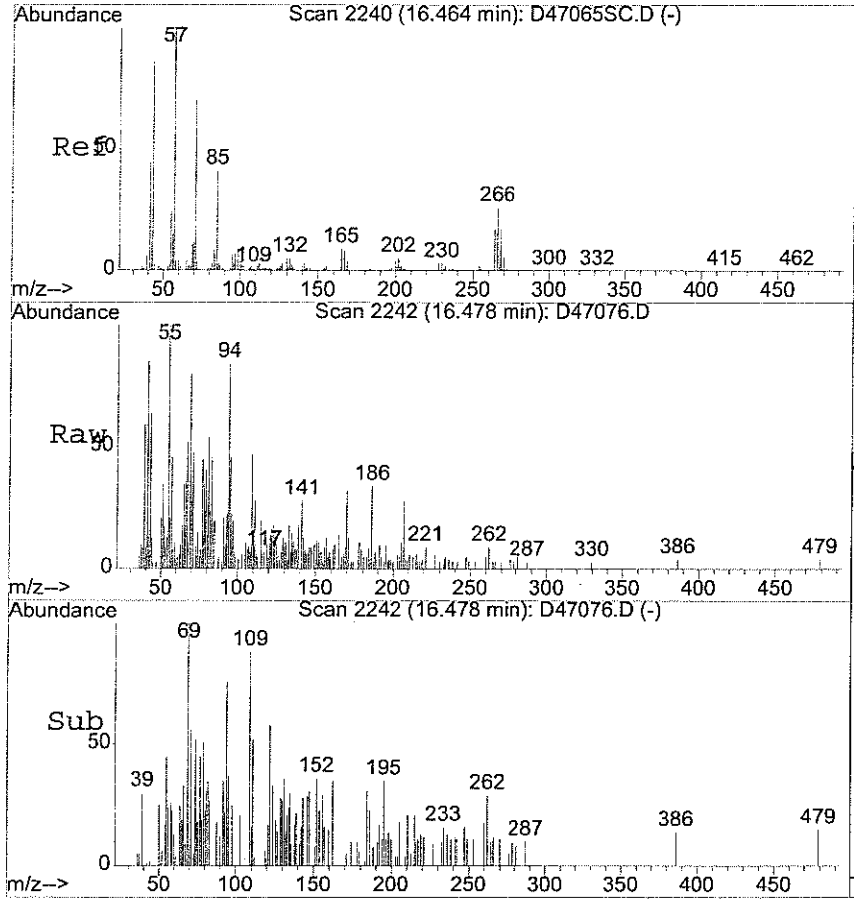


#56
4,6-Dinitro-2-methylphenol
Concen: 4.20 ug/ml
RT: 14.73 min Scan# 1982
Delta R.T. -0.00 min
Lab File: D47076.D
Acq: 26 Apr 2006 3:45 am

Tgt Ion:198 Resp: 50

Ion	Ratio	Lower	Upper
198	100		
121	358.0	26.6	39.8#

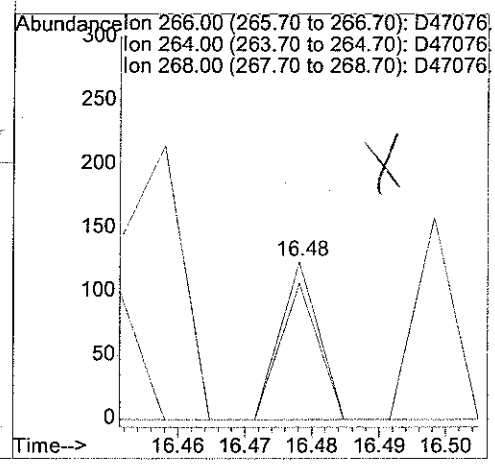


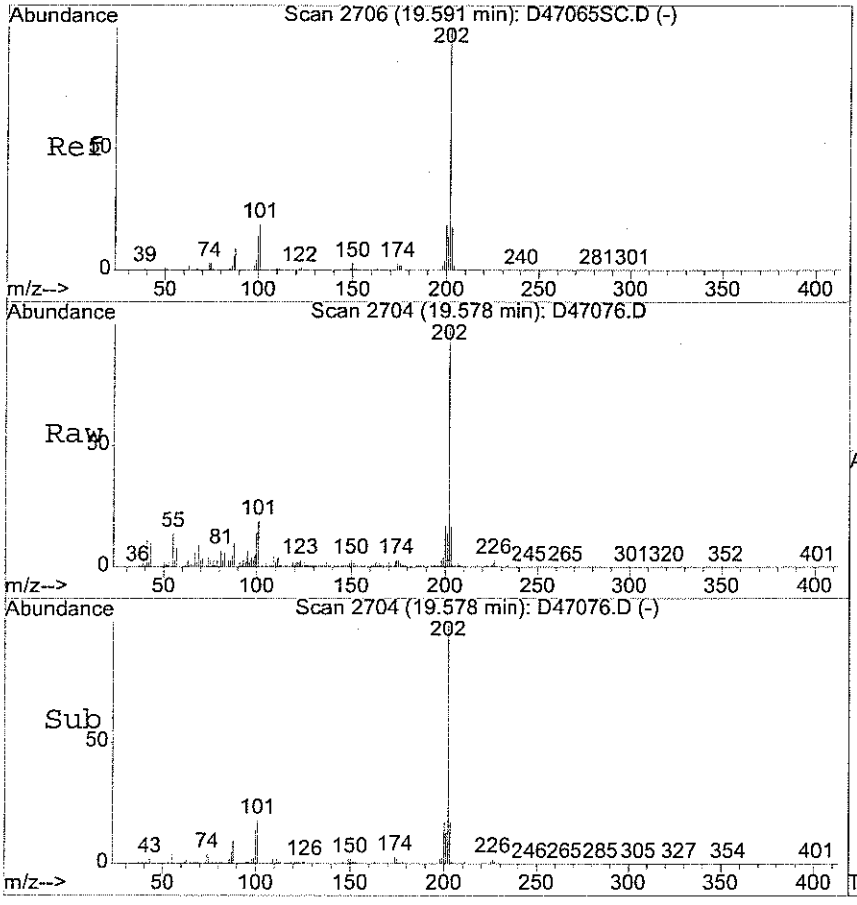


#64
Pentachlorophenol
Concen: 6.17 ug/ml
RT: 16.48 min Scan# 2242
Delta R.T. -0.01 min
Lab File: D47076.D
Acq: 26 Apr 2006 3:45 am

Tgt Ion:266 Resp: 50

Ion	Ratio	Lower	Upper
266	100		
264	86.0	50.3	75.5#
268	0.0	51.0	76.4#

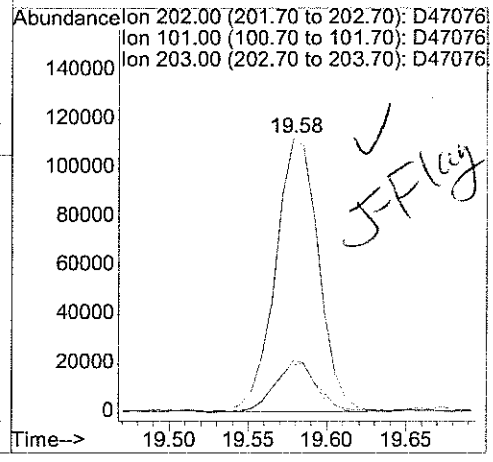




#69
Fluoranthene
Concen: 4.76 ug/ml
RT: 19.58 min Scan# 2704
Delta R.T. -0.03 min
Lab File: D47076.D
Acq: 26 Apr 2006 3:45 am

Tgt Ion:202 Resp: 214305

Ion	Ratio	Lower	Upper
202	100		
101	17.9	13.9	20.9
203	17.6	13.8	20.8



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April 27, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number:

Field Sample ID: NSB-NLON-SITE7-CS-SL-EXS-SWS-13

SAMPLE DATA

Lab Sample ID: 56323-10
Matrix: Solid
Percent Solid: 89
Dilution Factor: 1.1
Collection Date: 04/21/06
Lab Receipt Date: 04/21/06
Extraction Date: 04/24/06
Analysis Date: 04/26/06

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	270	U
Acenaphthylene	270	U
Acenaphthene	270	U
Fluorene	270	U
Phenanthrene	270	U
Anthracene	270	U
Fluoranthene	270	U
Pyrene	270	U
Benzo[a]anthracene	270	U
Chrysene	270	U
Benzo[b] fluoranthene	270	U
Benzo[k] fluoranthene	270	U
Benzo[a] pyrene	270	U
Dibenz [a,h] anthracene	270	U
Benzo(g,h,i) perylene	270	U
Indeno [1,2,3-cd] pyrene	270	U
2-Methylnaphthalene	270	U

Surrogate Standard Recovery

d5-nitrobenzene	66 %	2-Fluorobiphenyl	79 %	d14-p-terphenyl	70 %

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042506-D\D47077.D Vial: 14
Acq On : 26 Apr 2006 4:18 am Operator:
Sample : 56323-10 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:40 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Tue Apr 25 23:18:57 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.84	152	624975	40.00	ug/ml	0.00
19) d8-Naphthalene	8.76	136	2315890	40.00	ug/ml	-0.02
35) d10-Acenaphthene	13.06	164	1078801	40.00	ug/ml	-0.02
61) d10-Phenanthrene	16.63	188	1775323	40.00	ug/ml	-0.03
71) d12-Chrysene	23.10	240	1961343	40.00	ug/ml	-0.03
79) d12-Perylene	27.14	264	982433	40.00	ug/ml	-0.06
System Monitoring Compounds						
4) 2-Fluorophenol	3.58	112	975311	48.40	ug/ml	-0.01
Spiked Amount 75.000	Range 29 - 97		Recovery = 64.53%			
5) d5-Phenol	5.48	99	1393196	55.63	ug/ml	-0.04
Spiked Amount 75.000	Range 40 - 120		Recovery = 74.17%			
20) d5-nitrobenzene	7.16	82	869714	32.78	ug/ml	-0.02
Spiked Amount 50.000	Range 20 - 101		Recovery = 65.56%			
39) 2-Fluorobiphenyl	11.46	172	1327586	39.43	ug/ml	-0.03
Spiked Amount 50.000	Range 34 - 102		Recovery = 78.86%			
60) 2,4,6-Tribromophenol	15.05	330	430458	74.05	ug/ml	-0.03
Spiked Amount 75.000	Range 36 - 141		Recovery = 98.73%			
73) d14-p-terphenyl	20.59	244	1442473	35.16	ug/ml	-0.03
Spiked Amount 50.000	Range 38 - 108		Recovery = 70.32%			

Target Compounds					Qvalue
~~47)~~ 2,4-dinitrophenol	13.40	184	151	~~5.98 ug/ml#~~	22
~~56)~~ 4,6-Dinitro-2-methylphenol	14.69	198	52	~~4.20 ug/ml#~~	1
~~64)~~ Pentachlorophenol	16.51	266	61	~~6.17 ug/ml#~~	53
~~70)~~ Benzidine	20.00	184	714	~~Below Cal #~~	1

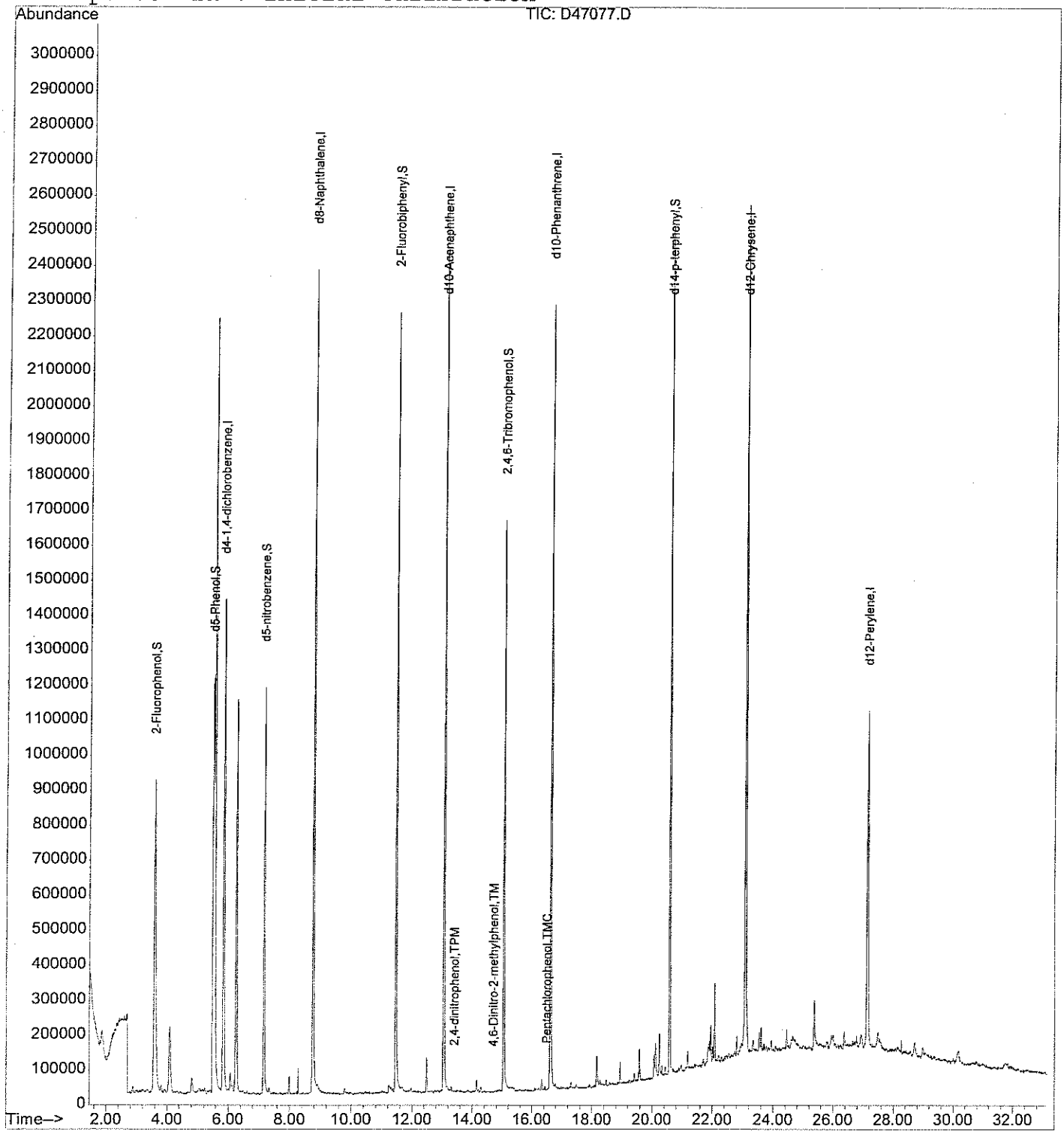
Wt(g)=30.74
%Sol=88.80
DF=1.1

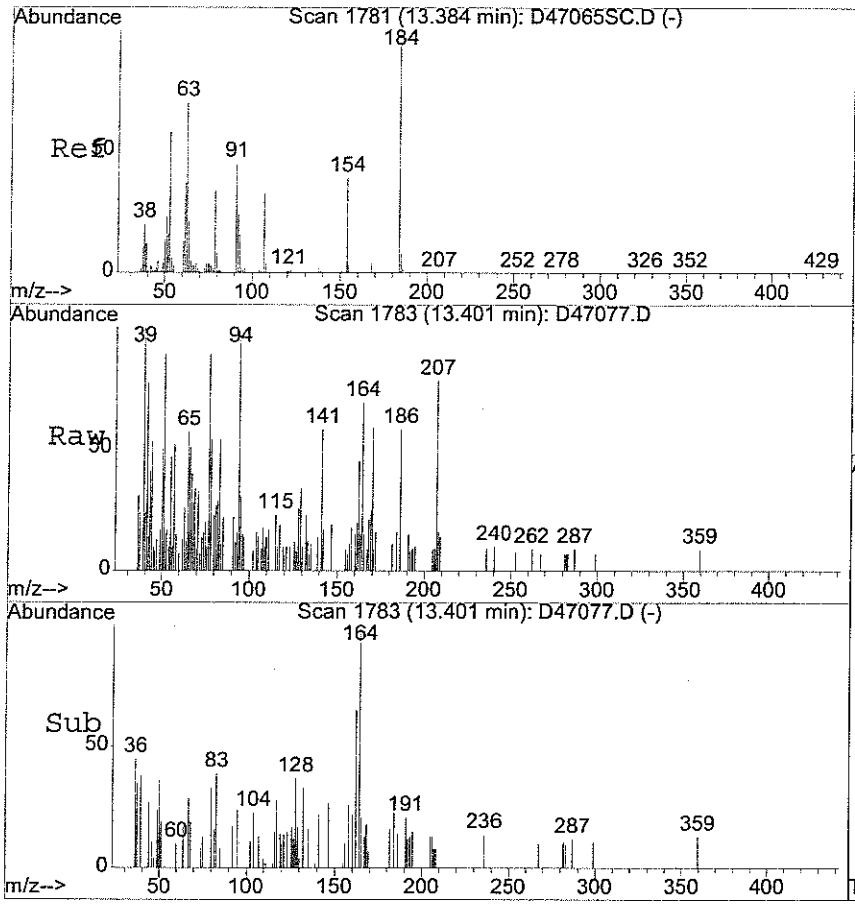
(#) = qualifier out of range (m) = manual integration
D47077.D S04036.M Wed Apr 26 09:03:52 2006 Page 1

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042506-D\D47077.D Vial: 14
Acq On : 26 Apr 2006 4:18 am Operator:
Sample : 56323-10 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:40 2006 Quant Results File: S04036.RES

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Tue Apr 25 23:18:57 2006
Response via : Initial Calibration

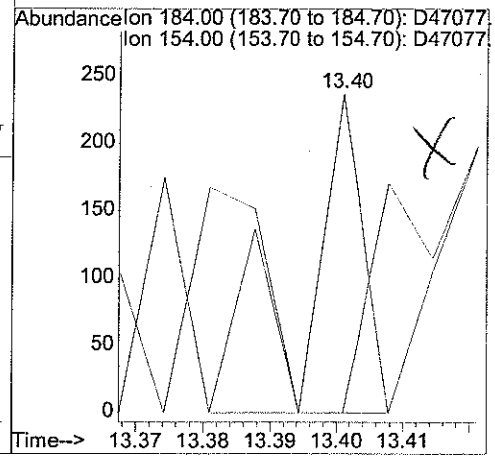


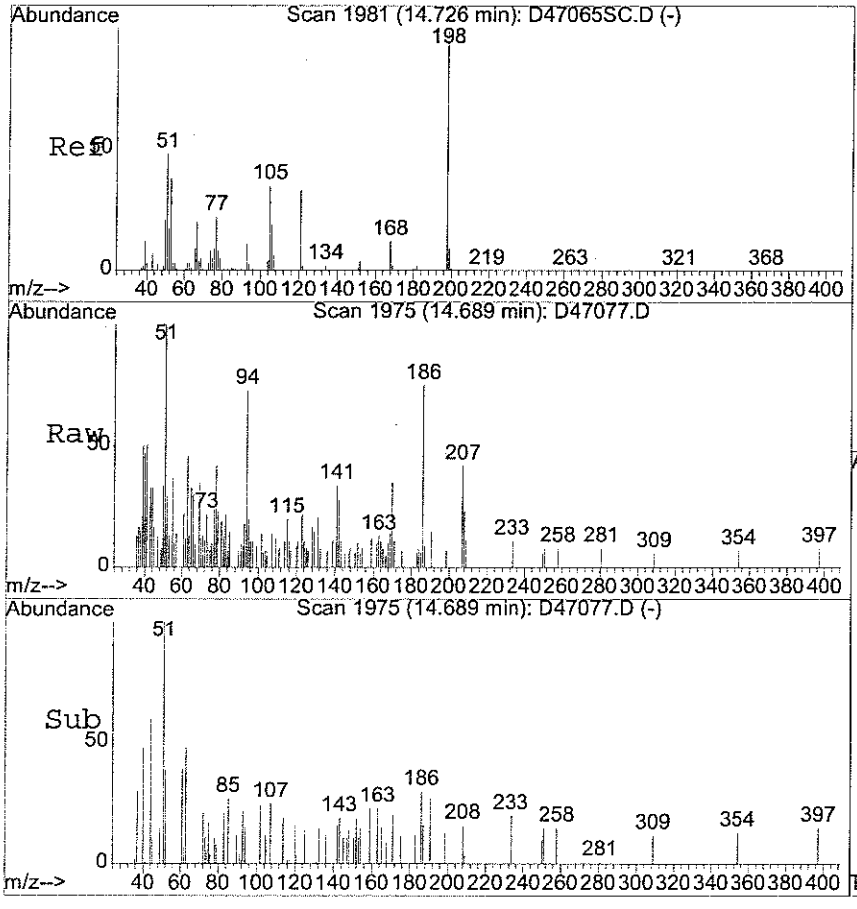


#47
2,4-dinitrophenol
Concen: 5.98 ug/ml
RT: 13.40 min Scan# 1783
Delta R.T. 0.01 min
Lab File: D47077.D
Acq: 26 Apr 2006 4:18 am

Tgt Ion:184 Resp: 151

Ion	Ratio	Lower	Upper
184	100		
154	85.4	30.6	46.0#

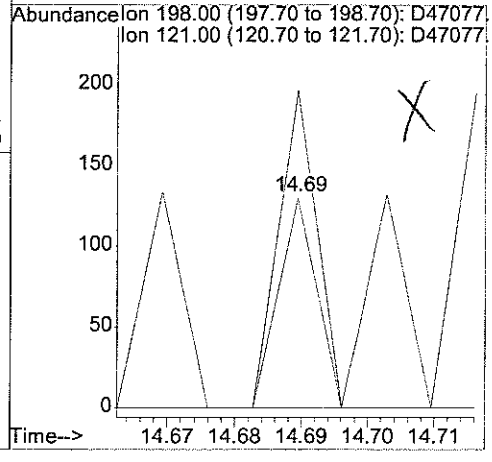


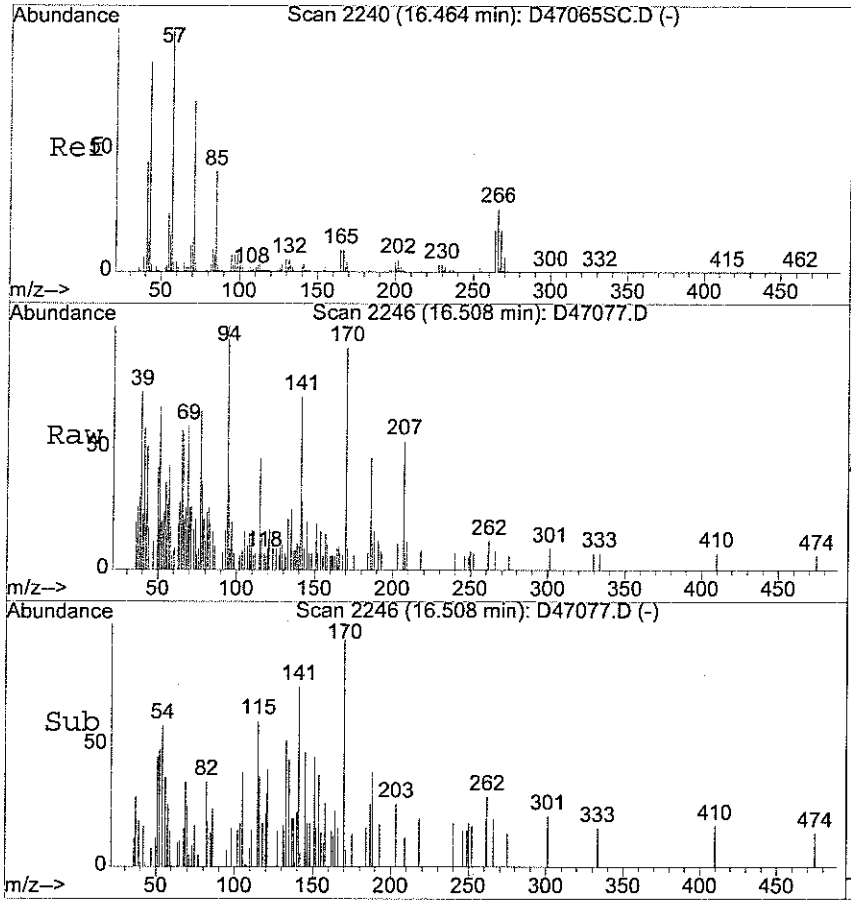


#56
4,6-Dinitro-2-methylphenol
Concen: 4.20 ug/ml
RT: 14.69 min Scan# 1975
Delta R.T. -0.05 min
Lab File: D47077.D
Acq: 26 Apr 2006 4:18 am

Tgt Ion:198 Resp: 52

Ion	Ratio	Lower	Upper
198	100		
121	151.9	26.6	39.8#

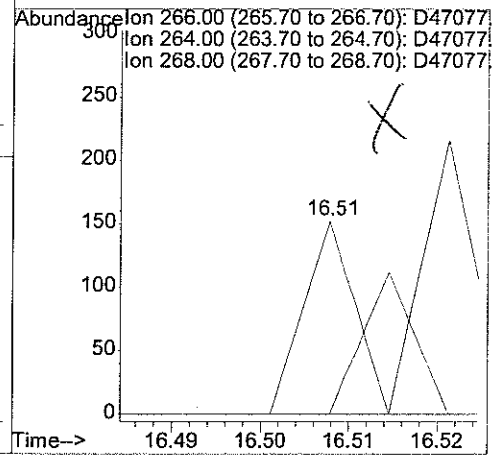




#64
Pentachlorophenol
Concen: 6.17 ug/ml
RT: 16.51 min Scan# 2246
Delta R.T. 0.02 min
Lab File: D47077.D
Acq: 26 Apr 2006 4:18 am

Tgt Ion:266 Resp: 61

Ion	Ratio	Lower	Upper
266	100		
264	0.0	50.3	75.5#
268	73.8	51.0	76.4



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April 27, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number:

Field Sample ID: NSB-NLON-SITE7-CS-SL-EXS-SWW-14

SAMPLE DATA

Lab Sample ID: 56323-11
Matrix: Solid
Percent Solid: 89
Dilution Factor: 1.1
Collection Date: 04/21/06
Lab Receipt Date: 04/21/06
Extraction Date: 04/24/06
Analysis Date: 04/26/06

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	270	U
Acenaphthylene	270	U
Acenaphthene	270	U
Fluorene	270	U
Phenanthrene	270	U
Anthracene	270	U
Fluoranthene	270	U
Pyrene	270	U
Benzo[a]anthracene	270	U
Chrysene	270	U
Benzo[b] fluoranthene	270	U
Benzo[k] fluoranthene	270	U
Benzo[a] pyrene	270	U
Dibenz [a,h] anthracene	270	U
Benzo(g,h,i) perylene	270	U
Indeno [1,2,3-cd] pyrene	270	U
2-Methylnaphthalene	270	U

Surrogate Standard Recovery

d5-nitrobenzene	69 %	2-Fluorobiphenyl	85 %	d14-p-terphenyl	71 %

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042506-D\D47078.D Vial: 15
Acq On : 26 Apr 2006 4:51 am Operator:
Sample : 56323-11 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:41 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Tue Apr 25 23:18:57 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4-26-06 SL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.84	152	643874	40.00	ug/ml	0.00
19) d8-Naphthalene	8.77	136	2398092	40.00	ug/ml	-0.02
35) d10-Acenaphthene	13.06	164	1058027	40.00	ug/ml	-0.02
61) d10-Phenanthrene	16.63	188	1836874	40.00	ug/ml	-0.02
71) d12-Chrysene	23.10	240	1996251	40.00	ug/ml	-0.02
79) d12-Perylene	27.15	264	904969	40.00	ug/ml	-0.06
System Monitoring Compounds						
4) 2-Fluorophenol	3.58	112	1076248	51.84	ug/ml	-0.02
Spiked Amount 75.000	Range 29 - 97		Recovery = 69.12%			
5) d5-Phenol	5.49	99	1572835	60.96	ug/ml	-0.04
Spiked Amount 75.000	Range 40 - 120		Recovery = 81.28%			
20) d5-nitrobenzene	7.16	82	941429	34.26	ug/ml	-0.02
Spiked Amount 50.000	Range 20 - 101		Recovery = 68.52%			
39) 2-Fluorobiphenyl	11.46	172	1405349	42.56	ug/ml	-0.02
Spiked Amount 50.000	Range 34 - 102		Recovery = 85.12%			
60) 2,4,6-Tribromophenol	15.05	330	438448	76.90	ug/ml	-0.03
Spiked Amount 75.000	Range 36 - 141		Recovery = 102.53%			
73) d14-p-terphenyl	20.59	244	1484882	35.56	ug/ml	-0.03
Spiked Amount 50.000	Range 38 - 108		Recovery = 71.12%			
Target Compounds						Qvalue
~~47)~~ 2,4-dinitrophenol	13.40	184	359	~~6.02 ug/ml#~~		65
~~56)~~ 4,6-Dinitro-2-methylphenol	14.78	198	44	~~4.20 ug/ml#~~		1
~~64)~~ Pentachlorophenol	16.50	266	54	~~6.17 ug/ml#~~		1
~~70)~~ Benzidine	20.01	184	323	~~Below Cal #~~		1

Wt(g) = 30.84
%sol = 89.36
DF = 1.1 1.09

DL = 273 ug/kg

D42706

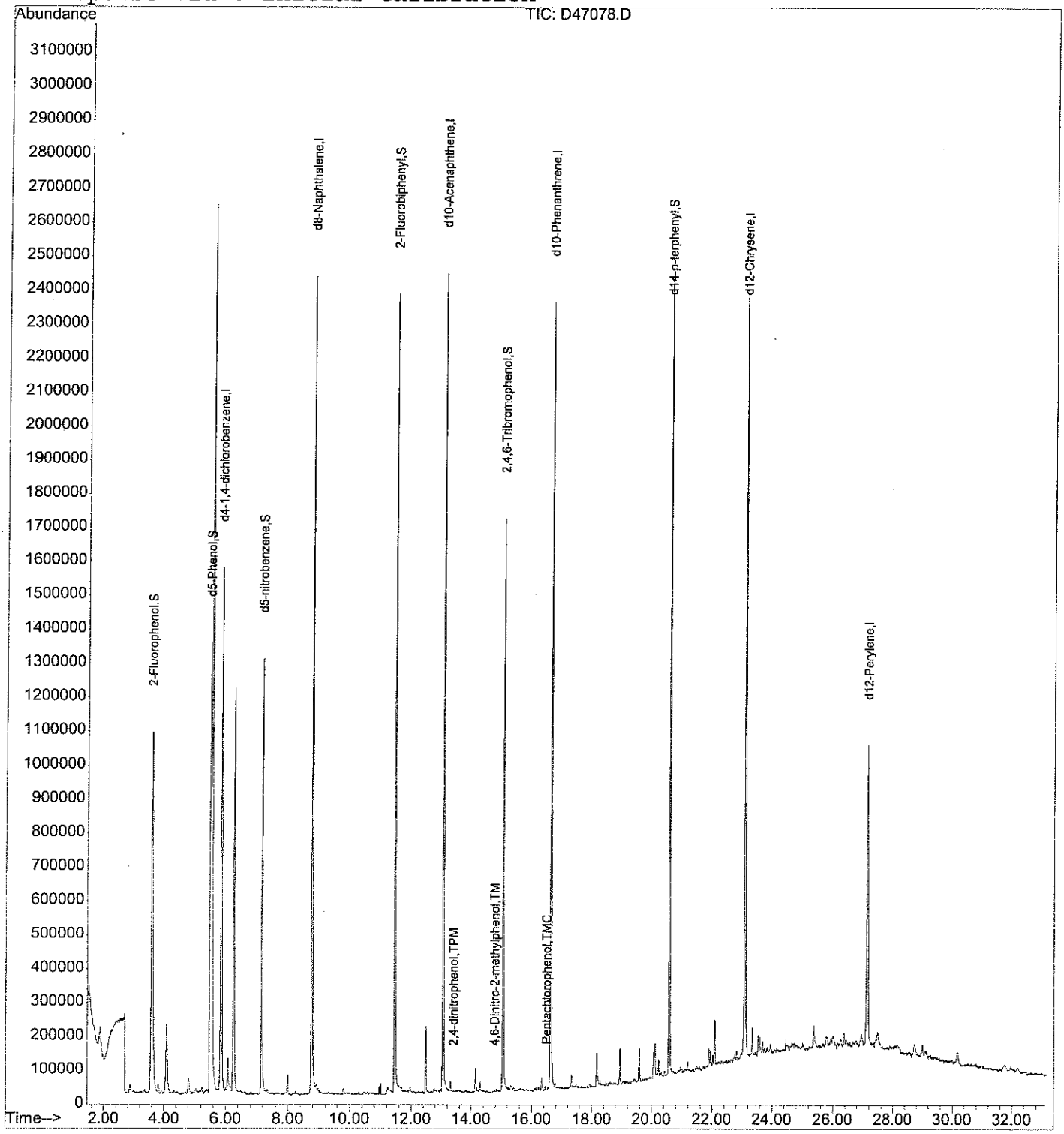
nd

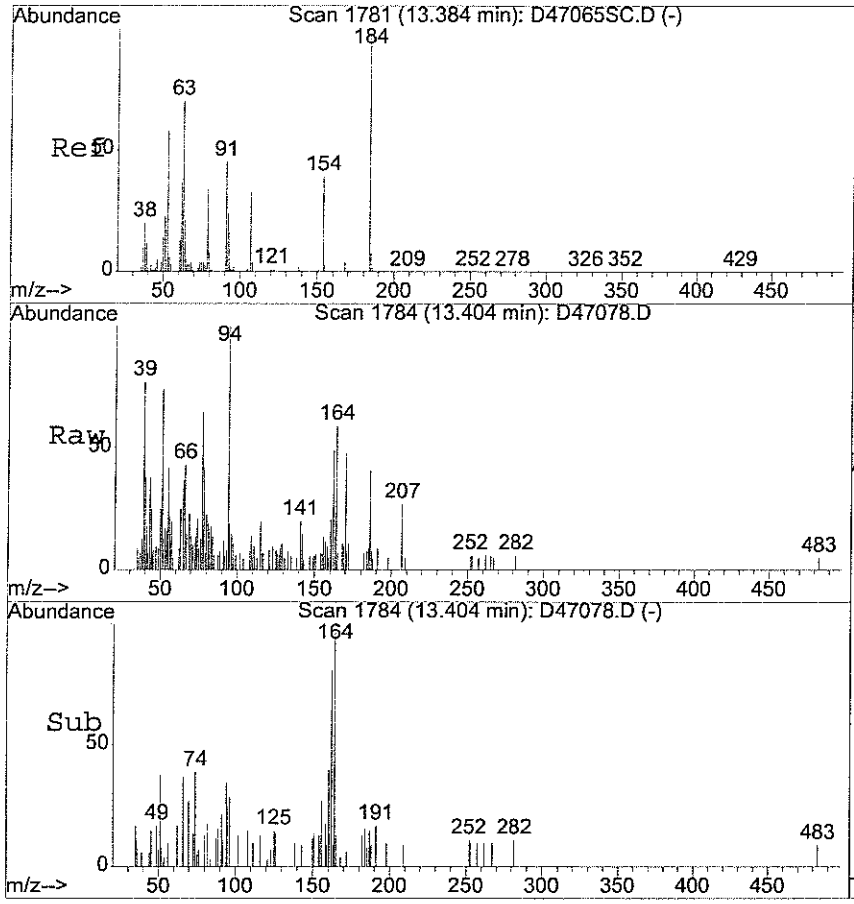
(#) = qualifier out of range (m) = manual integration
D47078.D S04036.M Wed Apr 26 09:04:30 2006 Page 1

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042506-D\D47078.D Vial: 15
Acq On : 26 Apr 2006 4:51 am Operator:
Sample : 56323-11 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:41 2006 Quant Results File: S04036.RES

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Tue Apr 25 23:18:57 2006
Response via : Initial Calibration

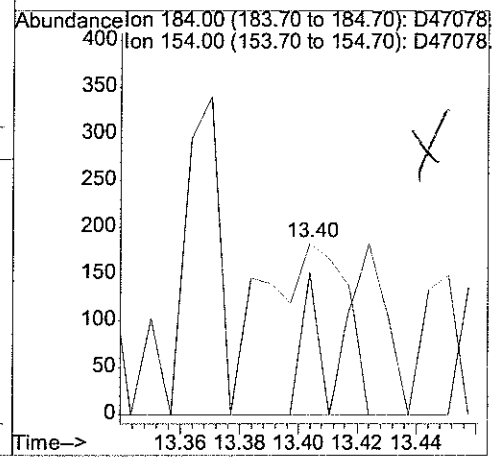


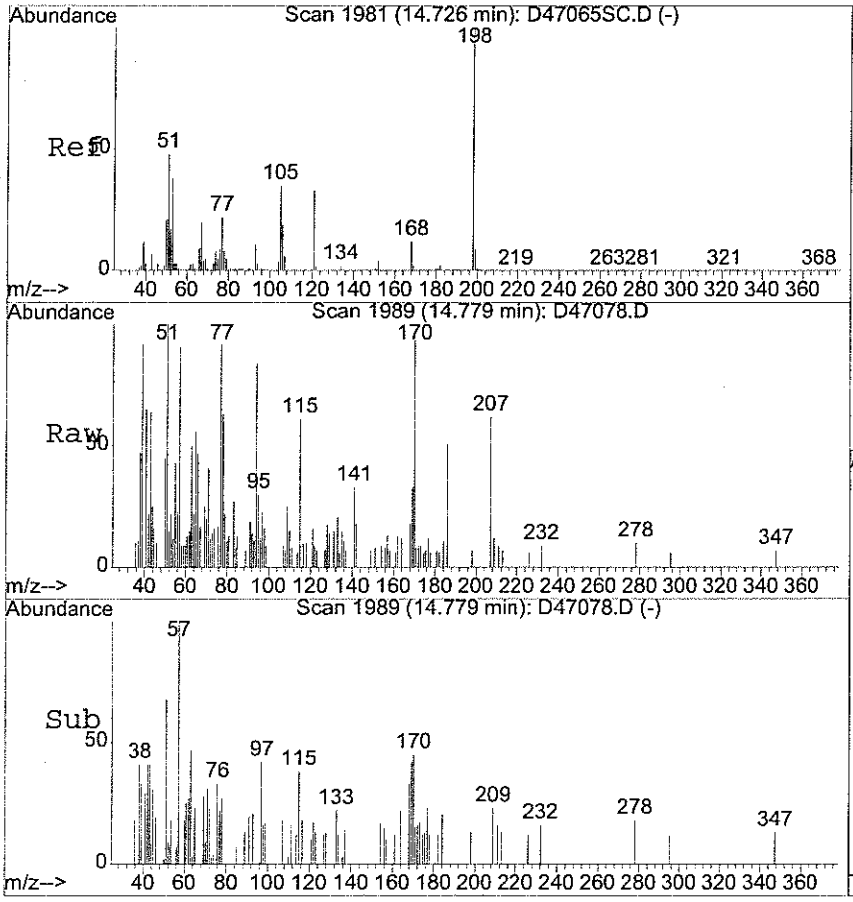


#47
2,4-dinitrophenol
Concen: 6.02 ug/ml
RT: 13.40 min Scan# 1784
Delta R.T. 0.01 min
Lab File: D47078.D
Acq: 26 Apr 2006 4:51 am

Tgt Ion:184 Resp: 359

Ion	Ratio	Lower	Upper
184	100		
154	17.0	30.6	46.0#

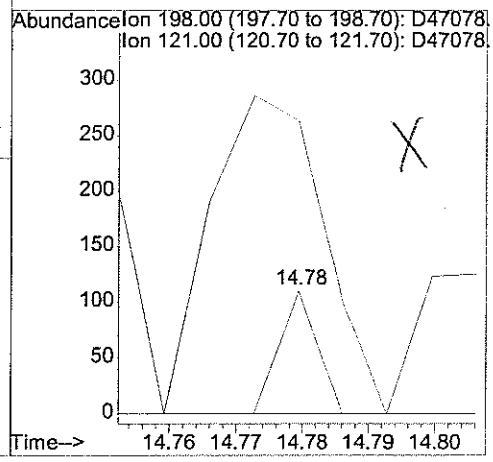


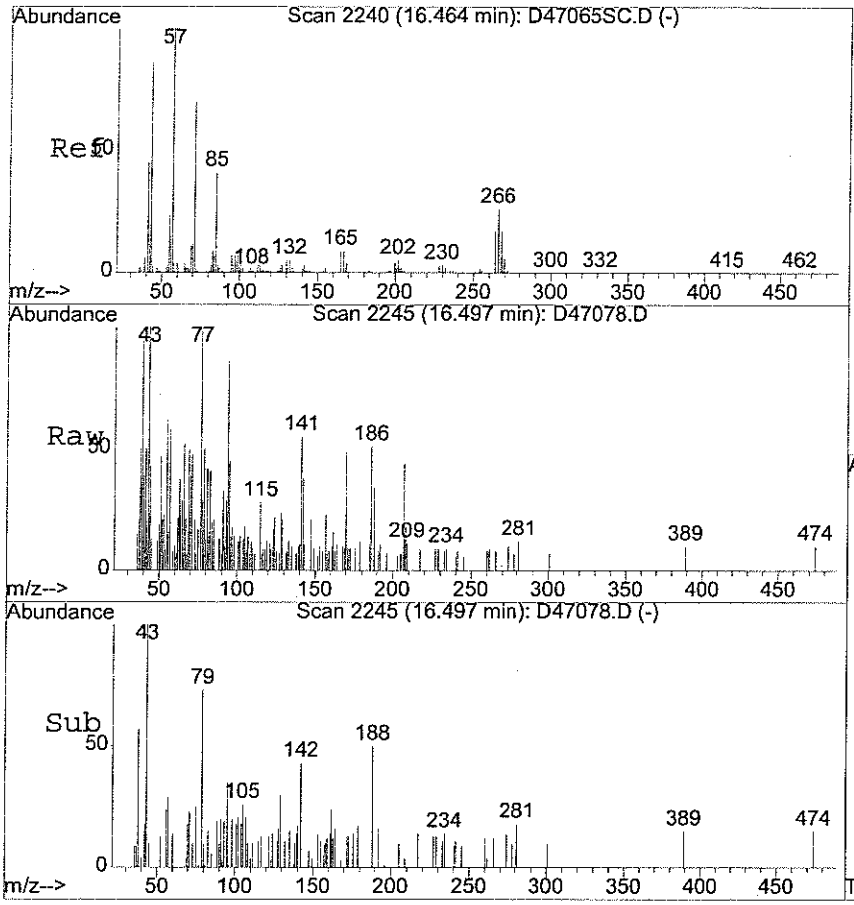


#56
4,6-Dinitro-2-methylphenol
Concen: 4.20 ug/ml
RT: 14.78 min Scan# 1989
Delta R.T. 0.04 min
Lab File: D47078.D
Acq: 26 Apr 2006 4:51 am

Tgt Ion:198 Resp: 44

Ion	Ratio	Lower	Upper
198	100		
121	768.2	26.6	39.8#

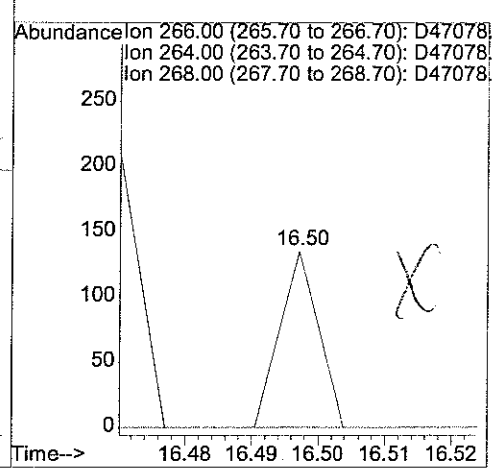




#64
Pentachlorophenol
Concen: 6.17 ug/ml
RT: 16.50 min Scan# 2245
Delta R.T. 0.01 min
Lab File: D47078.D
Acq: 26 Apr 2006 4:51 am

Tgt Ion:266 Resp: 54

Ion	Ratio	Lower	Upper
266	100		
264	253.7	50.3	75.5#
268	0.0	51.0	76.4#



Analytics environmental laboratory LLC

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

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100

April 27, 2006

CLIENT SAMPLE ID

Project Name: Subbase Groton Site 7

Project Number:

Field Sample ID: NSB-NLON-SITE7-CS-SL-EXS-SWW-14

SAMPLE DATA

Lab Sample ID:	56323-12
Matrix:	Solid
Percent Solid:	95
Dilution Factor:	1.0
Collection Date:	04/21/06
Lab Receipt Date:	04/21/06
Extraction Date:	04/24/06
Analysis Date:	04/26/06

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	260	U
Acenaphthylene	260	U
Acenaphthene	260	U
Fluorene	260	U
Phenanthrene	260	U
Anthracene	260	U
Fluoranthene	260	U
Pyrene	260	U
Benzo[a]anthracene	260	U
Chrysene	260	U
Benzo[b] fluoranthene	260	U
Benzo[k] fluoranthene	260	U
Benzo[a] pyrene	260	U
Dibenz [a,h] anthracene	260	U
Benzo(g,h,i) perylene	260	U
Indeno [1,2,3-cd] pyrene	260	U
2-Methylnaphthalene	260	U

Surrogate Standard Recovery

d5-nitrobenzene	76 %	2-Fluorobiphenyl	87 %	d14-p-terphenyl	81 %

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature

PAH Report

Quantitation Report (Not Reviewed)

PM 4/26/06

Data File : D:\HPCHEM\1\DATA\042506-D\D47071.D
Acq On : 26 Apr 2006 12:09 am
Sample : 56323-12 PPHS
Misc : SOIL
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:40 2006

Vial: 8
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Tue Apr 25 23:18:57 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4-26-06 SL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.84	152	681356	40.00 ug/ml	0.00
19) d8-Naphthalene	8.77	136	2482460	40.00 ug/ml	-0.02
35) d10-Acenaphthene	13.06	164	1143783	40.00 ug/ml	-0.02
61) d10-Phenanthrene	16.63	188	1922541	40.00 ug/ml	-0.02
71) d12-Chrysene	23.09	240	1878040	40.00 ug/ml	-0.03
79) d12-Perylene	27.15	264	1542457	40.00 ug/ml	-0.06

System Monitoring Compounds

4) 2-Fluorophenol	3.57	112	1233503	56.15 ug/ml	-0.02
Spiked Amount 75.000	Range 29 - 97		Recovery =	74.87%	
5) d5-Phenol	5.48	99	1738035	63.66 ug/ml	-0.04
Spiked Amount 75.000	Range 40 - 120		Recovery =	84.88%	
20) d5-nitrobenzene	7.16	82	1082699	38.07 ug/ml	-0.02
Spiked Amount 50.000	Range 20 - 101		Recovery =	76.14%	
39) 2-Fluorobiphenyl	11.46	172	1548997	43.40 ug/ml	-0.02
Spiked Amount 50.000	Range 34 - 102		Recovery =	86.80%	
60) 2,4,6-Tribromophenol	15.05	330	467967	75.92 ug/ml	-0.03
Spiked Amount 75.000	Range 36 - 141		Recovery =	101.23%	
73) d14-p-terphenyl	20.59	244	1599162	40.71 ug/ml	-0.03
Spiked Amount 50.000	Range 38 - 108		Recovery =	81.42%	

Target Compounds					Qvalue
~~47)~~ 2,4-dinitrophenol	13.40	184	116	~~5.98 ug/ml#~~	51
~~56)~~ 4,6-Dinitro-2-methylphenol	14.71	198	54	~~4.20 ug/ml#~~	1
~~64)~~ Pentachlorophenol	16.48	266	43	~~6.17 ug/ml#~~	1
~~70)~~ Benzidine	20.04	184	474	~~Below Cal #~~	50

wt(g)=30.85
%sol=94.79
DF=1.0 1.03

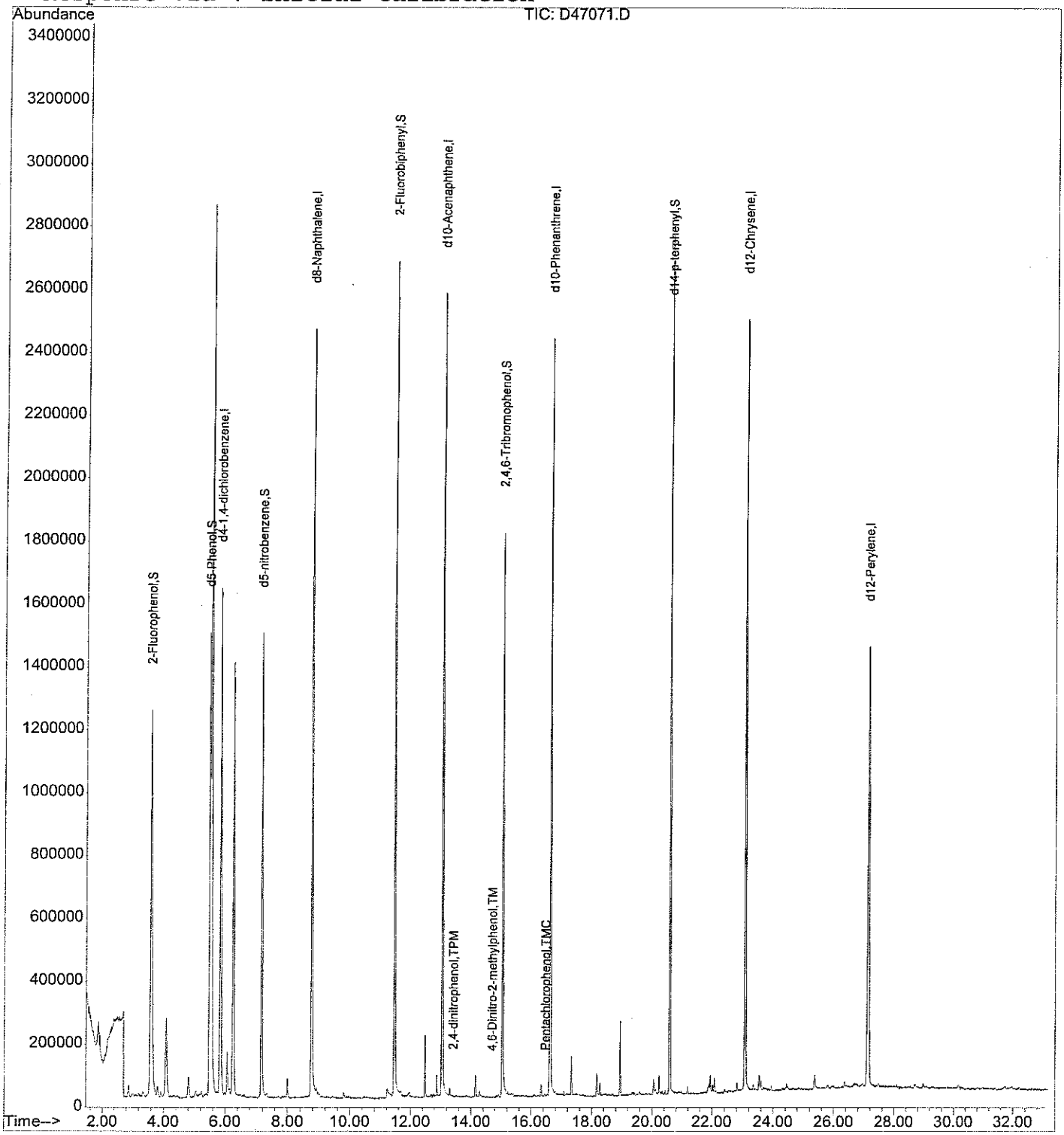
DL=258 ug/kg

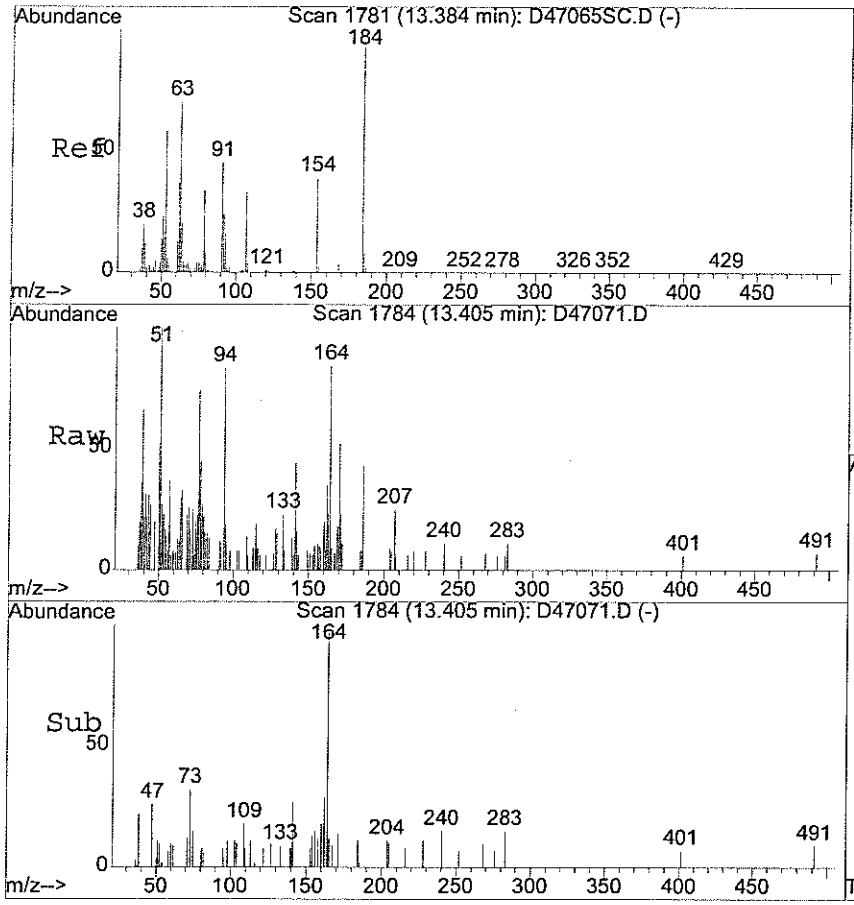
nld

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042506-D\D47071.D Vial: 8
Acq On : 26 Apr 2006 12:09 am Operator:
Sample : 56323-12 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:40 2006 Quant Results File: S04036.RES

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Tue Apr 25 23:18:57 2006
Response via : Initial Calibration

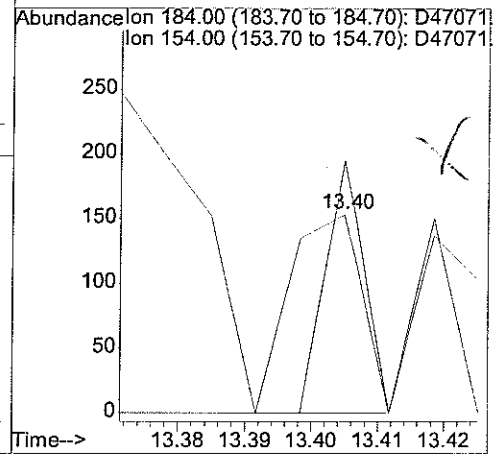


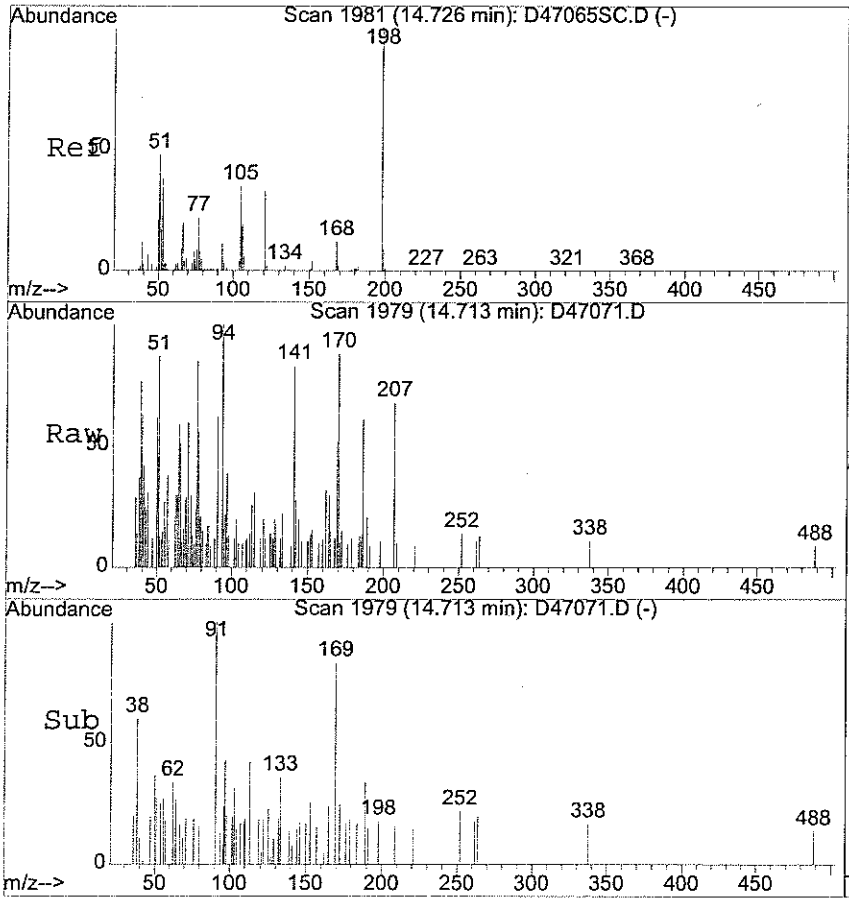


#47
2,4-dinitrophenol
Concen: 5.98 ug/ml
RT: 13.40 min Scan# 1784
Delta R.T. 0.01 min
Lab File: D47071.D
Acq: 26 Apr 2006 12:09 am

Tgt Ion:184 Resp: 116

Ion	Ratio	Lower	Upper
184	100		
154	68.1	30.6	46.0#

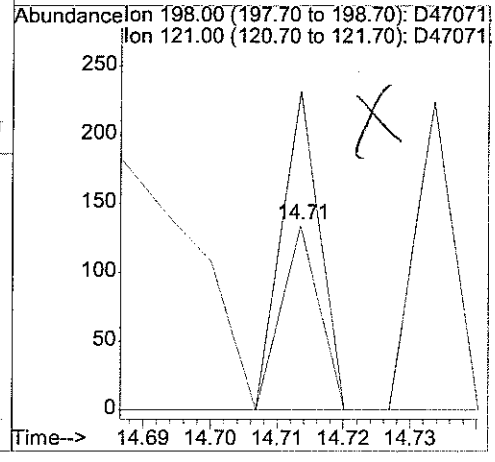


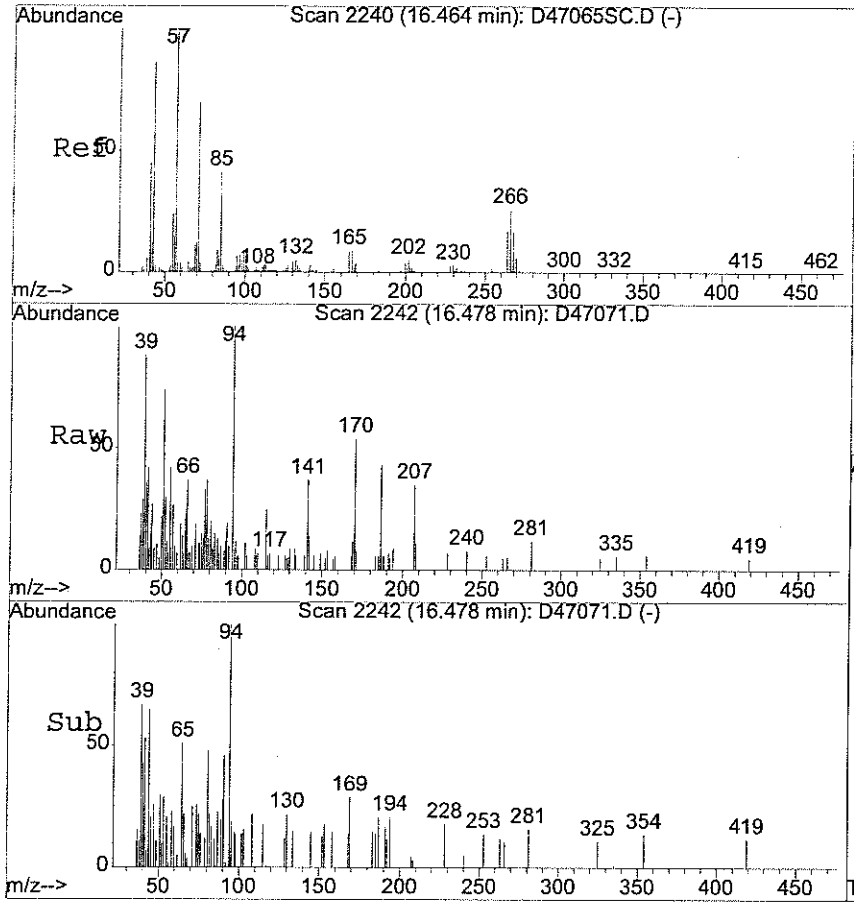


#56
4,6-Dinitro-2-methylphenol
Concen: 4.20 ug/ml
RT: 14.71 min Scan# 1979
Delta R.T. -0.02 min
Lab File: D47071.D
Acq: 26 Apr 2006 12:09 am

Tgt Ion:198 Resp: 54

Ion	Ratio	Lower	Upper
198	100		
121	172.2	26.6	39.8#

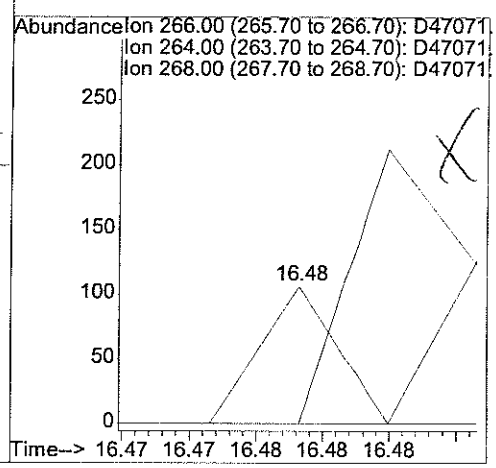




#64
Pentachlorophenol
Concen: 6.17 ug/ml
RT: 16.48 min Scan# 2242
Delta R.T. -0.01 min
Lab File: D47071.D
Acq: 26 Apr 2006 12:09 am

Tgt Ion:266 Resp: 43

Ion	Ratio	Lower	Upper
266	100		
264	311.6	50.3	75.5#
268	0.0	51.0	76.4#



analytics environmental laboratory LLC

SEMI-VOLATILE
QC FORMS

AnalyticsLLC:AEL Documents LLC:Pkg Dividers:SVOCQC.doc

SEMI-VOLATILE ORGANIC SOLID
SYSTEM MONITORING COMPOUNDS
SUMMARY

Project #: | Quote #: NA | SDG#: 56323

DFTPP File ID: D46728T.D | Site ID: Subbase Groton Site 7 | Location: CT

Instrument ID: D | DFTPP Injection Date: 4/3/06

GC Column: RTX-5MS | ID: 0.25(mm) | DFTPP Injection Time: 1335

	SAMPLE ID	SMC1 #	SMC 2#	SMC 3 #	SMC 4 #	SMC 5 #	SMC 6 #	TOT OUT
01	ZZZZZ	NA	NA	NA	NA	NA	NA	0
02	S6745 ABN PT 1	NA	NA	NA	NA	NA	NA	0
03	S6744 ABN PT 2A	NA	NA	NA	NA	NA	NA	0
04	S6743 ABN PT 2	NA	NA	NA	NA	NA	NA	0
05	S6742 ABN PT 3	52	53	80	83	56	81	0
06	S6741 ABN PT 4A	NA	NA	NA	NA	NA	NA	0
07	S6740 ABN PT 4	NA	NA	NA	NA	NA	NA	0
08	S6739 ABN PT 5	NA	NA	NA	NA	NA	NA	0
09	S6703 ABN CC 20/40	NA	NA	NA	NA	NA	NA	0
10	S6690 BENZ/ANA C	NA	NA	NA	NA	NA	NA	0
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								

	QC LIMITS
SMC1 = 2-Fluorophenol	29-97 %
SMC2 = d5-Phenol	40-120 %
SMC3 = d5-Nitrobenzene	20-101%
SMC4 = 2-Fluorobiphenyl	34-102 %
SMC5 = 2,4,6-Tribromophenol	36-141 %
SMC6 = d14-p-Terphenyl	38-108%

\# Column to be used to flag recovery values

* Values outside of protocol required QC limits

D System Monitoring Compound diluted out

analytics environmental laboratory LLC

SEMI-VOLATILE ORGANIC SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Project #: Quote #: NA SDG#: 56323

DFTPP File ID: D47030T.D Site ID: Subbase Groton Site 7 Location: CT

Instrument ID: D DFTPP Injection Date: 4/24/06

GC Column: RTX-5MS ID: 0.25(mm) DFTPP Injection Time: 2100

	SAMPLE ID	SMC1 #	SMC 2 #	SMC 3 #	SMC 4 #	SMC 5 #	SMC 6 #	TOT OUT
01	S6749 PT3 20/40	59	61	84	82	62	81	0
02	S6760 BENZIDINES + ANILINES	NA	NA	NA	NA	NA	NA	0
03	S6761 PT3 20/40	59	60	82	84	61	83	0
04	B04246AS	73	81	74	86	100	87	0
05	L04246AS	73	84	76	88	100	83	0
06	LD04246AS	72	82	73	83	98	84	0
07	56323-1	77	85	75	87	102	78	0
08	56323-2	67	79	70	80	103	80	0
09	56323-3	71	83	71	84	100	78	0
10	56323-4	63	71	63	75	91	69	0
11	56323-5	75	86	78	88	102	74	0
12	56323-6	63	75	68	79	95	77	0
13	ZZZZZ	62	76	67	80	94	81	0
14	ZZZZZ	71	80	71	83	103	84	0
15	ZZZZZ	70	79	70	83	102	80	0
16	ZZZZZ	64	74	65	79	103	82	0
17	ZZZZZ	69	81	69	82	100	80	0
18	ZZZZZ	75	85	78	89	106	85	0
19	ZZZZZ	72	87	74	83	103	86	0
20	ZZZZZ	75	87	75	87	104	85	0
21								
22								
23								
24								
25								
26								

	QC LIMITS
SMC1 = 2-Fluorophenol	29-97 %
SMC2 = d5-Phenol	40-120 %
SMC3 = d5-Nitrobenzene	20-101%
SMC4 = 2-Fluorobiphenyl	34-102 %
SMC5 = 2,4,6-Tribromophenol	36-141 %
SMC6 = d14-p-Terphenyl	38-108%

Column to be used to flag recovery values

* Values outside of protocol required QC limits

D System Monitoring Compound diluted out

analytics environmental laboratory LLC

SEMI-VOLATILE ORGANIC SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Project #: Quote #: NA SDG#: 56323

DFTPP File ID: D47064T.D Site ID: Subbase Groton Site 7 Location: CT

Instrument ID: D DFTPP Injection Date: 4/25/06

GC Column: RTX-5MS ID: 0.25(mm) DFTPP Injection Time: 2031

	SAMPLE ID	SMC1 #	SMC 2 #	SMC 3 #	SMC 4 #	SMC 5 #	SMC 6 #	TOT OUT
01	S6761 PT3 20/40	62	63	82	85	61	77	0
02	S6760 BENZIDINES + ANILINES	NA	NA	NA	NA	NA	NA	6
03	ZZZZZ	54	40	77	82	92	86	0
04	ZZZZZ	57	43	86	79	82	28 *	1
05	B04216AS	72	81	72	82	96	81	0
06	ZZZZZ	71	83	71	80	95	77	0
07	56323-12	75	85	76	87	101	81	0
08	56323-12,MS	71	84	75	84	100	85	0
09	56323-12,MSD	76	88	77	86	100	83	0
10	56323-7	64	76	67	80	92	69	0
11	56323-8	73	83	73	86	103	72	0
12	56323-9	71	81	70	83	102	73	0
13	56323-10	65	74	66	79	99	70	0
14	56323-11	69	81	69	85	103	71	0
15	ZZZZZ	73	84	74	51	76	61	0
16	ZZZZZ	70	82	73	85	102	74	0
17	ZZZZZ	77	87	78	90	105	82	0
18	ZZZZZ	D	D	D	D	D	D	0
19	ZZZZZ	84	92	85	97	111	83	0
20								
21								
22								
23								
24								
25								
26								

	QC LIMITS
SMC1 = 2-Fluorophenol	29-97 %
SMC2 = d5-Phenol	40-120 %
SMC3 = d5-Nitrobenzene	20-101%
SMC4 = 2-Fluorobiphenyl	34-102 %
SMC5 = 2,4,6-Tribromophenol	36-141 %
SMC6 = d14-p-Terphenyl	38-108%

Column to be used to flag recovery values

* Values outside of protocol required QC limits

D System Monitoring Compound diluted out

analytics environmental laboratory LLC

SEMI-VOLATILE ORGANIC SOLID
LABORATORY CONTROL SPIKE/ DUPLICATE
PERCENT RECOVERY

Project #: SDG# 56323

DFTPP File ID: D47030T.D Site ID: Subbase Groton Site 7 Location: CT

Instrument ID: D DFTPP Injection Date: 4/24/06

GC Column: RTX-5MS ID: 0.25(mm) DFTPP Injection Time: 2100

Laboratory Control Spike/Duplicate Sample ID: L04246AS/LD04246AS

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE AMT (ug/kg)	LCS CONC. (ug/kg)	LCS REC %	#	LCSD CONC. (ug/kg)	LCSD REC %	#	RPD	#	QC LIMITS RPD	
Acenaphthene	1333	U	1069	80		1038	78		3		19	55-96
Acenaphthylene	1333	U	1111	83		1080	81		3		25	54-97
Anthracene	1333	U	1126	84		1174	88		4		25	60-107
Benzo[a]anthracene	1333	U	1208	91		1227	92		2		25	59-110
Benzo[a] pyrene	1333	U	1211	91		1263	95		4		25	62-111
Benzo[b] fluoranthene	1333	U	1193	89		1168	88		2		25	57-114
Benzo(g,h,i) perylene	1333	U	1214	91		1208	91		0		25	61-122
Benzo[k] fluoranthene	1333	U	1222	92		1225	92		0		25	58-111
Chrysene	1333	U	1136	85		1168	88		3		25	60-109
Dibenz [a,h] anthracene	1333	U	1256	94		1230	92		2		25	69-122
Fluoranthene	1333	U	1198	90		1234	93		3		25	65-114
Fluorene	1333	U	1101	83		1076	81		2		25	60-101
Indeno [1,2,3-cd] pyrene	1333	U	1229	92		1241	93		1		25	62-123
2-Methylnaphthalene	1333	U	1060	80		1032	77		3		25	60-120
Naphthalene	1333	U	1018	76		1001	75		2		25	42-95
Phenanthrene	1333	U	1112	83		1162	87		4		47	59-103
Pyrene	1333	U	1129	85		1130	85		0		35	52-110

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 17 outside limits
Spike Recovery: 0 out of 34 outside limits
Comments: _____

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042406-D\D47035Q.D Vial: 5
Acq On : 24 Apr 2006 12:14 am Operator:
Sample : L04246AS Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 25 8:32 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 24 23:13:39 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4/26/06 ✓ 4/25/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.85	152	720716	40.00	ug/ml	0.02
19) d8-Naphthalene	8.78	136	2550332	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.07	164	1174105	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.65	188	1987782	40.00	ug/ml	0.00
71) d12-Chrysene	23.10	240	1882031	40.00	ug/ml	0.00
79) d12-Perylene	27.17	264	1926226	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.58	112	1267509	54.55	ug/ml	0.00
Spiked Amount 75.000	Range 29 - 97		Recovery = 72.73%			
5) d5-Phenol	5.49	99	1829185	63.34	ug/ml	0.00
Spiked Amount 75.000	Range 40 - 120		Recovery = 84.45%			
20) d5-nitrobenzene	7.17	82	1117130	38.23	ug/ml	0.00
Spiked Amount 50.000	Range 20 - 101		Recovery = 76.46%			
39) 2-Fluorobiphenyl	11.48	172	1613574	44.04	ug/ml	0.00
Spiked Amount 50.000	Range 34 - 102		Recovery = 88.08%			
60) 2,4,6-Tribromophenol	15.07	330	472916	74.75	ug/ml	0.02
Spiked Amount 75.000	Range 36 - 141		Recovery = 99.67%			
73) d14-p-terphenyl	20.60	244	1643205	41.74	ug/ml	0.00
Spiked Amount 50.000	Range 38 - 108		Recovery = 83.48%			
Target Compounds						Qvalue
2) Pyridine	1.58	79	810368	21.06	ug/ml	97
3) N-nitrosodimethylamine	1.57	42	599275	29.20	ug/ml	96
6) Aniline	5.27	93	1185582	31.64	ug/ml	99
7) Phenol	5.53	94	988206	30.92	ug/ml#	34
8) 2-Chlorophenol	5.58	128	758382	32.72	ug/ml	86
9) bis(2-chloroethyl) ether	5.38	93	819187	31.73	ug/ml	99
10) 1,3-Dichlorobenzene	5.76	146	765536	28.03	ug/ml	98
11) 1,4-Dichlorobenzene	5.88	146	795004	28.48	ug/ml	97
12) 1,2-Dichlorobenzene	6.29	146	744147	28.92	ug/ml	98
13) Benzyl Alcohol	6.27	108	494371	35.03	ug/ml	92
14) 2-Methylphenol	6.75	108	690780	34.10	ug/ml	99
15) bis(2-chloroisopropyl)ethe	6.57	45	1560589	33.53	ug/ml	97
16) 3+4-Methylphenol	7.10	108	730341	34.28	ug/ml	97
17) Hexachloroethane	6.96	117	325094	30.78	ug/ml	100
18) N-nitroso-di-n-propylamine	6.91	70	719432	36.08	ug/ml	97
21) Nitrobenzene	7.22	123	435530	31.79	ug/ml	88
22) Isophorone	7.75	82	1830638	35.88	ug/ml	99
23) 2-Nitrophenol	7.97	139	482387	31.55	ug/ml	98
24) 2,4-Dimethylphenol	8.25	107	690752	30.64	ug/ml	98
25) Bis(2-chloroethoxy)methane	8.33	93	924880	29.45	ug/ml	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042406-D\D47035Q.D Vial: 5
Acq On : 24 Apr 2006 12:14 am Operator:
Sample : L04246AS Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 25 8:32 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 24 23:13:39 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 2,4-Dichlorophenol	8.70	162	571852	30.32 ug/ml	99
27) Benzoic Acid	8.73	105	348987	31.60 ug/ml	91
28) 1,2,4-Trichlorobenzene	8.69	180	563421	29.63 ug/ml	97
29) Naphthalene	8.82	128	1997590	30.53 ug/ml	98
31) 4-Chloroaniline	9.09	127	957856	31.73 ug/ml	95
32) Hexachlorobutadiene	9.27	225	328716	27.69 ug/ml	99
33) 4-Chloro-3-methylphenol	10.56	107	630424	33.06 ug/ml	97
34) 2-Methylnaphthalene	10.49	141	1166482	31.80 ug/ml	99
36) Hexachlorocyclopentadiene	11.05	237	301822	36.90 ug/ml	94
37) 2,4,6-Trichlorophenol	11.37	196	401243	37.87 ug/ml	97
38) 2,4,5-Trichlorophenol	11.66	196	428197	37.36 ug/ml	98
40) 2-Chloronaphthalene	11.67	162	1181263	34.16 ug/ml	99
41) 2-Nitroaniline	12.11	138	599552	38.55 ug/ml	98
42) 2,6-Dinitrotoluene	12.79	165	371906	35.61 ug/ml	100
43) Dimethyl Phthalate	12.62	163	1428634	34.40 ug/ml	100
44) Acenaphthylene	12.69	152	1951851	33.33 ug/ml	99
45) 3-Nitroaniline	13.14	138	490531	40.18 ug/ml	95
46) Acenaphthene	13.15	154	1100254	32.06 ug/ml	97
47) 2,4-dinitrophenol	13.38	184	187010	37.01 ug/ml	96
48) Dibenzofuran	13.54	168	1615772	32.50 ug/ml	98
49) 4-Nitrophenol	14.14	109	168420	36.98 ug/ml	99
50) 2,4-Dinitrotoluene	13.73	165	508133	38.11 ug/ml	99
52) Fluorene	14.38	166	1294282	33.02 ug/ml	99
53) Diethyl Phthalate	14.36	149	1572028	36.34 ug/ml	100
54) 4-Chlorophenyl phenyl eth	14.42	204	648742	34.48 ug/ml	98
55) 4-Nitroaniline	14.68	138	514192	39.37 ug/ml	98
56) 4,6-Dinitro-2-methylphenol	14.73	198	311946	34.29 ug/ml	97
57) n-nitrosodiphenylamine	14.77	169	947223	35.80 ug/ml	96
58) Azobenzene	14.80	77	2001866	35.02 ug/ml	98
59) Biphenyl	11.67	154	1485909	32.58 ug/ml	99
62) 4-bromophenyl phenyl ether	15.60	248	376798	32.83 ug/ml	99
63) Hexachlorobenzene	15.92	284	451756	36.41 ug/ml	98
64) Pentachlorophenol	16.47	266	181803	29.59 ug/ml	99
65) Phenanthrene	16.70	178	1764036	33.37 ug/ml	100
66) Anthracene	16.81	178	1801446	33.79 ug/ml	98
67) Carbazole	17.31	167	3398237	66.26 ug/ml	100
68) Di-n-butyl phthalate	18.30	149	2634438	36.23 ug/ml	99
69) Fluoranthene	19.60	202	1916998	35.95 ug/ml	99
70) Benzidine	20.02	184	1194634	103.62 ug/ml	96
72) Pyrene	20.13	202	1892779	33.88 ug/ml	99
74) Butyl benzyl phthalate	21.92	149	1191841	35.15 ug/ml	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042406-D\D47035Q.D Vial: 5
Acq On : 24 Apr 2006 12:14 am Operator:
Sample : L04246AS Inst : D Instrum
Misc : SOIL Multiplr: 1.00
RTE Integration Params: RTEINT.P
Quant Time: Apr 25 8:32 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 24 23:13:39 2006
Response via : Initial Calibration
DataAcq Meth : ABN

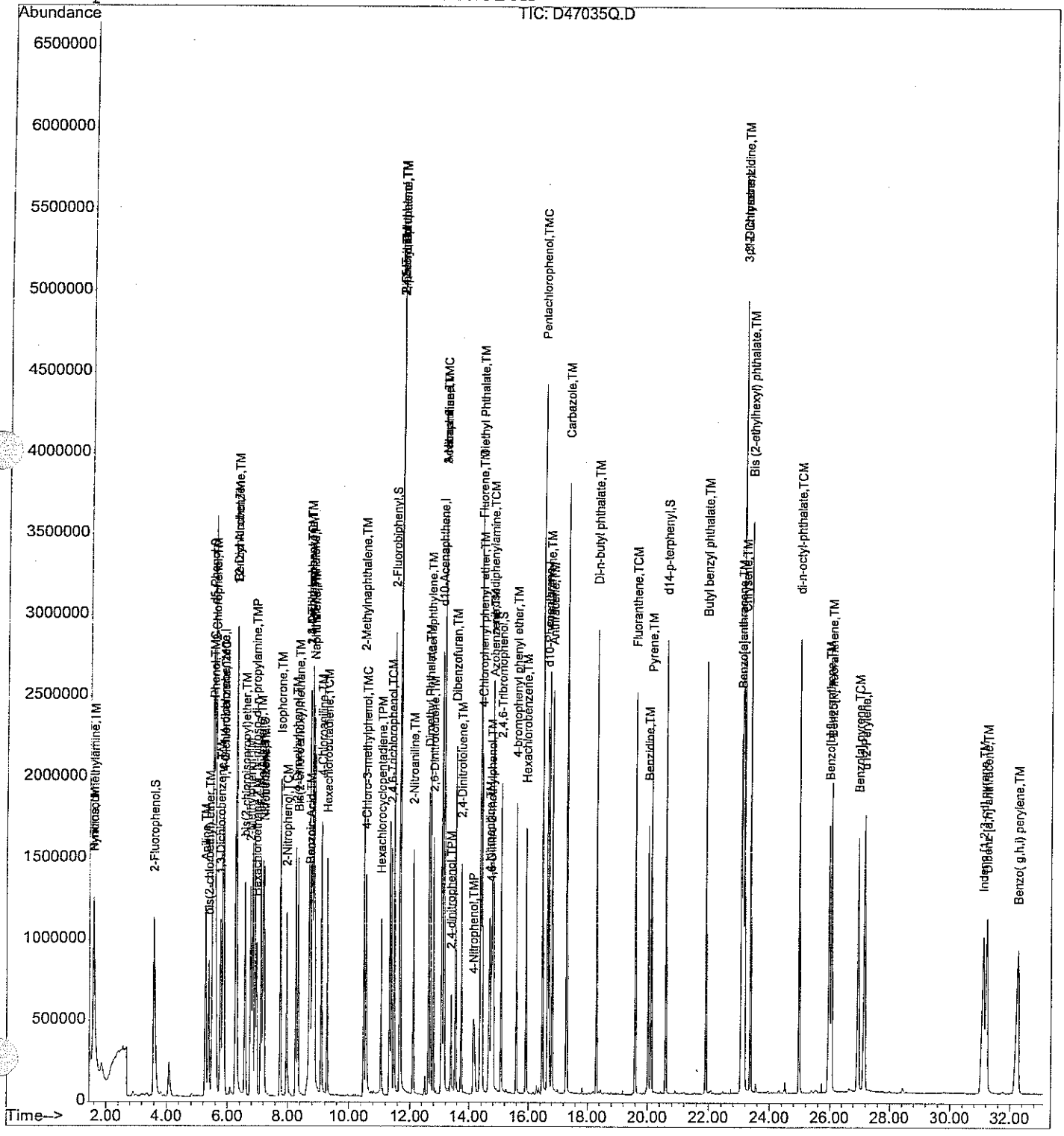
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
75)	Benzo[a]anthracene	23.06	228	1923297	36.23 ug/ml	99
76)	Chrysene	23.17	228	1781708	34.07 ug/ml	98
77)	3,3'-Dichlorobenzidine	23.12	252	1578491	83.55 ug/ml	100
78)	Bis (2-ethylhexyl) phthala	23.37	149	1639404	33.94 ug/ml	99
80)	di-n-octyl-phthalate	24.98	149	2768630	34.06 ug/ml	98
81)	Benzo[b] fluoranthene	25.97	252	1956119	35.78 ug/ml	99
82)	Benzo[k] fluoranthene	26.06	252	1901295	36.67 ug/ml	99
83)	Benzo[a] pyrene	26.97	252	1865176	36.33 ug/ml	99
84)	Indeno [1,2,3-cd] pyrene	31.10	276	1842473	36.87 ug/ml	98
85)	Dibenz [a,h] anthracene	31.23	278	1815517	37.69 ug/ml	98
86)	Benzo(g,h,i) perylene	32.26	276	1789584	36.43 ug/ml	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042406-D\D47035Q.D Vial: 5
Acq On : 24 Apr 2006 12:14 am Operator:
Sample : L04246AS Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 25 8:32 2006 Quant Results File: S04036.RES

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 24 23:13:39 2006
Response via : Initial Calibration



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4/26/06 SL ✓

[illegible] 4/25/06

- Time Stamp error
- Pre-post.ini file indicates injection date 4/25/06 not 4/24/06

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Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042406-D\D47036Q.D Vial: 6
Acq On : 25 Apr 2006 12:51 am Operator:
Sample : LD04246AS Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 25 8:33 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 24 23:13:39 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4/26/06 SL ✓ 4/25/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.84	152	704185	40.00	ug/ml	0.01
19) d8-Naphthalene	8.78	136	2495005	40.00	ug/ml	0.01
35) d10-Acenaphthene	13.08	164	1163410	40.00	ug/ml	0.01
61) d10-Phenanthrene	16.65	188	1903658	40.00	ug/ml	0.00
71) d12-Chrysene	23.11	240	1780755	40.00	ug/ml	0.00
79) d12-Perylene	27.17	264	1812735	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.58	112	1225972	54.00	ug/ml	0.00
Spiked Amount 75.000	Range 29 - 97		Recovery = 72.00%			
5) d5-Phenol	5.49	99	1735668	61.51	ug/ml	0.00
Spiked Amount 75.000	Range 40 - 120		Recovery = 82.01%			
20) d5-nitrobenzene	7.18	82	1046988	36.63	ug/ml	0.01
Spiked Amount 50.000	Range 20 - 101		Recovery = 73.26%			
39) 2-Fluorobiphenyl	11.47	172	1505896	41.48	ug/ml	0.00
Spiked Amount 50.000	Range 34 - 102		Recovery = 82.96%			
60) 2,4,6-Tribromophenol	15.07	330	461766	73.65	ug/ml	0.01
Spiked Amount 75.000	Range 36 - 141		Recovery = 98.20%			
73) d14-p-terphenyl	20.60	244	1560818	41.90	ug/ml	0.00
Spiked Amount 50.000	Range 38 - 108		Recovery = 83.80%			
Target Compounds						Qvalue
2) Pyridine	1.57	79	771181	20.51	ug/ml	96
3) N-nitrosodimethylamine	1.56	42	601213	29.98	ug/ml	92
6) Aniline	5.27	93	1140624	31.15	ug/ml	98
7) Phenol	5.53	94	967239	30.97	ug/ml#	34
8) 2-Chlorophenol	5.58	128	739530	32.65	ug/ml	89
9) bis(2-chloroethyl) ether	5.38	93	785880	31.16	ug/ml	98
10) 1,3-Dichlorobenzene	5.76	146	745617	27.94	ug/ml	98
11) 1,4-Dichlorobenzene	5.88	146	762118	27.94	ug/ml	99
12) 1,2-Dichlorobenzene	6.29	146	713931	28.39	ug/ml	100
13) Benzyl Alcohol	6.28	108	463588	33.62	ug/ml	94
14) 2-Methylphenol	6.75	108	647926	32.73	ug/ml	99
15) bis(2-chloroisopropyl)ethe	6.57	45	1468115	32.28	ug/ml	97
16) 3+4-Methylphenol	7.10	108	691885	33.24	ug/ml	98
17) Hexachloroethane	6.96	117	304463	29.51	ug/ml	99
18) N-nitroso-di-n-propylamine	6.90	70	681809	35.00	ug/ml	97
21) Nitrobenzene	7.22	123	420876	31.40	ug/ml	92
22) Isophorone	7.75	82	1748205	35.03	ug/ml	100
23) 2-Nitrophenol	7.96	139	457749	30.60	ug/ml	95
24) 2,4-Dimethylphenol	8.25	107	650249	29.49	ug/ml	99
25) Bis(2-chloroethoxy)methane	8.33	93	871994	28.38	ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042406-D\D47036Q.D Vial: 6
Acq On : 25 Apr 2006 12:51 am Operator:
Sample : LD04246AS Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 25 8:33 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 24 23:13:39 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 2,4-Dichlorophenol	8.71	162	538916	29.21 ug/ml	100
27) Benzoic Acid	8.72	105	337399	31.28 ug/ml	92
28) 1,2,4-Trichlorobenzene	8.69	180	538947	28.97 ug/ml	98
29) Naphthalene	8.83	128	1921992	30.03 ug/ml	99
31) 4-Chloroaniline	9.08	127	907738	30.74 ug/ml	95
32) Hexachlorobutadiene	9.27	225	319953	27.55 ug/ml	99
33) 4-Chloro-3-methylphenol	10.56	107	601626	32.25 ug/ml	97
34) 2-Methylnaphthalene	10.49	141	1111048	30.96 ug/ml	99
36) Hexachlorocyclopentadiene	11.05	237	295617	36.51 ug/ml	97
37) 2,4,6-Trichlorophenol	11.37	196	380416	36.23 ug/ml	98
38) 2,4,5-Trichlorophenol	11.65	196	405917	35.74 ug/ml	98
40) 2-Chloronaphthalene	11.67	162	1104677	32.24 ug/ml	100
41) 2-Nitroaniline	12.10	138	582484	37.79 ug/ml	97
42) 2,6-Dinitrotoluene	12.79	165	365130	35.28 ug/ml	98
43) Dimethyl Phthalate	12.62	163	1413111	34.34 ug/ml	100
44) Acenaphthylene	12.69	152	1880061	32.40 ug/ml	100
45) 3-Nitroaniline	13.14	138	475516	39.31 ug/ml	96
46) Acenaphthene	13.15	154	1058846	31.13 ug/ml	98
47) 2,4-dinitrophenol	13.38	184	188825	37.59 ug/ml	100
48) Dibenzofuran	13.54	168	1577739	32.03 ug/ml	98
49) 4-Nitrophenol	14.14	109	169543	37.57 ug/ml	90
50) 2,4-Dinitrotoluene	13.73	165	497484	37.66 ug/ml	97
52) Fluorene	14.38	166	1253530	32.28 ug/ml	100
53) Diethyl Phthalate	14.36	149	1522447	35.52 ug/ml	99
54) 4-Chlorophenyl phenyl eth	14.42	204	630037	33.79 ug/ml	99
55) 4-Nitroaniline	14.67	138	501341	38.74 ug/ml	98
56) 4,6-Dinitro-2-methylphenol	14.73	198	301068	33.48 ug/ml	98
57) n-nitrosodiphenylamine	14.77	169	947541	36.14 ug/ml	96
58) Azobenzene	14.80	77	1946642	34.37 ug/ml	99
59) Biphenyl	11.67	154	1390430	30.77 ug/ml	99
62) 4-bromophenyl phenyl ether	15.59	248	382684	34.82 ug/ml	100
63) Hexachlorobenzene	15.91	284	445642	37.51 ug/ml	99
64) Pentachlorophenol	16.46	266	181072	30.53 ug/ml	98
65) Phenanthrene	16.70	178	1765650	34.87 ug/ml	100
66) Anthracene	16.81	178	1798066	35.22 ug/ml	99
67) Carbazole	17.31	167	3388860	69.00 ug/ml	100
68) Di-n-butyl phthalate	18.30	149	2516892	36.14 ug/ml	99
69) Fluoranthene	19.60	202	1890705	37.02 ug/ml	99
70) Benzidine	20.01	184	708604	52.87 ug/ml	95
72) Pyrene	20.13	202	1792776	33.91 ug/ml	99
74) Butyl benzyl phthalate	21.91	149	1141578	35.59 ug/ml	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042406-D\D47036Q.D Vial: 6
Acq On : 25 Apr 2006 12:51 am Operator:
Sample : LD04246AS Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 25 8:33 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 24 23:13:39 2006
Response via : Initial Calibration
DataAcq Meth : ABN

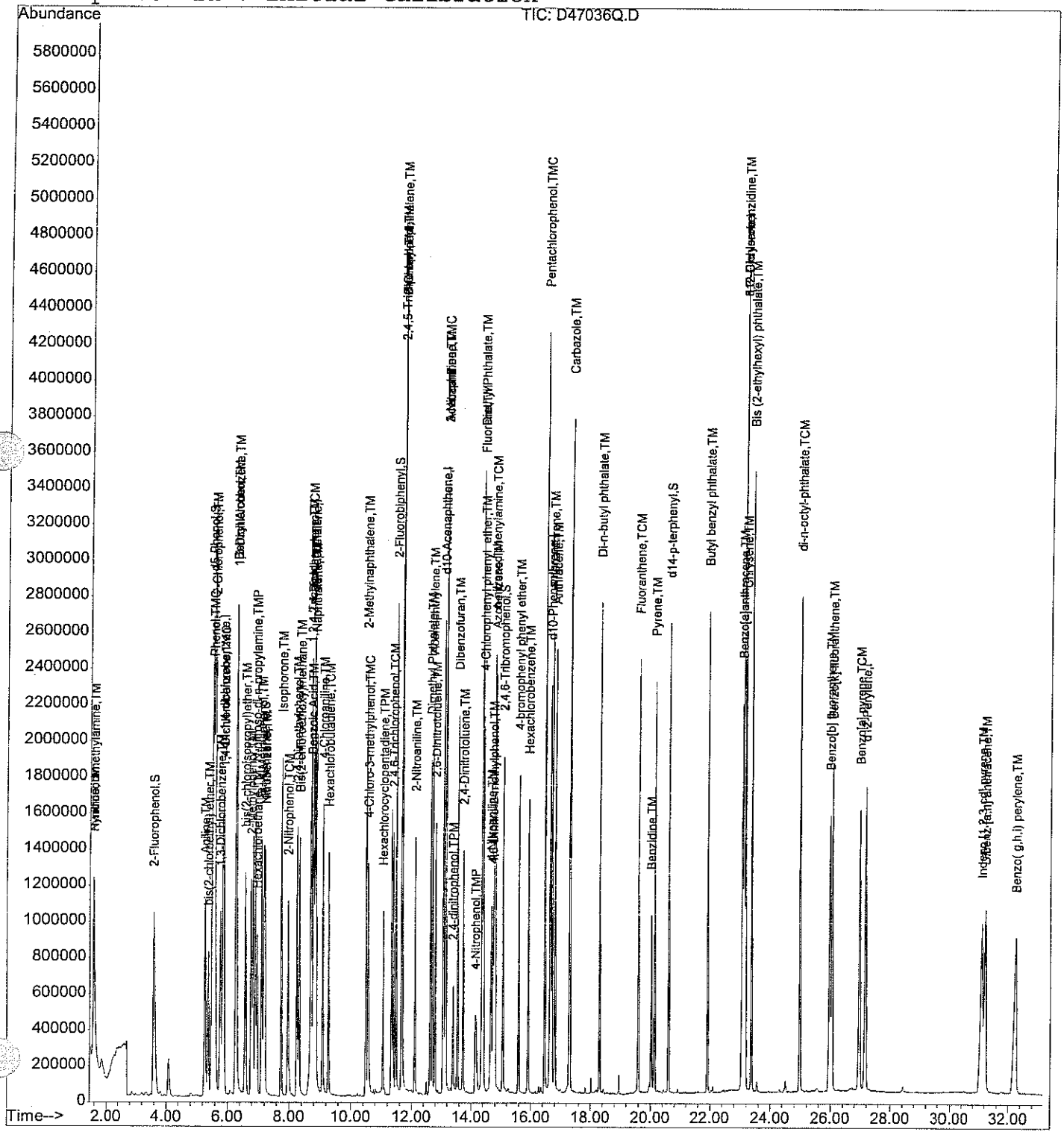
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
75) Benzo[a]anthracene	23.05	228	1848888	36.81 ug/ml	99
76) Chrysene	23.17	228	1734736	35.06 ug/ml	98
77) 3,3'-Dichlorobenzidine	23.12	252	1493462	83.54 ug/ml	99
78) Bis (2-ethylhexyl) phthala	23.36	149	1582063	34.62 ug/ml	100
80) di-n-octyl-phthalate	24.98	149	2682842	35.07 ug/ml	98
81) Benzo[b] fluoranthene	25.97	252	1803485	35.05 ug/ml	99
82) Benzo[k] fluoranthene	26.05	252	1792538	36.74 ug/ml	99
83) Benzo[a] pyrene	26.97	252	1830916	37.90 ug/ml	98
84) Indeno [1,2,3-cd] pyrene	31.11	276	1750064	37.22 ug/ml	99
85) Dibenz [a,h] anthracene	31.23	278	1673181	36.91 ug/ml	99
86) Benzo(g,h,i) perylene	32.26	276	1675819	36.25 ug/ml	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042406-D\D47036Q.D Vial: 6
Acq On : 25 Apr 2006 12:51 am Operator:
Sample : LD04246AS Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 25 8:33 2006 Quant Results File: S04036.RES

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 24 23:13:39 2006
Response via : Initial Calibration



analytics environmental laboratory LLC

SEMI-VOLATILE ORGANIC SOIL
MATRIX SPIKE/ DUPLICATE
PERCENT RECOVERY

Project #: SDG#: 56323

DFTPP File ID: D47064T.D Site ID: Subbase Groton Site 7 Location: CT

Instrument ID: D DFTPP Injection Date: 4/25/06

GC Column: RTX-5MS ID: 0.25(mm) DFTPP Injection Time: 2031

Matrix Spike/Duplicate Sample ID: 56323-12

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE AMT (ug/kg)		MS CONC. (ug/kg)	MS REC %	#	SPIKE ADDED (ug/kg)	MSD CONC. (ug/kg)	MSD REC %	#	RPD	#	QC LIMITS RPD	
Acenaphthene	1378	U		1088	79		1385	1102	80		1		19	55-96
Acenaphthylene	1378	U		1120	81		1385	1151	83		3		25	54-97
Anthracene	1378	U		1202	87		1385	1215	88		1		25	60-107
Benzo[a]anthracene	1378	U		1306	95		1385	1280	92		2		25	59-110
Benzo[a] pyrene	1378	U		1315	95		1385	1294	93		2		25	62-111
Benzo[b] fluoranthene	1378	U		1321	96		1385	1335	96		1		25	57-114
Benzo(g,h,i) perylene	1378	U		1147	83		1385	913	66		23		25	61-122
Benzo[k] fluoranthene	1378	U		1341	97		1385	1264	91		6		25	58-111
Chrysene	1378	U		1242	90		1385	1194	86		4		25	60-109
Dibenz [a,h] anthracene	1378	U		1312	95		1385	1116	81		16		25	69-122
Fluoranthene	1378	U		1323	96		1385	1309	94		1		25	65-114
Fluorene	1378	U		1144	83		1385	1102	80		4		25	60-101
Indeno [1,2,3-cd] pyrene	1378	U		1214	88		1385	1043	75		15		25	62-123
2-Methylnaphthalene	1378	U		1075	78		1385	1090	79		1		25	60-120
Naphthalene	1378	U		1043	76		1385	1065	77		2		25	42-95
Phenanthrene	1378	U		1176	85		1385	1176	85		0		25	59-103
Pyrene	1378	U		1261	91		1385	1229	89		3		36	52-110

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits
RPD: 0 out of 17 outside limits
Spike Recovery: 0 out of 34 outside limits

Comments: _____

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042506-D\D47072SP.D Vial: 9
Acq On : 26 Apr 2006 1:16 am Operator:
Sample : 56323-12,MS Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 8:40 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Tue Apr 25 23:18:57 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.84	152	675990	40.00	ug/ml	0.00
19) d8-Naphthalene	8.77	136	2390844	40.00	ug/ml	-0.01
35) d10-Acenaphthene	13.07	164	1146382	40.00	ug/ml	-0.01
61) d10-Phenanthrene	16.64	188	1905069	40.00	ug/ml	-0.02
71) d12-Chrysene	23.10	240	1755415	40.00	ug/ml	-0.02
79) d12-Perylene	27.16	264	1555608	40.00	ug/ml	-0.04
System Monitoring Compounds						
4) 2-Fluorophenol	3.58	112	1155738	53.03	ug/ml	-0.02
Spiked Amount 75.000	Range 29 - 97		Recovery = 70.71%			
5) d5-Phenol	5.47	99	1704464	62.92	ug/ml	-0.05
Spiked Amount 75.000	Range 40 - 120		Recovery = 83.89%			
20) d5-nitrobenzene	7.17	82	1026866	37.49	ug/ml	-0.01
Spiked Amount 50.000	Range 20 - 101		Recovery = 74.98%			
39) 2-Fluorobiphenyl	11.46	172	1504969	42.07	ug/ml	-0.02
Spiked Amount 50.000	Range 34 - 102		Recovery = 84.14%			
60) 2,4,6-Tribromophenol	15.06	330	464286	75.16	ug/ml	-0.02
Spiked Amount 75.000	Range 36 - 141		Recovery = 100.21%			
73) d14-p-terphenyl	20.59	244	1562237	42.54	ug/ml	-0.03
Spiked Amount 50.000	Range 38 - 108		Recovery = 85.08%			
Target Compounds						Qvalue
2) Pyridine	1.59	79	917462	25.42	ug/ml	97
3) N-nitrosodimethylamine	1.57	42	555573	28.86	ug/ml	96
6) Aniline	5.27	93	1046185	29.77	ug/ml	98
7) Phenol	5.52	94	930734	31.04	ug/ml#	34
8) 2-Chlorophenol	5.57	128	702787	32.32	ug/ml	90
9) bis(2-chloroethyl) ether	5.38	93	737553	30.46	ug/ml	96
10) 1,3-Dichlorobenzene	5.76	146	681112	26.59	ug/ml	99
11) 1,4-Dichlorobenzene	5.88	146	703970	26.88	ug/ml	99
12) 1,2-Dichlorobenzene	6.29	146	668450	27.69	ug/ml	96
13) Benzyl Alcohol	6.27	108	463629	35.03	ug/ml	96
14) 2-Methylphenol	6.74	108	644921	33.94	ug/ml#	61
15) bis(2-chloroisopropyl)ethe	6.56	45	1405460	32.19	ug/ml	100
16) 3+4-Methylphenol	7.08	108	693177	34.69	ug/ml	99
17) Hexachloroethane	6.95	117	282425	28.51	ug/ml	100
18) N-nitroso-di-n-propylamine	6.90	70	635861	34.00	ug/ml	98
21) Nitrobenzene	7.21	123	390913	30.44	ug/ml	99
22) Isophorone	7.74	82	1701110	35.57	ug/ml	100
23) 2-Nitrophenol	7.95	139	451494	31.50	ug/ml	99
24) 2,4-Dimethylphenol	8.23	107	660501	31.26	ug/ml	98
25) Bis(2-chloroethoxy)methane	8.32	93	866190	29.42	ug/ml	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042506-D\D47072SP.D Vial: 9
Acq On : 26 Apr 2006 1:16 am Operator:
Sample : 56323-12,MS Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 8:40 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Tue Apr 25 23:18:57 2006
Response via : Initial Calibration
DataAcq Meth : ABN

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
26)	2,4-Dichlorophenol	8.69	162	559800	31.66	ug/ml	95
27)	Benzoic Acid	8.74	105	446090	41.39	ug/ml	94
28)	1,2,4-Trichlorobenzene	8.68	180	529429	29.70	ug/ml	99
29)	Naphthalene	8.82	128	1856714	30.27	ug/ml	99
31)	4-Chloroaniline	9.08	127	901612	31.86	ug/ml	98
32)	Hexachlorobutadiene	9.26	225	295213	26.53	ug/ml	99
33)	4-Chloro-3-methylphenol	10.54	107	614334	34.36	ug/ml	99
34)	2-Methylnaphthalene	10.48	141	1073291	31.21	ug/ml	98
36)	Hexachlorocyclopentadiene	11.04	237	233920	29.80	ug/ml	100
37)	2,4,6-Trichlorophenol	11.36	196	383295	37.05	ug/ml	98
38)	2,4,5-Trichlorophenol	11.64	196	426864	38.14	ug/ml	98
40)	2-Chloronaphthalene	11.66	162	1106171	32.77	ug/ml	98
41)	2-Nitroaniline	12.10	138	585788	38.57	ug/ml	99
42)	2,6-Dinitrotoluene	12.78	165	361568	35.46	ug/ml	100
43)	Dimethyl Phthalate	12.61	163	1375247	33.92	ug/ml	100
44)	Acenaphthylene	12.68	152	1858111	32.50	ug/ml	99
45)	3-Nitroaniline	13.13	138	471670	39.57	ug/ml	96
46)	Acenaphthene	13.14	154	1058430	31.58	ug/ml	99
47)	2,4-dinitrophenol	13.38	184	183796	37.21	ug/ml	90
48)	Dibenzofuran	13.53	168	1562590	32.19	ug/ml	99
49)	4-Nitrophenol	14.12	109	172370	38.77	ug/ml	99
50)	2,4-Dinitrotoluene	13.73	165	487576	37.46	ug/ml	100
52)	Fluorene	14.37	166	1270488	33.20	ug/ml	100
53)	Diethyl Phthalate	14.35	149	1530253	36.23	ug/ml	98
54)	4-Chlorophenyl phenyl eth	14.41	204	627351	34.15	ug/ml	99
55)	4-Nitroaniline	14.67	138	501644	39.34	ug/ml	97
56)	4,6-Dinitro-2-methylphenol	14.73	198	299981	33.82	ug/ml	99
57)	n-nitrosodiphenylamine	14.76	169	944522	36.56	ug/ml	96
58)	Azobenzene	14.79	77	2029862	36.37	ug/ml	93
59)	Biphenyl	11.66	154	1384956	31.10	ug/ml	99
62)	4-bromophenyl phenyl ether	15.58	248	377172	34.29	ug/ml	98
63)	Hexachlorobenzene	15.91	284	446231	37.53	ug/ml	99
64)	Pentachlorophenol	16.45	266	203548	33.54	ug/ml	98
65)	Phenanthrene	16.70	178	1728806	34.12	ug/ml	99
66)	Anthracene	16.80	178	1782496	34.89	ug/ml	100
67)	Carbazole	17.30	167	3343032	68.01	ug/ml	100
68)	Di-n-butyl phthalate	18.29	149	2555131	36.66	ug/ml	99
69)	Fluoranthene	19.59	202	1962986	38.41	ug/ml	98
70)	Benzidine	20.01	184	674491	49.62	ug/ml	98
72)	Pyrene	20.13	202	1907059	36.60	ug/ml	99
74)	Butyl benzyl phthalate	21.90	149	1169826	36.99	ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042506-D\D47072SP.D Vial: 9
Acq On : 26 Apr 2006 1:16 am Operator:
Sample : 56323-12,MS Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 8:40 2006 Quant Results File: S04036.RES

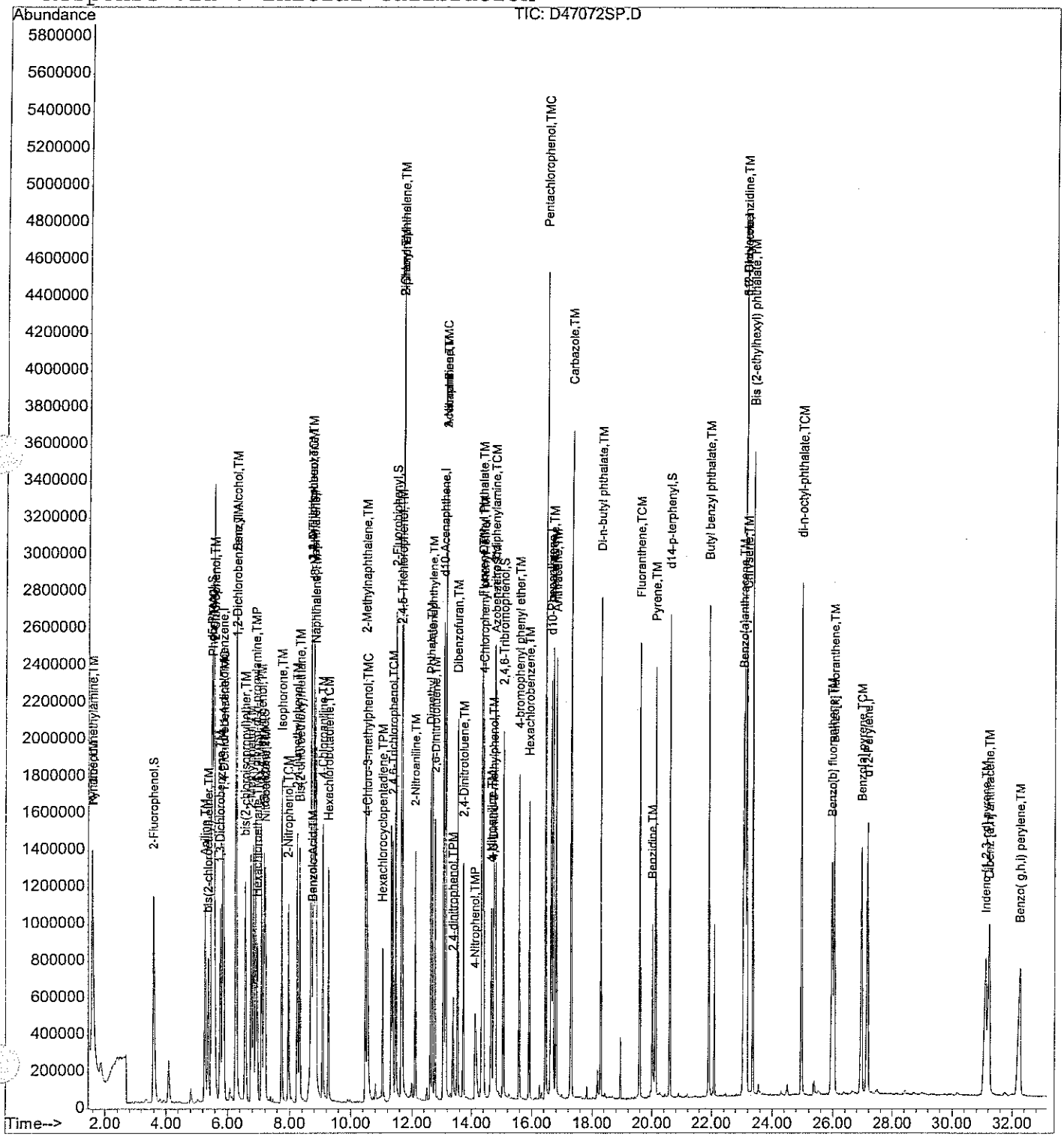
Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Tue Apr 25 23:18:57 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
75) Benzo[a]anthracene	23.06	228	1876495	37.90	ug/ml	100
76) Chrysene	23.17	228	1757961	36.04	ug/ml	98
77) 3,3'-Dichlorobenzidine	23.12	252	1412716	80.16	ug/ml	98
78) Bis (2-ethylhexyl) phthala	23.35	149	1618739	35.93	ug/ml	99
80) di-n-octyl-phthalate	24.97	149	2675168	40.75	ug/ml	98
81) Benzo[b] fluoranthene	25.97	252	1692765	38.34	ug/ml	97
82) Benzo[k] fluoranthene	26.05	252	1629253	38.91	ug/ml	99
83) Benzo[a] pyrene	26.96	252	1582731	38.17	ug/ml	99
84) Indeno [1,2,3-cd] pyrene	31.10	276	1421949	35.24	ug/ml#	66
85) Dibenz [a,h] anthracene	31.22	278	1480818	38.07	ug/ml	96
86) Benzo(g,h,i) perylene	32.26	276	1321292	33.30	ug/ml	99

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042506-D\D47072SP.D Vial: 9
Acq On : 26 Apr 2006 1:16 am Operator:
Sample : 56323-12,MS Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:40 2006 Quant Results File: S04036.RES

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Tue Apr 25 23:18:57 2006
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042506-D\D47073SP.D Vial: 10
Acq On : 26 Apr 2006 1:49 am Operator:
Sample : 56323-12,MSD Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 8:40 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Tue Apr 25 23:18:57 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.84	152	655755	40.00	ug/ml	0.00
19) d8-Naphthalene	8.77	136	2402145	40.00	ug/ml	-0.01
35) d10-Acenaphthene	13.06	164	1146207	40.00	ug/ml	-0.01
61) d10-Phenanthrene	16.64	188	1899178	40.00	ug/ml	-0.01
71) d12-Chrysene	23.10	240	1789831	40.00	ug/ml	-0.02
79) d12-Perylene	27.16	264	1628477	40.00	ug/ml	-0.04
System Monitoring Compounds						
4) 2-Fluorophenol	3.58	112	1204782	56.98	ug/ml	-0.01
Spiked Amount 75.000	Range 29 - 97		Recovery = 75.97%			
5) d5-Phenol	5.48	99	1729126	65.80	ug/ml	-0.05
Spiked Amount 75.000	Range 40 - 120		Recovery = 87.73%			
20) d5-nitrobenzene	7.17	82	1059313	38.49	ug/ml	0.00
Spiked Amount 50.000	Range 20 - 101		Recovery = 76.98%			
39) 2-Fluorobiphenyl	11.46	172	1535862	42.94	ug/ml	-0.02
Spiked Amount 50.000	Range 34 - 102		Recovery = 85.88%			
60) 2,4,6-Tribromophenol	15.06	330	464800	75.25	ug/ml	-0.01
Spiked Amount 75.000	Range 36 - 141		Recovery = 100.33%			
73) d14-p-terphenyl	20.59	244	1553461	41.49	ug/ml	-0.03
Spiked Amount 50.000	Range 38 - 108		Recovery = 82.98%			
Target Compounds						Qvalue
2) Pyridine	1.58	79	934377	26.68	ug/ml	97
3) N-nitrosodimethylamine	1.57	42	586220	31.39	ug/ml	97
6) Aniline	5.27	93	1067703	31.32	ug/ml	97
7) Phenol	5.52	94	944997	32.49	ug/ml#	33
8) 2-Chlorophenol	5.57	128	723986	34.33	ug/ml	93
9) bis(2-chloroethyl) ether	5.38	93	773985	32.95	ug/ml	99
10) 1,3-Dichlorobenzene	5.76	146	716862	28.85	ug/ml	98
11) 1,4-Dichlorobenzene	5.88	146	727200	28.63	ug/ml	99
12) 1,2-Dichlorobenzene	6.29	146	689381	29.44	ug/ml	95
13) Benzyl Alcohol	6.27	108	468629	36.50	ug/ml	92
14) 2-Methylphenol	6.74	108	656242	35.60	ug/ml#	62
15) bis(2-chloroisopropyl)ethe	6.56	45	1435966	33.90	ug/ml	100
16) 3+4-Methylphenol	7.09	108	707564	36.50	ug/ml	98
17) Hexachloroethane	6.95	117	293296	30.52	ug/ml	99
18) N-nitroso-di-n-propylamine	6.90	70	660694	36.42	ug/ml	98
21) Nitrobenzene	7.21	123	405188	31.40	ug/ml	99
22) Isophorone	7.74	82	1717287	35.74	ug/ml	99
23) 2-Nitrophenol	7.96	139	462950	32.15	ug/ml	99
24) 2,4-Dimethylphenol	8.24	107	651454	30.68	ug/ml	98
25) Bis(2-chloroethoxy)methane	8.32	93	861556	29.12	ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042506-D\D47073SP.D Vial: 10
Acq On : 26 Apr 2006 1:49 am Operator:
Sample : 56323-12,MSD Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 8:40 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Tue Apr 25 23:18:57 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 2,4-Dichlorophenol	8.69	162	553875	31.18 ug/ml	94
27) Benzoic Acid	8.74	105	425518	39.56 ug/ml	92
28) 1,2,4-Trichlorobenzene	8.68	180	538190	30.05 ug/ml	99
29) Naphthalene	8.82	128	1894382	30.74 ug/ml	99
31) 4-Chloroaniline	9.08	127	889769	31.29 ug/ml	96
32) Hexachlorobutadiene	9.26	225	304166	27.21 ug/ml	99
33) 4-Chloro-3-methylphenol	10.53	107	616832	34.34 ug/ml	98
34) 2-Methylnaphthalene	10.48	141	1087606	31.48 ug/ml	98
36) Hexachlorocyclopentadiene	11.04	237	232013	29.58 ug/ml	98
37) 2,4,6-Trichlorophenol	11.37	196	387955	37.50 ug/ml	99
38) 2,4,5-Trichlorophenol	11.64	196	415410	37.12 ug/ml	99
40) 2-Chloronaphthalene	11.66	162	1120321	33.19 ug/ml	98
41) 2-Nitroaniline	12.10	138	569704	37.52 ug/ml	99
42) 2,6-Dinitrotoluene	12.78	165	362250	35.53 ug/ml	98
43) Dimethyl Phthalate	12.61	163	1362244	33.60 ug/ml	100
44) Acenaphthylene	12.68	152	1899974	33.24 ug/ml	98
45) 3-Nitroaniline	13.13	138	475044	39.86 ug/ml	97
46) Acenaphthene	13.14	154	1066528	31.83 ug/ml	100
47) 2,4-dinitrophenol	13.38	184	170763	35.05 ug/ml	99
48) Dibenzofuran	13.53	168	1545809	31.85 ug/ml	100
49) 4-Nitrophenol	14.11	109	165292	37.18 ug/ml	94
50) 2,4-Dinitrotoluene	13.73	165	474680	36.47 ug/ml	100
52) Fluorene	14.37	166	1217340	31.82 ug/ml	99
53) Diethyl Phthalate	14.35	149	1472160	34.86 ug/ml	98
54) 4-Chlorophenyl phenyl eth	14.41	204	609129	33.16 ug/ml	98
55) 4-Nitroaniline	14.66	138	485063	38.04 ug/ml	97
56) 4,6-Dinitro-2-methylphenol	14.73	198	274814	31.25 ug/ml	99
57) n-nitrosodiphenylamine	14.76	169	934672	36.19 ug/ml	95
58) Azobenzene	14.79	77	1989675	35.66 ug/ml	94
59) Biphenyl	11.66	154	1412131	31.72 ug/ml	100
62) 4-bromophenyl phenyl ether	15.58	248	369138	33.67 ug/ml	100
63) Hexachlorobenzene	15.91	284	440704	37.18 ug/ml	99
64) Pentachlorophenol	16.46	266	202525	33.49 ug/ml	98
65) Phenanthrene	16.69	178	1715334	33.96 ug/ml	99
66) Anthracene	16.80	178	1787112	35.09 ug/ml	99
67) Carbazole	17.31	167	3283915	67.02 ug/ml	99
68) Di-n-butyl phthalate	18.29	149	2546090	36.65 ug/ml	99
69) Fluoranthene	19.59	202	1925595	37.80 ug/ml	99
70) Benzidine	20.02	184	792526	61.26 ug/ml	98
72) Pyrene	20.13	202	1884711	35.47 ug/ml	100
74) Butyl benzyl phthalate	21.90	149	1111649	34.48 ug/ml	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042506-D\D47073SP.D Vial: 10
Acq On : 26 Apr 2006 1:49 am Operator:
Sample : 56323-12,MSD Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 8:40 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Tue Apr 25 23:18:57 2006
Response via : Initial Calibration
DataAcq Meth : ABN

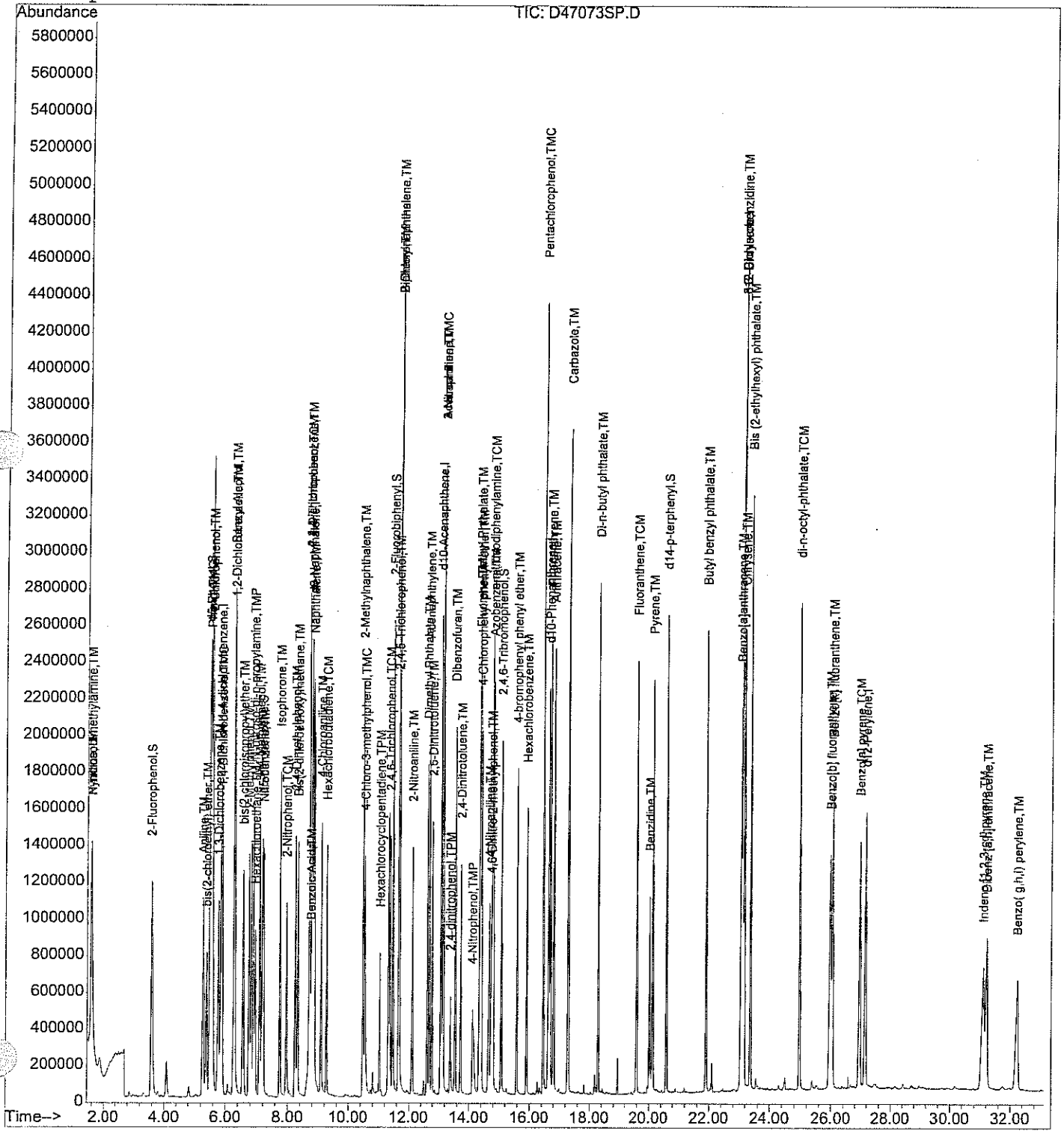
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
75) Benzo[a]anthracene	23.05	228	1866041	36.96	ug/ml	100
76) Chrysene	23.17	228	1714236	34.47	ug/ml	98
77) 3,3'-Dichlorobenzidine	23.12	252	1395194	77.65	ug/ml	98
78) Bis (2-ethylhexyl) phthala	23.36	149	1549879	33.74	ug/ml	98
80) di-n-octyl-phthalate	24.97	149	2602558	37.87	ug/ml	98
81) Benzo[b] fluoranthene	25.97	252	1781089	38.54	ug/ml	99
82) Benzo[k] fluoranthene	26.05	252	1599118	36.48	ug/ml	99
83) Benzo[a] pyrene	26.97	252	1621619	37.36	ug/ml	100
84) Indeno [1,2,3-cd] pyrene	31.10	276	1272240	30.12	ug/ml#	66
85) Dibenz [a,h] anthracene	31.22	278	1311861	32.22	ug/ml	97
86) Benzo(g,h,i) perylene	32.24	276	1094845	26.36	ug/ml	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042506-D\D47073SP.D Vial: 10
Acq On : 26 Apr 2006 1:49 am Operator:
Sample : 56323-12,MSD Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:40 2006 Quant Results File: S04036.RES

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Tue Apr 25 23:18:57 2006
Response via : Initial Calibration



040306-D

Instrument D

IS only#: ~~S6639~~ S6738 Exp: 9/27/06

Tune File: ABN.u Date: 4/3/06 Loading Check: AUC 4/3/06

Voltage: 1824 Analyst: AUC Unloading Check: [illegible]

Vial	Meth File	Sample Info	Dil	Data File	Win ID	Comments
1	tunemix	S6618 tunemix 50ng	/	D46726T	W-D-040306-1-AUC	
1	tunemix	S6618 tunemix 50ng	/	27T		
1	tunemix	S6618 tunemix 50ng	/	28T	✓	
2	S04036	S6745 Pt1 2/4		29 ~~29SI~~ AUC 4/3/06	test	
2		S6745 Pt1 2/4	/	29SI	✓	
3		S6744 Pt2A 4/8	/	30	✓	
4		S6743 Pt2 10/20	/	31	✓	
5		S6742 Pt3 20/40	/	32	✓	
6		S6741 Pt4A 40/80	/	33	✓	
7		S6740 Pt4 50/100	/	34	✓	
8		S6739 Pt5 100/200	/	35	✓	
9		S6703 ABN CC 20/40	-	36	✓	
10		S6690 Benzidines + Anilines CC 20	-	37	Benzidine = 269%	
1	tunemix	S6618 tunemix 50ng	/	38T	W-D-040306-2-AUC ✓	
5	S04036	S6742 Pt3 20/40	/	39SC	✓	
11		B02286AS	/	40B	✓	
12		L02286AS } Not Needed ran 3/1/06	/	41Q	✓ ~~AUC~~	Aniline OK kt
13		LD02286AS	/	42Q	✓ 4/4/06	Run on 3/1/06
14		B03246AW	/	43B	Bis ethyl hexyl ~36 fine	
15		56092-1 PP625	/	44	✓ all surr OK, Rpt this Run	
16	55	~~56~~ AUC 4/3/06 6925-1 8270S	/	45	✓	
17		-2	/	46	✓	
18		-3	/	47	✓	
19		-4	/	48	✓	
20		-5	/	49	✓	
21		-6	/	50	✓	
22		-7	/	51	✓	
23		56055-5 PAHS	/	52	✓	
24		-4	10	53	✓	

Cont pg 22

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042406-D

S6759

Instrument D

IS only#: S76 Exp: 10/24/06

Tune File: ABN.u Date: 4/24/06 Loading Check: AUR 4/24/06

Voltage: 1850 Analyst: AUR Unloading Check: AUR

Vial	Meth File	Sample Info	Dil	Data File	Win ID	Comments
1	tunemix	S6618 tunemix 50ng	/	D47030T	✓	W-5-042406-1-AUR
2	S04036	S6749 Pt3 20/40	/	31SC	Std conc.	Make New one.
3		S6760 Benzidines + Anilines 20	/	32SC	✓	
2		S6761 Pt3 20/40	/	33SC	✓	
4		B042416AS	/	34B	✓	
5		L042416AS	/	35Q	✓	
6		LD042416AS	/	36Q	✓	
7		S6323-1 PAHS	/	37	✓	
8		-2	/	38	✓	
9		-3	/	39	✓	
10		-4	/	40	✓	
11		-5	/	41	✓	
12		-6	/	42	✓	
13		-7	/	43	✓	+IS6 RR
14		-8	/	44	✓	(hits affect IS6)
15		-9	/	45	✓	
16		-10	/	46	✓	
17		-11	/	47	✓	
18		-12	/	48	✓	
19		-12, MS	/	49SP		IS6 RR
20		-12, MSD	/	50SP	Out of window	W-5-042406-1-AUR
1	tunemix	S6618 tunemix 50ng	/	51T	✓	
21	SIM042416	S6766 SIM Pt1 0.5	/	52SI	✓	
22		S6765 SIM Pt2 1.0	/	53	✓	
23		S6764 SIM Pt3 2.0	/	54	✓	
24		S6763 SIM Pt4 5.0	/	55	✓	
25		S6762 SIM Pt5 10.0	/	56	✓	
26		S6769 SIM CC 1.0	/	57	✓	
27		B042516SW	/	58B	✓	

Print. DC 2G

38

042506-D

Instrument D

IS only#: S1754 Exp: 10/24/06

Tune File: ABN.u Date: 4/25/06 Loading Check: ALR

Voltage: 1800 Analyst: ALR Unloading Check: SL

Vial	Meth File	Sample Info	Dil	Data File	Win ID	Comments
1	tunemix	S16618 tunemix 50ng	/	D470647	W-D-042506-1-ALR	
2	S04036	S6761 Pt3 20/40	/	665C	✓	
3		S6760 Benzidines + Anilines 20	/	666C	✓	
4		ALR 4/25/06 B04229 B04206(20)	/	67B	✓	
5		56299-2 625	/	68	Confirms	↓surr.
6		B04216AS	/	69B	✓	
7		LB04216AS	/	70Q	✓	
8		56323-12	/	71	✓	
9		-12, MS	/	725P	✓	
10		-12, MSD	/	735P	✓	
11		-7	/	74	✓	
12		-8	/	75	✓	
13		-9	/	76	✓	
14		-10	/	77	✓	
15		-11	/	78	✓	
16		56301-1	/	79	+156	
17		-2	/	80	+156, RRE	1:5
18		-3 RX	/	81	+156	
19		-4	/	82	+156	
20	↓	56276-1	/	83	+156	

4/26/06 SL

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analytics environmental laboratory LLC

SEMI-VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Project #: | Quote #: NA | SDG#: 56323

DFTPP File ID: D46728T.D | Site ID: Subbase Groton Site 7 | Location: CT

Instrument ID: D | DFTPP Injection Date: 4/3/06

GC Column: RTX-5MS | ID: 0.25(mm) | DFTPP Injection Time: 1335

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
51	30 - 60% of mass 198	49.4
68	Less than 2% of mass 69	0.0 (0.0)1
69	Less than 100% of mass 198	66.5
70	Less than 2% of mass 69	0.2 (0.3)1
127	40 - 60% of mass 198	48.2
197	Less than 1% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5 - 9% of mass 198	6.9
275	10 - 30% of mass 198	21.6
365	1 - 100% of mass 198	2.2
441	.01 - 100% of mass 443	10.1 (66.6)2
442	40 - 100% of mass 198	78.8
443	17 - 23% of mass 442	15.1 (19.2)3

1-Value is % mass 69 2-Value is % mass 443 3-Value is % mass 442

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ZZZZZ	ZZZZZ	D46729.D	4/3/06	14:29
02	S6745 ABN PT 1	S6745 ABN PT 1	D46729SI.D	4/3/06	15:02
03	S6744 ABN PT 2A	S6744 ABN PT 2A	D46730SI.D	4/3/06	16:08
04	S6743 ABN PT 2	S6743 ABN PT 2	D46731SI.D	4/3/06	16:41
05	S6742 ABN PT 3	S6742 ABN PT 3	D46732SI.D	4/3/06	17:14
06	S6741 ABN PT 4A	S6741 ABN PT 4A	D46733SI.D	4/3/06	17:47
07	S6740 ABN PT 4	S6740 ABN PT 4	D46734SI.D	4/3/06	18:53
08	S6739 ABN PT 5	S6739 ABN PT 5	D46735SI.D	4/3/06	19:32
09	S6703 ABN CC 20/40	S6703 ABN CC 20/4	D46736.D	4/3/06	20:10
10	S6690 BENZ/ANA CC	S6690 BENZ/ANA (	D46737.D	4/3/06	20:21
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					

DFTPP

Data File : D:\HPCHEM\1\DATA\040306-D\D46728T.D Vial: 1
Acq On : 3 Apr 2006 1:35 pm Operator:
Sample : S6618 TUNEMIX 50NG Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: rteint.p

Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX

AutoFind: Scans 437, 438, 439; Background Corrected with Scan 431

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	49.4	84889	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	66.5	114358	PASS
70	69	0.00	2	0.3	369	PASS
127	198	40	60	48.2	82949	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	171989	PASS
199	198	5	9	6.9	11818	PASS
275	198	10	30	21.6	37152	PASS
365	198	1	100	2.2	3714	PASS
441	443	0.01	100	66.6	17331	PASS
442	198	40	100	78.8	135464	PASS
443	442	17	23	19.2	26029	PASS

6728T.D TUNEMIX.M Mon Apr 03 19:00:51 2006

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S6618 TUNEMIX 50NG**
Data File Name **D46728T.D**
Date Acquired **4/3/2006 1:35**

Name	Target Response
PENTACHLOROPHENOL	165453.00
BENZIDINE	1081551.00
DDE	51.00
DDD	5081
DDT	579462

(0% - 20%)

%DDT BREAKDOWN = 0.88% ✓ **OK**

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\040306-D\D46728T.D Vial: 1
Acq On : 3 Apr 2006 1:35 pm Operator:
Sample : S6618 TUNEMIX 50NG Inst : D Instrum
Misc : Multiplr: 1.00
3 Integration Params: rteint.p
Quant Time: Apr 3 19:00 2006 Quant Results File: TUNEMIX.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX
Last Update : Mon Apr 03 19:00:32 2006
Response via : Initial Calibration
DataAcq Meth : TUNE

4/4/06 SL ✓

4/3/06

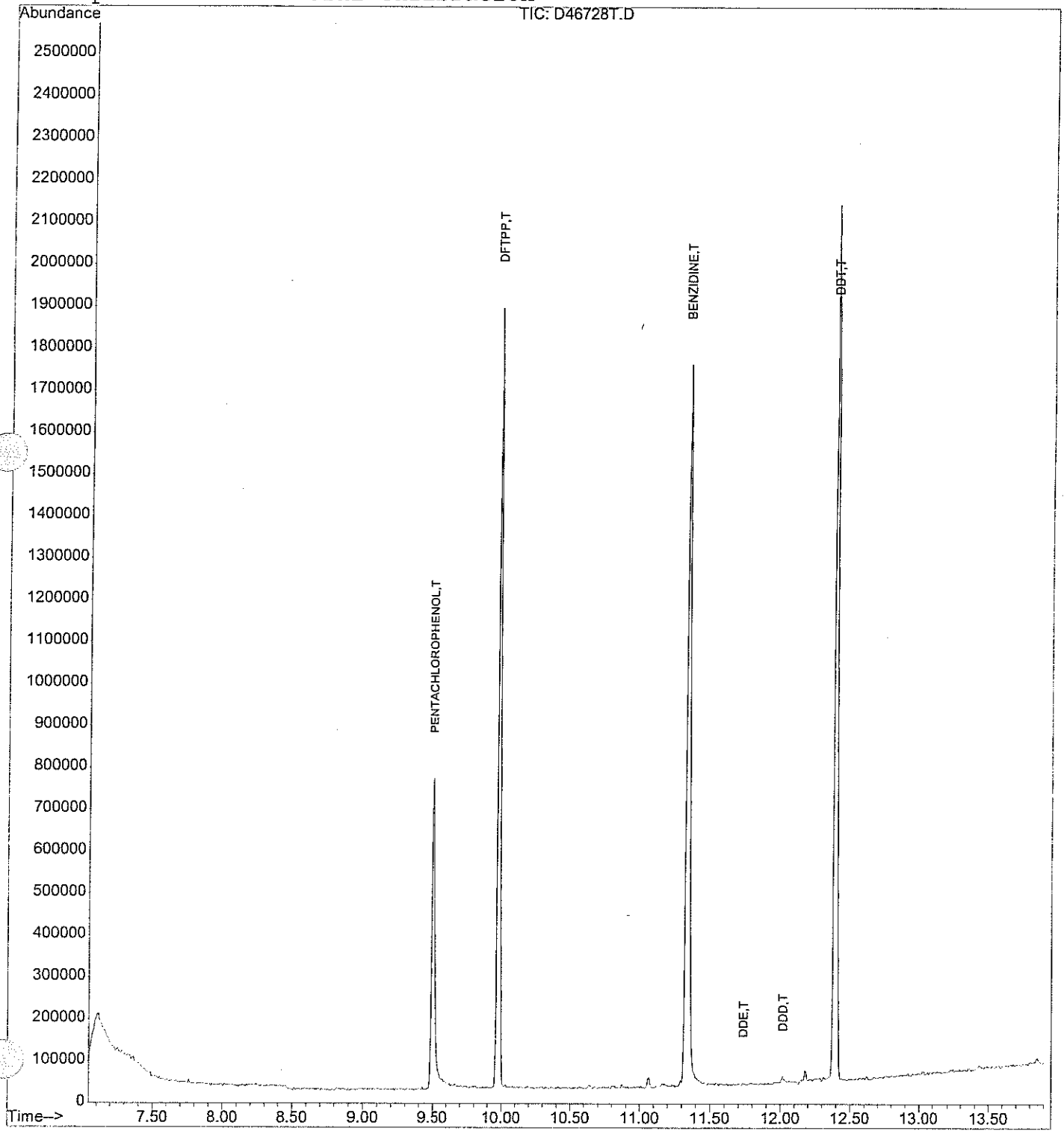
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
1) PENTACHLOROPHENOL	9.50	266	165453	14.02	UG/L	100
2) DFTPP	9.98	198	261870	11.92	ug/ml	100
3) BENZIDINE	11.34	184	1081551	19.58	UG/L	100
4) DDE	11.73	246	51	0.66	UG/L	100
5) DDD	12.02	235	5081	9.85	UG/L	100
6) DDT	12.39	235	579462	21.85	UG/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\040306-D\D46728T.D Vial: 1
Acq On : 3 Apr 2006 1:35 pm Operator:
Sample : S6618 TUNEMIX 50NG Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 3 19:00 2006 Quant Results File: TUNEMIX.RES

Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX
Last Update : Mon Apr 03 19:00:32 2006
Response via : Initial Calibration



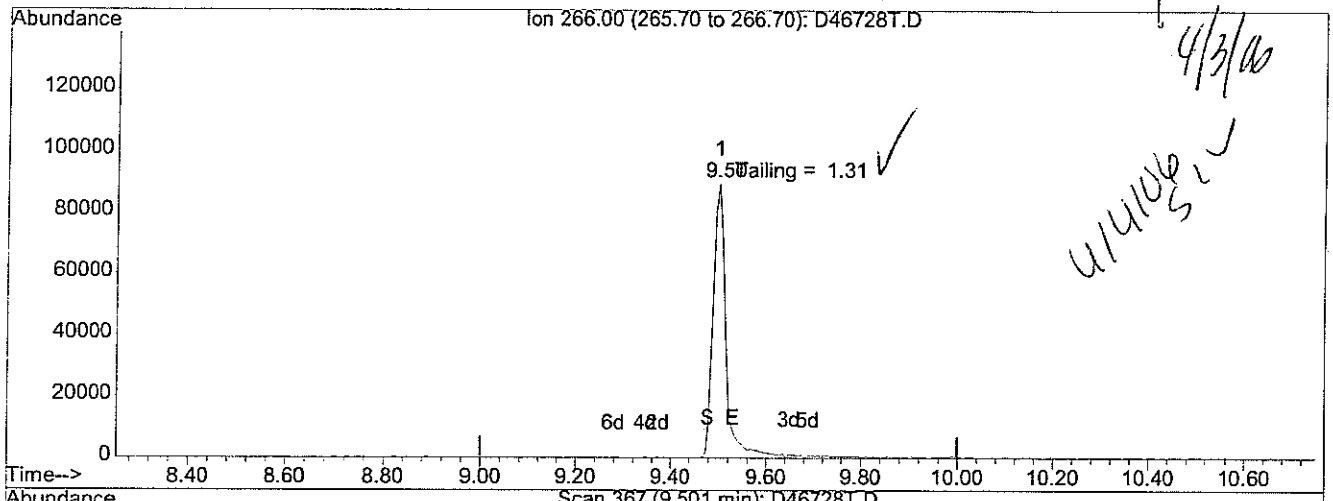
Quantitation Report (Qedit)

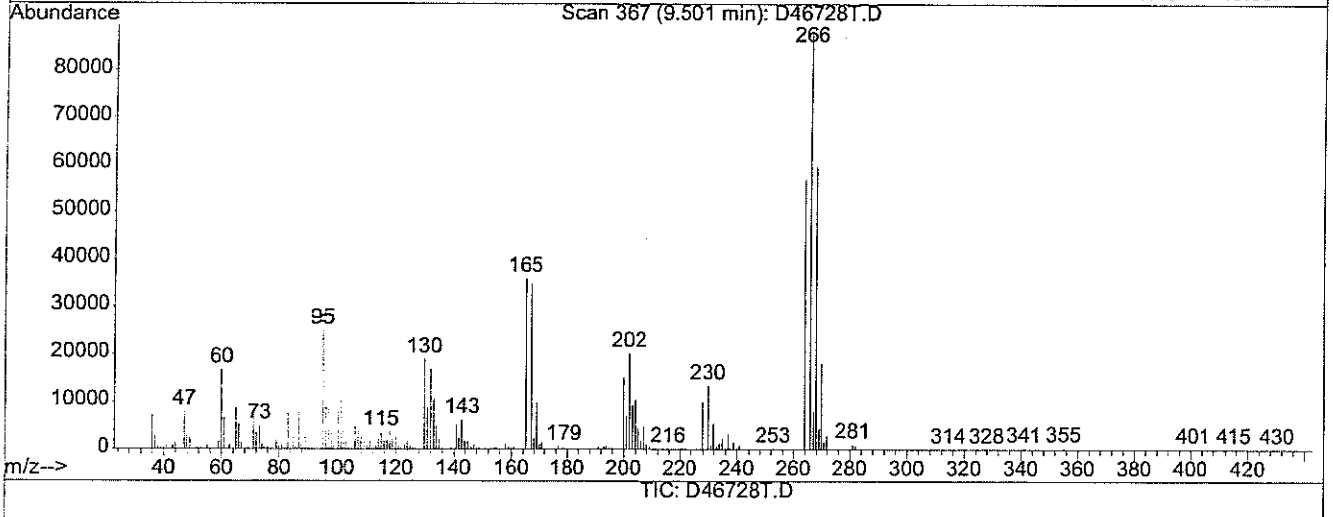
Data File : D:\HPCHEM\1\DATA\040306-D\D46728T.D Vial: 1
Acq On : 3 Apr 2006 1:35 pm Operator:
Sample : S6618 TUNEMIX 50NG Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 3 19:00 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX
Last Update : Mon Apr 03 19:00:32 2006
Response via : Single Level Calibration

4/3/06

4/4/06





(1) PENTACHLOROPHENOL (T)

9.50min 14.02UG/L

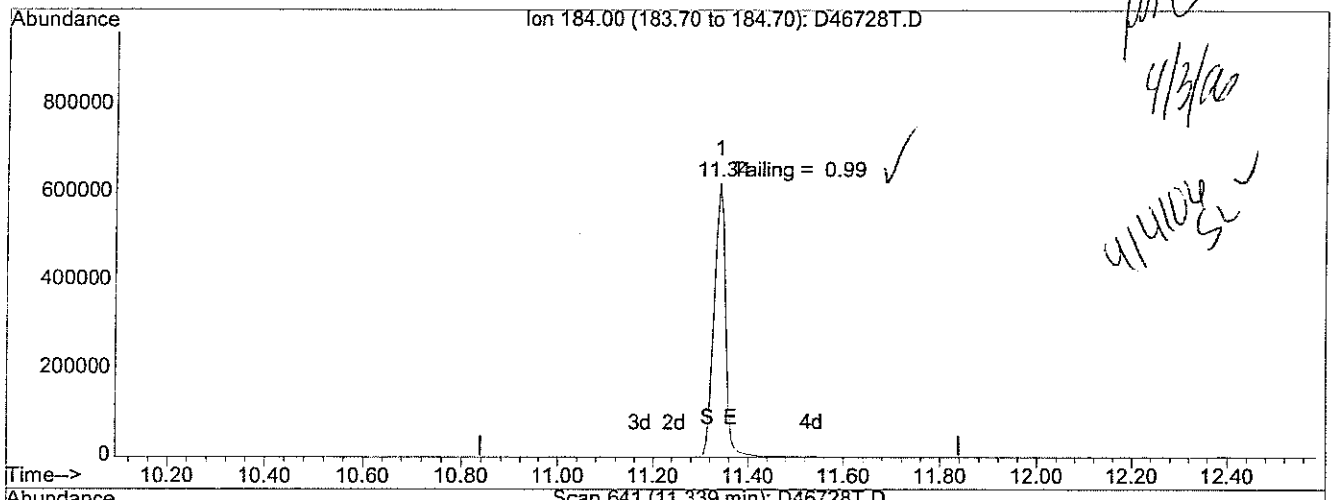
response 165453

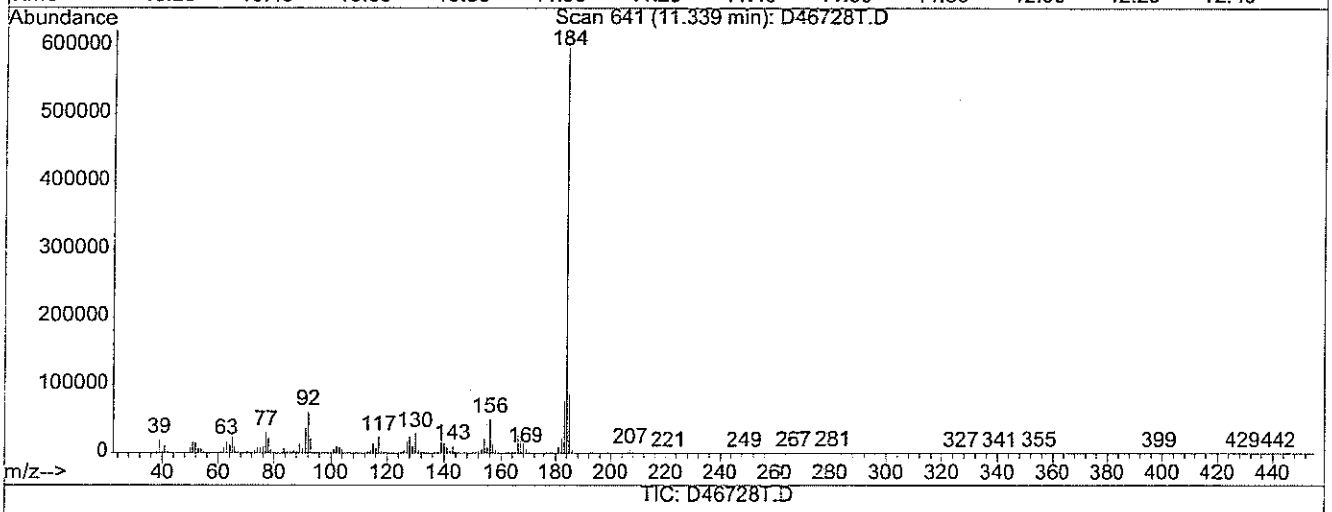
Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\040306-D\D46728T.D Vial: 1
Acq On : 3 Apr 2006 1:35 pm Operator:
Sample : S6618 TUNEMIX 50NG Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 3 19:00 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX
Last Update : Mon Apr 03 19:00:32 2006
Response via : Single Level Calibration





TIC: D46728T.D

(3) BENZIDINE (T)

11.34min 19.58UG/L

response 1081551

Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

SEMI-VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Project #: Quote #: NA SDG#: 56323

DFTPP File ID: D47030T.D Site ID: Subbase Groton Site 7 Location: CT

Instrument ID: D DFTPP Injection Date: 4/24/06

GC Column: RTX-5MS ID: 0.25(mm) DFTPP Injection Time: 2100

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
51	30 - 60% of mass 198	51.7
68	Less than 2% of mass 69	0.0 (0.0)1
69	Less than 100% of mass 198	69.9
70	Less than 2% of mass 69	0.3 (0.5)1
127	40 - 60% of mass 198	48.3
197	Less than 1% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5 - 9% of mass 198	6.7
275	10 - 30% of mass 198	20.1
365	1 - 100% of mass 198	2.1
441	.01 - 100% of mass 443	12.7 (76.9)2
442	40 - 100% of mass 198	83.3
443	17 - 23% of mass 442	16.5 (19.9)3

1-Value is % mass 69 2-Value is % mass 44 3-Value is % mass 442

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ZZZZZ	ZZZZZ	D47031SC.D	4/24/06	21:39
02	S6760 BENZIDINES + AN	S6760 BENZIDINES	D47032SC.D	4/24/06	21:56
03	S6761 PT3 20/40	S6761 PT3 20/40	D47033SC.D	4/24/06	22:40
04	B04246AS	B04246AS	D47034B.D	4/24/06	23:30
05	L04246AS	L04246AS	D47035Q.D	4/24/06	0:14
06	LD04246AS	LD04246AS	D47036Q.D	4/25/06	0:51
07	56323-1	56323-1	D47037.D	4/25/06	1:24
08	56323-2	56323-2	D47038.D	4/25/06	1:57
09	56323-3	56323-3	D47039.D	4/25/06	2:30
10	56323-4	56323-4	D47040.D	4/25/06	3:03
11	56323-5	56323-5	D47041.D	4/25/06	3:36
12	56323-6	56323-6	D47042.D	4/25/06	4:10
13	ZZZZZ	ZZZZZ	D47043.D	4/25/06	5:16
14	ZZZZZ	ZZZZZ	D47044.D	4/25/06	5:49
15	ZZZZZ	ZZZZZ	D47045.D	4/25/06	6:22
16	ZZZZZ	ZZZZZ	D47046.D	4/25/06	6:55
17	ZZZZZ	ZZZZZ	D47047.D	4/25/06	7:28
18	ZZZZZ	ZZZZZ	D47048.D	4/25/06	8:01
19	ZZZZZ	ZZZZZ	D47049SP.D	4/25/06	8:34
20	ZZZZZ	ZZZZZ	D47050SP.D	4/25/06	9:35
21					
22					
23					

DFTPP

Data File : D:\HPCHEM\1\DATA\042406-D\D47030T.D Vial: 1
Acq On : 24 Apr 2006 9:00 pm Operator:
Sample : S6618 TUNEMIX 50NG Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: rteint.p

Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX

AutoFind: Scans 393, 394, 395; Background Corrected with Scan 386

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	51.7	147848	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	69.9	199676	PASS
70	69	0.00	2	0.5	907	PASS
127	198	40	60	48.3	137915	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	285739	PASS
199	198	5	9	6.7	19216	PASS
275	198	10	30	20.1	57573	PASS
365	198	1	100	2.1	6135	PASS
441	443	0.01	100	76.9	36368	PASS
442	198	40	100	83.3	237888	PASS
443	442	17	23	19.9	47283	PASS

7030T.D TUNEMIX.M Mon Apr 24 22:30:46 2006

SEMI-VOLATILE
TUNE MIX CHECK

4/24/06

Sample Name **S6618 TUNEMIX 50NG**
Data File Name **D47030T.D**
Date Acquired **4/24/2006 9:00**

Name	Target Response
PENTACHLOROPHENOL	344860.00
BENZIDINE	1917915.00
DDE	260.00
DDD	1678
DDT	869587

4/26/06 SC ✓

(0% - 20%)

%DDT BREAKDOWN = 0.22% ✓ **OK**

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042406-D\D47030T.D Vial: 1
Acq On : 24 Apr 2006 9:00 pm Operator:
Sample : S6618 TUNEMIX 50NG Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 24 22:30 2006 Quant Results File: TUNEMIX.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX
Last Update : Fri Apr 21 21:21:23 2006
Response via : Initial Calibration
DataAcq Meth : TUNE

4/21 ok ✓ 4/24/06

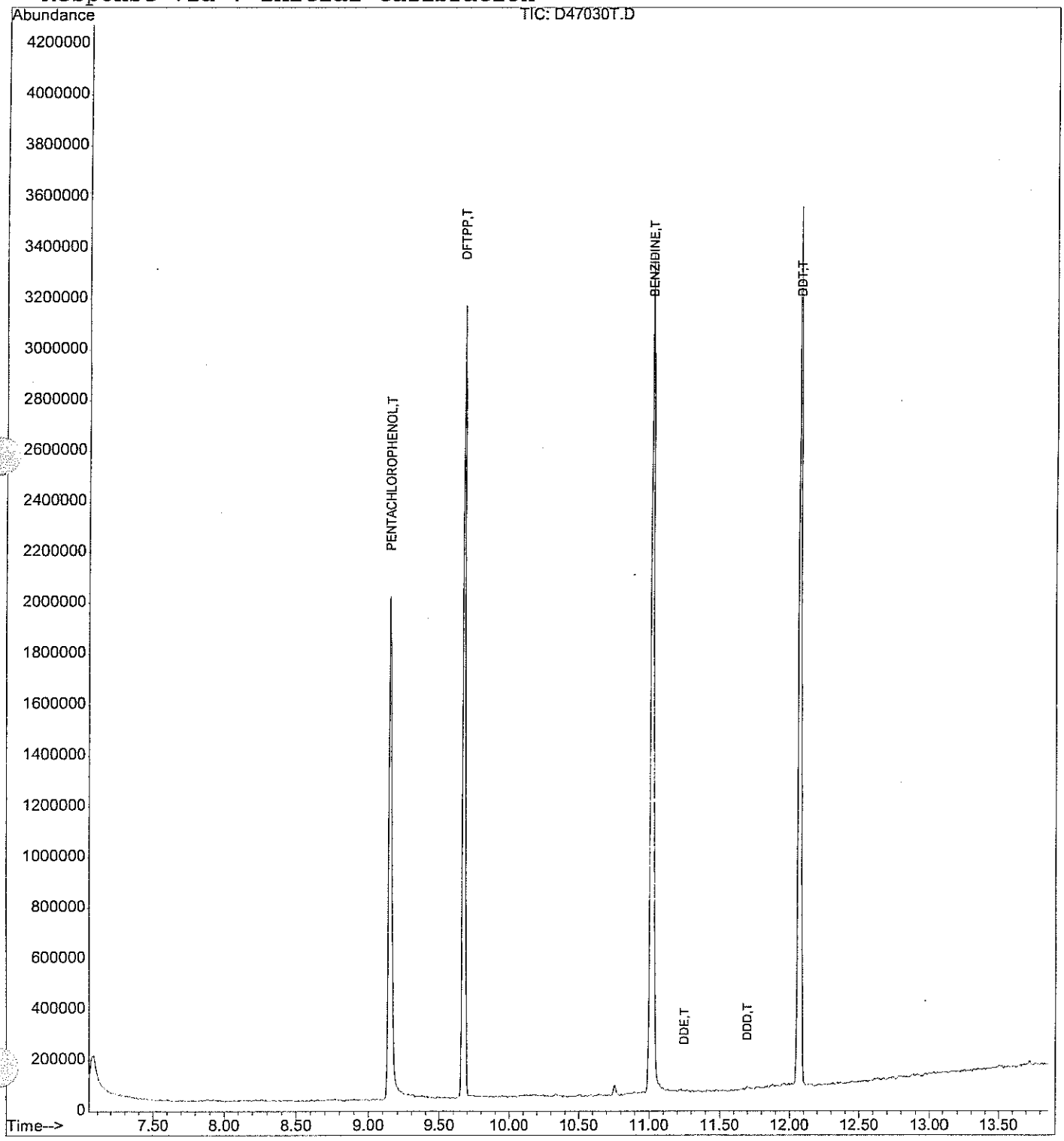
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
1) PENTACHLOROPHENOL	9.15	266	344860	29.23	UG/L	100
2) DFTPP	9.68	198	428078	19.49	ug/ml	100
3) BENZIDINE	11.02	184	1917915	34.72	UG/L	100
4) DDE	11.26	246	260	3.37	UG/L	100
5) DDD	11.70	235	1678	3.25	UG/L	100
6) DDT	12.07	235	869587	32.79	UG/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042406-D\D47030T.D Vial: 1
Acq On : 24 Apr 2006 9:00 pm Operator:
Sample : S6618 TUNEMIX 50NG Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 24 22:30 2006 Quant Results File: TUNEMIX.RES

Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX
Last Update : Fri Apr 21 21:21:23 2006
Response via : Initial Calibration



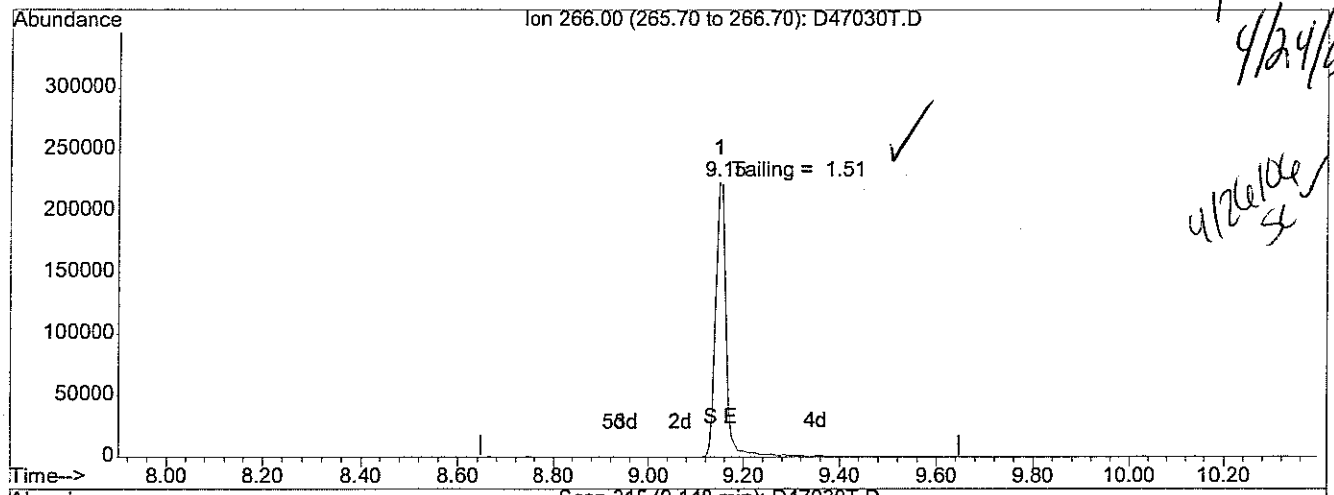
Quantitation Report (Qedit)

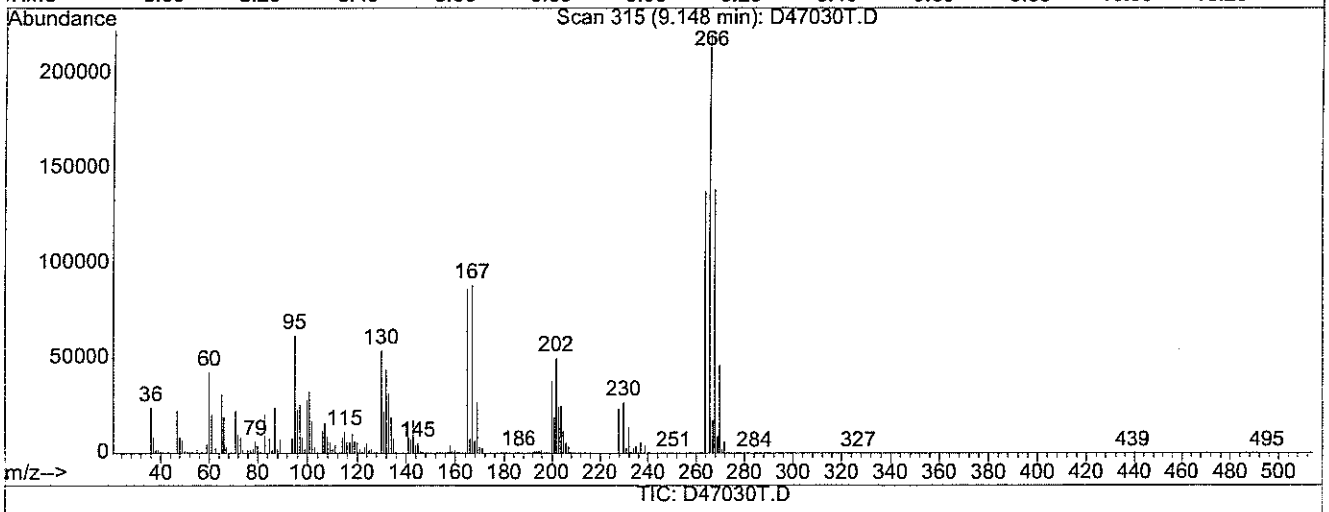
Data File : D:\HPCHEM\1\DATA\042406-D\D47030T.D Vial: 1
Acq On : 24 Apr 2006 9:00 pm Operator:
Sample : S6618 TUNEMIX 50NG Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 24 22:30 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX
Last Update : Fri Apr 21 21:21:23 2006
Response via : Single Level Calibration

4/24/06

4/26/06





TIC: D47030T.D

(1) PENTACHLOROPHENOL (T)

9.15min 29.23UG/L

response 344860

Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

D47030T.D TUNEMIX.M Mon Apr 24 22:33:53 2006

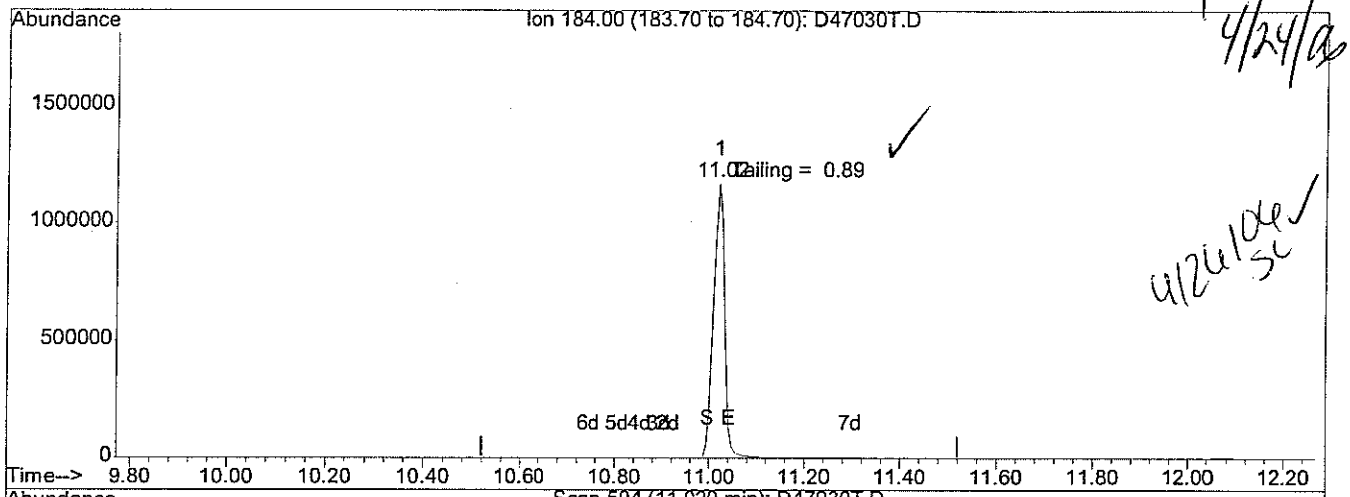
Quantitation Report (Qedit)

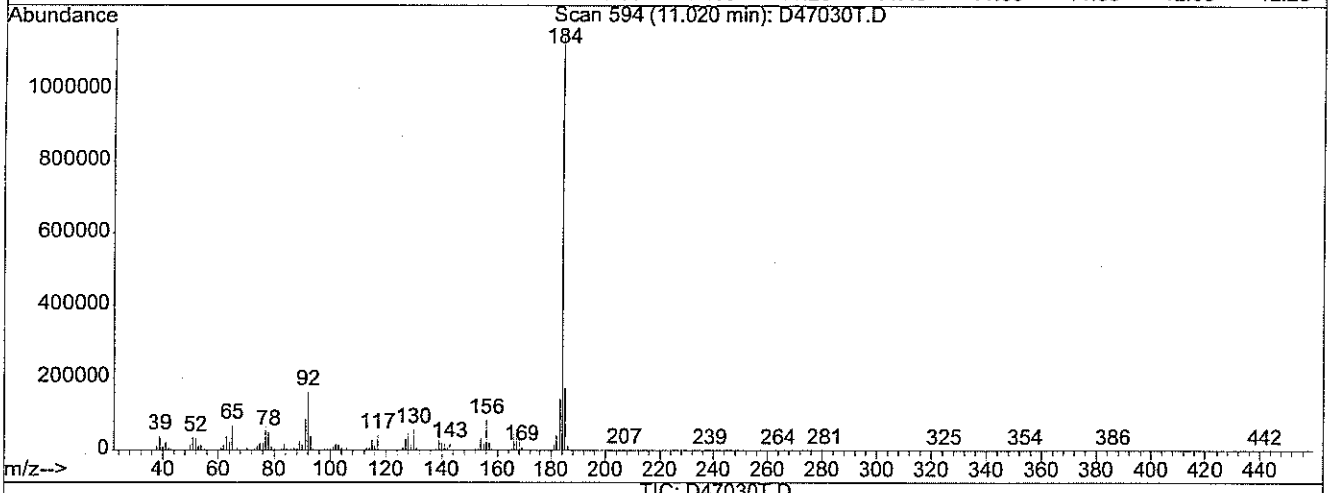
Data File : D:\HPCHEM\1\DATA\042406-D\D47030T.D Vial: 1
Acq On : 24 Apr 2006 9:00 pm Operator:
Sample : S6618 TUNEMIX 50NG Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 24 22:30 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX
Last Update : Fri Apr 21 21:21:23 2006
Response via : Single Level Calibration

4/24/a

4/24/06 SC





TIC: D47030T.D

(3) BENZIDINE (T)

11.02min 34.72UG/L

response 1917915

Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

analytics environmental laboratory LLC

SEMI-VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Project #: | Quote #: NA | SDG#: 56323

DFTPP File ID: D47064T.D | Site ID Subbase Groton Site 7 | Location: CT

Instrument ID: D | DFTPP Injection Date: 4/25/06

GC Column: RTX-5MS | ID: 0.25(mm) | DFTPP Injection Time: 2031

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
51	30 - 60% of mass 198	57.0
68	Less than 2% of mass 69	0.0 (0.0)1
69	Less than 100% of mass 198	74.0
70	Less than 2% of mass 69	0.2 (0.3)1
127	40 - 60% of mass 198	49.2
197	Less than 1% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5 - 9% of mass 198	6.7
275	10 - 30% of mass 198	20.1
365	1 - 100% of mass 198	2.1
441	.01 - 100% of mass 443	13.1 (83.6)2
442	40 - 100% of mass 198	81.5
443	17 - 23% of mass 442	15.7 (19.3)3

1-Value is % mass 69 2-Value is % mass 44 3-Value is % mass 442

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	S6761 PT3 20/40	S6761 PT3 20/40	D47065SC.D	4/25/06	20:44
02	S6760 BENZIDINES + AN	S6760 BENZIDINES	D47066SC.D	4/25/06	21:21
03	ZZZZZ	ZZZZZ	D47067B.D	4/25/06	21:54
04	ZZZZZ	ZZZZZ	D47068.D	4/25/06	22:26
05	B04216AS	B04216AS	D47069B.D	4/25/06	22:59
06	ZZZZZ	ZZZZZ	D47070Q.D	4/25/06	23:52
07	56323-12	56323-12	D47071.D	4/26/06	0:09
08	56323-12,MS	56323-12,MS	D47072SP.D	4/26/06	1:16
09	56323-12,MSD	56323-12,MSD	D47073SP.D	4/26/06	1:49
10	56323-7	56323-7	D47074.D	4/26/06	2:22
11	56323-8	56323-8	D47075.D	4/26/06	2:39
12	56323-9	56323-9	D47076.D	4/26/06	3:45
13	56323-10	56323-10	D47077.D	4/26/06	4:18
14	56323-11	56323-11	D47078.D	4/26/06	4:51
15	ZZZZZ	ZZZZZ	D47079.D	4/26/06	5:24
16	ZZZZZ	ZZZZZ	D47080.D	4/26/06	5:57
17	ZZZZZ	ZZZZZ	D47081.D	4/26/06	6:30
18	ZZZZZ	ZZZZZ	D47082.D	4/26/06	7:03
19	ZZZZZ	ZZZZZ	D47083.D	4/26/06	8:09
20					
21					
22					
23					

DFTPP

Data File : D:\HPCHEM\1\DATA\042506-D\D47064T.D Vial: 1
Acq On : 25 Apr 2006 8:31 pm Operator:
Sample : S6618 TUNEMIX 50NG Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: rteint.p

Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX

AutoFind: Scans 393, 394, 395; Background Corrected with Scan 387

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	57.0	161849	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	74.0	210021	PASS
70	69	0.00	2	0.3	559	PASS
127	198	40	60	49.2	139803	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	283968	PASS
199	198	5	9	6.7	19002	PASS
275	198	10	30	20.1	57096	PASS
365	198	1	100	2.1	6054	PASS
441	443	0.01	100	83.6	37272	PASS
442	198	40	100	81.5	231296	PASS
443	442	17	23	19.3	44587	PASS

7064T.D TUNEMIX.M Tue Apr 25 21:50:45 2006

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S6618 TUNEMIX 50NG**
Data File Name **D47064T.D**
Date Acquired **4/25/2006 8:31**

4/25/06

Name	Target Response
PENTACHLOROPHENOL	331748.00
BENZIDINE	2179073.00
DDE	373.00
DDD	39310
DDT	889604

4-27-06

(0% - 20%)

%DDT BREAKDOWN = 4.27% ✓ **OK**

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042506-D\D47064T.D Vial: 1
Acq On : 25 Apr 2006 8:31 pm Operator:
Sample : S6618 TUNEMIX 50NG Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 25 21:51 2006 Quant Results File: TUNEMIX.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX
Last Update : Fri Apr 21 21:21:23 2006
Response via : Initial Calibration
DataAcq Meth : TUNE

4-27-06 4/27/06

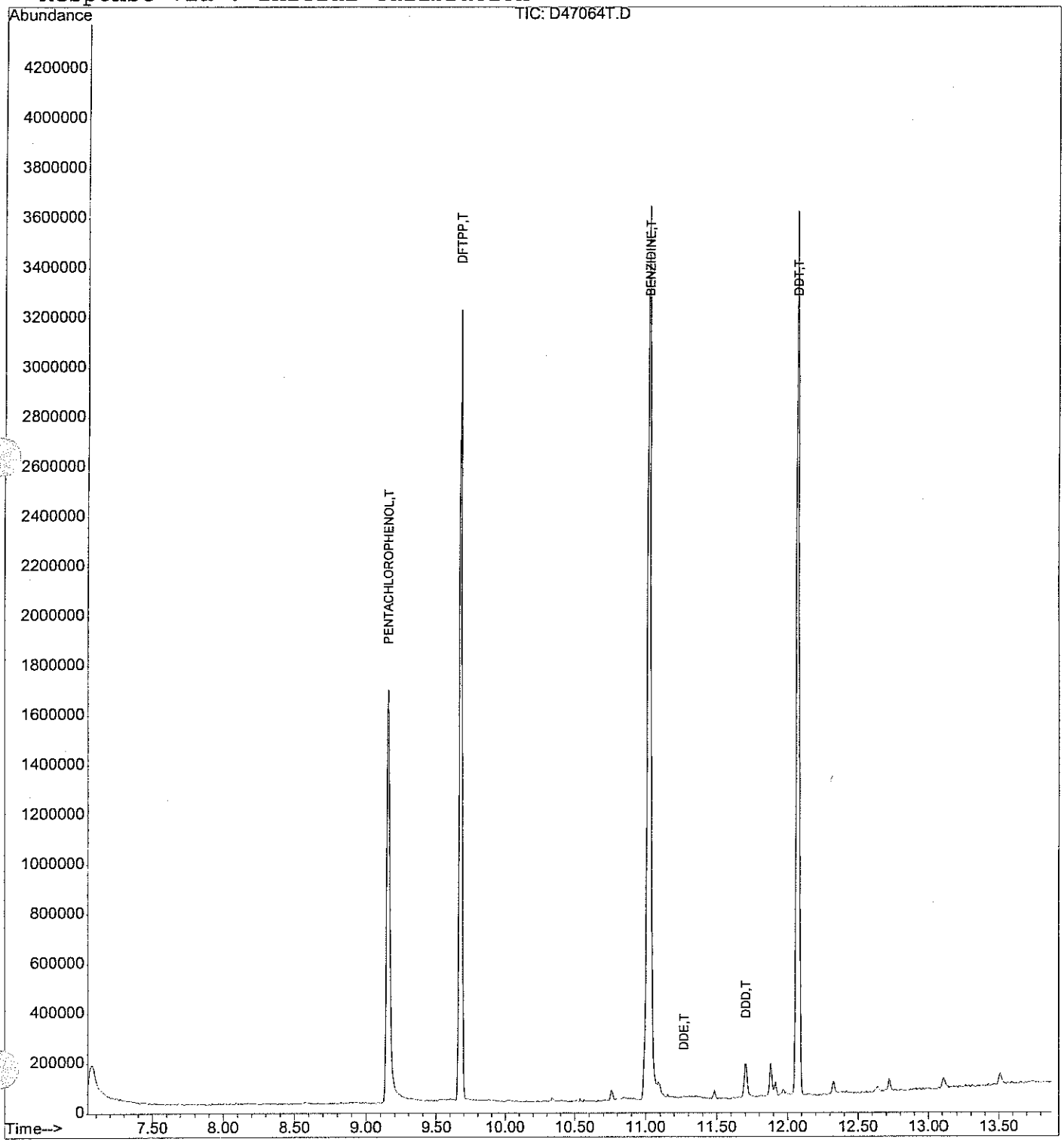
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
1) PENTACHLOROPHENOL	9.16	266	331748	28.12	UG/L	100
2) DFTPP	9.68	198	422408	19.23	ug/ml	100
3) BENZIDINE	11.03	184	2179073	39.44	UG/L	100
4) DDE	11.28	246	373	4.84	UG/L	100
5) DDD	11.71	235	39310	76.24	UG/L	100
6) DDT	12.07	235	889604	33.55	UG/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042506-D\D47064T.D Vial: 1
Acq On : 25 Apr 2006 8:31 pm Operator:
Sample : S6618 TUNEMIX 50NG Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 25 21:51 2006 Quant Results File: TUNEMIX.RES

Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX
Last Update : Fri Apr 21 21:21:23 2006
Response via : Initial Calibration



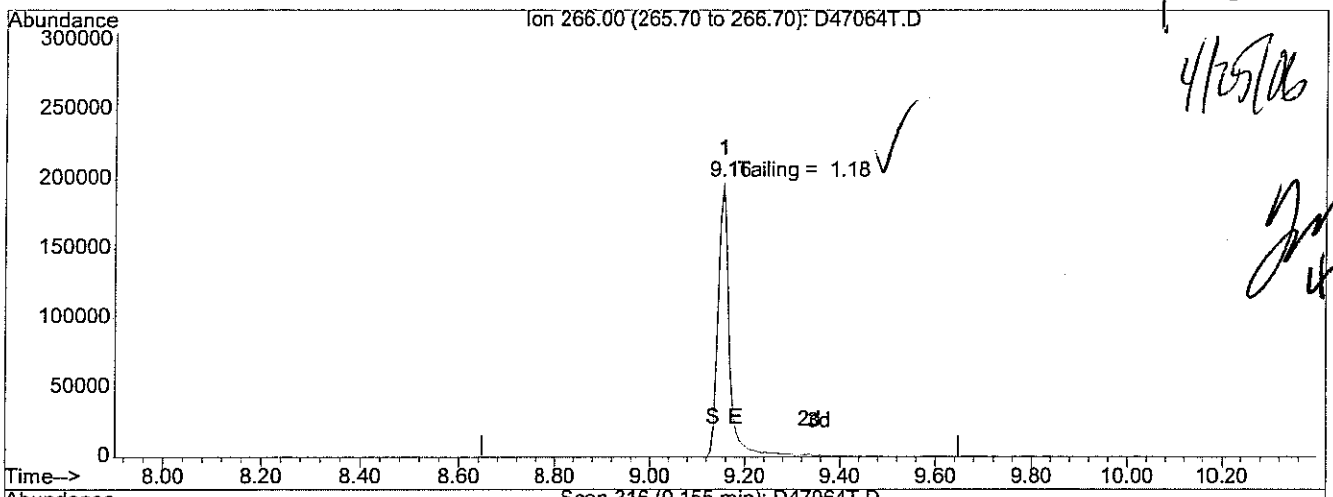
Quantitation Report (Qedit)

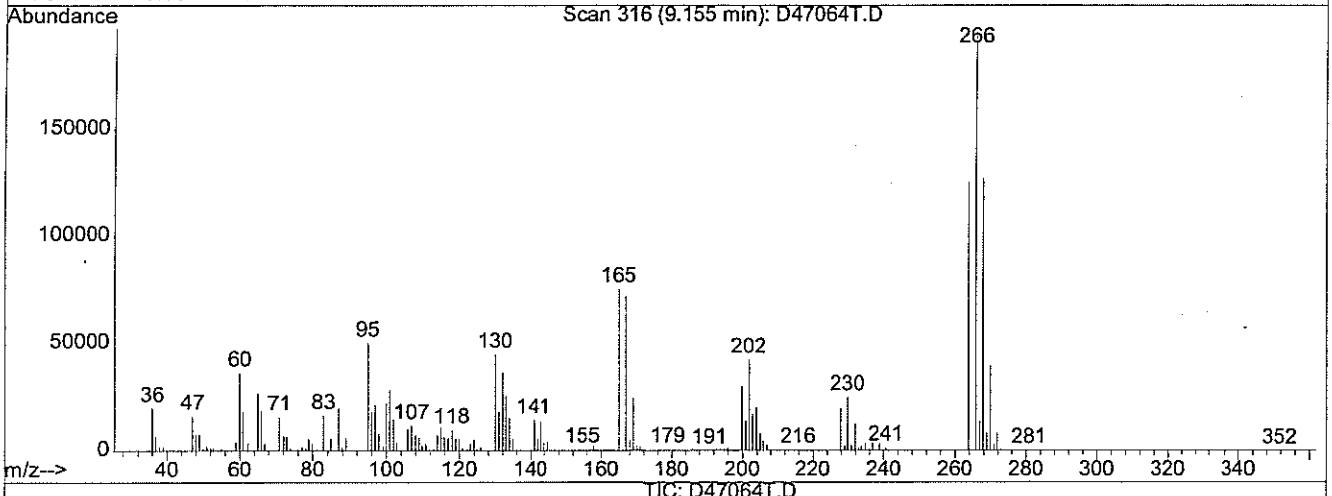
Data File : D:\HPCHEM\1\DATA\042506-D\D47064T.D Vial: 1
Acq On : 25 Apr 2006 8:31 pm Operator:
Sample : S6618 TUNEMIX 50NG Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 25 21:51 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX
Last Update : Fri Apr 21 21:21:23 2006
Response via : Single Level Calibration

4/25/06

4.27.06





TIC: D47064T.D

(1) PENTACHLOROPHENOL (T)

9.16min 28.12UG/L

response 331748

Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

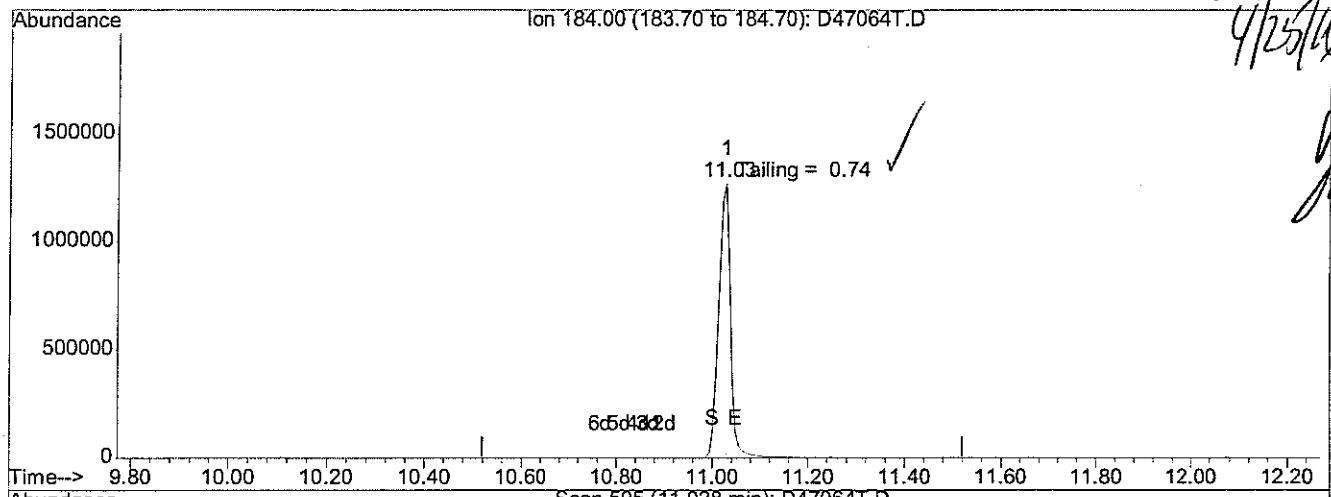
Quantitation Report (Qedit)

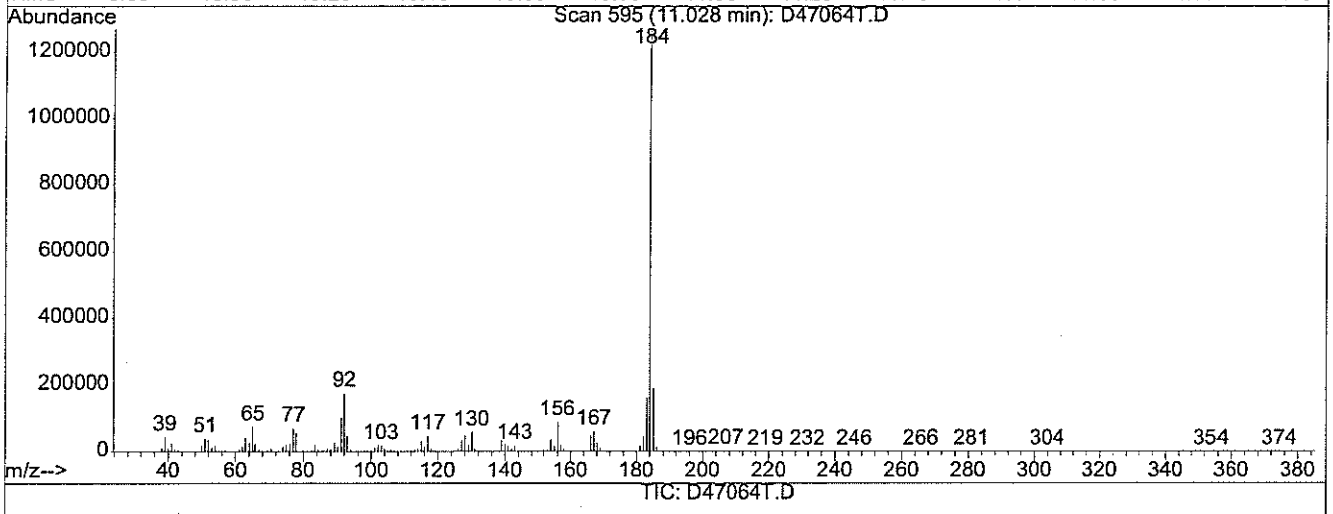
Data File : D:\HPCHEM\1\DATA\042506-D\D47064T.D Vial: 1
Acq On : 25 Apr 2006 8:31 pm Operator:
Sample : S6618 TUNEMIX 50NG Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 25 21:51 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX
Last Update : Fri Apr 21 21:21:23 2006
Response via : Single Level Calibration

4/25/06

4-27-06





TIC: D47064T.D

(3) BENZIDINE (T)

11.03min 39.44UG/L

response 2179073

Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Response Factor Report D Instrum

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 20:43:13 2006
Response via : Initial Calibration

4/4/06 ✓

4/3/06

Calibration Files
1 =D46729SI.D 2 =D46731SI.D 3 =D46732SI.D
4 =D46734SI.D 5 =D46735SI.D 2A =D46730SI.D

		Compound	1	2	3	4	5	2A	Avg	%RSD
1)	I	d4-1,4-dichlorobenzen	----------ISTD----------							
2)	TM	Pyridine	2.011	2.640	2.131	2.029	1.987	2.088	2.136	10.65
3)	TM	N-nitrosodimethylam	1.271	1.197	1.149	1.059	1.045	1.167	1.139	7.15
4)	S	2-Fluorophenol	1.419	1.316	1.256	1.293	1.311	1.120	1.290	6.95
5)	S	d5-Phenol	1.329	1.728	1.609	1.625	1.626	1.619	1.603	8.00
6)	TM	Aniline	2.005	2.249	2.070	2.081	1.978	2.024	2.080	4.51
7)	TMC	Phenol	1.743	1.854	1.782	1.730	1.717	1.806	1.774	2.70
8)	TM	2-Chlorophenol	1.336	1.440	1.328	1.256	1.107	1.245	1.286	7.95
9)	TM	bis(2-chloroethyl)	1.364	1.539	1.433	1.452	1.460	1.300	1.433	5.49
10)	TM	1,3-Dichlorobenzene	1.475	1.563	1.556	1.482	1.472	1.527	1.516	2.57
11)	TMC	1,4-Dichlorobenzene	1.585	1.594	1.549	1.528	1.482	1.562	1.549	2.41
12)	TM	1,2-Dichlorobenzene	1.503	1.512	1.385	1.384	1.325	1.480	1.428	4.95
13)	TM	Benzyl Alcohol	0.737	0.820	0.771	0.801	0.812	0.705	0.783	6.07
14)	TM	2-Methylphenol	1.090	1.216	1.135	1.095	1.035	1.161	1.124	5.14
15)	TM	bis(2-chloroisoprop	2.422	2.807	2.458	2.546	2.415	2.770	2.584	6.39
16)	TM	3+4-Methylphenol	1.187	1.287	1.155	1.136	1.111	1.217	1.182	4.91
17)	TM	Hexachloroethane	0.564	0.620	0.610	0.576	0.538	0.601	0.586	4.87
18)	TMP	N-nitroso-di-n-prop	1.067	1.128	1.117	1.121	1.029	1.130	1.107	3.89
19)	I	d8-Naphthalene	----------ISTD----------							
20)	S	d5-nitrobenzene	0.395	0.520	0.459	0.427	0.440	0.521	0.458	10.23
21)	TM	Nitrobenzene	0.178	0.237	0.211	0.207	0.219	0.236	0.215	9.22
22)	TM	Isophorone	0.674	0.840	0.798	0.773	0.842	0.884	0.800	8.38
23)	TCM	2-Nitrophenol	0.188	0.263	0.240	0.238	0.250	0.257	0.240	10.24
24)	TM	2,4-Dimethylphenol	0.327	0.380	0.354	0.338	0.335	0.393	0.354	6.91
25)	TM	Bis(2-chloroethoxy)	0.441	0.522	0.484	0.461	0.506	0.572	0.493	9.07
26)	TCM	2,4-Dichlorophenol	0.290	0.321	0.293	0.280	0.289	0.310	0.296	4.83
27)	TM	Benzoic Acid	0.142	0.154	0.170	0.208	0.247	0.108	0.176	26.41 Q
28)	TM	1,2,4-Trichlorobenz	0.266	0.307	0.294	0.290	0.306	0.331	0.298	6.66
29)	TM	Naphthalene	1.100	1.112	1.029	0.948	0.964	1.061	1.026	6.58
30)	T	2,6-Dichlorophenol	0.284	0.315	0.290	0.278	0.279	0.321	0.293	5.96
31)	TM	4-Chloroaniline	0.462	0.503	0.452	0.463	0.479	0.501	0.473	4.48
32)	TCM	Hexachlorobutadiene	0.198	0.191	0.180	0.175	0.180	0.201	0.186	5.65
33)	TMC	4-Chloro-3-methylph	0.291	0.296	0.297	0.301	0.317	0.286	0.299	3.41
34)	TM	2-Methylnaphthalene	0.591	0.579	0.581	0.560	0.560	0.581	0.575	2.02
35)	I	d10-Acenaphthene	----------ISTD----------							
36)	TPM	Hexachlorocyclopent	0.130	0.204	0.251	0.290	0.294	0.137	0.226	31.15 Q
37)	TCM	2,4,6-Trichlorophen	0.369	0.371	0.375	0.356	0.329	0.361	0.361	4.25
38)	TM	2,4,5-Trichlorophen	0.382	0.387	0.399	0.408	0.402	0.356	0.390	4.53
39)	S	2-Fluorobiphenyl	1.355	1.304	1.291	1.182	1.091	1.317	1.248	7.49
40)	TM	2-Chloronaphthalene	1.286	1.236	1.212	1.104	1.034	1.246	1.178	7.72
41)	TM	2-Nitroaniline	0.476	0.530	0.557	0.568	0.558	0.461	0.530	8.26

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report D Instrum

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 20:43:13 2006
Response via : Initial Calibration

Calibration Files
1 =D46729SI.D 2 =D46731SI.D 3 =D46732SI.D
4 =D46734SI.D 5 =D46735SI.D 2A =D46730SI.D

		Compound	1	2	3	4	5	2A	Avg	%RSD
42)	TM	2,6-Dinitrotoluene	0.329	0.355	0.366	0.369	0.367	0.335	0.356	4.86
43)	TM	Dimethyl Phthalate	1.465	1.439	1.442	1.400	1.338	1.417	1.415	2.90
44)	TM	Acenaphthylene	2.034	2.072	2.065	1.944	1.807	2.056	1.995	4.76
45)	TM	3-Nitroaniline	0.402	0.453	0.425	0.416	0.399	0.392	0.416	4.96
46)	TMC	Acenaphthene	1.240	1.282	1.172	1.103	1.029	1.241	1.169	7.79
47)	TPM	2,4-dinitrophenol	0.072	0.117	0.153	0.208	0.222	0.073	0.149	42.54
48)	TM	Dibenzofuran	1.737	1.832	1.728	1.622	1.529	1.725	1.694	5.69
49)	TMP	4-Nitrophenol	0.124	0.161	0.162	0.168	0.168	0.135	0.155	11.70
50)	TM	2,4-Dinitrotoluene	0.379	0.476	0.471	0.489	0.481	0.393	0.454	10.38
51)	T	2,3,4,6-Tetrachloro	0.259	0.281	0.297	0.304	0.290	0.241	0.282	8.51
52)	TM	Fluorene	1.431	1.473	1.375	1.250	1.134	1.389	1.335	8.74
53)	TM	Diethyl Phthalate	1.501	1.616	1.552	1.464	1.184	1.516	1.474	9.31
54)	TM	4-Chlorophenyl phen	0.669	0.695	0.656	0.622	0.565	0.648	0.641	6.43
55)	TM	4-Nitroaniline	0.405	0.477	0.482	0.470	0.379	0.426	0.445	9.27
56)	TM	4,6-Dinitro-2-methy	0.165	0.267	0.285	0.318	0.272	0.191	0.259	22.74
57)	TCM	n-nitrosodiphenylam	0.886	0.976	0.940	0.878	0.801	0.912	0.901	6.10
58)	TM	Azobenzene	1.871	2.075	1.985	2.019	1.775	1.977	1.947	5.12
)	TM	Biphenyl	1.693	1.667	1.604	1.476	1.315	1.633	1.554	8.64
60)	S	2,4,6-Tribromopheno	0.195	0.227	0.227	0.223	0.213	0.196	0.216	6.84
61)	I	d10-Phenanthrene	ISTD							
62)	TM	4-bromophenyl pheny	0.232	0.233	0.233	0.231	0.217	0.241	0.231	3.19
63)	TM	Hexachlorobenzene	0.253	0.258	0.249	0.245	0.228	0.266	0.250	4.68
64)	TMC	Pentachlorophenol		0.103	0.125	0.148	0.148	0.068	0.122	25.90#
65)	TM	Phenanthrene	1.096	1.113	1.074	1.004	0.962	1.171	1.064	6.66
66)	TM	Anthracene	1.093	1.132	1.079	1.035	0.955	1.160	1.073	6.27
67)	TM	Carbazole	1.004	1.081	1.063	0.987	0.926	1.143	1.032	6.83
68)	TM	Di-n-butyl phthalat	1.491	1.555	1.561	1.422	1.212	1.523	1.463	8.25
69)	TCM	Fluoranthene	1.137	1.105	1.100	1.023	0.943	1.142	1.073	6.61
70)	TM	Benzidine	0.461	0.420	0.374	0.279	0.236	0.536	0.371	29.30
71)	I	d12-Chrysene	ISTD							
72)	TM	Pyrene	1.097	1.259	1.188	1.211	1.163	1.155	1.187	4.62
73)	S	d14-p-terphenyl	0.841	0.893	0.844	0.821	0.757	0.856	0.837	4.93
74)	TM	Butyl benzyl phthal	0.614	0.731	0.747	0.759	0.743	0.675	0.721	7.80
75)	TM	Benzo[a]anthracene	1.081	1.140	1.140	1.145	1.114	1.097	1.128	2.98
76)	TM	Chrysene	1.137	1.134	1.119	1.091	1.072	1.108	1.112	2.11
77)	TM	3,3'-Dichlorobenzid	0.372	0.391	0.393	0.426	0.437	0.368	0.402	6.82
78)	TM	Bis (2-ethylhexyl)	0.907	1.032	1.067	1.065	1.002	1.018	1.027	6.00
79)	I	d12-Perylene	ISTD							
80)	TCM	di-n-octyl-phthalat	1.612	1.770	1.852	1.701	1.530	1.582	1.688	6.94
)	TM	Benzo[b] fluoranthe	1.112	1.162	1.141	1.098	1.204	1.073	1.135	3.89
)	TM	Benzo[k] fluoranthe	1.085	1.139	1.133	1.076	0.926	1.092	1.077	6.61

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report D Instrum

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 20:43:13 2006
Response via : Initial Calibration

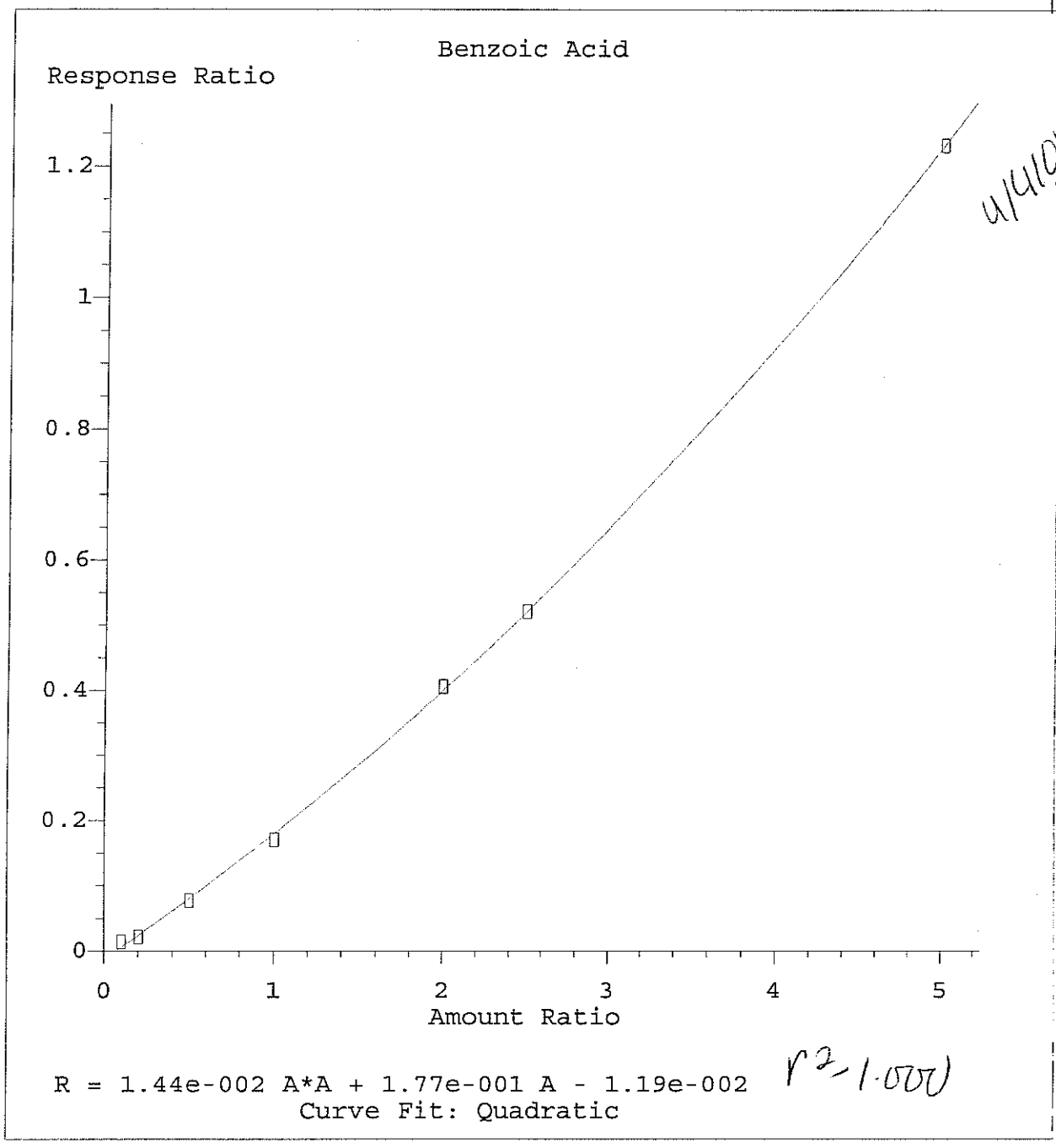
Calibration Files
1 =D46729SI.D 2 =D46731SI.D 3 =D46732SI.D
4 =D46734SI.D 5 =D46735SI.D 2A =D46730SI.D

	Compound	1	2	3	4	5	2A	Avg	%RSD
83)	TCM Benzo[a] pyrene	1.070	1.090	1.068	1.072	1.064	1.011	1.066	2.45
84)	TM Indeno [1,2,3-cd] p	0.878	1.033	1.082	1.138	1.038	0.950	1.038	9.39
85)	TM Dibenz [a,h] anthra	0.824	1.025	1.041	1.113	0.943	0.937	1.000	10.58
86)	TM Benzo(g,h,i) peryl	0.936	1.086	1.089	1.078	0.879	0.972	1.020	8.80

(#) = Out of Range ### Number of calibration levels exceeded format ###

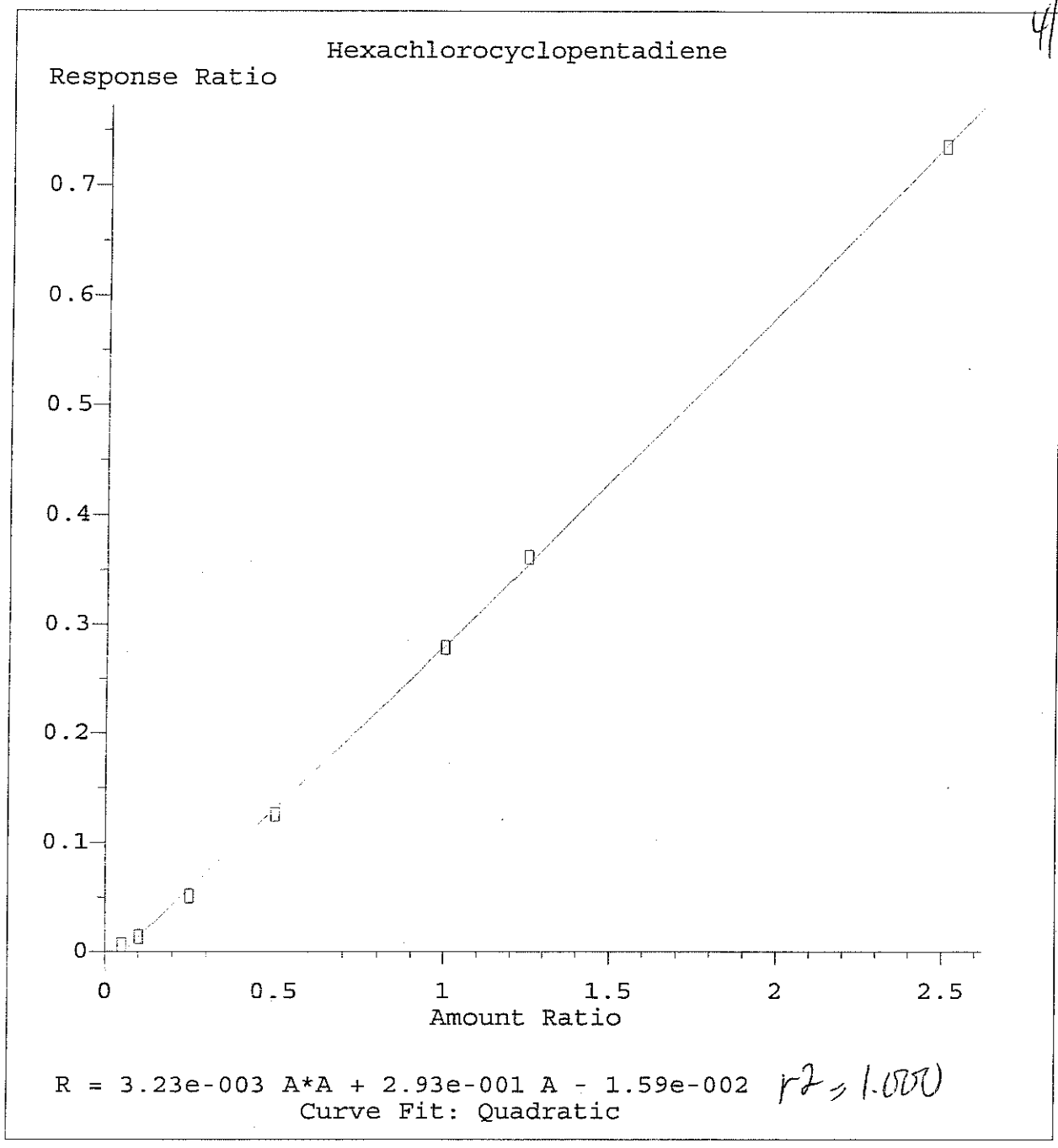
4/3/06

4/4/06 SL



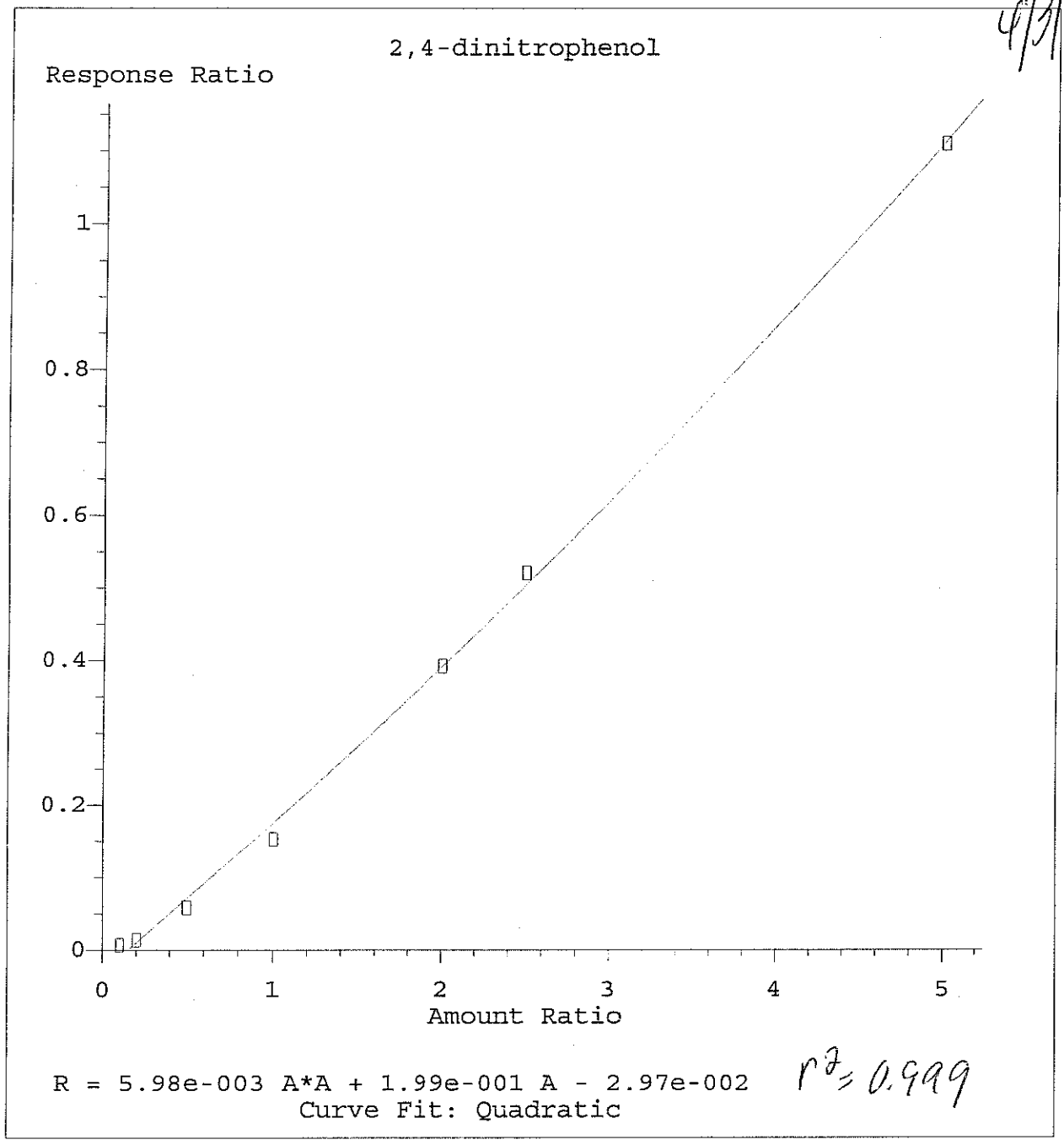
R = 1.44e-002 A*A + 1.77e-001 A - 1.19e-002 $r^2 = 1.000$
Curve Fit: Quadratic

Method Name: D:\HPCHEM\1\METHODS\S04036.M
Calibration Table Last Updated: Mon Apr 03 20:41:27 2006

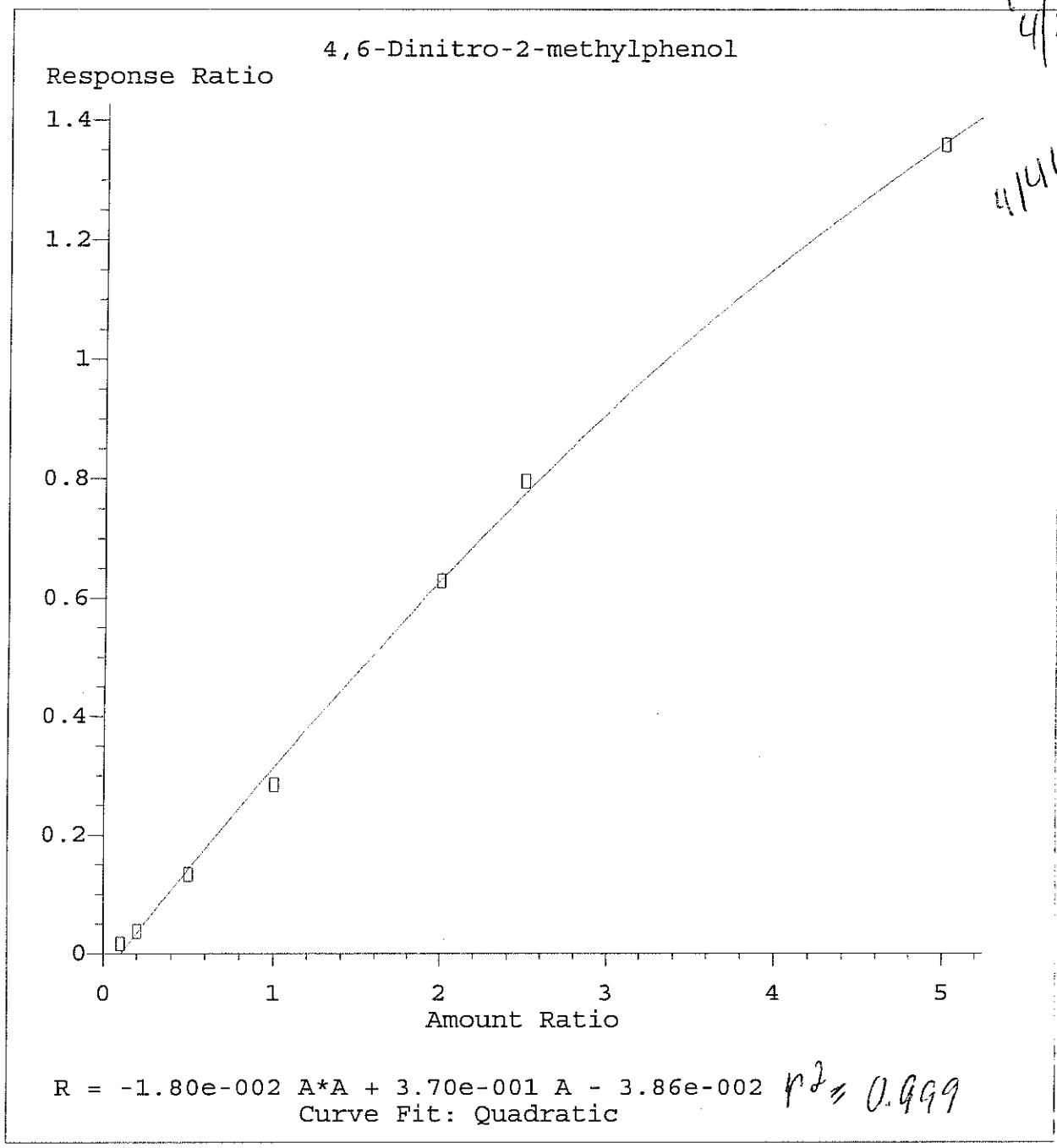


r2 = 1.000

Method Name: D:\HPCHEM\1\METHODS\S04036.M
Calibration Table Last Updated: Mon Apr 03 20:42:28 2006

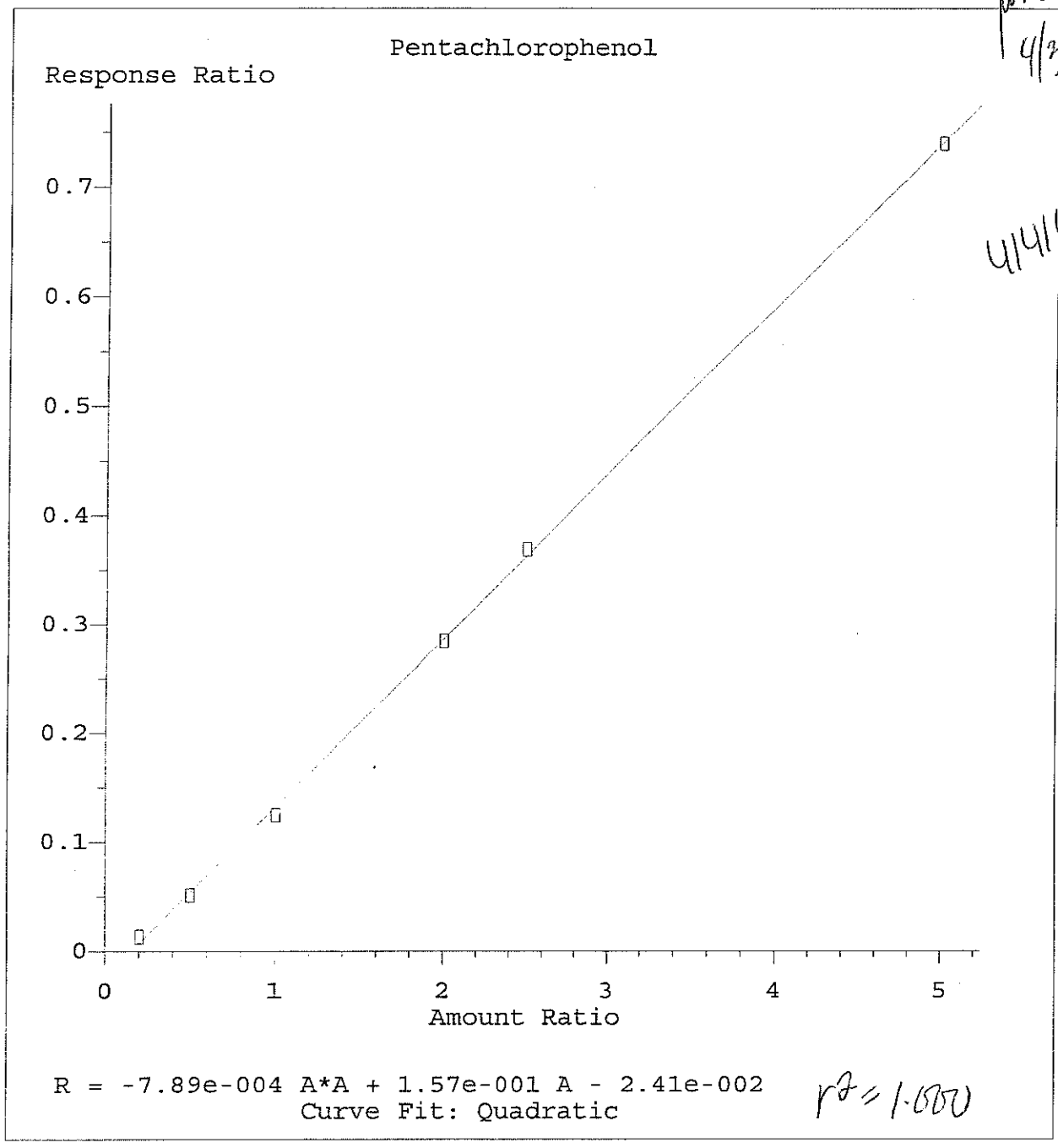


Method Name: D:\HPCHEM\1\METHODS\S04036.M
Calibration Table Last Updated: Mon Apr 03 20:42:37 2006



$r^2 = 0.999$

Method Name: D:\HPCHEM\1\METHODS\S04036.M
Calibration Table Last Updated: Mon Apr 03 20:42:47 2006

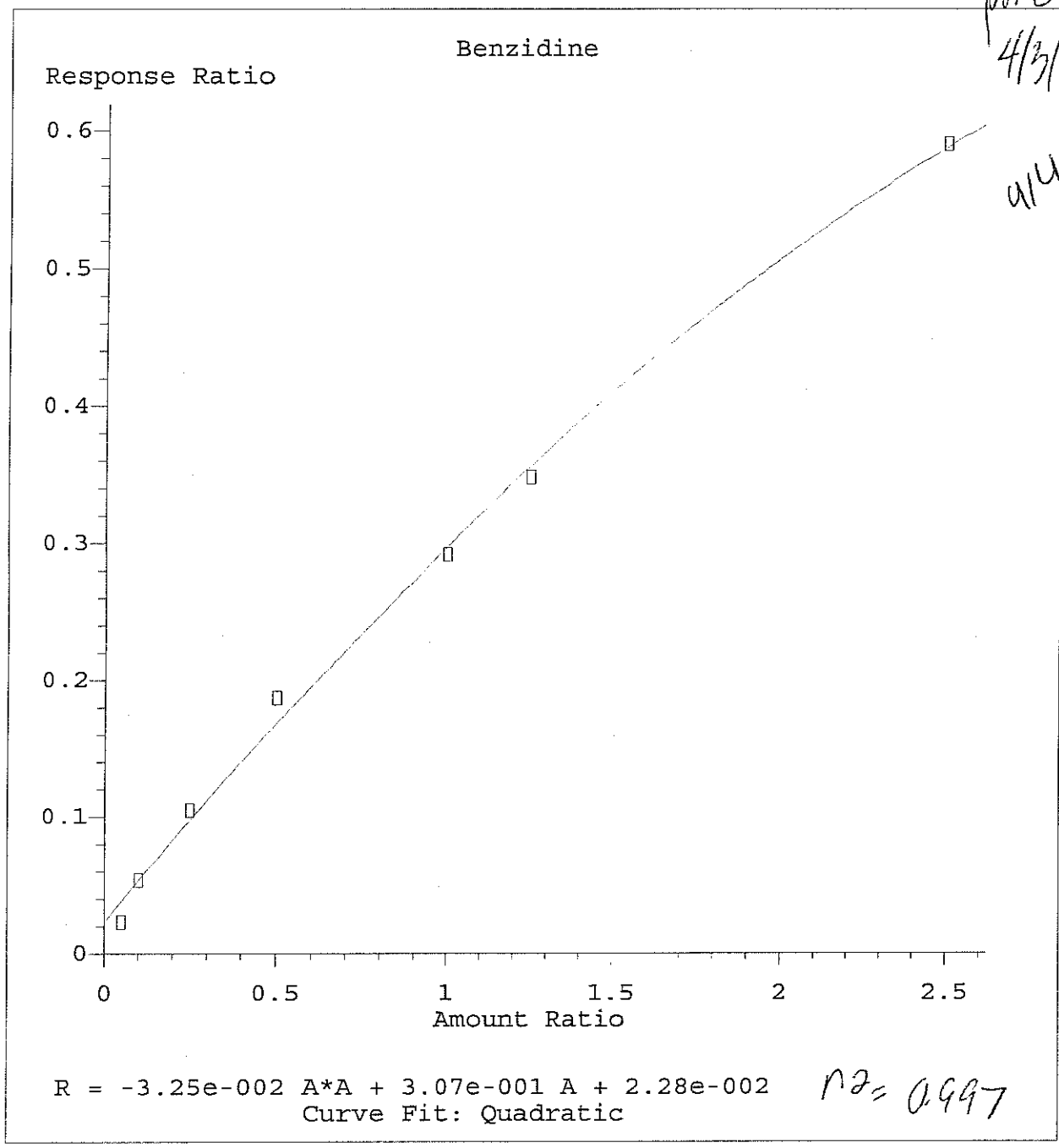


4/3/06

4/4/06

$r^2 = 1.000$

Method Name: D:\HPCHEM\1\METHODS\S04036.M
Calibration Table Last Updated: Mon Apr 03 20:42:57 2006



4/3/06

4/4/06 SL

$r^2 = 0.997$

Method Name: D:\HPCHEM\1\METHODS\S04036.M
Calibration Table Last Updated: Mon Apr 03 20:43:05 2006

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\040306-D\D46729SI.D Vial: 2
Acq On : 3 Apr 2006 3:02 pm Operator:
Sample : S6745 ABN PT 1 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 3 20:36 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 19:46:13 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4/4/06 SL 4/3/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	6.11	152	466247	40.00	ug/ml	0.00
19) d8-Naphthalene	9.06	136	1790556	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.37	164	890551	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.95	188	1341487	40.00	ug/ml	0.00
71) d12-Chrysene	23.44	240	1390468	40.00	ug/ml	0.00
79) d12-Perylene	27.66	264	1331227	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.98	112	66165	4.40	ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery =	5.87%#		
5) d5-Phenol	6.01	99	61958	3.27	ug/ml	0.00
Spiked Amount 75.000	Range 22 - 110		Recovery =	4.36%#		
20) d5-nitrobenzene	7.44	82	70737	3.45	ug/ml	0.00
Spiked Amount 50.000	Range 45 - 107		Recovery =	6.90%#		
39) 2-Fluorobiphenyl	11.74	172	120626	4.34	ug/ml	0.00
Spiked Amount 50.000	Range 44 - 102		Recovery =	8.68%#		
60) 2,4,6-Tribromophenol	15.38	330	17340	3.61	ug/ml	0.00
Spiked Amount 75.000	Range 63 - 127		Recovery =	4.81%#		
73) d14-p-terphenyl	20.90	244	116979	4.02	ug/ml	0.00
Spiked Amount 50.000	Range 33 - 132		Recovery =	8.04%#		
Target Compounds						Qvalue
2) Pyridine	1.84	79	46885	1.88	ug/ml	93
3) N-nitrosodimethylamine	1.80	42	29638	2.23	ug/ml	89
6) Aniline	5.54	93	46732	1.93	ug/ml	93
7) Phenol	6.04	94	81269	3.93	ug/ml	90
8) 2-Chlorophenol	5.96	128	62302	4.15	ug/ml	97
9) bis(2-chloroethyl) ether	5.64	93	31801	1.90	ug/ml	99
10) 1,3-Dichlorobenzene	6.04	146	34393	1.95	ug/ml	89
11) 1,4-Dichlorobenzene	6.15	146	36952	2.05	ug/ml#	83
12) 1,2-Dichlorobenzene	6.56	146	35037	2.10	ug/ml	100
13) Benzyl Alcohol	6.57	108	17186m	1.88	ug/ml	
14) 2-Methylphenol	7.18	108	50839	3.88	ug/ml	95
15) bis(2-chloroisopropyl)ethe	6.83	45	56465	1.88	ug/ml	97
16) 3+4-Methylphenol	7.52	108	55336	4.02	ug/ml	96
17) Hexachloroethane	7.23	117	13151	1.92	ug/ml	92
18) N-nitroso-di-n-propylamine	7.16	70	24871	1.93	ug/ml	93
21) Nitrobenzene	7.48	123	15955	1.66	ug/ml#	63
22) Isophorone	8.02	82	60383	1.68	ug/ml	99
23) 2-Nitrophenol	8.24	139	33670	3.14	ug/ml	91
24) 2,4-Dimethylphenol	8.63	107	58634	3.70	ug/ml	99
25) Bis(2-chloroethoxy)methane	8.59	93	39524	1.79	ug/ml	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\040306-D\D46729SI.D Vial: 2
Acq On : 3 Apr 2006 3:02 pm Operator:
Sample : S6745 ABN PT 1 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 3 20:36 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 19:46:13 2006
Response via : Initial Calibration
DataAcq Meth : ABN

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26)	2,4-Dichlorophenol	9.17	162	51898	3.92 ug/ml#	79
27)	Benzoic Acid	9.05	105	25512m	3.15 ug/ml	
28)	1,2,4-Trichlorobenzene	8.96	180	23817	1.78 ug/ml	94
29)	Naphthalene	9.10	128	98457	2.14 ug/ml	98
30)	2,6-Dichlorophenol	9.44	162	50882	3.88 ug/ml	96
31)	4-Chloroaniline	9.36	127	41375	1.95 ug/ml	99
32)	Hexachlorobutadiene	9.55	225	17704	2.12 ug/ml	98
33)	4-Chloro-3-methylphenol	11.06	107	52060	3.89 ug/ml	96
34)	2-Methylnaphthalene	10.77	141	52944	2.06 ug/ml	96
36)	Hexachlorocyclopentadiene	11.33	237	5784	1.15 ug/ml	96
37)	2,4,6-Trichlorophenol	11.73	196	32892	4.09 ug/ml	96
38)	2,4,5-Trichlorophenol	12.22	196	33998	3.91 ug/ml	100
40)	2-Chloronaphthalene	11.95	162	57279	2.18 ug/ml	98
41)	2-Nitroaniline	12.39	138	21182	1.80 ug/ml	92
42)	2,6-Dinitrotoluene	13.06	165	14639	1.85 ug/ml	94
43)	Dimethyl Phthalate	12.88	163	65244	2.07 ug/ml	98
44)	Acenaphthylene	12.98	152	90554	2.04 ug/ml	98
45)	3-Nitroaniline	13.42	138	17915	1.93 ug/ml	94
46)	Acenaphthene	13.43	154	55216	2.12 ug/ml	98
47)	2,4-dinitrophenol	13.67	184	6368	1.92 ug/ml#	71
48)	Dibenzofuran	13.82	168	77354	2.05 ug/ml	98
49)	4-Nitrophenol	14.83	109	11040	3.15 ug/ml	99
50)	2,4-Dinitrotoluene	14.01	165	16898	1.67 ug/ml	98
51)	2,3,4,6-Tetrachlorophenol	14.43	232	23102	3.68 ug/ml	98
52)	Fluorene	14.66	166	63697	2.14 ug/ml	99
53)	Diethyl Phthalate	14.61	149	66842	2.04 ug/ml	95
54)	4-Chlorophenyl phenyl eth	14.70	204	29809	2.09 ug/ml	100
55)	4-Nitroaniline	14.94	138	18030	1.81 ug/ml#	84
56)	4,6-Dinitro-2-methylphenol	14.98	198	14732	2.55 ug/ml	100
57)	n-nitrosodiphenylamine	15.04	169	39465	1.97 ug/ml	95
58)	Azobenzene	15.08	77	83313	1.92 ug/ml	98
59)	Biphenyl	11.95	154	75373	2.18 ug/ml	97
62)	4-bromophenyl phenyl ether	15.88	248	15568	2.01 ug/ml	95
63)	Hexachlorobenzene	16.20	284	16968	2.03 ug/ml	98
64)	Pentachlorophenol	16.83	266	10990	2.68 ug/ml#	84
65)	Phenanthrene	16.99	178	73486	2.06 ug/ml	99
66)	Anthracene	17.10	178	73306	2.04 ug/ml	100
67)	Carbazole	17.59	167	67356	1.95 ug/ml	98
68)	Di-n-butyl phthalate	18.59	149	100005	2.04 ug/ml	99
69)	Fluoranthene	19.90	202	76251	2.12 ug/ml	98
70)	Benzidine	20.32	184	30951	2.49 ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\040306-D\D46729SI.D Vial: 2
Acq On : 3 Apr 2006 3:02 pm Operator:
Sample : S6745 ABN PT 1 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 3 20:36 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 19:46:13 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
72) Pyrene	20.44	202	76272	1.85 ug/ml	97
74) Butyl benzyl phthalate	22.22	149	42718	1.71 ug/ml	94
75) Benzo[a]anthracene	23.37	228	75139	1.92 ug/ml	98
76) Chrysene	23.48	228	79071	2.05 ug/ml	99
77) 3,3'-Dichlorobenzidine	23.42	252	25856	1.85 ug/ml#	89
78) Bis (2-ethylhexyl) phthala	23.69	149	63091	1.77 ug/ml	96
80) di-n-octyl-phthalate	25.36	149	107329	1.91 ug/ml#	92
81) Benzo[b] fluoranthene	26.39	252	73993	1.96 ug/ml	96
82) Benzo[k] fluoranthene	26.46	252	72210	2.00 ug/ml	99
83) Benzo[a] pyrene	27.42	252	71242	2.01 ug/ml	97
84) Indeno [1,2,3-cd] pyrene	31.76	276	58422	1.70 ug/ml#	87
85) Dibenz [a,h] anthracene	31.88	278	54849	1.64 ug/ml	98
86) Benzo(g,h,i) perylene	32.94	276	62286	1.83 ug/ml#	88

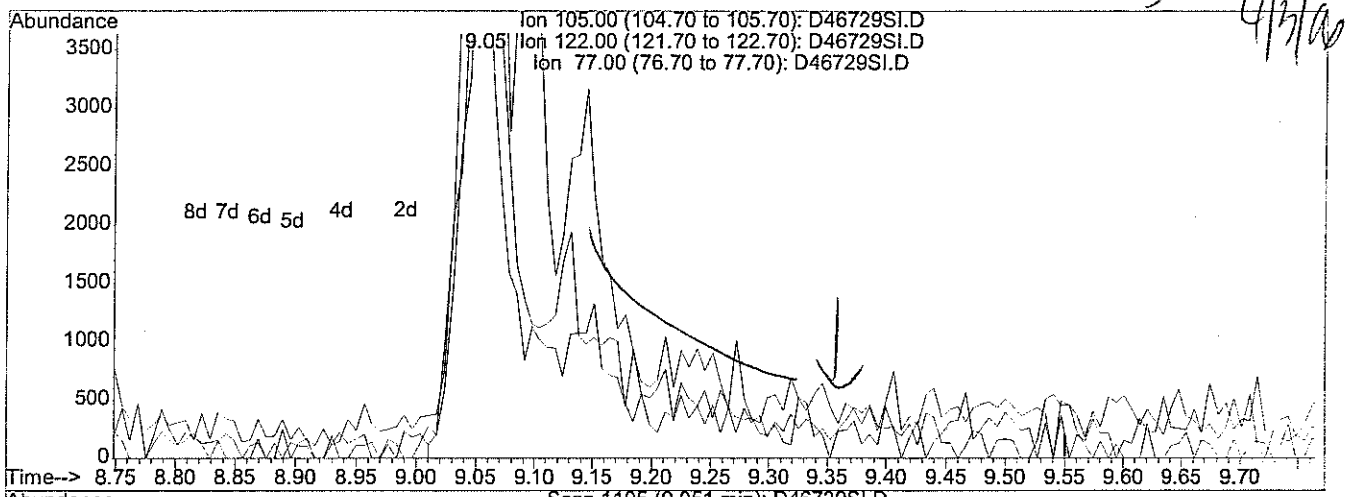
(#) = qualifier out of range (m) = manual integration

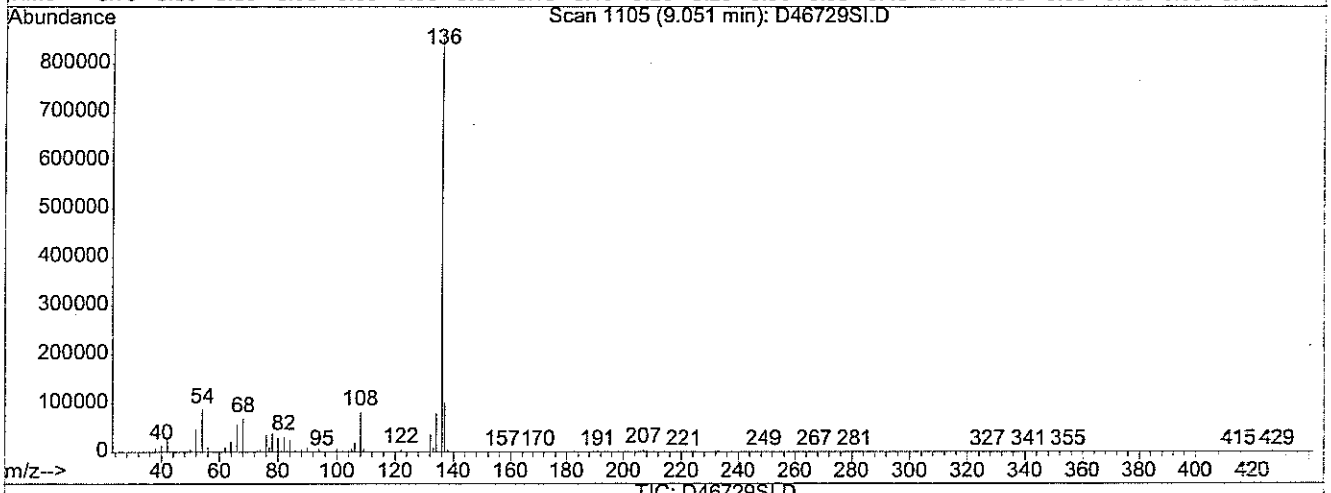
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\040306-D\D46729SI.D Vial: 2
Acq On : 3 Apr 2006 3:02 pm Operator:
Sample : S6745 ABN PT 1 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 3 20:36 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 19:48:24 2006
Response via : Multiple Level Calibration

4/4/06 SL 4/3/06





TIC: D46729SI.D

(27) Benzoic Acid (TM)

9.05min 3.15ug/ml m

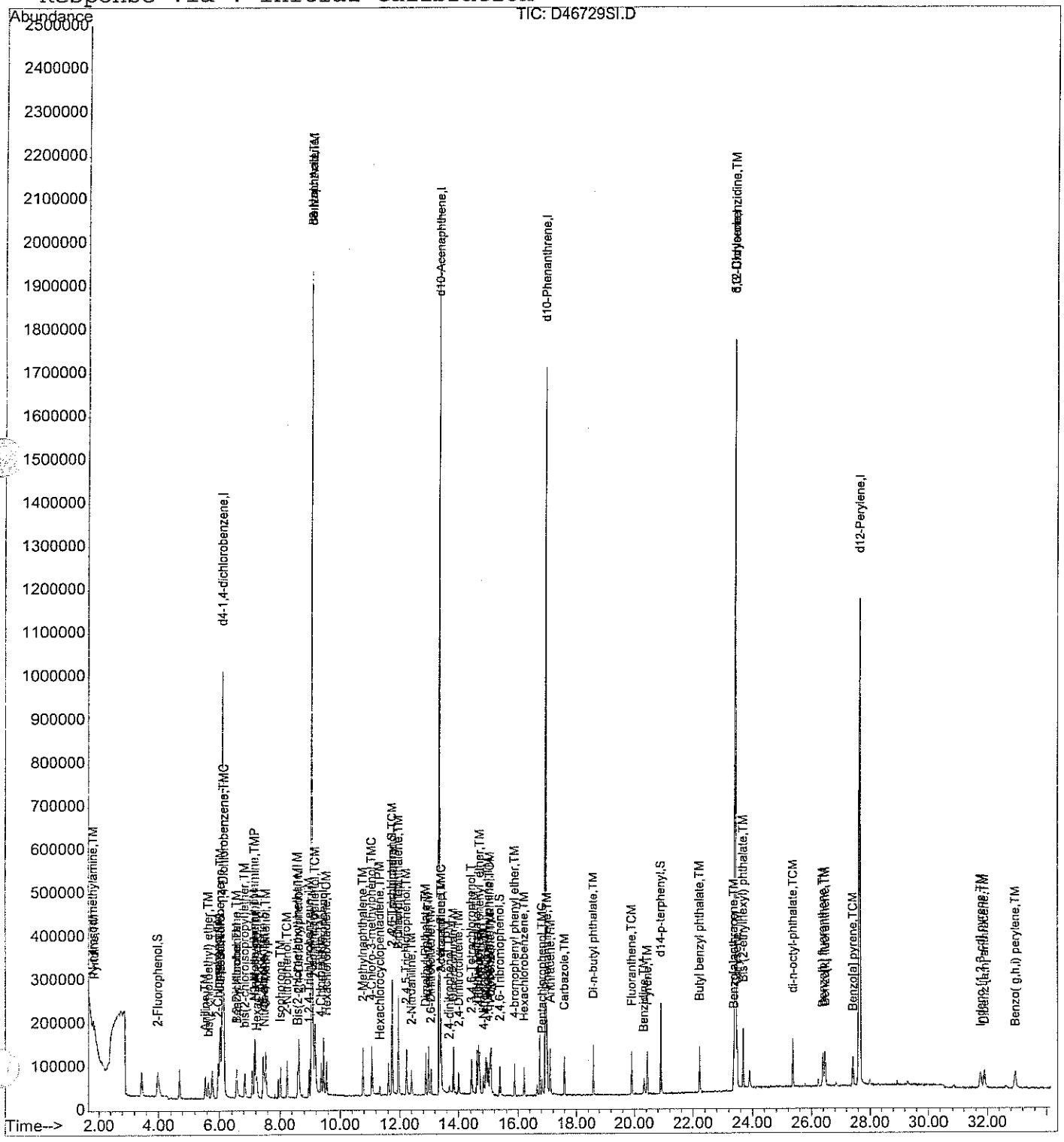
response 25512

Ion	Exp%	Act%
105.00	100	100
122.00	0.50	51.45#
77.00	51.20	66.63#
0.00	0.00	0.00

Quantitation Report

Data File : D:\HPCHEM\1\DATA\040306-D\D46729SI.D Vial: 2
Acq On : 3 Apr 2006 3:02 pm Operator:
Sample : S6745 ABN PT 1 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 3 20:36 2006 Quant Results File: S04036.RES

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 20:41:27 2006
Response via : Initial Calibration

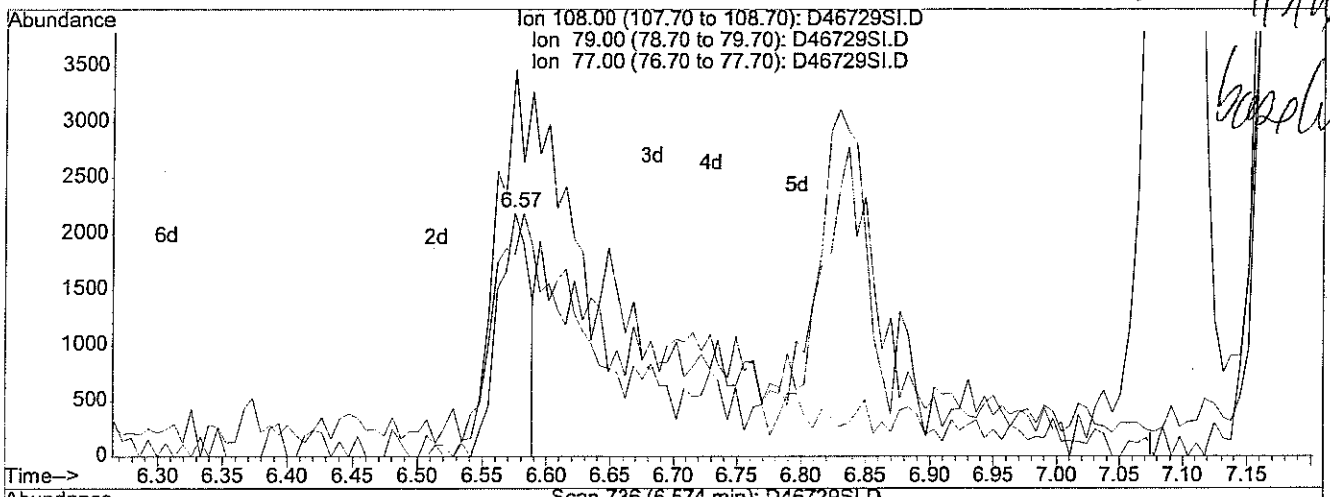


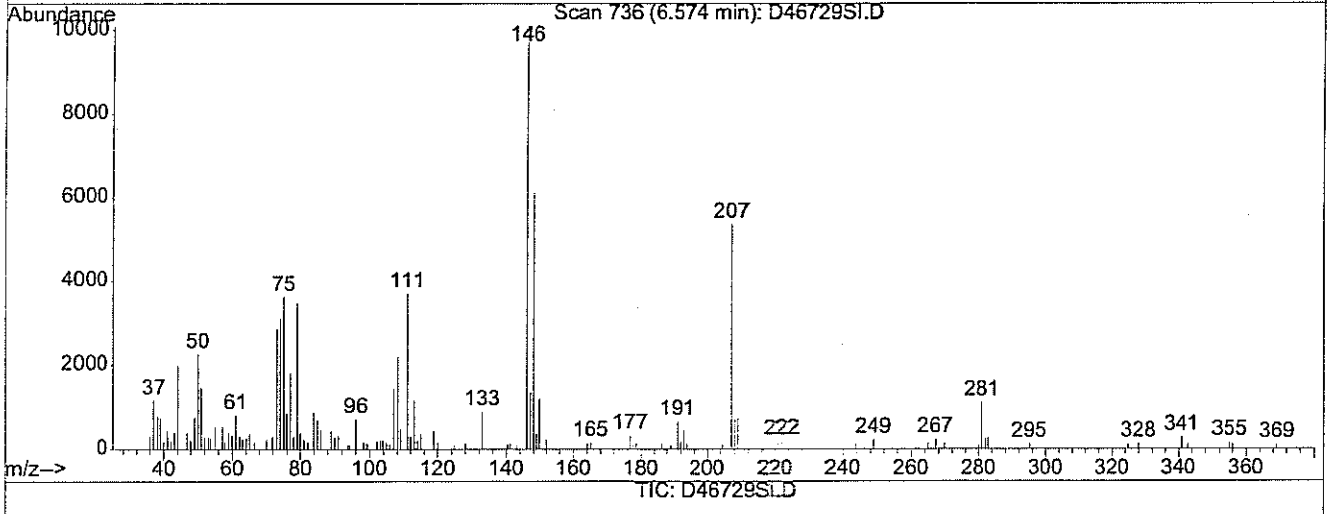
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\040306-D\D46729SI.D Vial: 2
Acq On : 3 Apr 2006 3:02 pm Operator:
Sample : S6745 ABN PT 1 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 3 19:46 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 19:48:24 2006
Response via : Multiple Level Calibration

4/4/06 SL 4/3/06





(13) Benzyl Alcohol (TM)

6.57min 0.42ug/ml

response 3823

Ion	Exp%	Act%
108.00	100	100
79.00	148.50	332.64#
77.00	92.90	161.71#
0.00	0.00	0.00

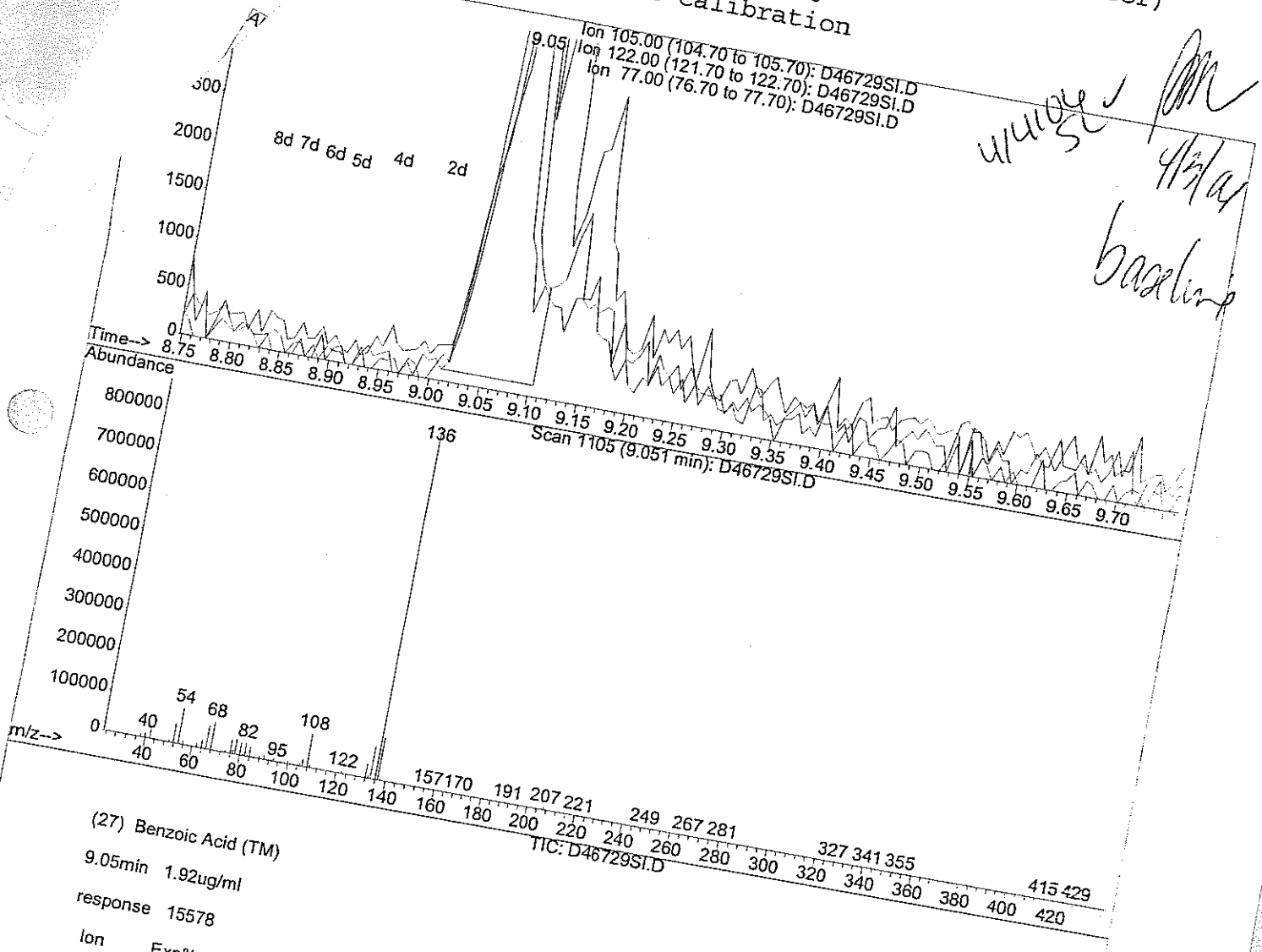
Quantitation Report (Qedit)

HEM\1\DATA\040306-D\D46729SI.D
2006 3:02 pm
N PT 1

Vial: 2
Operator:
Inst : D In
Multiplr: 1.00

Data rams: RTEINT.P
Acq 3 20:36 2006
Samp
Mis
MS : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Qu : ABN
: Mon Apr 03 19:48:24 2006
Mia : Multiple Level Calibration

Quant Results File: temp.



4/4/04 SL ✓ 4/3/04 baseline

(27) Benzoic Acid (TM)

9.05min 1.92ug/ml

response 15578

Ion	Exp%	Act%
105.00	100	100
122.00	0.50	84.25#
77.00	51.20	109.12#
0.00	0.00	0.00

729SI.D S04036.M

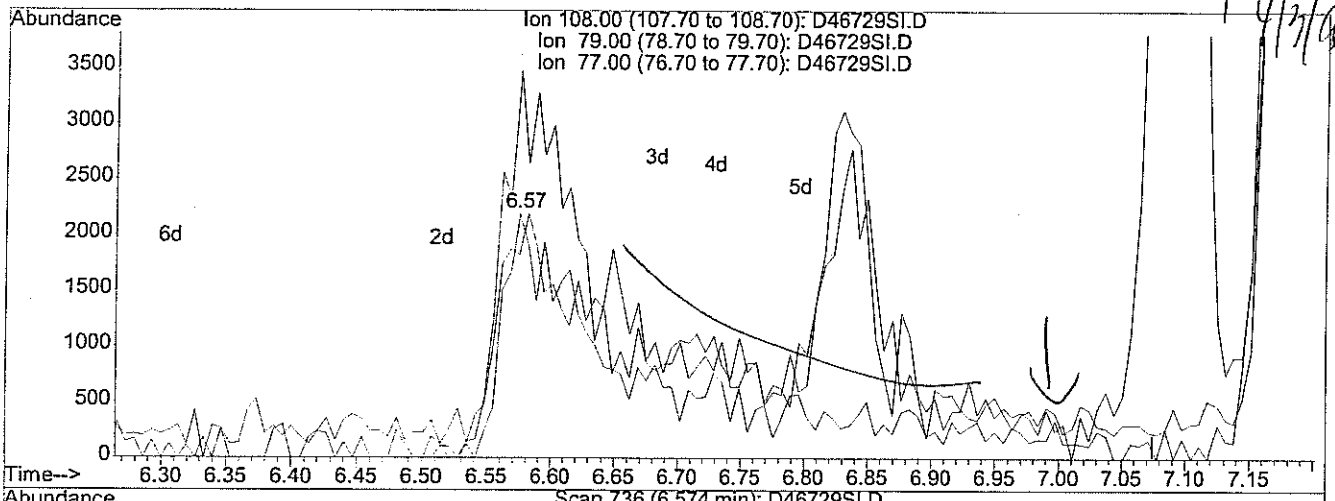
Apr 03 20:36

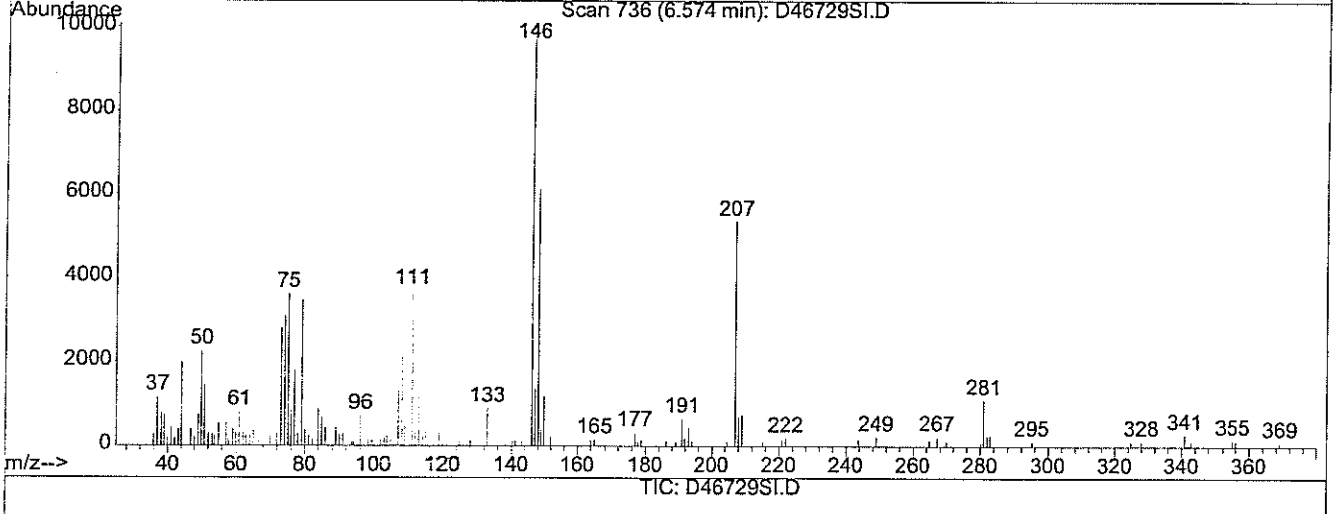
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\040306-D\D46729SI.D Vial: 2
Acq On : 3 Apr 2006 3:02 pm Operator:
Sample : S6745 ABN PT 1 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 3 20:36 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 19:48:24 2006
Response via : Multiple Level Calibration

4/4/04 SI ✓ 4/3/06





TIC: D46729SI.D

(13) Benzyl Alcohol (TM)

6.57min 1.88ug/ml m

response 17186

Ion	Exp%	Act%
108.00	100	100
79.00	148.50	74.00#
77.00	92.90	35.97#
0.00	0.00	0.00

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\040306-D\D46730SI.D Vial: 3
Acq On : 3 Apr 2006 4:08 pm Operator:
Sample : S6744 ABN PT 2A Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 3 19:46 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 19:46:13 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4/4/06 SL ✓ 4/7/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	6.13	152	589842	40.00	ug/ml	0.02
19) d8-Naphthalene	9.06	136	1808598	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.37	164	899202	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.95	188	1484963	40.00	ug/ml	0.00
71) d12-Chrysene	23.44	240	1504248	40.00	ug/ml	0.00
79) d12-Perylene	27.68	264	1444513	40.00	ug/ml	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	4.00	112	132170	6.95	ug/ml	0.02
Spiked Amount 75.000	Range 28 - 110		Recovery = 9.27%#			
5) d5-Phenol	6.01	99	191019	7.96	ug/ml	0.00
Spiked Amount 75.000	Range 22 - 110		Recovery = 10.61%#			
20) d5-nitrobenzene	7.45	82	188490	9.10	ug/ml	0.01
Spiked Amount 50.000	Range 45 - 107		Recovery = 18.20%#			
39) 2-Fluorobiphenyl	11.75	172	236855	8.44	ug/ml	0.01
Spiked Amount 50.000	Range 44 - 102		Recovery = 16.88%#			
60) 2,4,6-Tribromophenol	15.39	330	35204	7.27	ug/ml	0.00
Spiked Amount 75.000	Range 63 - 127		Recovery = 9.69%#			
73) d14-p-terphenyl	20.91	244	257593	8.19	ug/ml	0.00
Spiked Amount 50.000	Range 33 - 132		Recovery = 16.38%#			
Target Compounds						Qvalue
2) Pyridine	1.84	79	123175	3.91	ug/ml	96
3) N-nitrosodimethylamine	1.80	42	68843	4.10	ug/ml	97
6) Aniline	5.55	93	119404	3.89	ug/ml	96
7) Phenol	6.04	94	213019	8.14	ug/ml	99
8) 2-Chlorophenol	5.98	128	146868	7.74	ug/ml	96
9) bis(2-chloroethyl) ether	5.65	93	76675	3.63	ug/ml	98
10) 1,3-Dichlorobenzene	6.04	146	90051	4.03	ug/ml	97
11) 1,4-Dichlorobenzene	6.16	146	92114	4.03	ug/ml	91
12) 1,2-Dichlorobenzene	6.57	146	87303	4.15	ug/ml	98
13) Benzyl Alcohol	6.57	108	41596	3.60	ug/ml	99
14) 2-Methylphenol	7.18	108	136991	8.26	ug/ml	96
15) bis(2-chloroisopropyl)ethe	6.85	45	163408	4.29	ug/ml	100
16) 3+4-Methylphenol	7.53	108	143609	8.24	ug/ml	99
17) Hexachloroethane	7.24	117	35453	4.10	ug/ml	98
18) N-nitroso-di-n-propylamine	7.16	70	66645	4.08	ug/ml	98
21) Nitrobenzene	7.49	123	42678	4.39	ug/ml	95
22) Isophorone	8.03	82	159846	4.41	ug/ml	99
23) 2-Nitrophenol	8.24	139	92847	8.56	ug/ml	98
24) 2,4-Dimethylphenol	8.63	107	142235	8.90	ug/ml	98
25) Bis(2-chloroethoxy)methane	8.60	93	103385	4.64	ug/ml	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\040306-D\D46730SI.D Vial: 3
Acq On : 3 Apr 2006 4:08 pm Operator:
Sample : S6744 ABN PT 2A Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 3 19:46 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 19:46:13 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 2,4-Dichlorophenol	9.17	162	111997	8.37 ug/ml	85
27) Benzoic Acid	9.07	105	39089	4.77 ug/ml#	39
28) 1,2,4-Trichlorobenzene	8.97	180	59925	4.44 ug/ml	98
29) Naphthalene	9.11	128	191899	4.14 ug/ml	100
30) 2,6-Dichlorophenol	9.44	162	116167	8.76 ug/ml	89
31) 4-Chloroaniline	9.37	127	90588	4.23 ug/ml	98
32) Hexachlorobutadiene	9.56	225	36402	4.32 ug/ml	98
33) 4-Chloro-3-methylphenol	11.05	107	103500	7.65 ug/ml	100
34) 2-Methylnaphthalene	10.78	141	105118	4.04 ug/ml	98
36) Hexachlorocyclopentadiene	11.34	237	12293	2.42 ug/ml	99
37) 2,4,6-Trichlorophenol	11.73	196	64836	7.99 ug/ml	97
38) 2,4,5-Trichlorophenol	12.22	196	63991	7.29 ug/ml	97
40) 2-Chloronaphthalene	11.96	162	112010	4.23 ug/ml	98
41) 2-Nitroaniline	12.40	138	41460	3.48 ug/ml	95
42) 2,6-Dinitrotoluene	13.07	165	30084	3.76 ug/ml	99
43) Dimethyl Phthalate	12.89	163	127417	4.01 ug/ml	99
44) Acenaphthylene	12.98	152	184918	4.12 ug/ml	99
45) 3-Nitroaniline	13.42	138	35255	3.77 ug/ml	96
46) Acenaphthene	13.44	154	111605	4.25 ug/ml	99
47) 2,4-dinitrophenol	13.69	184	13047	3.91 ug/ml#	80
48) Dibenzofuran	13.83	168	155142	4.07 ug/ml	97
49) 4-Nitrophenol	14.82	109	24208	6.83 ug/ml	96
50) 2,4-Dinitrotoluene	14.01	165	35322	3.46 ug/ml	98
51) 2,3,4,6-Tetrachlorophenol	14.43	232	43252	6.82 ug/ml	95
52) Fluorene	14.67	166	124857	4.16 ug/ml	98
53) Diethyl Phthalate	14.62	149	136285	4.11 ug/ml	98
54) 4-Chlorophenyl phenyl eth	14.71	204	58290	4.05 ug/ml	98
55) 4-Nitroaniline	14.94	138	38310	3.82 ug/ml#	69
56) 4,6-Dinitro-2-methylphenol	14.99	198	34398	5.90 ug/ml	93
57) n-nitrosodiphenylamine	15.05	169	81978	4.05 ug/ml	97
58) Azobenzene	15.09	77	177785	4.06 ug/ml#	91
59) Biphenyl	11.95	154	146822	4.20 ug/ml	97
62) 4-bromophenyl phenyl ether	15.89	248	35821	4.18 ug/ml	100
63) Hexachlorobenzene	16.21	284	39477	4.26 ug/ml	99
64) Pentachlorophenol	16.83	266	20298	4.47 ug/ml	93
65) Phenanthrene	17.00	178	173831	4.40 ug/ml	100
66) Anthracene	17.10	178	172212	4.32 ug/ml	98
67) Carbazole	17.60	167	169767	4.43 ug/ml	99
68) Di-n-butyl phthalate	18.59	149	226182	4.16 ug/ml	100
69) Fluoranthene	19.91	202	169556	4.26 ug/ml	99
70) Benzidine	20.33	184	79668	5.78 ug/ml	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\040306-D\D46730SI.D Vial: 3
Acq On : 3 Apr 2006 4:08 pm Operator:
Sample : S6744 ABN PT 2A Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 3 19:46 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 19:46:13 2006
Response via : Initial Calibration
DataAcq Meth : ABN

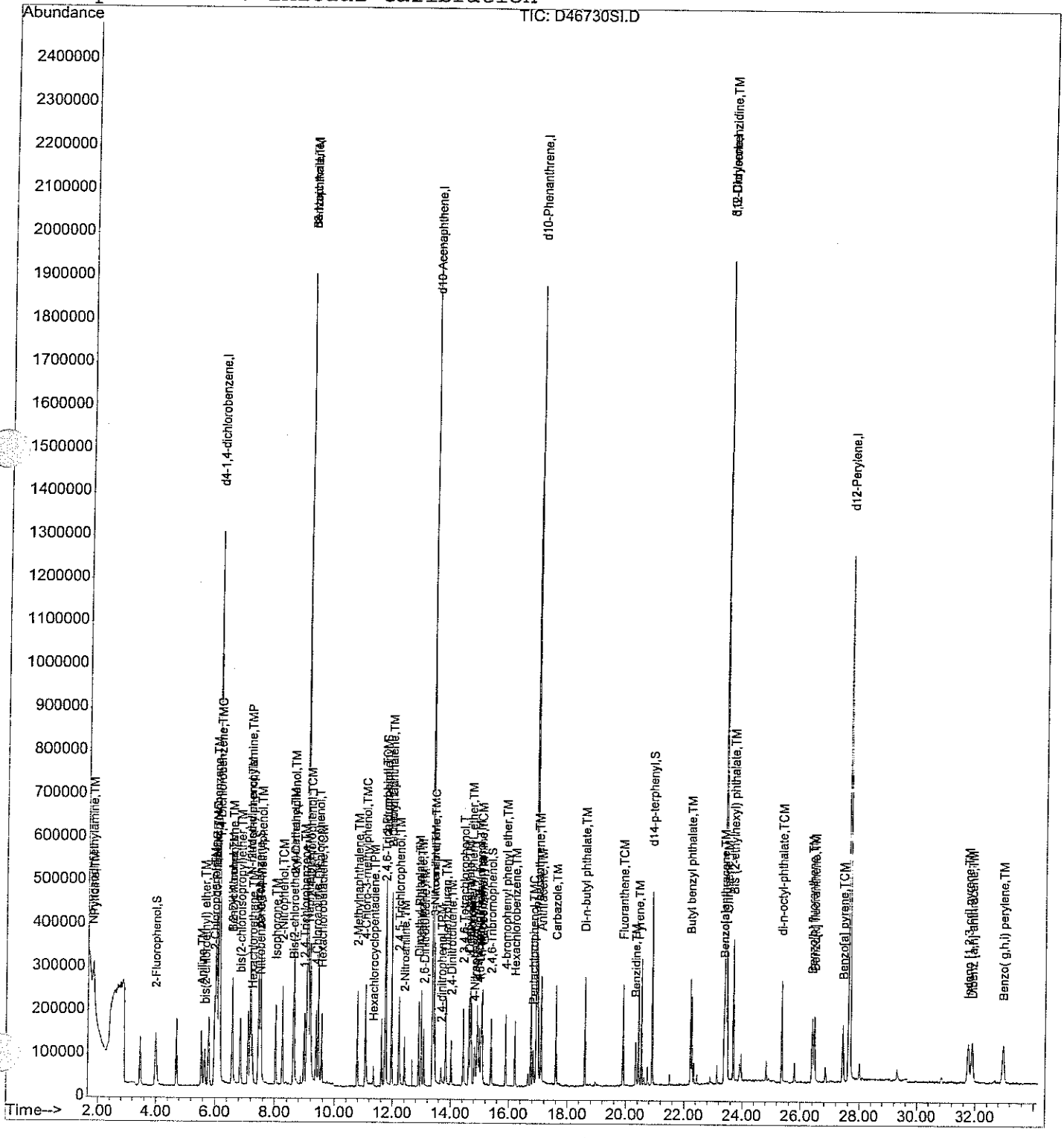
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
72) Pyrene	20.44	202	173808	3.89 ug/ml	98
74) Butyl benzyl phthalate	22.22	149	101575	3.75 ug/ml	99
75) Benzo[a]anthracene	23.38	228	164982	3.89 ug/ml	100
76) Chrysene	23.49	228	166731	3.99 ug/ml	99
77) 3,3'-Dichlorobenzidine	23.43	252	55413	3.67 ug/ml#	96
78) Bis (2-ethylhexyl) phthala	23.69	149	153135	3.97 ug/ml	99
80) di-n-octyl-phthalate	25.37	149	228488	3.75 ug/ml	99
81) Benzo[b] fluoranthene	26.40	252	155024	3.78 ug/ml	99
82) Benzo[k] fluoranthene	26.47	252	157761	4.03 ug/ml	97
83) Benzo[a] pyrene	27.43	252	146031	3.79 ug/ml	98
84) Indeno [1,2,3-cd] pyrene	31.77	276	137189	3.67 ug/ml	98
85) Dibenz [a,h] anthracene	31.90	278	135403	3.74 ug/ml	98
86) Benzo(g,h,i) perylene	32.96	276	140380	3.81 ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\040306-D\D46730SI.D Vial: 3
Acq On : 3 Apr 2006 4:08 pm Operator:
Sample : S6744 ABN PT 2A Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 3 19:46 2006 Quant Results File: S04036.RES

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 20:41:27 2006
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\040306-D\D46731SI.D Vial: 4
Acq On : 3 Apr 2006 4:41 pm Operator:
Sample : S6743 ABN PT 2 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 3 19:46 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 19:46:30 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	6.12	152	592655	40.00	ug/ml	0.00
19) d8-Naphthalene	9.06	136	1912640	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.37	164	939929	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.95	188	1629762	40.00	ug/ml	0.00
71) d12-Chrysene	23.44	240	1488753	40.00	ug/ml	0.00
79) d12-Perylene	27.67	264	1399563	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.97	112	389913	20.41	ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 27.21%#			
5) d5-Phenol	5.97	99	512070	21.24	ug/ml	0.00
Spiked Amount 75.000	Range 22 - 110		Recovery = 28.32%			
20) d5-nitrobenzene	7.45	82	497194	22.69	ug/ml	0.00
Spiked Amount 50.000	Range 45 - 107		Recovery = 45.38%			
39) 2-Fluorobiphenyl	11.75	172	612743	20.89	ug/ml	0.00
Spiked Amount 50.000	Range 44 - 102		Recovery = 41.78%#			
60) 2,4,6-Tribromophenol	15.39	330	106760	21.08	ug/ml	0.00
Spiked Amount 75.000	Range 63 - 127		Recovery = 28.11%#			
73) d14-p-terphenyl	20.91	244	664544	21.34	ug/ml	0.00
Spiked Amount 50.000	Range 33 - 132		Recovery = 42.68%			
Target Compounds						Qvalue
2) Pyridine	1.83	79	312964	9.89	ug/ml	100
3) N-nitrosodimethylamine	1.79	42	177307	10.50	ug/ml	100
6) Aniline	5.54	93	333257	10.81	ug/ml	100
7) Phenol	6.00	94	549334	20.90	ug/ml	100
8) 2-Chlorophenol	5.96	128	426587	22.38	ug/ml	100
9) bis(2-chloroethyl) ether	5.64	93	228055	10.74	ug/ml	100
10) 1,3-Dichlorobenzene	6.04	146	231635	10.31	ug/ml	100
11) 1,4-Dichlorobenzene	6.15	146	236116	10.28	ug/ml	100
12) 1,2-Dichlorobenzene	6.57	146	223988	10.58	ug/ml	100
13) Benzyl Alcohol	6.56	108	121521	10.47	ug/ml	100
14) 2-Methylphenol	7.16	108	360325	21.63	ug/ml	100
15) bis(2-chloroisopropyl)ethe	6.84	45	415910	10.87	ug/ml	100
16) 3+4-Methylphenol	7.51	108	381424	21.77	ug/ml	100
17) Hexachloroethane	7.24	117	91843	10.58	ug/ml	100
18) N-nitroso-di-n-propylamine	7.16	70	167196	10.20	ug/ml	100
21) Nitrobenzene	7.49	123	113142	11.01	ug/ml	100
22) Isophorone	8.03	82	401600	10.47	ug/ml	100
23) 2-Nitrophenol	8.24	139	251507	21.93	ug/ml	100
24) 2,4-Dimethylphenol	8.62	107	363609	21.51	ug/ml	100
25) Bis(2-chloroethoxy)methane	8.60	93	249837	10.61	ug/ml	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\040306-D\D46731SI.D Vial: 4
Acq On : 3 Apr 2006 4:41 pm Operator:
Sample : S6743 ABN PT 2 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 3 19:46 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 19:46:30 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 2,4-Dichlorophenol	9.15	162	306989	21.70 ug/ml	100
27) Benzoic Acid	9.11	105	147647	17.05 ug/ml	100
28) 1,2,4-Trichlorobenzene	8.97	180	146795	10.29 ug/ml	100
29) Naphthalene	9.11	128	531818	10.84 ug/ml	100
30) 2,6-Dichlorophenol	9.44	162	301311	21.49 ug/ml	100
31) 4-Chloroaniline	9.37	127	240527	10.62 ug/ml	100
32) Hexachlorobutadiene	9.56	225	91457	10.27 ug/ml	100
33) 4-Chloro-3-methylphenol	11.03	107	283186	19.80 ug/ml	100
34) 2-Methylnaphthalene	10.77	141	277013	10.07 ug/ml	100
36) Hexachlorocyclopentadiene	11.34	237	47884	9.00 ug/ml	100
37) 2,4,6-Trichlorophenol	11.72	196	174557	20.58 ug/ml	100
38) 2,4,5-Trichlorophenol	12.20	196	182095	19.85 ug/ml	100
40) 2-Chloronaphthalene	11.96	162	290476	10.49 ug/ml	100
41) 2-Nitroaniline	12.40	138	124627	10.01 ug/ml	100
42) 2,6-Dinitrotoluene	13.07	165	83459	9.98 ug/ml	100
43) Dimethyl Phthalate	12.89	163	338054	10.17 ug/ml	100
44) Acenaphthylene	12.98	152	486991	10.39 ug/ml	100
45) 3-Nitroaniline	13.42	138	106405	10.89 ug/ml	100
46) Acenaphthene	13.44	154	301355	10.97 ug/ml	100
47) 2,4-dinitrophenol	13.68	184	54867	15.71 ug/ml	100
48) Dibenzofuran	13.83	168	430541	10.82 ug/ml	100
49) 4-Nitrophenol	14.78	109	75804	20.47 ug/ml	100
50) 2,4-Dinitrotoluene	14.01	165	111828	10.48 ug/ml	100
51) 2,3,4,6-Tetrachlorophenol	14.42	232	132228	19.94 ug/ml	100
52) Fluorene	14.67	166	346099	11.03 ug/ml	100
53) Diethyl Phthalate	14.62	149	379722	10.96 ug/ml	100
54) 4-Chlorophenyl phenyl eth	14.71	204	163332	10.84 ug/ml	100
55) 4-Nitroaniline	14.95	138	112041	10.68 ug/ml	100
56) 4,6-Dinitro-2-methylphenol	15.00	198	125441	20.58 ug/ml	100
57) n-nitrosodiphenylamine	15.05	169	229324	10.83 ug/ml	100
58) Azobenzene	15.08	77	487491	10.66 ug/ml	100
59) Biphenyl	11.95	154	391601	10.73 ug/ml	100
62) 4-bromophenyl phenyl ether	15.88	248	94970	10.09 ug/ml	100
63) Hexachlorobenzene	16.21	284	105153	10.34 ug/ml	100
64) Pentachlorophenol	16.82	266	83572	16.77 ug/ml	100
65) Phenanthrene	17.00	178	453434	10.46 ug/ml	100
66) Anthracene	17.10	178	461337	10.56 ug/ml	100
67) Carbazole	17.60	167	440434	10.47 ug/ml	100
68) Di-n-butyl phthalate	18.59	149	633539	10.63 ug/ml	100
69) Fluoranthene	19.90	202	450310	10.30 ug/ml	100
70) Benzidine	20.33	184	171219	11.32 ug/ml	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\040306-D\D46731SI.D Vial: 4
Acq On : 3 Apr 2006 4:41 pm Operator:
Sample : S6743 ABN PT 2 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 3 19:46 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 19:46:30 2006
Response via : Initial Calibration
DataAcq Meth : ABN

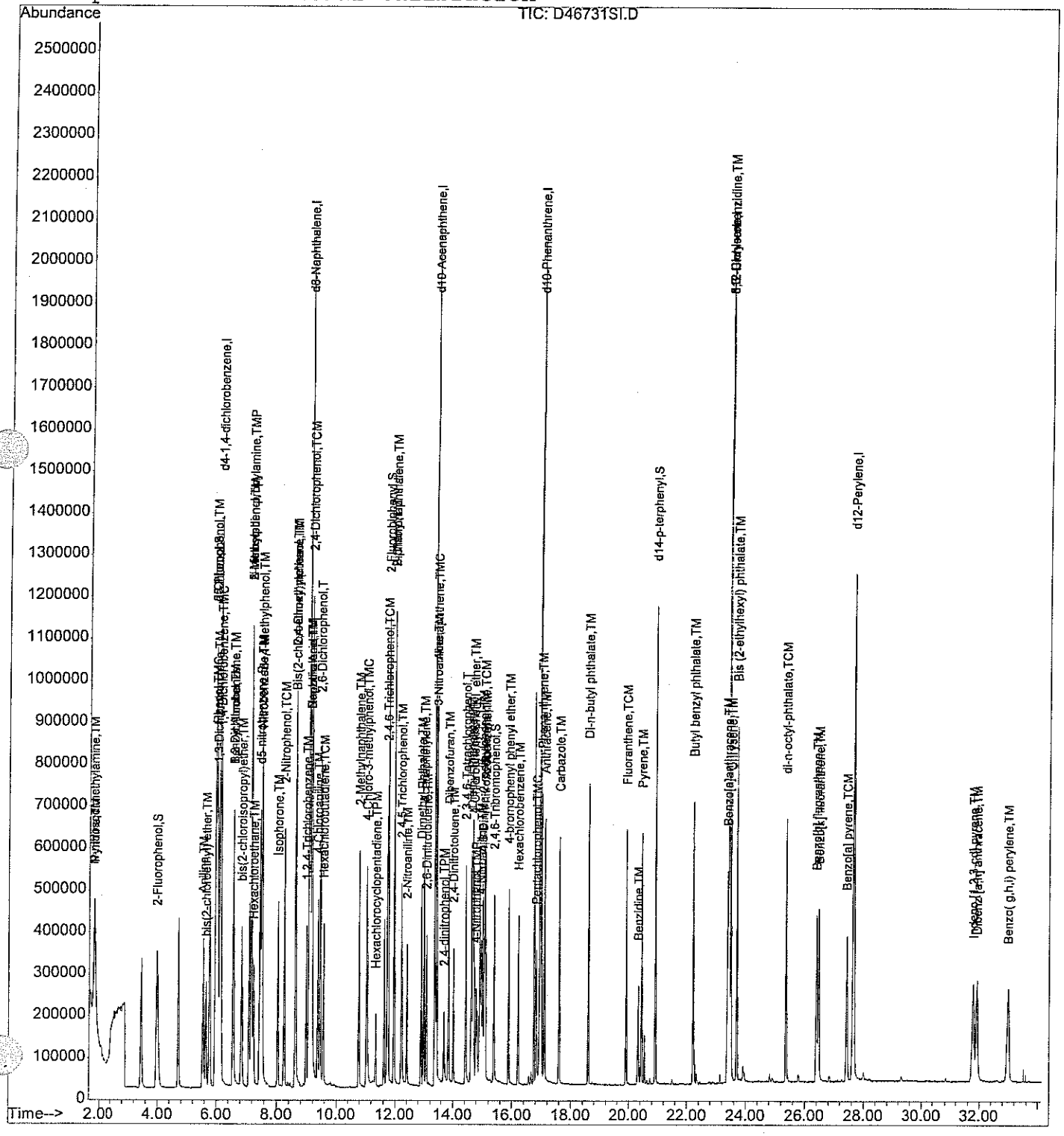
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
72) Pyrene	20.44	202	468647	10.60 ug/ml	100
74) Butyl benzyl phthalate	22.22	149	272130	10.15 ug/ml	100
75) Benzo[a]anthracene	23.38	228	424384	10.11 ug/ml	100
76) Chrysene	23.49	228	422149	10.20 ug/ml	100
77) 3,3'-Dichlorobenzidine	23.43	252	145620	9.74 ug/ml	100
78) Bis (2-ethylhexyl) phthala	23.69	149	384200	10.06 ug/ml	100
80) di-n-octyl-phthalate	25.36	149	619285	10.49 ug/ml	100
81) Benzo[b] fluoranthene	26.40	252	406506	10.23 ug/ml	100
82) Benzo[k] fluoranthene	26.48	252	398618	10.52 ug/ml	100
83) Benzo[a] pyrene	27.43	252	381462	10.23 ug/ml	100
84) Indeno [1,2,3-cd] pyrene	31.79	276	361279	9.97 ug/ml	100
85) Dibenz [a,h] anthracene	31.91	278	358685	10.23 ug/ml	100
86) Benzo(g,h,i) perylene	32.99	276	379913	10.64 ug/ml	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\040306-D\D46731SI.D Vial: 4
Acq On : 3 Apr 2006 4:41 pm Operator:
Sample : S6743 ABN PT 2 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 3 19:46 2006 Quant Results File: S04036.RES

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 20:41:27 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\040306-D\D46732SI.D Vial: 5
Acq On : 3 Apr 2006 5:14 pm Operator:
Sample : S6742 ABN PT 3 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 3 19:46 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 19:46:30 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4/4/06 SL 4/3/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	6.12	152	616078	40.00	ug/ml	0.00
19) d8-Naphthalene	9.06	136	2015398	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.37	164	981578	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.95	188	1684421	40.00	ug/ml	0.00
71) d12-Chrysene	23.44	240	1584916	40.00	ug/ml	0.00
79) d12-Perylene	27.67	264	1491456	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.97	112	773847	38.96	ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 51.95%			
5) d5-Phenol	5.93	99	991208	39.55	ug/ml	-0.04
Spiked Amount 75.000	Range 22 - 110		Recovery = 52.73%			
20) d5-nitrobenzene	7.45	82	924443	40.03	ug/ml	0.00
Spiked Amount 50.000	Range 45 - 107		Recovery = 80.06%			
39) 2-Fluorobiphenyl	11.76	172	1266861	41.36	ug/ml	0.00
Spiked Amount 50.000	Range 44 - 102		Recovery = 82.72%			
60) 2,4,6-Tribromophenol	15.39	330	222407	42.05	ug/ml	0.00
Spiked Amount 75.000	Range 63 - 127		Recovery = 56.07%#			
73) d14-p-terphenyl	20.91	244	1336980	40.33	ug/ml	0.00
Spiked Amount 50.000	Range 33 - 132		Recovery = 80.66%			
Target Compounds						Qvalue
2) Pyridine	1.83	79	656335	19.95	ug/ml	95
3) N-nitrosodimethylamine	1.80	42	354003	20.17	ug/ml	96
6) Aniline	5.55	93	637490	19.90	ug/ml	98
7) Phenol	5.96	94	1097745	40.17	ug/ml	99
8) 2-Chlorophenol	5.96	128	818238	41.29	ug/ml	100
9) bis(2-chloroethyl) ether	5.65	93	441525	20.01	ug/ml	97
10) 1,3-Dichlorobenzene	6.04	146	479229	20.53	ug/ml	97
11) 1,4-Dichlorobenzene	6.16	146	477284	20.00	ug/ml	98
12) 1,2-Dichlorobenzene	6.57	146	426660	19.39	ug/ml	99
13) Benzyl Alcohol	6.56	108	237628	19.70	ug/ml	98
14) 2-Methylphenol	7.14	108	698997	40.36	ug/ml	98
15) bis(2-chloroisopropyl)ethe	6.84	45	757104	19.03	ug/ml	98
16) 3+4-Methylphenol	7.50	108	711682	39.08	ug/ml	98
17) Hexachloroethane	7.24	117	188008	20.83	ug/ml	100
18) N-nitroso-di-n-propylamine	7.17	70	344050	20.19	ug/ml	97
21) Nitrobenzene	7.50	123	212719	19.64	ug/ml	100
22) Isophorone	8.04	82	803917	19.89	ug/ml	100
23) 2-Nitrophenol	8.24	139	484534	40.10	ug/ml	98
24) 2,4-Dimethylphenol	8.61	107	713914	40.08	ug/ml	99
25) Bis(2-chloroethoxy)methane	8.60	93	487447	19.64	ug/ml	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\040306-D\D46732SI.D Vial: 5
Acq On : 3 Apr 2006 5:14 pm Operator:
Sample : S6742 ABN PT 3 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 3 19:46 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 19:46:30 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 2,4-Dichlorophenol	9.13	162	591519	39.68 ug/ml	84
27) Benzoic Acid	9.16	105	343377	37.64 ug/ml#	76
28) 1,2,4-Trichlorobenzene	8.97	180	296285	19.71 ug/ml	99
29) Naphthalene	9.11	128	1037038	20.06 ug/ml	99
30) 2,6-Dichlorophenol	9.44	162	584876	39.58 ug/ml	94
31) 4-Chloroaniline	9.37	127	455651	19.10 ug/ml	99
32) Hexachlorobutadiene	9.56	225	181716	19.37 ug/ml	99
33) 4-Chloro-3-methylphenol	10.99	107	598649	39.73 ug/ml	97
34) 2-Methylnaphthalene	10.77	141	585383	20.19 ug/ml	99
36) Hexachlorocyclopentadiene	11.34	237	123381	22.21 ug/ml	96
37) 2,4,6-Trichlorophenol	11.72	196	367718	41.51 ug/ml	98
38) 2,4,5-Trichlorophenol	12.18	196	391210	40.83 ug/ml	99
40) 2-Chloronaphthalene	11.96	162	594733	20.57 ug/ml	99
41) 2-Nitroaniline	12.40	138	273508	21.03 ug/ml	100
42) 2,6-Dinitrotoluene	13.07	165	179592	20.57 ug/ml	96
43) Dimethyl Phthalate	12.90	163	707830	20.39 ug/ml	99
44) Acenaphthylene	12.99	152	1013644	20.71 ug/ml	99
45) 3-Nitroaniline	13.43	138	208479	20.42 ug/ml	97
46) Acenaphthene	13.44	154	575368	20.05 ug/ml	98
47) 2,4-dinitrophenol	13.69	184	150106	41.17 ug/ml	98
48) Dibenzofuran	13.83	168	848273	20.41 ug/ml	99
49) 4-Nitrophenol	14.75	109	158973	41.11 ug/ml	96
50) 2,4-Dinitrotoluene	14.01	165	231185	20.74 ug/ml	100
51) 2,3,4,6-Tetrachlorophenol	14.42	232	291465	42.09 ug/ml	95
52) Fluorene	14.67	166	674927	20.60 ug/ml	98
53) Diethyl Phthalate	14.63	149	761498	21.05 ug/ml	99
54) 4-Chlorophenyl phenyl eth	14.71	204	321750	20.46 ug/ml	98
55) 4-Nitroaniline	14.97	138	236670	21.61 ug/ml	93
56) 4,6-Dinitro-2-methylphenol	15.01	198	279412	43.90 ug/ml	98
57) n-nitrosodiphenylamine	15.05	169	461417	20.86 ug/ml	99
58) Azobenzene	15.09	77	974384	20.39 ug/ml#	92
59) Biphenyl	11.96	154	787232	20.65 ug/ml	99
62) 4-bromophenyl phenyl ether	15.89	248	196311	20.19 ug/ml	95
63) Hexachlorobenzene	16.22	284	209796	19.96 ug/ml	99
64) Pentachlorophenol	16.82	266	209944	40.77 ug/ml	97
65) Phenanthrene	17.01	178	904537	20.19 ug/ml	99
66) Anthracene	17.11	178	909052	20.13 ug/ml	99
67) Carbazole	17.60	167	894944	20.59 ug/ml	99
68) Di-n-butyl phthalate	18.59	149	1314691	21.34 ug/ml	100
69) Fluoranthene	19.91	202	926466	20.50 ug/ml	100
70) Benzidine	20.33	184	315317	20.17 ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\040306-D\D46732SI.D Vial: 5
Acq On : 3 Apr 2006 5:14 pm Operator:
Sample : S6742 ABN PT 3 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 3 19:46 2006 Quant Results File: S04036.RES

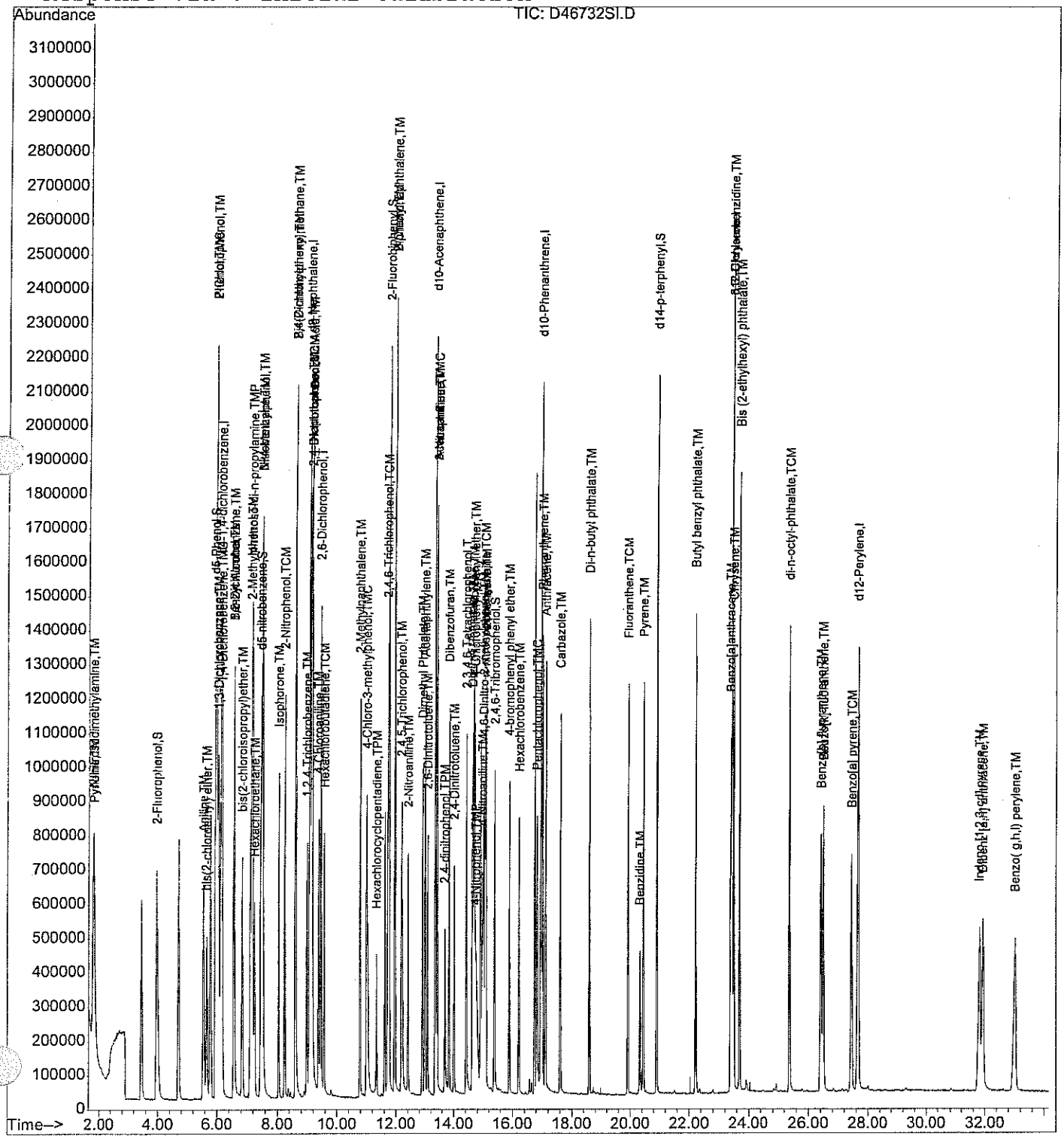
Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 19:46:30 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
72) Pyrene	20.45	202	941794	20.02 ug/ml	99
74) Butyl benzyl phthalate	22.22	149	592296	20.75 ug/ml	100
75) Benzo[a]anthracene	23.38	228	903583	20.21 ug/ml	99
76) Chrysene	23.50	228	886752	20.13 ug/ml	98
77) 3,3'-Dichlorobenzidine	23.44	252	311372	19.57 ug/ml	99
78) Bis (2-ethylhexyl) phthala	23.69	149	845371	20.78 ug/ml	100
80) di-n-octyl-phthalate	25.37	149	1381248	21.95 ug/ml	100
81) Benzo[b] fluoranthene	26.41	252	851010	20.10 ug/ml	99
82) Benzo[k] fluoranthene	26.49	252	845186	20.93 ug/ml	98
83) Benzo[a] pyrene	27.45	252	796689	20.04 ug/ml	99
84) Indeno [1,2,3-cd] pyrene	31.81	276	806693	20.89 ug/ml	99
85) Dibenz [a,h] anthracene	31.94	278	776382	20.77 ug/ml	99
86) Benzo(g,h,i) perylene	33.02	276	812020	21.33 ug/ml	99

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\040306-D\D46732SI.D Vial: 5
Acq On : 3 Apr 2006 5:14 pm Operator:
Sample : S6742 ABN PT 3 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 3 19:46 2006 Quant Results File: S04036.RES

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 20:41:27 2006
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\040306-D\D46733SI.D Vial: 6
Acq On : 3 Apr 2006 5:47 pm Operator:
Sample : S6741 ABN PT 4A Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 3 19:46 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 19:46:30 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4/4/06 SL ✓ 4/3/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	6.13	152	622842	40.00	ug/ml	0.01
19) d8-Naphthalene	9.07	136	2152894	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.37	164	1101808	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.96	188	1889913	40.00	ug/ml	0.00
71) d12-Chrysene	23.45	240	1656625	40.00	ug/ml	0.00
79) d12-Perylene	27.68	264	1710825	40.00	ug/ml	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	3.95	112	1635642	81.45	ug/ml	-0.02
Spiked Amount 75.000	Range 28 - 110		Recovery = 108.60%			
5) d5-Phenol	5.88	99	2098445	82.82	ug/ml	-0.08
Spiked Amount 75.000	Range 22 - 110		Recovery = 110.43%#			
20) d5-nitrobenzene	7.48	82	1923169	77.97	ug/ml	0.03
Spiked Amount 50.000	Range 45 - 107		Recovery = 155.94%#			
39) 2-Fluorobiphenyl	11.78	172	2640870	76.81	ug/ml	0.03
Spiked Amount 50.000	Range 44 - 102		Recovery = 153.62%#			
60) 2,4,6-Tribromophenol	15.40	330	502692	84.67	ug/ml	0.01
Spiked Amount 75.000	Range 63 - 127		Recovery = 112.89%			
73) d14-p-terphenyl	20.93	244	2801479	80.84	ug/ml	0.02
Spiked Amount 50.000	Range 33 - 132		Recovery = 161.68%#			
Target Compounds						Qvalue
2) Pyridine	1.83	79	1286410	38.68	ug/ml	96
3) N-nitrosodimethylamine	1.81	42	676366	38.13	ug/ml	99
6) Aniline	5.56	93	1339485	41.36	ug/ml	99
7) Phenol	5.92	94	2226304	80.58	ug/ml	98
8) 2-Chlorophenol	5.94	128	1612143	80.48	ug/ml	98
9) bis(2-chloroethyl) ether	5.66	93	923039	41.37	ug/ml	99
10) 1,3-Dichlorobenzene	6.05	146	956003	40.51	ug/ml	99
11) 1,4-Dichlorobenzene	6.17	146	963125	39.92	ug/ml	97
12) 1,2-Dichlorobenzene	6.58	146	877609	39.46	ug/ml	100
13) Benzyl Alcohol	6.58	108	520193	42.65	ug/ml	97
14) 2-Methylphenol	7.13	108	1418011	80.99	ug/ml#	63
15) bis(2-chloroisopropyl)ethe	6.84	45	1660896	41.29	ug/ml	98
16) 3+4-Methylphenol	7.47	108	1473310	80.03	ug/ml	98
17) Hexachloroethane	7.25	117	369761	40.51	ug/ml	99
18) N-nitroso-di-n-propylamine	7.19	70	718735	41.72	ug/ml	98
21) Nitrobenzene	7.52	123	464813	40.17	ug/ml	96
22) Isophorone	8.05	82	1701066	39.41	ug/ml	99
23) 2-Nitrophenol	8.25	139	1042159	80.74	ug/ml	100
24) 2,4-Dimethylphenol	8.60	107	1489109	78.26	ug/ml	100
25) Bis(2-chloroethoxy)methane	8.61	93	994663	37.52	ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\040306-D\D46733SI.D Vial: 6
Acq On : 3 Apr 2006 5:47 pm Operator:
Sample : S6741 ABN PT 4A Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 3 19:46 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 19:46:30 2006
Response via : Initial Calibration
DataAcq Meth : ABN

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
26)	2,4-Dichlorophenol	9.10	162	1238478	77.78	ug/ml	85
27)	Benzoic Acid	9.24	105	873956	89.68	ug/ml#	53
28)	1,2,4-Trichlorobenzene	8.98	180	632714	39.41	ug/ml	99
29)	Naphthalene	9.12	128	2084433	37.74	ug/ml	99
30)	2,6-Dichlorophenol	9.44	162	1225546	77.64	ug/ml	99
31)	4-Chloroaniline	9.38	127	978299	38.39	ug/ml	100
32)	Hexachlorobutadiene	9.56	225	382224	38.15	ug/ml	99
33)	4-Chloro-3-methylphenol	10.96	107	1315468	81.72	ug/ml	99
34)	2-Methylnaphthalene	10.78	141	1236495	39.93	ug/ml	98
36)	Hexachlorocyclopentadiene	11.34	237	307213	49.28	ug/ml	98
37)	2,4,6-Trichlorophenol	11.72	196	805703	81.03	ug/ml	98
38)	2,4,5-Trichlorophenol	12.15	196	882316	82.03	ug/ml	99
40)	2-Chloronaphthalene	11.98	162	1242583	38.29	ug/ml	99
41)	2-Nitroaniline	12.41	138	616405	42.23	ug/ml	100
42)	2,6-Dinitrotoluene	13.08	165	408482	41.68	ug/ml	92
43)	Dimethyl Phthalate	12.91	163	1545238	39.65	ug/ml	99
44)	Acenaphthylene	12.99	152	2187664	39.81	ug/ml	97
45)	3-Nitroaniline	13.45	138	467607	40.81	ug/ml	100
46)	Acenaphthene	13.45	154	1230863	38.21	ug/ml	98
47)	2,4-dinitrophenol	13.70	184	432083	105.57	ug/ml	96
48)	Dibenzofuran	13.84	168	1853305	39.72	ug/ml	100
49)	4-Nitrophenol	14.70	109	370890	85.44	ug/ml	81
50)	2,4-Dinitrotoluene	14.03	165	539992	43.16	ug/ml	97
51)	2,3,4,6-Tetrachlorophenol	14.42	232	668636	86.02	ug/ml	96
52)	Fluorene	14.68	166	1426820	38.79	ug/ml	99
53)	Diethyl Phthalate	14.65	149	1634046	40.23	ug/ml	99
54)	4-Chlorophenyl phenyl eth	14.72	204	695141	39.37	ug/ml	99
55)	4-Nitroaniline	15.00	138	523922	42.62	ug/ml#	76
56)	4,6-Dinitro-2-methylphenol	15.04	198	692789	96.97	ug/ml	97
57)	n-nitrosodiphenylamine	15.07	169	1009355	40.65	ug/ml	92
58)	Azobenzene	15.10	77	2124629	39.62	ug/ml	94
59)	Biphenyl	11.97	154	1639675	38.32	ug/ml	97
62)	4-bromophenyl phenyl ether	15.90	248	432948	39.68	ug/ml	97
63)	Hexachlorobenzene	16.22	284	468147	39.69	ug/ml	97
64)	Pentachlorophenol	16.82	266	538646	93.24	ug/ml	100
65)	Phenanthrene	17.02	178	1941420	38.62	ug/ml	99
66)	Anthracene	17.12	178	1992144	39.31	ug/ml	99
67)	Carbazole	17.61	167	1927671	39.53	ug/ml	98
68)	Di-n-butyl phthalate	18.60	149	2795263	40.43	ug/ml	99
69)	Fluoranthene	19.92	202	2006070	39.57	ug/ml	100
70)	Benzidine	20.33	184	551538	31.44	ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\040306-D\D46733SI.D Vial: 6
Acq On : 3 Apr 2006 5:47 pm Operator:
Sample : S6741 ABN PT 4A Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 3 19:46 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 19:46:30 2006
Response via : Initial Calibration
DataAcq Meth : ABN

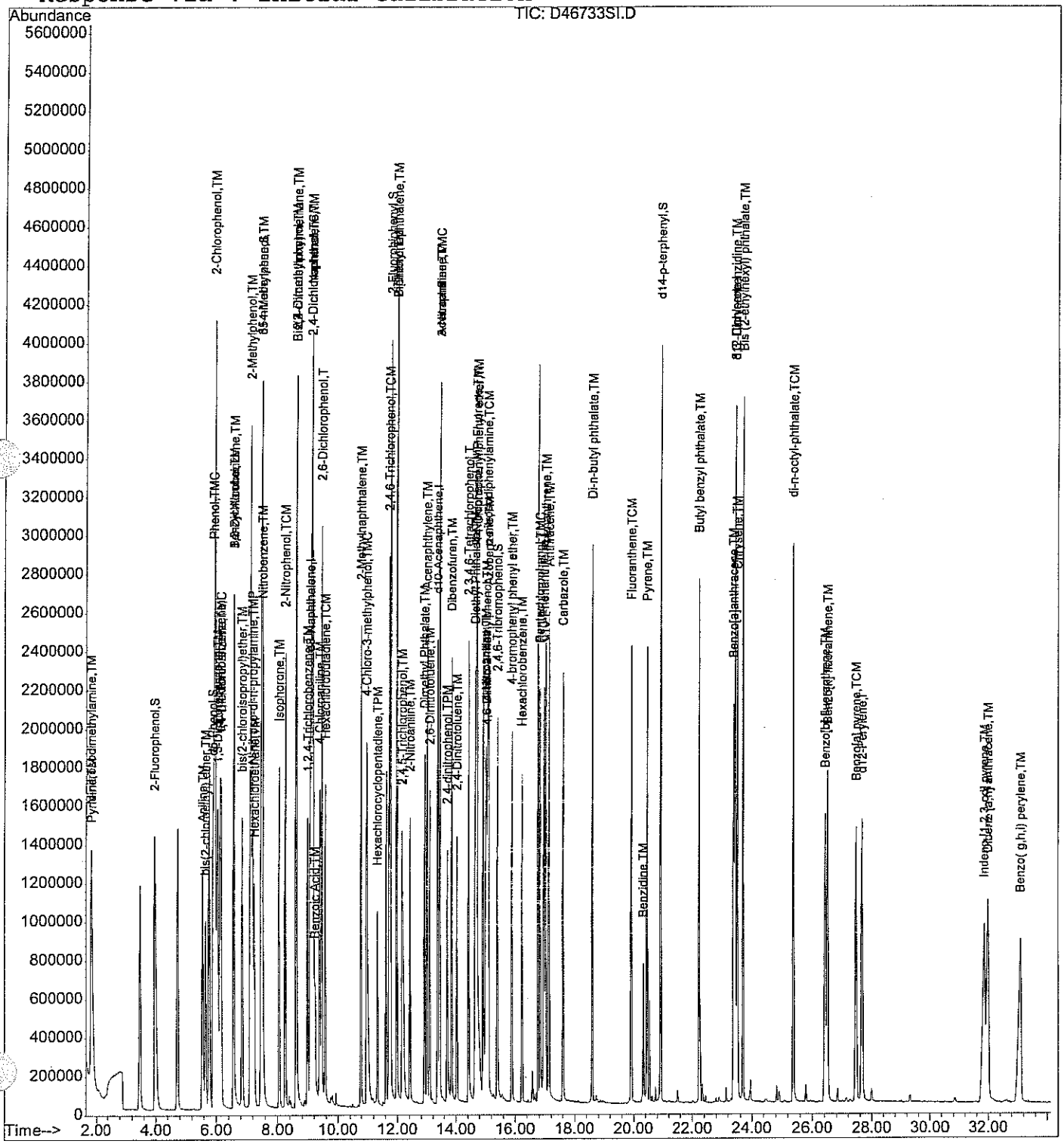
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
72) Pyrene	20.46	202	2050827	41.70	ug/ml	99
74) Butyl benzyl phthalate	22.23	149	1281582	42.95	ug/ml	100
75) Benzo[a]anthracene	23.39	228	1956292	41.87	ug/ml	99
76) Chrysene	23.51	228	1854413	40.28	ug/ml	99
77) 3,3'-Dichlorobenzidine	23.45	252	701019	42.16	ug/ml	99
78) Bis (2-ethylhexyl) phthala	23.69	149	1814535	42.68	ug/ml	99
80) di-n-octyl-phthalate	25.38	149	3024363	41.89	ug/ml	100
81) Benzo[b] fluoranthene	26.44	252	1978627	40.75	ug/ml	100
82) Benzo[k] fluoranthene	26.52	252	1857002	40.09	ug/ml	98
83) Benzo[a] pyrene	27.48	252	1858830	40.77	ug/ml	99
84) Indeno [1,2,3-cd] pyrene	31.87	276	1960061	44.26	ug/ml	98
85) Dibenz [a,h] anthracene	32.00	278	1913509	44.63	ug/ml	99
86) Benzo(g,h,i) perylene	33.10	276	1884476	43.16	ug/ml	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\040306-D\D46733SI.D Vial: 6
Acq On : 3 Apr 2006 5:47 pm Operator:
Sample : S6741 ABN PT 4A Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 3 19:46 2006 Quant Results File: S04036.RES

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 20:41:27 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\040306-D\D46734SI.D Vial: 7
Acq On : 3 Apr 2006 6:53 pm Operator:
Sample : S6740 ABN PT 4 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 3 20:38 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 19:46:30 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4/4/06 SL ✓ 4/3/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	6.13	152	630835	40.00	ug/ml	0.01
19) d8-Naphthalene	9.07	136	2186924	40.00	ug/ml	0.01
35) d10-Acenaphthene	13.37	164	1099312	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.96	188	1871074	40.00	ug/ml	0.00
71) d12-Chrysene	23.45	240	1599962	40.00	ug/ml	0.00
79) d12-Perylene	27.69	264	1725249	40.00	ug/ml	0.02
System Monitoring Compounds						
4) 2-Fluorophenol	3.95	112	2038791	100.24	ug/ml	-0.03
Spiked Amount 75.000	Range 28 - 110		Recovery = 133.65%#			
5) d5-Phenol	5.87	99	2562819	99.86	ug/ml	-0.10
Spiked Amount 75.000	Range 22 - 110		Recovery = 133.15%#			
20) d5-nitrobenzene	7.48	82	2334298	93.16	ug/ml	0.03
Spiked Amount 50.000	Range 45 - 107		Recovery = 186.32%#			
39) 2-Fluorobiphenyl	11.78	172	3249605	94.72	ug/ml	0.03
Spiked Amount 50.000	Range 44 - 102		Recovery = 189.44%#			
60) 2,4,6-Tribromophenol	15.40	330	613471	103.56	ug/ml	0.01
Spiked Amount 75.000	Range 63 - 127		Recovery = 138.08%#			
73) d14-p-terphenyl	20.93	244	3281924	98.06	ug/ml	0.02
Spiked Amount 50.000	Range 33 - 132		Recovery = 196.12%#			
Target Compounds						Qvalue
2) Pyridine	1.83	79	1600128	47.50	ug/ml	95
3) N-nitrosodimethylamine	1.81	42	835267	46.49	ug/ml	99
6) Aniline	5.56	93	1641343	50.04	ug/ml	98
7) Phenol	5.91	94	2728506	97.51	ug/ml	99
8) 2-Chlorophenol	5.93	128	1980189	97.60	ug/ml	100
9) bis(2-chloroethyl) ether	5.66	93	1144698	50.66	ug/ml	100
10) 1,3-Dichlorobenzene	6.05	146	1168457	48.88	ug/ml	100
11) 1,4-Dichlorobenzene	6.17	146	1204650	49.30	ug/ml	96
12) 1,2-Dichlorobenzene	6.58	146	1091290	48.45	ug/ml	100
13) Benzyl Alcohol	6.58	108	631843	51.15	ug/ml	97
14) 2-Methylphenol	7.12	108	1727557	97.42	ug/ml#	64
15) bis(2-chloroisopropyl)ethe	6.85	45	2007643	49.27	ug/ml	97
16) 3+4-Methylphenol	7.46	108	1791013	96.05	ug/ml	97
17) Hexachloroethane	7.25	117	453910	49.10	ug/ml	98
18) N-nitroso-di-n-propylamine	7.20	70	884225	50.67	ug/ml	96
21) Nitrobenzene	7.52	123	566139	48.17	ug/ml	98
22) Isophorone	8.06	82	2112913	48.19	ug/ml	99
23) 2-Nitrophenol	8.26	139	1302703	99.36	ug/ml	99
24) 2,4-Dimethylphenol	8.59	107	1850181	95.72	ug/ml	100
25) Bis(2-chloroethoxy)methane	8.61	93	1259052	46.75	ug/ml	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\040306-D\D46734SI.D Vial: 7
Acq On : 3 Apr 2006 6:53 pm Operator:
Sample : S6740 ABN PT 4 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 3 20:38 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 19:46:30 2006
Response via : Initial Calibration
DataAcq Meth : ABN

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
26)	2,4-Dichlorophenol	9.10	162	1530723	94.64	ug/ml	87
27)	Benzoic Acid	9.27	105	1139521	115.10	ug/ml#	51
28)	1,2,4-Trichlorobenzene	8.98	180	792837	48.62	ug/ml	98
29)	Naphthalene	9.12	128	2591663	46.20	ug/ml	98
30)	2,6-Dichlorophenol	9.44	162	1522437	94.95	ug/ml	98
31)	4-Chloroaniline	9.38	127	1266337	48.92	ug/ml	99
32)	Hexachlorobutadiene	9.56	225	477188	46.88	ug/ml	99
33)	4-Chloro-3-methylphenol	10.95	107	1644932	100.60	ug/ml	99
34)	2-Methylnaphthalene	10.78	141	1531560	48.69	ug/ml	99
36)	Hexachlorocyclopentadiene	11.34	237	397872	63.96	ug/ml	99
37)	2,4,6-Trichlorophenol	11.72	196	978611	98.64	ug/ml	98
38)	2,4,5-Trichlorophenol	12.13	196	1121085	104.46	ug/ml	99
40)	2-Chloronaphthalene	11.98	162	1517559	46.88	ug/ml	98
41)	2-Nitroaniline	12.42	138	780146	53.57	ug/ml	99
42)	2,6-Dinitrotoluene	13.09	165	506948	51.84	ug/ml	95
43)	Dimethyl Phthalate	12.92	163	1924420	49.49	ug/ml	99
44)	Acenaphthylene	13.00	152	2670855	48.72	ug/ml	98
45)	3-Nitroaniline	13.45	138	571871	50.03	ug/ml	98
46)	Acenaphthene	13.45	154	1516120	47.18	ug/ml	97
47)	2,4-dinitrophenol	13.71	184	572334	140.16	ug/ml	96
48)	Dibenzofuran	13.84	168	2228263	47.87	ug/ml	98
49)	4-Nitrophenol	14.69	109	461944	106.66	ug/ml#	59
50)	2,4-Dinitrotoluene	14.04	165	672085	53.84	ug/ml	97
51)	2,3,4,6-Tetrachlorophenol	14.42	232	835441	107.72	ug/ml	95
52)	Fluorene	14.69	166	1718238	46.82	ug/ml	99
53)	Diethyl Phthalate	14.66	149	2012317	49.66	ug/ml	99
54)	4-Chlorophenyl phenyl eth	14.72	204	855019	48.54	ug/ml	99
55)	4-Nitroaniline	15.02	138	645689	52.64	ug/ml#	81
56)	4,6-Dinitro-2-methylphenol	15.05	198	874733	122.72	ug/ml	97
57)	n-nitrosodiphenylamine	15.08	169	1206954	48.72	ug/ml	92
58)	Azobenzene	15.11	77	2775047	51.86	ug/ml#	78
59)	Biphenyl	11.97	154	2028575	47.51	ug/ml	99
62)	4-bromophenyl phenyl ether	15.90	248	540915	50.08	ug/ml	95
63)	Hexachlorobenzene	16.23	284	574065	49.16	ug/ml	98
64)	Pentachlorophenol	16.83	266	690871	120.79	ug/ml	98
65)	Phenanthrene	17.02	178	2348803	47.20	ug/ml	99
66)	Anthracene	17.13	178	2421406	48.26	ug/ml	99
67)	Carbazole	17.62	167	2308104	47.81	ug/ml	98
68)	Di-n-butyl phthalate	18.60	149	3325653	48.59	ug/ml	100
69)	Fluoranthene	19.92	202	2391995	47.66	ug/ml	99
70)	Benzidine	20.33	184	651371	37.51	ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\040306-D\D46734SI.D Vial: 7
Acq On : 3 Apr 2006 6:53 pm Operator:
Sample : S6740 ABN PT 4 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 3 20:38 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 19:46:30 2006
Response via : Initial Calibration
DataAcq Meth : ABN

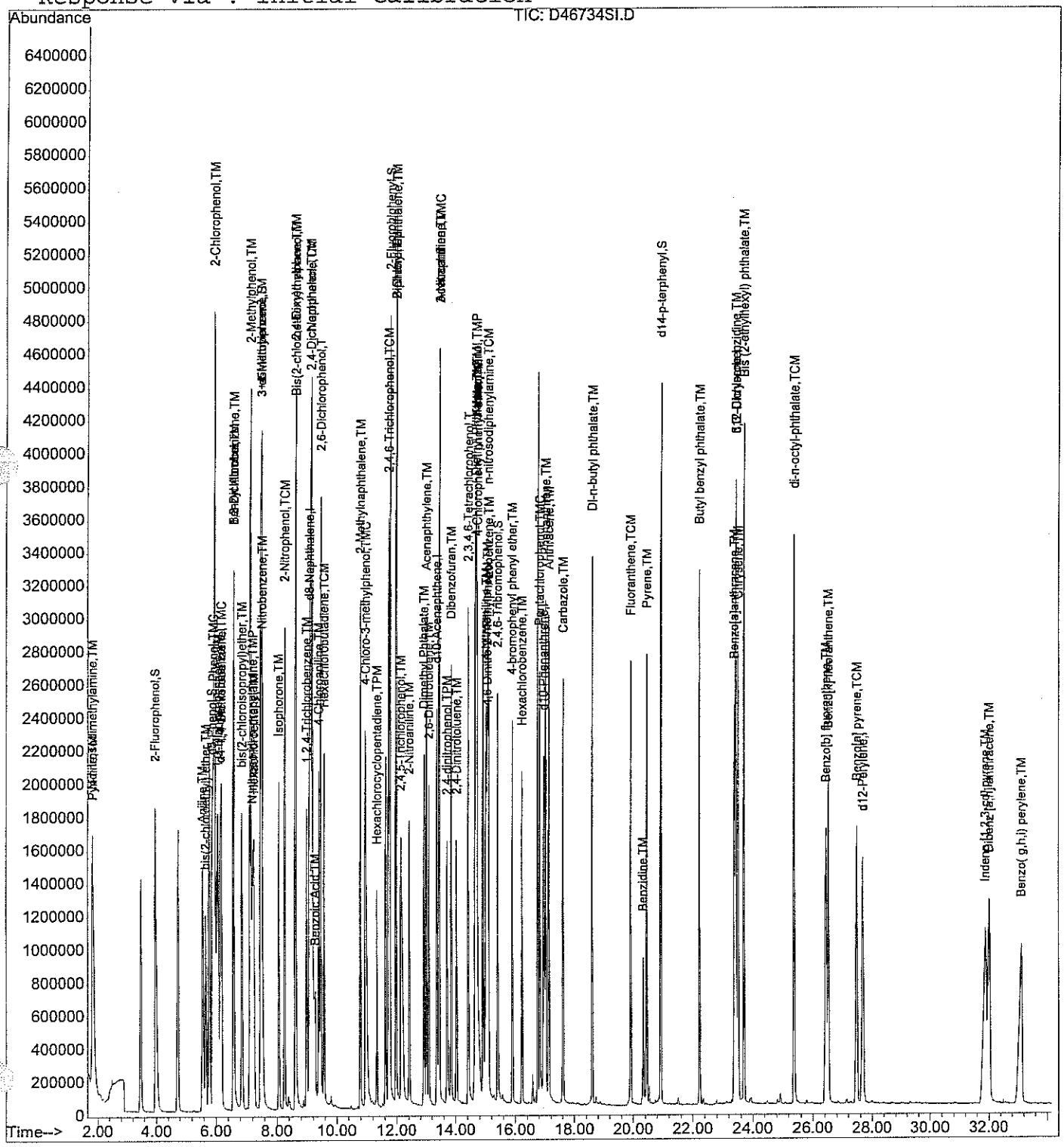
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
72) Pyrene	20.46	202	2422160	51.00 ug/ml	99
74) Butyl benzyl phthalate	22.23	149	1518028	52.67 ug/ml	98
75) Benzo[a]anthracene	23.40	228	2289681	50.74 ug/ml	99
76) Chrysene	23.52	228	2181508	49.06 ug/ml	98
77) 3,3'-Dichlorobenzidine	23.45	252	852681	53.09 ug/ml	100
78) Bis (2-ethylhexyl) phthala	23.69	149	2129950	51.87 ug/ml	99
80) di-n-octyl-phthalate	25.39	149	3669134	50.40 ug/ml	100
81) Benzo[b] fluoranthene	26.45	252	2368725	48.37 ug/ml	99
82) Benzo[k] fluoranthene	26.53	252	2320188m	49.67 ug/ml	
83) Benzo[a] pyrene	27.49	252	2312556	50.29 ug/ml	99
84) Indeno [1,2,3-cd] pyrene	31.89	276	2453729	54.94 ug/ml	99
85) Dibenz [a,h] anthracene	32.01	278	2399850	55.51 ug/ml	99
86) Benzo(g,h,i) perylene	33.13	276	2325257	52.81 ug/ml	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\040306-D\D46734SI.D Vial: 7
Acq On : 3 Apr 2006 6:53 pm Operator:
Sample : S6740 ABN PT 4 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 3 20:38 2006 Quant Results File: S04036.RES

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 20:41:27 2006
Response via : Initial Calibration

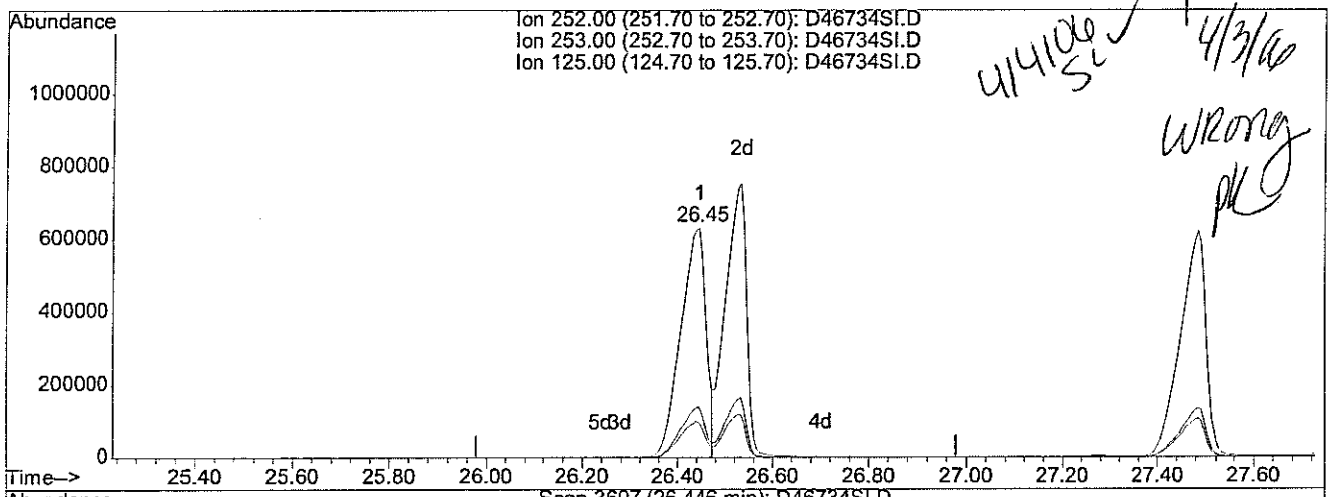


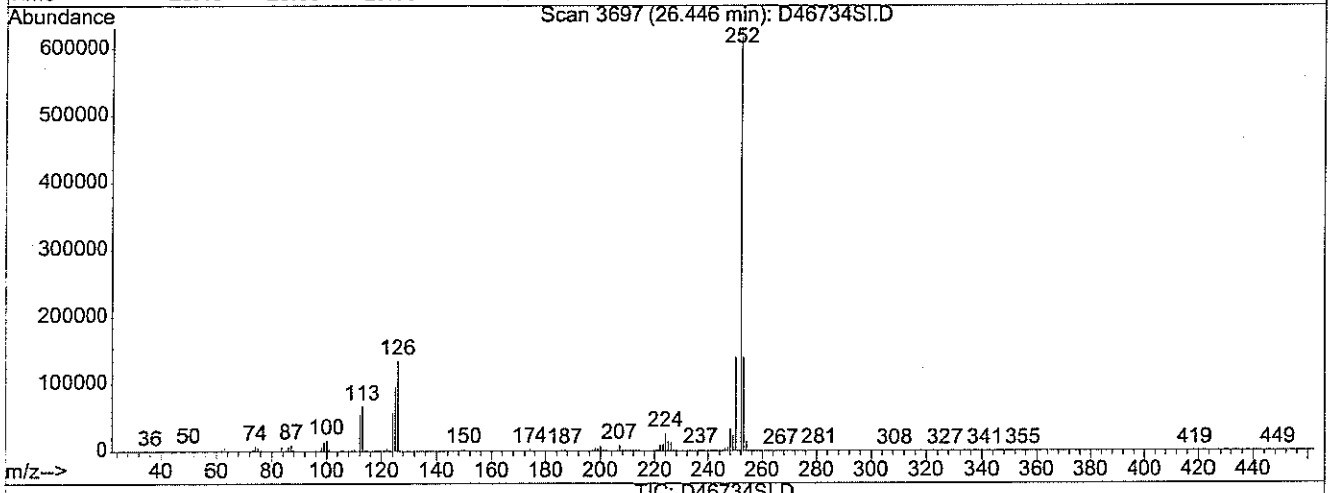
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\040306-D\D46734SI.D Vial: 7
Acq On : 3 Apr 2006 6:53 pm Operator:
Sample : S6740 ABN PT 4 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 3 19:46 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 19:48:24 2006
Response via : Multiple Level Calibration

4/4/06 SI ✓ 4/3/06 Wrong pk





TIC: D46734SI.D

(82) Benzo[k] fluoranthene (TM)

26.45min 50.71ug/ml

response 2368896

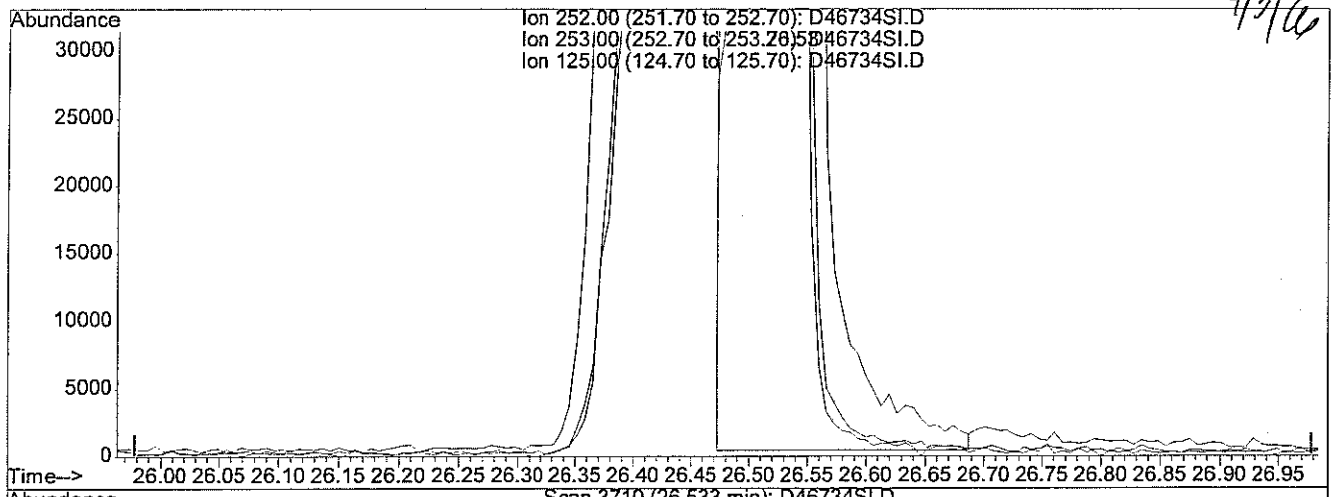
Ion	Exp%	Act%
252.00	100	100
253.00	20.80	21.83
125.00	15.60	16.13
0.00	0.00	0.00

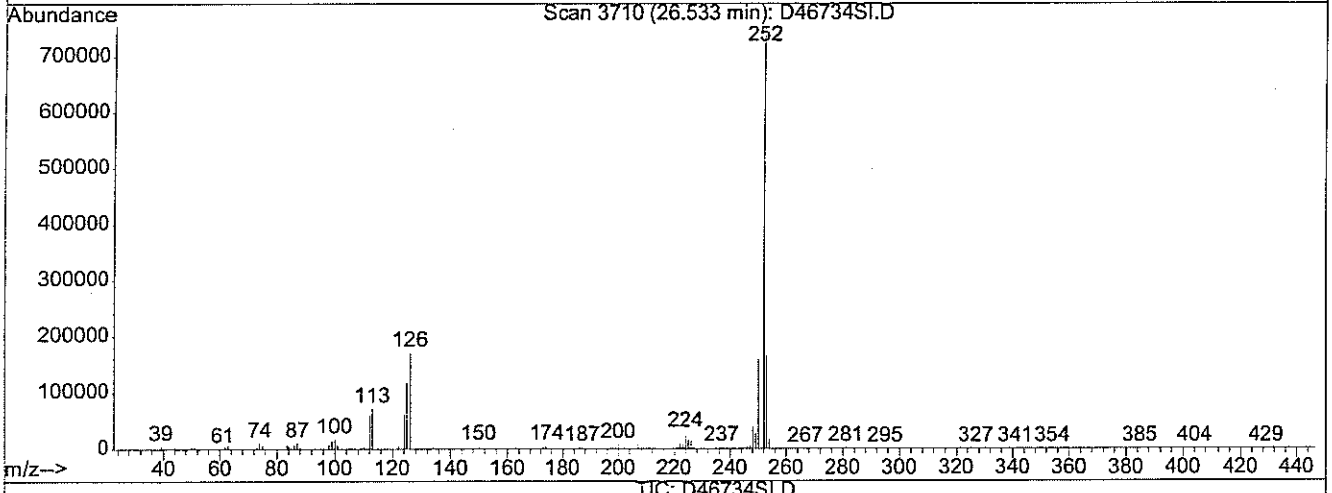
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\040306-D\D46734SI.D Vial: 7
Acq On : 3 Apr 2006 6:53 pm Operator:
Sample : S6740 ABN PT 4 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 3 20:38 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 19:48:24 2006
Response via : Multiple Level Calibration

4/4/06 SL ✓ 4/3/06





TIC: D46734SI.D

(82) Benzo[k] fluoranthene (TM)

26.53min 49.67ug/ml m

response 2320188

Ion	Exp%	Act%
252.00	100	100
253.00	20.80	22.29
125.00	15.60	16.47
0.00	0.00	0.00

D46734SI.D S04036.M Mon Apr 03 20:38:27 2006

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\040306-D\D46735SI.D Vial: 8
Acq On : 3 Apr 2006 7:32 pm Operator:
Sample : S6739 ABN PT 5 Inst : D Instrum
Misc : Multiplr: 1.00
B Integration Params: RTEINT.P
Quant Time: Apr 3 20:40 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 19:43:24 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4/4/06 SV 4/3/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	6.14	152	622484	40.00	ug/ml	0.00
19) d8-Naphthalene	9.08	136	2007988	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.39	164	1099991	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.97	188	1889174	40.00	ug/ml	0.00
71) d12-Chrysene	23.46	240	1537465	40.00	ug/ml	0.00
79) d12-Perylene	27.70	264	1763070	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.91	112	4079379	203.25	ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 271.00%#			
5) d5-Phenol	5.80	99	5059539	199.79	ug/ml	0.00
Spiked Amount 75.000	Range 22 - 110		Recovery = 266.39%#			
20) d5-nitrobenzene	7.51	82	4414938	191.90	ug/ml	0.00
Spiked Amount 50.000	Range 45 - 107		Recovery = 383.80%#			
39) 2-Fluorobiphenyl	11.80	172	6000994	174.82	ug/ml	0.00
Spiked Amount 50.000	Range 44 - 102		Recovery = 349.64%#			
60) 2,4,6-Tribromophenol	15.42	330	1173157	197.91	ug/ml	0.00
Spiked Amount 75.000	Range 63 - 127		Recovery = 263.88%#			
73) d14-p-terphenyl	20.95	244	5822547	181.04	ug/ml	0.00
Spiked Amount 50.000	Range 33 - 132		Recovery = 362.08%#			
Target Compounds						Qvalue
2) Pyridine	1.81	79	3092846	93.04	ug/ml	99
3) N-nitrosodimethylamine	1.79	42	1625722	91.70	ug/ml	99
6) Aniline	5.57	93	3078909	95.13	ug/ml	99
7) Phenol	5.85	94	5342955m	193.50	ug/ml	
8) 2-Chlorophenol	5.91	128	3444593	172.05	ug/ml	95
9) bis(2-chloroethyl) ether	5.66	93	2271309	101.86	ug/ml	99
10) 1,3-Dichlorobenzene	6.06	146	2290514	97.11	ug/ml	99
11) 1,4-Dichlorobenzene	6.17	146	2307000	95.67	ug/ml	98
12) 1,2-Dichlorobenzene	6.58	146	2062375	92.79	ug/ml	100
13) Benzyl Alcohol	6.60	108	1264002	103.70	ug/ml	99
14) 2-Methylphenol	7.12	108	3220582	184.06	ug/ml#	61
15) bis(2-chloroisopropyl)ethe	6.86	45	3757716	93.46	ug/ml	98
16) 3+4-Methylphenol	7.44	108	3459180	188.00	ug/ml	99
17) Hexachloroethane	7.25	117	837564	91.82	ug/ml	99
18) N-nitroso-di-n-propylamine	7.27	70	1602066	93.04	ug/ml	97
21) Nitrobenzene	7.55	123	1100977	102.02	ug/ml#	58
22) Isophorone	8.10	82	4226511	104.98	ug/ml	99
23) 2-Nitrophenol	8.28	139	2512156	208.68	ug/ml	98
24) 2,4-Dimethylphenol	8.59	107	3367879	189.76	ug/ml	99
25) Bis(2-chloroethoxy)methane	8.63	93	2541247	102.77	ug/ml	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\040306-D\D46735SI.D Vial: 8
Acq On : 3 Apr 2006 7:32 pm Operator:
Sample : S6739 ABN PT 5 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 3 20:40 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 19:43:24 2006
Response via : Initial Calibration
DataAcq Meth : ABN

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
26)	2,4-Dichlorophenol	9.08	162	2904130	195.55	ug/ml	96
27)	Benzoic Acid	9.37	105	2475346	272.32	ug/ml#	36
28)	1,2,4-Trichlorobenzene	8.99	180	1534111	102.46	ug/ml	100
29)	Naphthalene	9.14	128	4841165	93.98	ug/ml	99
30)	2,6-Dichlorophenol	9.46	162	2804390	190.48	ug/ml#	83
31)	4-Chloroaniline	9.40	127	2402535	101.08	ug/ml	96
32)	Hexachlorobutadiene	9.57	225	905593	96.91	ug/ml	97
33)	4-Chloro-3-methylphenol	10.92	107	3184585	212.11	ug/ml	97
34)	2-Methylnaphthalene	10.80	141	2809870	97.29	ug/ml	98
36)	Hexachlorocyclopentadiene	11.35	237	808978	129.98	ug/ml	96
37)	2,4,6-Trichlorophenol	11.74	196	1811135	182.44	ug/ml	98
38)	2,4,5-Trichlorophenol	12.08	196	2208416	205.66	ug/ml	99
40)	2-Chloronaphthalene	12.00	162	2842770	87.76	ug/ml	98
41)	2-Nitroaniline	12.44	138	1533379	105.23	ug/ml	98
42)	2,6-Dinitrotoluene	13.12	165	1008118	103.03	ug/ml	99
43)	Dimethyl Phthalate	12.95	163	3679607	94.57	ug/ml	99
44)	Acenaphthylene	13.01	152	4970143	90.60	ug/ml	99
45)	3-Nitroaniline	13.48	138	1097397	95.94	ug/ml	95
46)	Acenaphthene	13.47	154	2829781	88.00	ug/ml	98
47)	2,4-dinitrophenol	13.73	184	1221195	298.87	ug/ml	100
48)	Dibenzofuran	13.87	168	4205275	90.29	ug/ml	97
49)	4-Nitrophenol	14.62	109	922837	212.95	ug/ml#	39
50)	2,4-Dinitrotoluene	14.06	165	1322646	105.89	ug/ml	97
51)	2,3,4,6-Tetrachlorophenol	14.43	232	1593636	205.36	ug/ml	98
52)	Fluorene	14.71	166	3119420	84.95	ug/ml	100
53)	Diethyl Phthalate	14.70	149	3255977	80.30	ug/ml	98
54)	4-Chlorophenyl phenyl eth	14.74	204	1554698	88.20	ug/ml	95
55)	4-Nitroaniline	15.08	138	1043445	85.02	ug/ml#	66
56)	4,6-Dinitro-2-methylphenol	15.10	198	1494865	209.59	ug/ml	100
57)	n-nitrosodiphenylamine	15.12	169	2203483	88.89	ug/ml	91
58)	Azobenzene	15.13	77	4880649	91.15	ug/ml#	86
59)	Biphenyl	11.99	154	3615660	84.63	ug/ml	98
62)	4-bromophenyl phenyl ether	15.91	248	1022938	93.79	ug/ml	98
63)	Hexachlorobenzene	16.24	284	1078576	91.48	ug/ml	100
64)	Pentachlorophenol	16.85	266	1397199	241.94	ug/ml	97
65)	Phenanthrene	17.04	178	4545539	90.47	ug/ml	99
66)	Anthracene	17.15	178	4511379	89.06	ug/ml	100
67)	Carbazole	17.64	167	4374637	89.75	ug/ml	100
68)	Di-n-butyl phthalate	18.62	149	5723496	82.82	ug/ml	98
69)	Fluoranthene	19.94	202	4453726	87.88	ug/ml	99
70)	Benzidine	20.34	184	1115088	63.59	ug/ml	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\040306-D\D46735SI.D Vial: 8
Acq On : 3 Apr 2006 7:32 pm Operator:
Sample : S6739 ABN PT 5 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 3 20:40 2006 Quant Results File: S04036.RES

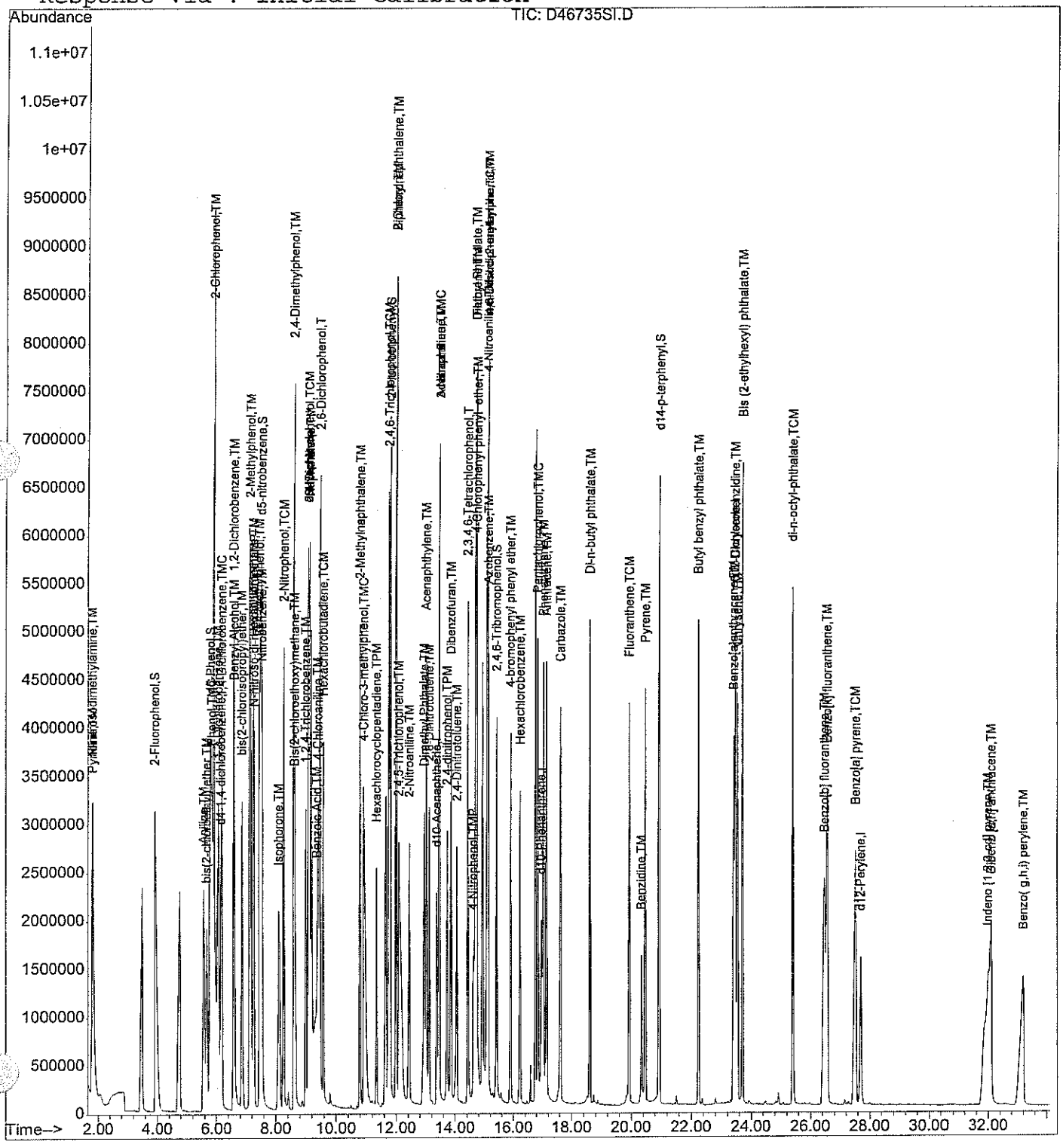
Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 19:43:24 2006
Response via : Initial Calibration
DataAcq Meth : ABN

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
72)	Pyrene	20.48	202	4470053	97.94	ug/ml	99
74)	Butyl benzyl phthalate	22.24	149	2855670	103.11	ug/ml	100
75)	Benzo[a]anthracene	23.42	228	4282108	98.74	ug/ml	98
76)	Chrysene	23.54	228	4120034	96.43	ug/ml	99
77)	3,3'-Dichlorobenzidine	23.47	252	1679603	108.83	ug/ml	99
78)	Bis (2-ethylhexyl) phthala	23.71	149	3849558	97.56	ug/ml	97
80)	di-n-octyl-phthalate	25.42	149	6742214	90.63	ug/ml	100
81)	Benzo[b] fluoranthene	26.48	252	5307861	106.07	ug/ml	99
82)	Benzo[k] fluoranthene	26.58	252	4079366	85.45	ug/ml	99
83)	Benzo[a] pyrene	27.54	252	4689174	99.79	ug/ml	100
84)	Indeno [1,2,3-cd] pyrene	31.99	276	4575216m	100.25	ug/ml	
85)	Dibenz [a,h] anthracene	32.11	278	4155413	94.05	ug/ml	96
86)	Benzo(g,h,i) perylene	33.21	276	3875303	86.13	ug/ml	99

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\040306-D\D46735SI.D Vial: 8
Acq On : 3 Apr 2006 7:32 pm Operator:
Sample : S6739 ABN PT 5 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 3 20:40 2006 Quant Results File: S04036.RES

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 20:41:27 2006
Response via : Initial Calibration

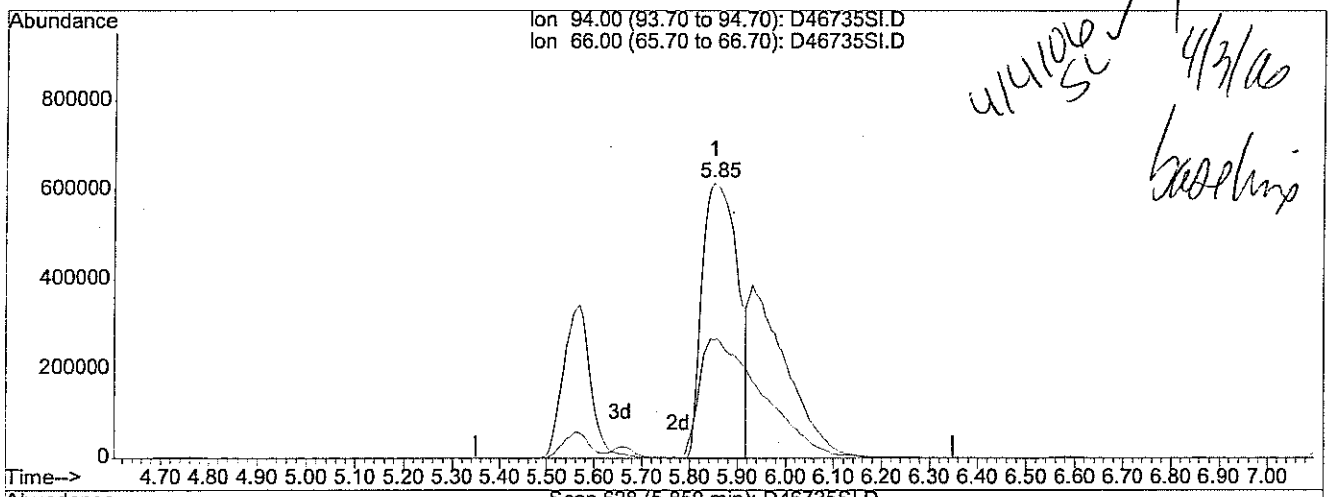


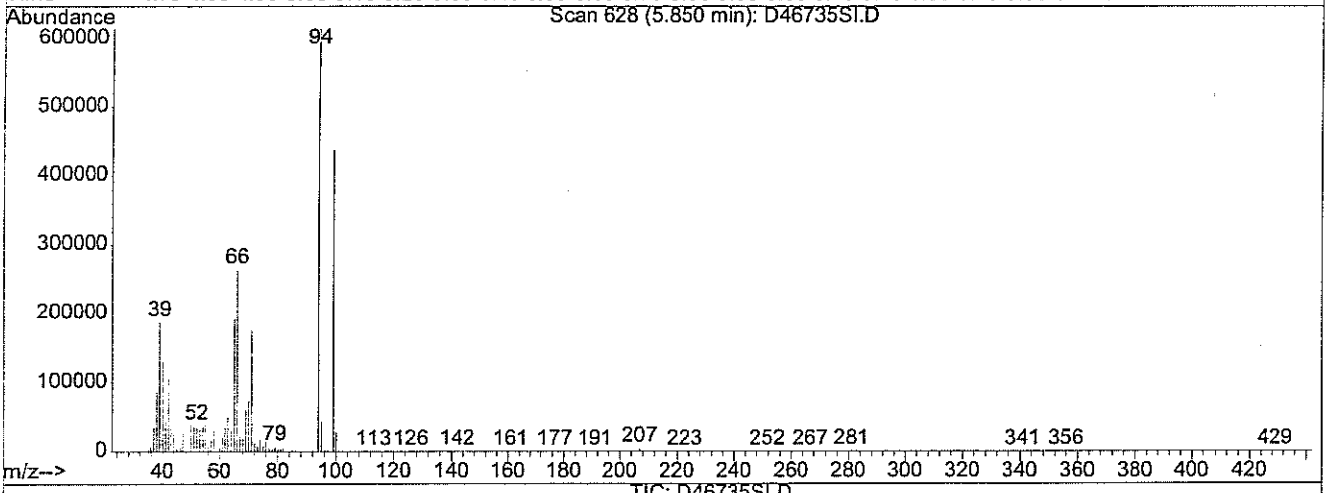
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\040306-D\D46735SI.D Vial: 8
Acq On : 3 Apr 2006 7:32 pm Operator:
Sample : S6739 ABN PT 5 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 3 19:45 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 19:48:24 2006
Response via : Multiple Level Calibration

4/4/06 SL ✓ 4/3/06





TIC: D46735SI.D

(7) Phenol (TMC)

5.85min 115.33ug/ml

response 3184604

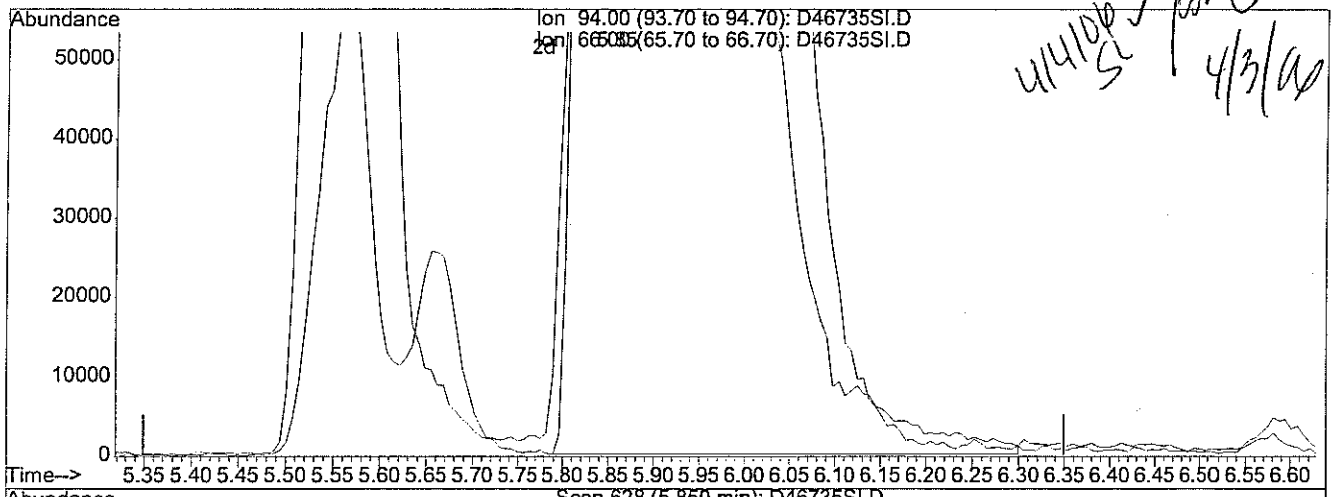
Ion	Exp%	Act%
94.00	100	100
66.00	46.50	76.44#
0.00	0.00	0.00
0.00	0.00	0.00

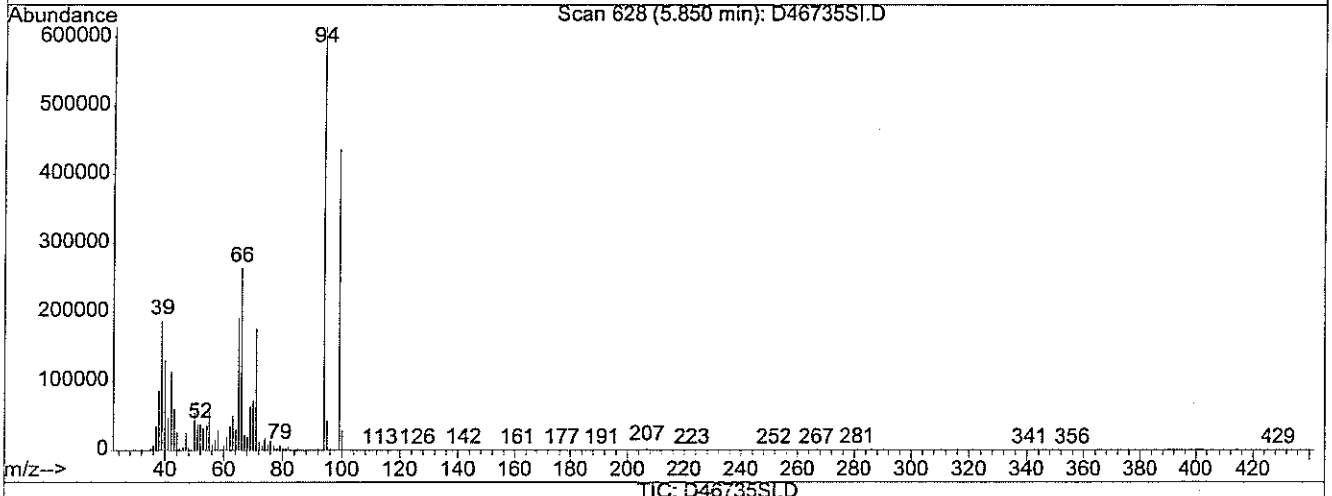
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\040306-D\D46735SI.D Vial: 8
Acq On : 3 Apr 2006 7:32 pm Operator:
Sample : S6739 ABN PT 5 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 3 20:39 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 19:48:24 2006
Response via : Multiple Level Calibration

4/4/06 SL ✓ 4/3/06





TIC: D46735SI.D

(7) Phenol (TMC)

5.85min 193.50ug/ml m

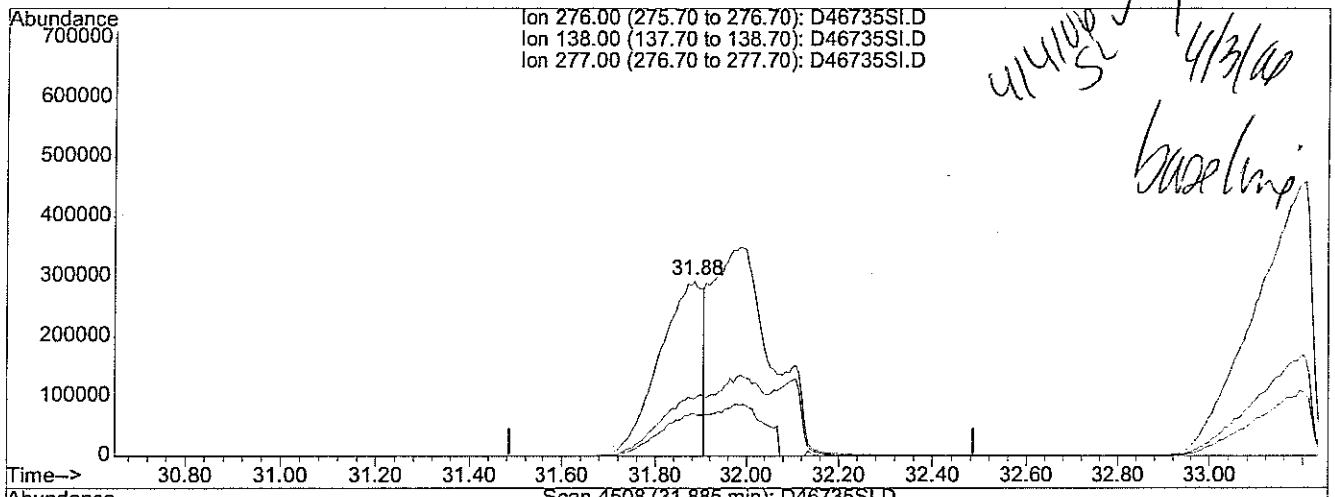
response 5342955

Ion	Exp%	Act%
94.00	100	100
66.00	46.50	45.56
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\040306-D\D46735SI.D Vial: 8
Acq On : 3 Apr 2006 7:32 pm Operator:
Sample : S6739 ABN PT 5 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 3 20:39 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 19:48:24 2006
Response via : Multiple Level Calibration



TIC: D46735SI.D

(84) Indeno [1,2,3-cd] pyrene (TM)

31.88min 42.15ug/ml

response 1923482

Ion	Exp%	Act%
276.00	100	100
138.00	33.50	36.72
277.00	24.00	23.05
0.00	0.00	0.00

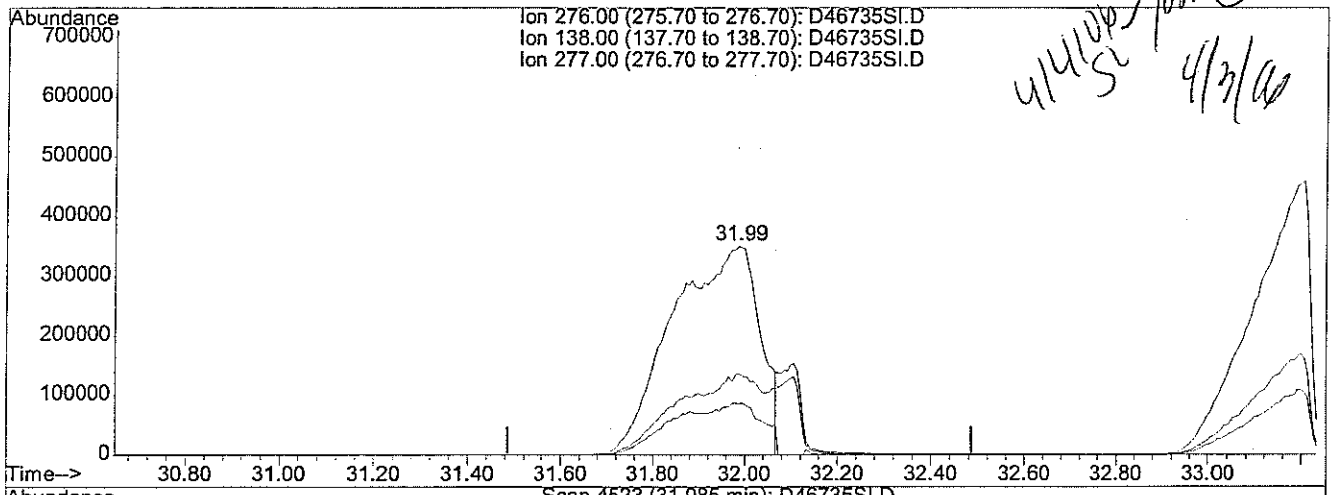
D46735SI.D S04036.M Mon Apr 03 20:40:20 2006

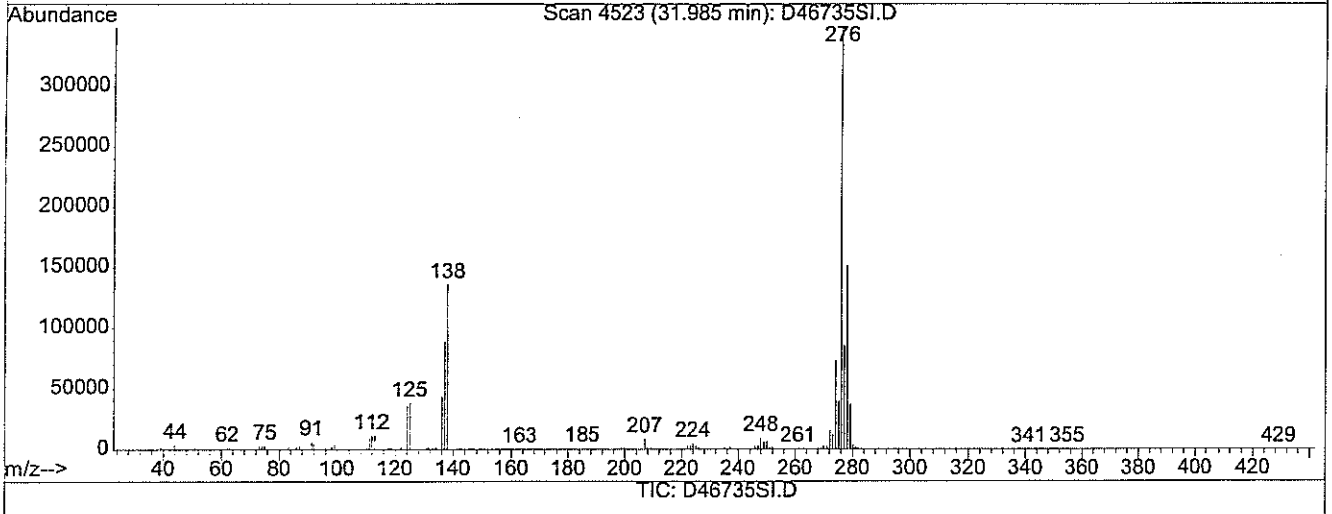
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\040306-D\D46735SI.D Vial: 8
Acq On : 3 Apr 2006 7:32 pm Operator:
Sample : S6739 ABN PT 5 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 3 20:40 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 19:48:24 2006
Response via : Multiple Level Calibration

4/4 UP SI 4/3/06





(84) Indeno [1,2,3-cd] pyrene (TM)

31.99min 100.25ug/ml m

response 4575216

Ion	Exp%	Act%
276.00	100	100
138.00	33.50	15.44#
277.00	24.00	9.69#
0.00	0.00	0.00

ABN CC

Data File Name D46736.D
Date Acquired 4/3/2006 8:10
Sample Name S6703 ABN CC 20

4/3/06

4/4/06 SL

Name	ug/ml Amount	ug/ml Expected	% RECOVERY	70%-130%
Pyridine	20.43	20	102%	OK
N-nitrosodimethylamine	19.89	20	99%	OK
Phenol	41.24	40	103%	OK
2-Chlorophenol	43.11	40	108%	OK
bis(2-chloroethyl) ether	21.46	20	107%	OK
1,3-Dichlorobenzene	21.09	20	105%	OK
1,4-Dichlorobenzene	20.89	20	104%	OK
1,2-Dichlorobenzene	21.77	20	109%	OK
2-Methylphenol	42.76	40	107%	OK
bis(2-chloroisopropyl)ether	21.57	20	108%	OK
3+4-Methylphenol	42.96	40	107%	OK
Hexachloroethane	21.17	20	106%	OK
N-nitroso-di-n-propylamine	22.53	20	113%	OK
Nitrobenzene	20.47	20	102%	OK
Isophorone	23.66	20	118%	OK
2-Nitrophenol	42.36	40	106%	OK
2,4-Dimethylphenol	36.29	40	91%	OK
Bis(2-chloroethoxy)methane	20.24	20	101%	OK
2,4-Dichlorophenol	40.03	40	100%	OK
Benzoic Acid	40.20	40	100%	OK
1,2,4-Trichlorobenzene	20.61	20	103%	OK
Naphthalene	20.95	20	105%	OK
2,6-Dichlorophenol	40.68	40	102%	OK
Hexachlorobutadiene	20.07	20	100%	OK
4-Chloro-3-methylphenol	42.47	40	106%	OK
Hexachlorocyclopentadiene	24.10	20	121%	OK
2,4,6-Trichlorophenol	44.46	40	111%	OK
2,4,5-Trichlorophenol	43.05	40	108%	OK
2-Chloronaphthalene	22.11	20	111%	OK
2,6-Dinitrotoluene	21.71	20	109%	OK
Dimethyl Phthalate	21.34	20	107%	OK
Acenaphthylene	22.40	20	112%	OK
Acenaphthene	21.63	20	108%	OK
2,4-dinitrophenol	40.56	40	101%	OK
4-Nitrophenol	43.41	40	109%	OK
2,4-Dinitrotoluene	23.15	20	116%	OK
2,3,4,6-Tetrachlorophenol	48.13	40	120%	OK
Fluorene	21.84	20	109%	OK
Diethyl Phthalate	22.21	20	111%	OK
4-Chlorophenyl phenyl ether	21.43	20	107%	OK
4,6-Dinitro-2-methylphenol	40.43	40	101%	OK
n-nitrosodiphenylamine	22.77	20	114%	OK
Azobenzene	21.07	20	105%	OK
4-bromophenyl phenyl ether	20.76	20	104%	OK
Hexachlorobenzene	20.93	20	105%	OK
Pentachlorophenol	37.94	40	95%	OK
Phenanthrene	20.96	20	105%	OK
Anthracene	21.40	20	107%	OK
Carbazole	21.42	20	107%	OK
Di-n-butyl phthalate	22.13	20	111%	OK
Fluoranthene	21.97	20	110%	OK
Pyrene	22.45	20	112%	OK
Butyl benzyl phthalate	22.05	20	110%	OK
Benzo[a]anthracene	22.16	20	111%	OK
Chrysene	21.46	20	107%	OK
Bis (2-ethylhexyl) phthalate	20.95	20	105%	OK
di-n-octyl-phthalate	21.25	20	106%	OK
Benzo[b] fluoranthene	21.64	20	108%	OK
Benzo[k] fluoranthene	22.76	20	114%	OK
Benzo[a] pyrene	22.56	20	113%	OK
Indeno [1,2,3-cd] pyrene	21.55	20	108%	OK
Dibenz [a,h] anthracene	22.43	20	112%	OK
Benzo(g,h,i) perylene	22.99	20	115%	OK
2-Fluorophenol	42.34	40	106%	OK
d5-Phenol	34.33	40	86%	OK
d5-nitrobenzene	41.31	40	103%	OK
2-Fluorobiphenyl	43.84	40	110%	OK
2,4,6-Tribromophenol	44.50	40	111%	OK
d14-p-terphenyl	40.09	40	100%	OK

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\040306-D\D46736.D Vial: 9
Acq On : 3 Apr 2006 8:10 pm Operator:
Sample : S6703 ABN CC 20 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 3 20:43 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 20:43:13 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4/4/06 SL ✓ 4/3/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	6.12	152	667320	40.00	ug/ml	0.00
19) d8-Naphthalene	9.07	136	2371547 ✓	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.37	164	1139352 ✓	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.96	188	1951838	40.00	ug/ml	0.00
71) d12-Chrysene	23.44	240	1776199	40.00	ug/ml	0.00
79) d12-Perylene	27.67	264	1683028	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.95	112	911053	42.34	ug/ml	-0.02
Spiked Amount 75.000	Range 28 - 110		Recovery = 56.45%			
5) d5-Phenol	5.92	99	918116	34.33	ug/ml	-0.01
Spiked Amount 75.000	Range 22 - 110		Recovery = 45.77%			
20) d5-nitrobenzene	7.45	82	1122363	41.31	ug/ml	0.00
Spiked Amount 50.000	Range 45 - 107		Recovery = 82.62%			
39) 2-Fluorobiphenyl	11.76	172	1558827	43.84	ug/ml	0.00
Spiked Amount 50.000	Range 44 - 102		Recovery = 87.68%			
60) 2,4,6-Tribromophenol	15.39	330	273186	44.50	ug/ml	0.00
Spiked Amount 75.000	Range 63 - 127		Recovery = 59.33%#			
73) d14-p-terphenyl	20.92	244	1489737	40.09	ug/ml	0.00
Spiked Amount 50.000	Range 33 - 132		Recovery = 80.18%			
Target Compounds						Qvalue
2) Pyridine	1.80	79	727989	20.43	ug/ml	94
3) N-nitrosodimethylamine	1.78	42	378044	19.89	ug/ml	98
7) Phenol	5.95	94	1220421	41.24	ug/ml	96
8) 2-Chlorophenol	5.95	128	925254	43.11	ug/ml	99
9) bis(2-chloroethyl) ether	5.64	93	513075	21.46	ug/ml	100
10) 1,3-Dichlorobenzene	6.04	146	533337	21.09	ug/ml	99
11) 1,4-Dichlorobenzene	6.15	146	539961	20.89	ug/ml	97
12) 1,2-Dichlorobenzene	6.57	146	518674	21.77	ug/ml	99
14) 2-Methylphenol	7.13	108	802169	42.76	ug/ml	99
15) bis(2-chloroisopropyl)ethe	6.84	45	929635	21.57	ug/ml	99
16) 3+4-Methylphenol	7.49	108	847464	42.96	ug/ml	99
17) Hexachloroethane	7.24	117	207044	21.17	ug/ml	99
18) N-nitroso-di-n-propylamine	7.17	70	415949	22.53	ug/ml	99
21) Nitrobenzene	7.50	123	260816	20.47	ug/ml	97
22) Isophorone	8.03	82	1122315	23.66	ug/ml	99
23) 2-Nitrophenol	8.25	139	602283	42.36	ug/ml	100
24) 2,4-Dimethylphenol	8.60	107	760711	36.29	ug/ml	98
25) Bis(2-chloroethoxy)methane	8.60	93	591227	20.24	ug/ml	98
26) 2,4-Dichlorophenol	9.12	162	702129	40.03	ug/ml#	82
27) Benzoic Acid	9.17	105	427907	40.20	ug/ml#	77

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\040306-D\D46736.D Vial: 9
Acq On : 3 Apr 2006 8:10 pm Operator:
Sample : S6703 ABN CC 20 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 3 20:43 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 20:43:13 2006
Response via : Initial Calibration
DataAcq Meth : ABN

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
28)	1,2,4-Trichlorobenzene	8.97	180	364454	20.61 ug/ml	98
29)	Naphthalene	9.11	128	1274517	20.95 ug/ml	99
30)	2,6-Dichlorophenol	9.43	162	707416	40.68 ug/ml	99
32)	Hexachlorobutadiene	9.56	225	221536	20.07 ug/ml	98
33)	4-Chloro-3-methylphenol	10.98	107	753035	42.47 ug/ml	99
36)	Hexachlorocyclopentadiene	11.33	237	184266	24.10 ug/ml	99
37)	2,4,6-Trichlorophenol	11.72	196	457199	44.46 ug/ml	97
38)	2,4,5-Trichlorophenol	12.17	196	478778	43.05 ug/ml	99
40)	2-Chloronaphthalene	11.96	162	741999	22.11 ug/ml	95
42)	2,6-Dinitrotoluene	13.08	165	220010	21.71 ug/ml	95
43)	Dimethyl Phthalate	12.90	163	859881	21.34 ug/ml	100
44)	Acenaphthylene	12.98	152	1272954	22.40 ug/ml	97
46)	Acenaphthene	13.45	154	720580	21.63 ug/ml	99
47)	2,4-dinitrophenol	13.69	184	202725	40.56 ug/ml	98
49)	4-Nitrophenol	14.74	109	191837	43.41 ug/ml	79
50)	2,4-Dinitrotoluene	14.02	165	299454	23.15 ug/ml	99
51)	2,3,4,6-Tetrachlorophenol	14.42	232	386841	48.13 ug/ml	96
52)	Fluorene	14.67	166	830647	21.84 ug/ml	100
53)	Diethyl Phthalate	14.63	149	932251	22.21 ug/ml	100
54)	4-Chlorophenyl phenyl eth	14.72	204	391339	21.43 ug/ml	97
56)	4,6-Dinitro-2-methylphenol	15.01	198	361569	40.43 ug/ml	98
57)	n-nitrosodiphenylamine	15.06	169	584677	22.77 ug/ml	98
58)	Azobenzene	15.09	77	1168893	21.07 ug/ml#	92
62)	4-bromophenyl phenyl ether	15.89	248	233874	20.76 ug/ml	96
63)	Hexachlorobenzene	16.22	284	254907	20.93 ug/ml	100
64)	Pentachlorophenol	16.82	266	241926	37.94 ug/ml	98
65)	Phenanthrene	17.00	178	1088215	20.96 ug/ml	99
66)	Anthracene	17.11	178	1120286	21.40 ug/ml	98
67)	Carbazole	17.61	167	1078625	21.42 ug/ml	99
68)	Di-n-butyl phthalate	18.59	149	1580016	22.13 ug/ml	99
69)	Fluoranthene	19.91	202	1150483	21.97 ug/ml	99
70)	Benzidine	20.31	184	1703	Below Cal #	73
72)	Pyrene	20.45	202	1183522	22.45 ug/ml	98
74)	Butyl benzyl phthalate	22.22	149	705543	22.05 ug/ml	99
75)	Benzo[a]anthracene	23.38	228	1110360	22.16 ug/ml	99
76)	Chrysene	23.50	228	1059069	21.46 ug/ml	99
78)	Bis (2-ethylhexyl) phthala	23.69	149	955045	20.95 ug/ml	99
80)	di-n-octyl-phthalate	25.37	149	1509001	21.25 ug/ml	100
81)	Benzo[b] fluoranthene	26.42	252	1033528	21.64 ug/ml	98
82)	Benzo[k] fluoranthene	26.49	252	1031137	22.76 ug/ml	98
83)	Benzo[a] pyrene	27.45	252	1011827	22.56 ug/ml	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\040306-D\D46736.D Vial: 9
Acq On : 3 Apr 2006 8:10 pm Operator:
Sample : S6703 ABN CC 20 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 3 20:43 2006 Quant Results File: S04036.RES

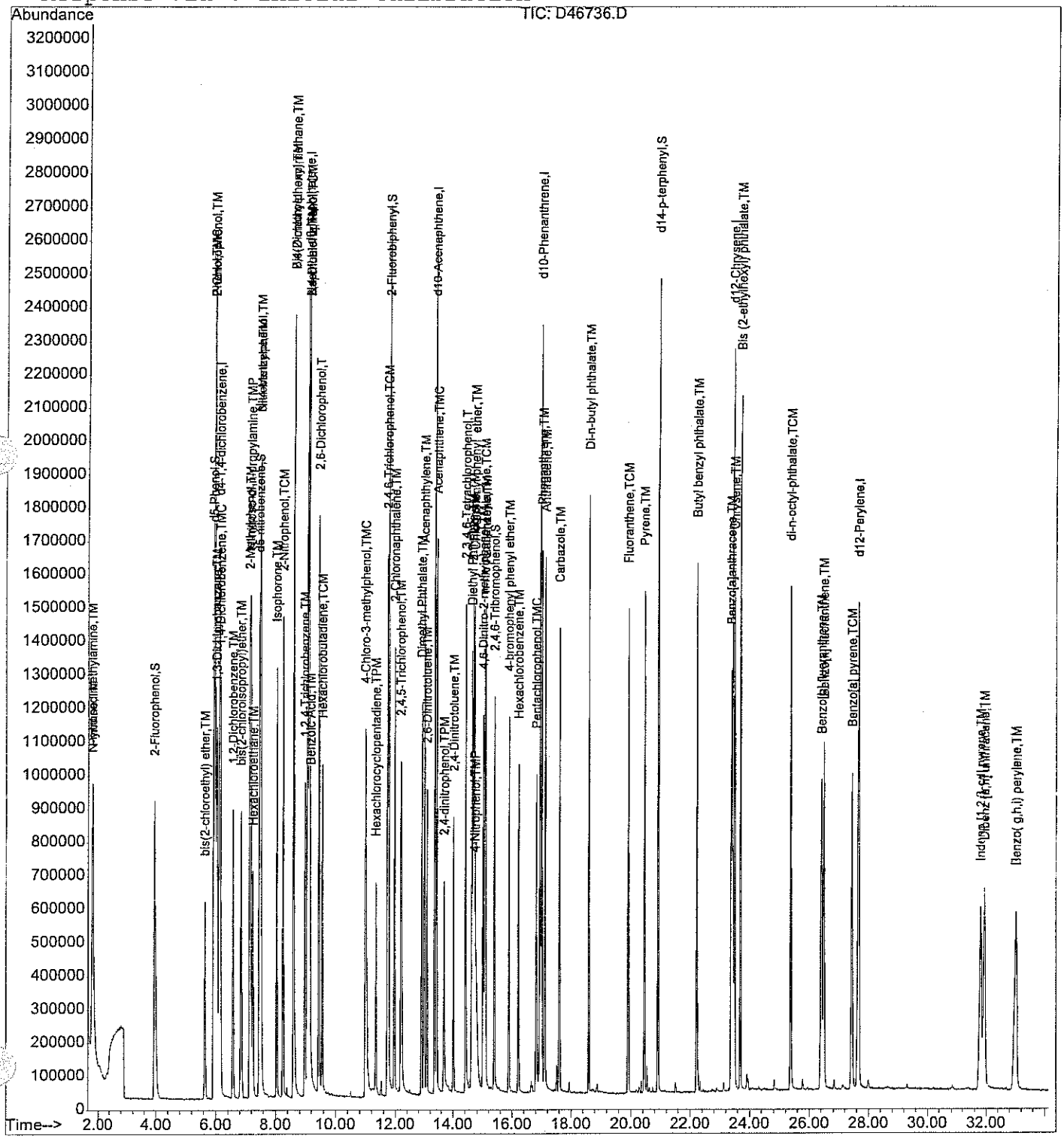
Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 20:43:13 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
84) Indeno [1,2,3-cd] pyrene	31.82	276	940926	21.55 ug/ml	98
85) Dibenz [a,h] anthracene	31.95	278	943847	22.43 ug/ml	99
86) Benzo(g,h,i) perylene	33.04	276	986730	22.99 ug/ml	97

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\040306-D\D46736.D Vial: 9
Acq On : 3 Apr 2006 8:10 pm Operator:
Sample : S6703 ABN CC 20 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 3 20:43 2006 Quant Results File: S04036.RES

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 20:43:13 2006
Response via : Initial Calibration



4/3/06

BENZIDINES + ANILINES
CC

Data File Name D46737.D
Date Acquired 4/3/2006 8:21
Sample Name S6690 BENZIDINES + ANILINES

Name	ug/ml Amount	ug/ml Expected	% RECOVERY	70%-130%
Aniline	20.26	20	101%	OK
Benzyl Alcohol	19.81	20	99%	OK
4-Chloroaniline	18.49	20	92%	OK
2-Methylnaphthalene	19.68	20	98%	OK
2-Nitroaniline	20.00	20	100%	OK
3-Nitroaniline	20.59	20	103%	OK
Dibenzofuran	18.70	20	93%	OK
4-Nitroaniline	19.94	20	100%	OK
Benzidine	53.82	20	269%	*
3,3'-Dichlorobenzidine	20.32	20	102%	OK

4/4/06 SL

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\040306-D\D46737.D Vial: 10
Acq On : 3 Apr 2006 8:21 pm Operator:
Sample : S6690 BENZIDINES + ANILINES CC 20 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 3 20:52 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 20:43:13 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4/4/06 SL ✓ 4/3/06

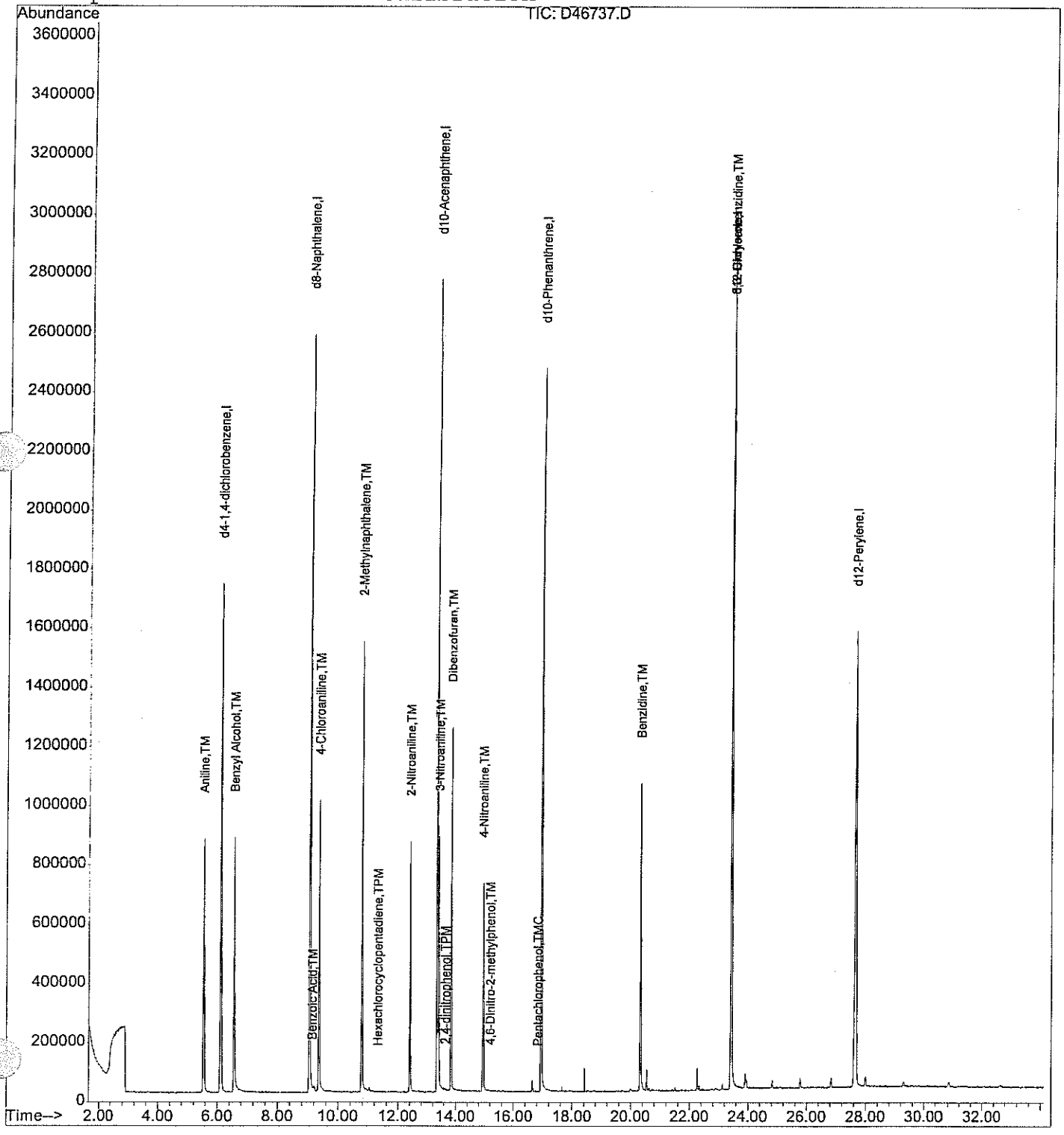
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	6.12	152	716366	40.00	ug/ml	0.00
19) d8-Naphthalene	9.06	136	2578056	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.37	164	1218413 ✓	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.95	188	2017093	40.00	ug/ml	0.00
71) d12-Chrysene	23.44	240	1829138	40.00	ug/ml	0.00
79) d12-Perylene	27.67	264	1778466	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.94	112	119	0.01	ug/ml	-0.03
Spiked Amount 75.000	Range 28 - 110		Recovery = 0.01%#			
5) d5-Phenol	5.93	99	52	0.00	ug/ml	0.00
Spiked Amount 75.000	Range 22 - 110		Recovery = 0.00%#			
20) d5-nitrobenzene	7.45	82	182	0.01	ug/ml	0.00
Spiked Amount 50.000	Range 45 - 107		Recovery = 0.02%#			
39) 2-Fluorobiphenyl	11.85	172	265	0.01	ug/ml	0.09
Spiked Amount 50.000	Range 44 - 102		Recovery = 0.02%#			
60) 2,4,6-Tribromophenol	15.40	330	43	0.01	ug/ml	0.01
Spiked Amount 75.000	Range 63 - 127		Recovery = 0.01%#			
73) d14-p-terphenyl	20.91	244	164	0.00	ug/ml	0.00
Spiked Amount 50.000	Range 33 - 132		Recovery = 0.00%#			
Target Compounds						Qvalue
6) Aniline	5.54	93	754699	20.26	ug/ml	99
13) Benzyl Alcohol	6.56	108	277865	19.81	ug/ml	95
27) Benzoic Acid	9.15	105	452	2.72	ug/ml#	76
31) 4-Chloroaniline	9.36	127	564198	18.49	ug/ml	98
34) 2-Methylnaphthalene	10.77	141	729585	19.68	ug/ml	98
36) Hexachlorocyclopentadiene	11.30	237	41	2.18	ug/ml#	19
41) 2-Nitroaniline	12.40	138	322773	20.00	ug/ml	99
45) 3-Nitroaniline	13.43	138	260838	20.59	ug/ml	98
47) 2,4-dinitrophenol	13.66	184	54	5.97	ug/ml#	1
48) Dibenzofuran	13.83	168	964605	18.70	ug/ml	98
55) 4-Nitroaniline	14.95	138	270209	19.94	ug/ml#	86
56) 4,6-Dinitro-2-methylphenol	15.20	198	56	4.20	ug/ml#	1
64) Pentachlorophenol	16.84	266	315	6.20	ug/ml#	61
70) Benzidine	20.34	184	761504	53.82	ug/ml	99
77) 3,3'-Dichlorobenzidine	23.44	252	373133	20.32	ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\040306-D\D46737.D Vial: 10
Acq On : 3 Apr 2006 8:21 pm Operator:
Sample : S6690 BENZIDINES + ANILINES CC 20 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 3 20:52 2006 Quant Results File: S04036.RES

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Mon Apr 03 20:43:13 2006
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : D:\HPCHEM\1\DATA\042406-D\D47033SC.D Vial: 2
Acq On : 24 Apr 2006 10:40 pm Operator:
Sample : S6761 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Fri Apr 21 21:07:30 2006
Response via : Multiple Level Calibration

4/24/06

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	d4-1,4-dichlorobenzene	1.000	1.000	0.0	109	0.02
2	TM	Pyridine	2.136	1.938	9.3	100	0.03
3	TM	N-nitrosodimethylamine	1.139	1.193	-4.7	114	0.03
4	S	2-Fluorophenol	1.290	1.424	-10.4	124	0.00
5	S	d5-Phenol	1.603	1.793	-11.9	122	-0.01
6	TM	Aniline	2.080	2.088	-0.4	110	0.02
7	TMC	Phenol	1.774	1.870	-5.4	115	-0.01
8	TM	2-Chlorophenol	1.286	1.466	-14.0	121	0.00
9	TM	bis(2-chloroethyl) ether	1.433	1.517	-5.9	116	0.02
10	TM	1,3-Dichlorobenzene	1.516	1.560	-2.9	110	0.02
11	TMC	1,4-Dichlorobenzene	1.549	1.600	-3.3	113	0.02
12	TM	1,2-Dichlorobenzene	1.428	1.509	-5.7	119	0.02
13	TM	Benzyl Alcohol	0.783	0.878	-12.1	125	0.00
14	TM	2-Methylphenol	1.124	1.209	-7.6	117	-0.01
15	TM	bis(2-chloroisopropyl)ether	2.584	3.003	-16.2	134	0.00
16	TM	3+4-Methylphenol	1.182	1.300	-10.0	123	-0.01
17	TM	Hexachloroethane	0.586	0.629	-7.3	113	0.02
18	TMP	N-nitroso-di-n-propylamine	1.107	1.211	-9.4	119	0.00
19	I	d8-Naphthalene	1.000	1.000	0.0	120	0.00
20	S	d5-nitrobenzene	0.458	0.470	-2.6	122	0.00
21	TM	Nitrobenzene	0.215	0.223	-3.7	126	0.00
22	TM	Isophorone	0.800	0.805	-0.6	121	0.00
23	TCM	2-Nitrophenol	0.240	0.251	-4.6	125	0.00
24	TM	2,4-Dimethylphenol	0.354	0.356	-0.6	120	-0.01
25	TM	Bis(2-chloroethoxy)methane	0.493	0.478	3.0	118	0.00
26	TCM	2,4-Dichlorophenol	0.296	0.290	2.0	118	-0.02
27	TM	Benzoic Acid	0.176	0.224	-27.3#	157	-0.03
28	TM	1,2,4-Trichlorobenzene	0.298	0.295	1.0	120	0.00
29	TM	Naphthalene	1.026	1.089	-6.1	126	0.00
30	T	2,6-Dichlorophenol	0.293	0.276	5.8	114	0.00
31	TM	4-Chloroaniline	0.473	0.462	2.3	122	0.00
32	TCM	Hexachlorobutadiene	0.186	0.176	5.4	116	0.00
33	TMC	4-Chloro-3-methylphenol	0.299	0.302	-1.0	122	-0.02
34	TM	2-Methylnaphthalene	0.575	0.573	0.3	118	0.00
35	I	d10-Acenaphthene	1.000	1.000	0.0	119	0.00
36	TPM	Hexachlorocyclopentadiene	0.226	0.246	-8.8	116	0.00
37	TCM	2,4,6-Trichlorophenol	0.361	0.401	-11.1	127	-0.01
38	TM	2,4,5-Trichlorophenol	0.390	0.411	-5.4	122	-0.04
39	S	2-Fluorobiphenyl	1.248	1.316	-5.4	121	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\HPCHEM\1\DATA\042406-D\D47033SC.D Vial: 2
Acq On : 24 Apr 2006 10:40 pm Operator:
Sample : S6761 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Fri Apr 21 21:07:30 2006
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	TM	2-Chloronaphthalene	1.178	1.209	-2.6	118	0.00
41	TM	2-Nitroaniline	0.530	0.584	-10.2	124	0.00
42	TM	2,6-Dinitrotoluene	0.356	0.374	-5.1	121	0.00
43	TM	Dimethyl Phthalate	1.415	1.456	-2.9	120	0.00
44	TM	Acenaphthylene	1.995	2.021	-1.3	116	0.00
45	TM	3-Nitroaniline	0.416	0.467	-12.3	130	0.00
46	TMC	Acenaphthene	1.169	1.150	1.6	116	0.00
47	TPM	2,4-dinitrophenol	0.149	0.196	-31.5#	152	0.00
48	TM	Dibenzofuran	1.694	1.703	-0.5	117	0.00
49	TMP	4-Nitrophenol	0.155	0.170	-9.7	124	-0.06
50	TM	2,4-Dinitrotoluene	0.454	0.469	-3.3	118	0.00
51	T	2,3,4,6-Tetrachlorophenol	0.282	0.297	-5.3	119	-0.01
52	TM	Fluorene	1.335	1.286	3.7	111	0.00
[illegible]	TM	Diethyl Phthalate	1.474	1.491	-1.2	114	-0.01
54	TM	4-Chlorophenyl phenyl ethe	0.641	0.635	0.9	115	0.00
55	TM	4-Nitroaniline	0.445	0.485	-9.0	119	-0.01
56	TM	4,6-Dinitro-2-methylphenol	0.259	0.316	-22.0#	132	0.00
57	TCM	n-nitrosodiphenylamine	0.901	0.898	0.3	113	0.00
58	TM	Azobenzene	1.947	2.001	-2.8	119	0.00
59	TM	Biphenyl	1.554	1.558	-0.3	115	0.00
60	S	2,4,6-Tribromophenol	0.216	0.248	-14.8	130	0.00
61	I	d10-Phenanthrene	1.000	1.000	0.0	114	0.00
62	TM	4-bromophenyl phenyl ether	0.231	0.241	-4.3	118	0.00
63	TM	Hexachlorobenzene	0.250	0.272	-8.8	124	0.00
64	TMC	Pentachlorophenol	0.122	0.137	-12.3	125	-0.02
65	TM	Phenanthrene	1.064	1.061	0.3	112	0.00
66	TM	Anthracene	1.073	1.080	-0.7	114	0.00
67	TM	Carbazole	1.032	1.055	-2.2	113	-0.01
68	TM	Di-n-butyl phthalate	1.463	1.557	-6.4	114	0.00
69	TCM	Fluoranthene	1.073	1.116	-4.0	115	0.00
70	TM	Benzidine	0.371	0.198	46.6#	60	0.00
71	I	d12-Chrysene	1.000	1.000	0.0	113	-0.01
72	TM	Pyrene	1.187	1.259	-6.1	120	-0.01
73	S	d14-p-terphenyl	0.837	0.864	-3.2	116	-0.01
74	TM	Butyl benzyl phthalate	0.721	0.749	-3.9	114	0.00
75	TM	Benzo[a]anthracene	1.128	1.152	-2.1	115	0.00
76	TM	Chrysene	1.112	1.104	0.7	112	-0.01
[illegible]	TM	3,3'-Dichlorobenzidine	0.402	0.452	-12.4	130	-0.01
78	TM	Bis (2-ethylhexyl) phthalat	1.027	1.017	1.0	108	-0.01

Ed drift = 10%

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\HPCHEM\1\DATA\042406-D\D47033SC.D Vial: 2
Acq On : 24 Apr 2006 10:40 pm Operator:
Sample : S6761 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Fri Apr 21 21:07:30 2006
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
79	I	d12-Perylene	1.000	1.000	0.0	118	-0.03
80	TCM	di-n-octyl-phthalate	1.688	1.772	-5.0	113	-0.01
81	TM	Benzo[b] fluoranthene	1.135	1.177	-3.7	122	-0.02
82	TM	Benzo[k] fluoranthene	1.077	1.113	-3.3	116	-0.02
83	TCM	Benzo[a] pyrene	1.066	1.098	-3.0	121	-0.03
84	TM	Indeno [1,2,3-cd] pyrene	1.038	1.076	-3.7	117	-0.05
85	TM	Dibenz [a,h] anthracene	1.000	1.030	-3.0	117	-0.05
86	TM	Benzo(g,h,i) perylene	1.020	1.098	-7.6	119	-0.07

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042406-D\D47033SC.D Vial: 2
Acq On : 24 Apr 2006 10:40 pm Operator:
Sample : S6761 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 24 23:06 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Fri Apr 21 21:07:30 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4/26/06 SC ✓ 4/24/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.84	152	674165	40.00	ug/ml	0.02
19) d8-Naphthalene	8.78	136	2408676	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.07	164	1163481	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.64	188	1917998	40.00	ug/ml	0.00
71) d12-Chrysene	23.10	240	1797037	40.00	ug/ml	-0.01
79) d12-Perylene	27.16	264	1757938	40.00	ug/ml	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	3.60	112	960316	44.18	ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 58.91%			
5) d5-Phenol	5.50	99	1208741	44.74	ug/ml	-0.01
Spiked Amount 75.000	Range 22 - 110		Recovery = 59.65%			
20) d5-nitrobenzene	7.18	82	1131217	40.99	ug/ml	0.00
Spiked Amount 50.000	Range 45 - 107		Recovery = 81.98%			
39) 2-Fluorobiphenyl	11.47	172	1531306	42.17	ug/ml	0.00
Spiked Amount 50.000	Range 44 - 102		Recovery = 84.34%			
60) 2,4,6-Tribromophenol	15.06	330	288218	45.97	ug/ml	0.00
Spiked Amount 75.000	Range 63 - 127		Recovery = 61.29%#			
73) d14-p-terphenyl	20.60	244	1551984	41.28	ug/ml	-0.01
Spiked Amount 50.000	Range 33 - 132		Recovery = 82.56%			
Target Compounds						Qvalue
2) Pyridine	1.58	79	653362	18.15	ug/ml	94
3) N-nitrosodimethylamine	1.57	42	402163	20.95	ug/ml	91
6) Aniline	5.27	93	703873	20.08	ug/ml	100
7) Phenol	5.54	94	1260399	42.15	ug/ml	99
8) 2-Chlorophenol	5.59	128	988549	45.59	ug/ml	96
9) bis(2-chloroethyl) ether	5.37	93	511388	21.18	ug/ml	96
10) 1,3-Dichlorobenzene	5.76	146	525785	20.58	ug/ml	100
11) 1,4-Dichlorobenzene	5.88	146	539458	20.66	ug/ml	98
12) 1,2-Dichlorobenzene	6.29	146	508563	21.13	ug/ml	98
13) Benzyl Alcohol	6.27	108	295933	22.42	ug/ml	90
14) 2-Methylphenol	6.75	108	815092	43.01	ug/ml#	63
15) bis(2-chloroisopropyl)ethe	6.57	45	1012121	23.24	ug/ml	100
16) 3+4-Methylphenol	7.10	108	876415	43.98	ug/ml	99
17) Hexachloroethane	6.96	117	211991	21.46	ug/ml	98
18) N-nitroso-di-n-propylamine	6.90	70	408287	21.89	ug/ml	99
21) Nitrobenzene	7.22	123	268856	20.78	ug/ml	98
22) Isophorone	7.75	82	969170	20.11	ug/ml	99
23) 2-Nitrophenol	7.96	139	605197	41.91	ug/ml	98
24) 2,4-Dimethylphenol	8.25	107	858048	40.30	ug/ml	99
25) Bis(2-chloroethoxy)methane	8.33	93	575635	19.41	ug/ml	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042406-D\D47033SC.D Vial: 2
Acq On : 24 Apr 2006 10:40 pm Operator:
Sample : S6761 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 24 23:06 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Fri Apr 21 21:07:30 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 2,4-Dichlorophenol	8.70	162	698500	39.21 ug/ml	94
27) Benzoic Acid	8.77	105	540065	48.58 ug/ml	92
28) 1,2,4-Trichlorobenzene	8.69	180	355073	19.77 ug/ml	98
29) Naphthalene	8.82	128	1311048	21.22 ug/ml	100
30) 2,6-Dichlorophenol	9.13	162	664824	37.64 ug/ml#	80
31) 4-Chloroaniline	9.09	127	555994	19.50 ug/ml	99
32) Hexachlorobutadiene	9.27	225	211630	18.88 ug/ml	99
33) 4-Chloro-3-methylphenol	10.55	107	727642	40.40 ug/ml	99
34) 2-Methylnaphthalene	10.49	141	690299	19.93 ug/ml	98
36) Hexachlorocyclopentadiene	11.04	237	142952	18.86 ug/ml	100
37) 2,4,6-Trichlorophenol	11.37	196	466865	44.46 ug/ml	98
38) 2,4,5-Trichlorophenol	11.65	196	478209	42.10 ug/ml	98
40) 2-Chloronaphthalene	11.67	162	703233	20.52 ug/ml	98
41) 2-Nitroaniline	12.10	138	339813	22.05 ug/ml	96
42) 2,6-Dinitrotoluene	12.78	165	217509	21.02 ug/ml	98
43) Dimethyl Phthalate	12.61	163	846960	20.58 ug/ml	100
44) Acenaphthylene	12.69	152	1175714	20.26 ug/ml	97
45) 3-Nitroaniline	13.13	138	271895	22.47 ug/ml	97
46) Acenaphthene	13.14	154	669209	19.68 ug/ml	99
47) 2,4-dinitrophenol	13.38	184	227870	43.95 ug/ml	95
48) Dibenzofuran	13.53	168	990955	20.11 ug/ml	100
49) 4-Nitrophenol	14.13	109	197243	43.71 ug/ml	95
50) 2,4-Dinitrotoluene	13.72	165	272846	20.65 ug/ml	96
51) 2,3,4,6-Tetrachlorophenol	14.06	232	345426	42.08 ug/ml	99
52) Fluorene	14.37	166	748032	19.26 ug/ml	99
53) Diethyl Phthalate	14.36	149	867513	20.24 ug/ml	99
54) 4-Chlorophenyl phenyl eth	14.41	204	369482	19.82 ug/ml	99
55) 4-Nitroaniline	14.66	138	282067	21.79 ug/ml	97
56) 4,6-Dinitro-2-methylphenol	14.72	198	367846	40.29 ug/ml	99
57) n-nitrosodiphenylamine	14.76	169	522583	19.93 ug/ml	93
58) Azobenzene	14.80	77	1164263	20.56 ug/ml	99
59) Biphenyl	11.67	154	906453	20.06 ug/ml	100
62) 4-bromophenyl phenyl ether	15.59	248	231278	20.89 ug/ml	98
63) Hexachlorobenzene	15.91	284	261128	21.81 ug/ml	98
64) Pentachlorophenol	16.46	266	263249	41.37 ug/ml	98
65) Phenanthrene	16.69	178	1017025	19.94 ug/ml	99
66) Anthracene	16.80	178	1035332	20.13 ug/ml	99
67) Carbazole	17.28	167	1012107	20.45 ug/ml	99
68) Di-n-butyl phthalate	18.30	149	1493148	21.28 ug/ml	99
69) Fluoranthene	19.59	202	1070049	20.80 ug/ml	99
70) Benzidine	20.01	184	190121	10.21 ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042406-D\D47033SC.D Vial: 2
Acq On : 24 Apr 2006 10:40 pm Operator:
Sample : S6761 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 24 23:06 2006 Quant Results File: S04036.RES

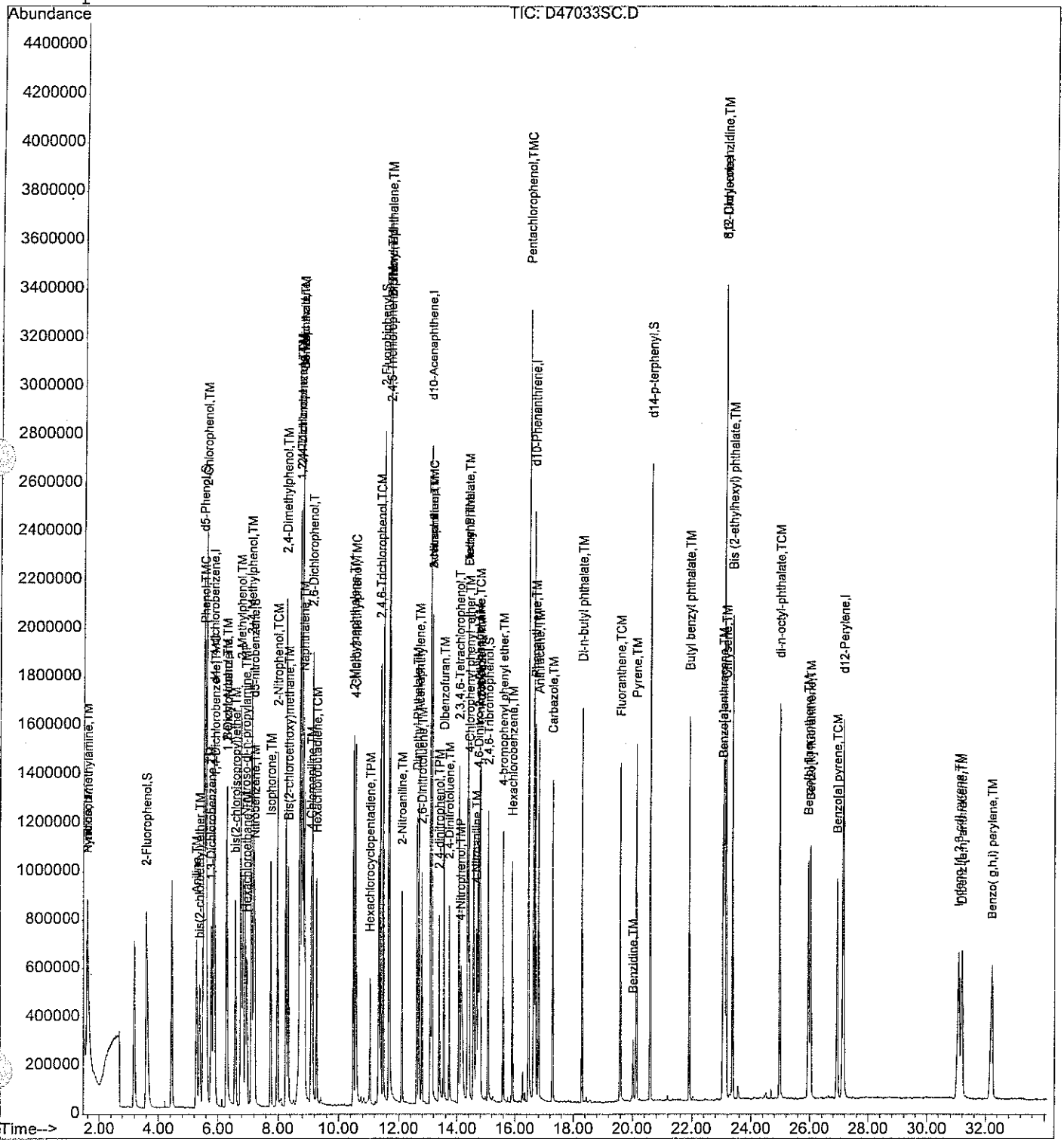
Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Fri Apr 21 21:07:30 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
72) Pyrene	20.12	202	1130949	21.20	ug/ml	100
74) Butyl benzyl phthalate	21.91	149	673165	20.79	ug/ml	96
75) Benzo[a]anthracene	23.05	228	1035275	20.42	ug/ml	100
76) Chrysene	23.16	228	991897	19.86	ug/ml	100
77) 3,3'-Dichlorobenzidine	23.10	252	406327	22.52	ug/ml	98
78) Bis (2-ethylhexyl) phthala	23.36	149	913695	19.81	ug/ml	100
80) di-n-octyl-phthalate	24.97	149	1557773	21.00	ug/ml	99
81) Benzo[b] fluoranthene	25.95	252	1034520	20.73	ug/ml	99
82) Benzo[k] fluoranthene	26.03	252	978316	20.68	ug/ml	99
83) Benzo[a] pyrene	26.94	252	964886	20.59	ug/ml	99
84) Indeno [1,2,3-cd] pyrene	31.07	276	945816	20.74	ug/ml#	63
85) Dibenz [a,h] anthracene	31.19	278	905774	20.60	ug/ml	99
86) Benzo(g,h,i) perylene	32.21	276	965269	21.53	ug/ml	99

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042406-D\D47033SC.D Vial: 2
Acq On : 24 Apr 2006 10:40 pm Operator:
Sample : S6761 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 24 23:06 2006 Quant Results File: S04036.RES

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Fri Apr 21 21:07:30 2006
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : D:\HPCHEM\1\DATA\042506-D\D47065SC.D Vial: 2
Acq On : 25 Apr 2006 8:44 pm Operator:
Sample : S6761 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Tue Apr 25 20:47:53 2006
Response via : Multiple Level Calibration

4/27/06 4/25/06

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	d4-1,4-dichlorobenzene	1.000	1.000	0.0	101	0.01
2	TM	Pyridine	2.136	1.944	9.0	92	0.01
3	TM	N-nitrosodimethylamine	1.139	1.306	-14.7	114	0.01
4	S	2-Fluorophenol	1.290	1.496	-16.0	120	-0.01
5	S	d5-Phenol	1.603	1.896	-18.3	119	-0.04
6	TM	Aniline	2.080	2.117	-1.8	103	0.00
7	TMC	Phenol	1.774	1.948	-9.8	110	-0.04
8	TM	2-Chlorophenol	1.286	1.509	-17.3	114	-0.02
9	TM	bis(2-chloroethyl) ether	1.433	1.570	-9.6	110	0.01
10	TM	1,3-Dichlorobenzene	1.516	1.606	-5.9	104	0.00
11	TMC	1,4-Dichlorobenzene	1.549	1.622	-4.7	105	0.00
12	TM	1,2-Dichlorobenzene	1.428	1.536	-7.6	112	0.00
13	TM	Benzyl Alcohol	0.783	0.887	-13.3	116	0.00
14	TM	2-Methylphenol	1.124	1.297	-15.4	115	-0.03
15	TM	bis(2-chloroisopropyl)ether	2.584	3.317	-28.4#	136	0.00
16	TM	3+4-Methylphenol	1.182	1.336	-13.0	116	-0.04
17	TM	Hexachloroethane	0.586	0.647	-10.4	107	0.00
18	TMP	N-nitroso-di-n-propylamine	1.107	1.293	-16.8	117	0.00
19	I	d8-Naphthalene	1.000	1.000	0.0	114	0.00
20	S	d5-nitrobenzene	0.458	0.470	-2.6	117	0.00
21	TM	Nitrobenzene	0.215	0.224	-4.2	121	0.00
22	TM	Isophorone	0.800	0.818	-2.2	117	-0.01
23	TCM	2-Nitrophenol	0.240	0.248	-3.3	118	0.00
24	TM	2,4-Dimethylphenol	0.354	0.349	1.4	112	-0.02
25	TM	Bis(2-chloroethoxy)methane	0.493	0.495	-0.4	117	0.00
26	TCM	2,4-Dichlorophenol	0.296	0.280	5.4	109	-0.04
27	TM	Benzoic Acid	0.176	0.198	-12.5	132	0.00
28	TM	1,2,4-Trichlorobenzene	0.298	0.292	2.0	113	-0.01
29	TM	Naphthalene	1.026	1.062	-3.5	118	-0.01
30	T	2,6-Dichlorophenol	0.293	0.278	5.1	109	-0.02
31	TM	4-Chloroaniline	0.473	0.459	3.0	116	-0.01
32	TCM	Hexachlorobutadiene	0.186	0.166	10.8	105	0.00
33	TMC	4-Chloro-3-methylphenol	0.299	0.295	1.3	113	-0.04
34	TM	2-Methylnaphthalene	0.575	0.557	3.1	109	-0.01
35	I	d10-Acenaphthene	1.000	1.000	0.0	110	-0.01
36	TPM	Hexachlorocyclopentadiene	0.226	0.203	10.2	89	-0.01
37	TCM	2,4,6-Trichlorophenol	0.361	0.401	-11.1	118	-0.02
38	TM	2,4,5-Trichlorophenol	0.390	0.418	-7.2	115	-0.05
39	S	2-Fluorobiphenyl	1.248	1.331	-6.7	113	-0.01

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\HPCHEM\1\DATA\042506-D\D47065SC.D Vial: 2
Acq On : 25 Apr 2006 8:44 pm Operator:
Sample : S6761 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Tue Apr 25 20:47:53 2006
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	TM	2-Chloronaphthalene	1.178	1.278	-8.5	116	-0.02
41	TM	2-Nitroaniline	0.530	0.606	-14.3	119	-0.02
42	TM	2,6-Dinitrotoluene	0.356	0.389	-9.3	117	-0.01
43	TM	Dimethyl Phthalate	1.415	1.454	-2.8	111	-0.01
44	TM	Acenaphthylene	1.995	2.069	-3.7	110	-0.01
45	TM	3-Nitroaniline	0.416	0.467	-12.3	121	-0.01
46	TMC	Acenaphthene	1.169	1.157	1.0	108	-0.01
47	TPM	2,4-dinitrophenol	0.149	0.188	-26.2#	135	-0.01
48	TM	Dibenzofuran	1.694	1.700	-0.4	108	-0.01
49	TMP	4-Nitrophenol	0.155	0.148	4.5	100	-0.08
50	TM	2,4-Dinitrotoluene	0.454	0.494	-8.8	115	-0.01
51	T	2,3,4,6-Tetrachlorophenol	0.282	0.295	-4.6	109	-0.02
52	TM	Fluorene	1.335	1.337	-0.1	107	-0.01
[illegible]	TM	Diethyl Phthalate	1.474	1.508	-2.3	107	-0.03
54	TM	4-Chlorophenyl phenyl ether	0.641	0.660	-3.0	111	-0.01
55	TM	4-Nitroaniline	0.445	0.498	-11.9	114	-0.02
56	TM	4,6-Dinitro-2-methylphenol	0.259	0.311	-20.1#	120	-0.01
57	TCM	n-nitrosodiphenylamine	0.901	0.890	1.2	104	-0.02
58	TM	Azobenzene	1.947	2.116	-8.7	117	-0.01
59	TM	Biphenyl	1.554	1.624	-4.5	111	-0.01
60	S	2,4,6-Tribromophenol	0.216	0.245	-13.4	119	-0.02
61	I	d10-Phenanthrene	1.000	1.000	0.0	107	-0.01
62	TM	4-bromophenyl phenyl ether	0.231	0.239	-3.5	110	-0.02
63	TM	Hexachlorobenzene	0.250	0.264	-5.6	113	-0.01
64	TMC	Pentachlorophenol	0.122	0.122	0.0	105	-0.02
65	TM	Phenanthrene	1.064	1.052	1.1	105	-0.02
66	TM	Anthracene	1.073	1.057	1.5	105	-0.02
67	TM	Carbazole	1.032	1.064	-3.1	107	-0.02
68	TM	Di-n-butyl phthalate	1.463	1.578	-7.9	108	-0.01
69	TCM	Fluoranthene	1.073	1.211	-12.9	118	-0.02
70	TM	Benzidine	0.371	0.173	53.4#	50#	-0.01
71	I	d12-Chrysene	1.000	1.000	0.0	117	-0.02
72	TM	Pyrene	1.187	1.207	-1.7	119	-0.02
73	S	d14-p-terphenyl	0.837	0.803	4.1	112	-0.02
74	TM	Butyl benzyl phthalate	0.721	0.716	0.7	112	-0.02
75	TM	Benzo[a]anthracene	1.128	1.157	-2.6	119	-0.01
[illegible]	TM	Chrysene	1.112	1.081	2.8	113	-0.02
[illegible]	TM	3,3'-Dichlorobenzidine	0.402	0.435	-8.2	130	-0.02
78	TM	Bis (2-ethylhexyl) phthalat	1.027	0.986	4.0	108	-0.02

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\HPCHEM\1\DATA\042506-D\D47065SC.D Vial: 2
Acq On : 25 Apr 2006 8:44 pm Operator:
Sample : S6761 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Tue Apr 25 20:47:53 2006
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
79	I	d12-Perylene	1.000	1.000	0.0	102	-0.04
80	TCM	di-n-octyl-phthalate	1.688	2.021	-19.7	112	-0.03
81	TM	Benzo[b] fluoranthene	1.135	1.243	-9.5	111	-0.02
82	TM	Benzo[k] fluoranthene	1.077	1.211	-12.4	109	-0.03
83	TCM	Benzo[a] pyrene	1.066	1.130	-6.0	108	-0.03
84	TM	Indeno [1,2,3-cd] pyrene	1.038	1.008	2.9	95	-0.05
85	TM	Dibenz [a,h] anthracene	1.000	1.001	-0.1	98	-0.05
86	TM	Benzo(g,h,i) perylene	1.020	0.981	3.8	92	-0.08

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042506-D\D47065SC.D Vial: 2
Acq On : 25 Apr 2006 8:44 pm Operator:
Sample : S6761 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 25 21:51 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Tue Apr 25 20:47:53 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4-27-06
4/25/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.85	152	620133	40.00	ug/ml	0.01
19) d8-Naphthalene	8.78	136	2299031	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.07	164	1079040	40.00	ug/ml	-0.01
61) d10-Phenanthrene	16.65	188	1806275	40.00	ug/ml	-0.01
71) d12-Chrysene	23.11	240	1860412	40.00	ug/ml	-0.02
79) d12-Perylene	27.16	264	1525801	40.00	ug/ml	-0.04
System Monitoring Compounds						
4) 2-Fluorophenol	3.59	112	927699	46.40	ug/ml	-0.01
Spiked Amount 75.000	Range 28 - 110		Recovery = 61.87%			
5) d5-Phenol	5.49	99	1175517	47.30	ug/ml	-0.04
Spiked Amount 75.000	Range 22 - 110		Recovery = 63.07%			
20) d5-nitrobenzene	7.18	82	1081080	41.04	ug/ml	0.00
Spiked Amount 50.000	Range 45 - 107		Recovery = 82.08%			
39) 2-Fluorobiphenyl	11.47	172	1436204	42.65	ug/ml	-0.01
Spiked Amount 50.000	Range 44 - 102		Recovery = 85.30%			
60) 2,4,6-Tribromophenol	15.06	330	264407	45.47	ug/ml	-0.02
Spiked Amount 75.000	Range 63 - 127		Recovery = 60.63%#			
73) d14-p-terphenyl	20.60	244	1493863	38.39	ug/ml	-0.02
Spiked Amount 50.000	Range 33 - 132		Recovery = 76.78%			
Target Compounds						Qvalue
2) Pyridine	1.57	79	602654	18.20	ug/ml	88
3) N-nitrosodimethylamine	1.56	42	405027	22.93	ug/ml	88
6) Aniline	5.27	93	656531	20.36	ug/ml	98
7) Phenol	5.52	94	1207824	43.91	ug/ml	100
8) 2-Chlorophenol	5.58	128	935830	46.92	ug/ml	98
9) bis(2-chloroethyl) ether	5.38	93	486934	21.92	ug/ml	92
10) 1,3-Dichlorobenzene	5.76	146	497920	21.19	ug/ml	100
11) 1,4-Dichlorobenzene	5.88	146	502897	20.93	ug/ml	99
12) 1,2-Dichlorobenzene	6.29	146	476170	21.50	ug/ml	95
13) Benzyl Alcohol	6.27	108	275108	22.66	ug/ml	97
14) 2-Methylphenol	6.74	108	804569	46.16	ug/ml#	61
15) bis(2-chloroisopropyl)ethe	6.57	45	1028460	25.68	ug/ml	98
16) 3+4-Methylphenol	7.08	108	828676	45.21	ug/ml	98
17) Hexachloroethane	6.96	117	200595	22.08	ug/ml	98
18) N-nitroso-di-n-propylamine	6.90	70	400825	23.36	ug/ml	98
21) Nitrobenzene	7.22	123	257295	20.83	ug/ml	97
22) Isophorone	7.75	82	940209	20.44	ug/ml	99
23) 2-Nitrophenol	7.96	139	569798	41.34	ug/ml	98
24) 2,4-Dimethylphenol	8.24	107	801448	39.44	ug/ml	99
25) Bis(2-chloroethoxy)methane	8.33	93	569403	20.11	ug/ml	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042506-D\D47065SC.D Vial: 2
Acq On : 25 Apr 2006 8:44 pm Operator:
Sample : S6761 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 25 21:51 2006 Quant Results File: S04036.RES

Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Tue Apr 25 20:47:53 2006
Response via : Initial Calibration
DataAcq Meth : ABN

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
26)	2,4-Dichlorophenol	8.69	162	642768	37.80	ug/ml	91
27)	Benzoic Acid	8.75	105	454586	43.54	ug/ml	93
28)	1,2,4-Trichlorobenzene	8.69	180	335487	19.57	ug/ml	98
29)	Naphthalene	8.82	128	1220299	20.69	ug/ml	100
30)	2,6-Dichlorophenol	9.12	162	639493	37.94	ug/ml#	77
31)	4-Chloroaniline	9.08	127	527842	19.40	ug/ml	99
32)	Hexachlorobutadiene	9.27	225	191168	17.87	ug/ml	99
33)	4-Chloro-3-methylphenol	10.55	107	678917	39.49	ug/ml	99
34)	2-Methylnaphthalene	10.49	141	640639	19.37	ug/ml	98
36)	Hexachlorocyclopentadiene	11.04	237	109640	15.98	ug/ml	99
37)	2,4,6-Trichlorophenol	11.37	196	432840	44.45	ug/ml	99
38)	2,4,5-Trichlorophenol	11.65	196	450817	42.80	ug/ml	99
40)	2-Chloronaphthalene	11.67	162	689576	21.70	ug/ml	98
41)	2-Nitroaniline	12.10	138	326750	22.86	ug/ml	97
42)	2,6-Dinitrotoluene	12.79	165	210139	21.89	ug/ml	98
43)	Dimethyl Phthalate	12.61	163	784551	20.56	ug/ml	100
44)	Acenaphthylene	12.69	152	1116200	20.74	ug/ml	95
45)	3-Nitroaniline	13.13	138	252044	22.46	ug/ml	95
46)	Acenaphthene	13.14	154	624258	19.79	ug/ml	97
47)	2,4-dinitrophenol	13.38	184	203377	42.56	ug/ml	99
48)	Dibenzofuran	13.54	168	917327	20.08	ug/ml	99
49)	4-Nitrophenol	14.12	109	159193	38.04	ug/ml	86
50)	2,4-Dinitrotoluene	13.73	165	266384	21.74	ug/ml	99
51)	2,3,4,6-Tetrachlorophenol	14.06	232	318770	41.87	ug/ml	98
52)	Fluorene	14.38	166	721247	20.02	ug/ml	99
53)	Diethyl Phthalate	14.35	149	813473	20.46	ug/ml	99
54)	4-Chlorophenyl phenyl eth	14.42	204	356273	20.60	ug/ml	96
55)	4-Nitroaniline	14.66	138	268672	22.38	ug/ml	98
56)	4,6-Dinitro-2-methylphenol	14.73	198	335773	39.69	ug/ml	99
57)	n-nitrosodiphenylamine	14.76	169	480034	19.74	ug/ml	99
58)	Azobenzene	14.79	77	1141423	21.73	ug/ml	98
59)	Biphenyl	11.67	154	876337	20.91	ug/ml	99
62)	4-bromophenyl phenyl ether	15.59	248	215610	20.68	ug/ml	99
63)	Hexachlorobenzene	15.91	284	238065	21.12	ug/ml	98
64)	Pentachlorophenol	16.46	266	220043	37.39	ug/ml	98
65)	Phenanthrene	16.69	178	950293	19.78	ug/ml	100
66)	Anthracene	16.80	178	954245	19.70	ug/ml	99
67)	Carbazole	17.29	167	961075	20.62	ug/ml	100
68)	Di-n-butyl phthalate	18.30	149	1424959	21.57	ug/ml	99
69)	Fluoranthene	19.59	202	1094092	22.58	ug/ml	98
70)	Benzidine	20.01	184	156172	8.48	ug/ml	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042506-D\D47065SC.D Vial: 2
Acq On : 25 Apr 2006 8:44 pm Operator:
Sample : S6761 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 25 21:51 2006 Quant Results File: S04036.RES

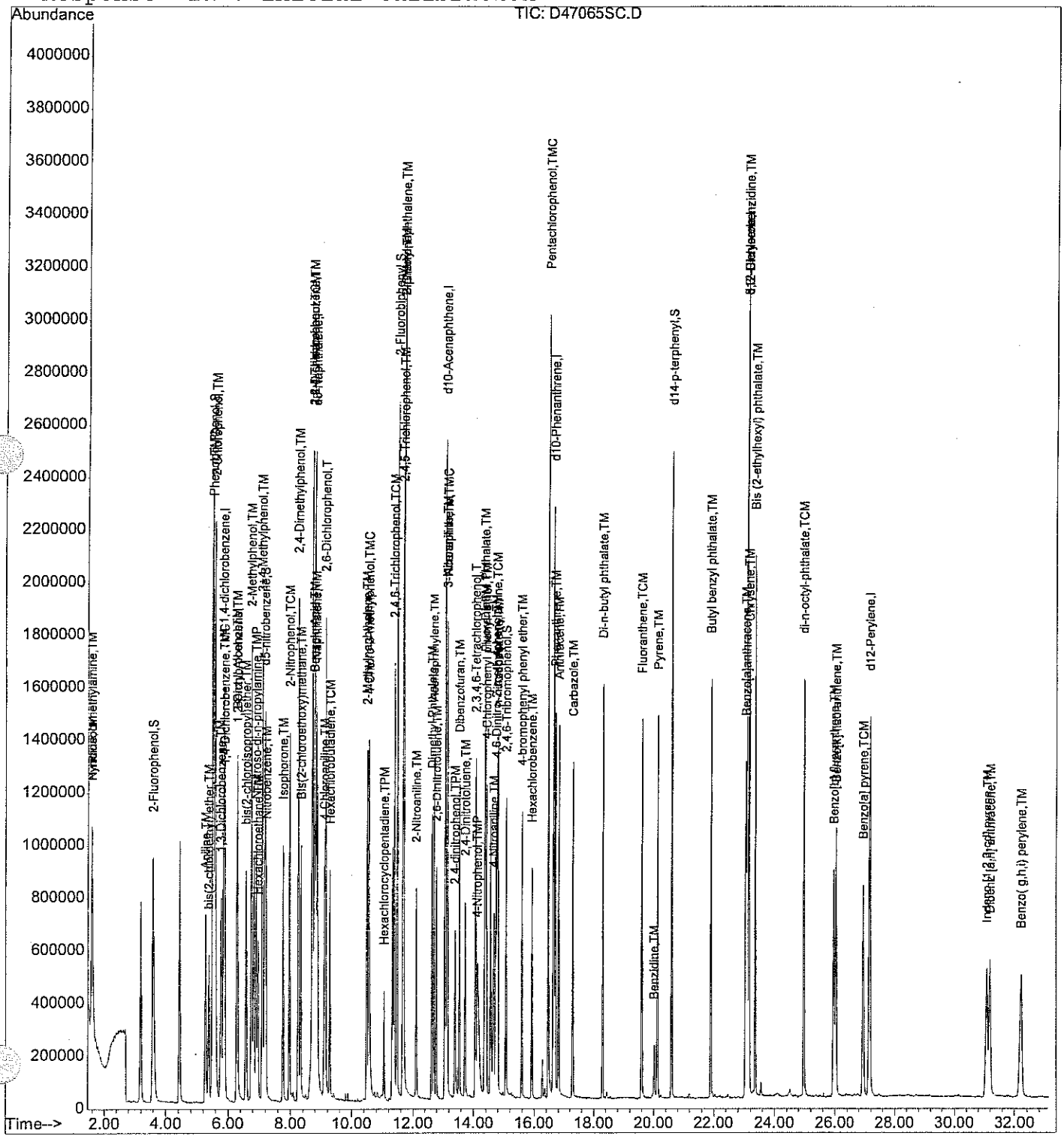
Quant Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Tue Apr 25 20:47:53 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
72) Pyrene	20.13	202	1122434	20.32	ug/ml	99
74) Butyl benzyl phthalate	21.91	149	665941	19.87	ug/ml	96
75) Benzo[a]anthracene	23.05	228	1075799	20.50	ug/ml	99
76) Chrysene	23.16	228	1005437	19.45	ug/ml	100
77) 3,3'-Dichlorobenzidine	23.11	252	405012	21.69	ug/ml	98
78) Bis (2-ethylhexyl) phthala	23.36	149	916759	19.20	ug/ml	100
80) di-n-octyl-phthalate	24.97	149	1541953	23.95	ug/ml	97
81) Benzo[b] fluoranthene	25.97	252	948534	21.90	ug/ml	98
82) Benzo[k] fluoranthene	26.03	252	923668	22.49	ug/ml	99
83) Benzo[a] pyrene	26.95	252	861738	21.19	ug/ml	99
84) Indeno [1,2,3-cd] pyrene	31.09	276	769332	19.44	ug/ml#	60
85) Dibenz [a,h] anthracene	31.20	278	763533	20.01	ug/ml	98
86) Benzo(g,h,i) perylene	32.21	276	748152	19.23	ug/ml	98

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042506-D\D47065SC.D Vial: 2
Acq On : 25 Apr 2006 8:44 pm Operator:
Sample : S6761 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 25 21:51 2006 Quant Results File: S04036.RES

Method : D:\HPCHEM\1\METHODS\S04036.M (RTE Integrator)
Title : ABN
Last Update : Tue Apr 25 20:47:53 2006
Response via : Initial Calibration



SEMI-VOLATILE ORGANIC
INTERNAL STANDARD AREA AND RT SUMMARY

Project #:

DFTPP File ID: D46728T.D

Instrument ID: D

GC Column: RTX-5MS

Quote #: NA

Site ID: Subbase Groton Site 7

ID: 0.25(mm)

SDG#: 56323

Location: CT

DFTPP Injection Date: 4/3/06

DFTPP Injection Time: 1335

		IS1 AREA	#	RT	#	IS2 AREA	#	RT	#	IS3 AREA	#	RT	#	IS4 AREA	#	RT	#	IS5 AREA	#	RT	#	IS6 AREA	#	RT	#
	12 HOUR STD	616078		6.12		2015400		9.06		981578		13.37		1684420		16.95		1584920		23.44		1491460		27.67	
	UPPER LIMIT	1232156		6.49		4030800		9.61		1963156		14.17		3368840		17.97		3169840		24.85		2982920		29.33	
	LOWER LIMIT	308039		5.76		1007700		8.52		490789		12.57		842210		15.94		792460		22.04		745730		26.01	
	SAMPLE NO.																								
01	ZZZZZ	423780		6.23		1465970		9.17		806107		13.48		1353110		17.07		1292860		23.56		1269950		27.85	
02	S6745 ABN PT 1	466247		6.11		1790560		9.06		890551		13.37		1341490		16.95		1390470		23.44		1331230		27.66	
03	S6744 ABN PT 2A	589842		6.13		1808600		9.06		899202		13.37		1484960		16.95		1504250		23.44		1444510		27.68	
04	S6743 ABN PT 2	592655		6.12		1912640		9.06		939929		13.37		1629760		16.95		1488750		23.44		1399560		27.67	
05	S6742 ABN PT 3	616078		6.12		2015400		9.06		981578		13.37		1684420		16.95		1584920		23.44		1491460		27.67	
06	S6741 ABN PT 4A	622842		6.13		2152890		9.07		1101810		13.37		1889910		16.96		1656630		23.45		1710830		27.68	
07	S6740 ABN PT 4	630835		6.13		2186920		9.07		1099310		13.37		1871070		16.96		1599960		23.45		1725250		27.69	
08	S6739 ABN PT 5	622484		6.14		2007990		9.08		1099990		13.39		1889170		16.97		1537470		23.46		1763070		27.70	
09	S6703 ABN CC 20/40	667320		6.12		2371550		9.07		1139350		13.37		1951840		16.96		1776200		23.44		1683030		27.67	
10	S6690 BENZ/ANA CC	716366		6.12		2578060		9.06		1218410		13.37		2017090		16.95		1829140		23.44		1778470		27.67	
11																									
12																									
13																									
14																									
15																									
16																									
17																									
18																									
19																									
20																									
21																									
22																									

IS1 = d4-1,4 -Dichlorobenzene
IS2 =d8- Naphthalene
IS3 = d10-Acenaphthalene
IS4 = d10- Phenanthrene
IS5 = d12-Chrysene
IS6 = d10-Perylene

AREA UPPER LIMIT = +100 of internal standard area
AREA LOWER LIMIT = -50 of internal standard area
RT UPPER LIMIT = +0.06 minutes of internal standard RT
RT LOWER LIMIT = -0.06 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

GC/MS QA-QC Check Report

Tune File : D:\HPCHEM\1\DATA\040306-D\D46728T.D
Tune Time : 3 Apr 2006 1:35 pm

Daily Calibration File : D:\HPCHEM\1\DATA\040306-D\D46732SI.D

						616078	2015400	981578
						1684420	1584920	1491460
File	Sample	Surrogate Recovery %				Internal Standard Responses		
D46729SI.D	S6745 AB	6*	4*	7*	9*	466247	1790556	890551
		5*	8*			1341487	1390468	1331227
D46730SI.D	S6744 AB	9*	11*	18*	17*	589842	1808598	899202
		10*	16*			1484963	1504248	1444513
D46731SI.D	S6743 AB	27*	28	45	42*	592655	1912640	939929
		28*	43			1629762	1488753	1399563
D46732SI.D	S6742 AB	52	53	80	83	616078	2015398	981578
		56*	81			1684421	1584916	1491456
D46733SI.D	S6741 AB	109	110*	156*	154*	622842	2152894	1101808
		113	162*			1889913	1656625	1710825
D46734SI.D	S6740 AB	134*	133*	186*	189*	630835	2186924	1099312
		138*	196*			1871074	1599962	1725249
D46735SI.D	S6739 AB	271*	266*	384*	350*	622484	2007988	1099991
		264*	362*			1889174	1537465	1763070
D46736.D	S6703 AB	56	46	83	88	667320	2371547	1139352
		59*	80			1951838	1776199	1683028
D46737.D	S6690 BE	0*	0*	0*	0*	716366	2578056	1218413
		0*	0*			2017093	1829138	1778466

t - fails 12hr time check * - fails criteria

Created: Mon Apr 03 20:54:25 2006 D Instrum

SEMI-VOLATILE ORGANIC
INTERNAL STANDARD AREA AND RT SUMMARY

Project #:

Quote #: NA

SDG#: 56323

DFTPP File ID: D47030T.D

Site ID: Subbase Groton Site 7

Location: CT

Instrument ID: D

DFTPP Injection Date: 4/24/06

GC Column: RTX-5MS

ID: 0.25(mm)

DFTPP Injection Time: 2100

		IS1 AREA	#	RT	#	IS2 AREA	#	RT	#	IS3 AREA	#	RT	#	IS4 AREA	#	RT	#	IS5 AREA	#	RT	#	IS6 AREA	#	RT	#
	12 HOUR STD	674165		5.84		2408680		8.78		1163480		13.07		1918000		16.64		1797040		23.10		1757940		27.16	
	UPPER LIMIT	1348330		6.19		4817360		9.30		2326960		13.86		3836000		17.64		3594080		24.49		3515880		28.79	
	LOWER LIMIT	337083		5.49		1204340		8.25		581740		12.29		959000		15.64		898520		21.72		878970		25.53	
	SAMPLE NO.																								
01	ZZZZZ	825880		5.84		2932310		8.78		1447080		13.08		2409230		16.65		2221030		23.11		2250520		27.17	
02	S6760 BENZIDINES + ANIL	677727		5.84		2505630		8.77		1148530		13.07		1921760		16.64		1844130		23.09		1749650		27.15	
03	S6761 PT3 20/40	674165		5.84		2408680		8.78		1163480		13.07		1918000		16.64		1797040		23.10		1757940		27.16	
04	B04246AS	707672		5.84		2546250		8.78		1156060		13.07		1999870		16.64		1820180		23.10		1723950		27.15	
05	L04246AS	720716		5.85		2550330		8.78		1174110		13.07		1987780		16.65		1882030		23.10		1926230		27.17	
06	LD04246AS	704185		5.84		2495010		8.78		1163410		13.08		1903660		16.65		1780760		23.11		1812740		27.17	
07	56323-1	723953		5.84		2638930		8.77		1191310		13.07		2019850		16.64		2024930		23.11		1812220		27.17	
08	56323-2	722334		5.84		2677140		8.77		1234350		13.07		2174870		16.64		2047930		23.10		1816440		27.17	
09	56323-3	726927		5.85		2679370		8.78		1211810		13.07		2090060		16.64		2020360		23.10		1940970		27.16	
10	56323-4	673079		5.85		2430560		8.77		1132900		13.07		1914370		16.64		1965490		23.11		1554320		27.17	
11	56323-5	681035		5.85		2509040		8.78		1183930		13.07		2009720		16.64		2098020		23.12		1077010		27.20	
12	56323-6	697948		5.85		2548470		8.78		1232920		13.08		2027620		16.64		2052990		23.11		917163		27.17	
13	ZZZZZ	688615		5.85		2512060		8.78		1170250		13.07		1963800		16.64		1890190		23.11		694403	*	27.16	
14	ZZZZZ	673827		5.85		2483690		8.78		1164710		13.07		1988120		16.65		1967770		23.13		692139	*	27.19	
15	ZZZZZ	603198		5.85		2214000		8.77		1019510		13.07		1684520		16.65		1694190		23.11		623036	*	27.17	
16	ZZZZZ	691415		5.85		2587630		8.78		1175610		13.08		1962960		16.65		1956210		23.11		814723	*	27.15	
17	ZZZZZ	700034		5.85		2593880		8.78		1215270		13.07		1980660		16.64		2034910		23.11		728726	*	27.16	
18	ZZZZZ	688633		5.85		2538990		8.78		1193500		13.07		2067470		16.64		2010450		23.11		769329	*	27.15	
19	ZZZZZ	686850		5.86		2522170		8.79		1228280		13.08		2038870		16.65		2006710		23.12		726077	*	27.16	
20	ZZZZZ	697305		5.85		2598330		8.78		1220840		13.08		2080600		16.65		2085790		23.12		722863	*	27.15	
21																									
22																									

IS1 = d4-1,4 -Dichlorobenzene
IS2 =d8- Naphthalene
IS3 = d10-Acenaphthalene
IS4 = d10- Phenanthrene
IS5 = d12-Chrysene
IS6 = d10-Perylene

AREA UPPER LIMIT = +100 of internal standard area
AREA LOWER LIMIT = -50 of internal standard area
RT UPPER LIMIT = +0.06 minutes of internal standard RT
RT LOWER LIMIT = -0.06 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

GC/MS QA-QC Check Report

Tune File : D:\HPCHEM\1\DATA\042406-D\D47030T.D
Tune Time : 24 Apr 2006 9:00 pm

Daily Calibration File : D:\HPCHEM\1\DATA\042406-D\D47033SC.D

4/25/06

4/26/06 SL ✓ 674165 2408680 1163480

1918000 1797040 1757940

File	Sample	Surrogate Recovery %				Internal Standard Responses		
D47032SC.D	S6760 BE	0*	0*	0*	0*	677727	2505631	1148533
		0*	0*			1921756	1844126	1749648
D47034B.D	B04246AS	73	81	74	86	707672	2546246	1156059
		100	87			1999867	1820178	1723950
D47035Q.D	LL04246AS	73	84	76	88	720716	2550332	1174105
		100	83			1987782	1882031	1926226
D47036Q.D	LD04246A	72	82	73	83	704185	2495005	1163410
		98	84			1903658	1780755	1812735
D47037.D	56323-1	77	85	75	87	723953	2638931	1191309
		102	78			2019846	2024928	1812215
D47038.D	56323-2	67	79	70	80	722334	2677142	1234352
		103	80			2174865	2047926	1816440
D47039.D	56323-3	71	83	71	84	726927	2679372	1211814
		100	78			2090058	2020361	1940968
D47040.D	56323-4	63	71	63	75	673079	2430556	1132898
		91	69			1914373	1965494	1554323
D47041.D	56323-5	75	86	78	88	681035	2509038	1183925
		102	74			2009715	2098015	1077011
D47042.D	56323-6	63	75	68	79	697948	2548470	1232923
		95	77			2027620	2052992	917163
D47043.D	56323-7	62	76	67	80	688615	2512055	1170253
		94	81			1963800	1890193	694403*40%
D47044.D	56323-8	71	80	71	83	673827	2483694	1164709
		103	84			1988115	1967767	692139*39%
D47045.D	56323-9	70	79	70	83	603198	2214001	1019509
		102	80			1684516	1694192	623036*35%
D47046.D	56323-10	64	74	65	79	691415	2587625	1175607
		103	82			1962959	1956205	814723*46%
D47047.D	56323-11	69	81	69	82	700034	2593879	1215270
		100	80			1980660	2034912	728726*41%
D47048.D	56323-12	75	85	78	89	688633	2538989	1193501
		106	85			2067473	2010446	769329*44%

D47049SP.D 56323-12	72	87	74	83	686850	2522171	1228275
	103	86			2038867	2006714	726077*41%
D47050SP.Dt56323-12	75	87	75	87	697305	2598331	1220840
	104	85			2080599	2085787	722863*41%

t - fails 12hr time check * - fails criteria

Created: Tue Apr 25 19:10:03 2006 D Instrum

SEMI-VOLATILE ORGANIC
INTERNAL STANDARD AREA AND RT SUMMARY

Project #:

DFTPP File ID: D47064T.D

Instrument ID: D

GC Column: RTX-5MS

Quote #: NA

Site ID: Subbase Groton Site 7

ID: 0.25(mm)

SDG#: 56323

Location: CT

DFTPP Injection Date: 4/25/06

DFTPP Injection Time: 2031

		IS1 AREA	#	RT	#	IS2 AREA	#	RT	#	IS3 AREA	#	RT	#	IS4 AREA	#	RT	#	IS5 AREA	#	RT	#	IS6 AREA	#	RT	#
	12 HOUR STD	620133		5.85		2299030		8.78		1079040		13.07		1806280		16.65		1860410		23.11		1525800		27.16	
	UPPER LIMIT	1240266		6.20		4598060		9.31		2158080		13.85		3612560		17.64		3720820		24.49		3051600		28.79	
	LOWER LIMIT	310067		5.50		1149515		8.25		539520		12.28		903140		15.65		930205		21.72		762900		25.53	
	SAMPLE NO.																								
01	S6761 PT3 20/40	620133		5.85		2299030		8.78		1079040		13.07		1806280		16.65		1860410		23.11		1525800		27.16	
02	S6760 BENZIDINES + ANIL	651768		5.84		2412210		8.77		1101440		13.06		1831320		16.63		1908710		23.09		1698700		27.16	
03	ZZZZZ	679748		5.84		2448660		8.77		1128360		13.06		1918120		16.63		1941500		23.09		1688420		27.15	
04	ZZZZZ	607579		5.84		2280670		8.76		1061910		13.06		1812250		16.64		1720930		23.10		1155570		27.14	
05	B04216AS	667765		5.84		2422250		8.77		1150270		13.06		1912280		16.63		1974040		23.09		1671170		27.15	
06	ZZZZZ	647650		5.84		2422210		8.78		1153280		13.06		1946350		16.64		1889200		23.10		1554230		27.16	
07	56323-12	681356		5.84		2482460		8.77		1143780		13.06		1922540		16.63		1878040		23.09		1542460		27.15	
08	56323-12,MS	675990		5.84		2390840		8.77		1146380		13.07		1905070		16.64		1755420		23.10		1555610		27.16	
09	56323-12,MSD	655755		5.84		2402150		8.77		1146210		13.06		1899180		16.64		1789830		23.10		1628480		27.16	
10	56323-7	656799		5.84		2425740		8.76		1094860		13.06		1761600		16.63		1996840		23.10		971823		27.16	
11	56323-8	608869		5.84		2251670		8.77		1036860		13.06		1756500		16.63		1986600		23.11		978252		27.19	
12	56323-9	600406		5.84		2271600		8.77		1053510		13.06		1677060		16.63		1886910		23.11		945381		27.17	
13	56323-10	624975		5.84		2315890		8.76		1078800		13.06		1775320		16.63		1961340		23.10		982433		27.14	
14	56323-11	643874		5.84		2398090		8.77		1058030		13.06		1836870		16.63		1996250		23.10		904969		27.15	
15	ZZZZZ	579158		5.84		2153240		8.76		977012		13.06		1656080		16.63		1714430		23.11		622348	*	27.15	
16	ZZZZZ	627663		5.84		2352180		8.77		1052800		13.06		1753040		16.63		1962350		23.13		736098	*	27.16	
17	ZZZZZ	590108		5.84		2160280		8.76		988120		13.06		1647030		16.63		1721530		23.12		520849	*	27.17	
18	ZZZZZ	610387		5.83		2177430		8.76		1001650		13.05		1740320		16.63		1748480		23.13		590543	*	27.19	
19	ZZZZZ	475634		5.84		1713300		8.77		784680		13.08		1312400		16.66		1494310		23.10		466023	*	27.14	
20																									
21																									
22																									

IS1 = d4-1,4 -Dichlorobenzene
IS2 =d8- Naphthalene
IS3 = d10-Acenaphthalene
IS4 = d10- Phenanthrene
IS5 = d12-Chrysene
IS6 = d10-Perylene

AREA UPPER LIMIT = +100 of internal standard area
AREA LOWER LIMIT = -50 of internal standard area
RT UPPER LIMIT = +0.06 minutes of internal standard RT
RT LOWER LIMIT = -0.06 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

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GC/MS QA-QC Check Report

Tune File : D:\HPCHEM\1\DATA\042506-D\D47064T.D
Tune Time : 25 Apr 2006 8:31 pm

Daily Calibration File : D:\HPCHEM\1\DATA\042506-D\D47065SC.D

pm 4/26/a

4-26-06 SL

620133 2299030 1079040

1806280 1860410 1525800

File	Sample	Surrogate Recovery %				Internal Standard Responses		
D47065SC.D	S6761 PT	62	63	82	85	620133	2299031	1079040
		61*	77			1806275	1860412	1525801
D47066SC.D	S6760 BE	0*	0*	0*	0*	651768	2412205	1101437
		0*	0*			1831322	1908712	1698702
D47067B.D	B04204AW	54	40	77	82	679748	2448663	1128364
		92	86			1918115	1941498	1688421
D47068.D	56299-2,	57	43	86	79	607579	2280665	1061914
		82	28* confirms DSS			1812253	1720927	1155573
D47069B.D	B04216AS	72	81	72	82	667765	2422245	1150266
		96	81			1912276	1974039	1671170
D47070Q.D	LD04216A	71	83	71	80	647650	2422206	1153283
		95	77			1946352	1889197	1554226
D47071.D	56323-12	75	85	76	87	681356	2482460	1143783
		101	81			1922541	1878040	1542457
D47072SP.D	56323-12	71	84	75	84	675990	2390844	1146382
		100	85			1905069	1755415	1555608
D47073SP.D	56323-12	76	88	77	86	655755	2402145	1146207
		100	83			1899178	1789831	1628477
D47074.D	56323-7	64	76	67	80	656799	2425737	1094859
		92	69			1761598	1996843	971823
D47075.D	56323-8	73	83	73	86	608869	2251667	1036862
		103	72			1756501	1986598	978252
D47076.D	56323-9	71	81	70	83	600406	2271601	1053512
		102	73			1677055	1886906	945381
D47077.D	56323-10	65	74	66	79	624975	2315890	1078801
		99	70			1775323	1961343	982433
D47078.D	56323-11	69	81	69	85	643874	2398092	1058027
		103	71			1836874	1996251	904969
D47079.D	56301-1	73	84	74	51	579158	2153243	977012
		76	61			1656081	1714425	622348* 41%
D47080.D	56301-2	70	82	73	85	627663	2352179	1052801
		102	74			1753044	1962353	736098* 48%

D47081.D	56301-3	77	87	78	90	590108	2160284	988120	
		105	82			1647032	1721530	520849*	34%
D47082.D	56301-4	10*	11*	10*	11*	610387	2177426	1001652	
		13*	12*	run @ 1:5		1740319	1748480	590543*	39%
D47083.D	56276-1	84	92	85	97	475634	1713303	784680	
		111	83			1312404	1494312	466023*	31%

t - fails 12hr time check * - fails criteria

Created: Wed Apr 26 08:41:53 2006 D Instrum

Chain Of Custody Form

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 2, 10/25/04

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 5°
3) Received in good condition Y or N
4) pH checked by: NA
5) Labels checked by: 1/4.2106

Project#: Proj. Name: Subbase Groton - Site 7
Company: Tteci
Contact: Rick Woodworth
Address:
Phone: PO# Quote #
Sampler (Signature): Paul W Anderson

Matrix Key:
WW=Wastewater
SW=Surfacewater
GW=Groundwater
DW=Drinkingwater
S=Soil/Sludge
O=Oil
E=Extract
X=Other

Container Key
P=plastic G=glass

Preservation

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4°C	HNO3	H2SO4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
NSB-NLON-SITE7-CS-SL-EXS-SWS-3	4-19-06	1300	8270C PAH, VOC SW-846/8260B, % solid	X	X				X		S	3	G		56323-1
SWN-6		1305		X					X			3	G		-2
SWN-7		1310		X					X			3	G		-3
SWN-8		1315		X					X			5	G		-4
SWN-9		1320		X					X			3	G		-5
SWN-10		1325		X					X			3	G		-6
SWN-10-041906-1	4-19-06	1325		X					X			3	G		-7
NSB-NLON-SITE7-CS-SL-EXS-SWS-11	4-21-06	0715		X					X			3	G		-8
SWS-12 SWS-13		0720 0725		X					X			3 3	G G		-9 -10
SWW-14		0730		X					X			3	G		-11
SWW-15		0735		X					X			3	G		-12
Trip Blank 030806	4-21-06	1300	VOC SW-846/8260B						X			1	G		-13

Email RESULTS? YES NO
Email
Fax RESULTS? YES NO
Fax#

Comments / Instructions:
EXS - addtnl. sample name designates excavation on South side of B325.
SWN-8 has extra VOC vials for lab QC.

~~5 day TAT.~~ 1/4/21/06 per RWC TEC Need ASAP.

Turnaround Request
Standard [5] Priority [X]
Due Date Due Date 4/25/06

Page 1 of 1

Received By: [signature] Time: 1300 Date: 04/21/06 PWA Relinquished By Sampler: Paul W Anderson
Received By: [signature] Time: 1610 Date: 21 APR 06 Relinquished By: [signature]
Received By: Time: Date: Relinquished By:

Analytics\AEL Documents\AEL COC

392/393

ANALYTICS SAMPLE RECEIPT CHECKLIST

analytics environmental laboratory LLC

AEL LAB#: 36323 — COOLER NUMBER: —

CLIENT: TIEC RF — NUMBER OF COOLERS: 1

PROJECT: Subbase Option — DATE RECEIVED: 4.21.06

A: PRELIMINARY EXAMINATION: — DATE COOLER OPENED: 4.21.06

1. Cooler received by(initials) — Date Received: 4.21.06 3PM

2. Did cooler come with a shipping slip? — Y (NA)

If YES, enter carrier name and airbill number here: Hand delivered

3. Were custody seals on the outside of cooler? — Y (NA)
How many & where: _____ Seal Date: _____ Seal Name: _____

4. Did the custody seals arrive unbroken and intact upon arrival? — Y (NA)

5. COC#: _____

6. Were Custody papers filled out properly (ink,signed, etc)?	(Y)	N
7. Were custody papers sealed in a plastic bag?	(Y)	N
8. Did you sign the COC in the appropriate place?	(Y)	N
9. Was the project identifiable from the COC papers?	(Y)	N

10. Was enough ice used to chill the cooler? (Y) N — Temp. of cooler: 5°C

B. Log-In: Date samples were logged in: 4.21.06 — By: _____

11. Type of packing in cooler(bubble wrap, popcorn)	(Y)	N
12. Were all bottles sealed in separate plastic bags?	Y	(N)
13. Did all bottles arrive unbroken and were labels in good condition?	(Y)	N
14. Were all bottle labels complete(ID,Date,time,etc.)	Y	(N)
15. Did all bottle labels agree with custody papers?	(Y)	N
16. Were the correct containers used for the tests indicated:	(Y)	N
17. Were samples received at the correct pH?	Y	(NA)
18. Was sufficient amount of sample sent for the tests indicated?	(Y)	N
19. Were bubbles absent in VOA samples?	Y	(NA)

If NO, List sample #'s: _____

20. Laboratory labeling verified by (initials): D — Date: 4.21.06

analytics environmental laboratory LLC

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

June 28, 2006

Mr. Rick Woodworth
Tetra Tech EC Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

RE: Analytical Results Case Narrative
Analytics # 56346
Subbase New London Site 7
Groton, CT

Dear Mr. Woodworth;

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

Samples were analyzed for Volatile Organic Compounds (VOCs) using EPA Method 8260B and Polynuclear Aromatic Hydrocarbons (PAHs) using EPA Method 8270C and an aqueous VOC was analyzed by EPA method 624.

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

This Level IV data package has been assembled in the following order with raw data included after each of the forms:

Case Narrative/Non-Conformance Summary
Sample Log Sheet - Cover Page
Data Summary
VOC Form 1 Data Sheet for Samples and Blanks
Chromatograms and Raw Data
VOC Form 2 Surrogate Recoveries
VOC Form 3 MS/MSD (LCS) Recoveries
Chromatograms and Raw Data
VOC Form 4 Method Blank Summary (equiv.) GC/MS Logbook Sheets
VOC Form 5 BFB Tune Summaries
Chromatograms and Raw Data
VOC Form 6 Initial Calibration Data (equiv..) Response Factor Report
Chromatograms and Raw Data
VOC Form 7 Continuing Calibration Check (equiv.)
Chromatograms and Raw Data
VOC Form 8 Internal Standard Area and RT Summary

PAH Form 1 Data Sheet for Samples and Blanks
Chromatograms and Raw Data
PAH Form 2 Surrogate Recoveries
PAH Form 3 MS/MSD (LCS) Recoveries
Chromatograms and Raw Data
PAH Form 4 Method Blank Summary (equiv.) GC/MS Logbook Sheets
PAH Form 5 DFTPP Tune Summaries
Chromatograms and Raw Data
PAH Form 6 Initial Calibration Data (equiv.) Response Factor Report
Chromatograms and Raw Data
PAH Form 7 Continuing Calibration Check (equiv.)
Chromatograms and Raw Data
PAH Form 8 Internal Standard Area and RT Summary
Chain of Custody (COC) Forms and Sample Receipt Checklist

QC NON CONFORMANCE SUMMARY

Sample Receipt:
No QC deviations.

VOCs by EPA Method 8260:
The following analytes were not 'J" flagged in this report: Methylene choride, Diethyl ether, Acetone, Hexachlorobutadiene, Naphthalene, and 1,2-Dichloroethane.

No extra sample was provided for MS/MSD analysis for the solid matrix. Laboratory control samples were used to assess accuracy and precision.

The initial calibration analyzed 04/17/06 (V804176C) had %RSD greater than 15% for Bromomethane. The average RSD of all analytes was <15%. Bromomethane had acceptable recoveries in the second source calibration check standard. Results were reported without qualification.

Vinyl Chloride had recovery outside the laboratory acceptance criteria in the laboratory control sample analyzed 04/26/06 (LS04266C). The laboratory control sample was reanalyzed (LS0426C2) with similar results. Results were reported without qualification.

PAHs by EPA Method 8270:
Benzo(g,h,i)perylene had low recovery in the MS/MSD analyzed on 56346-3 (NSB-NLON-SITE7-SWN-CS-SL-09). The laboratory control samples (L04266AS-2/LD04266AS-2) were in control for all analytes. Results were reported without qualification.

Sincerely,
ANALYTICS Environmental Laboratory, LLC

Stephen L. Knollmeyer
Laboratory Director

analytics environmental laboratory LLC

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

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

Report Number: 56346

Revision: Rev. 0

Re: Subbase New London Site 7

Enclosed are the results of the analyses on your sample(s). Samples were received on 26 April 2006 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
56346-1	04/25/06	NSB-NLON-SITE7-CS-GW-01	EPA 600 Method 150.1 pH	
	04/25/06	NSB-NLON-SITE7-CS-GW-01	EPA 624 Volatile Organics	
	04/25/06	NSB-NLON-SITE7-CS-GW-01	Metals	
	04/25/06	NSB-NLON-SITE7-CS-GW-01	Metals Digestion	
	04/25/06	NSB-NLON-SITE7-CS-GW-01	Oil and Grease	
56346-2	04/25/06	NSB-NLON-SITE7-BOT-CS-SL-07	EPA 8260 Volatile Organics	
	04/25/06	NSB-NLON-SITE7-BOT-CS-SL-07	EPA 8270 (PAH only)	
56346-3	04/25/06	NSB-NLON-SITE7-SWN-CS-SL-09	EPA 8260 Volatile Organics	
	04/25/06	NSB-NLON-SITE7-SWN-CS-SL-09	EPA 8270 (PAH only)	
56346-4	04/25/06	NSB-NLON-SITE7-SWW-CS-SL-11	EPA 8260 Volatile Organics	
	04/25/06	NSB-NLON-SITE7-SWW-CS-SL-11	EPA 8270 (PAH only)	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, North Carolina, New York, Virginia, Pennsylvania and is validated by the U.S. Army Corps of Engineers (MRD) and U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 04/27/06

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Report Number: 56346

Revision: Rev. 0

Re: Subbase New London Site 7

Enclosed are the results of the analyses on your sample(s). Samples were received on 26 April 2006 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
56346-5	04/25/06	NSB-NLON-SITE7-BOT-CS-SL-08	EPA 8260 Volatile Organics	
	04/25/06	NSB-NLON-SITE7-BOT-CS-SL-08	EPA 8270 (PAH only)	
56346-6	04/25/06	NSB-NLON-SITE7-SWE-CS-SL-10	EPA 8260 Volatile Organics	
	04/25/06	NSB-NLON-SITE7-SWE-CS-SL-10	EPA 8270 (PAH only)	
56346-7	04/25/06	NSB-NLON-SITE7-SWW-CS-SL-11-042506-1	EPA 8260 Volatile Organics	
	04/25/06	NSB-NLON-SITE7-SWW-CS-SL-11-042506-1	EPA 8270 (PAH only)	
56346-8	03/08/06	Trip Blank	EPA 8260 Volatile Organics	

Sample Receipt Exceptions: None

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If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 04/29/06

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analytics environmental laboratory LLC

VOLATILE
DATA SUMMARIES

analytics environmental laboratory LLC

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800-929-9906

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

June 28, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London Site 7

Project Number:

Field Sample ID: LAB QC

SAMPLE DATA

Lab Sample ID: MB04266C
Matrix: Solid
Percent Solid: 100
Dilution Factor: 100
Collection Date: N/A
Lab Receipt Date: N/A
Analysis Date: 04/26/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	100	U	1,3-Dichloropropane	100	U
Bromobenzene	100	U	cis-1,3-Dichloropropene	100	U
Bromochloromethane	100	U	trans-1,3-Dichloropropene	100	U
Bromodichloromethane	75	U	2,2-Dichloropropane	100	U
Bromoform	75	U	1,1-Dichloropropene	100	U
Bromomethane	100	U	Ethylbenzene	100	U
n-butylbenzene	100	U	Hexachlorobutadiene	100	U
sec-butylbenzene	100	U	Isopropylbenzene	100	U
tert-butylbenzene	100	U	p-isopropyltoluene	100	U
Carbon Tetrachloride	100	U	Methylene Chloride	500	U
Chlorobenzene	100	U	Methyl-tert-butyl ether (MTBE)	100	U
Chloroethane	100	U	Naphthalene	100	U
Chloroform	75	U	n-Propylbenzene	100	U
Chloromethane	100	U	Styrene	100	U
2-Chlorotoluene	100	U	1,1,1,2-Tetrachloroethane	100	U
4-Chlorotoluene	100	U	1,1,2,2-Tetrachloroethane	75	U
Dibromochloromethane	75	U	Tetrachloroethene	100	U
1,2-Dibromo-3-chloropropane	100	U	Toluene	100	U
1,2-Dibromoethane	75	U	1,2,3-Trichlorobenzene	100	U
Dibromomethane	100	U	1,2,4-Trichlorobenzene	100	U
1,2-Dichlorobenzene	100	U	1,1,1-Trichloroethane	100	U
1,3-Dichlorobenzene	100	U	1,1,2-Trichloroethane	75	U
1,4-Dichlorobenzene	100	U	Trichloroethene	100	U
Dichlorodifluoromethane	100	U	Trichlorofluoromethane	100	U
1,1-Dichloroethane	100	U	1,2,3-Trichloropropane	100	U
1,2-Dichloroethane	75	U	1,2,4-Trimethylbenzene	100	U
1,1-Dichloroethene	75	U	1,3,5-Trimethylbenzene	100	U
cis-1,2-Dichloroethene	100	U	Vinyl Chloride	100	U
trans-1,2-Dichloroethene	100	U	o-Xylene	100	U
1,2-Dichloropropane	75	U	m,p-Xylene	100	U
Acetone	1000	U	Diethyl ether	100	U
Carbon Disulfide	100	U	2-Hexanone	1000	U
Tetrahydrofuran	500	U	Methyl isobutyl ketone	1000	U
Methyl ethyl ketone	1000	U	Di-isopropyl ether (DIPE)	100	U
t-Butyl alcohol (TBA)	2000	U	Ethyl t-butyl ether (ETBE)	100	U
t-Amyl methyl ether (TAME)	100	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	102	%	d8-Toluene	109	%	Bromofluorobenzene	113 %

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

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

COMMENTS: Results are expressed on a dry weight basis.

8260 full

Authorized signature Melissa Tull

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606C\C58567B.D
Acq On : 26 Apr 2006 11:47 am
Sample : MB04266C
Misc : 50,5.00,SOIL
Integration Params: rteint.p
Quant Time: Apr 26 12:06 2006

Vial: 4
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

4/27/06 ✓ 4

MT 4/27/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.99	168	238435	20.00	ug/L	-0.03
39) 1,4-Difluorobenzene	8.48	114	381629	20.00	ug/L	-0.02
63) *d5-Chlorobenzene	13.01	117	339953	20.00	ug/L	-0.02
87) 1,4-Dichlorobenzene-d4	16.73	152	181261	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.86	65	193206	20.39	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.95% ✓			
36) d4-1,2-Dichloroethane	7.86	65	193206	20.39	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.95% ✓			
54) d8-Toluene	10.73	98	464542	21.75	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 108.75% ✓			
73) Bromofluorobenzene	14.88	95	195323	22.61	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 113.05% ✓			

Target Compounds Qvalue

ND

(#) = qualifier out of range (m) = manual integration
C58567B.D V804176C.M Wed Apr 26 12:06:27 2006 Page 1

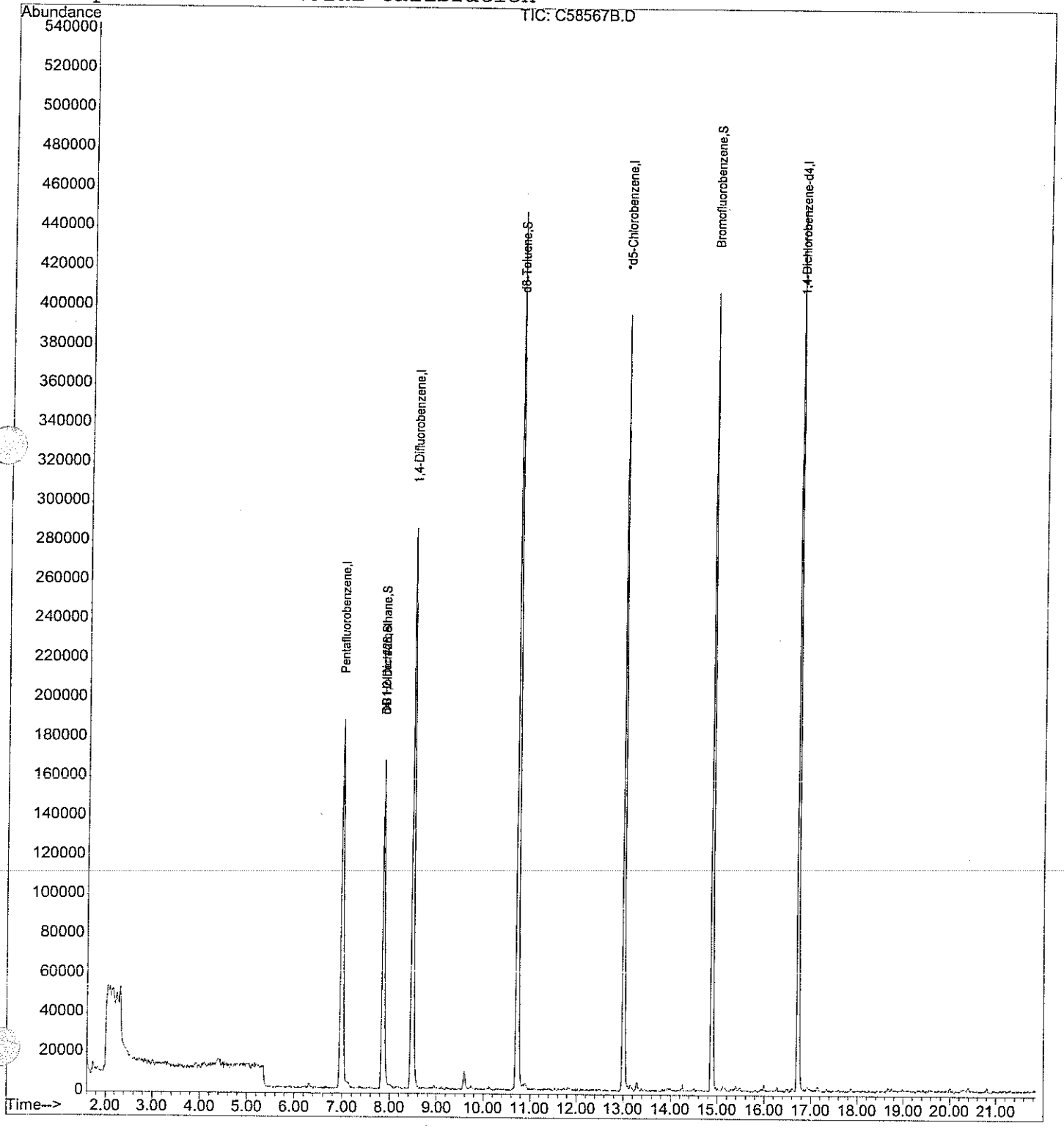
Quantitation Report

Data File : D:\HPCHEM\1\DATA\042606C\C58567B.D
Acq On : 26 Apr 2006 11:47 am
Sample : MB04266C
Misc : 50,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Apr 26 12:06 2006

Vial: 4
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration



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June 28, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London Site 7

Project Number:

Field Sample ID: LAB QC

SAMPLE DATA

Lab Sample ID: B804266C2
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1
Collection Date: N/A
Lab Receipt Date: N/A
Analysis Date: 04/26/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether (MTBE)	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	U
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	U
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	U	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether (DIPE)	2	U
t-Butyl alcohol (TBA)	20	U	Ethyl t-butyl ether (ETBE)	2	U
t-Amyl methyl ether (TAME)	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	95	%	d8-Toluene	101	%	Bromofluorobenzene	98 %

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

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

COMMENTS:

8260 full

Authorized signature

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606C\C58586B.D
Acq On : 26 Apr 2006 11:23 pm
Sample : B804266C2
Misc : 5000
ALS Integration Params: rteint.p
Quant Time: Apr 26 23:16 2006

Vial: 7
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

4/27/04 SL ✓ MT 4/27/04

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.00	168	247142	20.00	ug/L	-0.01
39) 1,4-Difluorobenzene	8.49	114	399359	20.00	ug/L	0.00
63) *d5-Chlorobenzene	13.02	117	356608 ✓	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.74	152	179647	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.87	65	186875	19.03	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 95.15% ✓			
36) d4-1,2-Dichloroethane	7.87	65	186875	19.03	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 95.15% ✓			
54) d8-Toluene	10.74	98	451051	20.18	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.90% ✓			
73) Bromofluorobenzene	14.89	95	178551	19.71	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.55% ✓			

Target Compounds Qvalue

ND

(#) = qualifier out of range (m) = manual integration
C58586B.D V804176C.M Wed Apr 26 23:16:26 2006 Page 1

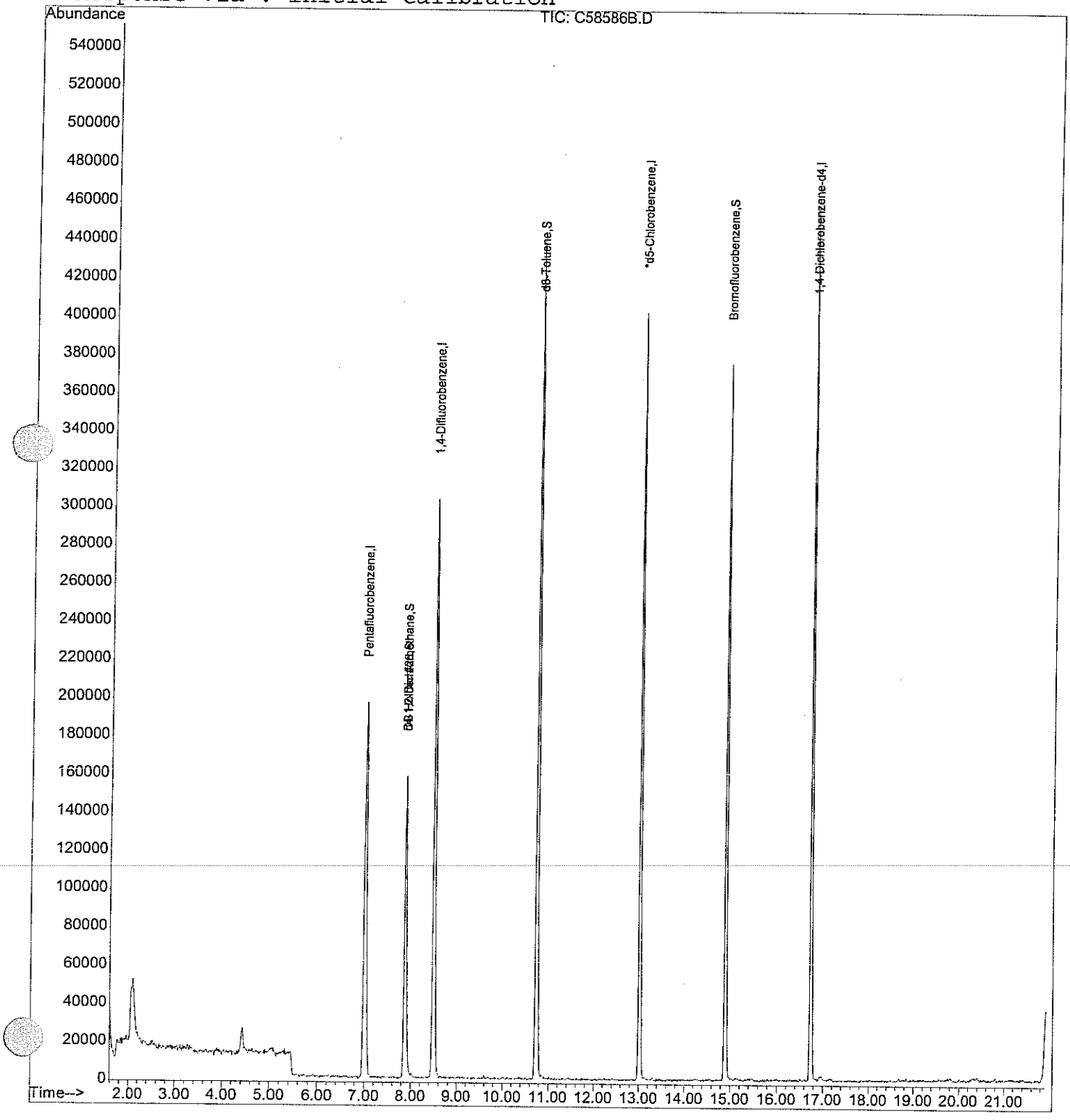
Quantitation Report

Data File : D:\HPCHEM\1\DATA\042606C\C58586B.D
Acq On : 26 Apr 2006 11:23 pm
Sample : B804266C2
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Apr 26 23:16 2006

Vial: 7
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration



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Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

April 27, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London Site 7

Project Number:

Field Sample ID: NSB-NLON-SITE7-CS-GW-01

SAMPLE DATA

Lab Sample ID: 56346-1
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1
Collection Date: 04/25/06
Lab Receipt Date: 04/26/06
Analysis Date: 04/27/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U
Bromodichloromethane	2	U
Bromoform	2	U
Bromomethane	2	U
Carbon tetrachloride	2	U
Chloroethane	2	U
Chlorobenzene	2	U
2-Chloroethylvinyl ether	15	U
Chloroform	2	U
Chloromethane	2	U
Dibromochloromethane	2	U
1,2-Dichlorobenzene	2	U
1,3-Dichlorobenzene	2	U
1,4-Dichlorobenzene	2	U
1,1-Dichloroethane	2	U
1,2-Dichloroethane	2	U
1,1-Dichloroethene	2	U
cis-1,2-Dichloroethene	2	U
trans-1,2-Dichloroethene	2	U
1,2-Dichloropropane	2	U
trans-1,3-Dichloropropene	2	U
cis-1,3-Dichloropropene	2	U
Ethylbenzene	2	U
Methylene chloride	5	U
1,1,2,2-Tetrachloroethane	2	U
Tetrachloroethene	2	U
Toluene	2	U
1,1,1-Trichloroethane	2	U
1,1,2-Trichloroethane	2	U
Trichloroethene	2	U
Trichlorofluoromethane	2	U
Vinyl chloride	2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	93 %	d8-Toluene	101 %	Bromofluorobenzene	95 %

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

METHODOLOGY: Sample was analyzed according to "40 CFR Part 136, Method 624."

COMMENTS:

EPA 624

Authorized signature

Quantitation Report (Not Reviewed)

Q

Data File : D:\HPCHEM\1\DATA\042606C\C58592.D
Acq On : 27 Apr 2006 2:36 am
Sample : 56346-1
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Apr 27 2:56 2006

Vial: 13
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/27/06
DF = 1
DL = 2

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.01	168	250080	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.49	114	395959	20.00 ug/L	0.00
63) *d5-Chlorobenzene	13.01	117	358180 ✓	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.74	152	171376	20.00 ug/L	0.00

System Monitoring Compounds

28) DB Holder #28	7.87	65	185595	18.67 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	93.35% ✓	
36) d4-1,2-Dichloroethane	7.87	65	185595	18.67 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	93.35% ✓	
54) d8-Toluene	10.74	98	447368	20.19 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	100.95% ✓	
73) Bromofluorobenzene	14.89	95	172211	18.92 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	94.60% ✓	

Target Compounds					Qvalue
~~82)~~ 1,2,4-Trimethylbenzene	16.00	105	16810	~~0.75~~ ug/L	98

✓ 4/27/06

(#) = qualifier out of range (m) = manual integration

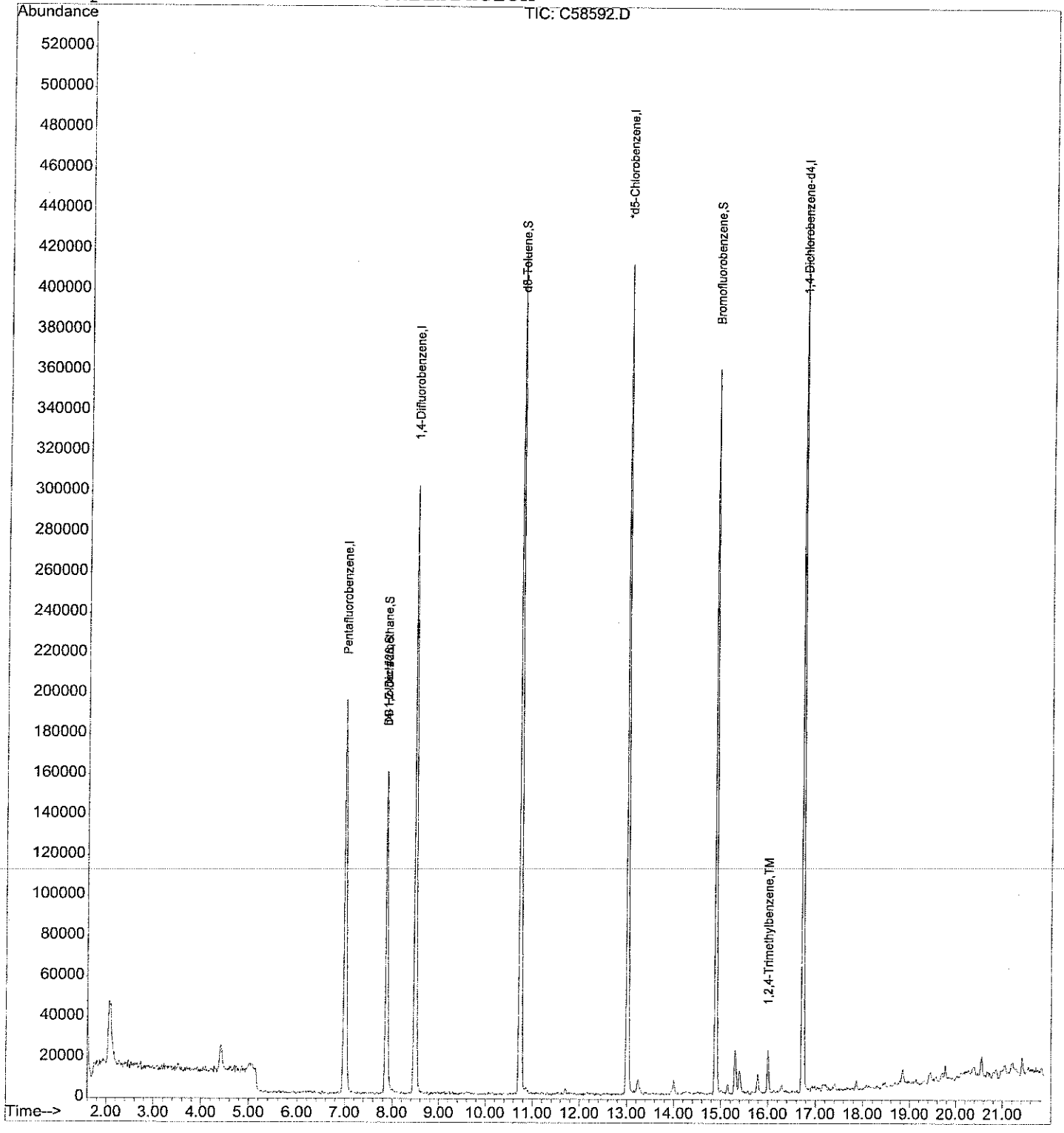
Quantitation Report

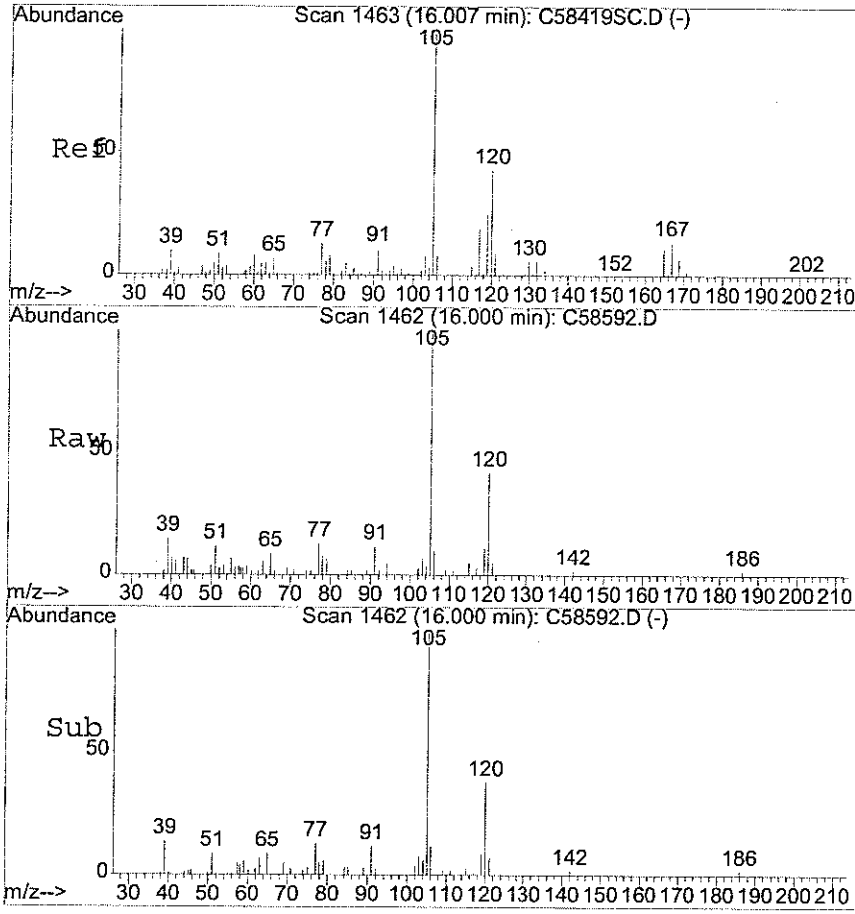
Data File : D:\HPCHEM\1\DATA\042606C\C58592.D
Acq On : 27 Apr 2006 2:36 am
Sample : 56346-1
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Apr 27 2:56 2006

Vial: 13
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration

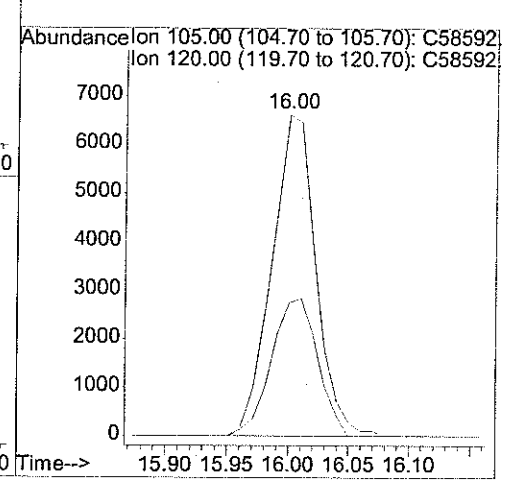




#82
1,2,4-Trimethylbenzene
Concen: 0.75 ug/L
RT: 16.00 min Scan# 1462
Delta R.T. -0.01 min
Lab File: C58592.D
Acq: 27 Apr 2006 2:36 am

Tgt Ion:105 Resp: 16810

Ion	Ratio	Lower	Upper
105	100		
120	41.5	23.0	63.0



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Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

April 27, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London Site 7

Project Number:

Field Sample ID: NSB-NLON-SITE7-BOT-CS-SL-07

SAMPLE DATA

Lab Sample ID: 56346-2
Matrix: Solid
Percent Solid: 72
Dilution Factor: 63
Collection Date: 04/25/06
Lab Receipt Date: 04/26/06
Analysis Date: 04/26/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	20	U	1,3-Dichloropropane	63	U
Bromobenzene	63	U	cis-1,3-Dichloropropene	63	U
Bromochloromethane	63	U	trans-1,3-Dichloropropene	63	U
Bromodichloromethane	47	U	2,2-Dichloropropane	63	U
Bromoform	47	U	1,1-Dichloropropene	63	U
Bromomethane	63	U	Ethylbenzene	63	U
n-butylbenzene	63	U	Hexachlorobutadiene	63	U
sec-butylbenzene	63	U	Isopropylbenzene	63	U
tert-butylbenzene	63	U	p-isopropyltoluene	63	U
Carbon Tetrachloride	63	U	Methylene Chloride	314	U
Chlorobenzene	63	U	Methyl-tert-butyl ether (MTBE)	63	U
Chloroethane	63	U	Naphthalene	63	U
Chloroform	47	U	n-Propylbenzene	63	U
Chloromethane	63	U	Styrene	63	U
2-Chlorotoluene	63	U	1,1,1,2-Tetrachloroethane	63	U
4-Chlorotoluene	63	U	1,1,2,2-Tetrachloroethane	47	U
Dibromochloromethane	47	U	Tetrachloroethene	63	U
1,2-Dibromo-3-chloropropane	63	U	Toluene	63	U
1,2-Dibromoethane	47	U	1,2,3-Trichlorobenzene	63	U
Dibromomethane	63	U	1,2,4-Trichlorobenzene	63	U
1,2-Dichlorobenzene	63	U	1,1,1-Trichloroethane	63	U
1,3-Dichlorobenzene	63	U	1,1,2-Trichloroethane	47	U
1,4-Dichlorobenzene	63	U	Trichloroethene	63	U
Dichlorodifluoromethane	63	U	Trichlorofluoromethane	63	U
1,1-Dichloroethane	63	U	1,2,3-Trichloropropane	63	U
1,2-Dichloroethane	47	U	1,2,4-Trimethylbenzene	63	U
1,1-Dichloroethene	47	U	1,3,5-Trimethylbenzene	63	U
cis-1,2-Dichloroethene	63	U	Vinyl Chloride	63	U
trans-1,2-Dichloroethene	63	U	o-Xylene	63	U
1,2-Dichloropropane	47	U	m,p-Xylene	63	U
Acetone	627	U	Diethyl ether	63	U
Carbon Disulfide	63	U	2-Hexanone	627	U
Tetrahydrofuran	314	U	Methyl isobutyl ketone	627	U
Methyl ethyl ketone	627	U	Di-isopropyl ether (DIPE)	63	U
t-Butyl alcohol (TBA)	1250	U	Ethyl t-butyl ether (ETBE)	63	U
t-Amyl methyl ether (TAME)	63	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	70 %	d8-Toluene	75 %	Bromofluorobenzene	74 %

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

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

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

8260 full

Authorized signature Melissa Tuli

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606C\C58569.D Vial: 6
Acq On : 26 Apr 2006 1:01 pm Operator:
Sample : 56346-2 Inst : Instr_C
Misc : 75,7.38,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 26 13:02 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/27/06

$DF = \frac{(5000)(5)}{(5mL)(1.38_5)(.7202)} = 62.7$

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.99	168	237161	20.00	ug/L	-0.03
39) 1,4-Difluorobenzene	8.48	114	381553	20.00	ug/L	-0.02
63) *d5-Chlorobenzene	13.00	117	353268	20.00	ug/L	-0.02
87) 1,4-Dichlorobenzene-d4	16.73	152	186508	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.86	65	131316	13.93	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	69.65%#		70 ✓
36) d4-1,2-Dichloroethane	7.86	65	131316	13.93	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	69.65%#		70 ✓
54) d8-Toluene	10.74	98	320293	15.00	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	75.00%		✓
73) Bromofluorobenzene	14.89	95	133104	14.83	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	74.15%		✓
Target Compounds						Qvalue
~~43)~~ Methyl acetate	4.24	43	3471	~~0.60~~	ug/L #	90
~~88)~~ 1,4-Dichlorobenzene	16.78	146	7534	~~0.54~~	ug/L	93

ND

154276

(#) = qualifier out of range (m) = manual integration
C58569.D V804176C.M Wed Apr 26 13:02:45 2006 Page 1

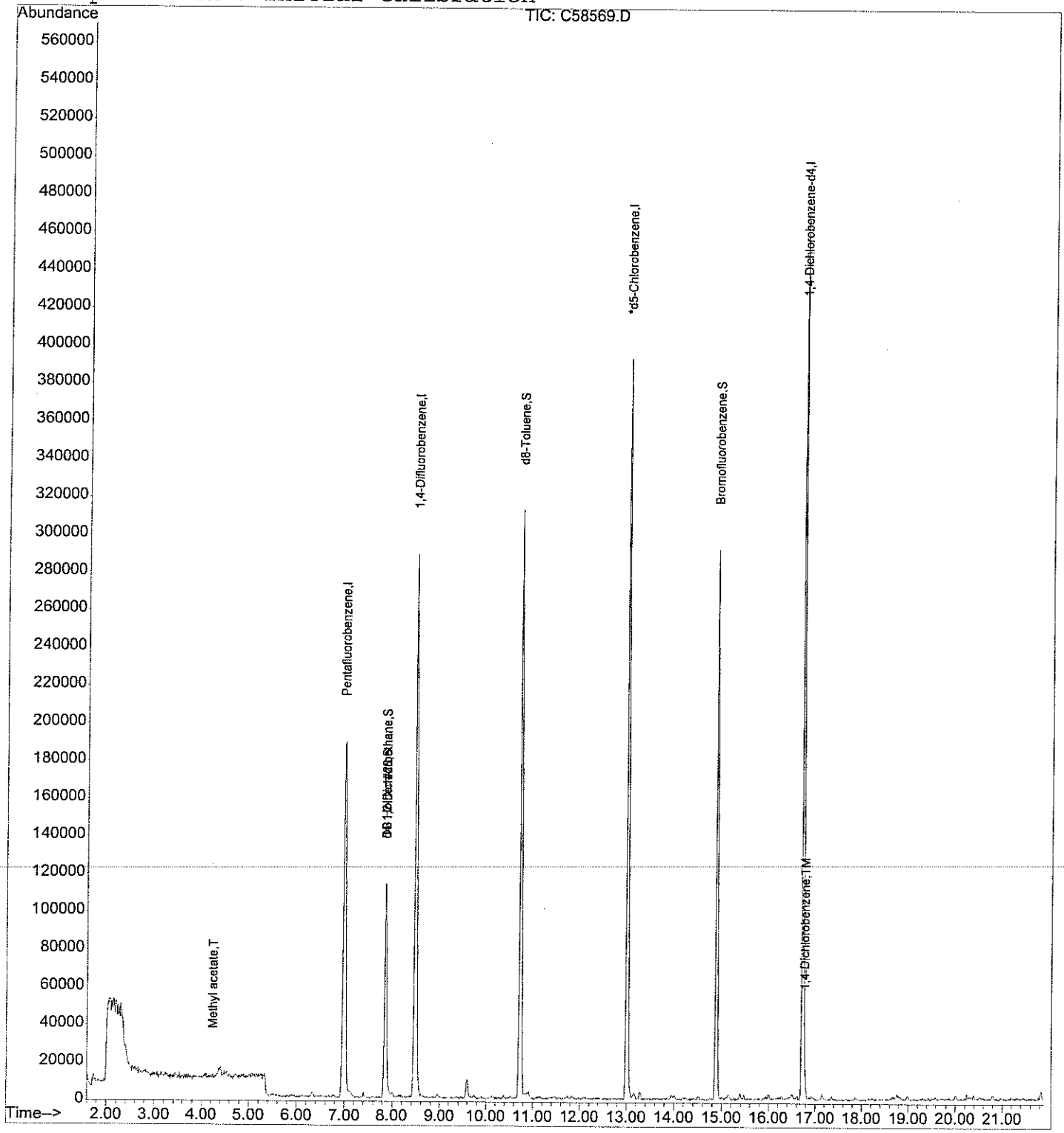
Quantitation Report

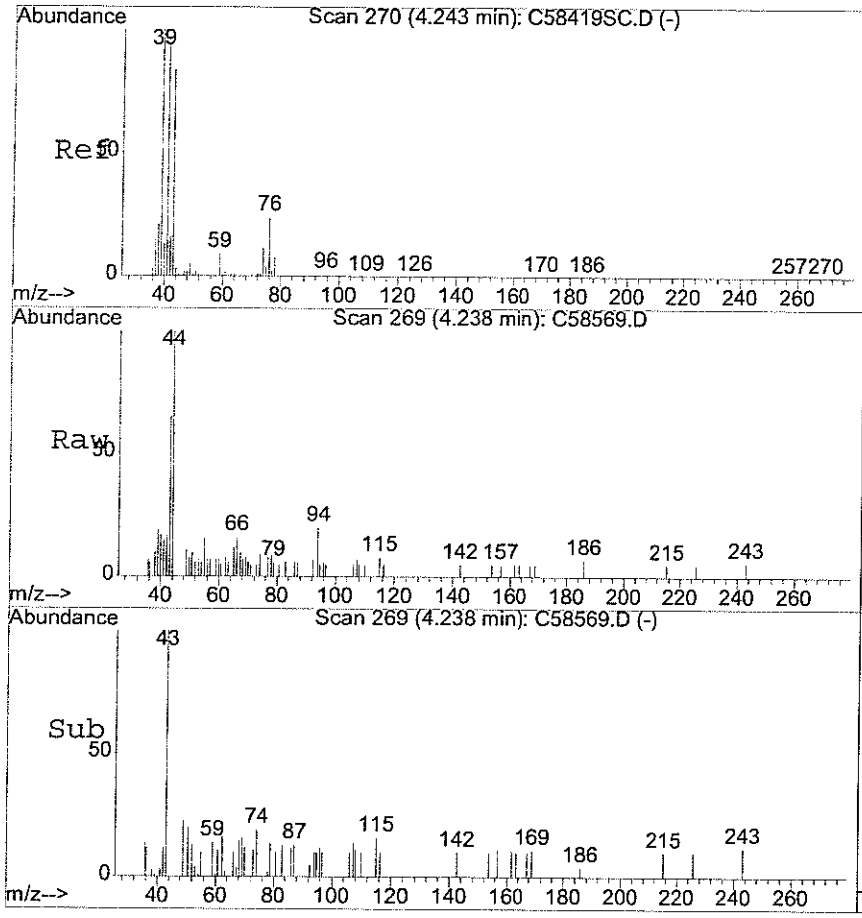
Data File : D:\HPCHEM\1\DATA\042606C\C58569.D
Acq On : 26 Apr 2006 1:01 pm
Sample : 56346-2
Misc : 75,7.38,SOIL
MS Integration Params: rteint.p
Quant Time: Apr 26 13:02 2006

Vial: 6
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration



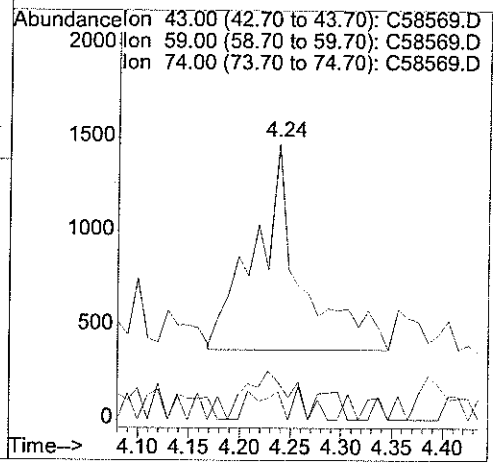


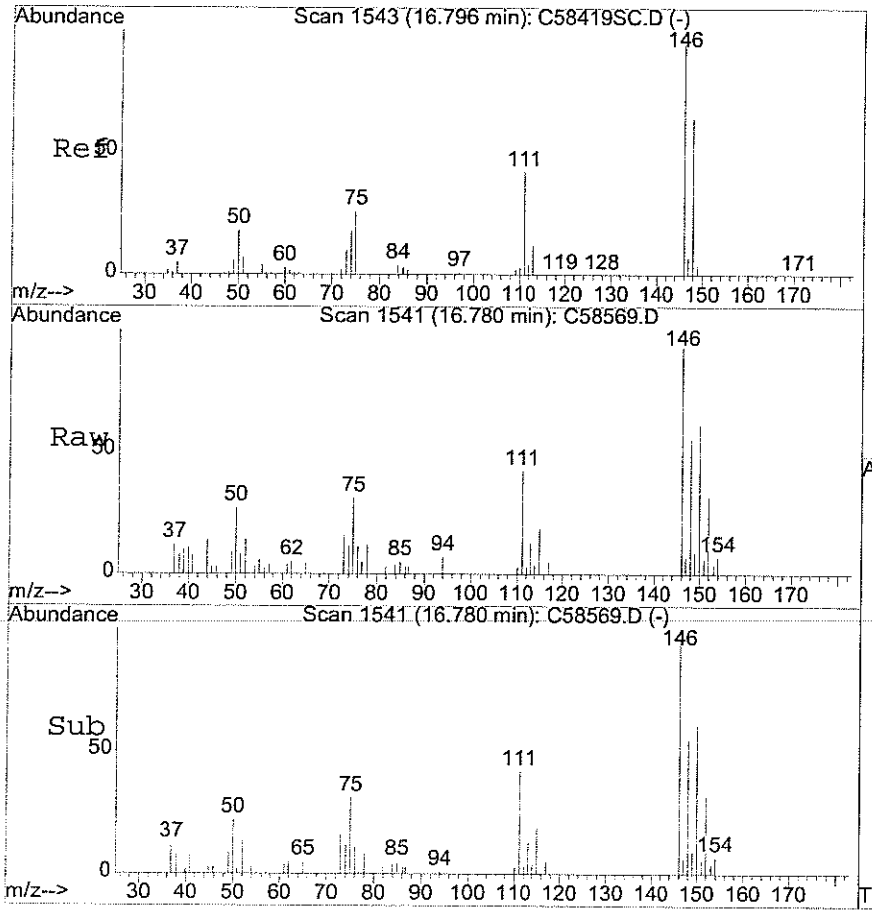
#43
Methyl acetate
Concen: 0.60 ug/L
RT: 4.24 min Scan# 269
Delta R.T. -0.01 min
Lab File: C58569.D
Acq: 26 Apr 2006 1:01 pm

Tgt Ion: 43 Resp: 3471

Ion	Ratio	Lower	Upper
43	100		
59	8.8	7.9	11.9
74	21.9	12.8	19.2#

X





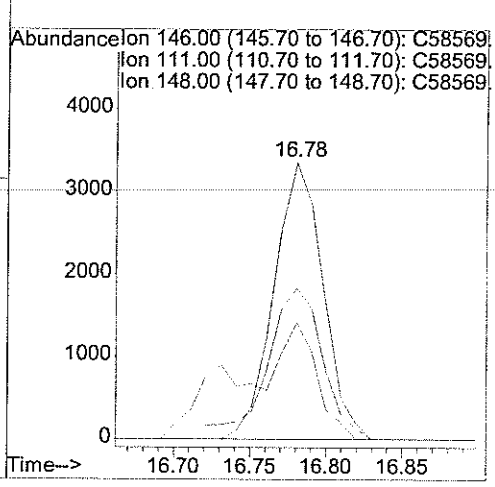
#88
1,4-Dichlorobenzene
Concen: 0.54 ug/L
RT: 16.78 min Scan# 1541
Delta R.T. -0.01 min
Lab File: C58569.D
Acq: 26 Apr 2006 1:01 pm

Tgt Ion:146 Resp: 7534

Ion	Ratio	Lower	Upper
146	100		
111	42.4	22.1	62.1
148	54.7	44.0	84.0

X

(no)



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April 27, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London Site 7

Project Number:

Field Sample ID: NSB-NLON-SITE7-SWN-CS-SL-09

SAMPLE DATA

Lab Sample ID: 56346-3
Matrix: Solid
Percent Solid: 91
Dilution Factor: 54
Collection Date: 04/25/06
Lab Receipt Date: 04/26/06
Analysis Date: 04/26/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	20	U	1,3-Dichloropropane	54	U
Bromobenzene	54	U	cis-1,3-Dichloropropene	54	U
Bromochloromethane	54	U	trans-1,3-Dichloropropene	54	U
Bromodichloromethane	41	U	2,2-Dichloropropane	54	U
Bromoform	41	U	1,1-Dichloropropene	54	U
Bromomethane	54	U	Ethylbenzene	54	U
n-butylbenzene	54	U	Hexachlorobutadiene	54	U
sec-butylbenzene	54	U	Isopropylbenzene	54	U
tert-butylbenzene	54	U	p-isopropyltoluene	54	U
Carbon Tetrachloride	54	U	Methylene Chloride	272	U
Chlorobenzene	54	U	Methyl-tert-butyl ether (MTBE)	54	U
Chloroethane	54	U	Naphthalene	54	U
Chloroform	41	U	n-Propylbenzene	54	U
Chloromethane	54	U	Styrene	54	U
2-Chlorotoluene	54	U	1,1,1,2-Tetrachloroethane	54	U
4-Chlorotoluene	54	U	1,1,2,2-Tetrachloroethane	41	U
Dibromochloromethane	41	U	Tetrachloroethene	54	U
1,2-Dibromo-3-chloropropane	54	U	Toluene	54	U
1,2-Dibromoethane	41	U	1,2,3-Trichlorobenzene	54	U
Dibromomethane	54	U	1,2,4-Trichlorobenzene	54	U
1,2-Dichlorobenzene	54	U	1,1,1-Trichloroethane	54	U
1,3-Dichlorobenzene	54	U	1,1,2-Trichloroethane	41	U
1,4-Dichlorobenzene	54	U	Trichloroethene	54	U
Dichlorodifluoromethane	54	U	Trichlorofluoromethane	54	U
1,1-Dichloroethane	54	U	1,2,3-Trichloropropane	54	U
1,2-Dichloroethane	41	U	1,2,4-Trimethylbenzene	54	U
1,1-Dichloroethene	41	U	1,3,5-Trimethylbenzene	54	U
cis-1,2-Dichloroethene	54	U	Vinyl Chloride	54	U
trans-1,2-Dichloroethene	54	U	o-Xylene	54	U
1,2-Dichloropropane	41	U	m,p-Xylene	54	U
Acetone	544	U	Diethyl ether	54	U
Carbon Disulfide	54	U	2-Hexanone	544	U
Tetrahydrofuran	272	U	Methyl isobutyl ketone	544	U
Methyl ethyl ketone	544	U	Di-isopropyl ether (DIPE)	54	U
t-Butyl alcohol (TBA)	1090	U	Ethyl t-butyl ether (ETBE)	54	U
t-Amyl methyl ether (TAME)	54	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	88 %	d8-Toluene	93 %	Bromofluorobenzene	95 %

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

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

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

8260 full

Authorized signature

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606C\C58570.D Vial: 7
Acq On : 26 Apr 2006 1:19 pm Operator:
Sample : 56346-3 Inst : Instr_C
Misc : 75,6.71,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 26 13:31 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/27/06

DF = (5000)(5) / (75mL)(6.715)(.9135) = 54.4

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.00	168	241517	20.00	ug/L	-0.02
39) 1,4-Difluorobenzene	8.47	114	394986	20.00	ug/L	-0.02
63) *d5-Chlorobenzene	13.01	117	354618	20.00	ug/L	-0.01
87) 1,4-Dichlorobenzene-d4	16.73	152	193064	20.00	ug/L	-0.01
System Monitoring Compounds						
28) DB Holder #28	7.86	65	168290	17.53	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 87.65%			
36) d4-1,2-Dichloroethane	7.86	65	168290	17.53	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 87.65%			
54) d8-Toluene	10.73	98	410646	18.58	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 92.90%			
73) Bromofluorobenzene	14.88	95	171248	19.01	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 95.05%			

Target Compounds Qvalue

ND

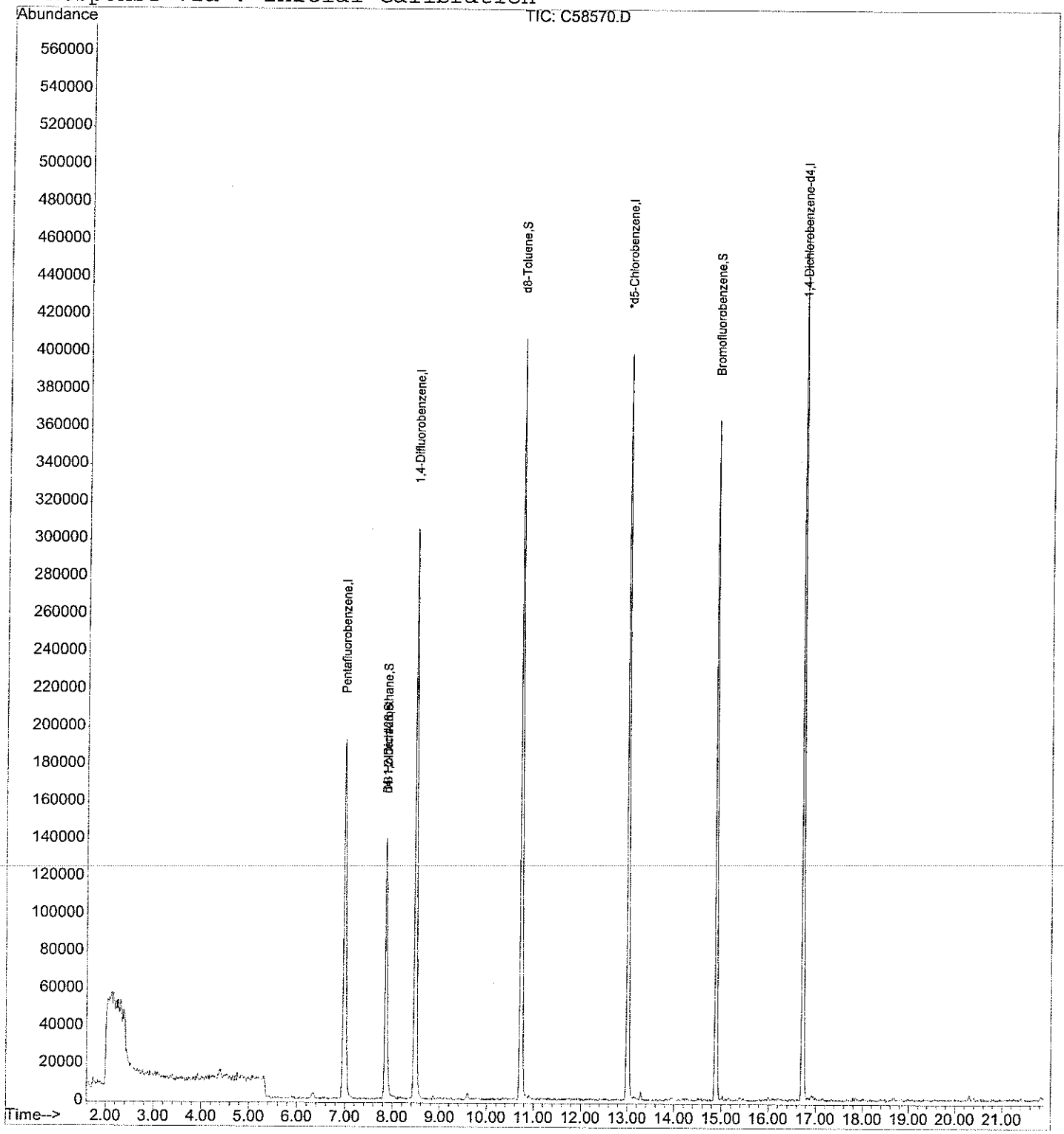
D4-27-06

(#) = qualifier out of range (m) = manual integration
C58570.D V804176C.M Wed Apr 26 13:31:31 2006 Page 1

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042606C\C58570.D Vial: 7
Acq On : 26 Apr 2006 1:19 pm Operator:
Sample : 56346-3 Inst : Instr_C
Misc : 75,6.71,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 26 13:31 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration



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April 27, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London Site 7

Project Number:

Field Sample ID: NSB-NLON-SITE7-SWW-CS-SL-11

SAMPLE DATA

Lab Sample ID: 56346-4
Matrix: Solid
Percent Solid: 91
Dilution Factor: 57
Collection Date: 04/25/06
Lab Receipt Date: 04/26/06
Analysis Date: 04/26/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	20	U	1,3-Dichloropropane	57	U
Bromobenzene	57	U	cis-1,3-Dichloropropene	57	U
Bromochloromethane	57	U	trans-1,3-Dichloropropene	57	U
Bromodichloromethane	43	U	2,2-Dichloropropane	57	U
Bromoform	43	U	1,1-Dichloropropene	57	U
Bromomethane	57	U	Ethylbenzene	57	U
n-butylbenzene	57	U	Hexachlorobutadiene	57	U
sec-butylbenzene	57	U	Isopropylbenzene	57	U
tert-butylbenzene	57	U	p-isopropyltoluene	57	U
Carbon Tetrachloride	57	U	Methylene Chloride	284	U
Chlorobenzene	57	U	Methyl-tert-butyl ether (MTBE)	57	U
Chloroethane	57	U	Naphthalene	57	U
Chloroform	43	U	n-Propylbenzene	57	U
Chloromethane	57	U	Styrene	57	U
2-Chlorotoluene	57	U	1,1,1,2-Tetrachloroethane	57	U
4-Chlorotoluene	57	U	1,1,2,2-Tetrachloroethane	43	U
Dibromochloromethane	43	U	Tetrachloroethene	57	U
1,2-Dibromo-3-chloropropane	57	U	Toluene	57	U
1,2-Dibromoethane	43	U	1,2,3-Trichlorobenzene	57	U
Dibromomethane	57	U	1,2,4-Trichlorobenzene	57	U
1,2-Dichlorobenzene	57	U	1,1,1-Trichloroethane	57	U
1,3-Dichlorobenzene	57	U	1,1,2-Trichloroethane	43	U
1,4-Dichlorobenzene	57	U	Trichloroethene	57	U
Dichlorodifluoromethane	57	U	Trichlorofluoromethane	57	U
1,1-Dichloroethane	57	U	1,2,3-Trichloropropane	57	U
1,2-Dichloroethane	43	U	1,2,4-Trimethylbenzene	57	U
1,1-Dichloroethene	43	U	1,3,5-Trimethylbenzene	57	U
cis-1,2-Dichloroethene	57	U	Vinyl Chloride	57	U
trans-1,2-Dichloroethene	57	U	o-Xylene	57	U
1,2-Dichloropropane	43	U	m,p-Xylene	57	U
Acetone	568	U	Diethyl ether	57	U
Carbon Disulfide	57	U	2-Hexanone	568	U
Tetrahydrofuran	284	U	Methyl isobutyl ketone	568	U
Methyl ethyl ketone	568	U	Di-isopropyl ether (DIPE)	57	U
t-Butyl alcohol (TBA)	1140	U	Ethyl t-butyl ether (ETBE)	57	U
t-Amyl methyl ether (TAME)	57	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	84	%	d8-Toluene	89	%	Bromofluorobenzene	90 %

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

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

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

8260 full

Authorized signature

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606C\C58571.D Vial: 8
Acq On : 26 Apr 2006 1:53 pm Operator:
Sample : 56346-4 Inst : Instr_C
Misc : 75,6.47,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 26 14:00 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/27/06

DF = (5000)(5) / (75.2)(6.47)(.908) = 56.8

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.99	168	245344	20.00	ug/L	-0.03
39) 1,4-Difluorobenzene	8.48	114	399848 ✓	20.00	ug/L	-0.02
63) *d5-Chlorobenzene	13.02	117	363296 ✓	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.73	152	190683	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.86	65	164432	16.86	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 84.30% ✓			
36) d4-1,2-Dichloroethane	7.86	65	164432	16.86	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 84.30% ✓			
54) d8-Toluene	10.74	98	397896	17.78	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 88.90% ✓			
73) Bromofluorobenzene	14.89	95	165874	17.97	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 89.85% ✓			

Target Compounds Qvalue

ND

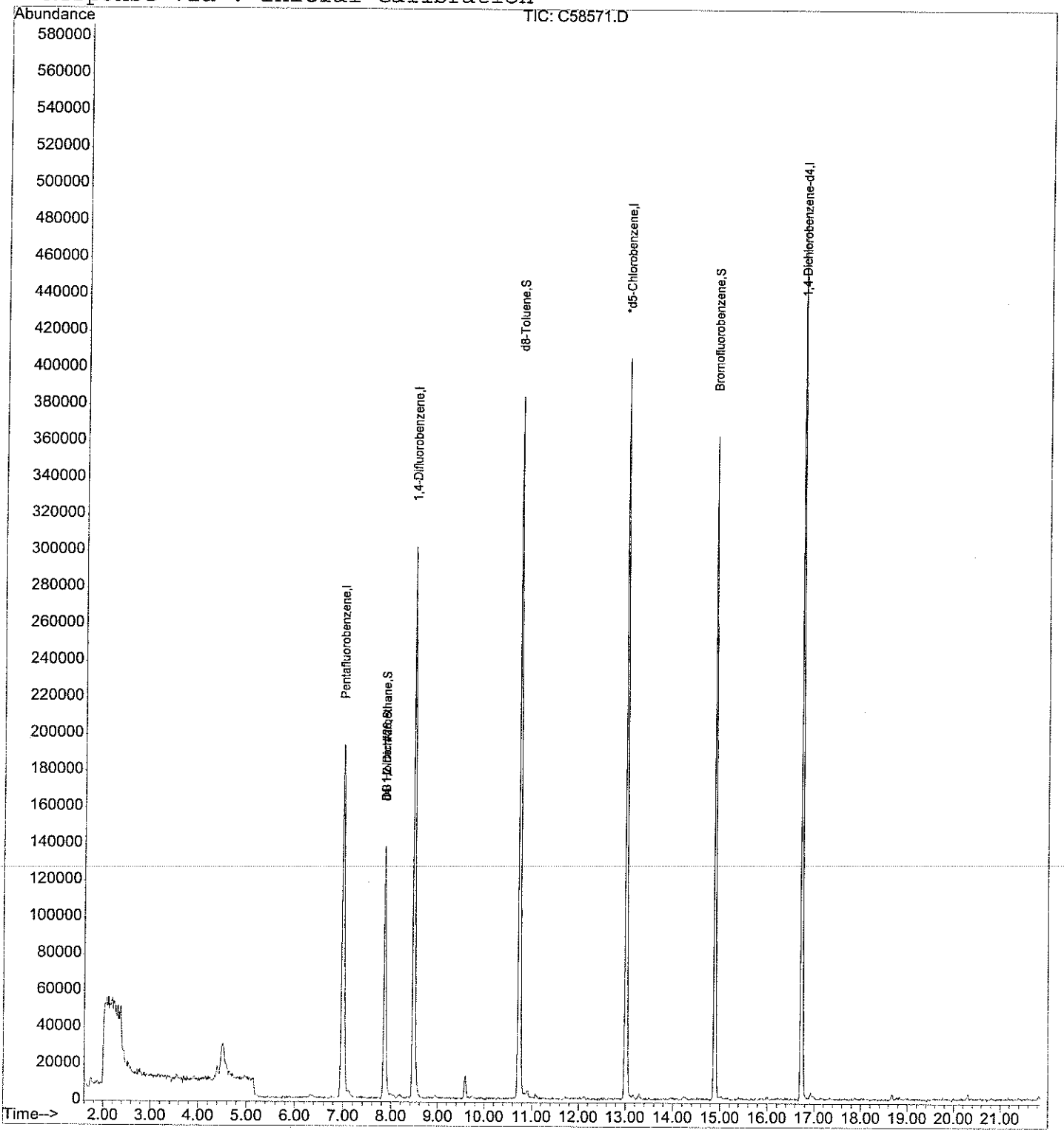
154270

(#) = qualifier out of range (m) = manual integration
C58571.D V804176C.M Wed Apr 26 14:00:26 2006 Page 1

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042606C\C58571.D Vial: 8
Acq On : 26 Apr 2006 1:53 pm Operator:
Sample : 56346-4 Inst : Instr_C
Misc : 75,6.47,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 26 14:00 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration



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April 27, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London Site 7

Project Number:

Field Sample ID: NSB-NLON-SITE7-BOT-CS-SL-08

SAMPLE DATA

Lab Sample ID: 56346-5
Matrix: Solid
Percent Solid: 78
Dilution Factor: 61
Collection Date: 04/25/06
Lab Receipt Date: 04/26/06
Analysis Date: 04/26/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	20	U	1,3-Dichloropropane	61	U
Bromobenzene	61	U	cis-1,3-Dichloropropene	61	U
Bromochloromethane	61	U	trans-1,3-Dichloropropene	61	U
Bromodichloromethane	46	U	2,2-Dichloropropane	61	U
Bromoform	46	U	1,1-Dichloropropene	61	U
Bromomethane	61	U	Ethylbenzene	61	U
n-butylbenzene	61	U	Hexachlorobutadiene	61	U
sec-butylbenzene	61	U	Isopropylbenzene	61	U
tert-butylbenzene	61	U	p-isopropyltoluene	61	U
Carbon Tetrachloride	61	U	Methylene Chloride	304	U
Chlorobenzene	61	U	Methyl-tert-butyl ether (MTBE)	61	U
Chloroethane	61	U	Naphthalene	61	U
Chloroform	46	U	n-Propylbenzene	61	U
Chloromethane	61	U	Styrene	61	U
2-Chlorotoluene	61	U	1,1,1,2-Tetrachloroethane	61	U
4-Chlorotoluene	61	U	1,1,2,2-Tetrachloroethane	46	U
Dibromochloromethane	46	U	Tetrachloroethene	61	U
1,2-Dibromo-3-chloropropane	61	U	Toluene	61	U
1,2-Dibromoethane	46	U	1,2,3-Trichlorobenzene	61	U
Dibromomethane	61	U	1,2,4-Trichlorobenzene	61	U
1,2-Dichlorobenzene	61	U	1,1,1-Trichloroethane	61	U
1,3-Dichlorobenzene	61	U	1,1,2-Trichloroethane	46	U
1,4-Dichlorobenzene	61	U	Trichloroethene	61	U
Dichlorodifluoromethane	61	U	Trichlorofluoromethane	61	U
1,1-Dichloroethane	61	U	1,2,3-Trichloropropane	61	U
1,2-Dichloroethane	46	U	1,2,4-Trimethylbenzene	61	U
1,1-Dichloroethene	46	U	1,3,5-Trimethylbenzene	61	U
cis-1,2-Dichloroethene	61	U	Vinyl Chloride	61	U
trans-1,2-Dichloroethene	61	U	o-Xylene	61	U
1,2-Dichloropropane	46	U	m,p-Xylene	61	U
Acetone	608	U	Diethyl ether	61	U
Carbon Disulfide	61	U	2-Hexanone	608	U
Tetrahydrofuran	304	U	Methyl isobutyl ketone	608	U
Methyl ethyl ketone	608	U	Di-isopropyl ether (DIPE)	61	U
t-Butyl alcohol (TBA)	1220	U	Ethyl t-butyl ether (ETBE)	61	U
t-Amyl methyl ether (TAME)	61	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	77	%	d8-Toluene	83	%	Bromofluorobenzene	82 %

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

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

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

8260 full

Authorized signature

Quantitation Report (Not Reviewed)

Q

Data File : D:\HPCHEM\1\DATA\042606C\C58572.D Vial: 9
Acq On : 26 Apr 2006 2:31 pm Operator:
Sample : 56346-5 Inst : Instr_C
Misc : 75,7.03,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 26 14:29 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/27/06

$DF = \frac{(5000)(5)}{(5)(7.03)(.7804)} = 60.8$

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.99	168	246982	20.00	ug/L	-0.03
39) 1,4-Difluorobenzene	8.48	114	404119	20.00	ug/L	-0.02
63) *d5-Chlorobenzene	13.01	117	369741 ✓	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.73	152	191075	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.86	65	151161	15.40	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 77.00% ✓			
36) d4-1,2-Dichloroethane	7.86	65	151161	15.40	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 77.00% ✓			
54) d8-Toluene	10.74	98	373329	16.51	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 82.55% ✓			
73) Bromofluorobenzene	14.89	95	154861	16.48	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 82.40% ✓			
Target Compounds						Qvalue
~~43~~) Methyl acetate	4.24	43	5254	~~0.86~~	ug/L #	92

ND

4/27/06

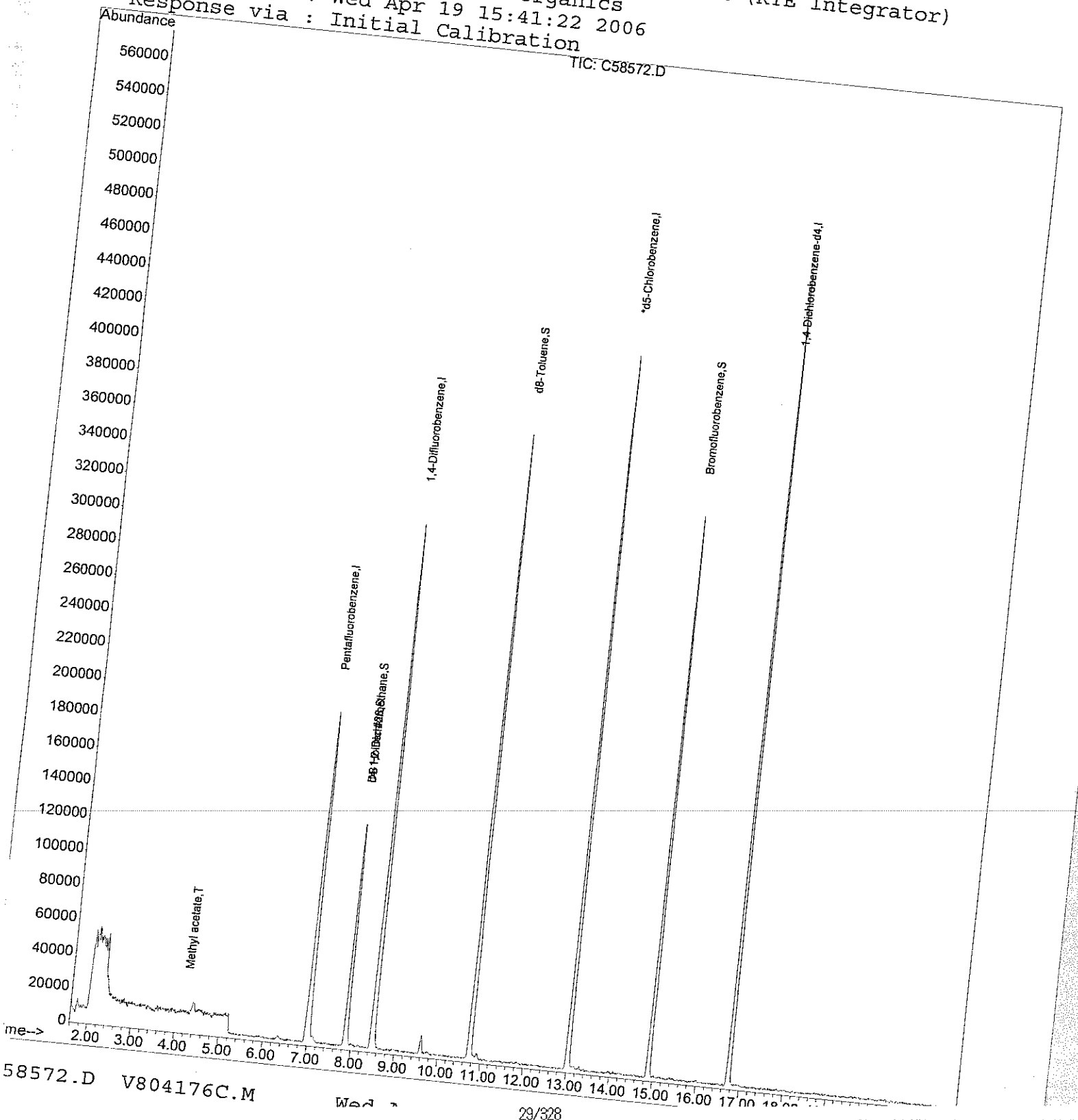
Quantitation Report

Data File : D:\HPCHEM\1\DATA\042606C\C58572.D
Acq On : 26 Apr 2006 2:31 pm
Sample : 56346-5
Misc : 75,7.03,SOIL
MS Integration Params: rteint.p
Quant Time: Apr 26 14:29 2006

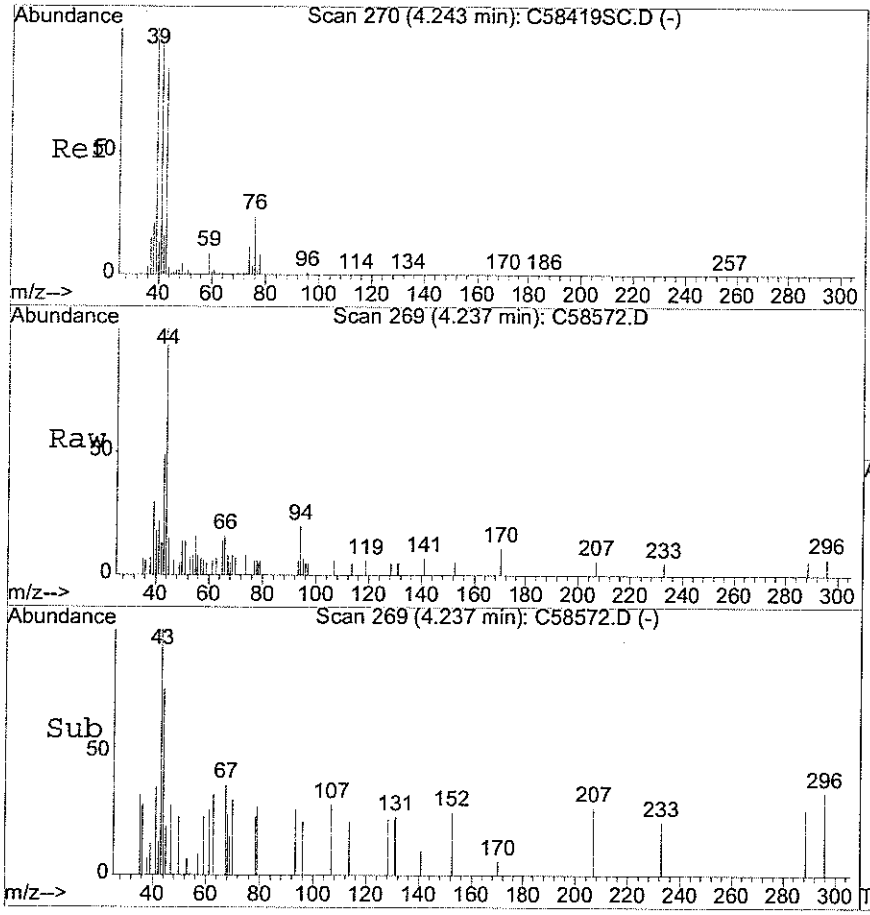
Vial: 9
Operator:
Inst : Instr_C
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration

Quant Results File: V804176C.



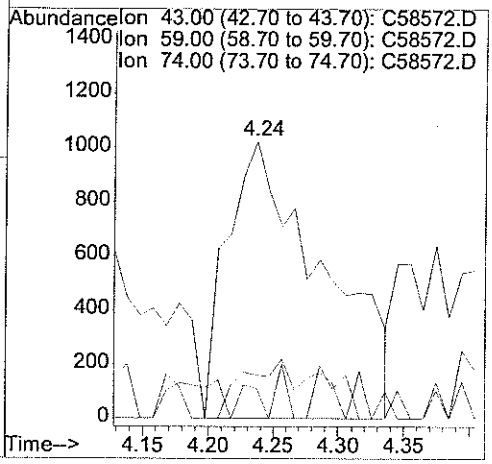
58572.D V804176C.M Wed



#43
Methyl acetate
Concen: 0.86 ug/L
RT: 4.24 min Scan# 269
Delta R.T. -0.01 min
Lab File: C58572.D
Acq: 26 Apr 2006 2:31 pm

Tgt Ion: 43 Resp: 5254

Ion	Ratio	Lower	Upper
43	100		
59	2.6	7.9	11.9#
74	15.6	12.8	19.2



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Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

April 27, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London Site 7

Project Number:

Field Sample ID: NSB-NLON-SITE7-SWE-CS-SL-10

SAMPLE DATA

Lab Sample ID: 56346-6
Matrix: Solid
Percent Solid: 91
Dilution Factor: 62
Collection Date: 04/25/06
Lab Receipt Date: 04/26/06
Analysis Date: 04/26/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	20	U	1,3-Dichloropropane	62	U
Bromobenzene	62	U	cis-1,3-Dichloropropene	62	U
Bromochloromethane	62	U	trans-1,3-Dichloropropene	62	U
Bromodichloromethane	46	U	2,2-Dichloropropane	62	U
Bromoform	46	U	1,1-Dichloropropene	62	U
Bromomethane	62	U	Ethylbenzene	62	U
n-butylbenzene	62	U	Hexachlorobutadiene	62	U
sec-butylbenzene	62	U	Isopropylbenzene	62	U
tert-butylbenzene	62	U	p-isopropyltoluene	62	U
Carbon Tetrachloride	62	U	Methylene Chloride	309	U
Chlorobenzene	62	U	Methyl-tert-butyl ether (MTBE)	62	U
Chloroethane	62	U	Naphthalene	62	U
Chloroform	46	U	n-Propylbenzene	62	U
Chloromethane	62	U	Styrene	62	U
2-Chlorotoluene	62	U	1,1,1,2-Tetrachloroethane	62	U
4-Chlorotoluene	62	U	1,1,2,2-Tetrachloroethane	46	U
Dibromochloromethane	46	U	Tetrachloroethene	62	U
1,2-Dibromo-3-chloropropane	62	U	Toluene	62	U
1,2-Dibromoethane	46	U	1,2,3-Trichlorobenzene	62	U
Dibromomethane	62	U	1,2,4-Trichlorobenzene	62	U
1,2-Dichlorobenzene	62	U	1,1,1-Trichloroethane	62	U
1,3-Dichlorobenzene	62	U	1,1,2-Trichloroethane	46	U
1,4-Dichlorobenzene	62	U	Trichloroethene	62	U
Dichlorodifluoromethane	62	U	Trichlorofluoromethane	62	U
1,1-Dichloroethane	62	U	1,2,3-Trichloropropane	62	U
1,2-Dichloroethane	46	U	1,2,4-Trimethylbenzene	62	U
1,1-Dichloroethene	46	U	1,3,5-Trimethylbenzene	62	U
cis-1,2-Dichloroethene	62	U	Vinyl Chloride	62	U
trans-1,2-Dichloroethene	62	U	o-Xylene	62	U
1,2-Dichloropropane	46	U	m,p-Xylene	62	U
Acetone	619	U	Diethyl ether	62	U
Carbon Disulfide	62	U	2-Hexanone	619	U
Tetrahydrofuran	309	U	Methyl isobutyl ketone	619	U
Methyl ethyl ketone	619	U	Di-isopropyl ether (DIPE)	62	U
t-Butyl alcohol (TBA)	1240	U	Ethyl t-butyl ether (ETBE)	62	U
t-Amyl methyl ether (TAME)	62	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	85 %	d8-Toluene	90 %	Bromofluorobenzene	93 %

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

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

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

8260 full

Authorized signature

Quantitation Report (Not Reviewed)

Q

Data File : D:\HPCHEM\1\DATA\042606C\C58573.D Vial: 10
Acq On : 26 Apr 2006 3:07 pm Operator:
Sample : 56346-6 Inst : Instr_C
Misc : 75,5.90,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 26 14:58 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/27/06

$DF = \frac{(5000)(5)}{(75.2)(5.90)(.9134)} = 61.9$

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.99	168	242559	20.00	ug/L	-0.02
39) 1,4-Difluorobenzene	8.48	114	392371 ✓	20.00	ug/L	-0.01
63) *d5-Chlorobenzene	13.01	117	346775 ✓	20.00	ug/L	-0.01
87) 1,4-Dichlorobenzene-d4	16.74	152	192424	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.86	65	163065	16.92	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 84.60% ✓			
36) d4-1,2-Dichloroethane	7.86	65	163065	16.92	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 84.60% ✓			
54) d8-Toluene	10.74	98	394809	17.98	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 89.90% ✓			
73) Bromofluorobenzene	14.89	95	163290	18.53	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 92.65% ✓			

Target Compounds Qvalue

ND

VOA270

(#) = qualifier out of range (m) = manual integration
C58573.D V804176C.M Wed Apr 26 14:58:13 2006 Page 1

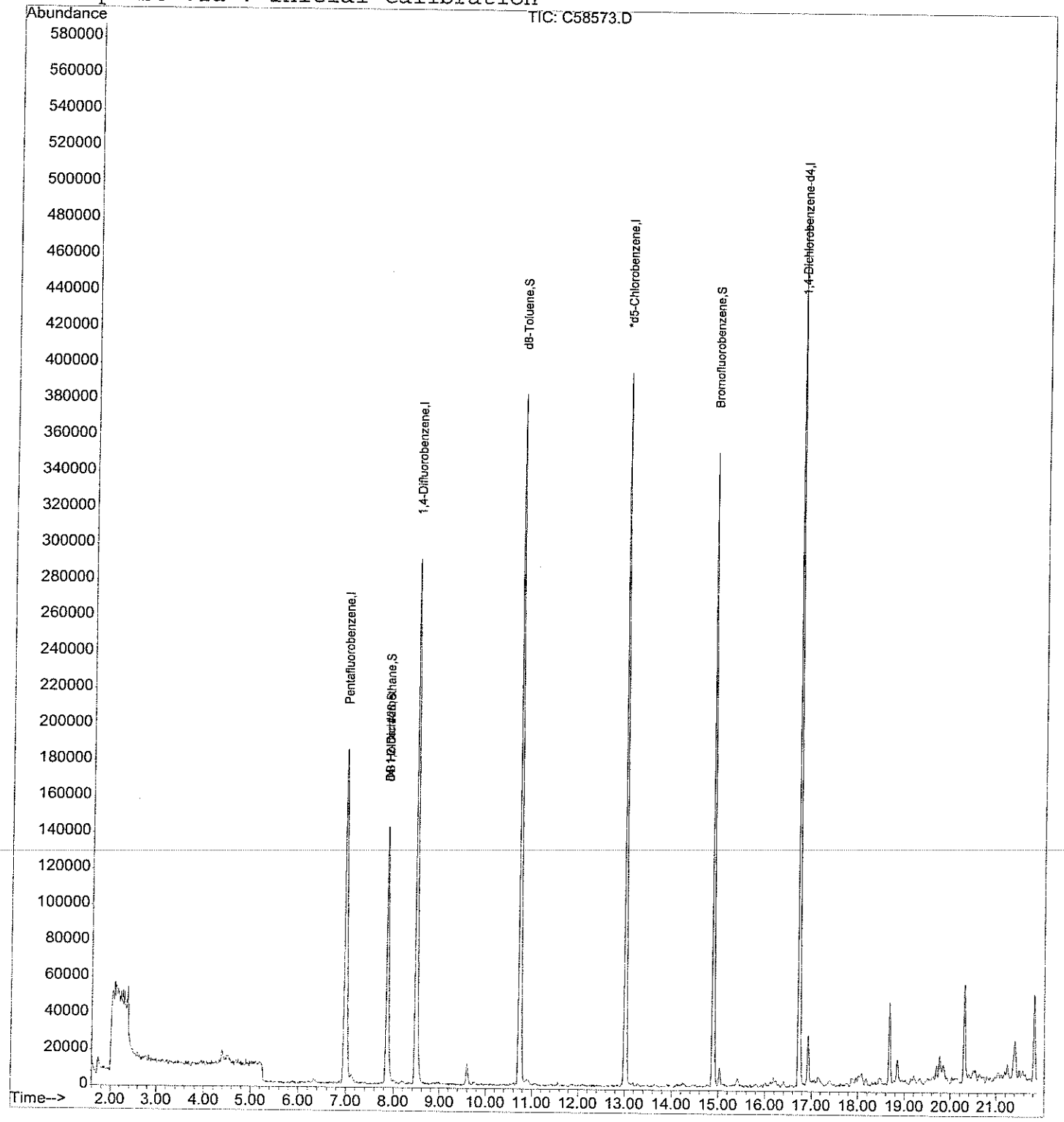
Quantitation Report

Data File : D:\HPCHEM\1\DATA\042606C\C58573.D
Acq On : 26 Apr 2006 3:07 pm
Sample : 56346-6
Misc : 75,5.90,SOIL
MS Integration Params: rteint.p
Quant Time: Apr 26 14:58 2006

Vial: 10
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration



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820 Town Center Drive, Suite 100
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April 27, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London Site 7

Project Number:

Field Sample ID: NSB-NLON-SITE7-SWW-CS-SL-11-042506-1

SAMPLE DATA

Lab Sample ID: 56346-7
Matrix: Solid
Percent Solid: 90
Dilution Factor: 61
Collection Date: 04/25/06
Lab Receipt Date: 04/26/06
Analysis Date: 04/26/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	20	U	1,3-Dichloropropane	61	U
Bromobenzene	61	U	cis-1,3-Dichloropropene	61	U
Bromochloromethane	61	U	trans-1,3-Dichloropropene	61	U
Bromodichloromethane	46	U	2,2-Dichloropropane	61	U
Bromoform	46	U	1,1-Dichloropropene	61	U
Bromomethane	61	U	Ethylbenzene	61	U
n-butylbenzene	61	U	Hexachlorobutadiene	61	U
sec-butylbenzene	61	U	Isopropylbenzene	61	U
tert-butylbenzene	61	U	p-isopropyltoluene	61	U
Carbon Tetrachloride	61	U	Methylene Chloride	306	U
Chlorobenzene	61	U	Methyl-tert-butyl ether (MTBE)	61	U
Chloroethane	61	U	Naphthalene	61	U
Chloroform	46	U	n-Propylbenzene	61	U
Chloromethane	61	U	Styrene	61	U
2-Chlorotoluene	61	U	1,1,1,2-Tetrachloroethane	61	U
4-Chlorotoluene	61	U	1,1,2,2-Tetrachloroethane	46	U
Dibromochloromethane	46	U	Tetrachloroethene	61	U
1,2-Dibromo-3-chloropropane	61	U	Toluene	61	U
1,2-Dibromoethane	46	U	1,2,3-Trichlorobenzene	61	U
Dibromomethane	61	U	1,2,4-Trichlorobenzene	61	U
1,2-Dichlorobenzene	61	U	1,1,1-Trichloroethane	61	U
1,3-Dichlorobenzene	61	U	1,1,2-Trichloroethane	46	U
1,4-Dichlorobenzene	61	U	Trichloroethene	61	U
Dichlorodifluoromethane	61	U	Trichlorofluoromethane	61	U
1,1-Dichloroethane	61	U	1,2,3-Trichloropropane	61	U
1,2-Dichloroethane	46	U	1,2,4-Trimethylbenzene	61	U
1,1-Dichloroethene	46	U	1,3,5-Trimethylbenzene	61	U
cis-1,2-Dichloroethene	61	U	Vinyl Chloride	61	U
trans-1,2-Dichloroethene	61	U	o-Xylene	61	U
1,2-Dichloropropane	46	U	m,p-Xylene	61	U
Acetone	612	U	Diethyl ether	61	U
Carbon Disulfide	61	U	2-Hexanone	612	U
Tetrahydrofuran	306	U	Methyl isobutyl ketone	612	U
Methyl ethyl ketone	612	U	Di-isopropyl ether (DIPE)	61	U
t-Butyl alcohol (TBA)	1220	U	Ethyl t-butyl ether (ETBE)	61	U
t-Amyl methyl ether (TAME)	61	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	84 %	d8-Toluene	86 %	Bromofluorobenzene	86 %

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

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

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

8260 full

Authorized signature

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606C\C58574.D
Acq On : 26 Apr 2006 3:07 pm
Sample : 56346-7
Misc : 75,6.02,SOIL
MS Integration Params: rteint.p
Quant Time: Apr 26 15:26 2006

Vial: 11
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/27/06

DF = (5000)(5) / (75mL)(6.02)(.9047) = 61.2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.00	168	238823	20.00	ug/L	-0.02
39) 1,4-Difluorobenzene	8.49	114	392762 ✓	20.00	ug/L	0.00
63) *d5-Chlorobenzene	13.01	117	358492 ✓	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.74	152	181712	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.86	65	159473	16.80	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 84.00% ✓			
36) d4-1,2-Dichloroethane	7.86	65	159473	16.80	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 84.00% ✓			
54) d8-Toluene	10.74	98	379961	17.29	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 86.45% ✓			
73) Bromofluorobenzene	14.89	95	156932	17.23	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 86.15% ✓			

Target Compounds Qvalue

ND

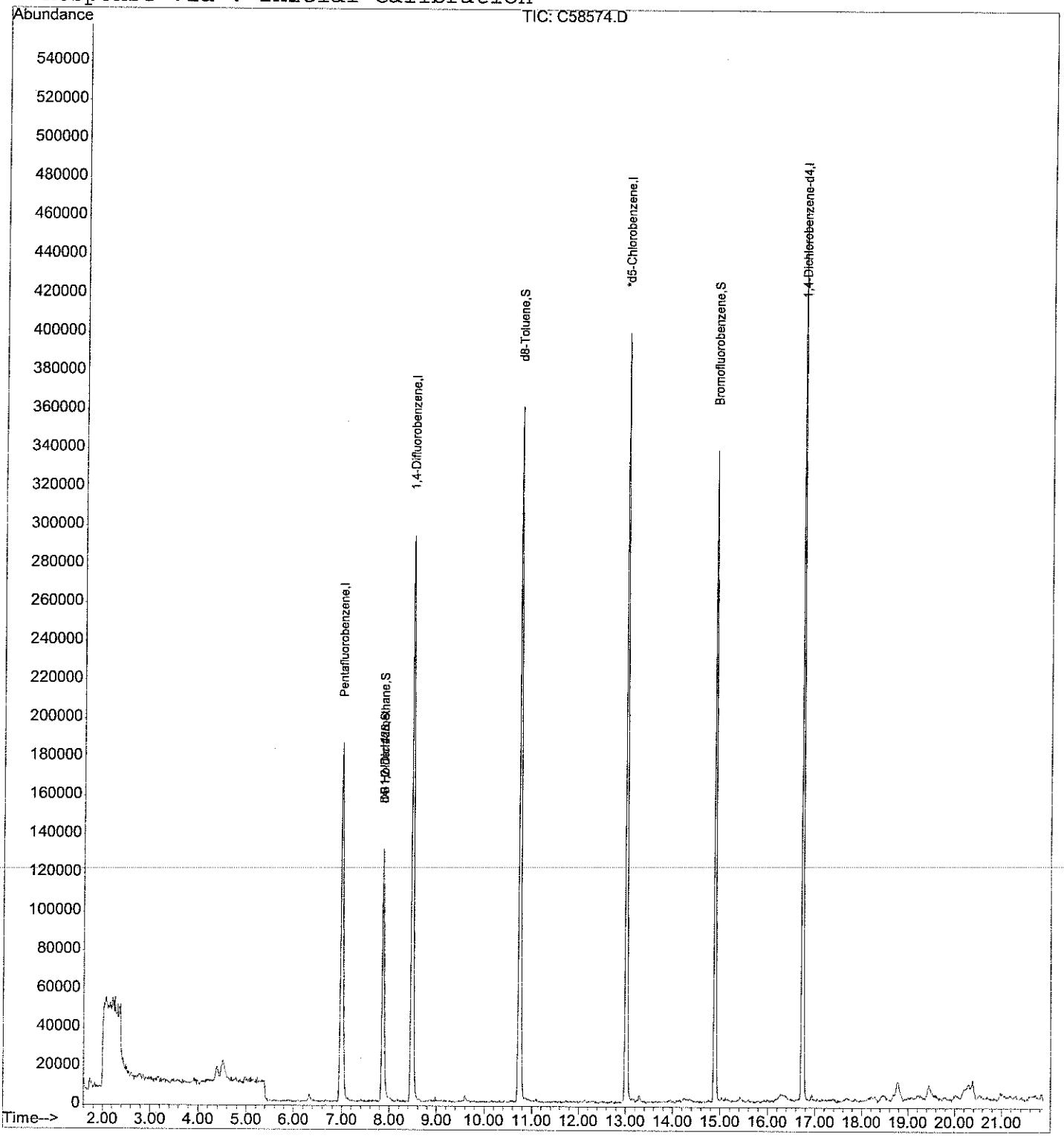
4/27/06

(#) = qualifier out of range (m) = manual integration
C58574.D V804176C.M Wed Apr 26 15:26:54 2006 Page 1

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042606C\C58574.D Vial: 11
Acq On : 26 Apr 2006 3:07 pm Operator:
Sample : 56346-7 Inst : Instr_C
Misc : 75,6.02,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 26 15:26 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration



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Mr. Rick Woodworth
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Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
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April 27, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London Site 7

Project Number:

Field Sample ID: Trip Blank

SAMPLE DATA

Lab Sample ID: 56346-8
Matrix: Solid
Percent Solid: 100
Dilution Factor: 67
Collection Date: 03/08/06
Lab Receipt Date: 04/26/06
Analysis Date: 04/26/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	20	U	1,3-Dichloropropane	67	U
Bromobenzene	67	U	cis-1,3-Dichloropropene	67	U
Bromochloromethane	67	U	trans-1,3-Dichloropropene	67	U
Bromodichloromethane	50	U	2,2-Dichloropropane	67	U
Bromoform	50	U	1,1-Dichloropropene	67	U
Bromomethane	67	U	Ethylbenzene	67	U
n-butylbenzene	67	U	Hexachlorobutadiene	67	U
sec-butylbenzene	67	U	Isopropylbenzene	67	U
tert-butylbenzene	67	U	p-isopropyltoluene	67	U
Carbon Tetrachloride	67	U	Methylene Chloride	333	U
Chlorobenzene	67	U	Methyl-tert-butyl ether (MTBE)	67	U
Chloroethane	67	U	Naphthalene	67	U
Chloroform	50	U	n-Propylbenzene	67	U
Chloromethane	67	U	Styrene	67	U
2-Chlorotoluene	67	U	1,1,1,2-Tetrachloroethane	67	U
4-Chlorotoluene	67	U	1,1,2,2-Tetrachloroethane	50	U
Dibromochloromethane	50	U	Tetrachloroethene	67	U
1,2-Dibromo-3-chloropropane	67	U	Toluene	67	U
1,2-Dibromoethane	50	U	1,2,3-Trichlorobenzene	67	U
Dibromomethane	67	U	1,2,4-Trichlorobenzene	67	U
1,2-Dichlorobenzene	67	U	1,1,1-Trichloroethane	67	U
1,3-Dichlorobenzene	67	U	1,1,2-Trichloroethane	50	U
1,4-Dichlorobenzene	67	U	Trichloroethene	67	U
Dichlorodifluoromethane	67	U	Trichlorofluoromethane	67	U
1,1-Dichloroethane	67	U	1,2,3-Trichloropropane	67	U
1,2-Dichloroethane	50	U	1,2,4-Trimethylbenzene	67	U
1,1-Dichloroethene	50	U	1,3,5-Trimethylbenzene	67	U
cis-1,2-Dichloroethene	67	U	Vinyl Chloride	67	U
trans-1,2-Dichloroethene	67	U	o-Xylene	67	U
1,2-Dichloropropane	50	U	m,p-Xylene	67	U
Acetone	667	U	Diethyl ether	67	U
Carbon Disulfide	67	U	2-Hexanone	667	U
Tetrahydrofuran	333	U	Methyl isobutyl ketone	667	U
Methyl ethyl ketone	667	U	Di-isopropyl ether (DIPE)	67	U
t-Butyl alcohol (TBA)	1330	U	Ethyl t-butyl ether (ETBE)	67	U
t-Amyl methyl ether (TAME)	67	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	94	%	d8-Toluene	102	%	Bromofluorobenzene	100 %

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

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

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

8260 full

Authorized signature

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606C\C58568.D
Acq On : 26 Apr 2006 12:28 pm
Sample : 56346-8
Misc : 75,5.00,SOIL,,TRIP BLANK
MS Integration Params: rteint.p
Quant Time: Apr 26 12:34 2006

Vial: 5
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/27/06

DF = (5000)(5) / (75ml)(5.00g)(1.000) = 66.7

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.99	168	239662	20.00	ug/L	-0.03
39) 1,4-Difluorobenzene	8.48	114	385919	20.00	ug/L	-0.02
63) *d5-Chlorobenzene	13.00	117	355662	20.00	ug/L	-0.02
87) 1,4-Dichlorobenzene-d4	16.73	152	185668	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.86	65	178756	18.77	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	93.85%		
36) d4-1,2-Dichloroethane	7.86	65	178756	18.77	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	93.85%		
54) d8-Toluene	10.74	98	441861	20.46	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	102.30%		
73) Bromofluorobenzene	14.88	95	180517	19.98	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	99.90%		
Target Compounds						Qvalue
23) Methyl ethyl ketone	6.33	72	1534	3.02	ug/L	# 83

MD

D4/27/06

(#) = qualifier out of range (m) = manual integration

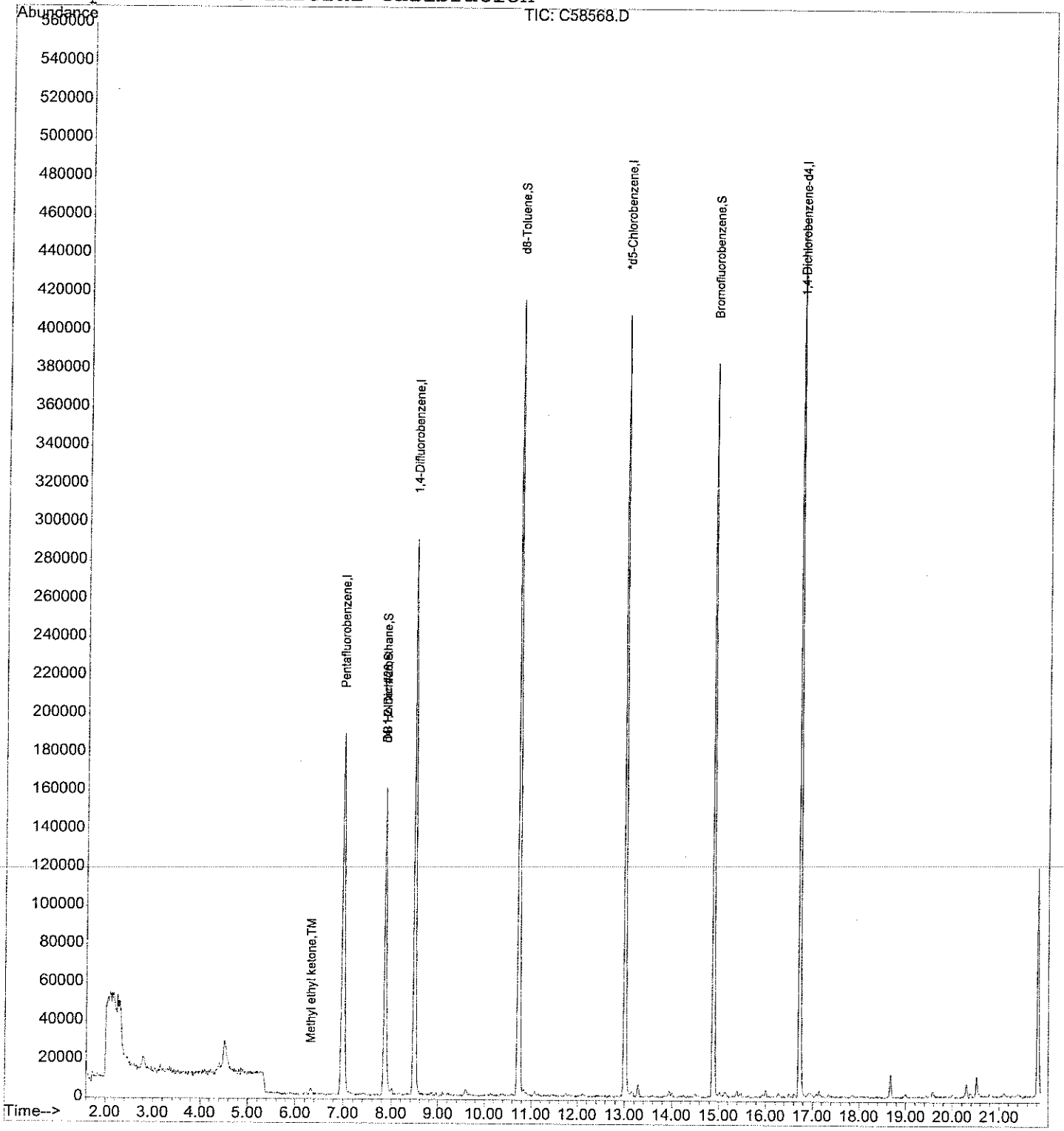
Quantitation Report

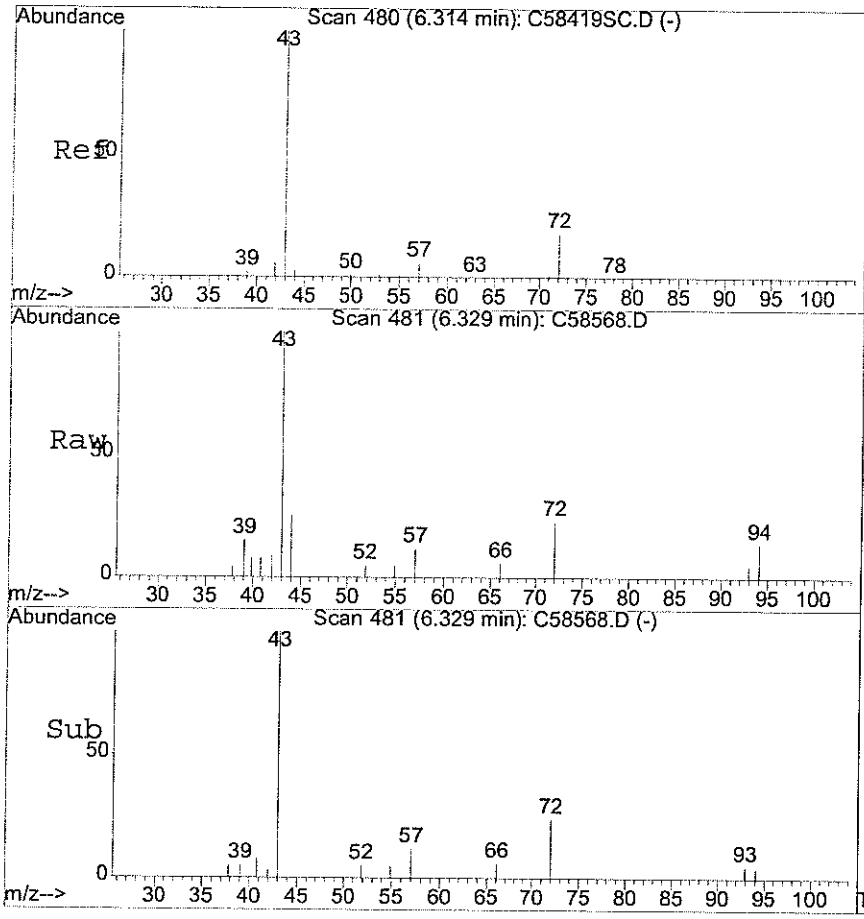
Data File : D:\HPCHEM\1\DATA\042606C\C58568.D
Acq On : 26 Apr 2006 12:28 pm
Sample : 56346-8
Misc : 75,5.00,SOIL,,TRIP BLANK
MS Integration Params: rteint.p
Quant Time: Apr 26 12:34 2006

Vial: 5
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration

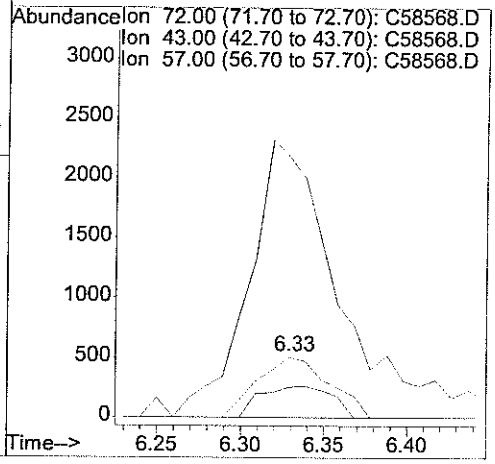




#23
Methyl ethyl ketone
Concen: 3.02 ug/L
RT: 6.33 min Scan# 481
Delta R.T. 0.01 min
Lab File: C58568.D
Acq: 26 Apr 2006 12:28 pm

Tgt Ion: 72 Resp: 1534

Ion	Ratio	Lower	Upper
72	100		
43	607.6	445.2	667.8
57	51.8	33.4	50.0#



analytics environmental laboratory LLC

VOLATILE
QC FORMS

analytics environmental laboratory LLC

VOLATILE ORGANIC SOLID
SYSTEM MONITORING COMPOUNDS
SUMMARY

Project #: | Quote #: | SDG#: 56346

BFB File ID: C58352T.D | Site ID: Subbase New LondonSite 7 | Location: CT

Instrument ID: C | BFB Injection Date: 4/17/06

GC Column: RTX-502.2 | ID: 0.25(mm) | BFB Injection Time: 1130

Heated Purge: (Y/N) N

	SAMPLE ID	SMC 1 #	SMC 2 #	SMC 3 #	OUT
01	0.2 PPB	NA	NA	NA	0
02	1 PPB	NA	NA	NA	0
03	ZZZZZ	NA	NA	NA	0
04	5 PPB	NA	NA	NA	0
05	20 PPB	86	94	87	0
06	50 PPB	NA	NA	NA	0
07	100 PPB	NA	NA	NA	0
08	ZZZZZ	NA	NA	NA	0
09	2 PPB	NA	NA	NA	0
10	ZZZZZ	90	96	99	0
11	ZZZZZ	93	96	97	0
12	ZZZZZ	94	98	95	0
13	ZZZZZ	92	95	95	0
14	ZZZZZ	94	99	97	0
15	ZZZZZ	91	98	97	0
16	ZZZZZ	92	99	94	0
17	ZZZZZ	93	95	97	0
18	ZZZZZ	93	99	96	0
19	ZZZZZ	93	98	95	0
20	ZZZZZ	97	96	94	0
21	ZZZZZ	92	93	94	0
22					
23					
24					
25					
25					
26					

	QC LIMITS
SMC1 = 1,2-Dichloroethane-d4	70-130%
SMC2 = Toluene-d8	70-130%
SMC3 = Bromofluorober	70-130%

\# Column to be used to flag recovery values

* Values outside of protocol required QC limits

D System Monitoring Compound diluted out

analytics environmental laboratory LLC

VOLATILE ORGANIC SOLID
SYSTEM MONITORING COMPOUNDS
SUMMARY

Project #:		Quote #:		SDG#:	56346
BFB File ID:	C58562T.D	Site ID:	Subbase New London Site 7	Location:	CT
Instrument ID:	C			BFB Injection Date:	4/26/06
GC Column:	RTX-502.2	0.25(mm)		BFB Injection Time:	0940
				Heated Purge: (Y/N)	N

	SAMPLE ID	SMC 1 #	SMC 1 #	SMC 1 #	OUT
01	20 PPB	92	95	93	0
02	LS04266C	86	93	93	0
03	LS04266C2	89	94	97	0
04	ZZZZZ	92	95	96	0
05	MB04266C	102	109	113	0
06	56346-8	94	102	100	0
07	56346-2	70	75	74	0
08	56346-3	88	93	95	2
09	56346-4	84	89	90	0
10	56346-5	77	83	82	0
11	56346-6	85	90	93	0
12	56346-7	84	86	86	0
13	ZZZZZ	80	85	85	0
14	ZZZZZ	90	95	95	0
15	ZZZZZ	80	70	80	0
16	ZZZZZ	70	70	75	0
17	ZZZZZ	75	85	80	0
18	ZZZZZ	90	80	90	0
19					
20					
21					
22					
23					
24					
25					
25					
26					

QC LIMITS

SMC1 = 1,2-Dichloroethane-d4	70-130%
SMC2 = Toluene-d8	70-130%
SMC3 = Bromofluorobenzene	70-130%

\# Column to be used to flag recovery values

* Values outside of protocol required QC limits

D System Monitoring Compound diluted out

analytics environmental laboratory LLC

VOLATILE ORGANIC AQUEOUS SYSTEM MONITORING COMPOUNDS SUMMARY

Project #:

Quote #:

SDG#: 56346

BFB File ID: C58584T.D

Site ID: Subbase New London Site 7

Location: CT

Instrument ID: C

BFB Injection Date: 4/26/06

GC Column: RTX-502.2

ID: 0.25(mm)

BFB Injection Time: 2133

Heated Purge: (Y/N) N

	SAMPLE ID	SMC 1 #	SMC 2 #	SMC 3 #	OUT
01	20 PPB	96	98	95	0
02	B804266C2	95	101	99	0
03	L804266C3	96	96	92	0
04	L804266C4	96	99	97	0
05	ZZZZZ	92	96	96	0
06	ZZZZZ	91	99	94	0
07	ZZZZZ	93	100	95	0
08	56346-1	93	101	95	0
09	56346-1,MS	93	101	94	0
10	56346-1,MSD	96	95	95	0
11	ZZZZZ	92	98	96	0
12	ZZZZZ	94	101	97	0
13	ZZZZZ	97	99	99	0
14	ZZZZZ	97	100	95	0
15	ZZZZZ	95	98	97	0
16	ZZZZZ	97	102	94	0
17	ZZZZZ	94	96	93	0
18	ZZZZZ	94	98	95	0
19	ZZZZZ	97	98	95	0
20	ZZZZZ	95	95	93	0
21	ZZZZZ	94	96	93	0
22					
23					
24					
25					
25					
26					

	QC LIMITS
SMC2 = 1,2-Dichloroethane-d4	70-130%
SMC3 = Toluene-d8	70-130%
SMC4 = Bromofluorobenzene	70-130%

\# Column to be used to flag recovery values

* Values outside of protocol required QC limits

D System Monitoring Compound diluted out

analytics environmental laboratory LLC

VOLATILE ORGANIC

LABORATORY CONTROL SAMPLE/DUPLICATE

PERCENT RECOVERY

Project #:

Quote #:

SDG#: 56346

Site ID: Subbase New London Site 7

Location: CT

Instrument ID: C

GC Column: RTX-502.2

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Laboratory Control Sample/Duplicate Sample ID: LS04266C/LS04266C2

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE AMT (ug/kg)	MS CONC. (ug/kg)	MS REC %	#	MSD CONC. (ug/kg)	MSD REC %	#	RPD	#	QC LIMITS RPD	QC LIMITS % REC.
Dichlorodifluoromethane	2000	U	1058	53		1038	52		2		25	49-82
Chloromethane	2000	U	1751	88		1718	86		2		25	75-125
Vinyl Chloride	2000	U	1385	69	*	1438	72	*	4		25	75-125
Bromomethane	2000	U	1998	100		2162	108		8		25	75-125
Chloroethane	2000	U	1564	78		1652	83		5		25	75-125
t-Butyl alcohol (TBA)	10000	U	8582	86		9725	97		12		25	60-140
Trichlorofluoromethane	2000	U	1647	82		1710	85		4		25	75-125
Diethyl ether	2000	U	1612	81		1775	89		10		25	75-125
Acetone	5000	U	4831	97		4933	99		2		25	75-125
1,1-Dichloroethene	2000	U	1957	98		1887	94		4		25	75-125
Di-isopropyl ether (DIPE)	2000	U	1921	96		1987	99		3		25	75-125
Methylene Chloride	2000	U	1984	99		1967	98		1		25	75-125
Carbon Disulfide	2000	U	1996	100		2049	102		3		25	75-125
Methyl-tert-butyl ether (MTBE)	2000	U	1881	94		2013	101		7		25	75-125
trans-1,2-Dichloroethene	2000	U	1927	96		1996	100		4		25	75-125
1,1-Dichloroethane	2000	U	1950	98		1995	100		2		25	75-125
Methyl ethyl ketone	5000	U	4721	94		5097	102		8		25	60-140
Ethyl t-butyl ether (ETBE)	2000	U	1936	97		2020	101		4		25	75-125
2,2-Dichloropropane	2000	U	1936	97		1972	99		2		25	75-125
cis-1,2-Dichloroethene	2000	U	1971	99		2079	104		5		25	75-125
t-Amyl methyl ether (TAME)	2000	U	1947	97		2017	101		4		25	75-125
Chloroform	2000	U	1979	99		2042	102		3		25	75-125
Bromochloromethane	2000	U	1914	96		1994	100		4		25	75-125
Tetrahydrofuran	2000	U	1861	93		2134	107		14		25	60-140
1,1,1-Trichloroethane	2000	U	1957	98		2002	100		2		25	75-125
1,1-Dichloropropene	2000	U	1949	97		2013	101		3		25	75-125
Carbon Tetrachloride	2000	U	1891	95		1951	98		3		25	75-125
1,2-Dichloroethane	2000	U	1905	95		1987	99		4		25	75-125
Benzene	2000	U	1922	96		1967	98		2		25	75-125
Trichloroethene	2000	U	1960	98		1995	100		2		25	75-125
1,2-Dichloropropane	2000	U	1922	96		2013	101		5		25	75-125
Bromodichloromethane	2000	U	1932	97		2024	101		5		25	75-125
Dibromomethane	2000	U	1876	94		2008	100		7		25	75-125
2-Hexanone	5000	U	4811	96		5209	104		8		25	75-125
Methyl isobutyl ketone	5000	U	4541	91		5237	105		14		25	75-125
cis-1,3-Dichloropropene	2000	U	1904	95		1953	98		3		25	75-125
Toluene	2000	U	1965	98		2045	102		4		25	75-125
trans-1,3-Dichloropropene	2000	U	1895	95		2020	101		6		25	75-125
1,1,2-Trichloroethane	2000	U	1894	95		2045	102		8		25	75-125
1,3-Dichloropropane	2000	U	1899	95		2045	102		7		25	75-125
Tetrachloroethene	2000	U	1932	97		2013	101		4		25	75-125
Dibromochloromethane	2000	U	1947	97		2043	102		5		25	75-125
1,2-Dibromoethane	2000	U	1940	97		2064	103		6		25	75-125
Chlorobenzene	2000	U	1978	99		2046	102		3		25	75-125
1,1,1,2-Tetrachloroethane	2000	U	1953	98		2030	101		4		25	75-125
Ethylbenzene	2000	U	1988	99		2075	104		4		25	75-125
m,p-Xylene	4000	U	4065	102		4159	104		2		25	75-125

analytics environmental laboratory LLC

VOLATILE ORGANIC

LABORATORY CONTROL SAMPLE/DUPLICATE

PERCENT RECOVERY

Project #:

Quote #:

SDG#: 56346

Site ID: Subbase New London Site 7

Location: CT

Instrument ID: C

GC Column: RTX-502.2

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Laboratory Control Sample/Duplicate Sample ID: LS04266C/LS04266C2

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE AMT (ug/kg)	MS CONC. (ug/kg)	MS REC %	#	MSD CONC. (ug/kg)	MSD REC %	#	RPD	#	QC LIMITS RPD	QC LIMITS % REC.
o-Xylene	2000	U	2021	101		2055	103		2		25	75-125
Styrene	2000	U	2029	101		2091	105		3		25	75-125
Bromoform	2000	U	1975	99		2083	104		5		25	75-125
Isopropylbenzene	2000	U	2017	101		2051	103		2		25	75-125
1,1,2,2-Tetrachloroethane	2000	U	1823	91		2001	100		9		25	75-125
1,2,3-Trichloropropane	2000	U	1769	88		1992	100		12		25	75-125
n-Propylbenzene	2000	U	2096	105		2208	110		5		25	75-125
Bromobenzene	2000	U	1997	100		2132	107		7		25	75-125
1,3,5-Trimethylbenzene	2000	U	2009	100		2114	106		5		25	75-125
2-Chlorotoluene	2000	U	1997	100		2083	104		4		25	75-125
4-Chlorotoluene	2000	U	2027	101		2058	103		2		25	75-125
tert-butylbenzene	2000	U	2041	102		1988	99		3		25	75-125
1,2,4-Trimethylbenzene	2000	U	2031	102		2099	105		3		25	75-125
sec-butylbenzene	2000	U	2040	102		2123	106		4		25	75-125
p-isopropyltoluene	2000	U	2008	100		2055	103		2		25	75-125
1,3-Dichlorobenzene	2000	U	1971	99		2144	107		8		25	75-125
1,4-Dichlorobenzene	2000	U	2023	101		2079	104		3		25	75-125
n-butylbenzene	2000	U	2011	101		2033	102		1		25	75-125
1,2-Dichlorobenzene	2000	U	2013	101		2070	104		3		25	75-125
1,2-Dibromo-3-chloropropane	2000	U	1756	88		1962	98		11		25	75-125
1,2,4-Trichlorobenzene	2000	U	2048	102		2101	105		3		25	75-125
Hexachlorobutadiene	2000	U	2119	106		2166	108		2		25	75-125
Naphthalene	2000	U	1858	93		2077	104		11		25	75-125
1,2,3-Trichlorobenzene	2000	U	2012	101		2138	107		6		25	75-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 71 outside limits

Spike Recovery: 2 out of 142 outside limits

Comments: _____

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606C\C58564Q.D
Acq On : 26 Apr 2006 10:28 am
Sample : LS04266C
Misc : 50,5.00,SOIL
Integration Params: rteint.p
Quant Time: Apr 26 10:53 2006

Vial: 1
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/27/06 4/27/06

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.99	168	232841	20.00 ug/L	-0.03
39) 1,4-Difluorobenzene	8.47	114	372593	20.00 ug/L	-0.02
63) *d5-Chlorobenzene	13.00	117	336512	20.00 ug/L	-0.02
87) 1,4-Dichlorobenzene-d4	16.73	152	169596	20.00 ug/L	-0.01
System Monitoring Compounds					
28) DB Holder #28	7.85	65	159983	17.29 ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 86.45%		
36) d4-1,2-Dichloroethane	7.85	65	159983	17.29 ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 86.45%		
54) d8-Toluene	10.73	98	385983	18.51 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 92.55%		
73) Bromofluorobenzene	14.87	95	159446	18.65 ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 93.25%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.69	85	83070	10.58 ug/L	98
3) Chloromethane	1.94	50	137972	17.51 ug/L	98
4) Vinyl Chloride	2.01	62	111618	13.85 ug/L	97
5) Bromomethane	2.42	94	83362	19.98 ug/L	98
6) Chloroethane	2.52	64	61784	15.64 ug/L	99
7) t-Butyl alcohol (TBA)	3.97	59	51876	85.82 ug/L	97
8) Trichlorofluoromethane	2.82	101	239740	16.47 ug/L	97
9) Diethyl ether	3.26	74	36956	16.12 ug/L	92
10) 1,1,2-Trichlorotrifluoroet	3.39	101	106851	18.80 ug/L	99
12) Acetone	3.54	43	97612	48.31 ug/L	98
13) 1,1-Dichloroethene	3.63	96	81031	19.57 ug/L	97
14) Methyl iodide	4.08	142	123509	19.20 ug/L	100
15) Di-isopropyl ether (DIPE)	5.49	45	392499	19.21 ug/L	98
16) Methylene Chloride	4.39	84	89573	19.84 ug/L	99
17) Carbon Disulfide	4.34	76	264861	19.96 ug/L	100
18) Acrylonitrile	4.65	53	35201	18.40 ug/L	96
19) Methyl-tert-butyl ether (M	4.73	73	294212	18.81 ug/L	98
20) trans-1,2-Dichloroethene	4.87	61	196164	19.27 ug/L	99
21) 1,1-Dichloroethane	5.57	63	226505	19.50 ug/L	100
23) Methyl ethyl ketone	6.30	72	23326	47.21 ug/L	99
24) Ethyl t-butyl ether (ETBE)	6.14	59	370483	19.36 ug/L	100
25) 2,2-Dichloropropane	6.44	77	172767	19.36 ug/L	95
26) cis-1,2-Dichloroethene	6.52	96	130112	19.71 ug/L	96
27) t-Amyl methyl ether (TAME)	7.85	73	260572	19.47 ug/L	98
29) Chloroform	6.77	83	216815	19.79 ug/L	95
30) Bromochloromethane	7.00	128	66981	19.14 ug/L	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606C\C58564Q.D Vial: 1
Acq On : 26 Apr 2006 10:28 am Operator:
Sample : LS04266C Inst : Instr_C
Misc : 50,5.00,SOIL Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 26 10:53 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31)	Tetrahydrofuran	7.12	71	9937	18.61 ug/L	89
32)	1,1,1-Trichloroethane	7.37	97	195046	19.57 ug/L	99
34)	1,1-Dichloropropene	7.62	75	154619	19.49 ug/L	94
35)	Carbon Tetrachloride	7.74	119	155506	18.91 ug/L	95
37)	1,2-Dichloroethane	7.99	62	206042	19.05 ug/L	98
38)	Benzene	8.00	78	363081	19.21 ug/L	98
40)	Trichloroethene	8.94	95	128445	19.60 ug/L	97
41)	1,2-Dichloropropane	9.20	63	118529	19.22 ug/L	100
42)	Methylmethacrylate	9.36	69	64632	16.93 ug/L	97
45)	Bromodichloromethane	9.55	83	155673	19.32 ug/L	99
46)	Dibromomethane	9.61	93	88368	18.76 ug/L	98
47)	1,4-Dioxane	9.63	88	24784	425.27 ug/L	92
51)	2-Hexanone	11.43	58	98823	48.11 ug/L	94
52)	Methyl isobutyl ketone	10.12	58	96192	45.41 ug/L	97
53)	cis-1,3-Dichloropropene	10.38	75	174664	19.04 ug/L	96
55)	Toluene	10.84	92	242819	19.65 ug/L	100
56)	trans-1,3-Dichloropropene	11.14	75	165463	18.95 ug/L	98
58)	1,1,2-Trichloroethane	11.36	83	76950	18.94 ug/L	93
59)	1,3-Dichloropropane	11.75	76	150834	18.99 ug/L	97
60)	Tetrachloroethene	11.83	166	153513	19.32 ug/L	99
61)	Dibromochloromethane	12.11	129	133331	19.47 ug/L	99
62)	1,2-Dibromoethane	12.41	107	133448	19.40 ug/L	99
64)	Chlorobenzene	13.06	112	335618	19.78 ug/L	100
65)	1,1,1,2-Tetrachloroethane	13.14	131	117496	19.53 ug/L	98
66)	Ethylbenzene	13.16	91	487409	19.88 ug/L	100
67)	m,p-Xylene	13.28	106	399573	40.65 ug/L	99
68)	o-Xylene	13.95	106	192231	20.21 ug/L	99
69)	Styrene	14.00	104	339352	20.29 ug/L	98
70)	Bromoform	14.48	173	103086	19.75 ug/L	98
71)	Isopropylbenzene	14.51	105	509213	20.17 ug/L	98
72)	1,1,2,2-Tetrachloroethane	14.78	83	120333	18.23 ug/L	99
74)	1,2,3-Trichloropropane	14.99	75	86747	17.69 ug/L	100
75)	trans-1,4-Dichloro-2-buten	15.12	89	39697	19.44 ug/L #	73
76)	n-Propylbenzene	15.13	91	592287	20.95 ug/L	100
77)	Bromobenzene	15.16	156	145166	19.97 ug/L	98
78)	1,3,5-Trimethylbenzene	15.39	105	418580	20.09 ug/L	98
79)	2-Chlorotoluene	15.39	91	388942	19.97 ug/L	100
80)	4-Chlorotoluene	15.47	91	362557	20.27 ug/L	100
81)	tert-butylbenzene	15.93	119	375781	20.41 ug/L	100
82)	1,2,4-Trimethylbenzene	16.00	105	430369	20.31 ug/L	97
83)	Diisobutylketone	15.10	57	12232	0.82 ug/L #	28

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606C\C58564Q.D Vial: 1
Acq On : 26 Apr 2006 10:28 am Operator:
Sample : LS04266C Inst : Instr_C
Misc : 50,5.00,SOIL Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 26 10:53 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

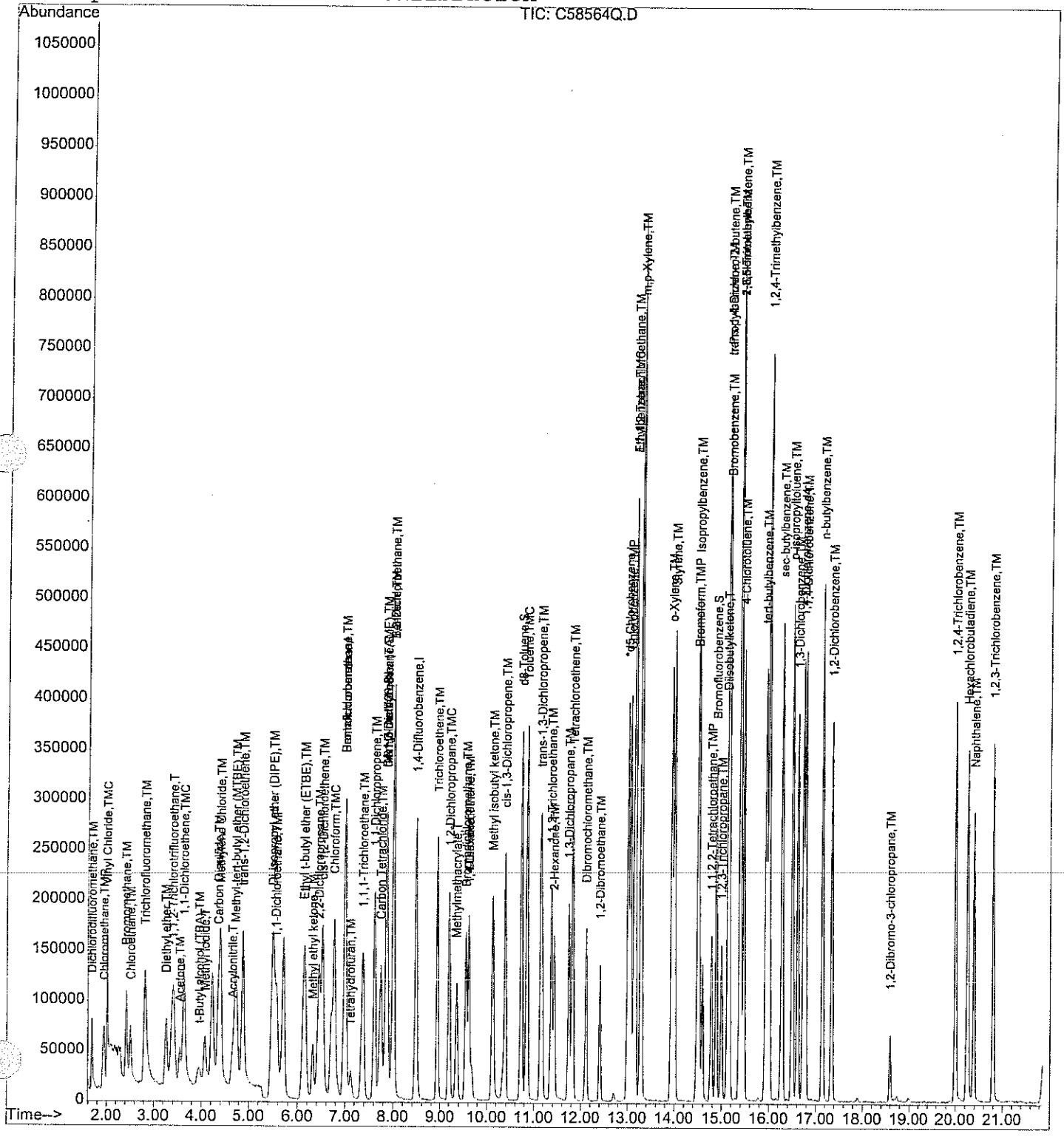
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
84)	sec-butylbenzene	16.27	105	578684	20.40	ug/L	95
85)	p-isopropyltoluene	16.49	119	457245	20.08	ug/L	98
86)	1,3-Dichlorobenzene	16.61	146	242098	19.71	ug/L	97
88)	1,4-Dichlorobenzene	16.78	146	256390	20.23	ug/L	98
89)	n-butylbenzene	17.14	91	426986	20.11	ug/L	100
90)	1,2-Dichlorobenzene	17.35	146	235471	20.13	ug/L	99
92)	1,2-Dibromo-3-chloropropan	18.59	75	21937	17.56	ug/L	85
94)	1,2,4-Trichlorobenzene	19.99	180	205698	20.48	ug/L	97
95)	Hexachlorobutadiene	20.25	225	108777	21.19	ug/L	95
96)	Naphthalene	20.39	128	340444	18.58	ug/L	100
97)	1,2,3-Trichlorobenzene	20.80	180	183328	20.12	ug/L	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042606C\C58564Q.D Vial: 1
Acq On : 26 Apr 2006 10:28 am Operator:
Sample : LS04266C Inst : Instr_C
Misc : 50,5.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 26 10:53 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606C\C58565Q.D Vial: 2
Acq On : 26 Apr 2006 11:02 am Operator:
Sample : LS04266C2 Inst : Instr_C
Misc : 50,5.00,SOIL Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 26 11:12 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

4/27/06 SL ✓ MT 4/27/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.99	168	231590	20.00	ug/L	-0.03
39) 1,4-Difluorobenzene	8.47	114	371136	20.00	ug/L	-0.03
63) *d5-Chlorobenzene	13.01	117	333306 ✓	20.00	ug/L	-0.02
87) 1,4-Dichlorobenzene-d4	16.73	152	169550	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.86	65	163509	17.76	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 88.80% ✓			
36) d4-1,2-Dichloroethane	7.86	65	163509	17.76	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 88.80% ✓			
54) d8-Toluene	10.73	98	390204	18.79	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 93.95% ✓			
73) Bromofluorobenzene	14.88	95	163881	19.35	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 96.75% ✓			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.68	85	81070	10.38	ug/L	100
3) Chloromethane	1.93	50	134617	17.18	ug/L	100
4) Vinyl Chloride	2.00	62	115242	14.38	ug/L	97
5) Bromomethane	2.41	94	89718	21.62	ug/L	99
6) Chloroethane	2.51	64	64897	16.52	ug/L	100
7) t-Butyl alcohol (TBA)	3.97	59	58466	97.25	ug/L	97
8) Trichlorofluoromethane	2.82	101	247581	17.10	ug/L	100
9) Diethyl ether	3.25	74	40475	17.75	ug/L	97
10) 1,1,2-Trichlorotrifluoroet	3.39	101	106640	18.87	ug/L	98
12) Acetone	3.54	43	99142	49.33	ug/L	97
13) 1,1-Dichloroethene	3.63	96	77713	18.87	ug/L	90
14) Methyl iodide	4.07	142	129088	20.18	ug/L	98
15) Di-isopropyl ether (DIPE)	5.49	45	403773	19.87	ug/L	99
16) Methylene Chloride	4.39	84	88355	19.67	ug/L	97
17) Carbon Disulfide	4.34	76	270448	20.49	ug/L	100
18) Acrylonitrile	4.64	53	42190	22.17	ug/L	96
19) Methyl-tert-butyl ether (M	4.73	73	313161	20.13	ug/L	100
20) trans-1,2-Dichloroethene	4.87	61	202078	19.96	ug/L	94
21) 1,1-Dichloroethane	5.56	63	230452	19.95	ug/L	99
23) Methyl ethyl ketone	6.31	72	25047	50.97	ug/L	94
24) Ethyl t-butyl ether (ETBE)	6.14	59	384518	20.20	ug/L	99
25) 2,2-Dichloropropane	6.45	77	175104	19.72	ug/L	98
26) cis-1,2-Dichloroethene	6.52	96	136478	20.79	ug/L	98
27) t-Amyl methyl ether (TAME)	7.86	73	268560	20.17	ug/L	99
29) Chloroform	6.77	83	222495	20.42	ug/L	95
30) Bromochloromethane	7.00	128	69425	19.94	ug/L	94

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606C\C58565Q.D Vial: 2
Acq On : 26 Apr 2006 11:02 am Operator:
Sample : LS04266C2 Inst : Instr_C
Misc : 50,5.00,SOIL Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 26 11:12 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31)	Tetrahydrofuran	7.13	71	11332	21.34 ug/L	96
32)	1,1,1-Trichloroethane	7.36	97	198513	20.02 ug/L	97
34)	1,1-Dichloropropene	7.61	75	158795	20.13 ug/L	96
35)	Carbon Tetrachloride	7.74	119	159595	19.51 ug/L	99
37)	1,2-Dichloroethane	8.00	62	213748	19.87 ug/L	97
38)	Benzene	8.00	78	369749	19.67 ug/L	98
40)	Trichloroethene	8.93	95	130179	19.95 ug/L	97
41)	1,2-Dichloropropane	9.20	63	123690	20.13 ug/L	97
42)	Methylmethacrylate	9.36	69	76893	20.22 ug/L	98
43)	Methyl acetate	4.24	43	6512	1.16 ug/L #	82
45)	Bromodichloromethane	9.54	83	162508	20.24 ug/L	94
46)	Dibromomethane	9.61	93	94225	20.08 ug/L	97
47)	1,4-Dioxane	9.63	88	30331	522.49 ug/L	96
51)	2-Hexanone	11.43	58	106578	52.09 ug/L	97
52)	Methyl isobutyl ketone	10.12	58	110489	52.37 ug/L	98
53)	cis-1,3-Dichloropropene	10.38	75	178423	19.53 ug/L	94
55)	Toluene	10.85	92	251755	20.45 ug/L	99
56)	trans-1,3-Dichloropropene	11.14	75	175668	20.20 ug/L	99
58)	1,1,2-Trichloroethane	11.37	83	82779	20.45 ug/L	95
59)	1,3-Dichloropropane	11.74	76	161785	20.45 ug/L	99
60)	Tetrachloroethene	11.82	166	159392	20.13 ug/L	97
61)	Dibromochloromethane	12.11	129	139407	20.43 ug/L	99
62)	1,2-Dibromoethane	12.41	107	141443	20.64 ug/L	99
64)	Chlorobenzene	13.06	112	343784	20.46 ug/L	99
65)	1,1,1,2-Tetrachloroethane	13.14	131	120958	20.30 ug/L	98
66)	Ethylbenzene	13.16	91	503810	20.75 ug/L	99
67)	m,p-Xylene	13.28	106	404914	41.59 ug/L	99
68)	o-Xylene	13.94	106	193674	20.55 ug/L	95
69)	Styrene	14.00	104	346403	20.91 ug/L	97
70)	Bromoform	14.47	173	107726	20.83 ug/L	98
71)	Isopropylbenzene	14.50	105	512873	20.51 ug/L	100
72)	1,1,2,2-Tetrachloroethane	14.77	83	130831	20.01 ug/L	97
74)	1,2,3-Trichloropropane	15.00	75	96739	19.92 ug/L	95
75)	trans-1,4-Dichloro-2-buten	15.13	89	42225	20.88 ug/L #	75
76)	n-Propylbenzene	15.14	91	618244	22.08 ug/L	99
77)	Bromobenzene	15.16	156	153510	21.32 ug/L	98
78)	1,3,5-Trimethylbenzene	15.39	105	436183	21.14 ug/L	99
79)	2-Chlorotoluene	15.38	91	401972	20.83 ug/L	100
80)	4-Chlorotoluene	15.46	91	364673	20.58 ug/L	97
81)	tert-butylbenzene	15.93	119	362669	19.88 ug/L	98
82)	1,2,4-Trimethylbenzene	15.99	105	440495	20.99 ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606C\C58565Q.D Vial: 2
Acq On : 26 Apr 2006 11:02 am Operator:
Sample : LS04266C2 Inst : Instr_C
Misc : 50,5.00,SOIL Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 26 11:12 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

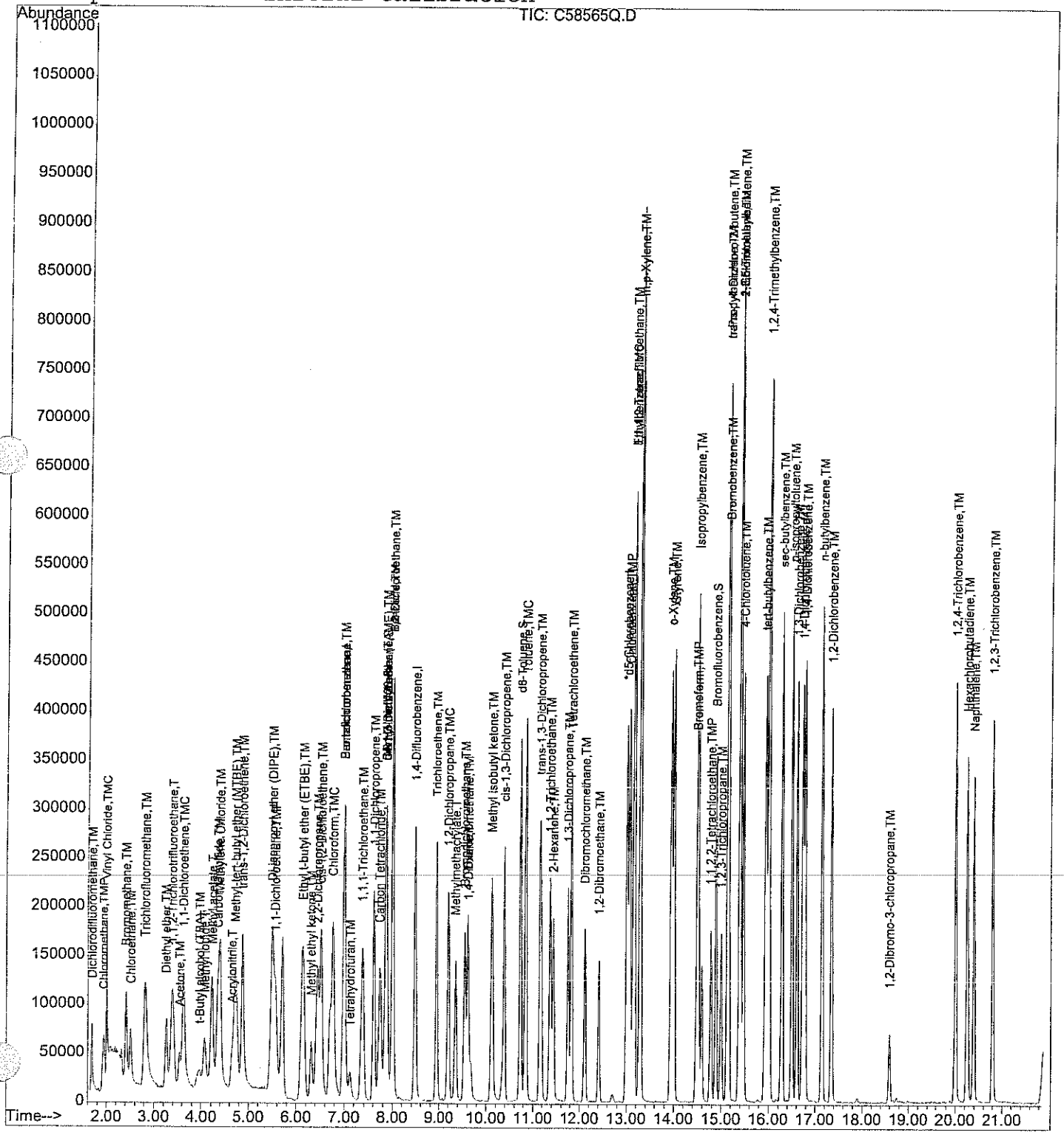
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
84)	sec-butylbenzene	16.27	105	596306	21.23	ug/L	98
85)	p-isopropyltoluene	16.50	119	463668	20.55	ug/L	98
86)	1,3-Dichlorobenzene	16.60	146	260782	21.44	ug/L	97
88)	1,4-Dichlorobenzene	16.78	146	263336	20.79	ug/L	99
89)	n-butylbenzene	17.14	91	431513	20.33	ug/L	100
90)	1,2-Dichlorobenzene	17.34	146	242080	20.70	ug/L	99
92)	1,2-Dibromo-3-chloropropan	18.59	75	24501	19.62	ug/L	87
94)	1,2,4-Trichlorobenzene	20.00	180	210985	21.01	ug/L	97
95)	Hexachlorobutadiene	20.24	225	111179	21.66	ug/L	95
96)	Naphthalene	20.38	128	380582	20.77	ug/L	100
97)	1,2,3-Trichlorobenzene	20.80	180	194797	21.38	ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042606C\C58565Q.D Vial: 2
Acq On : 26 Apr 2006 11:02 am Operator:
Sample : LS04266C2 Inst : Instr_C
Misc : 50,5.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 26 11:12 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration



analytics environmental laboratory LLC

VOLATILE ORGANIC

LABORATORY CONTROL SAMPLE

PERCENT RECOVERY

Project #: Quote #: SDG#: 56346

Site ID: Subbase New London Site 7 Location: CT

Instrument ID: C

GC Column: RTX-502.2 ID: 0.25 (mm)

Heated Purge: (Y/N) N

Laboratory Cotrol Sample ID: L804266C3

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE AMT (ug/L)	LCS CONC. (ug/L)	LCS REC %	#	QC Limits %REC
Dichlorodifluoromethane	20	U	24.3	121	*	80-120
Chloromethane	20	U	20.3	101		80-120
Vinyl Chloride	20	U	20.1	101		80-120
Bromomethane	20	U	25.2	126	*	80-120
Chloroethane	20	U	21.0	105		80-120
t-Butyl alcohol (TBA)	100	U	111.5	112		70-130
Trichlorofluoromethane	20	U	20.7	103		80-120
Diethyl ether	20	U	17.7	88		80-120
Acetone	100	U	104.4	104		70-130
1,1-Dichloroethene	20	U	20.2	101		80-120
Di-isopropyl ether (DIPE)	20	U	21.1	105		80-120
Methylene Chloride	20	U	21.4	107		80-120
Carbon Disulfide	20	U	18.6	93		80-120
Methyl-tert-butyl ether (MTBE)	40	U	42.4	106		80-120
trans-1,2-Dichloroethene	20	U	19.7	99		80-120
1,1-Dichloroethane	20	U	19.7	98		80-120
Methyl ethyl ketone	100	U	113.9	114		70-130
Ethyl t-butyl ether (ETBE)	20	U	21.1	106		80-120
2,2-Dichloropropane	20	U	18.1	90		80-120
cis-1,2-Dichloroethene	20	U	20.9	104		80-120
t-Amyl methyl ether (TAME)	20	U	22.5	112		80-120
Chloroform	20	U	20.6	103		80-120
Bromochloromethane	20	U	19.8	99		80-120
Tetrahydrofuran	20	U	23.1	116		70-130
1,1,1-Trichloroethane	20	U	20.3	102		80-120
1,1-Dichloropropene	20	U	20.4	102		80-120
Carbon Tetrachloride	20	U	19.5	98		80-120
1,2-Dichloroethane	20	U	20.2	101		80-120
Benzene	20	U	20.3	101		80-120
Trichloroethene	20	U	20.4	102		80-120
1,2-Dichloropropane	20	U	19.8	99		80-120
Bromodichloromethane	20	U	21.2	106		80-120
Dibromomethane	20	U	19.3	97		80-120
2-Hexanone	100	U	113.8	114		70-130
Methyl isobutyl ketone	100	U	113.2	113		70-130
cis-1,3-Dichloropropene	20	U	20.1	101		80-120
Toluene	20	U	20.1	101		80-120
trans-1,3-Dichloropropene	20	U	18.6	93		80-120
1,1,2-Trichloroethane	20	U	21.2	106		80-120
1,3-Dichloropropane	20	U	21.2	106		80-120
Tetrachloroethene	20	U	19.0	95		80-120
Dibromochloromethane	20	U	21.3	107		80-120
1,2-Dibromoethane	20	U	20.9	104		80-120
Chlorobenzene	20	U	20.3	102		80-120
1,1,1,2-Tetrachloroethane	20	U	20.5	102		80-120
Ethylbenzene	20	U	20.1	100		80-120
m,p-Xylene	40	U	39.8	100		80-120

analytics environmental laboratory LLC

VOLATILE ORGANIC

LABORATORY CONTROL SAMPLE

PERCENT RECOVERY

Project #:

Quote #:

SDG#: 56346

Site ID: Subbase New London Site 7

Location: CT

Instrument ID: C

GC Column: RTX-502.2

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Laboratory Cotrol Sample ID: L804266C3

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE AMT (ug/L)	LCS CONC. (ug/L)	LCS REC %	#	QC Limits %REC
o-Xylene	20	U	21.1	105		80-120
Styrene	20	U	20.5	102		80-120
Bromoform	20	U	21.1	106		80-120
Isopropylbenzene	20	U	18.8	94		80-120
1,1,2,2-Tetrachloroethane	20	U	21.1	105		80-120
1,2,3-Trichloropropane	20	U	21.3	107		80-120
n-Propylbenzene	20	U	21.4	107		80-120
Bromobenzene	20	U	20.2	101		80-120
1,3,5-Trimethylbenzene	20	U	20.2	101		80-120
2-Chlorotoluene	20	U	20.7	103		80-120
4-Chlorotoluene	20	U	20.2	101		80-120
tert-butylbenzene	20	U	20.0	100		80-120
1,2,4-Trimethylbenzene	20	U	19.9	99		80-120
sec-butylbenzene	20	U	20.3	102		80-120
p-isopropyltoluene	20	U	18.7	93		80-120
1,3-Dichlorobenzene	20	U	20.0	100		80-120
1,4-Dichlorobenzene	20	U	20.5	102		80-120
n-butylbenzene	20	U	20.6	103		80-120
1,2-Dichlorobenzene	20	U	20.7	103		80-120
1,2-Dibromo-3-chloropropane	20	U	20.9	105		80-120
1,2,4-Trichlorobenzene	20	U	20.0	100		80-120
Hexachlorobutadiene	20	U	20.0	100		80-120
Naphthalene	20	U	21.0	105		80-120
1,2,3-Trichlorobenzene	20	U	20.4	102		80-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 2 out of 71 outside limits

Comments: _____

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606C\C58587Q.D Vial: 8
Acq On : 26 Apr 2006 11:46 pm Operator:
Sample : L804266C3 Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 27 0:16 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

4/27/06 SL ✓ MT 4/27/06

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	7.01	168	228722	20.00	ug/L		0.00
39) 1,4-Difluorobenzene	8.49	114	386707 ✓	20.00	ug/L		0.00
63) *d5-Chlorobenzene	13.01	117	340056 ✓	20.00	ug/L		0.00
87) 1,4-Dichlorobenzene-d4	16.74	152	164340	20.00	ug/L		0.00
System Monitoring Compounds							
28) DB Holder #28	7.88	65	174312	19.18	ug/L		0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 95.90% ✓				
36) d4-1,2-Dichloroethane	7.88	65	174822	19.23	ug/L		0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 96.15% ✓				
54) d8-Toluene	10.75	98	416344	19.24	ug/L		0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 96.20% ✓				
73) Bromofluorobenzene	14.89	95	159433	18.45	ug/L		0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 92.25% ✓				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.70	85	187132	24.26	ug/L		98
3) Chloromethane	1.97	50	157011	20.29	ug/L		99
4) Vinyl Chloride	2.03	62	159478	20.14	ug/L		98
5) Bromomethane	2.48	94	103212	25.19	ug/L		97
6) Chloroethane	2.57	64	81349	20.96	ug/L		98
7) t-Butyl alcohol (TBA)	3.89	59	66230	111.54	ug/L	#	90
8) Trichlorofluoromethane	2.89	101	295982	20.70	ug/L		95
9) Diethyl ether	3.27	74	39774	17.67	ug/L		96
10) 1,1,2-Trichlorotrifluoroet	3.46	101	108673	19.47	ug/L		99
11) Acrolein	3.42	56	45337	91.77	ug/L		99
12) Acetone	3.54	43	207157	104.36	ug/L		96
13) 1,1-Dichloroethene	3.67	96	82102	20.19	ug/L		99
14) Methyl iodide	4.13	142	72213	11.43	ug/L		99
15) Di-isopropyl ether (DIPE)	5.50	45	422803	21.07	ug/L		100
16) Methylene Chloride	4.42	84	94937	21.40	ug/L		98
17) Carbon Disulfide	4.39	76	242990	18.64	ug/L		100
18) Acrylonitrile	4.66	53	47952	25.51	ug/L		90
19) Methyl-tert-butyl ether (M	4.74	73	651685	42.41	ug/L		99
20) trans-1,2-Dichloroethene	4.91	61	197057	19.71	ug/L		97
21) 1,1-Dichloroethane	5.60	63	224358	19.67	ug/L		98
22) Vinyl acetate	5.65	43	210836	22.15	ug/L		99
23) Methyl ethyl ketone	6.32	72	55291	113.93	ug/L		94
24) Ethyl t-butyl ether (ETBE)	6.15	59	397298	21.14	ug/L		99
25) 2,2-Dichloropropane	6.48	77	158289	18.05	ug/L		91
26) cis-1,2-Dichloroethene	6.55	96	135286	20.87	ug/L		97
27) t-Amyl methyl ether (TAME)	7.87	73	295381	22.47	ug/L		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606C\C58587Q.D Vial: 8
Acq On : 26 Apr 2006 11:46 pm Operator:
Sample : L804266C3 Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 27 0:16 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	Chloroform	6.80	83	221856	20.61 ug/L	99
30)	Bromochloromethane	7.03	128	68070	19.80 ug/L	95
31)	Tetrahydrofuran	7.13	71	12143	23.15 ug/L	85
32)	1,1,1-Trichloroethane	7.39	97	199153	20.34 ug/L	95
34)	1,1-Dichloropropene	7.64	75	158893	20.39 ug/L	95
35)	Carbon Tetrachloride	7.76	119	157899	19.55 ug/L	96
37)	1,2-Dichloroethane	8.02	62	214986	20.24 ug/L	99
38)	Benzene	8.02	78	375898	20.25 ug/L	99
40)	Trichloroethene	8.95	95	138592	20.38 ug/L	94
41)	1,2-Dichloropropane	9.22	63	126817	19.81 ug/L	99
42)	Methylmethacrylate	9.36	69	83503	21.07 ug/L	96
43)	Methyl acetate	4.25	43	29777	5.10 ug/L	97
44)	Cyclohexane	7.44	56	249168	24.07 ug/L #	53
45)	Bromodichloromethane	9.56	83	177669	21.24 ug/L	98
46)	Dibromomethane	9.63	93	94589	19.35 ug/L	98
47)	1,4-Dioxane	9.63	88	31501	520.80 ug/L	99
50)	2-Chloroethylvinyl ether	10.07	63	53008	27.98 ug/L	100
51)	2-Hexanone	11.44	58	242584	113.79 ug/L	98
52)	Methyl isobutyl ketone	10.12	58	248761	113.16 ug/L	98
53)	cis-1,3-Dichloropropene	10.39	75	191427	20.11 ug/L	98
55)	Toluene	10.86	92	257986	20.11 ug/L	100
56)	trans-1,3-Dichloropropene	11.16	75	168559	18.60 ug/L	99
58)	1,1,2-Trichloroethane	11.38	83	89377	21.20 ug/L	94
59)	1,3-Dichloropropane	11.76	76	174747	21.20 ug/L	100
60)	Tetrachloroethene	11.84	166	157076	19.04 ug/L	97
61)	Dibromochloromethane	12.13	129	151483	21.31 ug/L	99
62)	1,2-Dibromoethane	12.42	107	149142	20.89 ug/L	99
64)	Chlorobenzene	13.07	112	348175	20.31 ug/L	100
65)	1,1,1,2-Tetrachloroethane	13.15	131	124614	20.50 ug/L	97
66)	Ethylbenzene	13.17	91	497955	20.10 ug/L	100
67)	m,p-Xylene	13.30	106	395307	39.80 ug/L	96
68)	o-Xylene	13.96	106	202434	21.06 ug/L	99
69)	Styrene	14.01	104	346231	20.48 ug/L	96
70)	Bromoform	14.49	173	111443	21.12 ug/L	96
71)	Isopropylbenzene	14.52	105	478745	18.77 ug/L	100
72)	1,1,2,2-Tetrachloroethane	14.79	83	140691	21.09 ug/L	99
74)	1,2,3-Trichloropropane	15.00	75	105630	21.32 ug/L	100
75)	trans-1,4-Dichloro-2-buten	15.13	89	43193	20.93 ug/L #	75
76)	n-Propylbenzene	15.14	91	612155	21.43 ug/L	98
77)	Bromobenzene	15.17	156	148044	20.15 ug/L	98
78)	1,3,5-Trimethylbenzene	15.40	105	425290	20.20 ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606C\C58587Q.D Vial: 8
Acq On : 26 Apr 2006 11:46 pm Operator:
Sample : L804266C3 Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 27 0:16 2006 Quant Results File: V804176C.RES

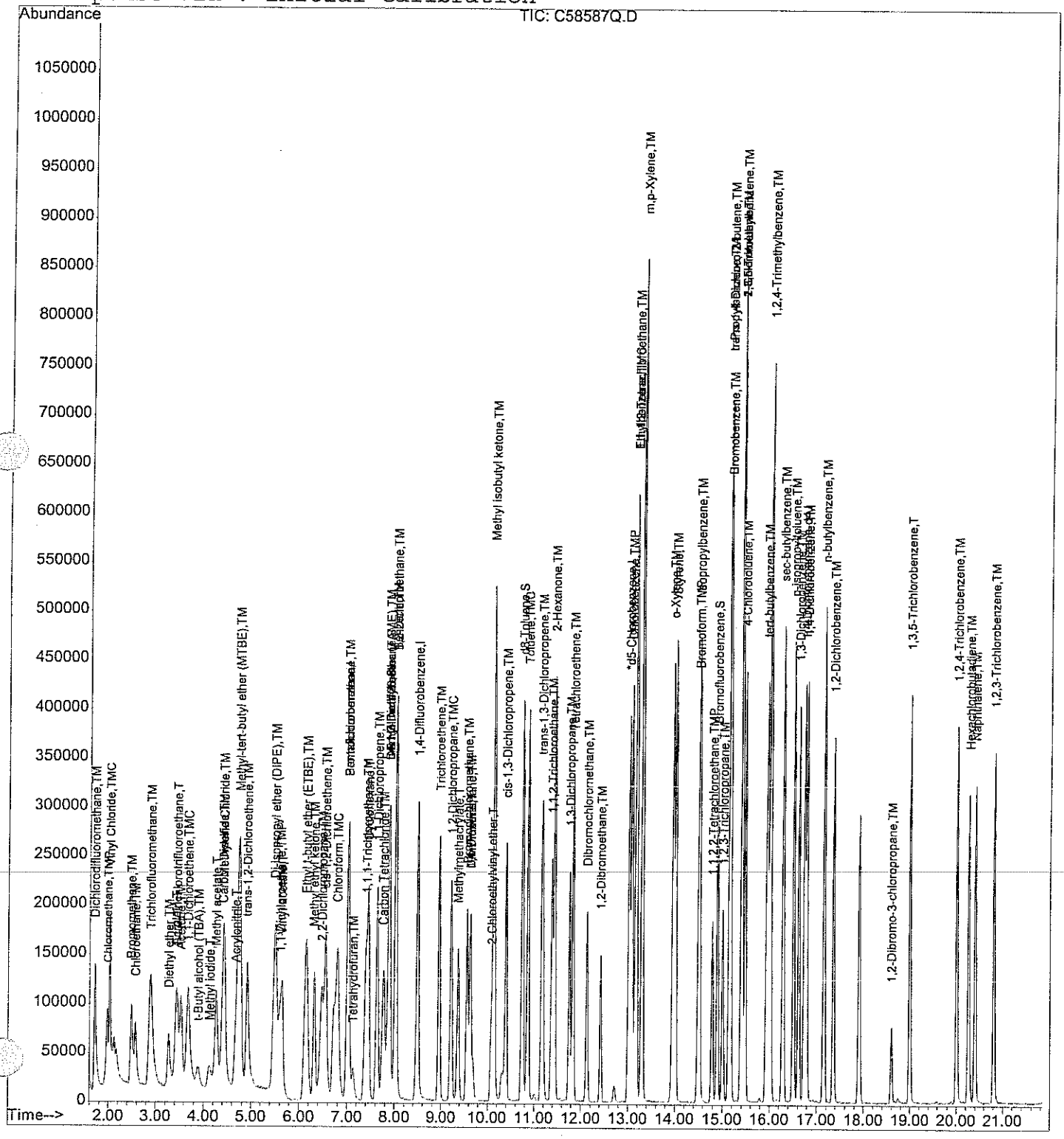
Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
79)	2-Chlorotoluene	15.40	91	407405	20.70 ug/L	99
80)	4-Chlorotoluene	15.48	91	364965	20.19 ug/L	98
81)	tert-butylbenzene	15.95	119	371484	19.96 ug/L	99
82)	1,2,4-Trimethylbenzene	16.00	105	425456	19.87 ug/L	99
84)	sec-butylbenzene	16.28	105	582306	20.32 ug/L	98
85)	p-isopropyltoluene	16.50	119	430096	18.69 ug/L	97
86)	1,3-Dichlorobenzene	16.62	146	247857	19.97 ug/L	97
88)	1,4-Dichlorobenzene	16.79	146	251269	20.46 ug/L	98
89)	n-butylbenzene	17.15	91	423586	20.59 ug/L	99
90)	1,2-Dichlorobenzene	17.36	146	234400	20.68 ug/L	99
92)	1,2-Dibromo-3-chloropropan	18.59	75	25325	20.92 ug/L	91
94)	1,2,4-Trichlorobenzene	20.00	180	194457	19.98 ug/L	96
95)	Hexachlorobutadiene	20.26	225	99534	20.01 ug/L	98
96)	Naphthalene	20.40	128	372042	20.95 ug/L	100
97)	1,2,3-Trichlorobenzene	20.80	180	179833	20.37 ug/L	95
98)	1,3,5-Trichlorobenzene	19.00	180	212336	19.41 ug/L	100

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042606C\C58587Q.D Vial: 8
Acq On : 26 Apr 2006 11:46 pm Operator:
Sample : L804266C3 Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 0:16 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration



analytics environmental laboratory LLC

VOLATILE ORGANIC

LABORATORY CONTROL SAMPLE

PERCENT RECOVERY

Project #:

Quote #:

SDG#: 56346

Site ID: Subbase New London Site 7

Location: CT

Instrument ID: C

GC Column: RTX-502.2

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Laboratory Cotrol Sample ID: L804266C4

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE AMT (ug/L)	LCS CONC. (ug/L)	LCS REC %	#	QC Limits %REC
Dichlorodifluoromethane	20	U	24.8	124	*	80-120
Chloromethane	20	U	22.2	111		80-120
Vinyl Chloride	20	U	21.4	107		80-120
Bromomethane	20	U	27.1	135	*	80-120
Chloroethane	20	U	20.8	104		80-120
t-Butyl alcohol (TBA)	100	U	116.0	116		70-130
Trichlorofluoromethane	20	U	21.1	105		80-120
Diethyl ether	20	U	19.5	97		80-120
Acetone	100	U	105.2	105		70-130
1,1-Dichloroethene	20	U	20.0	100		80-120
Di-isopropyl ether (DIPE)	20	U	20.2	101		80-120
Methylene Chloride	20	U	22.3	111		80-120
Carbon Disulfide	20	U	18.6	93		80-120
Methyl-tert-butyl ether (MTBE)	40	U	43.3	108		80-120
trans-1,2-Dichloroethene	20	U	19.8	99		80-120
1,1-Dichloroethane	20	U	20.4	102		80-120
Methyl ethyl ketone	100	U	116.9	117		70-130
Ethyl t-butyl ether (ETBE)	20	U	21.6	108		80-120
2,2-Dichloropropane	20	U	19.5	97		80-120
cis-1,2-Dichloroethene	20	U	21.6	108		80-120
t-Amyl methyl ether (TAME)	20	U	22.4	112		80-120
Chloroform	20	U	21.2	106		80-120
Bromochloromethane	20	U	21.4	107		80-120
Tetrahydrofuran	20	U	25.0	125		70-130
1,1,1-Trichloroethane	20	U	20.6	103		80-120
1,1-Dichloropropene	20	U	21.1	105		80-120
Carbon Tetrachloride	20	U	19.7	99		80-120
1,2-Dichloroethane	20	U	20.6	103		80-120
Benzene	20	U	20.5	103		80-120
Trichloroethene	20	U	21.1	106		80-120
1,2-Dichloropropane	20	U	20.5	103		80-120
Bromodichloromethane	20	U	21.8	109		80-120
Dibromomethane	20	U	21.4	107		80-120
2-Hexanone	100	U	120.0	120		70-130
Methyl isobutyl ketone	100	U	120.6	121		70-130
cis-1,3-Dichloropropene	20	U	20.4	102		80-120
Toluene	20	U	21.2	106		80-120
trans-1,3-Dichloropropene	20	U	18.7	94		80-120
1,1,2-Trichloroethane	20	U	21.9	110		80-120
1,3-Dichloropropane	20	U	21.7	109		80-120
Tetrachloroethene	20	U	19.4	97		80-120
Dibromochloromethane	20	U	21.6	108		80-120
1,2-Dibromoethane	20	U	22.1	111		80-120
Chlorobenzene	20	U	21.1	106		80-120
1,1,1,2-Tetrachloroethane	20	U	20.9	105		80-120
Ethylbenzene	20	U	21.0	105		80-120
m,p-Xylene	40	U	41.8	104		80-120

analytics environmental laboratory LLC

VOLATILE ORGANIC

LABORATORY CONTROL SAMPLE

PERCENT RECOVERY

Project #:

Quote #:

SDG#: 56346

Site ID: Subbase New London Site 7

Location: CT

Instrument ID: C

GC Column: RTX-502.2

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Laboratory Cotrol Sample ID: L804266C4

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE AMT (ug/L)	LCS CONC. (ug/L)	LCS REC %	#	QC Limits %REC
o-Xylene	20	U	21.5	108		80-120
Styrene	20	U	21.0	105		80-120
Bromoform	20	U	21.7	108		80-120
Isopropylbenzene	20	U	19.7	99		80-120
1,1,2,2-Tetrachloroethane	20	U	22.0	110		80-120
1,2,3-Trichloropropane	20	U	22.3	112		80-120
n-Propylbenzene	20	U	22.2	111		80-120
Bromobenzene	20	U	20.7	103		80-120
1,3,5-Trimethylbenzene	20	U	20.4	102		80-120
2-Chlorotoluene	20	U	20.9	105		80-120
4-Chlorotoluene	20	U	20.8	104		80-120
tert-butylbenzene	20	U	21.1	106		80-120
1,2,4-Trimethylbenzene	20	U	20.8	104		80-120
sec-butylbenzene	20	U	21.4	107		80-120
p-isopropyltoluene	20	U	19.8	99		80-120
1,3-Dichlorobenzene	20	U	19.9	100		80-120
1,4-Dichlorobenzene	20	U	21.5	108		80-120
n-butylbenzene	20	U	21.6	108		80-120
1,2-Dichlorobenzene	20	U	21.4	107		80-120
1,2-Dibromo-3-chloropropane	20	U	22.8	114		80-120
1,2,4-Trichlorobenzene	20	U	21.4	107		80-120
Hexachlorobutadiene	20	U	22.0	110		80-120
Naphthalene	20	U	22.8	114		80-120
1,2,3-Trichlorobenzene	20	U	21.9	109		80-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 2 out of 71 outside limits

Comments: _____

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606C\C58588Q.D Vial: 9
Acq On : 26 Apr 2006 12:19 am Operator:
Sample : L804266C4 Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 27 0:19 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/27/06 4/27/06 SL ✓

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.01	168	228487	20.00	ug/L	0.00
39) 1,4-Difluorobenzene	8.49	114	379095	20.00	ug/L	0.00
63) *d5-Chlorobenzene	13.01	117	339528 ✓	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.74	152	162721	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.88	65	174484	19.21	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 96.05% ✓			
36) d4-1,2-Dichloroethane	7.88	65	174484	19.21	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 96.05% ✓			
54) d8-Toluene	10.74	98	419874	19.79	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.95% ✓			
73) Bromofluorobenzene	14.89	95	166861	19.34	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 96.70% ✓			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.69	85	191447	24.84	ug/L	97
3) Chloromethane	1.95	50	171864	22.23	ug/L	96
4) Vinyl Chloride	2.02	62	169249	21.40	ug/L	99
5) Bromomethane	2.46	94	110890	27.09	ug/L	95
6) Chloroethane	2.56	64	80769	20.84	ug/L	100
7) t-Butyl alcohol (TBA)	3.87	59	68780	115.96	ug/L	98
8) Trichlorofluoromethane	2.87	101	300739	21.05	ug/L	99
9) Diethyl ether	3.26	74	43755	19.45	ug/L	96
10) 1,1,2-Trichlorotrifluoroet	3.43	101	108324	19.43	ug/L	98
11) Acrolein	3.42	56	48872	99.02	ug/L	96
12) Acetone	3.53	43	208700	105.25	ug/L	96
13) 1,1-Dichloroethene	3.66	96	81358	20.02	ug/L	98
14) Methyl iodide	4.10	142	103363	16.37	ug/L	97
15) Di-isopropyl ether (DIPE)	5.50	45	405161	20.21	ug/L	99
16) Methylene Chloride	4.41	84	98707	22.28	ug/L	97
17) Carbon Disulfide	4.37	76	242777	18.65	ug/L	100
18) Acrylonitrile	4.65	53	47729	25.42	ug/L #	90
19) Methyl-tert-butyl ether (M	4.73	73	665284	43.34	ug/L	99
20) trans-1,2-Dichloroethene	4.90	61	198114	19.83	ug/L	98
21) 1,1-Dichloroethane	5.59	63	232432	20.40	ug/L	98
22) Vinyl acetate	5.64	43	213534	22.45	ug/L	99
23) Methyl ethyl ketone	6.31	72	56671	116.89	ug/L	95
24) Ethyl t-butyl ether (ETBE)	6.14	59	405959	21.62	ug/L	100
25) 2,2-Dichloropropane	6.46	77	170592	19.48	ug/L	95
26) cis-1,2-Dichloroethene	6.53	96	139704	21.57	ug/L	97
27) t-Amyl methyl ether (TAME)	7.88	73	293895	22.38	ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606C\C58588Q.D Vial: 9
Acq On : 26 Apr 2006 12:19 am Operator:
Sample : L804266C4 Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 27 0:19 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	Chloroform	6.79	83	228062	21.21 ug/L	94
30)	Bromochloromethane	7.03	128	73519	21.41 ug/L	98
31)	Tetrahydrofuran	7.13	71	13101	25.00 ug/L	90
32)	1,1,1-Trichloroethane	7.38	97	201077	20.55 ug/L	96
34)	1,1-Dichloropropene	7.63	75	164179	21.09 ug/L	97
35)	Carbon Tetrachloride	7.77	119	159172	19.73 ug/L	98
37)	1,2-Dichloroethane	8.01	62	218691	20.61 ug/L	97
38)	Benzene	8.01	78	380496	20.52 ug/L	99
40)	Trichloroethene	8.95	95	140916	21.14 ug/L	95
41)	1,2-Dichloropropane	9.22	63	128719	20.51 ug/L	99
42)	Methylmethacrylate	9.36	69	89908	23.14 ug/L	98
43)	Methyl acetate	4.23	43	23620	4.12 ug/L #	89
44)	Cyclohexane	7.44	56	257882	25.41 ug/L #	52
45)	Bromodichloromethane	9.56	83	179092	21.84 ug/L	98
46)	Dibromomethane	9.62	93	102674	21.42 ug/L	95
47)	1,4-Dioxane	9.63	88	34235	577.37 ug/L	99
50)	2-Chloroethylvinyl ether	10.07	63	70490	37.95 ug/L	100
51)	2-Hexanone	11.43	58	250738	119.97 ug/L	97
52)	Methyl isobutyl ketone	10.12	58	259900	120.60 ug/L	98
53)	cis-1,3-Dichloropropene	10.39	75	190521	20.41 ug/L	99
55)	Toluene	10.86	92	266494	21.19 ug/L	97
56)	trans-1,3-Dichloropropene	11.16	75	166235	18.72 ug/L	96
58)	1,1,2-Trichloroethane	11.38	83	90721	21.95 ug/L	98
59)	1,3-Dichloropropane	11.76	76	175411	21.70 ug/L	98
60)	Tetrachloroethene	11.84	166	156842	19.40 ug/L	96
61)	Dibromochloromethane	12.13	129	150721	21.63 ug/L	97
62)	1,2-Dibromoethane	12.42	107	154946	22.13 ug/L	97
64)	Chlorobenzene	13.07	112	361557	21.12 ug/L	100
65)	1,1,1,2-Tetrachloroethane	13.15	131	127093	20.94 ug/L	96
66)	Ethylbenzene	13.17	91	520501	21.04 ug/L	99
67)	m,p-Xylene	13.29	106	414218	41.77 ug/L	97
68)	o-Xylene	13.95	106	206432	21.51 ug/L	100
69)	Styrene	14.01	104	354961	21.03 ug/L	96
70)	Bromoform	14.49	173	114175	21.68 ug/L	99
71)	Isopropylbenzene	14.52	105	502166	19.72 ug/L	100
72)	1,1,2,2-Tetrachloroethane	14.79	83	146430	21.99 ug/L	99
74)	1,2,3-Trichloropropane	15.00	75	110541	22.35 ug/L	97
75)	trans-1,4-Dichloro-2-buten	15.13	89	43115	20.93 ug/L #	74
76)	n-Propylbenzene	15.14	91	633783	22.22 ug/L	97
77)	Bromobenzene	15.17	156	151840	20.70 ug/L	97
78)	1,3,5-Trimethylbenzene	15.40	105	429570	20.44 ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606C\C58588Q.D Vial: 9
Acq On : 26 Apr 2006 12:19 am Operator:
Sample : L804266C4 Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 27 0:19 2006 Quant Results File: V804176C.RES

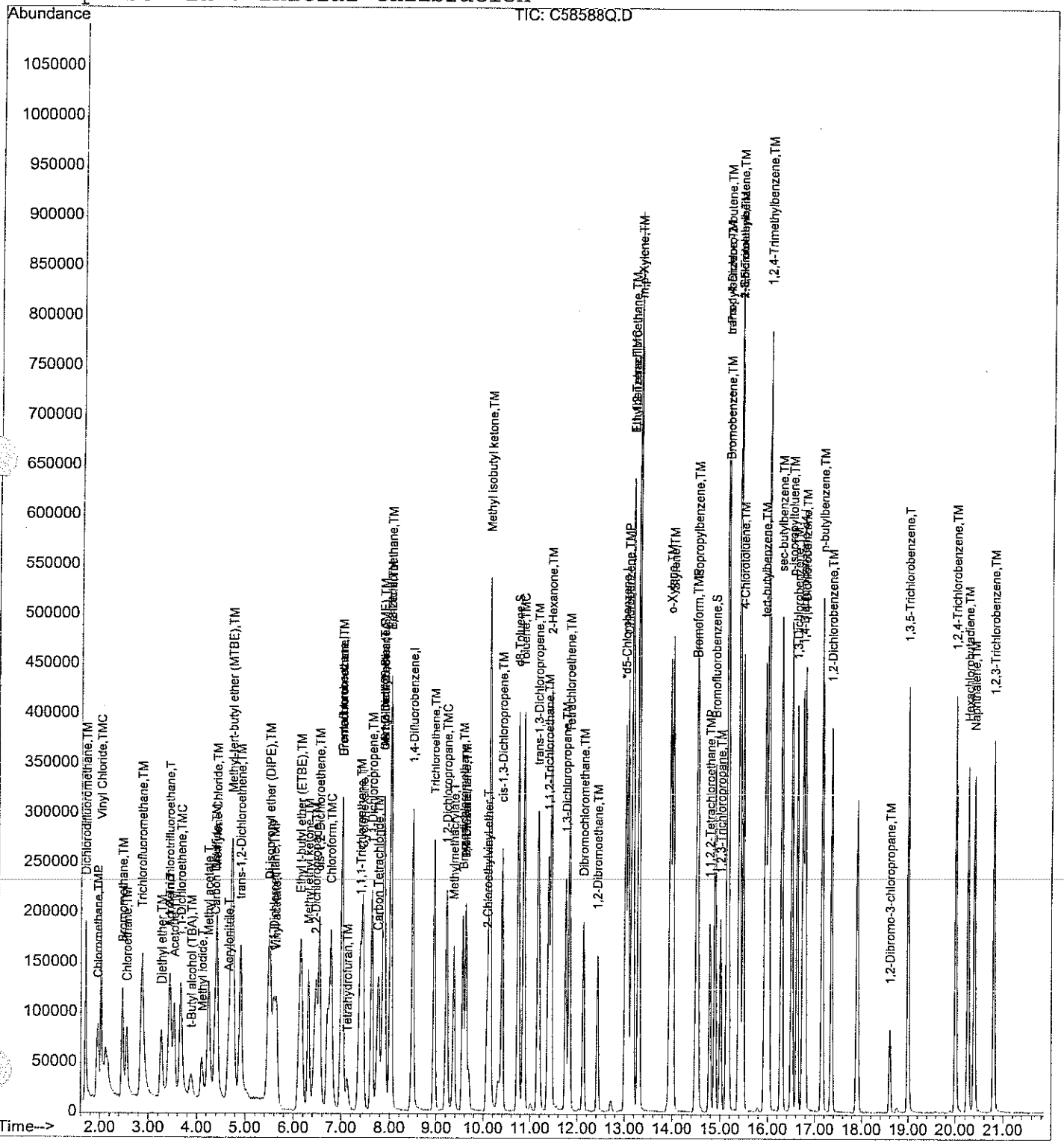
Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
79)	2-Chlorotoluene	15.40	91	410843	20.90	ug/L		99
80)	4-Chlorotoluene	15.48	91	376130	20.84	ug/L		100
81)	tert-butylbenzene	15.95	119	392631	21.13	ug/L		99
82)	1,2,4-Trimethylbenzene	16.01	105	443904	20.77	ug/L		100
84)	sec-butylbenzene	16.29	105	613216	21.43	ug/L		98
85)	p-isopropyltoluene	16.50	119	454632	19.78	ug/L		99
86)	1,3-Dichlorobenzene	16.61	146	247166	19.94	ug/L		98
88)	1,4-Dichlorobenzene	16.79	146	261839	21.54	ug/L		98
89)	n-butylbenzene	17.15	91	440517	21.62	ug/L		100
90)	1,2-Dichlorobenzene	17.36	146	239678	21.36	ug/L		99
92)	1,2-Dibromo-3-chloropropan	18.60	75	27328	22.80	ug/L	#	81
94)	1,2,4-Trichlorobenzene	20.01	180	206422	21.42	ug/L		94
95)	Hexachlorobutadiene	20.26	225	108379	22.01	ug/L		97
96)	Naphthalene	20.40	128	400751	22.79	ug/L		100
97)	1,2,3-Trichlorobenzene	20.80	180	191086	21.86	ug/L		96
98)	1,3,5-Trichlorobenzene	19.00	180	221587	20.46	ug/L		99

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042606C\C58588Q.D Vial: 9
Acq On : 26 Apr 2006 12:19 am Operator:
Sample : L804266C4 Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 0:19 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration



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MT 4/27/06
Time stamp error
4/27/06

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analytics environmental laboratory LLC

VOLATILE ORGANIC

MATRIX SPIKE/DUPLICATE

PERCENT RECOVERY

Project #:

Quote #:

SDG#: 56346

Site ID: Subbase New London Site 7

Location: CT

Instrument ID: C

GC Column: RTX-502.2

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Matrix Spike/Duplicate Sample ID: 56346-1

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE AMT (ug/L)	MS CONC. (ug/L)	MS REC %	#	MSD CONC. (ug/L)	MSD REC %	#	RPD	#	QC LIMITS RPD	QC LIMITS % REC.
Dichlorodifluoromethane	20	U	21.8	109		21.6	108		1		15	70-130
Chloromethane	20	U	20.2	101		19.4	97		4		15	70-130
Vinyl Chloride	20	U	18.9	94		20.2	101		7		15	70-130
Bromomethane	20	U	23.1	115		25.8	129		11		15	70-130
Chloroethane	20	U	19.1	96		19.3	97		1		15	70-130
t-Butyl alcohol (TBA)	100	U	94.2	94		90.2	90		4		15	70-130
Trichlorofluoromethane	20	U	19.3	97		19.7	98		2		15	70-130
Diethyl ether	20	U	17.1	85		16.8	84		1		15	70-130
Acetone	100	U	90.7	91		92.4	92		2		15	70-130
1,1-Dichloroethene	20	U	17.7	88		18.5	92		4		15	70-130
Di-isopropyl ether (DIPE)	20	U	20.2	101		20.6	103		2		15	70-130
Methylene Chloride	20	U	19.9	100		20.9	104		5		15	70-130
Carbon Disulfide	20	U	16.2	81		16.2	81		0		15	70-130
Methyl-tert-butyl ether (MTBE)	40	U	39.3	98		39.5	99		0		15	70-130
trans-1,2-Dichloroethene	20	U	18.1	90		18.5	92		2		15	70-130
1,1-Dichloroethane	20	U	19.3	96		19.4	97		1		15	70-130
Methyl ethyl ketone	100	U	102.7	103		97.2	97		6		15	70-130
Ethyl t-butyl ether (ETBE)	20	U	19.9	99		20.0	100		1		15	70-130
2,2-Dichloropropane	20	U	18.4	92		18.7	93		2		15	70-130
cis-1,2-Dichloroethene	20	U	20.6	103		20.3	102		1		15	70-130
t-Amyl methyl ether (TAME)	20	U	20.7	104		20.9	104		1		15	70-130
Chloroform	20	U	20.2	101		20.1	101		0		15	70-130
Bromochloromethane	20	U	19.9	100		20.8	104		5		15	70-130
Tetrahydrofuran	20	U	20.8	104		19.5	97		6		15	70-130
1,1,1-Trichloroethane	20	U	19.1	95		19.3	97		1		15	70-130
1,1-Dichloropropene	20	U	19.1	95		19.5	97		2		15	70-130
Carbon Tetrachloride	20	U	18.9	94		19.4	97		3		15	70-130
1,2-Dichloroethane	20	U	19.2	96		19.8	99		3		15	70-130
Benzene	20	U	19.3	97		20.1	100		4		15	70-130
Trichloroethene	20	U	20.0	100		19.8	99		1		15	70-130
1,2-Dichloropropane	20	U	19.5	98		19.4	97		1		15	70-130
Bromodichloromethane	20	U	20.6	103		20.6	103		0		15	70-130
Dibromomethane	20	U	20.8	104		20.8	104		0		15	70-130
2-Hexanone	100	U	105.6	106		100.6	101		5		15	70-130
Methyl isobutyl ketone	100	U	103.7	104		101.8	102		2		15	70-130
cis-1,3-Dichloropropene	20	U	19.6	98		19.4	97		1		15	70-130
Toluene	20	U	20.3	101		20.1	101		1		15	70-130
trans-1,3-Dichloropropene	20	U	18.0	90		18.1	91		1		15	70-130
1,1,2-Trichloroethane	20	U	21.2	106		20.5	103		3		15	70-130
1,3-Dichloropropane	20	U	20.4	102		20.4	102		0		15	70-130
Tetrachloroethene	20	U	19.0	95		18.9	94		1		15	70-130
Dibromochloromethane	20	U	20.4	102		20.5	103		1		15	70-130
1,2-Dibromoethane	20	U	19.9	100		20.1	100		1		15	70-130
Chlorobenzene	20	U	20.2	101		20.2	101		0		15	70-130
1,1,1,2-Tetrachloroethane	20	U	20.4	102		20.3	101		1		15	70-130
Ethylbenzene	20	U	20.4	102		20.5	102		0		15	70-130
m,p-Xylene	40	U	39.4	98		40.4	101		3		15	70-130

analytics environmental laboratory LLC

VOLATILE ORGANIC

MATRIX SPIKE/DUPLICATE

PERCENT RECOVERY

Project #:

Quote #:

SDG#: 56346

Site ID: Subbase New London Site 7

Location: CT

Instrument ID: C

GC Column: RTX-502.2

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Matrix Spike/Duplicate Sample ID: 56346-1

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE AMT (ug/L)	MS CONC. (ug/L)	MS REC %	#	MSD CONC. (ug/L)	MSD REC %	#	RPD	#	QC LIMITS RPD	QC LIMITS % REC.
o-Xylene	20	U	20.1	100		20.4	102		2		15	70-130
Styrene	20	U	20.0	100		20.1	100		0		15	70-130
Bromoform	20	U	19.5	98		19.9	100		2		15	70-130
Isopropylbenzene	20	U	18.7	93		18.7	94		0		15	70-130
1,1,2,2-Tetrachloroethane	20	U	19.7	99		19.7	98		0		15	70-130
1,2,3-Trichloropropane	20	U	19.1	95		19.7	99		3		15	70-130
n-Propylbenzene	20	U	20.9	104		21.4	107		3		15	70-130
Bromobenzene	20	U	19.1	95		20.0	100		4		15	70-130
1,3,5-Trimethylbenzene	20	U	19.1	95		20.6	103		7		15	70-130
2-Chlorotoluene	20	U	18.9	95		20.4	102		7		15	70-130
4-Chlorotoluene	20	U	19.6	98		19.5	97		1		15	70-130
tert-butylbenzene	20	U	19.3	97		19.0	95		1		15	70-130
1,2,4-Trimethylbenzene	20	U	19.7	99		20.1	100		2		15	70-130
sec-butylbenzene	20	U	19.8	99		20.0	100		1		15	70-130
p-isopropyltoluene	20	U	18.6	93		18.7	93		0		15	70-130
1,3-Dichlorobenzene	20	U	19.3	97		19.0	95		2		15	70-130
1,4-Dichlorobenzene	20	U	20.4	102		20.8	104		2		15	70-130
n-butylbenzene	20	U	20.4	102		20.8	104		2		15	70-130
1,2-Dichlorobenzene	20	U	20.8	104		20.5	102		1		15	70-130
1,2-Dibromo-3-chloropropane	20	U	19.7	99		19.4	97		2		15	70-130
1,2,4-Trichlorobenzene	20	U	19.2	96		19.1	96		0		15	70-130
Hexachlorobutadiene	20	U	18.9	95		19.5	98		3		15	70-130
Naphthalene	20	U	18.9	95		18.9	94		0		15	70-130
1,2,3-Trichlorobenzene	20	U	18.7	93		18.1	90		3		15	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 71 outside limits

Spike Recovery: 0 out of 142 outside limits

Comments: _____

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606C\C58593SP.D Vial: 14
Acq On : 27 Apr 2006 3:13 am Operator:
Sample : 56346-1,MS Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 27 9:23 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

4/27/06 SL ✓ MT 4/27/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.00	168	242183	20.00	ug/L	-0.01
39) 1,4-Difluorobenzene	8.49	114	390006	20.00	ug/L	0.00
63) *d5-Chlorobenzene	13.01	117	346931 ✓	20.00	ug/L	-0.01
87) 1,4-Dichlorobenzene-d4	16.74	152	162110	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.87	65	178501	18.55	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 92.75% ✓			
36) d4-1,2-Dichloroethane	7.87	65	178501	18.55	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 92.75% ✓			
54) d8-Toluene	10.74	98	439686	20.15	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.75% ✓			
73) Bromofluorobenzene	14.89	95	164939	18.71	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 93.55% ✓			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.70	85	178055	21.80	ug/L	98
3) Chloromethane	1.95	50	165149	20.15	ug/L	94
4) Vinyl Chloride	2.03	62	158106	18.86	ug/L	98
5) Bromomethane	2.48	94	100140	23.08	ug/L	99
6) Chloroethane	2.57	64	78504	19.11	ug/L	96
7) t-Butyl alcohol (TBA)	3.88	59	59218	94.19	ug/L	100
8) Trichlorofluoromethane	2.87	101	292703	19.33	ug/L	99
9) Diethyl ether	3.27	74	40687	17.07	ug/L	95
10) 1,1,2-Trichlorotrifluoroet	3.44	101	99908	16.90	ug/L	99
11) Acrolein	3.42	56	44042	84.19	ug/L	97
12) Acetone	3.53	43	190658	90.71	ug/L	97
13) 1,1-Dichloroethene	3.68	96	76028	17.65	ug/L	100
14) Methyl iodide	4.11	142	100979	15.09	ug/L	96
15) Di-isopropyl ether (DIPE)	5.50	45	429995	20.24	ug/L	100
16) Methylene Chloride	4.42	84	93531	19.92	ug/L	98
17) Carbon Disulfide	4.38	76	224199	16.25	ug/L	100
18) Acrylonitrile	4.66	53	45017	22.62	ug/L	95
19) Methyl-tert-butyl ether (M	4.73	73	639009	39.28	ug/L	99
20) trans-1,2-Dichloroethene	4.90	61	191645	18.10	ug/L	99
21) 1,1-Dichloroethane	5.59	63	232562	19.25	ug/L	99
22) Vinyl acetate	5.64	43	221873	22.01	ug/L	99
23) Methyl ethyl ketone	6.30	72	52799	102.75	ug/L	100
24) Ethyl t-butyl ether (ETBE)	6.15	59	395547	19.87	ug/L	99
25) 2,2-Dichloropropane	6.46	77	170661	18.38	ug/L	97
26) cis-1,2-Dichloroethene	6.54	96	141334	20.59	ug/L	98
27) t-Amyl methyl ether (TAME)	7.86	73	288594	20.73	ug/L	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606C\C58593SP.D Vial: 14
Acq On : 27 Apr 2006 3:13 am Operator:
Sample : 56346-1,MS Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 27 9:23 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29) Chloroform	6.79	83	229645	20.15 ug/L	97
30) Bromochloromethane	7.02	128	72451	19.90 ug/L	97
31) Tetrahydrofuran	7.12	71	11536	20.77 ug/L	93
32) 1,1,1-Trichloroethane	7.39	97	197777	19.07 ug/L	98
34) 1,1-Dichloropropene	7.63	75	157311	19.07 ug/L	99
35) Carbon Tetrachloride	7.76	119	161565	18.89 ug/L	98
37) 1,2-Dichloroethane	8.01	62	216236	19.22 ug/L	98
38) Benzene	8.02	78	379959	19.33 ug/L	99
40) Trichloroethene	8.96	95	136925	19.96 ug/L	97
41) 1,2-Dichloropropane	9.21	63	126083	19.53 ug/L	99
42) Methylmethacrylate	9.36	69	76705	19.19 ug/L	97
43) Methyl acetate	4.23	43	24743	4.20 ug/L #	95
44) Cyclohexane	7.45	56	248380	23.79 ug/L #	53
45) Bromodichloromethane	9.56	83	173852	20.61 ug/L	100
46) Dibromomethane	9.63	93	102657	20.82 ug/L	94
47) 1,4-Dioxane	9.63	88	27447	449.94 ug/L	97
51) 2-Hexanone	11.43	58	227040	105.59 ug/L	94
52) Methyl isobutyl ketone	10.12	58	230025	103.75 ug/L	100
53) cis-1,3-Dichloropropene	10.40	75	188387	19.62 ug/L	97
55) Toluene	10.86	92	262586	20.30 ug/L	93
56) trans-1,3-Dichloropropene	11.16	75	164621	18.02 ug/L	99
58) 1,1,2-Trichloroethane	11.37	83	89967	21.15 ug/L	94
59) 1,3-Dichloropropane	11.76	76	169289	20.36 ug/L	100
60) Tetrachloroethene	11.84	166	158137	19.01 ug/L	97
61) Dibromochloromethane	12.12	129	145983	20.36 ug/L	99
62) 1,2-Dibromoethane	12.42	107	143429	19.92 ug/L	99
64) Chlorobenzene	13.07	112	353404	20.21 ug/L	99
65) 1,1,1,2-Tetrachloroethane	13.15	131	126715	20.43 ug/L	98
66) Ethylbenzene	13.17	91	514830	20.37 ug/L	97
67) m,p-Xylene	13.30	106	398974	39.37 ug/L	100
68) o-Xylene	13.96	106	197123	20.10 ug/L	92
69) Styrene	14.01	104	345590	20.04 ug/L	97
70) Bromoform	14.49	173	105025	19.51 ug/L	94
71) Isopropylbenzene	14.52	105	485433	18.65 ug/L	100
72) 1,1,2,2-Tetrachloroethane	14.78	83	134149	19.72 ug/L	98
74) 1,2,3-Trichloropropane	15.01	75	96425	19.08 ug/L	98
75) trans-1,4-Dichloro-2-buten	15.14	89	42445	20.16 ug/L #	75
76) n-Propylbenzene	15.14	91	608905	20.90 ug/L	99
77) Bromobenzene	15.17	156	143041	19.08 ug/L	94
78) 1,3,5-Trimethylbenzene	15.40	105	409767	19.08 ug/L	100
79) 2-Chlorotoluene	15.40	91	380316	18.94 ug/L	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606C\C58593SP.D Vial: 14
Acq On : 27 Apr 2006 3:13 am Operator:
Sample : 56346-1,MS Inst : Instr_C
Misc : 5000 Multiplr: 1.00
IS Integration Params: rteint.p
Quant Time: Apr 27 9:23 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

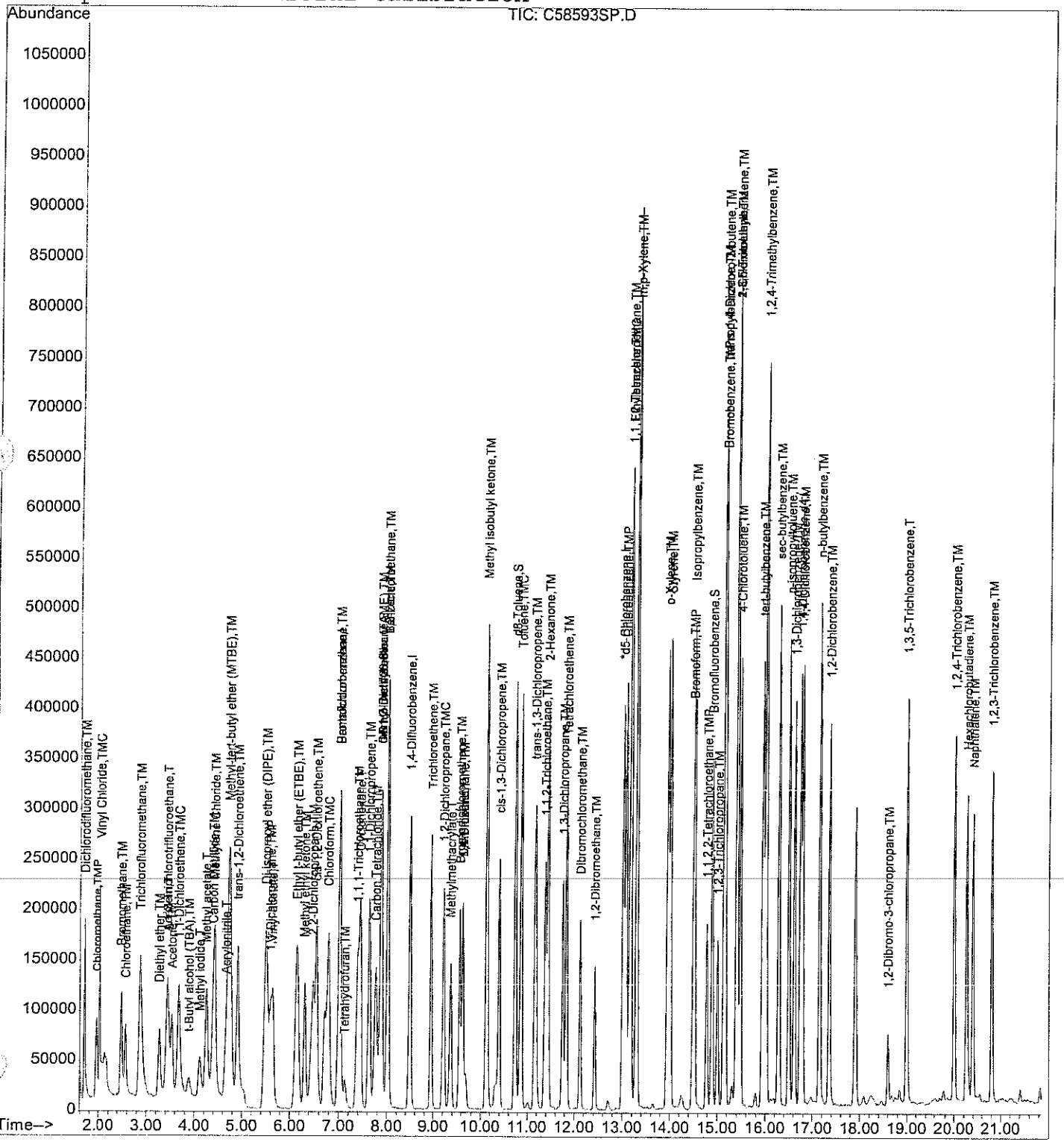
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
80)	4-Chlorotoluene	15.47	91	361695	19.61	ug/L		97
81)	tert-butylbenzene	15.95	119	366922	19.33	ug/L		99
82)	1,2,4-Trimethylbenzene	16.01	105	431003	19.73	ug/L		98
84)	sec-butylbenzene	16.28	105	579446	19.82	ug/L		99
85)	p-isopropyltoluene	16.51	119	436913	18.61	ug/L		97
86)	1,3-Dichlorobenzene	16.62	146	244692	19.32	ug/L		98
88)	1,4-Dichlorobenzene	16.79	146	246914	20.38	ug/L		99
89)	n-butylbenzene	17.15	91	414732	20.43	ug/L		99
90)	1,2-Dichlorobenzene	17.36	146	232085	20.76	ug/L		99
92)	1,2-Dibromo-3-chloropropan	18.60	75	23553	19.73	ug/L	#	75
94)	1,2,4-Trichlorobenzene	20.01	180	184047	19.17	ug/L		97
95)	Hexachlorobutadiene	20.26	225	92847	18.92	ug/L		100
96)	Naphthalene	20.39	128	331360	18.92	ug/L		100
97)	1,2,3-Trichlorobenzene	20.81	180	162721	18.68	ug/L		96
98)	1,3,5-Trichlorobenzene	18.99	180	201733	18.70	ug/L		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042606C\C58593SP.D Vial: 14
Acq On : 27 Apr 2006 3:13 am Operator:
Sample : 56346-1,MS Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 9:23 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606C\C58594SP.D Vial: 15
Acq On : 27 Apr 2006 3:48 am Operator:
Sample : 56346-1,MSD Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 27 9:23 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/27/06 4/27/06 SL ✓

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.00	168	239584	20.00	ug/L	-0.02
39) 1,4-Difluorobenzene	8.49	114	402966	20.00	ug/L	0.00
63) *d5-Chlorobenzene	13.02	117	349515 ✓	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.74	152	164141	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.87	65	181913	19.10	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 95.50% ✓			
36) d4-1,2-Dichloroethane	7.87	65	181913	19.10	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 95.50% ✓			
54) d8-Toluene	10.74	98	427867	18.97	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 94.85% ✓			
73) Bromofluorobenzene	14.89	95	169590	19.10	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 95.50% ✓			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.70	85	174933	21.65	ug/L	98
3) Chloromethane	1.93	50	157123	19.38	ug/L	98
4) Vinyl Chloride	2.02	62	167766	20.23	ug/L	100
5) Bromomethane	2.46	94	110836	25.82	ug/L	94
6) Chloroethane	2.56	64	78521	19.32	ug/L	97
7) t-Butyl alcohol (TBA)	3.87	59	56128	90.24	ug/L	98
8) Trichlorofluoromethane	2.86	101	294841	19.68	ug/L	97
9) Diethyl ether	3.26	74	39656	16.81	ug/L	98
10) 1,1,2-Trichlorotrifluoroet	3.44	101	105578	18.06	ug/L	98
11) Acrolein	3.41	56	48243	93.22	ug/L	98
12) Acetone	3.52	43	192124	92.40	ug/L	97
13) 1,1-Dichloroethene	3.66	96	78607	18.45	ug/L	99
14) Methyl iodide	4.10	142	115978	17.52	ug/L	97
15) Di-isopropyl ether (DIPE)	5.49	45	432720	20.59	ug/L	99
16) Methylene Chloride	4.42	84	97050	20.89	ug/L	95
17) Carbon Disulfide	4.38	76	220761	16.17	ug/L	100
18) Acrylonitrile	4.64	53	43036	21.86	ug/L	94
19) Methyl-tert-butyl ether (M	4.72	73	635280	39.47	ug/L	99
20) trans-1,2-Dichloroethene	4.90	61	193319	18.46	ug/L	99
21) 1,1-Dichloroethane	5.59	63	231376	19.36	ug/L	98
22) Vinyl acetate	5.64	43	234772	23.54	ug/L	99
23) Methyl ethyl ketone	6.30	72	49420	97.21	ug/L	94
24) Ethyl t-butyl ether (ETBE)	6.14	59	394423	20.03	ug/L	99
25) 2,2-Dichloropropane	6.46	77	171736	18.70	ug/L	97
26) cis-1,2-Dichloroethene	6.54	96	137956	20.32	ug/L	96
27) t-Amyl methyl ether (TAME)	7.87	73	287749	20.89	ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606C\C58594SP.D Vial: 15
Acq On : 27 Apr 2006 3:48 am Operator:
Sample : 56346-1,MSD Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 27 9:23 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
29)	Chloroform	6.78	83	227101	20.15 ug/L		97
30)	Bromochloromethane	7.02	128	74981	20.82 ug/L		96
31)	Tetrahydrofuran	7.12	71	10703	19.48 ug/L		86
32)	1,1,1-Trichloroethane	7.38	97	198289	19.33 ug/L		97
34)	1,1-Dichloropropene	7.63	75	159085	19.49 ug/L		97
35)	Carbon Tetrachloride	7.76	119	164437	19.43 ug/L		98
37)	1,2-Dichloroethane	8.01	62	220576	19.82 ug/L		97
38)	Benzene	8.02	78	389873	20.05 ug/L		99
40)	Trichloroethene	8.95	95	140276	19.79 ug/L		97
41)	1,2-Dichloropropane	9.22	63	129392	19.40 ug/L		98
42)	Methylmethacrylate	9.37	69	76941	18.63 ug/L		98
43)	Methyl acetate	4.22	43	21292	3.50 ug/L		97
44)	Cyclohexane	7.43	56	248356	23.02 ug/L	#	53
45)	Bromodichloromethane	9.55	83	179539	20.60 ug/L		95
46)	Dibromomethane	9.61	93	106097	20.83 ug/L		88
47)	1,4-Dioxane	9.63	88	30460	483.27 ug/L		98
51)	2-Hexanone	11.44	58	223579	100.64 ug/L		98
52)	Methyl isobutyl ketone	10.13	58	233131	101.77 ug/L		98
53)	cis-1,3-Dichloropropene	10.39	75	192318	19.39 ug/L		97
55)	Toluene	10.86	92	269340	20.15 ug/L		97
56)	trans-1,3-Dichloropropene	11.15	75	171214	18.13 ug/L		99
58)	1,1,2-Trichloroethane	11.38	83	90230	20.53 ug/L		96
59)	1,3-Dichloropropane	11.75	76	174934	20.36 ug/L		98
60)	Tetrachloroethene	11.84	166	162393	18.89 ug/L		99
61)	Dibromochloromethane	12.13	129	152164	20.54 ug/L		99
62)	1,2-Dibromoethane	12.42	107	149525	20.09 ug/L		99
64)	Chlorobenzene	13.07	112	356290	20.22 ug/L		99
65)	1,1,1,2-Tetrachloroethane	13.14	131	126779	20.29 ug/L		97
66)	Ethylbenzene	13.17	91	521100	20.46 ug/L		98
67)	m,p-Xylene	13.29	106	412495	40.41 ug/L		99
68)	o-Xylene	13.95	106	201777	20.42 ug/L		96
69)	Styrene	14.01	104	349082	20.09 ug/L		96
70)	Bromoform	14.49	173	107978	19.91 ug/L		94
71)	Isopropylbenzene	14.52	105	491385	18.74 ug/L		99
72)	1,1,2,2-Tetrachloroethane	14.78	83	134896	19.68 ug/L		98
74)	1,2,3-Trichloropropane	15.01	75	100511	19.74 ug/L		97
75)	trans-1,4-Dichloro-2-buten	15.14	89	42928	20.24 ug/L	#	74
76)	n-Propylbenzene	15.15	91	629018	21.43 ug/L		100
77)	Bromobenzene	15.16	156	150692	19.96 ug/L		92
78)	1,3,5-Trimethylbenzene	15.40	105	444890	20.56 ug/L		99
79)	2-Chlorotoluene	15.39	91	412902	20.41 ug/L		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606C\C58594SP.D Vial: 15
Acq On : 27 Apr 2006 3:48 am Operator:
Sample : 56346-1,MSD Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 27 9:23 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
80)	4-Chlorotoluene	15.48	91	361691	19.47	ug/L		100
81)	tert-butylbenzene	15.94	119	364274	19.05	ug/L		97
82)	1,2,4-Trimethylbenzene	16.00	105	441437	20.06	ug/L		100
84)	sec-butylbenzene	16.28	105	588056	19.96	ug/L		98
85)	p-isopropyltoluene	16.51	119	441686	18.67	ug/L		99
86)	1,3-Dichlorobenzene	16.61	146	242690	19.02	ug/L		97
88)	1,4-Dichlorobenzene	16.78	146	254617	20.76	ug/L		100
89)	n-butylbenzene	17.15	91	428419	20.85	ug/L		97
90)	1,2-Dichlorobenzene	17.35	146	231619	20.46	ug/L		99
92)	1,2-Dibromo-3-chloropropan	18.60	75	23465	19.41	ug/L	#	79
94)	1,2,4-Trichlorobenzene	20.01	180	185735	19.11	ug/L		98
95)	Hexachlorobutadiene	20.25	225	96880	19.50	ug/L		96
96)	Naphthalene	20.39	128	334341	18.85	ug/L		100
97)	1,2,3-Trichlorobenzene	20.81	180	159255	18.06	ug/L		99
98)	1,3,5-Trichlorobenzene	19.00	180	201275	18.42	ug/L		99

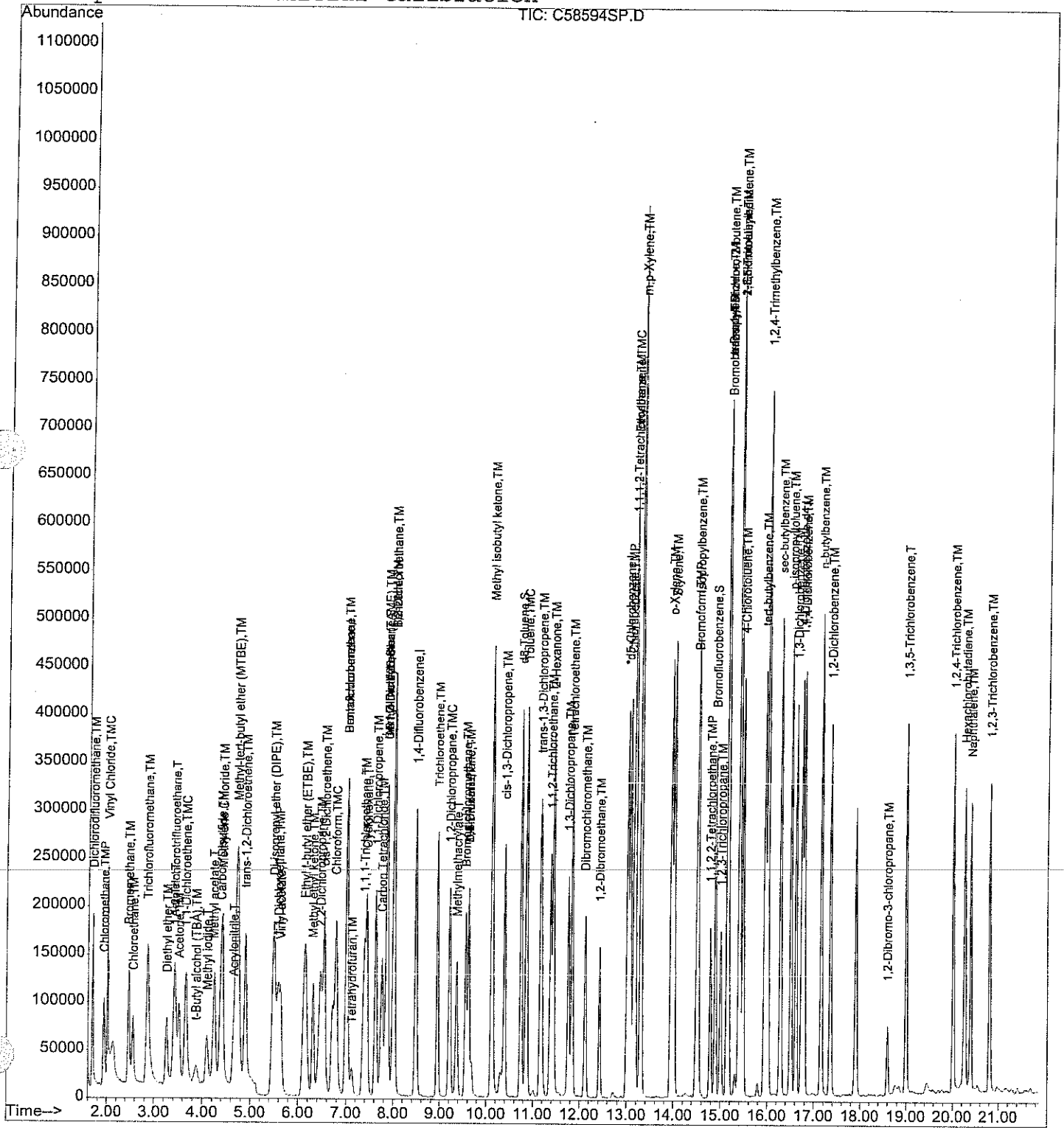
(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042606C\C58594SP.D
Acq On : 27 Apr 2006 3:48 am
Sample : 56346-1,MSD
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Apr 27 9:23 2006

Vial: 15
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration



GC/MS Volatiles Instrument: C

SS only V5959 Exp: 5/1/06
IS only V5960 Exp: 5/1/06
SS+IS V5957 Exp: 4/28/06

Voltage 1906

Threshold 100

041706-C

Tube	Method	Sample	Vol	DF	Comments	File #	LB	pH
		W-C-041706-1-MT						
1	V8041766	BFB 50ng 2ul V5942	5mL		✓	C58352T	MT	NA
2		0.2 ppb .05ml V5954 V5949				53si		
3		1 ppb .25ml			✓	54si		
4		2 ppb .5ml			for chromatography - RL	55si		
5		5 ppb 1.25ml			✓ %RSD	56si		
6		20 ppb 5ml			✓ AVG 1.88%	57si		
7		50 ppb 12.5ml			✓	58si		
8		100 ppb 25ml			✓	59si		
9		Blank				60		
10		2 ppb .5ml V5954 V5949			✓	61si		
11		L8041766 5ml V5955 V5938			✓BM ↑	62Q		
12		L8041766 7 L L			✓BM still ↑	63Q		
13		Bromoform 5ul V5943			✓	64		
14		B8041766			✓	65B		
15		56232-12			✓	66		<2
16		56240-5			✓	67		<2
1		-1			✓	68		<2
2		-2			✓	69		<2
3		-3			✓	70		<2
4		-3, MS			✓ All ok	71sp		<2
5		-3, MSD			✓	72sp		<2
6		-4	1mL		~~✓ RL 5mL~~	73		<2
8	W-C-041706-2-AMC	BFB 50ng 2ml V5942	5mL		✓	74T	AMC	NA
9		20ppb 5ml V5954 V5949			✓	75C		
10		B8041766C2			✓	76B		
11		L8041766C3			Many high failures	77Q		
12		L8041766C4			↑ bromomethane ↑ tendency	78Q		
13		56242-10			✓	79		<2
14		-11			✓	80		<2
K		-12			✓	81		<2

GC/MS Volatiles Instrument: C

IS only V5960 Exp: 5/1/06
SS+IS V5957 Exp: 4/28/06
Voltage 1906
Threshold 100

042606-C

Tube	Method	Sample	Vol	DF	Comments	File #	LB	pH
		W-C-042606-1-MT						
15	V804176C	BFB 50ng 2ml V5942	5ml		✓	C58562T	MT	NA
16		20ppb 5ml V5962 V5949	⊥		✓	63SC		
1		LS042666C	50ml/5ml		✓ VC Marg	64Q		
2		LS042662	⊥		✓	65Q		
3		Bromoform 5ml V5943	5ml		✓	66		
4		MB042666C	50ml/5ml		✓	67B		
5		56346-8	75ml/5ml		✓ T.P.	68		
6		-2			✓ 7.38	69		
7		-3			✓ 6.71	70		
8		-4			✓ 6.47	71		
9		-5			✓ 7.03	72		
10		-6			✓ 5.90	73		
11		-7	⊥		✓ 6.02	74		
12		~~-8~~ 56330-3	10ml/5ml		RR 50ml 5.34	75		
13		-4			6.04	76		
14		-5			3.90	77		
15		-6			4.99	78		
16		-7			6.56	79		
1		-30			3.55	80		
2		-32			5.03	81		
3		-33			5.13	82		
4		-36	⊥		⊥ 4.89	83	⊥	⊥
5	W-C 042606-2-AUR-2MP	BFB 50ng V5942	5ml		✓	84T	AUR	N/A
6		20ppb 5ml V5962 V5949			✓	85SC		
7		BS042662			✓	86B		
8		LS042663			✓ ↑DCDFM + ↓methylsodide Bromomethane	87Q		
9		LS042664			✓ ↑DCDFM + ↑Bromomethane	88Q		
10		56331-5			✓ T.B	89		L2
11	56333-5	~~56333-5~~ 4/27/06			✓ T.B	90		L2
12		56340-3			✓ T.B	91		L2

Revision: 04/30/02

GC/MS Volatiles Instrument: C

Cont. 042606-C

IS only ____ Exp: ____

SS+IS V4957 Exp: 4/26/06

Voltage 1906

Threshold 100

Tube	Method	Sample	Vol	DF	Comments	File #	LB	pH
13	V8041760	56346-1	5mL		√	C58592	All	<2
14	↓	-1,MS	↓		√ All OK	93		<2
15		-1,MSD			√	94		<2
16		56325-2	500µL		√	95		<2
1		-3	1mL		RR 5mL	96		<2
2		-6	250µL		RR 2.5mL	97		<2
3		56331-1	5mL		√	98		<2
4		-2	5mL		√	99		<2
5		-3			√	C58600		<2
6		-4			RR 1mL	01		<2
7		56333-1			√	02		<2
8		-2			√	03		<2
9		-3			√	04		<2
10	↓	-4	↓		√	05	↓	<2

MF 4/27/06

analytics environmental laboratory LLC

VOLATILE ORGAN
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Project #: Quote #: SDG#: 56346

BFB File ID: C58352T.D Site ID: Subbase New LondonSite 7 Location: CT

Instrument ID: C BFB Injection Date: 4/17/06

GC Column: RTX-502.2 ID: 0.25(mm) BFB Injection Time: 1130

Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	25.5
75	30.0 - 60.0% of mass 95	52.3
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.0 (0.2)1
174	Greater than 50% of m	96.5
175	5.0 - 9.0% of mass 174	7.6 (7.9)1
176	>95.0 - <101.0% of mass 174	92.7 (96.1)1
177	5.0 - 9.0% of mass 176	6.0 (6.5)2

1-Value is % mass 174 2-Value is % mass 176

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

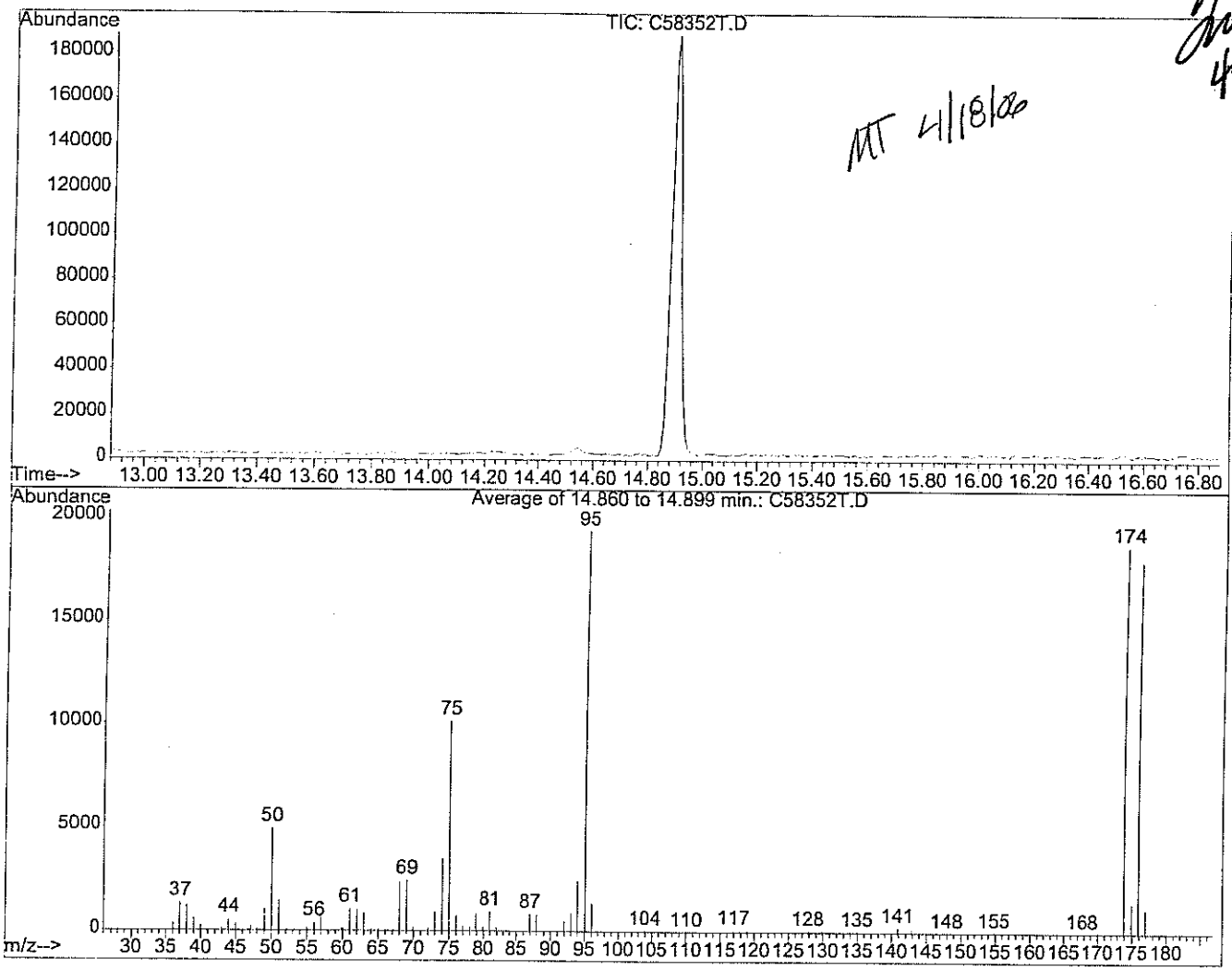
	SAMPLE NO.	LAB SAMPLE	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	0.2 PPB	0.2 PPB	C58353SI.D	04/17/06	11:56
02	1 PPB	1 PPB	C58354SI.D	04/17/06	12:21
03	ZZZZZ	ZZZZZ	C58355SI.D	04/17/06	12:56
04	5 PPB	5 PPB	C58356SI.D	04/17/06	13:11
05	20 PPB	20 PPB	C58357SI.D	04/17/06	13:44
06	50 PPB	50 PPB	C58358SI.D	04/17/06	14:24
07	100 PPB	100 PPB	C58359SI.D	04/17/06	14:24
08	ZZZZZ	ZZZZZ	C58360.D	04/17/06	15:20
09	2 PPB	2 PPB	C58361SI.D	04/17/06	15:34
10	ZZZZZ	ZZZZZ	C58362Q.D	04/17/06	16:15
11	ZZZZZ	ZZZZZ	C58363Q.D	04/17/06	16:22
12	ZZZZZ	ZZZZZ	C58364.D	04/17/06	16:55
13	ZZZZZ	ZZZZZ	C58365B.D	04/17/06	17:32
14	ZZZZZ	ZZZZZ	C58366.D	04/17/06	18:05
15	ZZZZZ	ZZZZZ	C58367.D	04/17/06	18:38
16	ZZZZZ	ZZZZZ	C58368.D	04/17/06	18:41
17	ZZZZZ	ZZZZZ	C58369.D	04/17/06	19:14
18	ZZZZZ	ZZZZZ	C58370.D	04/17/06	19:50
19	ZZZZZ	ZZZZZ	C58371SP.D	04/17/06	20:33
20	ZZZZZ	ZZZZZ	C58372SP.D	04/17/06	21:06
21	ZZZZZ	ZZZZZ	C58373.D	04/17/06	21:06
22					
23					
24					

Data File : D:\HPCHEM\1\DATA\041706C\C58352T.D
Acq On : 17 Apr 2006 11:30 am
Sample : BFB 50NG
Misc : 5000
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics

Vial: 1
Operator:
Inst : Instr_C
Multiplr: 1.00

4.18.06

MT 4/18/06



Spectrum Information: Average of 14.860 to 14.899 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.5	4956	PASS
75	95	30	60	52.3	10150	PASS
95	95	100	100	100.0	19399	PASS
96	95	5	9	7.1	1368	PASS
173	174	0.00	2	0.2	32	PASS
174	95	50	100	96.5	18721	PASS
175	174	5	9	7.9	1470	PASS
176	174	95	101	96.1	17992	PASS
177	176	5	9	6.5	1173	PASS

C58352T.D V804176C.M Mon Apr 17 13:51:21 2006

environmental laboratory LLC

VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Project #: | Quote #: | SDG#: 56346

BFB File ID: C58562T.D | Site ID: Subbase New London Site 7 | Location: CT

Instrument ID: C | BFB Injection Date: 4/26/06

GC Column: RTX-502.2 | ID: 0.25(mm) | BFB Injection Time: 0940

Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	27.5
75	30.0 - 60.0% of mass 95	50.1
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.5
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50% of mass 95	82.0
175	5.0 - 9.0% of mass 174	6.5 (7.9)1
176	>95.0 - <101.0% of mass 174	78.3 (95.4)1
177	5.0 - 9.0% of mass 176	6.0 (7.7)2

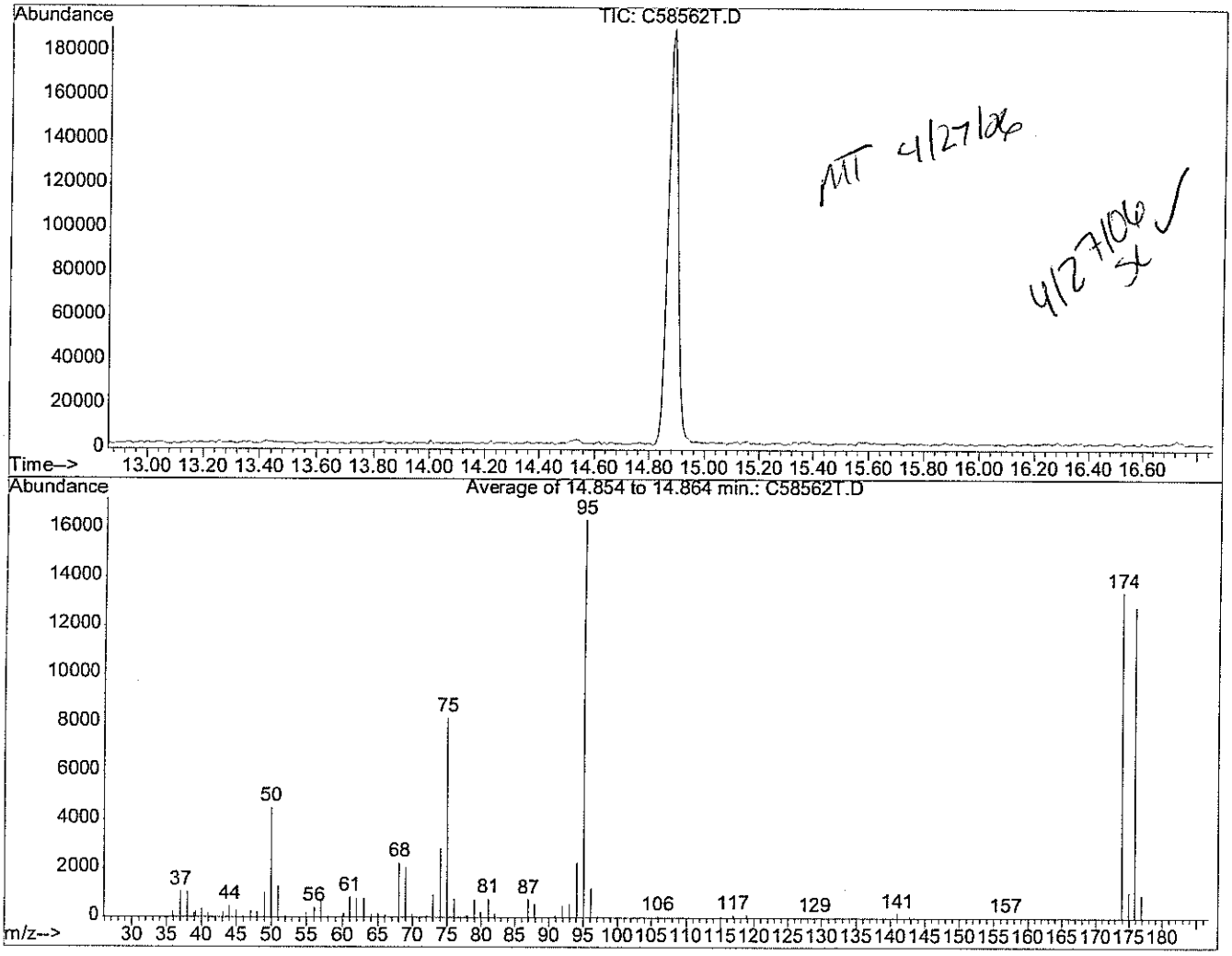
1-Value is % mass 174 2-Value is % mass 176

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	20 PPB	20 PPB	C58563SC.D	04/26/06	10:13
02	LS04266C	LS04266C	C58564Q.D	04/26/06	10:28
03	LS04266C2	LS04266C2	C58565Q.D	04/26/06	11:02
04	ZZZZZ	ZZZZZ	C58566.D	04/26/06	11:38
05	MB04266C	MB04266C	C58567B.D	04/26/06	11:47
06	56346-8	56346-8	C58568.D	04/26/06	12:28
07	56346-2	56346-2	C58569.D	04/26/06	13:01
08	56346-3	56346-3	C58570.D	04/26/06	13:19
09	56346-4	56346-4	C58571.D	04/26/06	13:53
10	56346-5	56346-5	C58572.D	04/26/06	14:31
11	56346-6	56346-6	C58573.D	04/26/06	15:07
12	56346-7	56346-7	C58574.D	04/26/06	15:07
13	ZZZZZ	ZZZZZ	C58575.D	04/26/06	16:21
14	ZZZZZ	ZZZZZ	C58576.D	04/26/06	16:21
15	ZZZZZ	ZZZZZ	C58577.D	04/26/06	16:54
16	ZZZZZ	ZZZZZ	C58578.D	04/26/06	17:27
17	ZZZZZ	ZZZZZ	C58579.D	04/26/06	18:00
18	ZZZZZ	ZZZZZ	C58580.D	04/26/06	18:28
19	ZZZZZ	ZZZZZ	C58581.D	04/26/06	19:02
20	ZZZZZ	ZZZZZ	C58582.D	04/26/06	19:35
21	ZZZZZ	ZZZZZ	C58583.D	04/26/06	20:11
22					
23					
24					

Data File : D:\HPCHEM\1\DATA\042606C\C58562T.D
Acq On : 26 Apr 2006 9:40 am
Sample : BFB 50NG
Misc : 5000
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics

Vial: 15
Operator:
Inst : Instr_C
Multiplr: 1.00



MT 4/27/06

4/27/06

Spectrum Information: Average of 14.854 to 14.864 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	27.5	4515	PASS
75	95	30	60	50.1	8218	PASS
95	95	100	100	100.0	16397	PASS
96	95	5	9	7.5	1226	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	82.0	13447	PASS
175	174	5	9	7.9	1069	PASS
176	174	95	101	95.4	12831	PASS
177	176	5	9	7.7	986	PASS

C58562T.D V804176C.M Wed Apr 26 09:55:29 2006

analytics environmental laboratory LLC

VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Project #: Quote #: SDG#: 56346

BFB File ID: C58584T.D Site ID: Subbase New London Site 7 Location: CT

Instrument ID: C BFB Injection Date: 4/26/06

GC Column: RTX-502.2 ID: 0.25(mm) BFB Injection Time: 2133

Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.8
75	30.0 - 60.0% of mass 95	47.7
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50% of mass 95	92.0
175	5.0 - 9.0% of mass 174	6.7 (7.3)1
176	>95.0 - <101.0% of mass 174	91.6 (99.6)1
177	5.0 - 9.0% of mass 176	5.9 (6.4)2

1-Value is % mass 174 2-Value is % mass 176

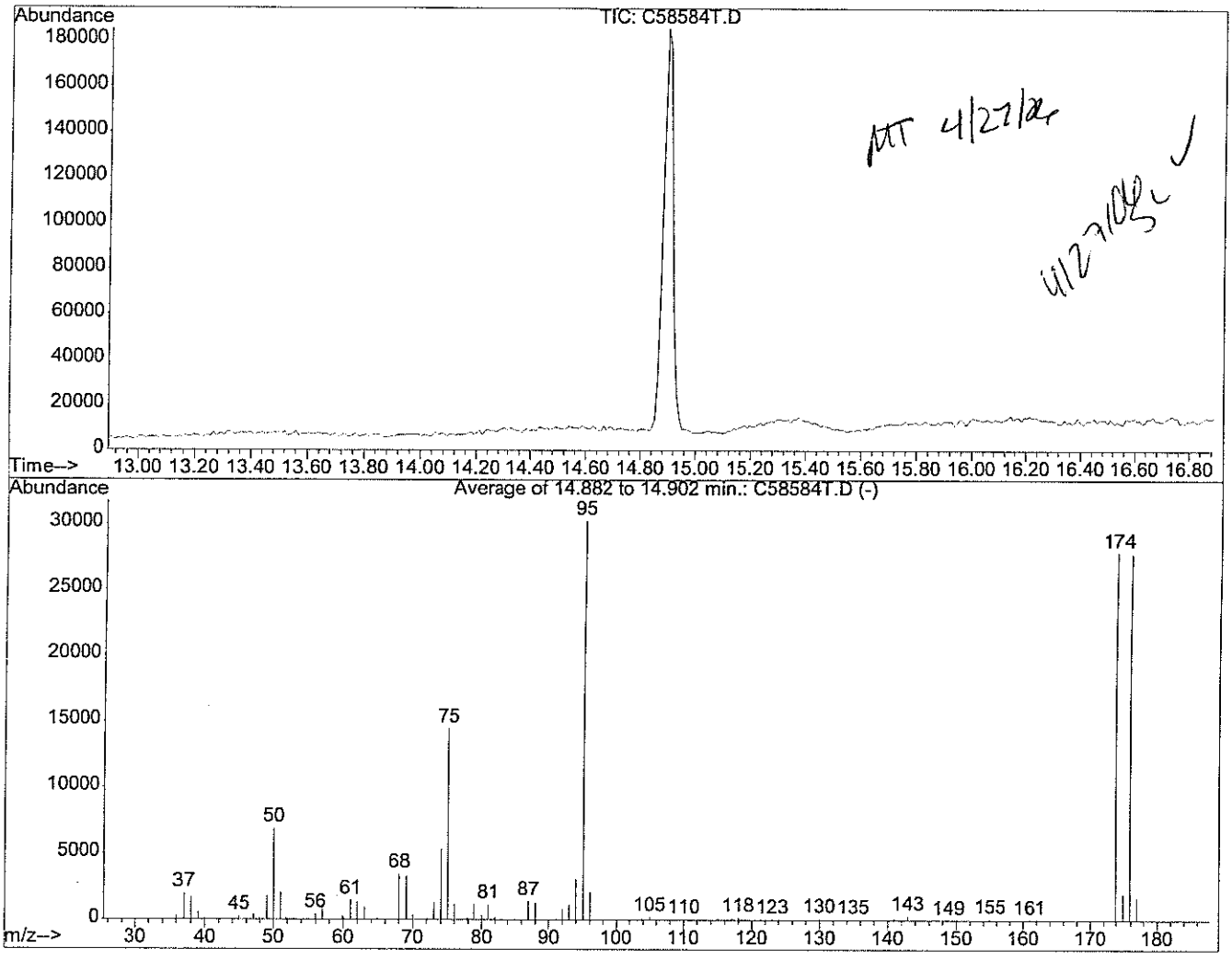
This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	20 PPB	20 PPB	C58585SC.D	04/26/06	22:20
02	B804266C2	B804266C2	C58586B.D	04/26/06	23:23
03	L804266C3	L804266C3	C58587Q.D	04/26/06	23:46
04	L804266C4	L804266C4	C58588Q.D	04/26/06	0:19
05	ZZZZZ	ZZZZZ	C58589.D	04/27/06	1:25
06	ZZZZZ	ZZZZZ	C58590.D	04/27/06	2:03
07	ZZZZZ	ZZZZZ	C58591.D	04/27/06	2:36
08	56346-1	56346-1	C58592.D	04/27/06	2:36
09	56346-1,MS	56346-1,MS	C58593SP.D	04/27/06	3:13
10	56346-1,MSD	56346-1,MSD	C58594SP.D	04/27/06	3:48
11	ZZZZZ	ZZZZZ	C58595.D	04/27/06	4:25
12	ZZZZZ	ZZZZZ	C58596.D	04/27/06	4:58
13	ZZZZZ	ZZZZZ	C58597.D	04/27/06	5:31
14	ZZZZZ	ZZZZZ	C58598.D	04/27/06	5:31
15	ZZZZZ	ZZZZZ	C58599.D	04/27/06	6:04
16	ZZZZZ	ZZZZZ	C58600.D	04/27/06	6:42
17	ZZZZZ	ZZZZZ	C58601.D	04/27/06	7:16
18	ZZZZZ	ZZZZZ	C58602.D	04/27/06	7:49
19	ZZZZZ	ZZZZZ	C58603.D	04/27/06	8:26
20	ZZZZZ	ZZZZZ	C58604.D	04/27/06	8:26
21	ZZZZZ	ZZZZZ	C58605.D	04/27/06	8:59
22					
23					
24					

BFB

Data File : D:\HPCHEM\1\DATA\042606C\C58584T.D
Acq On : 26 Apr 2006 9:33 pm
Sample : BFB 50NG
Misc : 5000
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics

Vial: 5
Operator:
Inst : Instr_C
Multiplr: 1.00



AutoFind: Scans 1349, 1350, 1351; Background Corrected with Scan 1341

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.8	6888	PASS
75	95	30	60	47.7	14440	PASS
95	95	100	100	100.0	30256	PASS
96	95	5	9	7.1	2154	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	92.0	27837	PASS
175	174	5	9	7.3	2019	PASS
176	174	95	101	99.6	27728	PASS
177	176	5	9	6.4	1779	PASS

C58584T.D V804176C.M Wed Apr 26 22:27:54 2006

Acq. Method File	V804176C
Level 1 File Name	C58354SI.D
Level 2 File Name	C58361SI.D
Level 3 File Name	C58356SI.D
Level 4 File Name	C58357SI.D
Level 5 File Name	C58358SI.D
Level 6 File Name	C58359SI.D
Level 7 File Name	C58353SI.D

MT 4/18/00 4.18.00

Name	Level 1 RF	Level 2 RF	Level 3 RF	Level 4 RF	Level 5 RF	Level 6 RF	Level 7 RF	AVG RF	RF Rel. STDEV
Dichlorodifluoromethane	0.765	0.656	0.623	0.660	0.670	0.673	-1.000	0.435	7.07%
Chloromethane	0.603	0.606	0.603	0.664	0.766	0.818	-1.000	0.437	13.88%
Vinyl Chloride	0.864	0.666	0.622	0.669	0.676	0.657	-1.000	0.451	12.48%
Bromomethane	0.285	0.350	0.330	0.390	0.437	-1.000	0.000	0.113	16.18%
Chloroethane	0.391	0.352	0.315	0.305	0.326	0.347	-1.000	0.148	9.13%
t-Butyl alcohol (TBA)	0.053	0.053	0.050	0.050	0.050	0.055	-1.000	-0.098	3.59%
Trichlorofluoromethane	1.414	1.184	1.155	1.225	1.240	1.285	-1.000	0.929	7.37%
Diethyl ether	0.240	0.225	0.171	0.184	0.182	0.179	-1.000	0.026	14.33%
1,1,2-Trichlorotrifluoroethane	0.530	0.509	0.474	0.471	0.476	0.468	-1.000	0.276	5.23%
Acrolein	0.045	0.047	0.026	0.050	0.048	0.045	-1.000	-0.106	20.43%
Acetone	0.221	0.168	0.162	0.160	0.161	0.170	-1.000	0.006	13.44%
1,1-Dichloroethene	0.399	0.336	0.356	0.347	0.355	0.341	-1.000	0.162	6.36%
Methyl iodide	0.469	0.780	0.373	0.553	0.668	0.472	-1.000	0.331	26.92%
Di-isopropyl ether (DIPE)	1.961	1.754	1.669	1.740	1.744	1.659	-1.000	1.361	6.21%
Methylene Chloride	0.448	0.384	0.372	0.366	0.369	-1.000	0.000	0.134	8.88%
Carbon Disulfide	1.099	1.135	1.090	1.131	1.173	1.210	-1.000	0.834	3.98%
Acrylonitrile	0.142	0.157	0.170	0.172	0.181	-1.000	0.000	-0.025	9.24%
Methyl-tert-butyl ether (MTBE)	1.591	1.171	1.280	1.312	1.327	1.380	-1.000	1.009	10.39%
trans-1,2-Dichloroethene	0.984	0.814	0.829	0.843	0.883	0.894	-1.000	0.607	7.11%
1,1-Dichloroethane	1.065	1.027	0.948	0.981	0.998	0.966	-1.000	0.712	4.29%
Vinyl acetate	0.914	0.838	0.470	0.938	0.973	0.862	-1.000	0.571	22.14%
Methyl ethyl ketone	0.047	0.043	0.042	0.042	0.040	0.041	-1.000	-0.106	5.24%
Ethyl t-butyl ether (ETBE)	1.774	1.606	1.601	1.620	1.639	1.620	-1.000	1.266	3.99%
2,2-Dichloropropane	0.906	0.753	0.698	0.738	0.760	0.746	-1.000	0.514	9.33%
cis-1,2-Dichloroethene	0.599	0.586	0.547	0.561	0.560	0.549	-1.000	0.343	3.70%
t-Amyl methyl ether (TAME)	1.205	1.121	1.126	1.157	1.149	1.141	-1.000	0.843	2.63%
DB Holder #28	1.011	0.773	0.719	0.745	0.754	0.767	-1.000	0.538	13.56%
Chloroform	1.022	0.937	0.875	0.943	0.935	0.934	-1.000	0.664	4.97%
Bromochloromethane	0.353	0.276	0.279	0.298	0.304	0.293	-1.000	0.115	9.33%
Tetrahydrofuran	0.048	0.039	0.045	0.048	0.049	-1.000	0.000	-0.110	8.52%
1,1,1-Trichloroethane	0.923	0.810	0.803	0.846	0.880	0.875	-1.000	0.591	5.33%
1,1-Dichloropropene	0.721	0.703	0.643	0.672	0.684	0.665	-1.000	0.441	4.10%
Carbon Tetrachloride	0.681	0.618	0.668	0.725	0.775	0.770	-1.000	0.463	8.75%
d4-1,2-Dichloroethane	1.011	0.773	0.719	0.745	0.754	0.767	-1.000	0.538	13.56%
1,2-Dichloroethane	0.961	0.913	0.885	0.929	0.945	0.942	-1.000	0.653	2.89%
Benzene	1.747	1.651	1.505	1.579	1.533	1.459	1.887	1.623	9.29%
Trichloroethene	0.376	0.358	0.346	0.341	0.349	0.340	-1.000	0.159	3.90%
1,2-Dichloropropane	0.376	0.331	0.323	0.322	0.321	0.312	-1.000	0.141	6.96%
Methylmethacrylate	0.216	0.186	0.239	0.193	0.190	0.206	-1.000	0.033	9.79%
Bromodichloromethane	0.456	0.412	0.397	0.432	0.445	0.454	-1.000	0.228	5.53%
Dibromomethane	0.264	0.245	0.244	0.258	0.260	0.246	-1.000	0.074	3.48%
1,4-Dioxane	0.003	0.003	0.003	0.003	0.003	0.003	-1.000	-0.140	7.31%
2-Chloroethylvinyl ether	0.111	0.053	0.068	0.105	0.139	0.112	-1.000	-0.059	32.23%
2-Hexanone	0.126	0.108	0.106	0.107	0.104	0.110	-1.000	-0.048	7.40%
Methyl isobutyl ketone	0.127	0.112	0.112	0.111	0.108	0.112	-1.000	-0.045	5.91%
cis-1,3-Dichloropropene	0.526	0.489	0.470	0.481	0.497	0.491	-1.000	0.279	3.87%
d8-Toluene	1.364	1.141	1.028	1.081	1.059	1.042	-1.000	0.816	11.30%
Toluene	0.721	0.681	0.627	0.658	0.647	0.646	-1.000	0.426	5.01%
trans-1,3-Dichloropropene	0.510	0.438	0.441	0.462	0.483	0.477	-1.000	0.259	5.82%
1,1,2-Trichloroethane	0.239	0.213	0.217	0.216	0.211	0.214	-1.000	0.044	4.72%
1,3-Dichloropropane	0.461	0.422	0.408	0.426	0.417	0.425	-1.000	0.223	4.32%
Tetrachloroethene	0.459	0.427	0.418	0.401	0.429	0.425	-1.000	0.223	4.47%
Dibromochloromethane	0.359	0.327	0.352	0.370	0.396	0.402	-1.000	0.172	7.69%
1,2-Dibromoethane	0.379	0.358	0.353	0.368	0.380	0.377	-1.000	0.174	3.10%
Chlorobenzene	1.109	1.057	0.994	0.964	0.989	0.936	-1.000	0.721	6.30%
1,1,1,2-Tetrachloroethane	0.370	0.352	0.345	0.356	0.361	0.360	-1.000	0.164	2.39%
Ethylbenzene	1.542	1.568	1.439	1.439	1.410	1.346	-1.000	1.106	5.72%
m,p-Xylene	0.656	0.640	0.584	0.570	0.548	0.507	-1.000	0.358	9.60%
o-Xylene	0.606	0.599	0.560	0.555	0.551	0.522	-1.000	0.342	5.57%
Styrene	1.079	1.028	0.979	0.991	0.958	0.929	-1.000	0.709	5.37%

Bromoform	0.292	0.266	0.288	0.326	0.340	0.349	-1.000	0.123	10.59%
Isopropylbenzene	1.612	1.598	1.470	1.480	1.478	1.365	-1.000	1.143	6.12%
1,1,2,2-Tetrachloroethane	0.457	0.384	0.382	0.376	0.378	0.377	-1.000	0.193	8.12%
Bromofluorobenzene	0.637	0.531	0.476	0.474	0.475	0.457	-1.000	0.293	13.33%
1,2,3-Trichloropropane	0.321	0.293	0.292	0.281	0.280	0.281	-1.000	0.107	5.41%
trans-1,4-Dichloro-2-butene	0.150	0.113	0.118	0.114	0.116	0.118	-1.000	-0.039	11.48%
n-Propylbenzene	1.881	1.868	1.658	1.621	1.595	1.456	-1.000	1.297	9.85%
Bromobenzene	0.476	0.471	0.415	0.417	0.419	0.395	-1.000	0.228	7.63%
1,3,5-Trimethylbenzene	1.323	1.340	1.201	1.199	1.200	1.165	-1.000	0.918	5.95%
2-Chlorotoluene	1.265	1.243	1.127	1.105	1.119	1.087	-1.000	0.849	6.58%
4-Chlorotoluene	1.123	1.126	1.055	1.037	1.033	1.005	-1.000	0.768	4.71%
tert-butylbenzene	1.224	1.127	1.086	1.040	1.049	1.040	-1.000	0.795	6.59%
1,2,4-Trimethylbenzene	1.366	1.325	1.261	1.203	1.218	1.182	-1.000	0.936	5.77%
sec-butylbenzene	1.824	1.801	1.635	1.636	1.627	1.589	-1.000	1.302	5.95%
p-isopropyltoluene	1.455	1.443	1.305	1.309	1.313	1.297	-1.000	1.017	5.47%
1,3-Dichlorobenzene	0.780	0.780	0.715	0.700	0.706	0.699	-1.000	0.483	5.35%
1,4-Dichlorobenzene	1.523	1.620	1.465	1.459	1.461	1.438	-1.000	1.138	4.53%
n-butylbenzene	2.564	2.784	2.436	2.453	2.440	2.349	-1.000	2.004	6.12%
1,2-Dichlorobenzene	1.471	1.464	1.366	1.319	1.344	1.312	-1.000	1.039	5.15%
1,2-Dibromo-3-chloropropane	0.156	0.138	0.135	0.144	0.151	0.160	-1.000	-0.017	6.89%
1,2,4-Trichlorobenzene	1.204	1.234	1.092	1.147	1.192	1.239	-1.000	0.872	4.77%
Hexachlorobutadiene	0.639	0.598	0.534	0.575	0.632	0.654	-1.000	0.376	7.45%
Naphthalene	2.412	2.233	2.092	2.037	2.079	2.113	-1.000	1.709	6.46%
1,2,3-Trichlorobenzene	1.143	1.094	1.036	1.012	1.080	1.083	-1.000	0.778	4.29%
1,3,5-Trichlorobenzene	1.316	1.396	1.275	1.281	1.328	1.390	-1.000	0.998	3.89%
								AVG	7.88%

Response Factor Report Instr_C

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Apr 17 15:48:39 2006
Response via : Initial Calibration

MT 4/18/06 4.18.06

Calibration Files
1 =C58354SI.D 2 =C58361SI.D 5 =C58356SI.D
20 =C58357SI.D 50 =C58358SI.D 100 =C58359SI.D

		Compound	1	2	5	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	ISTD							
2)	TM	Dichlorodifluoromet	0.765	0.656	0.623	0.660	0.670	0.673	0.675	7.07
3)	TMP	Chloromethane	0.603	0.606	0.603	0.664	0.766	0.818	0.677 ✓	13.88
4)	TMC	Vinyl Chloride	0.864	0.666	0.622	0.669	0.676	0.657	0.692	12.48 ✓
5)	TM	Bromomethane	0.285	0.350	0.330	0.390	0.437		0.358	16.18
6)	TM	Chloroethane	0.391	0.352	0.315	0.305	0.326	0.347	0.339	9.13
7)	TM	t-Butyl alcohol (TB	0.053	0.053	0.050	0.050	0.050	0.055	0.052#	3.59
8)	TM	Trichlorofluorometh	1.414	1.184	1.155	1.225	1.240	1.285	1.250	7.37
9)	TM	Diethyl ether	0.240	0.225	0.171	0.184	0.182	0.179	0.197	14.33
10)	T	1,1,2-Trichlorotrif	0.530	0.509	0.474	0.471	0.476	0.468	0.488	5.23
11)	T	Acrolein	0.045	0.047	0.026	0.050	0.048	0.045	0.043#	20.43
12)	TM	Acetone	0.221	0.168	0.162	0.160	0.161	0.170	0.174	13.44
13)	TMC	1,1-Dichloroethene	0.399	0.336	0.356	0.347	0.355	0.341	0.356	6.36 ✓
14)	T	Methyl iodide	0.469	0.780	0.373	0.553	0.668	0.472	0.553	26.92
15)	TM	Di-isopropyl ether	1.961	1.754	1.669	1.740	1.744	1.659	1.755	6.21
16)	TM	Methylene Chloride		0.448	0.384	0.372	0.366	0.369	0.388	8.88
17)	TM	Carbon Disulfide	1.099	1.135	1.090	1.131	1.173	1.210	1.140	3.98
18)	T	Acrylonitrile		0.142	0.157	0.170	0.172	0.181	0.164	9.24
19)	TM	Methyl-tert-butyl e	1.591	1.171	1.280	1.312	1.327	1.380	1.344	10.39
20)	TM	trans-1,2-Dichloroe	0.984	0.814	0.829	0.843	0.883	0.894	0.874	7.11
21)	TMP	1,1-Dichloroethane	1.065	1.027	0.948	0.981	0.998	0.966	0.998 ✓	4.29
22)	T	Vinyl acetate	0.914	0.838	0.470	0.938	0.973	0.862	0.832	22.14
23)	TM	Methyl ethyl ketone	0.047	0.043	0.042	0.042	0.040	0.041	0.042#	5.24
24)	TM	Ethyl t-butyl ether	1.774	1.606	1.601	1.620	1.639	1.620	1.644	3.99
25)	TM	2,2-Dichloropropane	0.906	0.753	0.698	0.738	0.760	0.746	0.767	9.33
26)	TM	cis-1,2-Dichloroeth	0.599	0.586	0.547	0.561	0.560	0.549	0.567	3.70
27)	TM	t-Amyl methyl ether	1.205	1.121	1.126	1.157	1.149	1.141	1.150	2.63
28)	S	DB Holder #28	1.011	0.773	0.719	0.745	0.754	0.767	0.795	13.56
29)	TMC	Chloroform	1.022	0.937	0.875	0.943	0.935	0.934	0.941	4.97 ✓
30)	TM	Bromochloromethane	0.353	0.276	0.279	0.298	0.304	0.293	0.301	9.33
31)	TM	Tetrahydrofuran		0.048	0.039	0.045	0.048	0.049	0.046#	8.52
32)	TM	1,1,1-Trichloroetha	0.923	0.810	0.803	0.846	0.880	0.875	0.856	5.33
33)	T	NO COMPOUND							0.000#	-1.00
34)	TM	1,1-Dichloropropene	0.721	0.703	0.643	0.672	0.684	0.665	0.681	4.10
35)	TM	Carbon Tetrachlorid	0.681	0.618	0.668	0.725	0.775	0.770	0.706	8.75
36)	S	d4-1,2-Dichloroetha	1.011	0.773	0.719	0.745	0.754	0.767	0.795	13.56
37)	TM	1,2-Dichloroethane	0.961	0.913	0.885	0.929	0.945	0.942	0.929	2.89
38)	TM	Benzene	1.747	1.651	1.505	1.579	1.533	1.459	1.623	9.29
39)	I	1,4-Difluorobenzene	ISTD							
40)	TM	Trichloroethene	0.376	0.358	0.346	0.341	0.349	0.340	0.352	3.90
41)	TMC	1,2-Dichloropropane	0.376	0.331	0.323	0.322	0.321	0.312	0.331	6.96 ✓
42)	T	Methylmethacrylate	0.216	0.186	0.239	0.193	0.190	0.206	0.205	9.79

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report Instr_C

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Apr 17 15:48:39 2006
Response via : Initial Calibration

Calibration Files
1 =C58354SI.D 2 =C58361SI.D 5 =C58356SI.D
20 =C58357SI.D 50 =C58358SI.D 100 =C58359SI.D

		Compound	1	2	5	20	50	100	Avg	%RSD
43)	T	Methyl acetate	0.298	0.223	0.427	0.287	0.274	0.305	0.302	22.46
44)	T	Cyclohexane	0.621	0.544	0.519	0.511	0.520	0.498	0.535	8.33
45)	TM	Bromodichloromethan	0.456	0.412	0.397	0.432	0.445	0.454	0.433	5.53
46)	TM	Dibromomethane	0.264	0.245	0.244	0.258	0.260	0.246	0.253	3.48
47)	T	1,4-Dioxane	0.003	0.003	0.003	0.003	0.003	0.003	0.003#	7.31
48)	T	Methylcyclohexane	0.441	0.434	0.411	0.428	0.429	0.420	0.427	2.50
49)	T	NO COMPOUND							0.000#	-1.00
50)	T	2-Chloroethylvinyl	0.111	0.053	0.068	0.105	0.139	0.112	0.098#	32.23M
51)	TM	2-Hexanone	0.126	0.108	0.106	0.107	0.104	0.110	0.110	7.40
52)	TM	Methyl isobutyl ket	0.127	0.112	0.112	0.111	0.108	0.112	0.114	5.91
53)	TM	cis-1,3-Dichloropro	0.526	0.489	0.470	0.481	0.497	0.491	0.492	3.87
54)	S	d8-Toluene	1.364	1.141	1.028	1.081	1.059	1.042	1.119	11.30
55)	TMC	Toluene	0.721	0.681	0.627	0.658	0.647	0.646	0.663	5.01✓
56)	TM	trans-1,3-Dichlorop	0.510	0.438	0.441	0.462	0.483	0.477	0.469	5.82
57)	T	NO COMPOUND							0.000#	-1.00
58)	TM	1,1,2-Trichloroetha	0.239	0.213	0.217	0.216	0.211	0.214	0.218	4.72
59)	TM	1,3-Dichloropropane	0.461	0.422	0.408	0.426	0.417	0.425	0.426	4.32
60)	TM	Tetrachloroethene	0.459	0.427	0.418	0.401	0.429	0.425	0.427	4.47
61)	TM	Dibromochloromethan	0.359	0.327	0.352	0.370	0.396	0.402	0.368	7.69
62)	TM	1,2-Dibromoethane	0.379	0.358	0.353	0.368	0.380	0.377	0.369	3.10
63)	I	*d5-Chlorobenzene	----------ISTD----------							
64)	TMP	Chlorobenzene	1.109	1.057	0.994	0.964	0.989	0.936	1.008✓	6.30
65)	TM	1,1,1,2-Tetrachloro	0.370	0.352	0.345	0.356	0.361	0.360	0.358	2.39
66)	TMC	Ethylbenzene	1.542	1.568	1.439	1.439	1.410	1.346	1.457	5.72✓
67)	TM	m,p-Xylene	0.656	0.640	0.584	0.570	0.548	0.507	0.584	9.60
68)	TM	o-Xylene	0.606	0.599	0.560	0.555	0.551	0.522	0.565	5.57
69)	TM	Styrene	1.079	1.028	0.979	0.991	0.958	0.929	0.994	5.37
70)	TMP	Bromoform	0.292	0.266	0.288	0.326	0.340	0.349	0.310✓	10.59
71)	TM	Isopropylbenzene	1.612	1.598	1.470	1.480	1.478	1.365	1.500	6.12
72)	TMP	1,1,2,2-Tetrachloro	0.457	0.384	0.382	0.376	0.378	0.377	0.392✓	8.12
73)	S	Bromofluorobenzene	0.637	0.531	0.476	0.474	0.475	0.457	0.508	13.33
74)	TM	1,2,3-Trichloroprop	0.321	0.293	0.292	0.281	0.280	0.281	0.291	5.41
75)	TM	trans-1,4-Dichloro-	0.150	0.113	0.118	0.114	0.116	0.118	0.121	11.48
76)	TM	n-Propylbenzene	1.881	1.868	1.658	1.621	1.595	1.456	1.680	9.85
77)	TM	Bromobenzene	0.476	0.471	0.415	0.417	0.419	0.395	0.432	7.63
78)	TM	1,3,5-Trimethylbenz	1.323	1.340	1.201	1.199	1.200	1.165	1.238	5.95
79)	TM	2-Chlorotoluene	1.265	1.243	1.127	1.105	1.119	1.087	1.158	6.58
80)	TM	4-Chlorotoluene	1.123	1.126	1.055	1.037	1.033	1.005	1.063	4.71
81)	TM	tert-butylbenzene	1.224	1.127	1.086	1.040	1.049	1.040	1.094	6.59
82)	TM	1,2,4-Trimethylbenz	1.366	1.325	1.261	1.203	1.218	1.182	1.259	5.77
83)	T	Diisobutylketone	0.961	0.933	0.883	0.846	0.825	0.844	0.882	6.16
84)	TM	sec-butylbenzene	1.824	1.801	1.635	1.636	1.627	1.589	1.686	5.95
85)	TM	p-isopropyltoluene	1.455	1.443	1.305	1.309	1.313	1.297	1.354	5.47

(#) = Out of Range ### Number of calibration levels exceeded format ###

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Apr 17 15:48:39 2006
Response via : Initial Calibration

Calibration Files
1 =C58354SI.D 2 =C58361SI.D 5 =C58356SI.D
20 =C58357SI.D 50 =C58358SI.D 100 =C58359SI.D

		Compound	1	2	5	20	50	100	Avg	%RSD
86)	TM	1,3-Dichlorobenzene	0.780	0.780	0.715	0.700	0.706	0.699	0.730	5.35
87)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
88)	TM	1,4-Dichlorobenzene	1.523	1.620	1.465	1.459	1.461	1.438	1.494	4.53
89)	TM	n-butylbenzene	2.564	2.784	2.436	2.453	2.440	2.349	2.504	6.12
90)	TM	1,2-Dichlorobenzene	1.471	1.464	1.366	1.319	1.344	1.312	1.379	5.15
91)	T	NO COMPOUND							0.000#	-1.00
92)	TM	1,2-Dibromo-3-chlor	0.156	0.138	0.135	0.144	0.151	0.160	0.147	6.89
93)	T	NO COMPOUND							0.000#	-1.00
94)	TM	1,2,4-Trichlorobenz	1.204	1.234	1.092	1.147	1.192	1.239	1.185	4.77
95)	TM	Hexachlorobutadiene	0.639	0.598	0.534	0.575	0.632	0.654	0.605	7.45
96)	TM	Naphthalene	2.412	2.233	2.092	2.037	2.079	2.113	2.161	6.46
97)	TM	1,2,3-Trichlorobenz	1.143	1.094	1.036	1.012	1.080	1.083	1.075	4.29
98)	T	1,3,5-Trichlorobenz	1.316	1.396	1.275	1.281	1.328	1.390	1.331	3.89

(#) = Out of Range ### Number of calibration levels exceeded format ###

Data File : D:\HPCHEM\1\DATA\041706C\C58353SI.D Vial: 2
Acq On : 17 Apr 2006 11:56 am Operator:
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 13:52 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

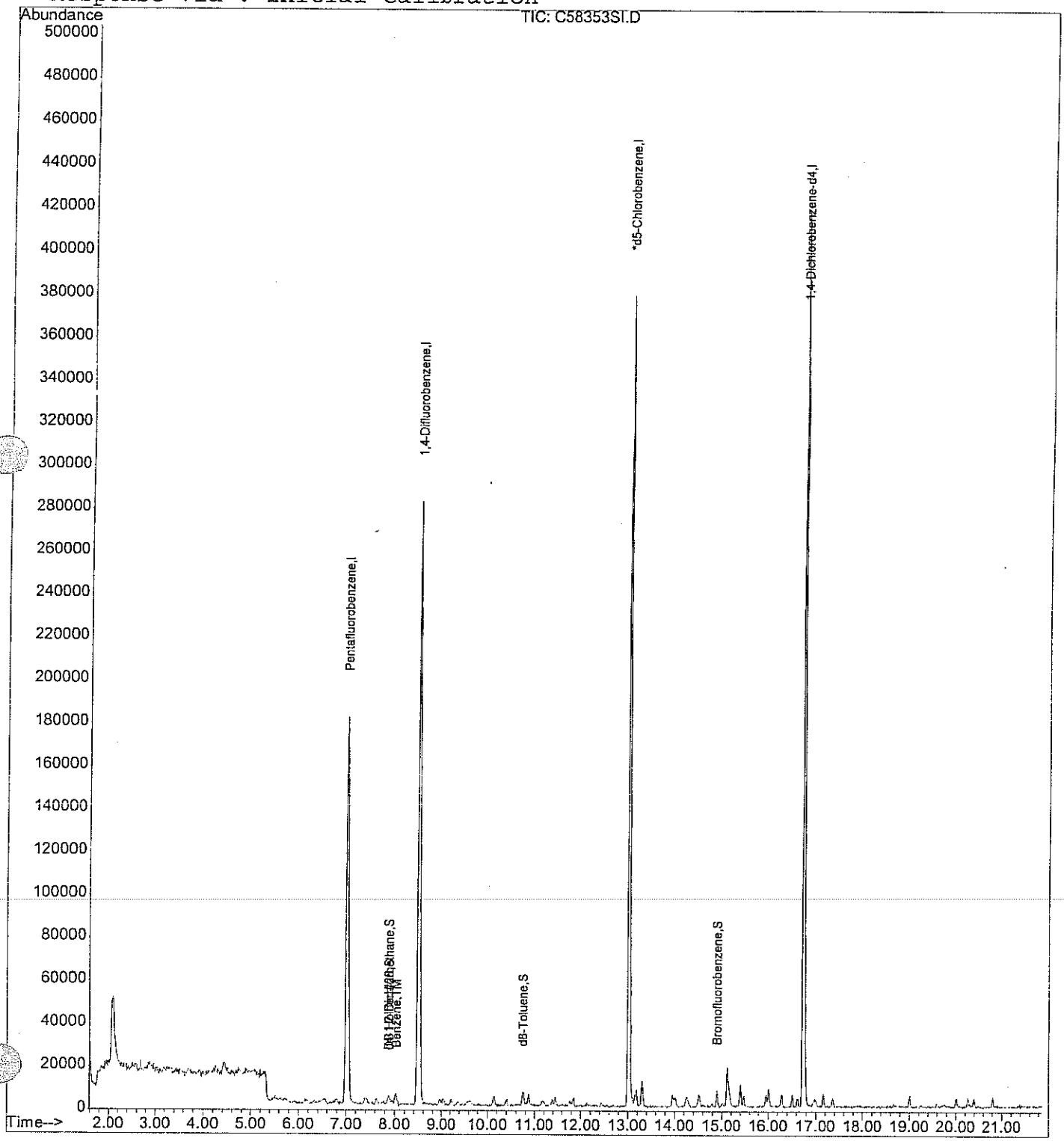
MT 4/18/06 4.18.06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.01	168	231622	20.00	ug/L	-0.01
39) 1,4-Difluorobenzene	8.49	114	361455	20.00	ug/L	-0.01
63) *d5-Chlorobenzene	13.02	117	322548	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.74	152	162831	20.00	ug/L	-0.01
System Monitoring Compounds						
28) DB Holder #28	7.87	65	4580	0.45	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 2.25%#			
36) d4-1,2-Dichloroethane	7.87	65	4580	0.45	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 2.25%#			
54) d8-Toluene	10.75	98	6662	0.32	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 1.60%#			
73) Bromofluorobenzene	14.89	95	3433	0.39	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 1.95%#			
Target Compounds						Qvalue
38) Benzene	8.03	78	4370	0.20	ug/L	78

(#) = qualifier out of range (m) = manual integration
C58353SI.D V804176C.M Mon Apr 17 15:50:42 2006 Page 1

Data File : D:\HPCHEM\1\DATA\041706C\C58353SI.D Vial: 2
Acq On : 17 Apr 2006 11:56 am Operator:
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 17 13:52 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Apr 17 15:48:39 2006
Response via : Initial Calibration



Data File : D:\HPCHEM\1\DATA\041706C\C58354SI.D Vial: 3
Acq On : 17 Apr 2006 12:21 pm Operator:
Sample : 1 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 13:53 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MM 4/18/06 4.18.06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	244191	20.00	ug/L	0.00
39) 1,4-Difluorobenzene	8.50	114	386660	20.00	ug/L	0.00
63) *d5-Chlorobenzene	13.02	117	342009	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.74	152	171356	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.88	65	12349	1.16	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 5.80%#			
36) d4-1,2-Dichloroethane	7.88	65	12349	1.16	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 5.80%#			
54) d8-Toluene	10.75	98	26377	1.18	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 5.90%#			
73) Bromofluorobenzene	14.90	95	10886	1.17	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 5.85%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.70	85	9341	1.24	ug/L	97
3) Chloromethane	1.95	50	7364m	0.87	ug/L	
4) Vinyl Chloride	2.04	62	10554	1.27	ug/L	96
5) Bromomethane	2.48	94	3475	0.70	ug/L	97
6) Chloroethane	2.58	64	4772	1.13	ug/L	95
7) t-Butyl alcohol (TBA)	3.87	59	3240m	3.86	ug/L	
8) Trichlorofluoromethane	2.89	101	17265	1.13	ug/L	99
9) Diethyl ether	3.26	74	2927	1.09	ug/L	93
10) 1,1,2-Trichlorotrifluoroet	3.45	101	6477	0.93	ug/L #	70
11) Acrolein	3.43	56	2733	3.53	ug/L #	55
12) Acetone	3.52	43	13463	5.21	ug/L	93
13) 1,1-Dichloroethene	3.69	96	4869	1.00	ug/L #	69
14) Methyl iodide	4.12	142	5726	0.83	ug/L	89
15) Di-isopropyl ether (DIPE)	5.51	45	23944	0.99	ug/L	98
16) Methylene Chloride	4.43	84	7184	1.34	ug/L #	87
17) Carbon Disulfide	4.39	76	13415	0.75	ug/L	100
18) Acrylonitrile	4.65	53	2668	1.07	ug/L #	69
19) Methyl-tert-butyl ether (M	4.74	73	19424	0.97	ug/L	94
20) trans-1,2-Dichloroethene	4.90	61	12016	0.97	ug/L	96
21) 1,1-Dichloroethane	5.59	63	13003	0.96	ug/L	80
22) Vinyl acetate	5.65	43	11159	0.85	ug/L #	96
23) Methyl ethyl ketone	6.31	72	2844	4.98	ug/L	86
24) Ethyl t-butyl ether (ETBE)	6.14	59	21665	0.96	ug/L	95
25) 2,2-Dichloropropane	6.47	77	11058	1.11	ug/L	95
26) cis-1,2-Dichloroethene	6.55	96	7312	1.04	ug/L #	85
27) t-Amyl methyl ether (TAME)	7.88	73	14711	0.90	ug/L #	89

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\041706C\C58354SI.D Vial: 3
Acq On : 17 Apr 2006 12:21 pm Operator:
Sample : 1 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 13:53 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	Chloroform	6.79	83	12473	1.02 ug/L	95
30)	Bromochloromethane	7.03	128	4316	1.18 ug/L #	75
31)	Tetrahydrofuran	7.13	71	643m	1.02 ug/L	
32)	1,1,1-Trichloroethane	7.37	97	11268	0.98 ug/L	86
34)	1,1-Dichloropropene	7.64	75	8807	0.97 ug/L	87
35)	Carbon Tetrachloride	7.77	119	8316	0.86 ug/L	93
37)	1,2-Dichloroethane	8.01	62	11728	0.92 ug/L	98
38)	Benzene	8.01	78	21332	0.93 ug/L	99
40)	Trichloroethene	8.96	95	7276	1.00 ug/L	93
41)	1,2-Dichloropropane	9.22	63	7278	1.06 ug/L	100
42)	Methylmethacrylate	9.38	69	4171	0.96 ug/L	92
43)	Methyl acetate	4.24	43	5770	0.88 ug/L #	79
44)	Cyclohexane	7.40	56	12007	1.06 ug/L	94
45)	Bromodichloromethane	9.56	83	8819	0.96 ug/L	92
46)	Dibromomethane	9.63	93	5105	0.97 ug/L	90
47)	1,4-Dioxane	9.64	88	1683	24.07 ug/L	88
48)	Methylcyclohexane	9.05	83	8523	0.96 ug/L	90
50)	2-Chloroethylvinyl ether	10.08	63	2146	2.57 ug/L	97
51)	2-Hexanone	11.45	58	12215	4.74 ug/L	95
52)	Methyl isobutyl ketone	10.13	58	12271	4.58 ug/L	99
53)	cis-1,3-Dichloropropene	10.40	75	10174	1.00 ug/L	99
55)	Toluene	10.86	92	13944	1.02 ug/L	96
56)	trans-1,3-Dichloropropene	11.16	75	9860	1.02 ug/L	99
58)	1,1,2-Trichloroethane	11.39	83	4614	1.03 ug/L #	80
59)	1,3-Dichloropropane	11.76	76	8922	0.98 ug/L	96
60)	Tetrachloroethene	11.84	166	8881	1.05 ug/L	83
61)	Dibromochloromethane	12.13	129	6942	0.89 ug/L	86
62)	1,2-Dibromoethane	12.42	107	7330	0.92 ug/L	93
64)	Chlorobenzene	13.07	112	18962	1.07 ug/L	92
65)	1,1,1,2-Tetrachloroethane	13.15	131	6333	1.01 ug/L	90
66)	Ethylbenzene	13.17	91	26371	1.02 ug/L	99
67)	m,p-Xylene	13.30	106	22426	2.26 ug/L	90
68)	o-Xylene	13.96	106	10356	1.05 ug/L	96
69)	Styrene	14.01	104	18459	1.09 ug/L	92
70)	Bromoform	14.49	173	5000	0.84 ug/L	86
71)	Isopropylbenzene	14.52	105	27558	1.04 ug/L	97
72)	1,1,2,2-Tetrachloroethane	14.79	83	7814	1.09 ug/L	97
74)	1,2,3-Trichloropropane	15.01	75	5495	1.00 ug/L	99
75)	trans-1,4-Dichloro-2-buten	15.14	89	2557	1.14 ug/L	91
76)	n-Propylbenzene	15.14	91	32167	1.07 ug/L	99
77)	Bromobenzene	15.17	156	8136	1.10 ug/L	93

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\041706C\C58354SI.D Vial: 3
Acq On : 17 Apr 2006 12:21 pm Operator:
Sample : 1 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 13:53 2006 Quant Results File: V804176C.RES

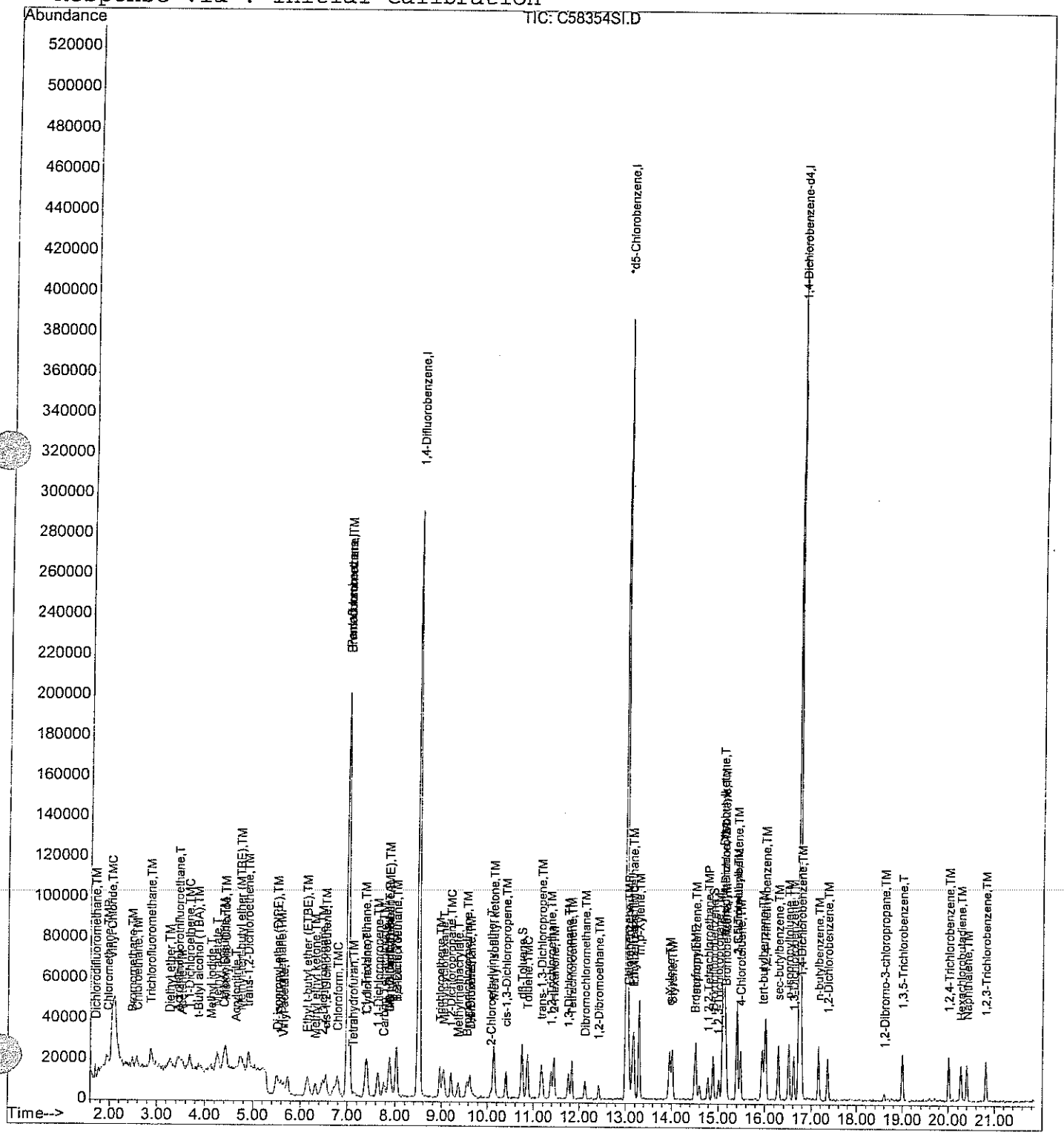
Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
78) 1,3,5-Trimethylbenzene	15.40	105	22620	1.04 ug/L	89
79) 2-Chlorotoluene	15.40	91	21628	1.06 ug/L	100
80) 4-Chlorotoluene	15.48	91	19205	1.03 ug/L	100
81) tert-butylbenzene	15.95	119	20936	1.10 ug/L	85
82) 1,2,4-Trimethylbenzene	16.01	105	23351	1.05 ug/L	94
83) Diisobutylketone	15.10	57	82140	4.97 ug/L	96
84) sec-butylbenzene	16.29	105	31199	1.06 ug/L	86
85) p-isopropyltoluene	16.50	119	24877	1.07 ug/L	96
86) 1,3-Dichlorobenzene	16.62	146	13343	1.05 ug/L	97
88) 1,4-Dichlorobenzene	16.79	146	13053	0.95 ug/L	96
89) n-butylbenzene	17.16	91	21967	0.96 ug/L	98
90) 1,2-Dichlorobenzene	17.36	146	12604	1.00 ug/L	95
92) 1,2-Dibromo-3-chloropropan	18.60	75	1338	0.89 ug/L	96
94) 1,2,4-Trichlorobenzene	20.01	180	10316	0.95 ug/L	93
95) Hexachlorobutadiene	20.26	225	5471	0.97 ug/L	96
96) Naphthalene	20.40	128	20667	1.00 ug/L	100
97) 1,2,3-Trichlorobenzene	20.81	180	9797	0.99 ug/L	97
98) 1,3,5-Trichlorobenzene	19.00	180	11278	0.93 ug/L	98

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\041706C\C58354SI.D Vial: 3
Acq On : 17 Apr 2006 12:21 pm Operator:
Sample : 1 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 17 13:53 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Apr 17 15:48:39 2006
Response via : Initial Calibration



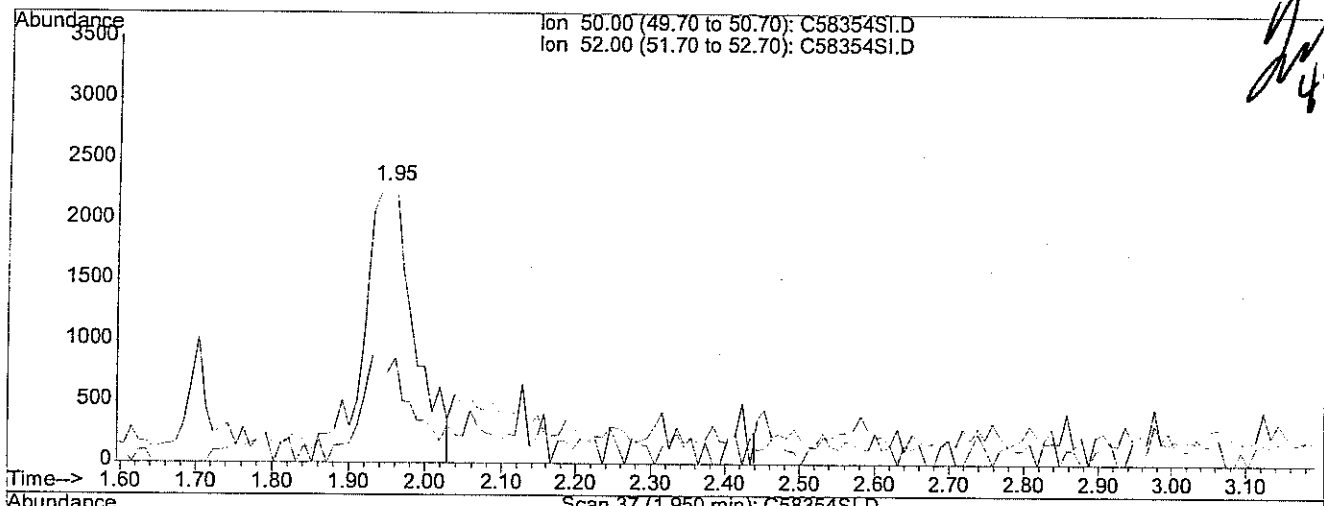
Data File : D:\HPCHEM\1\DATA\041706C\C58354SI.D
Acq On : 17 Apr 2006 12:21 pm
Sample : 1 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Apr 17 13:52 2006

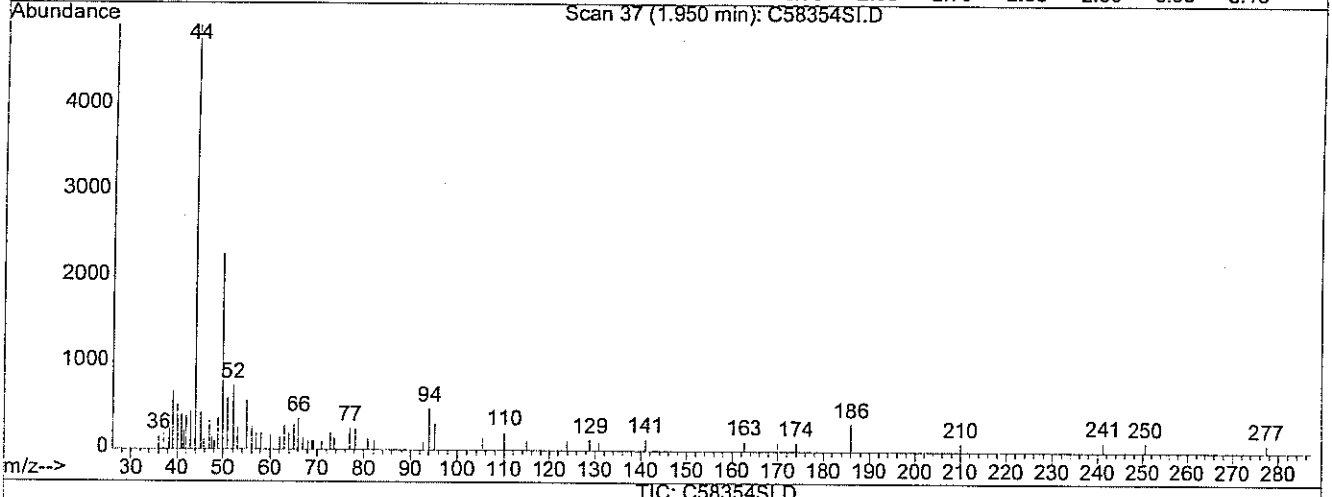
Vial: 3
Operator:
Inst : Instr_C
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Multiple Level Calibration

MT 4/18/06
extra area

4.18.06





TIC: C58354SI.D

(3) Chloromethane (TMP)

1.95min 1.24ug/L

response 10542

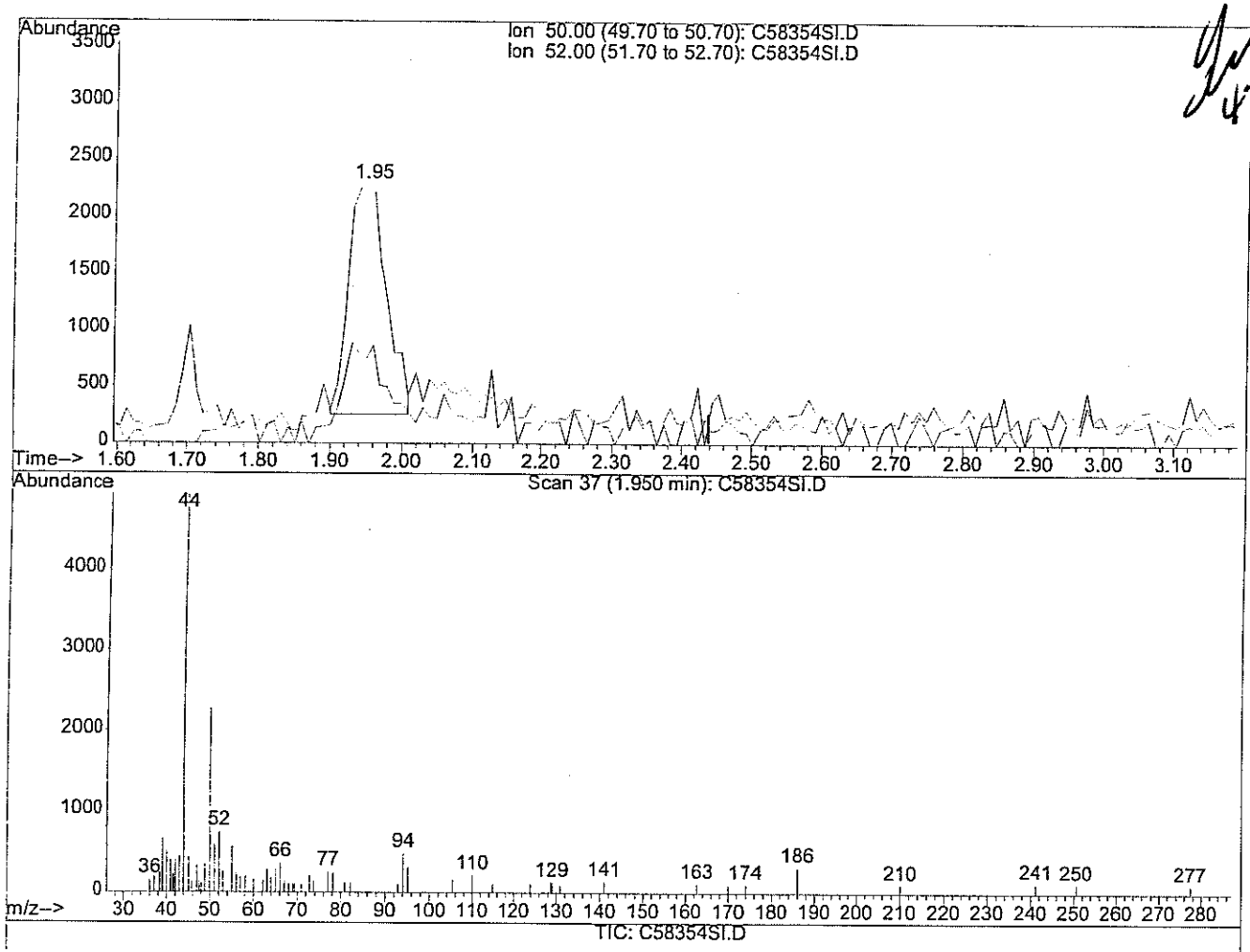
Ion	Exp%	Act%
50.00	100	100
52.00	31.70	27.74
0.00	0.00	0.00
0.00	0.00	0.00

Data File : D:\HPCHEM\1\DATA\041706C\C58354SI.D
Acq On : 17 Apr 2006 12:21 pm
Sample : 1 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Apr 17 13:52 2006

Vial: 3
Operator:
Inst : Instr_C
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Multiple Level Calibration

MT 4/18/06



4-18-06

(3) Chloromethane (TMP)

1.95min 0.87ug/L m

response 7364

Ion	Exp%	Act%
50.00	100	100
52.00	31.70	32.66
0.00	0.00	0.00
0.00	0.00	0.00

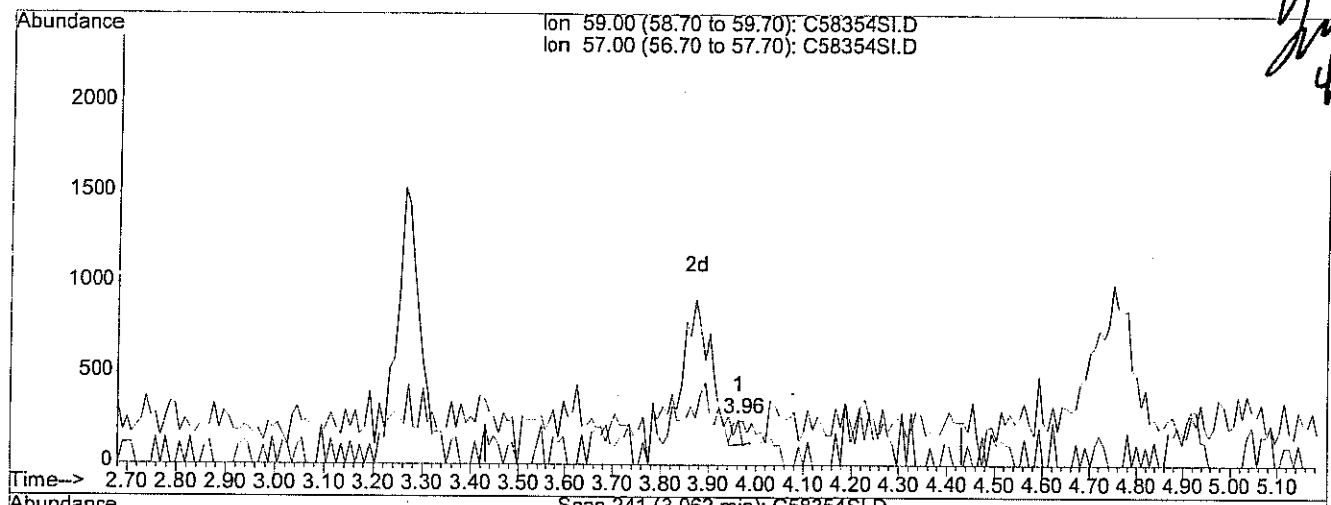
Data File : D:\HPCHEM\1\DATA\041706C\C58354SI.D
Acq On : 17 Apr 2006 12:21 pm
Sample : 1 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Apr 17 13:52 2006

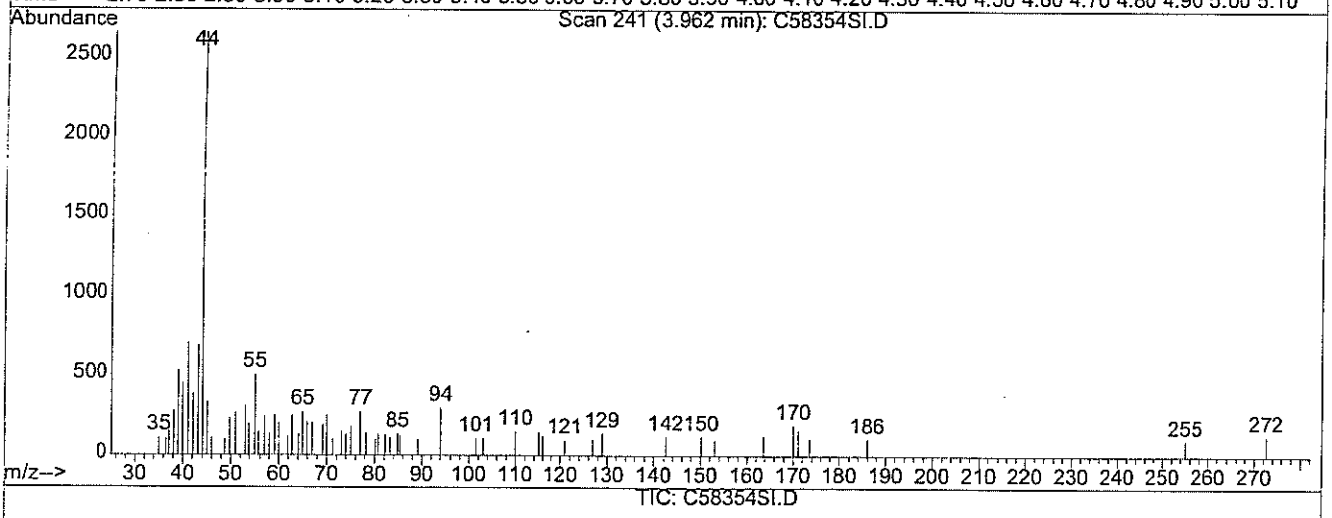
Vial: 3
Operator:
Inst : Instr_C
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Multiple Level Calibration

MT 4/18/06
Missed peak

4.18.06





TIC: C58354SI.D

(7) t-Butyl alcohol (TBA) (TM)

3.96min 0.19ug/L

response 161

Ion	Exp%	Act%
59.00	100	100
57.00	14.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

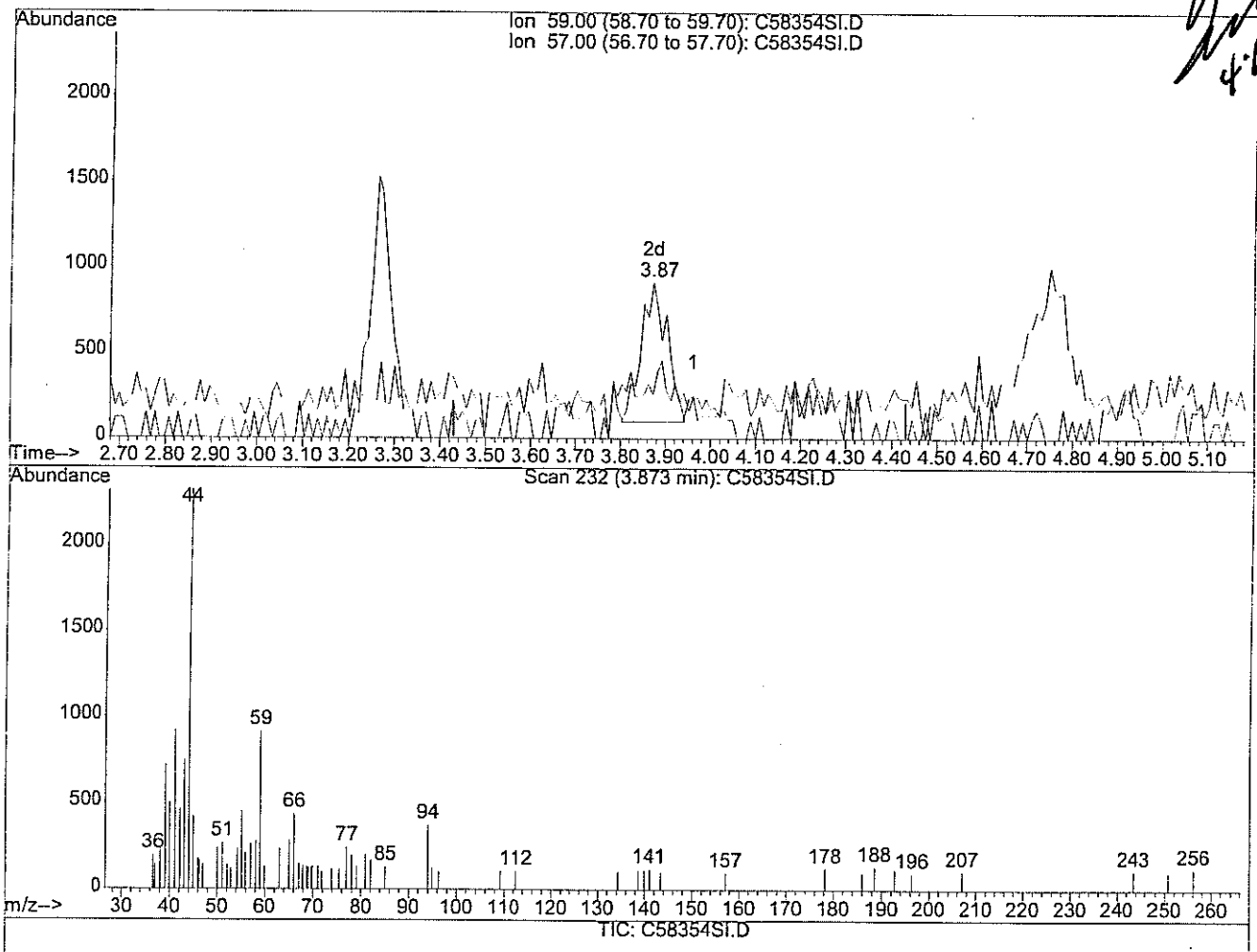
Data File : D:\HPCHEM\1\DATA\041706C\C58354SI.D
Acq On : 17 Apr 2006 12:21 pm
Sample : 1 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Apr 17 13:53 2006

Vial: 3
Operator:
Inst : Instr_C
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Multiple Level Calibration

MT 4/18/06

4-18-06



TIC: C58354SI.D

(7) t-Butyl alcohol (TBA) (TM)

3.87min 3.86ug/L m

response 3240

Ion	Exp%	Act%
59.00	100	100
57.00	14.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Data File : D:\HPCHEM\1\DATA\041706C\C58356SI.D Vial: 5
Acq On : 17 Apr 2006 1:11 pm Operator:
Sample : 5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 13:55 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/18/06

4.18.06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	239660	20.00	ug/L	0.00
39) 1,4-Difluorobenzene	8.50	114	380784	20.00	ug/L	0.00
63) *d5-Chlorobenzene	13.02	117	336657	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.74	152	169433	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.88	65	43072	4.13	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 20.65%#			
36) d4-1,2-Dichloroethane	7.88	65	43072	4.13	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 20.65%#			
54) d8-Toluene	10.75	98	97835	4.46	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 22.30%#			
73) Bromofluorobenzene	14.89	95	40026	4.37	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 21.85%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.71	85	37348	5.05	ug/L	100
3) Chloromethane	1.96	50	36125	4.34	ug/L	95
4) Vinyl Chloride	2.04	62	37284	4.58	ug/L	97
5) Bromomethane	2.49	94	19787	4.06	ug/L	94
6) Chloroethane	2.58	64	18884	4.54	ug/L	91
7) t-Butyl alcohol (TBA)	3.87	59	15121	18.38	ug/L #	78
8) Trichlorofluoromethane	2.89	101	69186	4.60	ug/L	96
9) Diethyl ether	3.27	74	10262	3.89	ug/L	93
10) 1,1,2-Trichlorotrifluoroet	3.46	101	28371	4.16	ug/L	97
11) Acrolein	3.44	56	7650	10.08	ug/L	99
12) Acetone	3.55	43	48519	19.14	ug/L	99
13) 1,1-Dichloroethene	3.68	96	21344	4.45	ug/L #	71
14) Methyl iodide	4.13	142	22356	3.29	ug/L	97
15) Di-isopropyl ether (DIPE)	5.52	45	99995	4.21	ug/L	94
16) Methylene Chloride	4.44	84	23004	4.36	ug/L	97
17) Carbon Disulfide	4.40	76	65312	3.73	ug/L	100
18) Acrylonitrile	4.66	53	9380	3.83	ug/L #	83
19) Methyl-tert-butyl ether (M	4.75	73	76669	3.89	ug/L	99
20) trans-1,2-Dichloroethene	4.92	61	49640	4.10	ug/L	98
21) 1,1-Dichloroethane	5.60	63	56786	4.27	ug/L	93
22) Vinyl acetate	5.65	43	28153	2.19	ug/L #	95
23) Methyl ethyl ketone	6.32	72	12468	22.24	ug/L	86
24) Ethyl t-butyl ether (ETBE)	6.16	59	95918	4.32	ug/L	97
25) 2,2-Dichloropropane	6.48	77	41798	4.27	ug/L	99
26) cis-1,2-Dichloroethene	6.56	96	32751	4.76	ug/L	96
27) t-Amyl methyl ether (TAME)	7.88	73	67462	4.22	ug/L	97

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\041706C\C58356SI.D Vial: 5
Acq On : 17 Apr 2006 1:11 pm Operator:
Sample : 5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 13:55 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29) Chloroform	6.79	83	52435	4.38 ug/L	99
30) Bromochloromethane	7.04	128	16730	4.65 ug/L	96
31) Tetrahydrofuran	7.15	71	2355	3.79 ug/L #	78
32) 1,1,1-Trichloroethane	7.39	97	48103	4.25 ug/L	98
34) 1,1-Dichloropropene	7.63	75	38523	4.33 ug/L	100
35) Carbon Tetrachloride	7.77	119	40037	4.24 ug/L	92
37) 1,2-Dichloroethane	8.03	62	53035	4.22 ug/L	95
38) Benzene	8.03	78	90174	4.02 ug/L	99
40) Trichloroethene	8.96	95	32982	4.61 ug/L	86
41) 1,2-Dichloropropane	9.23	63	30791	4.55 ug/L	97
42) Methylmethacrylate	9.38	69	22779	5.31 ug/L	96
43) Methyl acetate	4.24	43	40683	6.32 ug/L	96
44) Cyclohexane	7.39	56	49383	4.44 ug/L	98
45) Bromodichloromethane	9.56	83	37758	4.18 ug/L	94
46) Dibromomethane	9.63	93	23267	4.47 ug/L	94
47) 1,4-Dioxane	9.64	88	7199	104.53 ug/L	97
48) Methylcyclohexane	9.05	83	39100	4.49 ug/L	97
50) 2-Chloroethylvinyl ether	10.08	63	6482	4.12 ug/L	96
51) 2-Hexanone	11.44	58	50309	19.84 ug/L	98
52) Methyl isobutyl ketone	10.14	58	53459	20.27 ug/L	100
53) cis-1,3-Dichloropropene	10.40	75	44751	4.49 ug/L	97
55) Toluene	10.87	92	59726	4.45 ug/L	91
56) trans-1,3-Dichloropropene	11.16	75	41989	4.39 ug/L	94
58) 1,1,2-Trichloroethane	11.39	83	20658	4.70 ug/L	94
59) 1,3-Dichloropropane	11.76	76	38834	4.32 ug/L	98
60) Tetrachloroethene	11.84	166	39798	4.78 ug/L	95
61) Dibromochloromethane	12.13	129	33498	4.37 ug/L	96
62) 1,2-Dibromoethane	12.42	107	33600	4.28 ug/L	96
64) Chlorobenzene	13.07	112	83661	4.80 ug/L	95
65) 1,1,1,2-Tetrachloroethane	13.15	131	29067	4.69 ug/L	94
66) Ethylbenzene	13.17	91	121148	4.76 ug/L	97
67) m,p-Xylene	13.30	106	98264	10.05 ug/L	93
68) o-Xylene	13.95	106	47149	4.87 ug/L	91
69) Styrene	14.01	104	82431	4.93 ug/L	95
70) Bromoform	14.49	173	24261	4.16 ug/L	99
71) Isopropylbenzene	14.52	105	123697	4.74 ug/L	95
72) 1,1,2,2-Tetrachloroethane	14.79	83	32119	4.54 ug/L	97
74) 1,2,3-Trichloropropane	15.01	75	24571	4.55 ug/L	96
75) trans-1,4-Dichloro-2-buten	15.15	89	9895	4.49 ug/L	94
76) n-Propylbenzene	15.15	91	139576	4.70 ug/L	99
77) Bromobenzene	15.17	156	34897	4.80 ug/L	95

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\041706C\C58356SI.D Vial: 5
Acq On : 17 Apr 2006 1:11 pm Operator:
Sample : 5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 13:55 2006 Quant Results File: V804176C.RES

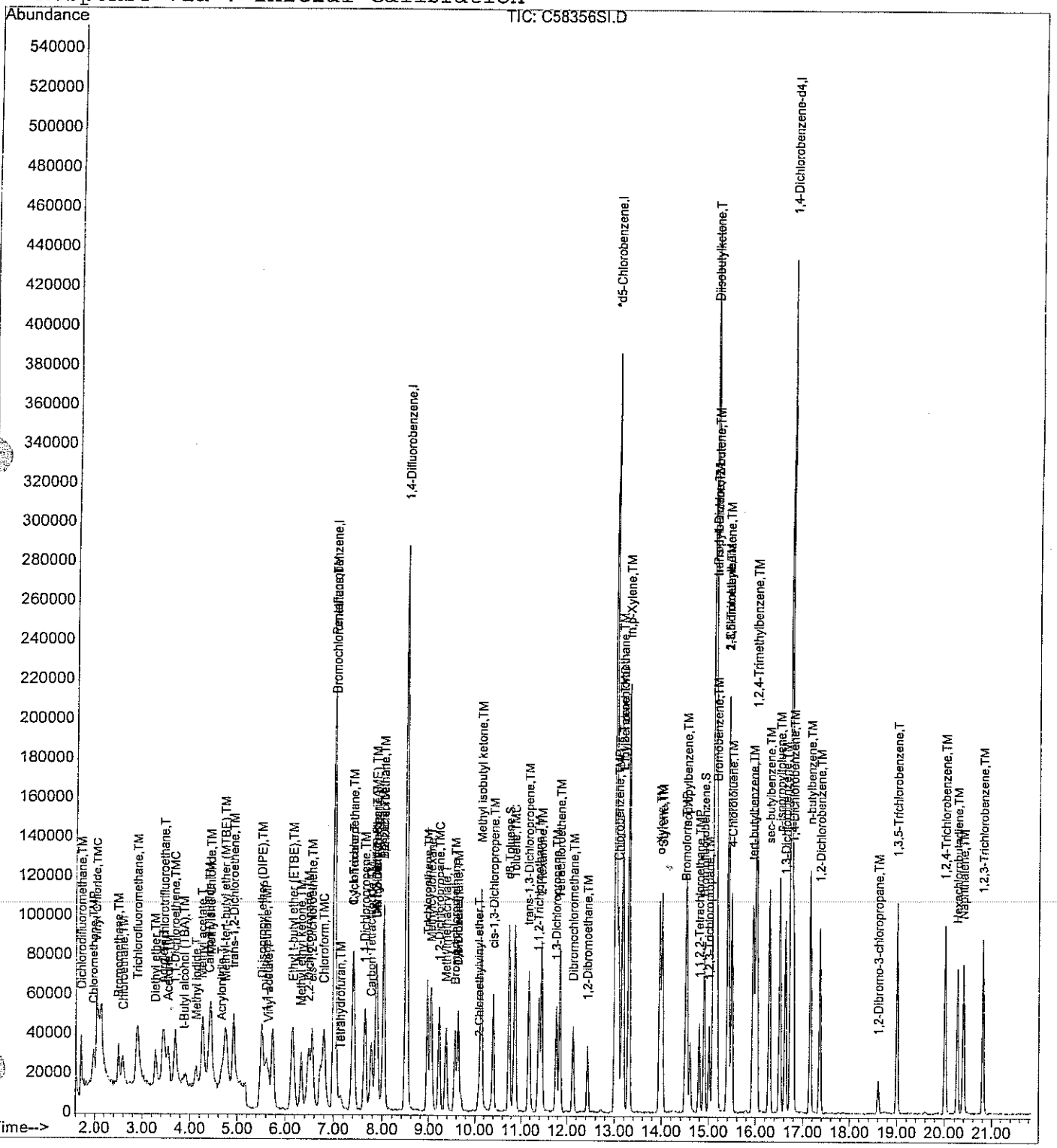
Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
78)	1,3,5-Trimethylbenzene	15.40	105	101119	4.75	ug/L	96
79)	2-Chlorotoluene	15.40	91	94866	4.71	ug/L	99
80)	4-Chlorotoluene	15.48	91	88756	4.83	ug/L	97
81)	tert-butylbenzene	15.95	119	91394	4.89	ug/L	95
82)	1,2,4-Trimethylbenzene	16.01	105	106149	4.84	ug/L	98
83)	Diisobutylketone	15.11	57	371636	22.85	ug/L	95
84)	sec-butylbenzene	16.29	105	137638	4.75	ug/L	96
85)	p-isopropyltoluene	16.52	119	109811	4.80	ug/L	97
86)	1,3-Dichlorobenzene	16.62	146	60158	4.82	ug/L	98
88)	1,4-Dichlorobenzene	16.79	146	62046	4.55	ug/L	97
89)	n-butylbenzene	17.16	91	103167	4.55	ug/L	100
90)	1,2-Dichlorobenzene	17.36	146	57857	4.67	ug/L	98
92)	1,2-Dibromo-3-chloropropan	18.61	75	5705	3.85	ug/L	94
94)	1,2,4-Trichlorobenzene	20.02	180	46235	4.28	ug/L	99
95)	Hexachlorobutadiene	20.25	225	22640	4.06	ug/L	97
96)	Naphthalene	20.40	128	88593	4.35	ug/L	100
97)	1,2,3-Trichlorobenzene	20.81	180	43883	4.48	ug/L	99
98)	1,3,5-Trichlorobenzene	19.00	180	54024	4.50	ug/L	99

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\041706C\C58356SI.D Vial: 5
Acq On : 17 Apr 2006 1:11 pm Operator:
Sample : 5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 17 13:55 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Apr 17 15:48:39 2006
Response via : Initial Calibration



Data File : D:\HPCHEM\1\DATA\041706C\C58357SI.D Vial: 6
Acq On : 17 Apr 2006 1:44 pm Operator:
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 13:57 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/18/06 4.18.06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	241982	20.00	ug/L	-0.01
39) 1,4-Difluorobenzene	8.49	114	389266	20.00	ug/L	-0.01
63) *d5-Chlorobenzene	13.02	117	349891	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.74	152	169896	20.00	ug/L	-0.01
System Monitoring Compounds						
28) DB Holder #28	7.87	65	180354	17.12	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 85.60%			
36) d4-1,2-Dichloroethane	7.87	65	180354	17.12	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 85.60%			
54) d8-Toluene	10.74	98	420629	18.77	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 93.85%			
73) Bromofluorobenzene	14.89	95	165886	17.41	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 87.05%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.70	85	159782	21.42	ug/L	96
3) Chloromethane	1.95	50	160680	19.13	ug/L	100
4) Vinyl Chloride	2.03	62	161840	19.68	ug/L	99
5) Bromomethane	2.48	94	94417	19.21	ug/L	98
6) Chloroethane	2.57	64	73888	17.60	ug/L	94
7) t-Butyl alcohol (TBA)	3.90	59	60544	72.87	ug/L	99
8) Trichlorofluoromethane	2.87	101	296321	19.51	ug/L	96
9) Diethyl ether	3.27	74	44528	16.74	ug/L	98
10) 1,1,2-Trichlorotrifluoroet	3.45	101	114015	16.57	ug/L	99
11) Acrolein	3.43	56	60014	78.30	ug/L	92
12) Acetone	3.53	43	193615	75.63	ug/L	99
13) 1,1-Dichloroethene	3.67	96	83984	17.33	ug/L	94
14) Methyl iodide	4.12	142	133924	19.53	ug/L	98
15) Di-isopropyl ether (DIPE)	5.51	45	421112	17.54	ug/L	96
16) Methylene Chloride	4.43	84	90038	16.90	ug/L	98
17) Carbon Disulfide	4.39	76	273752	15.50	ug/L	100
18) Acrylonitrile	4.66	53	41195	16.65	ug/L	96
19) Methyl-tert-butyl ether (M	4.74	73	317478	15.94	ug/L	100
20) trans-1,2-Dichloroethene	4.91	61	203872	16.67	ug/L	98
21) 1,1-Dichloroethane	5.60	63	237495	17.68	ug/L	98
22) Vinyl acetate	5.65	43	227086	17.50	ug/L #	95
23) Methyl ethyl ketone	6.32	72	50353	88.97	ug/L	92
24) Ethyl t-butyl ether (ETBE)	6.15	59	392054	17.48	ug/L	98
25) 2,2-Dichloropropane	6.47	77	178579	18.07	ug/L	97
26) cis-1,2-Dichloroethene	6.54	96	135789	19.56	ug/L	98
27) t-Amyl methyl ether (TAME)	7.87	73	279919	17.35	ug/L	99

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\041706C\C58357SI.D Vial: 6
Acq On : 17 Apr 2006 1:44 pm Operator:
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 13:57 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	Chloroform	6.80	83	228169	18.88 ug/L	100
30)	Bromochloromethane	7.03	128	72108	19.87 ug/L	94
31)	Tetrahydrofuran	7.14	71	10983	17.53 ug/L	98
32)	1,1,1-Trichloroethane	7.39	97	204816	17.92 ug/L	97
34)	1,1-Dichloropropene	7.64	75	162716	18.13 ug/L	95
35)	Carbon Tetrachloride	7.77	119	175531	18.41 ug/L	96
37)	1,2-Dichloroethane	8.02	62	224746	17.73 ug/L	97
38)	Benzene	8.02	78	382078	16.87 ug/L	96
40)	Trichloroethene	8.96	95	132553	18.13 ug/L	95
41)	1,2-Dichloropropane	9.22	63	125366	18.13 ug/L	99
42)	Methylmethacrylate	9.37	69	75016	17.11 ug/L	97
43)	Methyl acetate	4.24	43	111565	16.95 ug/L	96
44)	Cyclohexane	7.40	56	198917	17.50 ug/L	98
45)	Bromodichloromethane	9.56	83	168159	18.22 ug/L	99
46)	Dibromomethane	9.63	93	100361	18.88 ug/L	97
47)	1,4-Dioxane	9.65	88	30580	434.36 ug/L	95
48)	Methylcyclohexane	9.05	83	166465	18.71 ug/L	98
50)	2-Chloroethylvinyl ether	10.08	63	41010	15.88 ug/L	98
51)	2-Hexanone	11.43	58	208045	80.26 ug/L	100
52)	Methyl isobutyl ketone	10.13	58	216516	80.30 ug/L	100
53)	cis-1,3-Dichloropropene	10.40	75	187106	18.35 ug/L	99
55)	Toluene	10.86	92	256304	18.67 ug/L	99
56)	trans-1,3-Dichloropropene	11.16	75	179725	18.38 ug/L	98
58)	1,1,2-Trichloroethane	11.38	83	83918	18.69 ug/L	98
59)	1,3-Dichloropropane	11.76	76	165841	18.03 ug/L	95
60)	Tetrachloroethene	11.84	166	156035	18.33 ug/L	99
61)	Dibromochloromethane	12.13	129	143980	18.38 ug/L	96
62)	1,2-Dibromoethane	12.43	107	143407	17.86 ug/L	100
64)	Chlorobenzene	13.08	112	337379	18.62 ug/L	96
65)	1,1,1,2-Tetrachloroethane	13.15	131	124678	19.37 ug/L	94
66)	Ethylbenzene	13.18	91	503340	19.01 ug/L	98
67)	m,p-Xylene	13.30	106	398786	39.25 ug/L	93
68)	o-Xylene	13.96	106	194052	19.27 ug/L	95
69)	Styrene	14.02	104	346648	19.94 ug/L	96
70)	Bromoform	14.50	173	114132	18.85 ug/L	97
71)	Isopropylbenzene	14.52	105	517748	19.09 ug/L	97
72)	1,1,2,2-Tetrachloroethane	14.79	83	131565	17.90 ug/L	99
74)	1,2,3-Trichloropropane	15.01	75	98179	17.50 ug/L	95
75)	trans-1,4-Dichloro-2-buten	15.14	89	39920	17.42 ug/L	98
76)	n-Propylbenzene	15.15	91	567048	18.36 ug/L	98
77)	Bromobenzene	15.17	156	146025	19.33 ug/L	97

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\041706C\C58357SI.D Vial: 6
Acq On : 17 Apr 2006 1:44 pm Operator:
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 13:57 2006 Quant Results File: V804176C.RES

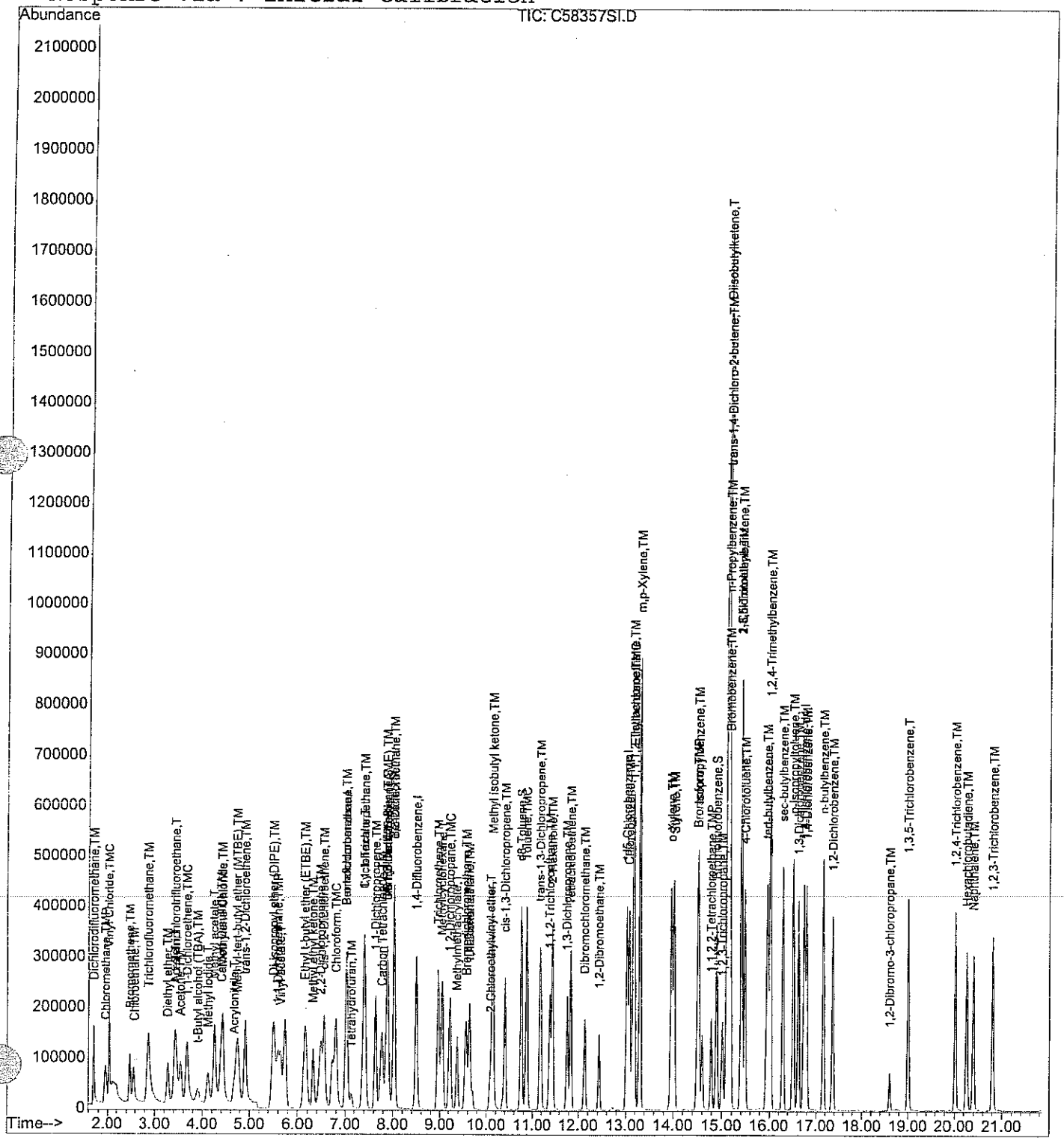
Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
78)	1,3,5-Trimethylbenzene	15.41	105	419679	18.95	ug/L	96
79)	2-Chlorotoluene	15.40	91	386718	18.48	ug/L	100
80)	4-Chlorotoluene	15.48	91	362836	19.01	ug/L	99
81)	tert-butylbenzene	15.95	119	363942	18.75	ug/L	99
82)	1,2,4-Trimethylbenzene	16.01	105	421021	18.48	ug/L	98
83)	Diisobutylketone	15.11	57	1479612	87.53	ug/L	98
84)	sec-butylbenzene	16.28	105	572582	19.01	ug/L	98
85)	p-isopropyltoluene	16.51	119	458136	19.25	ug/L	97
86)	1,3-Dichlorobenzene	16.62	146	245027	18.90	ug/L	99
88)	1,4-Dichlorobenzene	16.79	146	247947	18.14	ug/L	99
89)	n-butylbenzene	17.15	91	416723	18.31	ug/L	100
90)	1,2-Dichlorobenzene	17.36	146	224124	18.02	ug/L	99
92)	1,2-Dibromo-3-chloropropan	18.60	75	24421	16.43	ug/L	96
94)	1,2,4-Trichlorobenzene	20.01	180	194811	18.00	ug/L	98
95)	Hexachlorobutadiene	20.26	225	97715	17.49	ug/L	93
96)	Naphthalene	20.40	128	346115	16.96	ug/L	100
97)	1,2,3-Trichlorobenzene	20.81	180	171917	17.51	ug/L	97
98)	1,3,5-Trichlorobenzene	19.01	180	217683	18.09	ug/L	97

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\041706C\C58357SI.D Vial: 6
Acq On : 17 Apr 2006 1:44 pm Operator:
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 17 13:57 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Apr 17 15:48:39 2006
Response via : Initial Calibration



Data File : D:\HPCHEM\1\DATA\041706C\C58358SI.D Vial: 7
Acq On : 17 Apr 2006 2:24 pm Operator:
Sample : 50 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 14:25 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/18/06

4-18-06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.01	168	229040	20.00	ug/L	-0.02
39) 1,4-Difluorobenzene	8.50	114	367442	20.00	ug/L	0.00
63) *d5-Chlorobenzene	13.02	117	333852	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.75	152	164964	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.88	65	431526	43.28	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 216.40%#			
36) d4-1,2-Dichloroethane	7.88	65	431526	43.28	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 216.40%#			
54) d8-Toluene	10.74	98	972489	45.96	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 229.80%#			
73) Bromofluorobenzene	14.90	95	396687	43.63	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 218.15%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.69	85	383403	54.29	ug/L	98
3) Chloromethane	1.94	50	438601	55.16	ug/L	97
4) Vinyl Chloride	2.02	62	387069	49.72	ug/L	99
5) Bromomethane	2.44	94	250030	53.74	ug/L	98
6) Chloroethane	2.53	64	186457	46.93	ug/L	97
7) t-Butyl alcohol (TBA)	3.95	59	144334	183.53	ug/L #	92
8) Trichlorofluoromethane	2.85	101	709938	49.37	ug/L	97
9) Diethyl ether	3.27	74	104210	41.38	ug/L	96
10) 1,1,2-Trichlorotrifluoroet	3.42	101	272623	41.85	ug/L	98
11) Acrolein	3.43	56	136025	187.50	ug/L	97
12) Acetone	3.55	43	462242	190.76	ug/L	100
13) 1,1-Dichloroethene	3.65	96	203548	44.38	ug/L	96
14) Methyl iodide	4.10	142	382269	58.89	ug/L	96
15) Di-isopropyl ether (DIPE)	5.51	45	998677	43.96	ug/L	95
16) Methylene Chloride	4.41	84	209519	41.55	ug/L	93
17) Carbon Disulfide	4.36	76	671785	40.20	ug/L	100
18) Acrylonitrile	4.66	53	98321	41.98	ug/L	96
19) Methyl-tert-butyl ether (M	4.74	73	759986	40.32	ug/L	99
20) trans-1,2-Dichloroethene	4.90	61	505722	43.70	ug/L	100
21) 1,1-Dichloroethane	5.59	63	571356	44.95	ug/L	96
22) Vinyl acetate	5.65	43	556927	45.35	ug/L #	95
23) Methyl ethyl ketone	6.32	72	115416	215.45	ug/L	97
24) Ethyl t-butyl ether (ETBE)	6.15	59	938622	44.22	ug/L	99
25) 2,2-Dichloropropane	6.47	77	435353	46.55	ug/L	99
26) cis-1,2-Dichloroethene	6.54	96	320642	48.80	ug/L	96
27) t-Amyl methyl ether (TAME)	7.88	73	657739	43.07	ug/L	97

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\041706C\C58358SI.D Vial: 7
Acq On : 17 Apr 2006 2:24 pm Operator:
Sample : 50 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 14:25 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	Chloroform	6.79	83	535536	46.82 ug/L	99
30)	Bromochloromethane	7.03	128	173871	50.61 ug/L	94
31)	Tetrahydrofuran	7.13	71	27245	45.94 ug/L	86
32)	1,1,1-Trichloroethane	7.38	97	504115	46.60 ug/L	99
34)	1,1-Dichloropropene	7.64	75	391730	46.11 ug/L	98
35)	Carbon Tetrachloride	7.77	119	443821	49.19 ug/L	97
37)	1,2-Dichloroethane	8.01	62	540964	45.08 ug/L	98
38)	Benzene	8.02	78	877920	40.95 ug/L	99
40)	Trichloroethene	8.96	95	320590	46.47 ug/L	94
41)	1,2-Dichloropropane	9.23	63	294791	45.15 ug/L	99
42)	Methylmethacrylate	9.37	69	174669	42.20 ug/L	99
43)	Methyl acetate	4.24	43	251467	40.47 ug/L	100
44)	Cyclohexane	7.39	56	477897	44.53 ug/L	99
45)	Bromodichloromethane	9.56	83	408651	46.91 ug/L	96
46)	Dibromomethane	9.63	93	238925	47.61 ug/L	94
47)	1,4-Dioxane	9.65	88	68240	1026.86 ug/L	99
48)	Methylcyclohexane	9.05	83	393979	46.91 ug/L	99
50)	2-Chloroethylvinyl ether	10.07	63	127273	46.92 ug/L	96
51)	2-Hexanone	11.44	58	478505	195.57 ug/L	99
52)	Methyl isobutyl ketone	10.13	58	494304	194.21 ug/L	100
53)	cis-1,3-Dichloropropene	10.40	75	456275	47.41 ug/L	98
55)	Toluene	10.86	92	593997	45.83 ug/L	100
56)	trans-1,3-Dichloropropene	11.16	75	443788	48.09 ug/L	97
58)	1,1,2-Trichloroethane	11.38	83	193877	45.74 ug/L	97
59)	1,3-Dichloropropane	11.76	76	382659	44.08 ug/L	99
60)	Tetrachloroethene	11.84	166	394317	49.08 ug/L	98
61)	Dibromochloromethane	12.13	129	363813	49.20 ug/L	100
62)	1,2-Dibromoethane	12.43	107	348720	46.00 ug/L	98
64)	Chlorobenzene	13.08	112	825376	47.74 ug/L	96
65)	1,1,1,2-Tetrachloroethane	13.15	131	301491	49.09 ug/L	98
66)	Ethylbenzene	13.18	91	1176420	46.57 ug/L	98
67)	m,p-Xylene	13.30	106	915009	94.39 ug/L	99
68)	o-Xylene	13.96	106	459739	47.85 ug/L	99
69)	Styrene	14.02	104	799658	48.21 ug/L	99
70)	Bromoform	14.50	173	283771	49.12 ug/L	98
71)	Isopropylbenzene	14.52	105	1233911	47.68 ug/L	98
72)	1,1,2,2-Tetrachloroethane	14.79	83	315331	44.97 ug/L	98
74)	1,2,3-Trichloropropane	15.01	75	233731	43.66 ug/L	96
75)	trans-1,4-Dichloro-2-buten	15.14	89	97181	44.44 ug/L	99
76)	n-Propylbenzene	15.15	91	1331264	45.17 ug/L	97
77)	Bromobenzene	15.18	156	349581	48.50 ug/L	91

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\041706C\C58358SI.D Vial: 7
Acq On : 17 Apr 2006 2:24 pm Operator:
Sample : 50 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 14:25 2006 Quant Results File: V804176C.RES

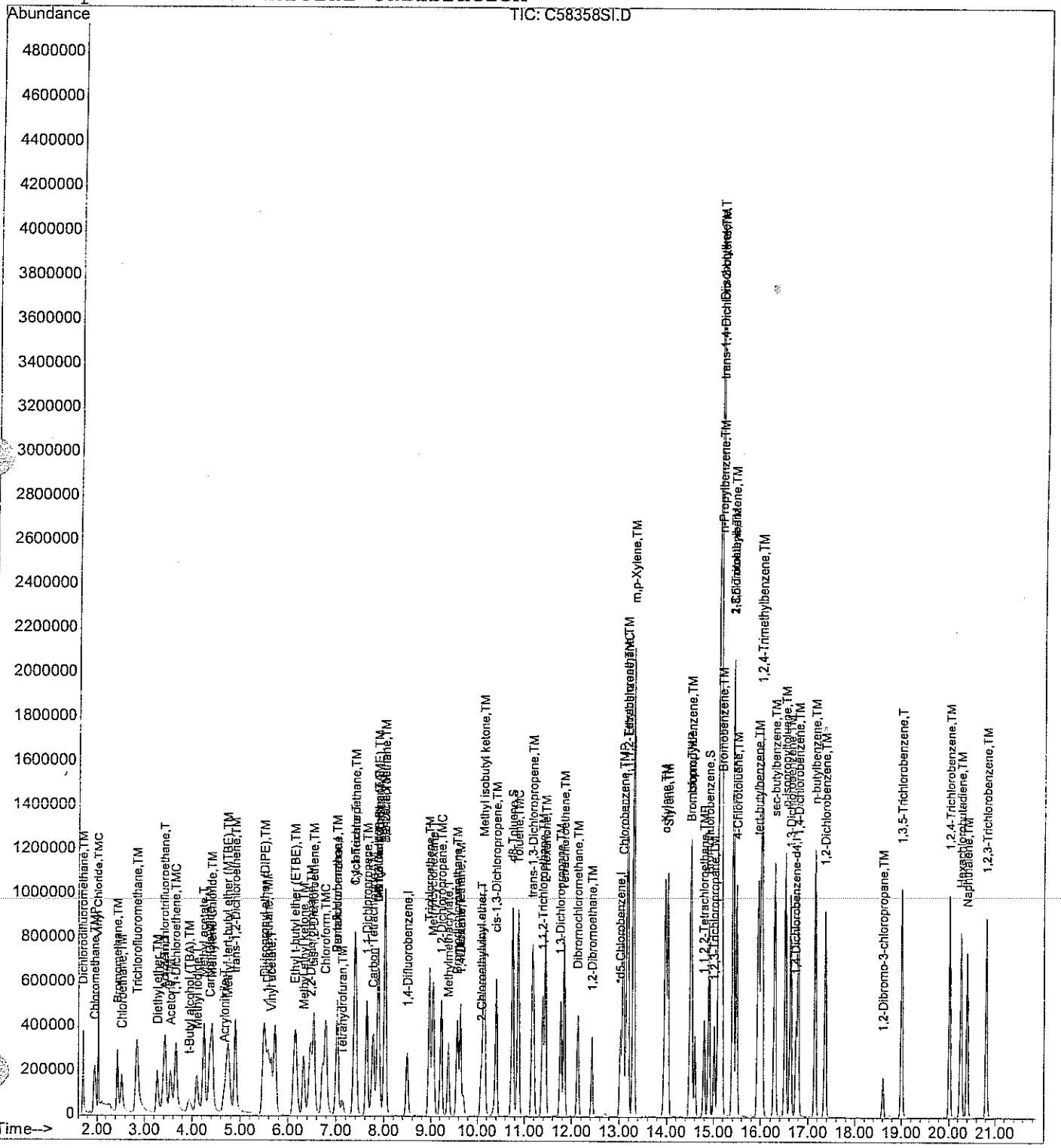
Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
78)	1,3,5-Trimethylbenzene	15.41	105	1001315	47.38	ug/L	100
79)	2-Chlorotoluene	15.41	91	934127	46.78	ug/L	99
80)	4-Chlorotoluene	15.49	91	862086	47.33	ug/L	98
81)	tert-butylbenzene	15.95	119	875736	47.29	ug/L	100
82)	1,2,4-Trimethylbenzene	16.01	105	1016908	46.77	ug/L	99
83)	Diisobutylketone	15.11	57	3444112	213.52	ug/L	98
84)	sec-butylbenzene	16.29	105	1358237	47.25	ug/L	97
85)	p-isopropyltoluene	16.51	119	1095665	48.26	ug/L	99
86)	1,3-Dichlorobenzene	16.62	146	589193	47.63	ug/L	99
88)	1,4-Dichlorobenzene	16.79	146	602585	45.40	ug/L	99
89)	n-butylbenzene	17.15	91	1006185	45.54	ug/L	99
90)	1,2-Dichlorobenzene	17.36	146	554123	45.89	ug/L	98
92)	1,2-Dibromo-3-chloropropan	18.60	75	62353	43.20	ug/L	98
94)	1,2,4-Trichlorobenzene	20.01	180	491445	46.77	ug/L	99
95)	Hexachlorobutadiene	20.26	225	260723	48.06	ug/L	99
96)	Naphthalene	20.40	128	857360	43.27	ug/L	100
97)	1,2,3-Trichlorobenzene	20.81	180	445201	46.70	ug/L	96
98)	1,3,5-Trichlorobenzene	19.01	180	547756	46.88	ug/L	98

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\041706C\C58358SI.D Vial: 7
Acq On : 17 Apr 2006 2:24 pm Operator:
Sample : 50 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 17 14:25 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Apr 17 15:48:39 2006
Response via : Initial Calibration



Data File : D:\HPCHEM\1\DATA\041706C\C58359SI.D Vial: 8
Acq On : 17 Apr 2006 2:24 pm Operator:
Sample : 100 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 14:45 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/18/06

4-18-06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.01	168	218019	20.00	ug/L	-0.02
39) 1,4-Difluorobenzene	8.49	114	348915	20.00	ug/L	-0.02
63) *d5-Chlorobenzene	13.03	117	327955	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.74	152	162161	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.88	65	836207	88.11	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 440.55%#			
36) d4-1,2-Dichloroethane	7.88	65	836207	88.11	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 440.55%#			
54) d8-Toluene	10.75	98	1818597	90.51	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 452.55%#			
73) Bromofluorobenzene	14.90	95	749084	83.87	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 419.35%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.71	85	733564	109.13	ug/L	98
3) Chloromethane	1.97	50	892225	117.87	ug/L	96
4) Vinyl Chloride	2.02	62	715967	96.62	ug/L	97
5) Bromomethane	2.47	94	117050	26.43	ug/L	95
6) Chloroethane	2.51	64	377869	99.91	ug/L	92
7) t-Butyl alcohol (TBA)	4.08	59	297502m	397.42	ug/L	
8) Trichlorofluoromethane	2.82	101	1401291	102.38	ug/L	97
9) Diethyl ether	3.29	74	195436	81.53	ug/L	94
10) 1,1,2-Trichlorotrifluoroet	3.40	101	510605	82.34	ug/L	98
11) Acrolein	3.45	56	246605	357.11	ug/L	99
12) Acetone	3.60	43	925206	401.12	ug/L	99
13) 1,1-Dichloroethene	3.64	96	371224	85.04	ug/L	99
14) Methyl iodide	4.09	142	514675	83.30	ug/L	98
15) Di-isopropyl ether (DIPE)	5.53	45	1808783	83.64	ug/L	95
16) Methylene Chloride	4.42	84	402292	83.81	ug/L	98
17) Carbon Disulfide	4.36	76	1318762	82.90	ug/L	100
18) Acrylonitrile	4.69	53	197424	88.55	ug/L	98
19) Methyl-tert-butyl ether (M	4.76	73	1504247	83.85	ug/L	99
20) trans-1,2-Dichloroethene	4.89	61	974950	88.51	ug/L	99
21) 1,1-Dichloroethane	5.59	63	1052994	87.02	ug/L	97
22) Vinyl acetate	5.66	43	939371	80.36	ug/L #	97
23) Methyl ethyl ketone	6.35	72	225384	442.00	ug/L	98
24) Ethyl t-butyl ether (ETBE)	6.16	59	1766353	87.42	ug/L	99
25) 2,2-Dichloropropane	6.47	77	812751	91.29	ug/L	98
26) cis-1,2-Dichloroethene	6.55	96	598273	95.66	ug/L	95
27) t-Amyl methyl ether (TAME)	7.88	73	1243966	85.58	ug/L	98

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\041706C\C58359SI.D Vial: 8
Acq On : 17 Apr 2006 2:24 pm Operator:
Sample : 100 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 14:45 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
29)	Chloroform	6.79	83	1018429	93.53	ug/L	98
30)	Bromochloromethane	7.03	128	319938	97.84	ug/L	97
31)	Tetrahydrofuran	7.15	71	53500	94.76	ug/L	86
32)	1,1,1-Trichloroethane	7.39	97	953692	92.61	ug/L	99
34)	1,1-Dichloropropene	7.63	75	724471	89.59	ug/L	98
35)	Carbon Tetrachloride	7.76	119	839681	97.76	ug/L	100
37)	1,2-Dichloroethane	8.02	62	1026767	89.90	ug/L	99
38)	Benzene	8.02	78	1590709	77.94	ug/L	99
40)	Trichloroethene	8.95	95	593383	90.57	ug/L	98
41)	1,2-Dichloropropane	9.22	63	544840	87.89	ug/L	99
42)	Methylmethacrylate	9.38	69	358692	91.27	ug/L	99
43)	Methyl acetate	4.27	43	531306	90.04	ug/L	99
44)	Cyclohexane	7.39	56	868092	85.18	ug/L	100
45)	Bromodichloromethane	9.56	83	791571	95.69	ug/L	97
46)	Dibromomethane	9.63	93	429427	90.12	ug/L	97
47)	1,4-Dioxane	9.66	88	143594	2275.50	ug/L	99
48)	Methylcyclohexane	9.04	83	732178	91.81	ug/L	99
50)	2-Chloroethylvinyl ether	10.08	63	195322	73.24	ug/L	95
51)	2-Hexanone	11.45	58	960958	413.60	ug/L	98
52)	Methyl isobutyl ketone	10.15	58	978290	404.78	ug/L	100
53)	cis-1,3-Dichloropropene	10.40	75	857031	93.79	ug/L	99
55)	Toluene	10.87	92	1127799	91.63	ug/L	100
56)	trans-1,3-Dichloropropene	11.16	75	832498	95.00	ug/L	99
58)	1,1,2-Trichloroethane	11.38	83	372591	92.57	ug/L	98
59)	1,3-Dichloropropane	11.76	76	740967	89.88	ug/L	96
60)	Tetrachloroethene	11.84	166	740753	97.10	ug/L	98
61)	Dibromochloromethane	12.13	129	701810	99.94	ug/L	98
62)	1,2-Dibromoethane	12.43	107	658488	91.48	ug/L	99
64)	Chlorobenzene	13.07	112	1535173	90.39	ug/L	98
65)	1,1,1,2-Tetrachloroethane	13.15	131	590381	97.87	ug/L	96
66)	Ethylbenzene	13.18	91	2206624	88.91	ug/L	99
67)	m,p-Xylene	13.30	106	1663060	174.64	ug/L	90
68)	o-Xylene	13.96	106	856364	90.73	ug/L	96
69)	Styrene	14.02	104	1522806	93.47	ug/L	97
70)	Bromoform	14.49	173	572014	100.79	ug/L	97
71)	Isopropylbenzene	14.52	105	2237491	88.02	ug/L	100
72)	1,1,2,2-Tetrachloroethane	14.79	83	617701	89.69	ug/L	99
74)	1,2,3-Trichloropropane	15.02	75	461503	87.75	ug/L	96
75)	trans-1,4-Dichloro-2-buten	15.15	89	192775	89.73	ug/L	94
76)	n-Propylbenzene	15.16	91	2388196	82.49	ug/L	100
77)	Bromobenzene	15.18	156	648335	91.56	ug/L	99

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\041706C\C58359SI.D Vial: 8
Acq On : 17 Apr 2006 2:24 pm Operator:
Sample : 100 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 14:45 2006 Quant Results File: V804176C.RES

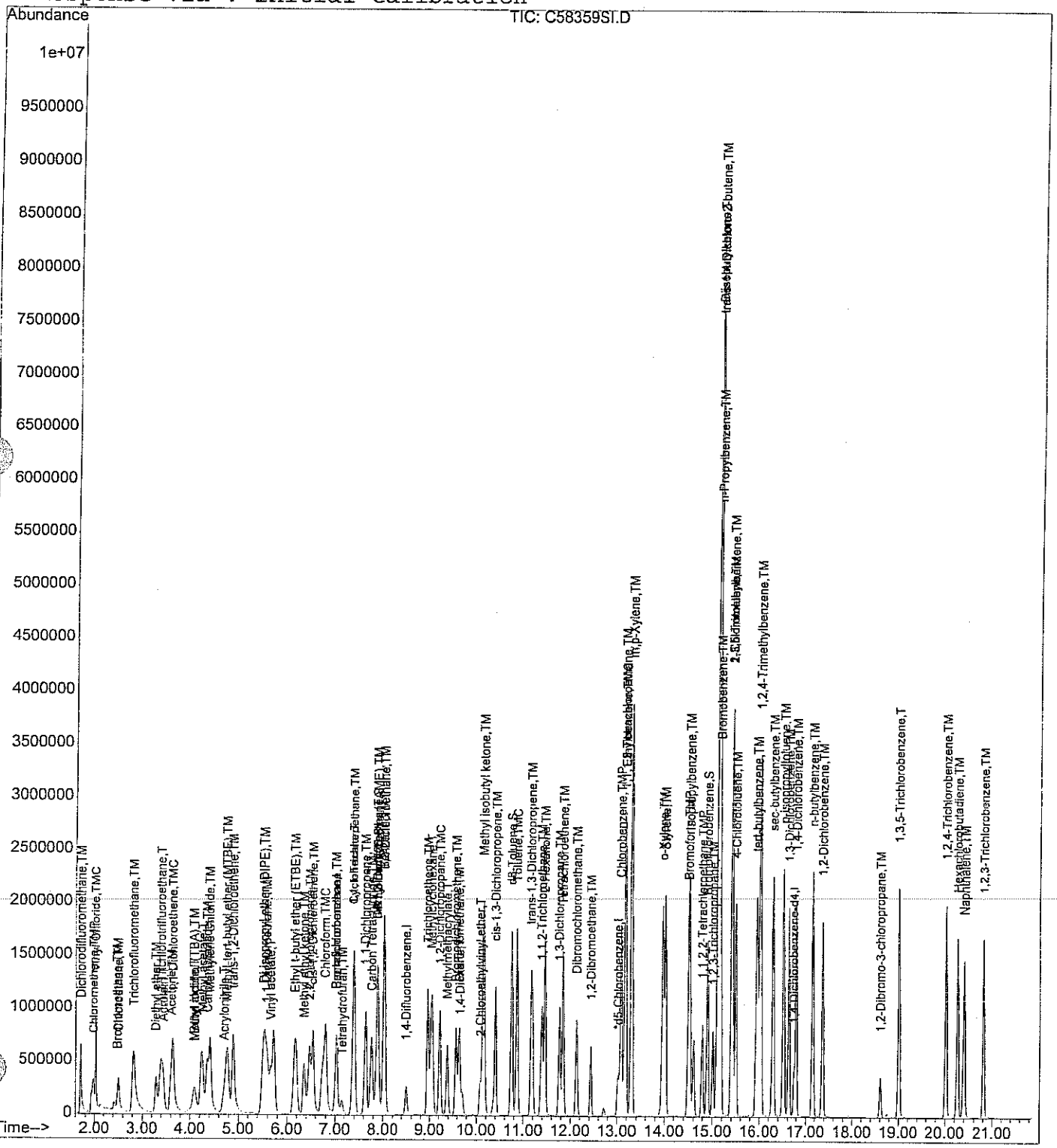
Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
78)	1,3,5-Trimethylbenzene	15.41	105	1910868	92.05	ug/L	96
79)	2-Chlorotoluene	15.40	91	1781838	90.84	ug/L	96
80)	4-Chlorotoluene	15.49	91	1648623	92.14	ug/L	99
81)	tert-butylbenzene	15.95	119	1704636	93.70	ug/L	99
82)	1,2,4-Trimethylbenzene	16.01	105	1937861	90.73	ug/L	98
83)	Diisobutylketone	15.12	57	6916743	436.52	ug/L	95
84)	sec-butylbenzene	16.29	105	2606133	92.29	ug/L	97
85)	p-isopropyltoluene	16.52	119	2127205	95.38	ug/L	99
86)	1,3-Dichlorobenzene	16.62	146	1146471	94.34	ug/L	100
88)	1,4-Dichlorobenzene	16.79	146	1165878	89.35	ug/L	99
89)	n-butylbenzene	17.16	91	1904533	87.70	ug/L	99
90)	1,2-Dichlorobenzene	17.36	146	1063773	89.62	ug/L	99
92)	1,2-Dibromo-3-chloropropan	18.61	75	129787	91.47	ug/L	99
94)	1,2,4-Trichlorobenzene	20.02	180	1004908	97.28	ug/L	99
95)	Hexachlorobutadiene	20.26	225	530117	99.42	ug/L	99
96)	Naphthalene	20.40	128	1713371	87.96	ug/L	100
97)	1,2,3-Trichlorobenzene	20.82	180	878205	93.72	ug/L	97
98)	1,3,5-Trichlorobenzene	19.00	180	1126635	98.09	ug/L	99

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\041706C\C58359SI.D Vial: 8
Acq On : 17 Apr 2006 2:24 pm Operator:
Sample : 100 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 17 14:45 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Apr 17 15:48:39 2006
Response via : Initial Calibration



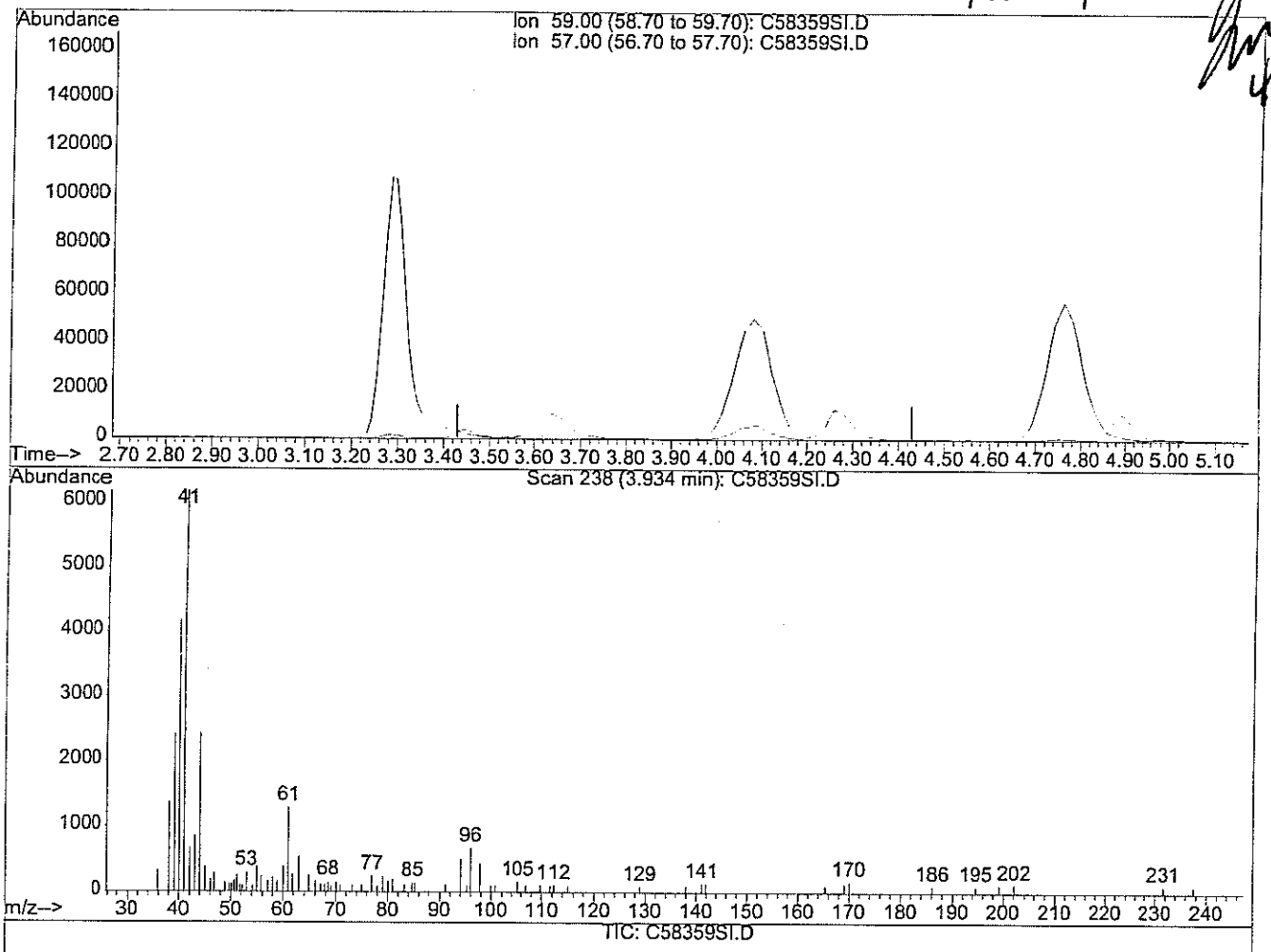
Data File : D:\HPCHEM\1\DATA\041706C\C58359SI.D
Acq On : 17 Apr 2006 2:24 pm
Sample : 100 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Apr 17 14:45 2006

Vial: 8
Operator:
Inst : Instr_C
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Multiple Level Calibration

MT 4/18/06
missed peak

4.18.06



(7) t-Butyl alcohol (TBA) (TM)

3.93min 0.00ug/L

response 0

Ion	Exp%	Act%
59.00	100	0.00
57.00	14.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

C58359SI.D V804176C.M Mon Apr 17 14:45:33 2006

Data File : D:\HPCHEM\1\DATA\041706C\C58359SI.D
Acq On : 17 Apr 2006 2:24 pm
Sample : 100 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Apr 17 14:45 2006

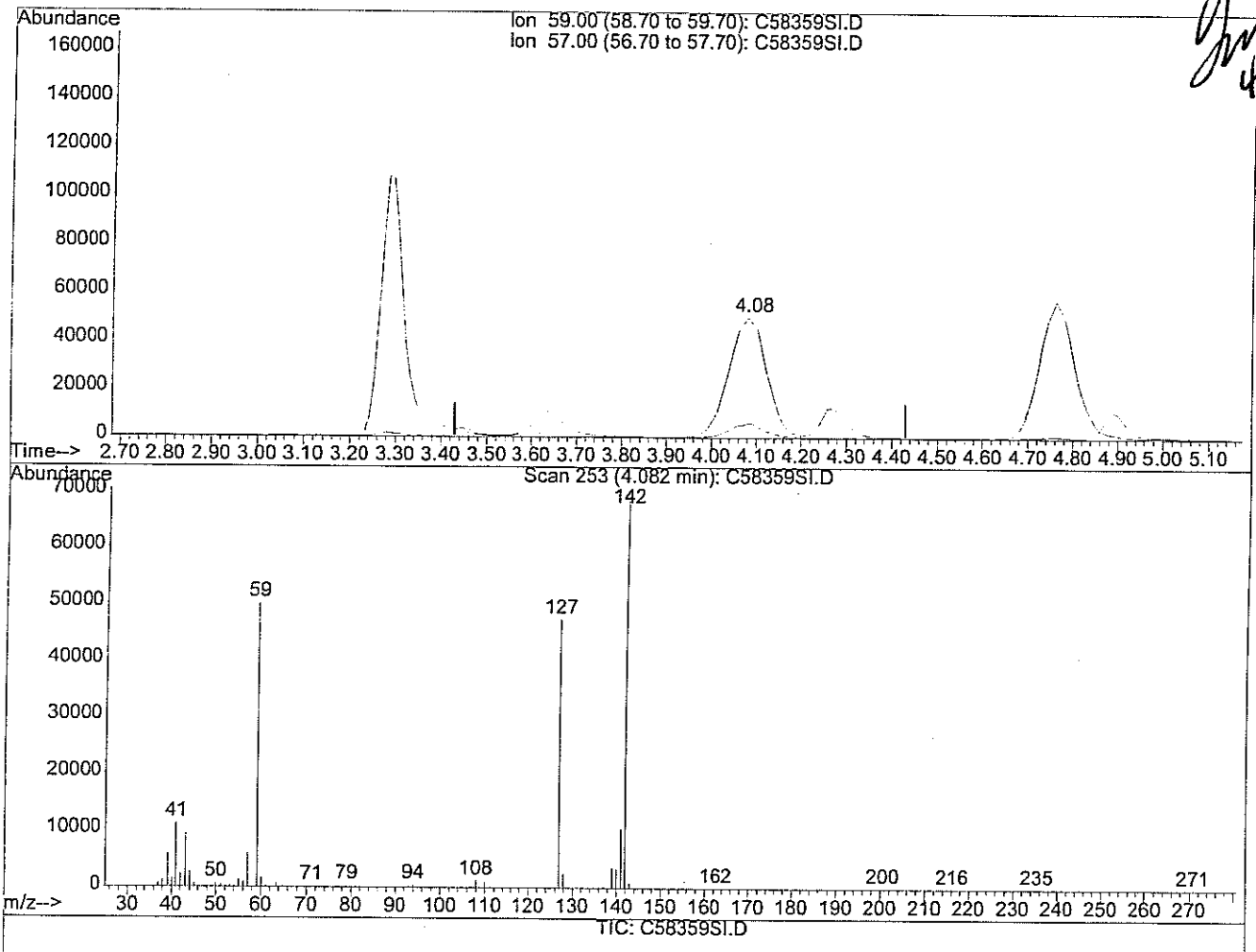
Vial: 8
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Multiple Level Calibration

MT 4/18/06

4.18.06



TIC: C58359SI.D

(7) t-Butyl alcohol (TBA) (TM)

4.08min 397.42ug/L m

response 297502

Ion	Exp%	Act%
59.00	100	100
57.00	14.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Data File : D:\HPCHEM\1\DATA\041706C\C58361SI.D Vial: 10
Acq On : 17 Apr 2006 3:34 pm Operator:
Sample : 2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 15:42 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Apr 17 15:31:16 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/18/06

4.18.06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	253155	20.00	ug/L	0.00
39) 1,4-Difluorobenzene	8.50	114	406676	20.00	ug/L	0.00
63) *d5-Chlorobenzene	13.02	117	354417	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.74	152	175800	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.88	65	19564	1.94	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 9.70%#			
36) d4-1,2-Dichloroethane	7.88	65	19564	1.94	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 9.70%#			
54) d8-Toluene	10.76	98	46415	1.88	ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 9.40%#			
73) Bromofluorobenzene	14.90	95	18806	2.11	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 10.55%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.70	85	16614	1.95	ug/L	92
3) Chloromethane	1.96	50	15333	1.79	ug/L	87
4) Vinyl Chloride	2.04	62	16851	1.92	ug/L	98
5) Bromomethane	2.49	94	8855	1.95	ug/L	91
6) Chloroethane	2.58	64	8917	2.08	ug/L	92
7) t-Butyl alcohol (TBA)	3.86	59	6701	10.20	ug/L	98
8) Trichlorofluoromethane	2.90	101	29962	1.89	ug/L	93
9) Diethyl ether	3.27	74	5695	2.29	ug/L	89
10) 1,1,2-Trichlorotrifluoroet	3.46	101	12884	2.09	ug/L	98
11) Acrolein	3.43	56	5891	10.77	ug/L	85
12) Acetone	3.54	43	21228	9.66	ug/L #	86
13) 1,1-Dichloroethene	3.70	96	8498	1.89	ug/L #	69
14) Methyl iodide	4.13	142	19748	2.82	ug/L	86
15) Di-isopropyl ether (DIPE)	5.51	45	44405	2.00	ug/L	100
16) Methylene Chloride	4.44	84	11346	2.31	ug/L #	83
17) Carbon Disulfide	4.40	76	28735	1.99	ug/L	100
18) Acrylonitrile	4.66	53	3599	1.73	ug/L #	79
19) Methyl-tert-butyl ether (M	4.74	73	29654	1.74	ug/L #	90
20) trans-1,2-Dichloroethene	4.92	61	20603	1.86	ug/L	86
21) 1,1-Dichloroethane	5.61	63	26000	2.06	ug/L	95
22) Vinyl acetate	5.66	43	21211	2.01	ug/L #	95
23) Methyl ethyl ketone	6.32	72	5460	10.16	ug/L	97
24) Ethyl t-butyl ether (ETBE)	6.16	59	40660	1.95	ug/L #	88
25) 2,2-Dichloropropane	6.48	77	19058	1.96	ug/L	98
26) cis-1,2-Dichloroethene	6.56	96	14831	2.07	ug/L	91
27) t-Amyl methyl ether (TAME)	7.89	73	28370	1.95	ug/L	95

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\041706C\C58361SI.D Vial: 10
Acq On : 17 Apr 2006 3:34 pm Operator:
Sample : 2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 15:42 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Apr 17 15:31:16 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29) Chloroform	6.80	83	23725	1.99 ug/L	89
30) Bromochloromethane	7.04	128	6983	1.84 ug/L #	90
31) Tetrahydrofuran	7.16	71	1215	2.09 ug/L #	72
32) 1,1,1-Trichloroethane	7.40	97	20514	1.89 ug/L	100
34) 1,1-Dichloropropene	7.64	75	17790	2.06 ug/L	91
35) Carbon Tetrachloride	7.77	119	15639	1.75 ug/L	92
37) 1,2-Dichloroethane	8.03	62	23101	1.96 ug/L	98
38) Benzene	8.03	78	41799	2.03 ug/L	98
40) Trichloroethene	8.96	95	14553	2.03 ug/L	97
41) 1,2-Dichloropropane	9.23	63	13473	2.00 ug/L	98
42) Methylmethacrylate	9.38	69	7577	1.82 ug/L	94
43) Methyl acetate	4.25	43	9059	1.47 ug/L #	84
44) Cyclohexane	7.41	56	22128	2.03 ug/L	96
45) Bromodichloromethane	9.56	83	16768	1.91 ug/L	97
46) Dibromomethane	9.63	93	9948	1.93 ug/L	96
47) 1,4-Dioxane	9.64	88	2904	45.65 ug/L	84
48) Methylcyclohexane	9.05	83	17663	2.03 ug/L	93
50) 2-Chloroethylvinyl ether	10.08	63	2153	2.74 ug/L	96
51) 2-Hexanone	11.45	58	22016	9.84 ug/L	95
52) Methyl isobutyl ketone	10.14	58	22755	9.84 ug/L	98
53) cis-1,3-Dichloropropene	10.40	75	19897	1.99 ug/L	95
55) Toluene	10.86	92	27676	2.09 ug/L	95
56) trans-1,3-Dichloropropene	11.16	75	17829	1.94 ug/L	96
58) 1,1,2-Trichloroethane	11.39	83	8649	1.97 ug/L	95
59) 1,3-Dichloropropane	11.76	76	17145	2.00 ug/L	98
60) Tetrachloroethene	11.85	166	17383	2.03 ug/L	92
61) Dibromochloromethane	12.13	129	13290	1.81 ug/L	99
62) 1,2-Dibromoethane	12.43	107	14575	1.96 ug/L	98
64) Chlorobenzene	13.08	112	37458	2.14 ug/L	91
65) 1,1,1,2-Tetrachloroethane	13.15	131	12477	2.00 ug/L	95
66) Ethylbenzene	13.18	91	55559	2.19 ug/L	93
67) m,p-Xylene	13.30	106	45389	4.45 ug/L	94
68) o-Xylene	13.96	106	21225	2.16 ug/L	99
69) Styrene	14.02	104	36441	2.10 ug/L	92
70) Bromoform	14.49	173	9425	1.71 ug/L	93
71) Isopropylbenzene	14.52	105	56625	2.16 ug/L	98
72) 1,1,2,2-Tetrachloroethane	14.79	83	13626	1.96 ug/L	96
74) 1,2,3-Trichloropropane	15.02	75	10386	2.00 ug/L #	89
75) trans-1,4-Dichloro-2-buten	15.14	89	4003	1.88 ug/L	95
76) n-Propylbenzene	15.15	91	66193	2.27 ug/L	97
77) Bromobenzene	15.17	156	16681	2.23 ug/L	96

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\041706C\C58361SI.D Vial: 10
Acq On : 17 Apr 2006 3:34 pm Operator:
Sample : 2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 15:42 2006 Quant Results File: V804176C.RES

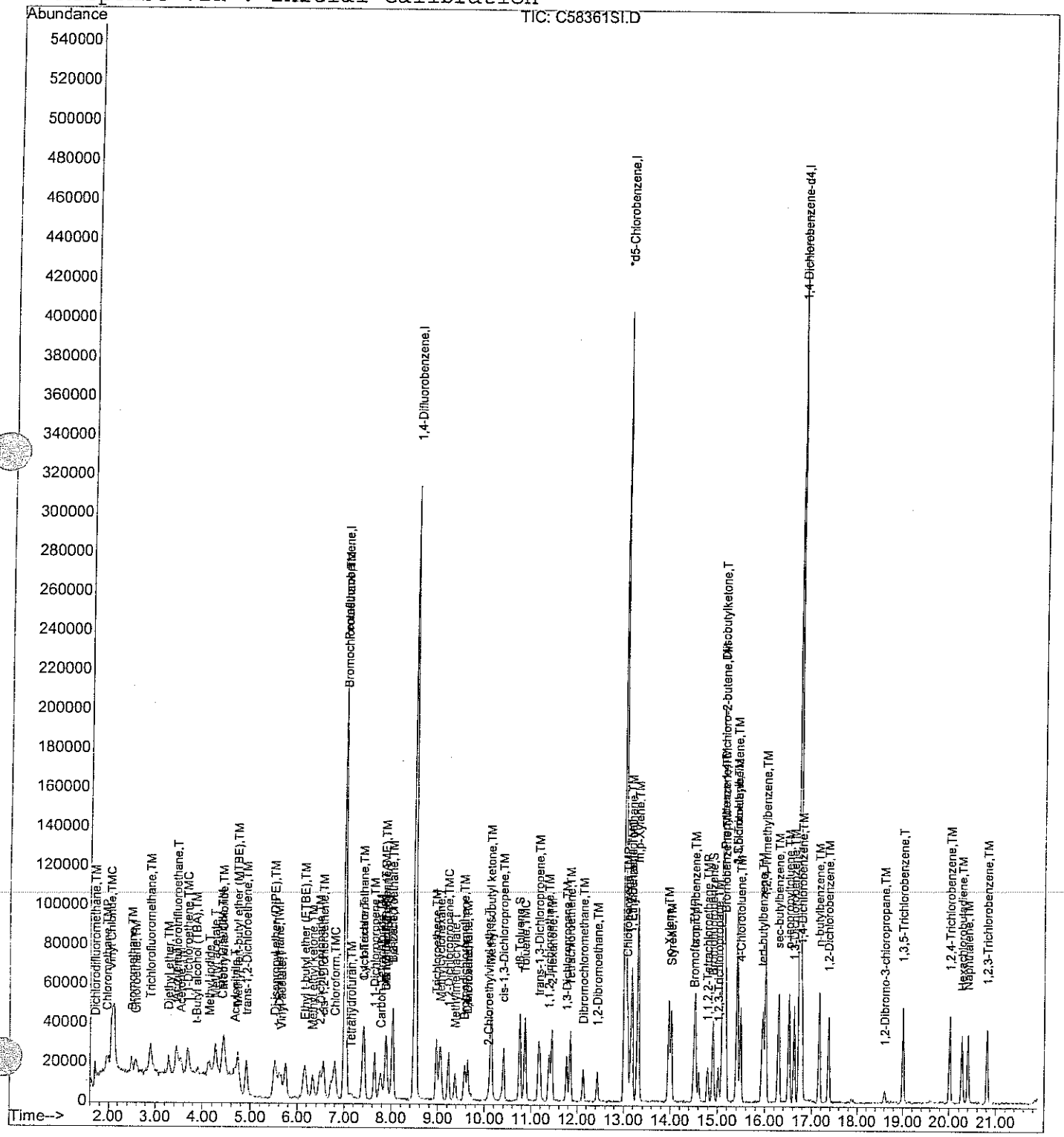
Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Apr 17 15:31:16 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
78) 1,3,5-Trimethylbenzene	15.41	105	47480	2.21	ug/L		97
79) 2-Chlorotoluene	15.40	91	44069	2.20	ug/L		99
80) 4-Chlorotoluene	15.48	91	39903	2.15	ug/L		95
81) tert-butylbenzene	15.95	119	39960	2.09	ug/L		96
82) 1,2,4-Trimethylbenzene	16.01	105	46964	2.12	ug/L		94
83) Diisobutylketone	15.11	57	165280	10.80	ug/L		95
84) sec-butylbenzene	16.29	105	63847	2.18	ug/L		96
85) p-isopropyltoluene	16.52	119	51135	2.17	ug/L		98
86) 1,3-Dichlorobenzene	16.62	146	27633	2.19	ug/L		96
88) 1,4-Dichlorobenzene	16.80	146	28472	2.22	ug/L		94
89) n-butylbenzene	17.16	91	48948	2.28	ug/L		100
90) 1,2-Dichlorobenzene	17.36	146	25744	2.18	ug/L		97
92) 1,2-Dibromo-3-chloropropan	18.61	75	2426	1.88	ug/L	#	88
94) 1,2,4-Trichlorobenzene	20.02	180	21690	2.11	ug/L		98
95) Hexachlorobutadiene	20.26	225	10511	2.01	ug/L		96
96) Naphthalene	20.40	128	39260	2.07	ug/L		100
97) 1,2,3-Trichlorobenzene	20.81	180	19229	2.05	ug/L		97
98) 1,3,5-Trichlorobenzene	19.00	180	24539	2.13	ug/L		96

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\041706C\C58361SI.D Vial: 10
Acq On : 17 Apr 2006 3:34 pm Operator:
Sample : 2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 17 15:42 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Apr 17 15:48:39 2006
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : D:\HPCHEM\1\DATA\042606C\C58563SC.D Vial: 16
Acq On : 26 Apr 2006 10:13 am Operator:
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Multiple Level Calibration

MT 4/27/06 4/27/06 SL

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	102	-0.02
2	TM	Dichlorodifluoromethane	0.675	0.631	6.5	98	0.00
3	TMP	Chloromethane	0.677	0.667	1.5	103	0.00
4	TMC	Vinyl Chloride	0.692	0.661	4.5	101	0.00
5	TM	Bromomethane	0.358	0.366	-2.2	96	0.00
6	TM	Chloroethane	0.339	0.314	7.4	105	0.00
7	TM	t-Butyl alcohol (TBA)	0.052	0.043#	17.3	87	-0.03
8	TM	Trichlorofluoromethane	1.250	1.215	2.8	102	0.00
9	TM	Diethyl ether	0.197	0.185	6.1	103	-0.02
10	T	1,1,2-Trichlorotrifluoroeth	0.488	0.495	-1.4	108	-0.02
11	T	Acrolein	0.043	0.051#	-18.6	106	-0.02
12	TM	Acetone	0.174	0.144	17.2	92	0.00
13	TMC	1,1-Dichloroethene	0.356	0.378	-6.2	111	0.00
[illegible]	T	Methyl iodide	0.553	0.381	31.1#	70	0.00
[illegible]	TM	Di-isopropyl ether (DIPE)	1.755	1.717	2.2	101	-0.03
16	TM	Methylene Chloride	0.388	0.421	-8.5	116	-0.02
17	TM	Carbon Disulfide	1.140	1.259	-10.4	114	-0.02
18	T	Acrylonitrile	0.164	0.162	1.2	98	-0.02
19	TM	Methyl-tert-butyl ether (MT	1.344	1.286	4.3	100	-0.02
20	TM	trans-1,2-Dichloroethene	0.874	0.850	2.7	103	0.00
21	TMP	1,1-Dichloroethane	0.998	0.976	2.2	102	0.00
22	T	Vinyl acetate	0.832	0.966	-16.1	105	-0.03
23	TM	Methyl ethyl ketone	0.042	0.039#	7.1	95	-0.02
24	TM	Ethyl t-butyl ether (ETBE)	1.644	1.601	2.6	101	-0.02
25	TM	2,2-Dichloropropane	0.767	0.733	4.4	102	-0.02
26	TM	cis-1,2-Dichloroethene	0.567	0.554	2.3	101	0.00
27	TM	t-Amyl methyl ether (TAME)	1.150	1.122	2.4	99	-0.02
28	S	DB Holder #28	0.795	0.729	8.3	100	0.00
29	TMC	Chloroform	0.941	0.916	2.7	100	-0.02
30	TM	Bromochloromethane	0.301	0.269	10.6	93	0.00
31	TM	Tetrahydrofuran	0.046	0.045#	2.2	101	-0.03
32	TM	1,1,1-Trichloroethane	0.856	0.829	3.2	100	-0.02
33	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.49
34	TM	1,1-Dichloropropene	0.681	0.657	3.5	100	-0.02
35	TM	Carbon Tetrachloride	0.706	0.675	4.4	95	-0.02
36	S	d4-1,2-Dichloroethane	0.795	0.729	8.3	100	0.00
37	TM	1,2-Dichloroethane	0.929	0.879	5.4	97	-0.02
38	TM	Benzene	1.623	1.554	4.3	101	-0.02
[illegible]	I	1,4-Difluorobenzene	1.000	1.000	0.0	103	-0.02
40	TM	Trichloroethene	0.352	0.341	3.1	103	-0.02

(#) = Out of Range

Data File : D:\HPCHEM\1\DATA\042606C\C58563SC.D Vial: 16
Acq On : 26 Apr 2006 10:13 am Operator:
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41	TMC	1,2-Dichloropropane	0.331	0.313	✓5.4	100	-0.02
42	T	Methylmethacrylate	0.205	0.184	10.2	98	-0.02
43	T	Methyl acetate	0.302	0.260	13.9	94	-0.02
44	T	Cyclohexane	0.535	0.525	1.9	106	-0.02
45	TM	Bromodichloromethane	0.433	0.412	4.8	98	-0.02
46	TM	Dibromomethane	0.253	0.227	10.3	91	-0.02
47	T	1,4-Dioxane	0.003	0.003#	0.0	89	-0.03
48	T	Methylcyclohexane	0.427	0.413	3.3	100	-0.02
49	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.49
50	T	2-Chloroethylvinyl ether	0.098	0.092#	6.1	90	-0.03
51	TM	2-Hexanone	0.110	0.099#	10.0	96	0.00
52	TM	Methyl isobutyl ketone	0.114	0.106	7.0	98	-0.02
53	TM	cis-1,3-Dichloropropene	0.492	0.466	5.3	100	-0.02
[illegible]	S	d8-Toluene	1.119	1.060	5.3	101	-0.02
[illegible]	TMC	Toluene	0.663	0.656	✓1.1	103	-0.02
56	TM	trans-1,3-Dichloropropene	0.469	0.436	7.0	97	-0.02
57	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.49
58	TM	1,1,2-Trichloroethane	0.218	0.204	6.4	97	-0.02
59	TM	1,3-Dichloropropane	0.426	0.400	6.1	97	-0.02
60	TM	Tetrachloroethene	0.427	0.397	7.0	102	-0.02
61	TM	Dibromochloromethane	0.368	0.354	3.8	98	-0.03
62	TM	1,2-Dibromoethane	0.369	0.345	6.5	96	-0.02
63	I	*d5-Chlorobenzene	1.000	1.000	0.0	✓100	-0.02
64	TMP	Chlorobenzene	1.008	1.017✓	-0.9	105	-0.02
65	TM	1,1,1,2-Tetrachloroethane	0.358	0.364	-1.7	102	-0.02
66	TMC	Ethylbenzene	1.457	1.443	✓1.0	100	-0.02
67	TM	m,p-Xylene	0.584	0.569	2.6	100	-0.02
68	TM	o-Xylene	0.565	0.563	0.4	101	-0.02
69	TM	Styrene	0.994	0.986	0.8	100	-0.02
70	TMP	Bromoform	0.310	0.318✓	-2.6	97	-0.03
71	TM	Isopropylbenzene	1.500	1.496	0.3	101	-0.02
72	TMP	1,1,2,2-Tetrachloroethane	0.392	0.359✓	8.4	96	-0.02
73	S	Bromofluorobenzene	0.508	0.472	7.1	100	-0.02
74	TM	1,2,3-Trichloropropane	0.291	0.260	10.7	93	-0.02
75	TM	trans-1,4-Dichloro-2-butene	0.121	0.117	3.3	102	-0.02
76	TM	n-Propylbenzene	1.680	1.636	2.6	101	-0.02
77	TM	Bromobenzene	0.432	0.419	3.0	100	-0.02
[illegible]	TM	1,3,5-Trimethylbenzene	1.238	1.195	3.5	100	-0.02
[illegible]	TM	2-Chlorotoluene	1.158	1.129	2.5	102	-0.02
80	TM	4-Chlorotoluene	1.063	1.014	4.6	98	-0.02

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\HPCHEM\1\DATA\042606C\C58563SC.D Vial: 16
Acq On : 26 Apr 2006 10:13 am Operator:
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
81	TM	tert-butylbenzene	1.094	1.046	4.4	101	-0.02
82	TM	1,2,4-Trimethylbenzene	1.259	1.232	2.1	102	-0.02
83	T	Diisobutylketone	0.882	0.841	4.6	99	-0.02
84	TM	sec-butylbenzene	1.686	1.617	4.1	99	-0.02
85	TM	p-isopropyltoluene	1.354	1.323	2.3	101	-0.02
86	TM	1,3-Dichlorobenzene	0.730	0.703	3.7	100	-0.02
87	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	-0.02
88	TM	1,4-Dichlorobenzene	1.494	1.480	0.9	102	-0.02
89	TM	n-butylbenzene	2.504	2.466	1.5	102	-0.02
90	TM	1,2-Dichlorobenzene	1.379	1.332	3.4	102	-0.02
91	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.49
92	TM	1,2-Dibromo-3-chloropropane	0.147	0.137	6.8	96	-0.02
[illegible]	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.49
[illegible]	TM	1,2,4-Trichlorobenzene	1.185	1.157	2.4	102	-0.02
95	TM	Hexachlorobutadiene	0.605	0.606	-0.2	107	0.00
96	TM	Naphthalene	2.161	2.012	6.9	100	-0.02
97	TM	1,2,3-Trichlorobenzene	1.075	1.059	1.5	106	-0.02
98	T	1,3,5-Trichlorobenzene	1.331	1.325	0.5	104	-0.02

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606C\C58563SC.D Vial: 16
Acq On : 26 Apr 2006 10:13 am Operator:
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 26 10:14 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/27/06 4/27/06 SL ✓

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.00	168	247763	20.00	ug/L	-0.02
39) 1,4-Difluorobenzene	8.48	114	400928	20.00	ug/L	-0.02
63) *d5-Chlorobenzene	13.00	117	349921 ✓	20.00	ug/L	-0.02
87) 1,4-Dichlorobenzene-d4	16.72	152	171709	20.00	ug/L	-0.02
System Monitoring Compounds						
28) DB Holder #28	7.87	65	180564	18.34	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 91.70% ✓			
36) d4-1,2-Dichloroethane	7.87	65	180564	18.34	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 91.70% ✓			
54) d8-Toluene	10.73	98	424789	18.93	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 94.65% ✓			
73) Bromofluorobenzene	14.88	95	165243	18.59	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 92.95% ✓			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.69	85	156247	18.70	ug/L	100
3) Chloromethane	1.94	50	165218	19.71	ug/L	97
4) Vinyl Chloride	2.03	62	163705	19.09	ug/L	99
5) Bromomethane	2.47	94	90742	20.44	ug/L	96
6) Chloroethane	2.56	64	77682	18.48	ug/L	95
7) t-Butyl alcohol (TBA)	3.87	59	52883	82.22	ug/L	100
8) Trichlorofluoromethane	2.87	101	300945	19.43	ug/L	97
9) Diethyl ether	3.25	74	45922	18.83	ug/L	96
10) 1,1,2-Trichlorotrifluoroet	3.43	101	122620	20.28	ug/L	99
11) Acrolein	3.41	56	63436	118.53	ug/L	99
12) Acetone	3.53	43	178801	83.15	ug/L	96
13) 1,1-Dichloroethene	3.67	96	93612	21.25	ug/L	96
14) Methyl iodide	4.11	142	94276	13.77	ug/L	97
15) Di-isopropyl ether (DIPE)	5.48	45	425419	19.57	ug/L	100
16) Methylene Chloride	4.42	84	104216	21.69	ug/L	98
17) Carbon Disulfide	4.38	76	311985	22.10	ug/L	100
18) Acrylonitrile	4.64	53	40228	19.76	ug/L	96
19) Methyl-tert-butyl ether (M	4.72	73	318571	19.14	ug/L	99
20) trans-1,2-Dichloroethene	4.90	61	210610	19.44	ug/L	99
21) 1,1-Dichloroethane	5.59	63	241826	19.57	ug/L	98
22) Vinyl acetate	5.63	43	239314	23.21	ug/L	100
23) Methyl ethyl ketone	6.30	72	47720	90.77	ug/L	99
24) Ethyl t-butyl ether (ETBE)	6.13	59	396788	19.49	ug/L	100
25) 2,2-Dichloropropane	6.46	77	181504	19.11	ug/L	97
26) cis-1,2-Dichloroethene	6.54	96	137263	19.55	ug/L	97
27) t-Amyl methyl ether (TAME)	7.86	73	277936	19.51	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606C\C58563SC.D Vial: 16
Acq On : 26 Apr 2006 10:13 am Operator:
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 26 10:14 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	Chloroform	6.78	83	227051	19.48 ug/L	97
30)	Bromochloromethane	7.02	128	66719	17.92 ug/L	99
31)	Tetrahydrofuran	7.12	71	11077	19.49 ug/L	95
32)	1,1,1-Trichloroethane	7.37	97	205454	19.37 ug/L	96
34)	1,1-Dichloropropene	7.62	75	162675	19.27 ug/L	96
35)	Carbon Tetrachloride	7.75	119	167248	19.11 ug/L	98
37)	1,2-Dichloroethane	8.01	62	217795	18.93 ug/L	100
38)	Benzene	8.01	78	384986	19.15 ug/L	98
40)	Trichloroethene	8.94	95	136592	19.37 ug/L	96
41)	1,2-Dichloropropane	9.21	63	125580	18.92 ug/L	97
42)	Methylmethacrylate	9.36	69	73789	17.96 ug/L	98
43)	Methyl acetate	4.23	43	104420	17.23 ug/L	99
44)	Cyclohexane	7.38	56	210645	19.62 ug/L	98
45)	Bromodichloromethane	9.54	83	165017	19.03 ug/L	97
46)	Dibromomethane	9.61	93	90912	17.94 ug/L	96
47)	1,4-Dioxane	9.62	88	27152	432.98 ug/L	99
48)	Methylcyclohexane	9.03	83	165748	19.36 ug/L	98
50)	2-Chloroethylvinyl ether	10.06	63	37082	18.88 ug/L	97
51)	2-Hexanone	11.43	58	198887	89.98 ug/L	96
52)	Methyl isobutyl ketone	10.12	58	211621	92.85 ug/L	100
53)	cis-1,3-Dichloropropene	10.38	75	187015	18.95 ug/L	96
55)	Toluene	10.85	92	262906	19.77 ug/L	97
56)	trans-1,3-Dichloropropene	11.14	75	174939	18.62 ug/L	99
58)	1,1,2-Trichloroethane	11.37	83	81685	18.68 ug/L	98
59)	1,3-Dichloropropane	11.74	76	160348	18.76 ug/L	100
60)	Tetrachloroethene	11.82	166	159290	18.63 ug/L	99
61)	Dibromochloromethane	12.11	129	141789	19.24 ug/L	98
62)	1,2-Dibromoethane	12.41	107	138328	18.68 ug/L	97
64)	Chlorobenzene	13.06	112	355796	20.17 ug/L	98
65)	1,1,1,2-Tetrachloroethane	13.13	131	127545	20.39 ug/L	96
66)	Ethylbenzene	13.16	91	504864	19.80 ug/L	99
67)	m,p-Xylene	13.28	106	397878	38.93 ug/L	98
68)	o-Xylene	13.94	106	196905	19.91 ug/L	97
69)	Styrene	14.00	104	345142	19.84 ug/L	96
70)	Bromoform	14.47	173	111183	20.48 ug/L	96
71)	Isopropylbenzene	14.50	105	523557	19.95 ug/L	100
72)	1,1,2,2-Tetrachloroethane	14.77	83	125753	18.32 ug/L	98
74)	1,2,3-Trichloropropane	15.00	75	90870	17.82 ug/L	96
75)	trans-1,4-Dichloro-2-buten	15.12	89	40864	19.25 ug/L	96
76)	n-Propylbenzene	15.13	91	572460	19.48 ug/L	100
77)	Bromobenzene	15.15	156	146484	19.38 ug/L	94

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606C\C58563SC.D Vial: 16
Acq On : 26 Apr 2006 10:13 am Operator:
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 26 10:14 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
78) 1,3,5-Trimethylbenzene	15.39	105	418281	19.31 ug/L	97
79) 2-Chlorotoluene	15.38	91	395147	19.51 ug/L	98
80) 4-Chlorotoluene	15.46	91	354649	19.07 ug/L	96
81) tert-butylbenzene	15.93	119	365851	19.11 ug/L	96
82) 1,2,4-Trimethylbenzene	15.99	105	431022	19.56 ug/L	100
83) Diisobutylketone	15.10	57	1470596	95.31 ug/L	98
84) sec-butylbenzene	16.27	105	565817	19.18 ug/L	97
85) p-isopropyltoluene	16.50	119	463109	19.55 ug/L	97
86) 1,3-Dichlorobenzene	16.60	146	245878	19.25 ug/L	98
88) 1,4-Dichlorobenzene	16.77	146	254140	19.81 ug/L	100
89) n-butylbenzene	17.14	91	423445	19.70 ug/L	100
90) 1,2-Dichlorobenzene	17.34	146	228650	19.31 ug/L	100
92) 1,2-Dibromo-3-chloropropan	18.59	75	23456	18.55 ug/L	89
94) 1,2,4-Trichlorobenzene	20.00	180	198690	19.54 ug/L	96
95) Hexachlorobutadiene	20.25	225	104072	20.02 ug/L	97
96) Naphthalene	20.38	128	345564	18.63 ug/L	100
97) 1,2,3-Trichlorobenzene	20.79	180	181755	19.70 ug/L	99
98) 1,3,5-Trichlorobenzene	18.99	180	227443	19.90 ug/L	100

(#) = qualifier out of range (m) = manual integration

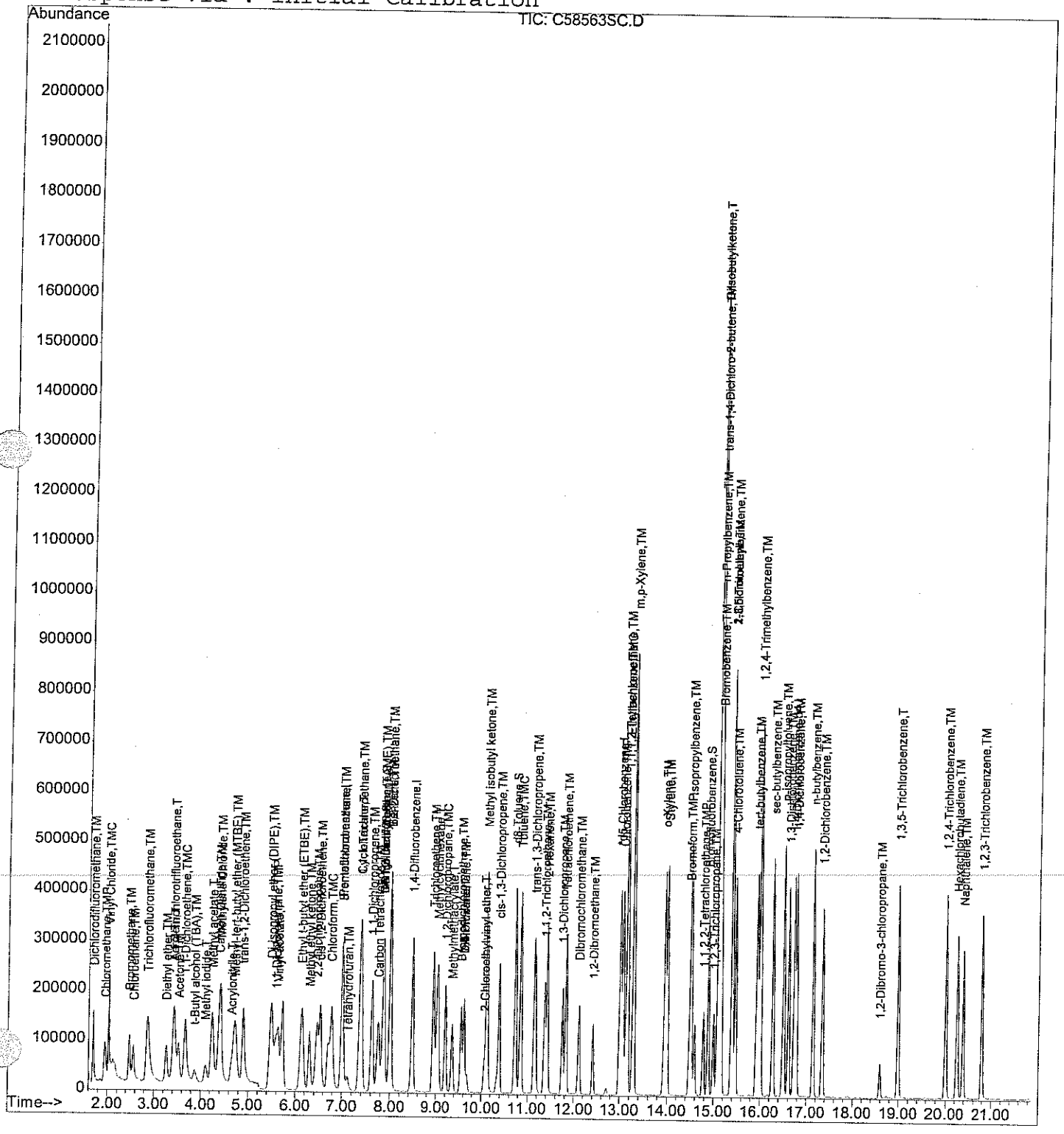
Quantitation Report

Data File : D:\HPCHEM\1\DATA\042606C\C58563SC.D
Acq On : 26 Apr 2006 10:13 am
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Apr 26 10:14 2006

Vial: 16
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : D:\HPCHEM\1\DATA\042606C\C58585SC.D Vial: 6
Acq On : 26 Apr 2006 10:20 pm Operator:
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Multiple Level Calibration

MT 4/27/06 4/27/06 SL

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	✓98	0.00
2	TM	Dichlorodifluoromethane	0.675	0.650	3.7	96	0.00
3	TMP	Chloromethane	0.677	0.679✓	-0.3	100	0.00
4	TMC	Vinyl Chloride	0.692	0.683	✓1.3	100	0.00
5	TM	Bromomethane	0.358	0.395	-10.3	99	0.00
6	TM	Chloroethane	0.339	0.338	0.3	108	0.00
7	TM	t-Butyl alcohol (TBA)	0.052	0.052#	0.0	102	-0.01
8	TM	Trichlorofluoromethane	1.250	1.265	-1.2	101	0.00
9	TM	Diethyl ether	0.197	0.196	0.5	104	0.00
10	T	1,1,2-Trichlorotrifluoroeth	0.488	0.529	-8.4	110	0.00
11	T	Acrolein	0.043	0.051#	-18.6	100	0.00
12	TM	Acetone	0.174	0.160	8.0	98	0.00
13	TMC	1,1-Dichloroethene	0.356	0.400	✓-12.4	113	0.00
14	T	Methyl iodide	0.553	0.542	2.0	96	0.00
15	TM	Di-isopropyl ether (DIPE)	1.755	1.853	-5.6	104	0.00
16	TM	Methylene Chloride	0.388	0.433	-11.6	114	0.00
17	TM	Carbon Disulfide	1.140	1.290	-13.2	111	0.00
18	T	Acrylonitrile	0.164	0.177	-7.9	102	0.00
19	TM	Methyl-tert-butyl ether (MT	1.344	1.383	-2.9	103	0.00
20	TM	trans-1,2-Dichloroethene	0.874	0.896	-2.5	104	0.00
21	TMP	1,1-Dichloroethane	0.998	1.038✓	-4.0	103	0.00
22	T	Vinyl acetate	0.832	1.086	✓-30.5#	113	-0.01
23	TM	Methyl ethyl ketone	0.042	0.043#	-2.4	101	0.00
24	TM	Ethyl t-butyl ether (ETBE)	1.644	1.683	-2.4	102	0.00
25	TM	2,2-Dichloropropane	0.767	0.776	-1.2	103	0.00
26	TM	cis-1,2-Dichloroethene	0.567	0.603	-6.3	105	0.00
27	TM	t-Amyl methyl ether (TAME)	1.150	1.226	-6.6	104	0.00
28	S	DB Holder #28	0.795	0.763	4.0	100	0.00
29	TMC	Chloroform	0.941	0.973	✓-3.4	101	0.00
30	TM	Bromochloromethane	0.301	0.296	1.7	97	0.00
31	TM	Tetrahydrofuran	0.046	0.051#	-10.9	111	-0.01
32	TM	1,1,1-Trichloroethane	0.856	0.891	-4.1	103	0.00
33	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.49
34	TM	1,1-Dichloropropene	0.681	0.736	-8.1	107	0.00
35	TM	Carbon Tetrachloride	0.706	0.709	-0.4	95	0.00
36	S	d4-1,2-Dichloroethane	0.795	0.763	4.0	100	0.00
37	TM	1,2-Dichloroethane	0.929	0.946	-1.8	100	0.00
38	TM	Benzene	1.623	1.705	-5.1	106	0.00
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	✓100	0.00
40	TM	Trichloroethene	0.352	0.365	-3.7	107	0.00

(#) = Out of Range

Data File : D:\HPCHEM\1\DATA\042606C\C58585SC.D Vial: 6
Acq On : 26 Apr 2006 10:20 pm Operator:
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41	TMC	1,2-Dichloropropane	0.331	0.335	✓-1.2	104	0.00
42	T	Methylmethacrylate	0.205	0.200	2.4	103	0.00
43	T	Methyl acetate	0.302	0.275	8.9	96	0.00
44	T	Cyclohexane	0.535	0.563	-5.2	110	0.00
45	TM	Bromodichloromethane	0.433	0.436	-0.7	101	0.00
46	TM	Dibromomethane	0.253	0.249	1.6	96	0.00
47	T	1,4-Dioxane	0.003	0.003#	0.0	105	-0.01
48	T	Methylcyclohexane	0.427	0.460	-7.7	107	0.00
49	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.49
50	T	2-Chloroethylvinyl ether	0.098	0.118	-20.4#	111	-0.01
51	TM	2-Hexanone	0.110	0.113	-2.7	105	0.00
52	TM	Methyl isobutyl ketone	0.114	0.117	-2.6	104	0.00
53	TM	cis-1,3-Dichloropropene	0.492	0.506	-2.8	105	0.00
54	S	d8-Toluene	1.119	1.092	2.4	101	0.00
55	TMC	Toluene	0.663	0.683	✓-3.0	103	0.00
56	TM	trans-1,3-Dichloropropene	0.469	0.474	-1.1	102	0.00
57	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.49
58	TM	1,1,2-Trichloroethane	0.218	0.224	-2.8	103	0.00
59	TM	1,3-Dichloropropane	0.426	0.448	-5.2	105	0.00
60	TM	Tetrachloroethene	0.427	0.420	1.6	104	0.00
61	TM	Dibromochloromethane	0.368	0.362	1.6	97	-0.01
62	TM	1,2-Dibromoethane	0.369	0.383	-3.8	104	0.00
63	I	*d5-Chlorobenzene	1.000	1.000	0.0	✓99	0.00
64	TMP	Chlorobenzene	1.008	1.020✓	-1.2	105	0.00
65	TM	1,1,1,2-Tetrachloroethane	0.358	0.354	1.1	98	0.00
66	TMC	Ethylbenzene	1.457	1.469	✓-0.8	101	0.00
67	TM	m,p-Xylene	0.584	0.595	-1.9	103	0.00
68	TM	o-Xylene	0.565	0.582	-3.0	104	0.00
69	TM	Styrene	0.994	1.009	-1.5	101	0.00
70	TMP	Bromoform	0.310	0.309✓	0.3	94	0.00
71	TM	Isopropylbenzene	1.500	1.574	-4.9	105	0.00
72	TMP	1,1,2,2-Tetrachloroethane	0.392	0.391✓	0.3	103	0.00
73	S	Bromofluorobenzene	0.508	0.481	5.3	100	0.00
74	TM	1,2,3-Trichloropropane	0.291	0.282	3.1	100	0.00
75	TM	trans-1,4-Dichloro-2-butene	0.121	0.120	0.8	104	0.00
76	TM	n-Propylbenzene	1.680	1.721	-2.4	105	0.00
77	TM	Bromobenzene	0.432	0.421	2.5	100	0.00
78	TM	1,3,5-Trimethylbenzene	1.238	1.261	-1.9	104	0.00
79	TM	2-Chlorotoluene	1.158	1.147	0.9	103	0.00
80	TM	4-Chlorotoluene	1.063	1.083	-1.9	103	0.00

(#) = Out of Range

Data File : D:\HPCHEM\1\DATA\042606C\C58585SC.D Vial: 6
Acq On : 26 Apr 2006 10:20 pm Operator:
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
81	TM	tert-butylbenzene	1.094	1.086	0.7	103	0.00
82	TM	1,2,4-Trimethylbenzene	1.259	1.274	-1.2	105	0.00
83	T	Diisobutylketone	0.882	0.883	-0.1	103	0.00
84	TM	sec-butylbenzene	1.686	1.687	-0.1	102	0.00
85	TM	p-isopropyltoluene	1.354	1.334	1.5	101	0.00
86	TM	1,3-Dichlorobenzene	0.730	0.703	3.7	99	0.00
87	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
88	TM	1,4-Dichlorobenzene	1.494	1.519	-1.7	102	0.00
89	TM	n-butylbenzene	2.504	2.568	-2.6	103	0.00
90	TM	1,2-Dichlorobenzene	1.379	1.396	-1.2	104	0.00
91	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.49
92	TM	1,2-Dibromo-3-chloropropane	0.147	0.152	-3.4	104	0.00
93	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.49
94	TM	1,2,4-Trichlorobenzene	1.185	1.171	1.2	100	0.00
95	TM	Hexachlorobutadiene	0.605	0.602	0.5	103	0.00
96	TM	Naphthalene	2.161	2.133	1.3	103	0.00
97	TM	1,2,3-Trichlorobenzene	1.075	1.043	3.0	101	0.00
98	T	1,3,5-Trichlorobenzene	1.331	1.334	-0.2	102	0.00

Data File : D:\HPCHEM\1\DATA\042606C\C58585SC.D Vial: 6
Acq On : 26 Apr 2006 10:20 pm Operator:
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 26 22:28 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

4/27/06 ✓ MT 4/27/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.01	168	236529	20.00	ug/L	0.00
39) 1,4-Difluorobenzene	8.49	114	387758	20.00	ug/L	0.00
63) *d5-Chlorobenzene	13.02	117	346480 ✓	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.74	152	166638	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.88	65	180548	19.21	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 96.05%			
36) d4-1,2-Dichloroethane	7.88	65	180548	19.21	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 96.05%			
54) d8-Toluene	10.74	98	423450	19.52	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 97.60%			
73) Bromofluorobenzene	14.89	95	166663	18.93	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 94.65%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.71	85	153832	19.28	ug/L	99
3) Chloromethane	1.94	50	160719	20.08	ug/L	99
4) Vinyl Chloride	2.02	62	161463	19.72	ug/L	100
5) Bromomethane	2.48	94	93315	22.02	ug/L	94
6) Chloroethane	2.57	64	79994	19.93	ug/L	99
7) t-Butyl alcohol (TBA)	3.89	59	61806	100.66	ug/L #	94
8) Trichlorofluoromethane	2.88	101	299257	20.24	ug/L	98
9) Diethyl ether	3.27	74	46432	19.94	ug/L	99
10) 1,1,2-Trichlorotrifluoroet	3.44	101	125156	21.68	ug/L	99
11) Acrolein	3.42	56	59924	117.29	ug/L	99
12) Acetone	3.53	43	189520	92.33	ug/L	97
13) 1,1-Dichloroethene	3.67	96	94634	22.50	ug/L	97
14) Methyl iodide	4.11	142	128168	19.61	ug/L	98
15) Di-isopropyl ether (DIPE)	5.50	45	438232	21.12	ug/L	100
16) Methylene Chloride	4.43	84	102448	22.34	ug/L	96
17) Carbon Disulfide	4.39	76	305159	22.64	ug/L	100
18) Acrylonitrile	4.66	53	41863	21.54	ug/L	95
19) Methyl-tert-butyl ether (M	4.74	73	327053	20.58	ug/L	99
20) trans-1,2-Dichloroethene	4.91	61	211966	20.50	ug/L	99
21) 1,1-Dichloroethane	5.59	63	245507	20.81	ug/L	97
22) Vinyl acetate	5.64	43	256860	26.09	ug/L	98
23) Methyl ethyl ketone	6.31	72	50630	100.88	ug/L	95
24) Ethyl t-butyl ether (ETBE)	6.15	59	397990	20.48	ug/L	99
25) 2,2-Dichloropropane	6.47	77	183472	20.24	ug/L	95
26) cis-1,2-Dichloroethene	6.55	96	142569	21.27	ug/L	94
27) t-Amyl methyl ether (TAME)	7.87	73	290088	21.34	ug/L	98

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042606C\C58585SC.D Vial: 6
Acq On : 26 Apr 2006 10:20 pm Operator:
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 26 22:28 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
29)	Chloroform	6.80	83	230080	20.67	ug/L	95
30)	Bromochloromethane	7.03	128	69981	19.68	ug/L	90
31)	Tetrahydrofuran	7.13	71	12148	22.39	ug/L	98
32)	1,1,1-Trichloroethane	7.39	97	210675	20.80	ug/L	99
34)	1,1-Dichloropropene	7.63	75	174043	21.60	ug/L	97
35)	Carbon Tetrachloride	7.76	119	167621	20.07	ug/L	97
37)	1,2-Dichloroethane	8.02	62	223769	20.37	ug/L	97
38)	Benzene	8.02	78	403269	21.01	ug/L	99
40)	Trichloroethene	8.96	95	141439	20.74	ug/L	96
41)	1,2-Dichloropropane	9.22	63	129941	20.24	ug/L	96
42)	Methylmethacrylate	9.37	69	77618	19.53	ug/L	97
43)	Methyl acetate	4.24	43	106714	18.21	ug/L	97
44)	Cyclohexane	7.40	56	218361	21.03	ug/L	99
45)	Bromodichloromethane	9.56	83	169042	20.15	ug/L	96
46)	Dibromomethane	9.63	93	96649	19.71	ug/L	99
47)	1,4-Dioxane	9.64	88	32005	527.70	ug/L	98
48)	Methylcyclohexane	9.04	83	178208	21.53	ug/L	97
50)	2-Chloroethylvinyl ether	10.07	63	45650	24.03	ug/L	100
51)	2-Hexanone	11.44	58	219431	102.65	ug/L	98
52)	Methyl isobutyl ketone	10.13	58	225903	102.48	ug/L	100
53)	cis-1,3-Dichloropropene	10.40	75	196315	20.57	ug/L	100
55)	Toluene	10.86	92	264870	20.59	ug/L	99
56)	trans-1,3-Dichloropropene	11.15	75	183628	20.21	ug/L	97
58)	1,1,2-Trichloroethane	11.38	83	86699	20.50	ug/L	91
59)	1,3-Dichloropropane	11.76	76	173855	21.03	ug/L	100
60)	Tetrachloroethene	11.84	166	162673	19.67	ug/L	96
61)	Dibromochloromethane	12.12	129	140243	19.67	ug/L	99
62)	1,2-Dibromoethane	12.43	107	148572	20.75	ug/L	100
64)	Chlorobenzene	13.08	112	353400	20.23	ug/L	99
65)	1,1,1,2-Tetrachloroethane	13.16	131	122486	19.77	ug/L	99
66)	Ethylbenzene	13.18	91	509055	20.17	ug/L	97
67)	m,p-Xylene	13.29	106	412246	40.74	ug/L	99
68)	o-Xylene	13.96	106	201615	20.58	ug/L	98
69)	Styrene	14.01	104	349528	20.30	ug/L	93
70)	Bromoform	14.50	173	107210	19.95	ug/L	98
71)	Isopropylbenzene	14.52	105	545472	20.99	ug/L	100
72)	1,1,2,2-Tetrachloroethane	14.78	83	135504	19.94	ug/L	99
74)	1,2,3-Trichloropropane	15.01	75	97767	19.37	ug/L	99
75)	trans-1,4-Dichloro-2-buten	15.14	89	41489	19.73	ug/L	98
76)	n-Propylbenzene	15.15	91	596226	20.49	ug/L	99
77)	Bromobenzene	15.17	156	146000	19.50	ug/L	89

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042606C\C58585SC.D Vial: 6
Acq On : 26 Apr 2006 10:20 pm Operator:
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
RTE Integration Params: rteint.p
Quant Time: Apr 26 22:28 2006 Quant Results File: V804176C.RES

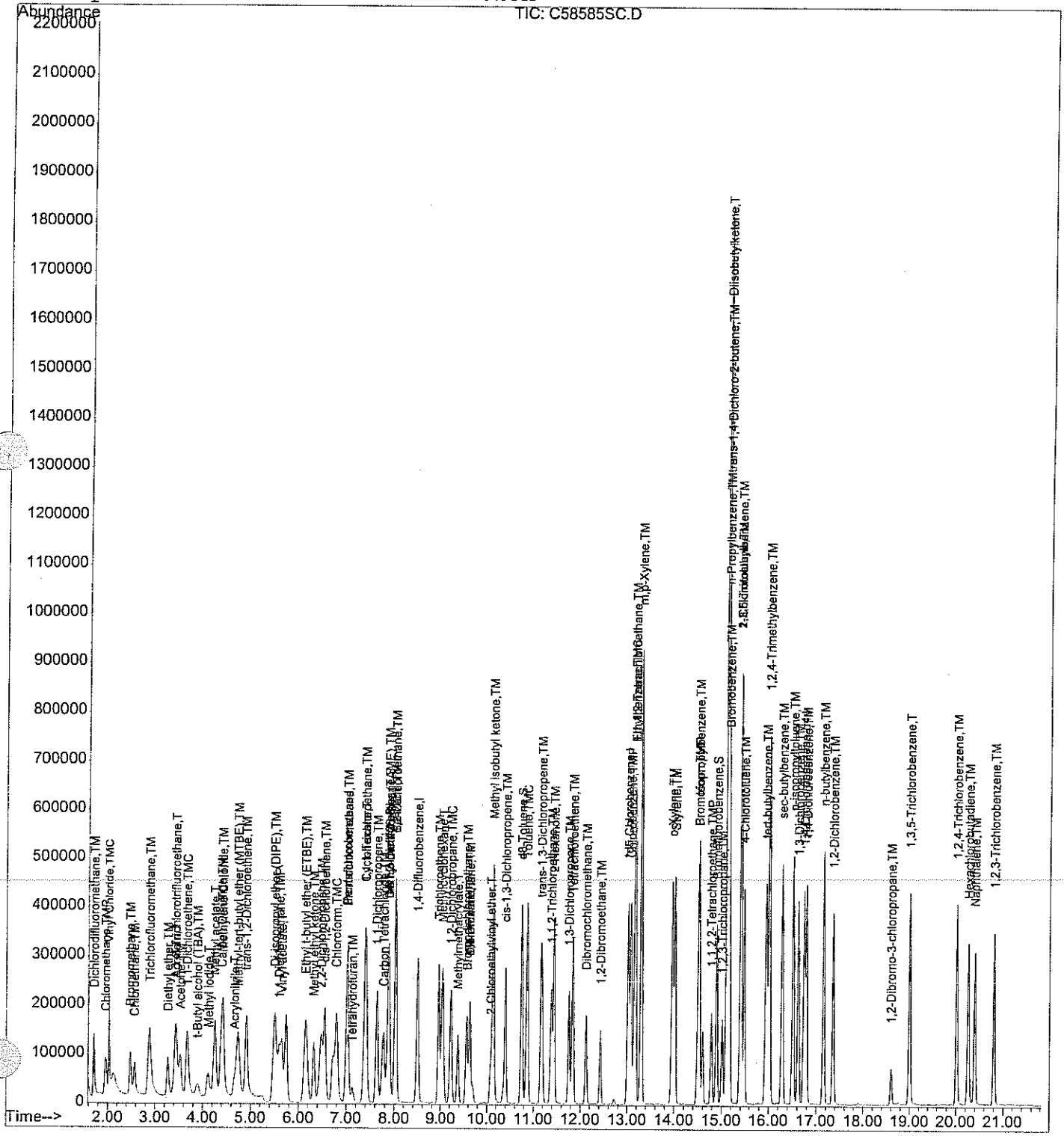
Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
78) 1,3,5-Trimethylbenzene	15.40	105	436778	20.36	ug/L	99
79) 2-Chlorotoluene	15.39	91	397280	19.81	ug/L	99
80) 4-Chlorotoluene	15.47	91	375135	20.37	ug/L	95
81) tert-butylbenzene	15.95	119	376431	19.85	ug/L	100
82) 1,2,4-Trimethylbenzene	16.01	105	441509	20.24	ug/L	100
83) Diisobutylketone	15.11	57	1530564	100.19	ug/L	97
84) sec-butylbenzene	16.28	105	584653	20.02	ug/L	98
85) p-isopropyltoluene	16.51	119	462121	19.71	ug/L	98
86) 1,3-Dichlorobenzene	16.62	146	243704	19.27	ug/L	97
88) 1,4-Dichlorobenzene	16.79	146	253206	20.34	ug/L	98
89) n-butylbenzene	17.15	91	428004	20.51	ug/L	98
90) 1,2-Dichlorobenzene	17.36	146	232565	20.24	ug/L	98
92) 1,2-Dibromo-3-chloropropan	18.60	75	25388	20.69	ug/L	93
94) 1,2,4-Trichlorobenzene	20.01	180	195197	19.78	ug/L	95
95) Hexachlorobutadiene	20.26	225	100252	19.88	ug/L	98
96) Naphthalene	20.39	128	355382	19.74	ug/L	100
97) 1,2,3-Trichlorobenzene	20.81	180	173811	19.41	ug/L	98
98) 1,3,5-Trichlorobenzene	19.00	180	222251	20.04	ug/L	100

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042606C\C58585SC.D Vial: 6
Acq On : 26 Apr 2006 10:20 pm Operator:
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 26 22:28 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration



analytics environmental laboratory LLC

VOLATILE ORGAN
INTERNAL STANDARD AREA AND RT SUM

Project #: Quote #: SDG#: 56346

BFB File ID: C58352T.D Site ID: Subbase New LondonSite 7 Location: CT

Instrument ID: C BFB Injection Date: 4/17/06

GC Column: RTX-502.2 ID: 0.25(mm) BFB Injection Time: 1130

Heated Purge: (Y/N) N

		IS1 AREA	#	RT	#	IS2 AREA	#	RT	#	IS3 AREA	#	RT	#	IS4 AREA	#	RT	#
	12 HOUR STD	241982		7.02		389266		8.49		349891		13.02		169896		16.74	
	UPPER LIMIT	314577		7.44		506046		9.00		454858		13.80		220865		17.74	
	LOWER LIMIT	169387		6.59		272486		7.99		244924		12.24		118927		15.73	
	SAMPLE NO.																
01	0.2 PPB	231622		7.01		361455		8.49		322548		13.02		162831		16.74	
02	1 PPB	244191		7.02		386660		8.50		342009		13.02		171356		16.74	
03	ZZZZZ	239677		7.02		384402		8.50		341836		13.02		169426		16.74	
04	5 PPB	239660		7.02		380784		8.50		336657		13.02		169433		16.74	
05	20 PPB	241982		7.02		389266		8.49		349891		13.02		169896		16.74	
06	50 PPB	229040		7.01		367442		8.50		333852		13.02		164964		16.75	
07	100 PPB	218019		7.01		348915		8.49		327955		13.03		162161		16.74	
08	ZZZZZ	239181		7.01		386037		8.50		343164		13.02		173545		16.74	
09	2 PPB	253155		7.02		406676		8.50		354417		13.02		175800		16.74	
10	ZZZZZ	241499		7.02		385779		8.50		333756		13.03		165439		16.74	
11	ZZZZZ	243865		7.02		396537		8.50		343727		13.02		166923		16.75	
12	ZZZZZ	240583		7.02		393515		8.50		351507		13.02		175343		16.75	
13	ZZZZZ	262629		7.01		417334		8.50		363327		13.01		179740		16.74	
14	ZZZZZ	238707		7.01		392103		8.49		349782		13.02		172468		16.74	
15	ZZZZZ	255323		7.01		413357		8.49		366137		13.02		183892		16.74	
16	ZZZZZ	256140		7.01		404058		8.49		356790		13.02		177341		16.74	
17	ZZZZZ	258695		7.01		418845		8.49		356365		13.0198		177138		16.74	
18	ZZZZZ	255653		7.01		404343		8.49		364537		13.0145		180047		16.74	
19	ZZZZZ	248948		7.01		389679		8.49		347573		13.0203		164834		16.74	
20	ZZZZZ	233850		7.00		391320		8.48		346552		13.0098		168761		16.74	
21	ZZZZZ	260592		7.01		427752		8.48		368225		13.0105		175117		16.74	
22																	
23																	
24																	

IS1 = Pentafluorobenzene
IS2 = Fluorobenzene
IS3 = Chlorobenzer
IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +30% of internal standard area
AREA LOWER LIMIT = -30% of internal standard area
RT UPPER LIMIT = +0.06 minutes of internal standard RRT
RT LOWER LIMIT = -0.06 minutes of internal standard RRT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

Tune File : D:\HPCHEM\1\DATA\041706C\C58352T.D
Tune Time : 17 Apr 2006 11:30 am

Daily Calibration File : D:\HPCHEM\1\DATA\041706C\C58357SI.D

4-18-06

241982 389266 349891

MT 4/18/06

169896

File	Sample	Surrogate Recovery %				Internal Standard Responses		
C58353SI.D	0.2 PPB	2*	2*	2*	2*	231622	361455	322548
				162831				
C58354SI.D	1 PPB	6*	6*	6*	6*	244191	386660	342009
				171356				
C58355SI.D	2 PPB	9*	9*	10*	9*	239677	384402	341836
				169426				
C58356SI.D	5 PPB	21*	21*	22*	22*	239660	380784	336657
				169433				
C58357SI.D	20 PPB	86	86	94	87	241982	389266	349891
				169896				
C58358SI.D	50 PPB	216*	216*	230*	218*	229040	367442	333852
				164964				
C58359SI.D	100 PPB	441*	441*	453*	419*	218019	348915	327955
				162161				
C58361SI.D	2 PPB	10*	10*	9*	11*	253155	406676	354417
				175800				
C58362Q.D	L804176C	90	90	96	99	241499	385779	333756
				165439				
C58363Q.D	L804176C	93	93	96	97	243865	396537	343727
				166923				
C58364.D	BROMOFOR	94	94	98	95	240583	393515	351507
				175343				
C58365B.D	B804176C	92	92	95	95	262629	417334	363327
				179740				
C58366.D	56232-12	94	94	99	97	238707	392103	349782
				172468				
C58367.D	56240-5	91	91	98	97	255323	413357	366137
				183892				
C58368.D	56240-1	91	92	99	94	256140	404058	356790
				177341				
C58369.D	56240-2	93	93	95	97	258695	418845	356365
				177138				

					180047			
C58371SP.D	56240-3,	93	93	98	95	248948	389679	347573
					164834			
C58372SP.D	56240-3,	97	97	96	94	233850	391320	346552
					168761			
C58373.D	56240-4	92	92	93	94	260592	427752	368225
					175117			

t - fails 12hr time check * - fails criteria

Created: Tue Apr 18 07:44:53 2006 Instr_C

VOLATILE ORGANIC
INTERNAL STANDARD AREA AND RT SUMMARY

Project #: | Quote #: | SDG#: 56346

BFB File ID: C58562T.D | Site ID: Subbase New London Site 7 | Location: CT

Instrument ID: C | BFB Injection Date: 4/26/06

GC Column: RTX-502.2 | ID: 0.25(mm) | BFB Injection Time: 0940

Heated Purge: (Y/N) N

		IS1 AREA	#	RT	#	IS2 AREA	#	RT	#	IS3 AREA	#	RT	#	IS4 AREA	#	RT	#
	12 HOUR STD	247763		7.00		400928		8.48		349921		13.00		171709		16.72	
	UPPER LIMIT	322092		7.42		521206		8.99		454897		13.78		223222		17.73	
	LOWER LIMIT	173434		6.58		280650		7.97		244945		12.22		120196		15.72	
	SAMPLE NO.																
01	20 PPB	247763		7.00		400928		8.48		349921		13.00		171709		16.72	
02	LS04266C	232841		6.99		372593		8.47		336512		13.00		169596		16.73	
03	LS04266C2	231590		6.99		371136		8.47		333306		13.01		169550		16.73	
04	ZZZZZ	262763		6.99		429609		8.48		367510		13.01		186548		16.73	
05	MB04266C	238435		6.99		381629		8.48		339953		13.01		181261		16.73	
06	56346-8	239662		6.99		385919		8.48		355662		13.00		185668		16.73	
07	56346-2	237161		6.99		381553		8.48		353268		13.00		186508		16.73	
08	56346-3	241517		7.00		394986		8.47		354618		13.01		193064		16.73	
09	56346-4	245344		6.99		399848		8.48		363296		13.02		190683		16.73	
10	56346-5	246982		6.99		404119		8.48		369741		13.01		191075		16.73	
11	56346-6	242559		6.99		392371		8.48		346775		13.01		192424		16.74	
12	56346-7	238823		7.00		392762		8.49		358492		13.01		181712		16.74	
13	ZZZZZ	276644		7.01		431301		8.49		380653		13.02		177160		16.74	
14	ZZZZZ	267867		7.01		433040		8.49		382708		13.02		181322		16.74	
15	ZZZZZ	276993		7.01		448962		8.49		396110		13.02		185989		16.74	
16	ZZZZZ	276311		7.01		441652		8.49		380392		13.02		179653		16.74	
17	ZZZZZ	274961		7.01		444804		8.49		399117		13.02		191699		16.75	
18	ZZZZZ	285586		7.01		462476		8.49		408133		13.02		194267		16.74	
19	ZZZZZ	265219		7.02		429592		8.50		386984		13.02		188525		16.74	
20	ZZZZZ	258952		7.01		424206		8.49		375159		13.02		172025		16.75	
21	ZZZZZ	256513		7.01		423079		8.49		365558		13.02		170821		16.74	
22																	
23																	
24																	

IS1 = Pentafluorobenzene
IS2 = Fluorobenzene
IS3 = Chlorobenzene-d5
IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +30% of internal standard area
AREA LOWER LIMIT = -30% of internal standard area
RT UPPER LIMIT = +0.06 minutes of internal standard RRT
RT LOWER LIMIT = -0.06 minutes of internal standard RRT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

GC/MS QA-QC Check Report

Tune File : D:\HPCHEM\1\DATA\042606C\C58562T.D
Tune Time : 26 Apr 2006 9:40 am

Daily Calibration File : D:\HPCHEM\1\DATA\042606C\C58563SC.D

4/27/06 SL ✓

247763 400928 349921

171709

MT 4/27/06

File	Sample	Surrogate Recovery %				Internal Standard Responses		
C58564Q.D	LS04266C	86	86	93	93	232841	372593	336512
				169596				
C58565Q.D	LS04266C	89	89	94	97	231590	371136	333306
				169550				
C58566.D	BROMOFOR	92	92	95	96	262763	429609	367510
				186548				
C58567B.D	MB04266C	102	102	109	113	238435	381629	339953
				181261				
C58568.D	56346-8	94	94	102	100	239662	385919	355662
				185668				
C58569.D	56346-2	70/ OK	70/	75	74	237161	381553	353268
				186508				
C58570.D	56346-3	88	88	93	95	241517	394986	354618
				193064				
C58571.D	56346-4	84	84	89	90	245344	399848	363296
				190683				
C58572.D	56346-5	77	77	83	82	246982	404119	369741
				191075				
C58573.D	56346-6	85	85	90	93	242559	392371	346775
				192424				
C58574.D	56346-7	84	84	86	86	238823	392762	358492
				181712				
C58575.D	56330-3	16*	16*	17*	17*	276644	431301	380653
				177160	5X			
C58576.D	56330-4	18*	18*	19*	19*	267867	433040	382708
				181322	5X			
C58577.D	56330-5	12*	12*	10*	11*	276993	448962	396110
				185989	5X			
C58578.D	56330-6	14*	14*	14*	15*	276311	441652	380392
				179653	5X			
C58579.D	56330-7	15*	15*	17*	16*	274961	444804	399117
				191699	5X			

C58580.D	56330-30	11*	11*	8*	8*	285586	462476	408133
				194267		5X		
C58581.D	56330-32	19*	19*	19*	18*	265219	429592	386984
				188525		5X		
C58582.D	56330-33	19*	19*	18*	18*	258952	424206	375159
				172025		5X		
C58583.D	56330-36	17*	17*	17*	17*	256513	423079	365558
				170821		5X		

t - fails 12hr time check * - fails criteria

Created: Thu Apr 27 09:59:25 2006 Instr_C

analytics environmental laboratory LLC

VOLATILE ORGANIC
INTERNAL STANDARD AREA AND RT SUMMARY

Project #: | Quote #: | SDG#: 56346

BFB File ID: C58584T.D | Site ID: Subbase New London Site 7 | Location: CT

Instrument ID: C | BFB Injection Date: 4/26/06

GC Column: RTX-502.2 | ID: 0.25(mm) | BFB Injection Time: 2133

Heated Purge: (Y/N) N

		IS1 AREA	#	RT	#	IS2 AREA	#	RT	#	IS3 AREA	#	RT	#	IS4 AREA	#	RT	#
	12 HOUR STD	236529		7.01		387758		8.49		346480		13.02		166638		16.74	
	UPPER LIMIT	307488		7.43		504085		9.00		450424		13.80		216629		17.74	
	LOWER LIMIT	165570		6.59		271431		7.98		242536		12.24		116647		15.73	
	SAMPLE NO.																
01	20 PPB	236529		7.01		387758		8.49		346480		13.02		166638		16.74	
02	B804266C2	247142		7.00		399359		8.49		356608		13.02		179647		16.74	
03	L804266C3	228722		7.01		386707		8.49		340056		13.01		164340		16.74	
04	L804266C4	228487		7.01		379095		8.49		339528		13.01		162721		16.74	
05	ZZZZZ	249946		7.01		412854		8.49		366899		13.01		180508		16.74	
06	ZZZZZ	252590		7.00		406315		8.48		361739		13.02		178640		16.74	
07	ZZZZZ	247487		7.01		403015		8.49		355787		13.02		175996		16.73	
08	56346-1	250080		7.01		395959		8.49		358180		13.01		171376		16.74	
09	56346-1,MS	242183		7.00		390006		8.49		346931		13.01		162110		16.74	
10	56346-1,MSD	239584		7.00		402966		8.49		349515		13.02		164141		16.74	
11	ZZZZZ	246932		7.01		407919		8.49		349252		13.01		170925		16.74	
12	ZZZZZ	243377		7.01		385786		8.49		352962		13.02		169413		16.73	
13	ZZZZZ	232152		7.01		397566		8.49		347966		13.02		172083		16.74	
14	ZZZZZ	246419		7.01		401776		8.49		360711		13.01		178796		16.73	
15	ZZZZZ	235358		7.01		392377		8.48		335717		13.01		163511		16.74	
16	ZZZZZ	233365		7.00		375030		8.49		345230		13.01		168629		16.73	
17	ZZZZZ	255659		7.00		425261		8.49		361577		13		174504		16.73	
18	ZZZZZ	253224		7.00		416715		8.48		364403		13.01		172778		16.73	
19	ZZZZZ	241411		7.00		405102		8.48		361541		13.01		174188		16.73	
20	ZZZZZ	243213		7.00		410918		8.48		363485		13.01		174025		16.73	
21	ZZZZZ	251508		7.00		429038		8.48		375813		13.01		180099		16.73	
22																	
23																	
24																	

IS1 = Pentafluorobenzene
IS2 = Fluorobenzene
IS3 = Chlorobenzene-d5
IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +30% of internal standard area
AREA LOWER LIMIT = -30% of internal standard area
RT UPPER LIMIT = +0.06 minutes of internal standard RRT
RT LOWER LIMIT = -0.06 minutes of internal standard RRT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

GC/MS QA-QC Check Report

Tune File : D:\HPCHEM\1\DATA\042606C\C58584T.D
Tune Time : 26 Apr 2006 9:33 pm

Daily Calibration File : D:\HPCHEM\1\DATA\042606C\C58585SC.D

4/27/06 SL ✓

236529 387758 346480

166638

MT 4/27/06

File	Sample	Surrogate Recovery %				Internal Standard Responses		
C58586B.D	B804266C	95	95	101	99	247142	399359	356608
				179647				
C58587Q.D	L804266C	96	96	96	92	228722	386707	340056
				164340				
C58588Q.D	L804266C	96	96	99	97	228487	379095	339528
Time stmp error				162721				
C58589.D	56331-5	92	92	96	96	249946	412854	366899
				180508				
C58590.D	56333-5	91	91	99	94	252590	406315	361739
				178640				
C58591.D	56340-3	93	93	100	95	247487	403015	355787
				175996				
C58592.D	56346-1	93	93	101	95	250080	395959	358180
				171376				
C58593SP.D	56346-1,	93	93	101	94	242183	390006	346931
				162110				
C58594SP.D	56346-1,	96	96	95	95	239584	402966	349515
				164141				
C58595.D	56325-2	92	92	98	96	246932	407919	349252
				170925				
C58596.D	56325-3	94	94	101	97	243377	385786	352962
				169413				
C58597.D	56325-6	97	97	99	99	232152	397566	347966
				172083				
C58598.D	56331-1	97	97	100	95	246419	401776	360711
				178796				
C58599.D	56331-2	95	95	98	97	235358	392377	335717
				163511				
C58600.D	56331-3	97	97	102	94	233365	375030	345230
				168629				
C58601.D	56331-4	94	94	96	93	255659	425261	361577
				174504				

C58602.D	56333-1	94	94	98	95	253224	416715	364403
				172778				
C58603.D	56333-2	97	97	98	95	241411	405102	361541
				174188				
C58604.D	56333-3	95	95	95	93	243213	410918	363485
				174025				
C58605.D	56333-4	94	94	96	93	251508	429038	375813
				180099				

t - fails 12hr time check * - fails criteria

Created: Thu Apr 27 10:00:25 2006 Instr_C

analytics environmental laboratory LLC

EXTRACTION
LOGBOOK PAGES

✓ BH 04.26.06

Transfer Date: 04/26/06

Initials: BH

EXTRACT TRANSFER SHEET

Semi-Volatile Compounds:

4/26/06 SL

Sample	Analysis	Extraction Date	Matrix	Initial Volume(mL)	Initial Weight(g)	Final Volume(mL)	% Solids	Extraction Comments
56330-44	8270PAHS	04/26/06	Solid		30.29	1.0	90.14	
56330-45	8270PAHS	04/26/06	Solid		30.62	1.0	73.99	
56330-46	8270PAHS	04/26/06	Solid		30.18	1.0	79.42	
56330-47	8270PAHS	04/26/06	Solid		30.48	1.0	88.63	
56330-48	8270PAHS	04/26/06	Solid		30.87	1.0	85.00	
56330-49	8270PAHS	04/26/06	Solid		30.48	1.0	85.86	
56330-50	8270PAHS	04/26/06	Solid		30.39	1.0	88.91	
56330-51	8270PAHS	04/26/06	Solid		30.49	1.0	86.94	
56330-52	8270PAHS	04/26/06	Solid		30.29	1.0	84.78	
56330-53	8270PAHS	04/26/06	Solid		30.16	1.0	57.05	
56330-54	8270PAHS	04/26/06	Solid		30.44	1.0	90.05	
56330-55	8270PAHS	04/26/06	Solid		30.07	1.0	76.61	
56330-56	8270PAHS	04/26/06	Solid		30.25	1.0	77.93	
56330-57	8270PAHS	04/26/06	Solid		30.88	1.0	85.17	
56330-58	8270PAHS	04/26/06	Solid		30.36	1.0	80.67	
56330-59	8270PAHS	04/26/06	Solid		30.84	1.0	79.15	
56330-60	8270PAHS	04/26/06	Solid		30.59	2.0	60.35	
56346-2	8270PAHS	04/26/06	Solid		30.09	1.0		
56346-3	8270PAHS	04/26/06	Solid		30.36	1.0		
56346-4	8270PAHS	04/26/06	Solid		30.37	1.0		
56346-5	8270PAHS	04/26/06	Solid		30.65	1.0		

√BH 04.26.06

Transfer Date:

Initials: BH

EXTRACT TRANSFER SHEET

Semi-Volatile Compounds:

4/26/06 SL

Sample	Analysis	Extraction Date	Matrix	Initial Volume(mL)	Initial Weight(g)	Final Volume(mL)	% Solids	Extraction Comments
56346-6	8270PAHS	04/26/06	Solid		30.58 ✓	1.0		
56346-7	8270PAHS	04/26/06	Solid		30.57- ✓	1.0		

Base Nuetral Acid Extractables Solid Preparation Logbook

4/26/06 SC ✓

Circle Method Reference: SW-846 3550B Sonication
SW-846 3545 Accelerated Solvent Extraction (ASE)

Date: 4.26.06 Time: 1330 QC Batch ID: Q-P-042606-1-AK
Initials: AK / BH Prep. Batch ID: P-P-042606-2-BH 4.26.06

Sample #	Matrix	Weight (g)	mL (1) Surrogate	mL (2)(3) Spike	Final Vol $MeCl_2$	Cook Down Date	Vessel #
042666AS-2	Na_2SO_4	30.39	0.5	1.0/1.0 (3) 1.0/1.0 (2)	1mL	4/26/06	N/A
042666AS-2	Si Sand	30.99	0.5	1.0/1.0		BM	
042666AS-2	Si Sand	30.46	0.5	1.0/1.0			
6346-2	soil	30.09	0.5	—			
-3		30.36	0.5	—			
-3, MS		30.69	0.5	1.0/1.0			
-3, MSD		30.23	0.5	1.0/1.0	1mL	4/26/06	
-4		30.37	0.5	—		SC	
-5		30.65	0.5	—			
-6		30.58	0.5	—			
-7		30.57	0.5	—			

4/26/06 SC

$MeCl_2$ Lot Number: 46039
1 Acetone/MeCl2 Lot #: /
Silica Sand Lot Number: 074617
Na_2SO_4 Lot Number: 452516D2

	Lot #	Exp Date
(1) ABN Surrogate:	56751	10.14.06
(3) ABN Spike (40 ug/mL):	56758	10.20.06
(2) Benzidines Spike (80 ug/mL):	56775	10.25.06
PAH Surrogate (5.0 ug/mL):		
PAH MS (5.0 ug/mL):		

analytics environmental laboratory LLC

SEMI-VOLATILE
DATA SUMMARIES

analytics environmental laboratory LLC

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

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100

June 28, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London Site 7

Project Number:

Field Sample ID: LABQC

SAMPLE DATA

Lab Sample ID: B04266AS-2
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 04/26/06
Analysis Date: 04/26/06

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	250	U
Acenaphthylene	250	U
Acenaphthene	250	U
Fluorene	250	U
Phenanthrene	250	U
Anthracene	250	U
Fluoranthene	250	U
Pyrene	250	U
Benzo[a]anthracene	250	U
Chrysene	250	U
Benzo[b] fluoranthene	250	U
Benzo[k] fluoranthene	250	U
Benzo[a] pyrene	250	U
Dibenz [a,h] anthracene	250	U
Benzo(g,h,i) perylene	250	U
Indeno [1,2,3-cd] pyrene	250	U
2-Methylnaphthalene	250	U

Surrogate Standard Recovery

d5-nitrobenzene	71 %	2-Fluorobiphenyl	79 %	d14-p-terphenyl	80 %

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47101B.D Vial: 11
Acq On : 26 Apr 2006 12:08 am Operator:
Sample : B04266AS-2 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 27 2:08 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4-27-06 4-27-06 SL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.80	152	632142	40.00	ug/ml	0.00
19) d8-Naphthalene	8.73	136	2229872	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.03	164	1019502	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.59	188	1732241	40.00	ug/ml	0.00
71) d12-Chrysene	23.05	240	1475049	40.00	ug/ml	-0.01
79) d12-Perylene	27.08	264	1338036	40.00	ug/ml	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	3.53	112	1065186	48.72	ug/ml	0.00
Spiked Amount 75.000	Range 29 - 97		Recovery = 64.96%			
5) d5-Phenol	5.44	99	1483348	53.11	ug/ml	0.00
Spiked Amount 75.000	Range 40 - 120		Recovery = 70.81%			
20) d5-nitrobenzene	7.13	82	901946	35.59	ug/ml	0.00
Spiked Amount 50.000	Range 20 - 101		Recovery = 71.18%			
39) 2-Fluorobiphenyl	11.43	172	1291053	39.48	ug/ml	0.00
Spiked Amount 50.000	Range 34 - 102		Recovery = 78.96%			
60) 2,4,6-Tribromophenol	15.02	330	369428	60.45	ug/ml	0.00
Spiked Amount 75.000	Range 36 - 141		Recovery = 80.60%			
73) d14-p-terphenyl	20.56	244	1311777	40.07	ug/ml	0.00
Spiked Amount 50.000	Range 38 - 108		Recovery = 80.14%			
Target Compounds						Qvalue
~~47)~~ 2,4-dinitrophenol	13.35	184	383	~~4.66 ug/ml#~~		46

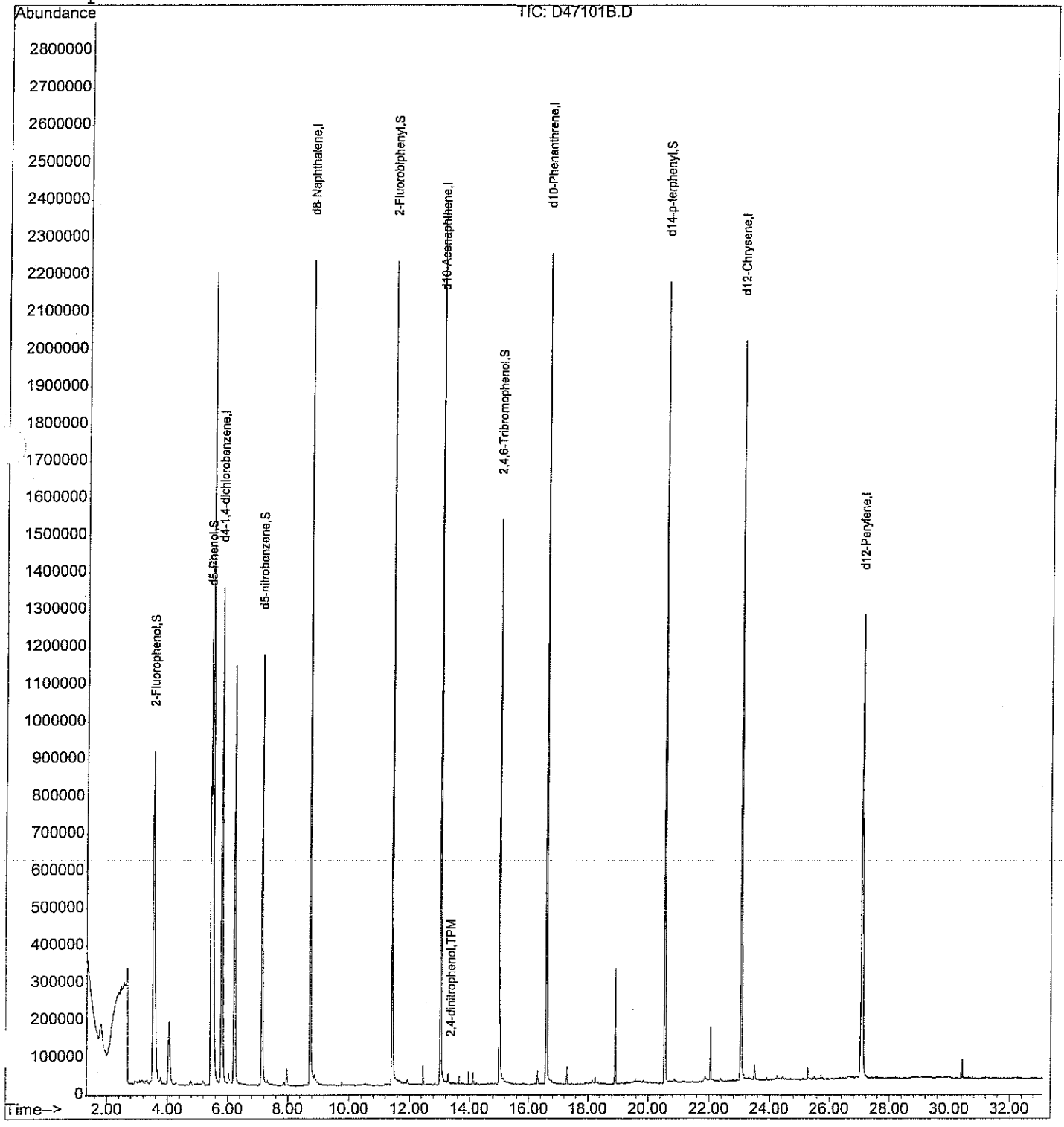
n/d

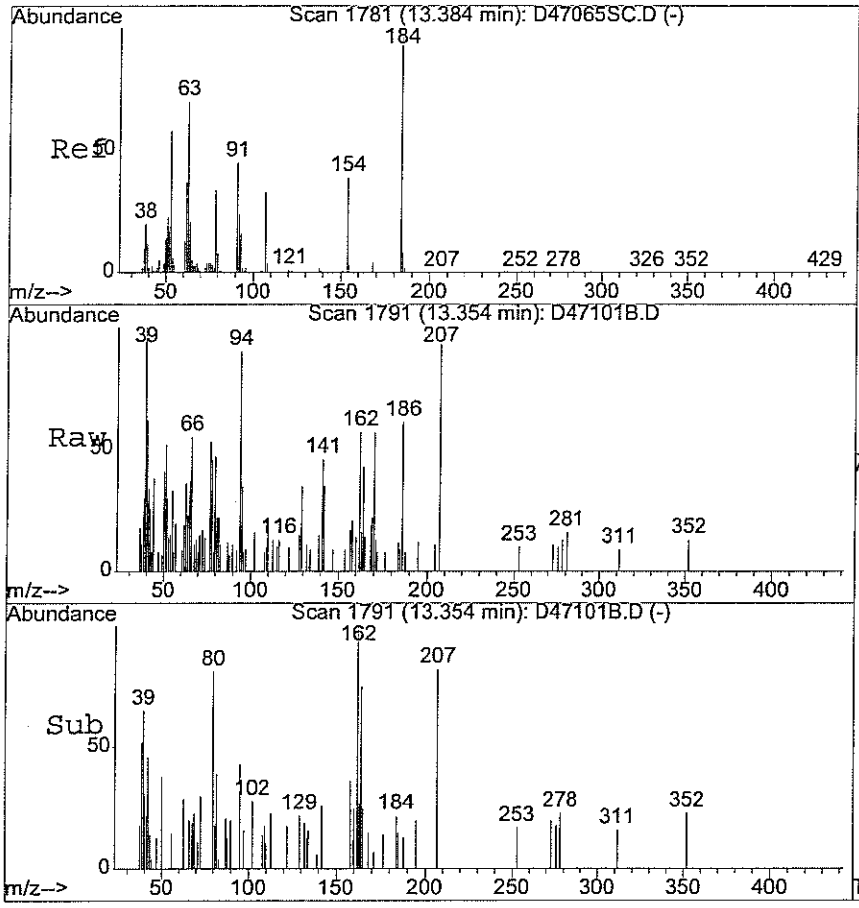
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042606-D\D47101B.D Vial: 11
Acq On : 26 Apr 2006 12:08 am Operator:
Sample : B04266AS-2 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 2:08 2006 Quant Results File: S04266.RES

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration

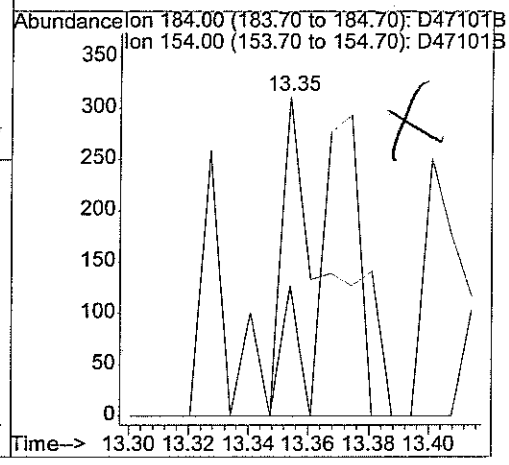




#47
2,4-dinitrophenol
Concen: 4.66 ug/ml
RT: 13.35 min Scan# 1791
Delta R.T. 0.01 min
Lab File: D47101B.D
Acq: 26 Apr 2006 12:08 am

Tgt Ion:184 Resp: 383

Ion	Ratio	Lower	Upper
184	100		
154	73.4	32.0	48.0#



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Source=MS
LastQuantMethod=D:\HPCHEM\1\METHODS\S04266.M
SampleAmount=0
Multiplier=1
Application=G1701BA Version B.01.00 Copyright (c) Hewlett-Packard 1989-1998
Date=Thu Apr 27 00:34:30 2006
Miscinfo=SOIL
SmartCard=HEWLETT-PACKARD,5972A,0,2.03.39
acqmode=0
TuneName=ABN.U
TunePath=C:\HPCHEM\1\5972\
TuneDate=13 Apr 2006 10:18 pm
Matrix=2
InitialAmt=1
FinalAmt=1
PrimaryFile=\data.ms
PrimaryType=hgfile
timestamp=MS ChemStation
NoLine=0
[Quant_S04266.M]
state=Not Reviewed
strData_state=Not Reviewed
intData_state=1
OrigQMeth=D:\HPCHEM\1\METHODS\S04266.M
CalTitle=ABN
CalUpdate=Wed Apr 26 22:28:35 2006
IsoDi=0
UseRteInt=1
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sig2evfile=rteint2.p
I[illegible]=0
QuantAligned=0
[Sequence]
RunClass=1
Update_QI=0
Update_RF=0
Update_RT=0
RunType=Sample
Upd_RF=No Update
Upd_RT=No Update
Upd_QI=No Update
ALS_Bottle=11
Area% Report=Default
Lib. Search Rep.=Default
Quant Report=Default
Post-Quant Macro=Default
CR Database=Default
CR Spreadsheet=Default
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methfile$=ABN.M
[SeqArgs]
SEQARGS_1=0
SEQARGS_2=0
SEQARGS_3=1
SEQARGS_4=0
SEQARGS_5=0
SEQARGS_6=0
SEQARGS_7=0
SEQARGS_8=65535
[SeqArgs2]
SEQARGS_1=0
SEQARGS_2=0

047101B.U

- time stamp error.

- Pre-post initial file indicates an injection on 4/27/06 not 4/27/06.

4.27.06

```
3EQARGS_3=0
3EQARGS_4=0
3EQARGS_5=0
3EQARGS_6=0
3EQARGS_7=0
3EQARGS_8=0
[Type]
Type=1
```

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800-929-9906

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100

April 27, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London

Project Number:

Field Sample ID: NSB-NLON-SITE7-BOT-CS-SL-07

SAMPLE DATA

Lab Sample ID: 56346-2
Matrix: Solid
Percent Solid: 72
Dilution Factor: 1.4
Collection Date: 04/25/06
Lab Receipt Date: 04/26/06
Extraction Date: 04/26/06
Analysis Date: 04/27/06

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	350	U
Acenaphthylene	350	U
Acenaphthene	350	U
Fluorene	350	U
Phenanthrene	350	U
Anthracene	350	U
Fluoranthene	350	U
Pyrene	350	U
Benzo[a]anthracene	350	U
Chrysene	350	U
Benzo[b] fluoranthene	350	U
Benzo[k] fluoranthene	350	U
Benzo[a] pyrene	350	U
Dibenz [a,h] anthracene	350	U
Benzo(g,h,i) perylene	350	U
Indeno [1,2,3-cd] pyrene	350	U
2-Methylnaphthalene	350	U

Surrogate Standard Recovery

d5-nitrobenzene	75 %	2-Fluorobiphenyl	71 %	d14-p-terphenyl	74 %

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47104.D
Acq On : 27 Apr 2006 1:35 am
Sample : 56346-2
Misc : SOIL
MS Integration Params: RTEINT.P
Quant Time: Apr 27 8:18 2006

Vial: 14
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4-27-06 SU

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.80	152	640409	40.00 ug/ml	0.00
19) d8-Naphthalene	8.73	136	2254185	40.00 ug/ml	0.00
35) d10-Acenaphthene	13.02	164	1027418	40.00 ug/ml	0.00
61) d10-Phenanthrene	16.59	188	1742244	40.00 ug/ml	0.00
71) d12-Chrysene	23.05	240	1535039	40.00 ug/ml	-0.01
79) d12-Perylene	27.09	264	1360971	40.00 ug/ml	0.00

System Monitoring Compounds

4) 2-Fluorophenol	3.52	112	1131294	51.07 ug/ml	0.00
Spiked Amount 75.000	Range 29 - 97		Recovery =	68.09%	
5) d5-Phenol	5.43	99	1554142	54.93 ug/ml	0.00
Spiked Amount 75.000	Range 40 - 120		Recovery =	73.24%	
20) d5-nitrobenzene	7.12	82	957626	37.38 ug/ml	0.00
Spiked Amount 50.000	Range 20 - 101		Recovery =	74.76%	
39) 2-Fluorobiphenyl	11.43	172	1164468	35.34 ug/ml	0.00
Spiked Amount 50.000	Range 34 - 102		Recovery =	70.68%	
60) 2,4,6-Tribromophenol	15.01	330	377328	61.27 ug/ml	0.00
Spiked Amount 75.000	Range 36 - 141		Recovery =	81.69%	
73) d14-p-terphenyl	20.55	244	1254702	36.83 ug/ml	0.00
Spiked Amount 50.000	Range 38 - 108		Recovery =	73.66%	

Target Compounds					Qvalue
~~47)~~ 2,4-dinitrophenol	13.37	184	259	~~4.64 ug/ml#~~	84

wt(g)=30.04
% Sol=72.02
DF=1.4

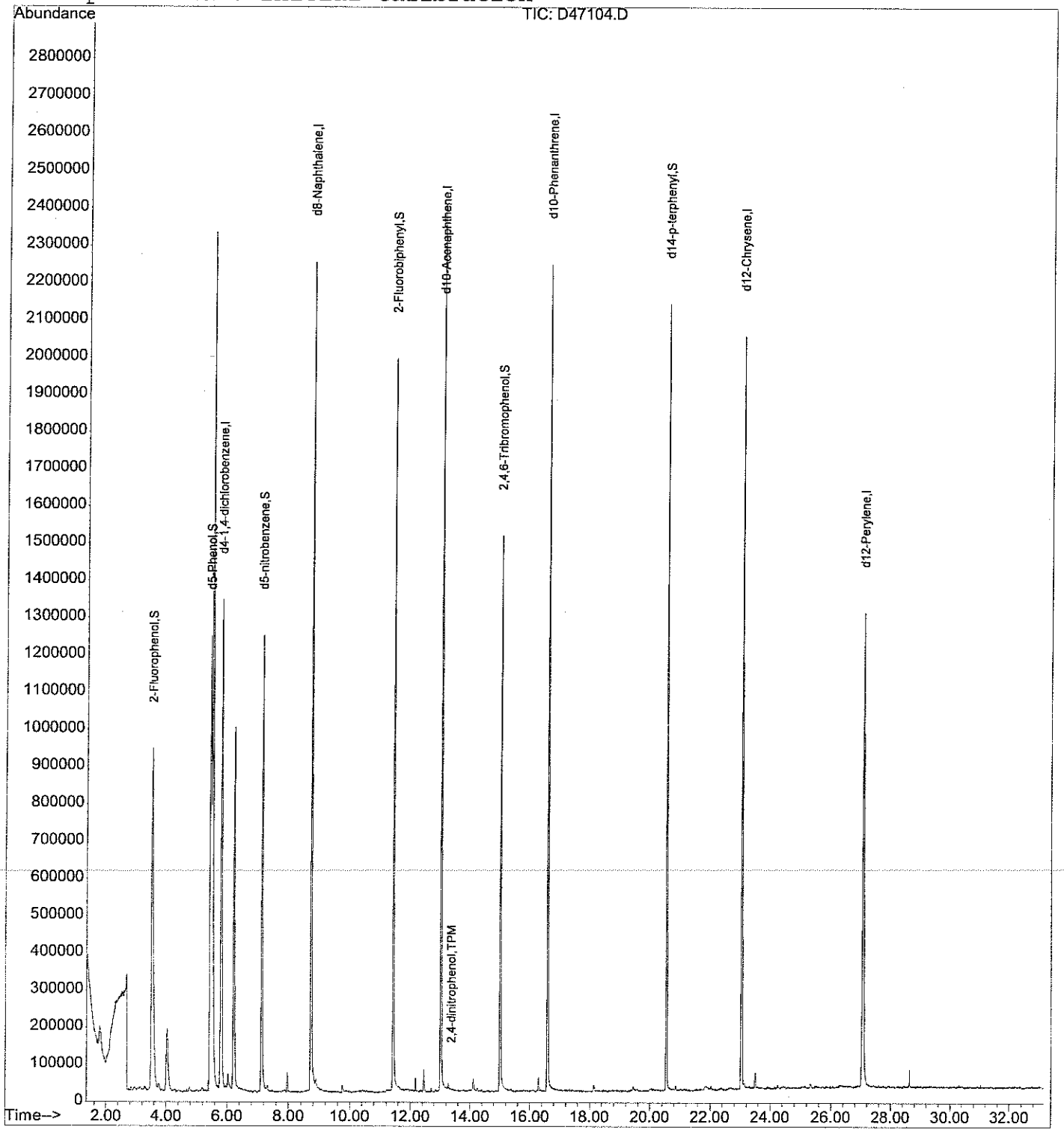
n/d
D4-27-06

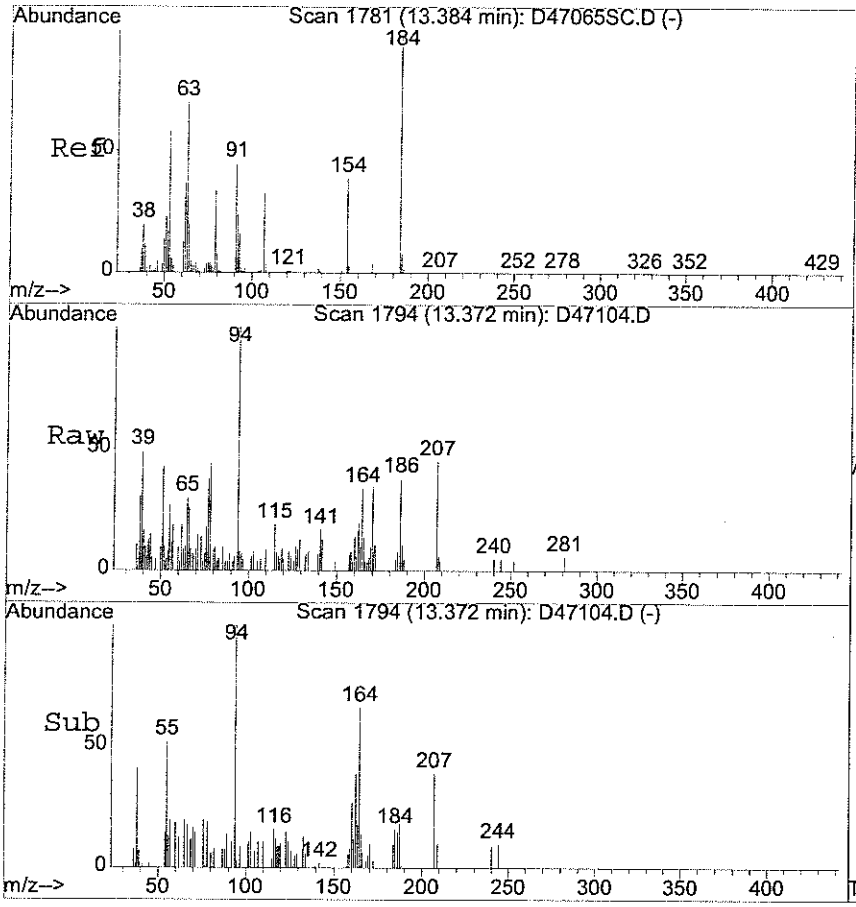
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042606-D\D47104.D Vial: 14
Acq On : 27 Apr 2006 1:35 am Operator:
Sample : 56346-2 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 8:18 2006 Quant Results File: S04266.RES

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration

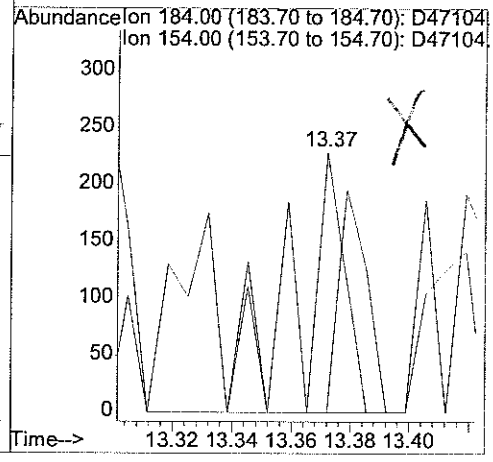




#47
2,4-dinitrophenol
Concen: 4.64 ug/ml
RT: 13.37 min Scan# 1794
Delta R.T. 0.03 min
Lab File: D47104.D
Acq: 27 Apr 2006 1:35 am

Tgt Ion:184 Resp: 259

Ion	Ratio	Lower	Upper
184	100		
154	49.8	32.0	48.0#



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Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100

April 27, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London

Project Number:

Field Sample ID: NSB-NLON-SITE7-SWN-CS-SL-09

SAMPLE DATA

Lab Sample ID: 56346-3
Matrix: Solid
Percent Solid: 91
Dilution Factor: 1.1
Collection Date: 04/25/06
Lab Receipt Date: 04/26/06
Extraction Date: 04/26/06
Analysis Date: 04/27/06

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	270	U
Acenaphthylene	270	U
Acenaphthene	270	U
Fluorene	270	U
Phenanthrene	270	U
Anthracene	270	U
Fluoranthene	270	U
Pyrene	270	U
Benzo[a]anthracene	270	U
Chrysene	270	U
Benzo[b] fluoranthene	270	U
Benzo[k] fluoranthene	270	U
Benzo[a] pyrene	270	U
Dibenz [a,h] anthracene	270	U
Benzo(g,h,i) perylene	270	U
Indeno [1,2,3-cd] pyrene	270	U
2-Methylnaphthalene	270	U

Surrogate Standard Recovery

d5-nitrobenzene	72 %	2-Fluorobiphenyl	82 %	d14-p-terphenyl	84 %

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47109.D Vial: 19
Acq On : 27 Apr 2006 4:53 am Operator:
Sample : 56346-3 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 8:19 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4-27-06 SL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.79	152	637652	40.00	ug/ml	0.00
19) d8-Naphthalene	8.73	136	2302615	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.02	164	1031391	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.59	188	1753242	40.00	ug/ml	0.00
71) d12-Chrysene	23.05	240	1416975	40.00	ug/ml	-0.01
79) d12-Perylene	27.09	264	1326975	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.51	112	1105904	50.14	ug/ml	-0.02
Spiked Amount 75.000	Range 29 - 97		Recovery =	66.85%		
5) d5-Phenol	5.42	99	1543604	54.79	ug/ml	-0.01
Spiked Amount 75.000	Range 40 - 120		Recovery =	73.05%		
20) d5-nitrobenzene	7.12	82	941495	35.98	ug/ml	0.00
Spiked Amount 50.000	Range 20 - 101		Recovery =	71.96%		
39) 2-Fluorobiphenyl	11.42	172	1351776	40.86	ug/ml	-0.01
Spiked Amount 50.000	Range 34 - 102		Recovery =	81.72%		
60) 2,4,6-Tribromophenol	15.01	330	405437	65.58	ug/ml	0.00
Spiked Amount 75.000	Range 36 - 141		Recovery =	87.44%		
73) d14-p-terphenyl	20.55	244	1320149	41.97	ug/ml	0.00
Spiked Amount 50.000	Range 38 - 108		Recovery =	83.94%		
Target Compounds						Qvalue
~~47)~~ 2,4-dinitrophenol	13.35	184	43	~~4.60 ug/ml#~~		1

WH(g) = 30.36
%SW = 91.39
DF = 1.1

ND

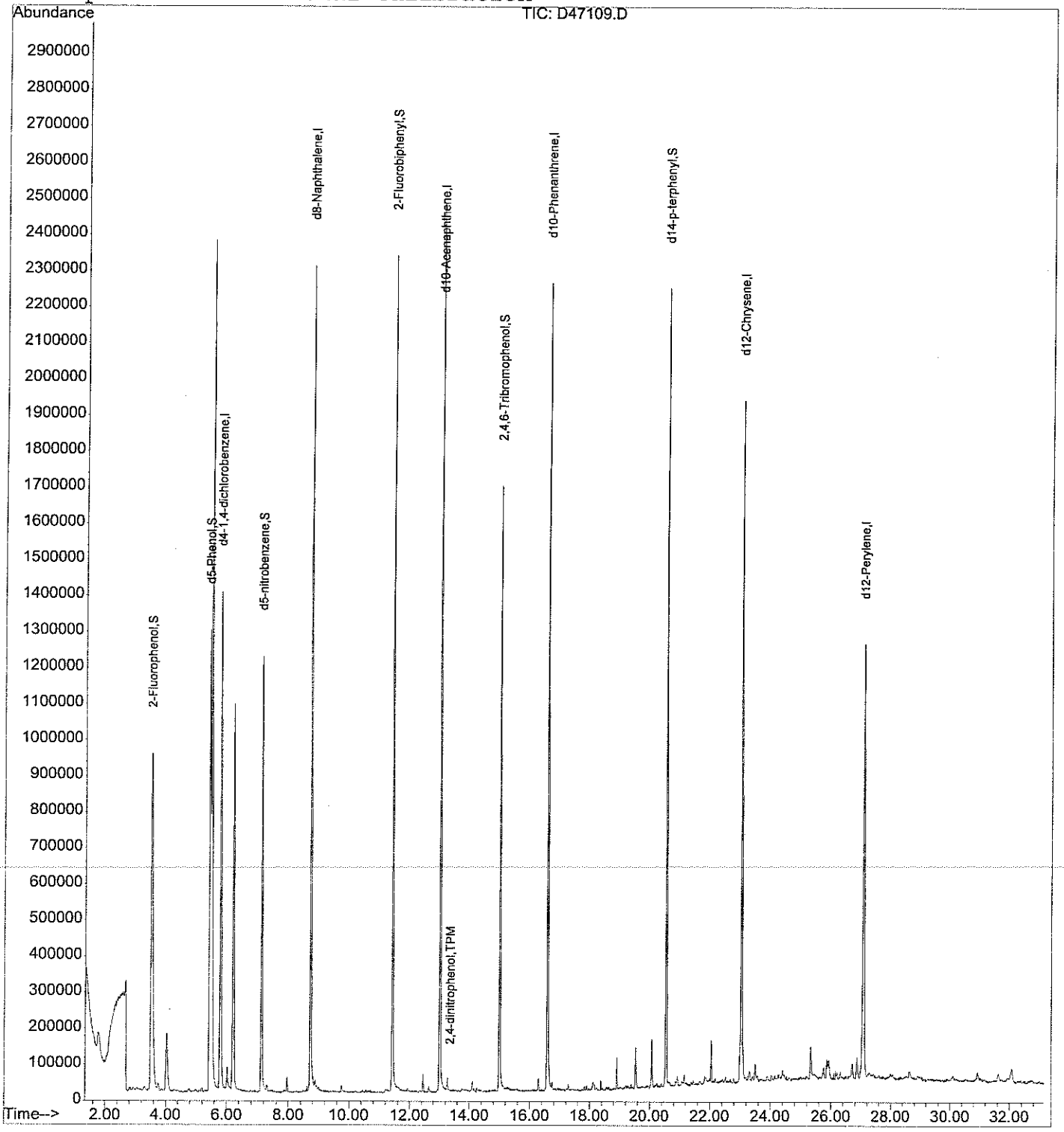
5427/06

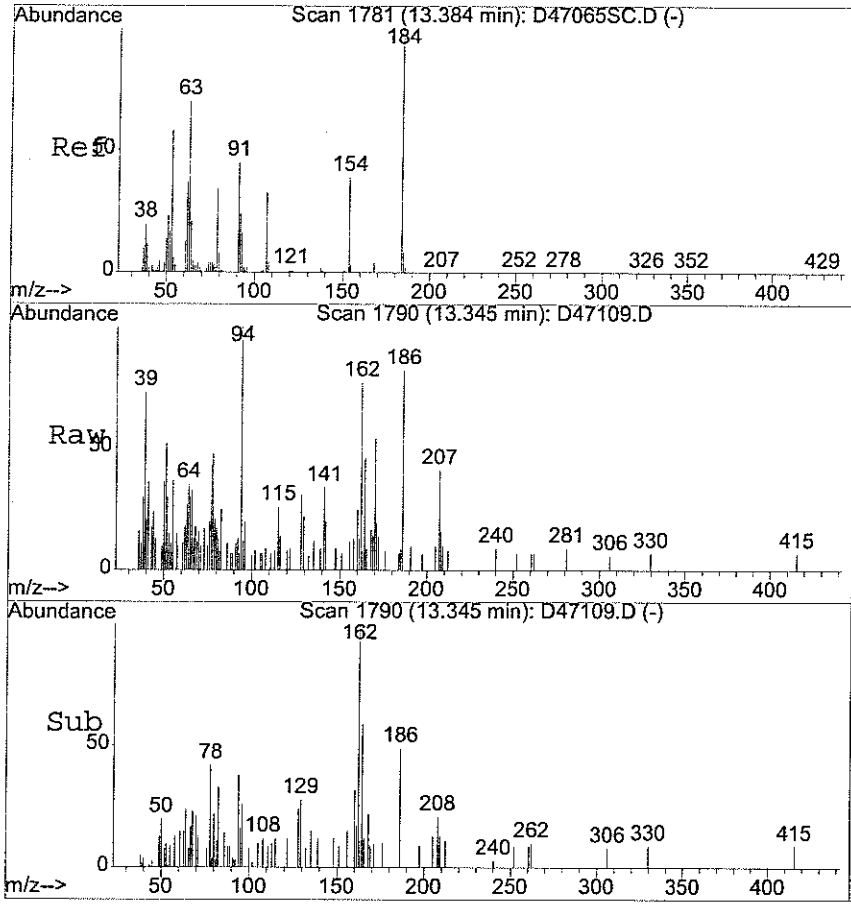
(#) = qualifier out of range (m) = manual integration
D47109.D S04266.M Thu Apr 27 08:30:30 2006 Page 1

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042606-D\D47109.D Vial: 19
Acq On : 27 Apr 2006 4:53 am Operator:
Sample : 56346-3 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 8:19 2006 Quant Results File: S04266.RES

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration

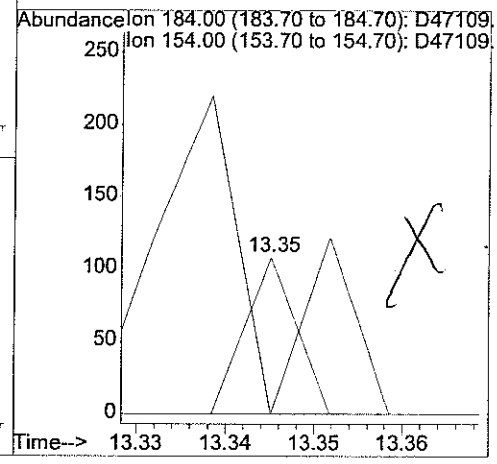




#47
2,4-dinitrophenol
Concen: 4.60 ug/ml
RT: 13.35 min Scan# 1790
Delta R.T. 0.00 min
Lab File: D47109.D
Acq: 27 Apr 2006 4:53 am

Tgt Ion:184 Resp: 43

Ion	Ratio	Lower	Upper
184	100		
154	432.6	32.0	48.0#



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820 Town Center Drive, Suite 100

April 27, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London

Project Number:

Field Sample ID: NSB-NLON-SITE7-SWW-CS-SL-11

SAMPLE DATA

Lab Sample ID:	56346-4
Matrix:	Solid
Percent Solid:	91
Dilution Factor:	1.1
Collection Date:	04/25/06
Lab Receipt Date:	04/26/06
Extraction Date:	04/26/06
Analysis Date:	04/27/06

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	270	U
Acenaphthylene	270	U
Acenaphthene	270	U
Fluorene	270	U
Phenanthrene	270	U
Anthracene	270	U
Fluoranthene	270	U
Pyrene	270	U
Benzo[a]anthracene	270	U
Chrysene	270	U
Benzo[b] fluoranthene	270	U
Benzo[k] fluoranthene	270	U
Benzo[a] pyrene	270	U
Dibenz [a,h] anthracene	270	U
Benzo(g,h,i) perylene	270	U
Indeno [1,2,3-cd] pyrene	270	U
2-Methylnaphthalene	270	U

Surrogate Standard Recovery

d5-nitrobenzene	73 %	2-Fluorobiphenyl	81 %	d14-p-terphenyl	87 %

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47107.D Vial: 17
Acq On : 27 Apr 2006 3:47 am Operator:
Sample : 56346-4 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 8:19 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4-27-06 SL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.80	152	589808	40.00	ug/ml	0.00
19) d8-Naphthalene	8.73	136	2153323	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.02	164	985801	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.59	188	1652221	40.00	ug/ml	0.00
71) d12-Chrysene	23.05	240	1347947	40.00	ug/ml	-0.01
79) d12-Perylene	27.09	264	1237682	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.52	112	1033055	50.64	ug/ml	-0.01
Spiked Amount 75.000	Range 29 - 97		Recovery = 67.52% ✓			
5) d5-Phenol	5.43	99	1495103	57.37	ug/ml	0.00
Spiked Amount 75.000	Range 40 - 120		Recovery = 76.49% ✓			
20) d5-nitrobenzene	7.13	82	898377	36.71	ug/ml	0.00
Spiked Amount 50.000	Range 20 - 101		Recovery = 73.42% ✓			
39) 2-Fluorobiphenyl	11.42	172	1277814	40.41	ug/ml	-0.01
Spiked Amount 50.000	Range 34 - 102		Recovery = 80.82% ✓			
60) 2,4,6-Tribromophenol	15.01	330	385273	65.20	ug/ml	0.00
Spiked Amount 75.000	Range 36 - 141		Recovery = 86.93% ✓			
73) d14-p-terphenyl	20.55	244	1295952	43.32	ug/ml	0.00
Spiked Amount 50.000	Range 38 - 108		Recovery = 86.64% ✓			
Target Compounds						Qvalue
~~47)~~ 2,4-dinitrophenol	13.33	184	41	~~4.60 ug/ml#~~		1

WH(g) = 30.37
%Sol = 90.68
DF = 1.1

D 4-27-06

nld

(#) = qualifier out of range (m) = manual integration
D47107.D S04266.M Thu Apr 27 08:30:18 2006 Page 1

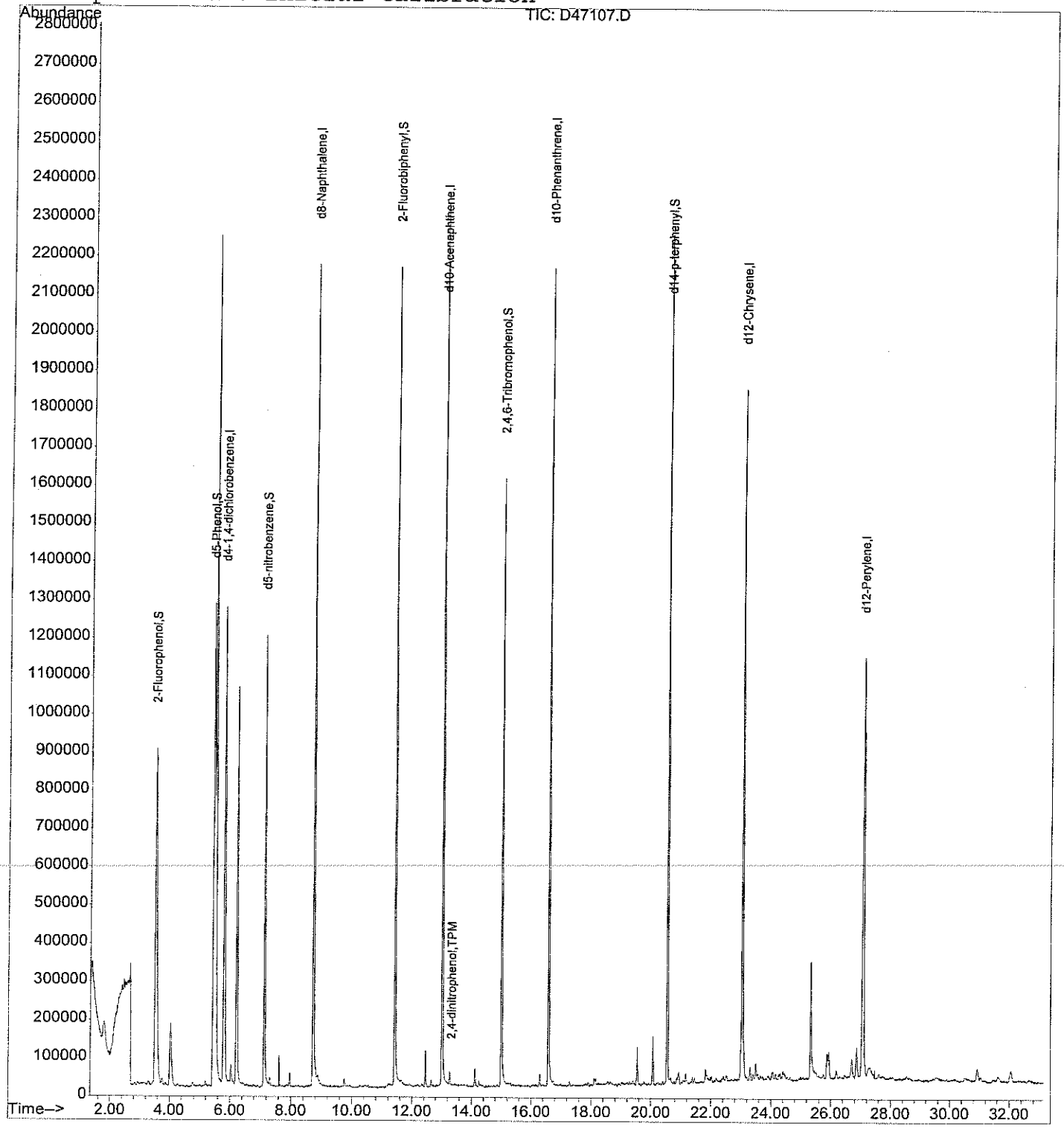
Quantitation Report

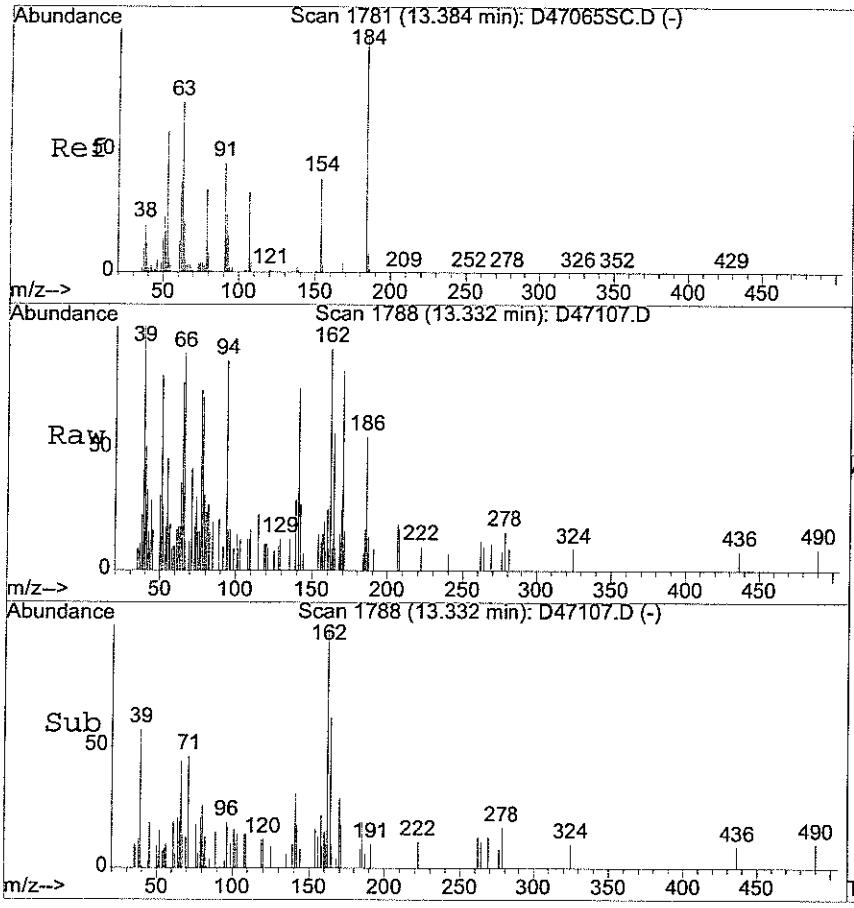
Data File : D:\HPCHEM\1\DATA\042606-D\D47107.D
Acq On : 27 Apr 2006 3:47 am
Sample : 56346-4
Misc : SOIL
MS Integration Params: RTEINT.P
Quant Time: Apr 27 8:19 2006

Vial: 17
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: S04266.RES

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration

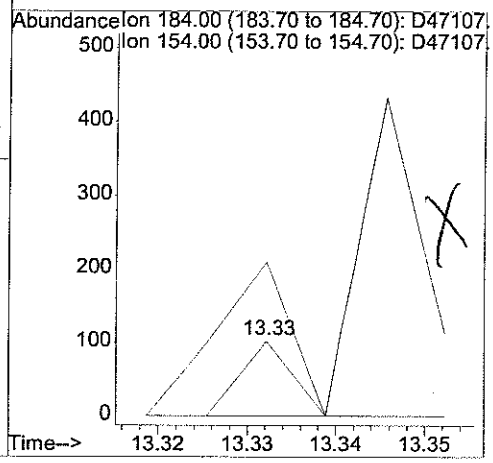




#47
2,4-dinitrophenol
Concen: 4.60 ug/ml
RT: 13.33 min Scan# 1788
Delta R.T. -0.01 min
Lab File: D47107.D
Acq: 27 Apr 2006 3:47 am

Tgt Ion:184 Resp: 41

Ion	Ratio	Lower	Upper
184	100		
154	841.5	32.0	48.0#



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Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100

April 27, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London

Project Number:

Field Sample ID: NSB-NLON-SITE7-BOT-CS-SL-08

SAMPLE DATA

Lab Sample ID: 56346-5
Matrix: Solid
Percent Solid: 78
Dilution Factor: 1.3
Collection Date: 04/25/06
Lab Receipt Date: 04/26/06
Extraction Date: 04/26/06
Analysis Date: 04/27/06

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	310	U
Acenaphthylene	310	U
Acenaphthene	310	U
Fluorene	310	U
Phenanthrene	310	U
Anthracene	310	U
Fluoranthene	310	U
Pyrene	310	U
Benzo[a]anthracene	310	U
Chrysene	310	U
Benzo[b] fluoranthene	310	U
Benzo[k] fluoranthene	310	U
Benzo[a] pyrene	310	U
Dibenz [a,h] anthracene	310	U
Benzo(g,h,i) perylene	310	U
Indeno [1,2,3-cd] pyrene	310	U
2-Methylnaphthalene	310	U

Surrogate Standard Recovery

d5-nitrobenzene	77 %	2-Fluorobiphenyl	81 %	d14-p-terphenyl	87 %

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature Melissa Tall

PAH Report

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47105.D Vial: 15
Acq On : 27 Apr 2006 2:41 am Operator:
Sample : 56346-5 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 8:18 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4-27-06 SL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.80	152	655761	40.00	ug/ml	0.00
19) d8-Naphthalene	8.73	136	2296740	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.02	164	1064156	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.59	188	1790637	40.00	ug/ml	0.00
71) d12-Chrysene	23.05	240	1549545	40.00	ug/ml	-0.01
79) d12-Perylene	27.09	264	1382282	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.51	112	1231552	54.30	ug/ml	-0.01
Spiked Amount 75.000	Range 29 - 97		Recovery = 72.40% ✓			
5) d5-Phenol	5.43	99	1685050	58.16	ug/ml	0.00
Spiked Amount 75.000	Range 40 - 120		Recovery = 77.55% ✓			
20) d5-nitrobenzene	7.12	82	1008641	38.64	ug/ml	0.00
Spiked Amount 50.000	Range 20 - 101		Recovery = 77.28% ✓			
39) 2-Fluorobiphenyl	11.43	172	1381050	40.46	ug/ml	0.00
Spiked Amount 50.000	Range 34 - 102		Recovery = 80.92% ✓			
60) 2,4,6-Tribromophenol	15.02	330	425914	66.77	ug/ml	0.00
Spiked Amount 75.000	Range 36 - 141		Recovery = 89.03% ✓			
73) d14-p-terphenyl	20.56	244	1492381	43.39	ug/ml	0.00
Spiked Amount 50.000	Range 38 - 108		Recovery = 86.78%			
Target Compounds						Qvalue
~~47~~) 2,4-dinitrophenol	13.30	184	68	~~4.60 ug/ml#~~		1

wt(g) = 30.65
%sol = ~~78.04~~
DF = 1.3

4-27-06

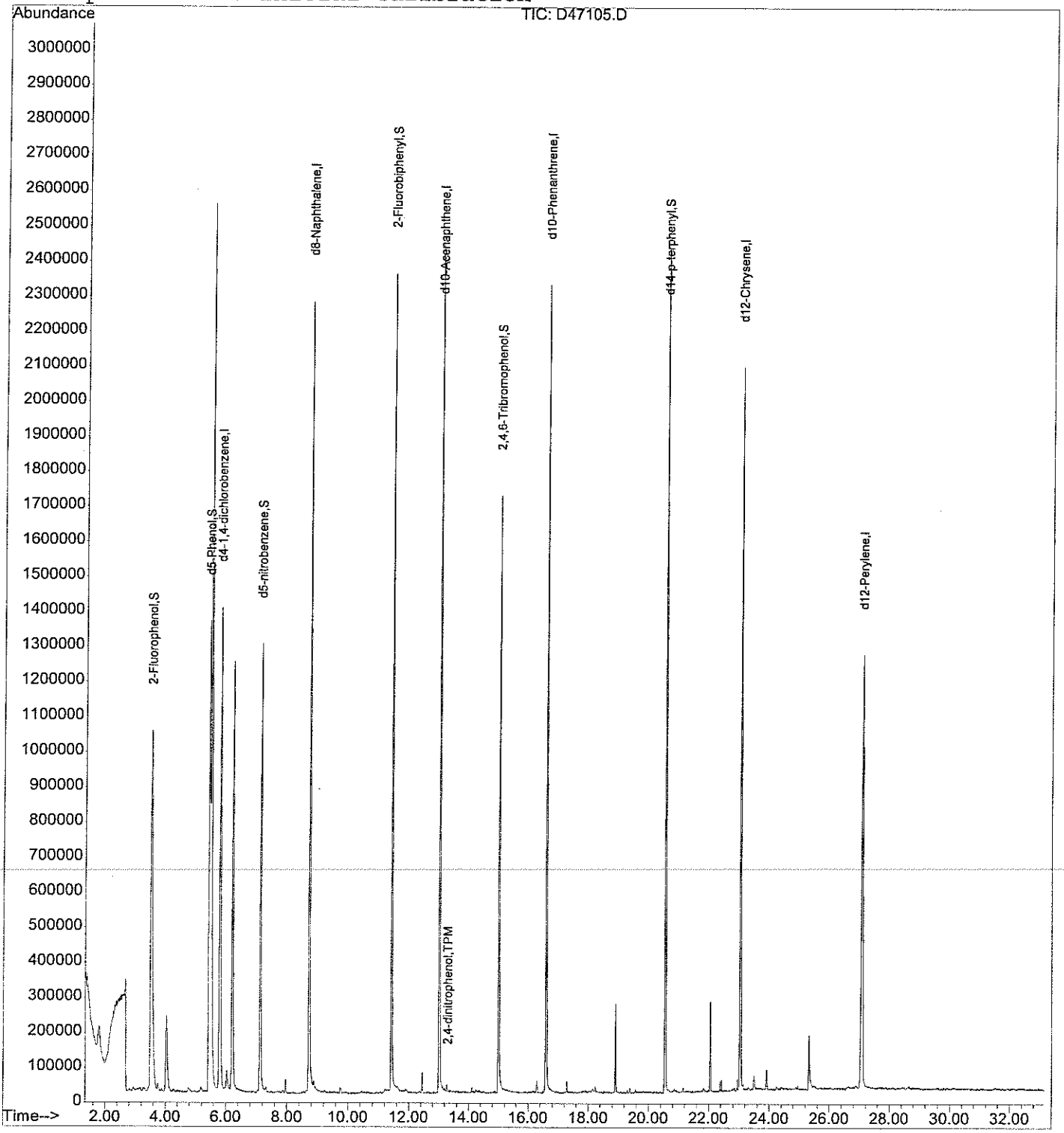
nd

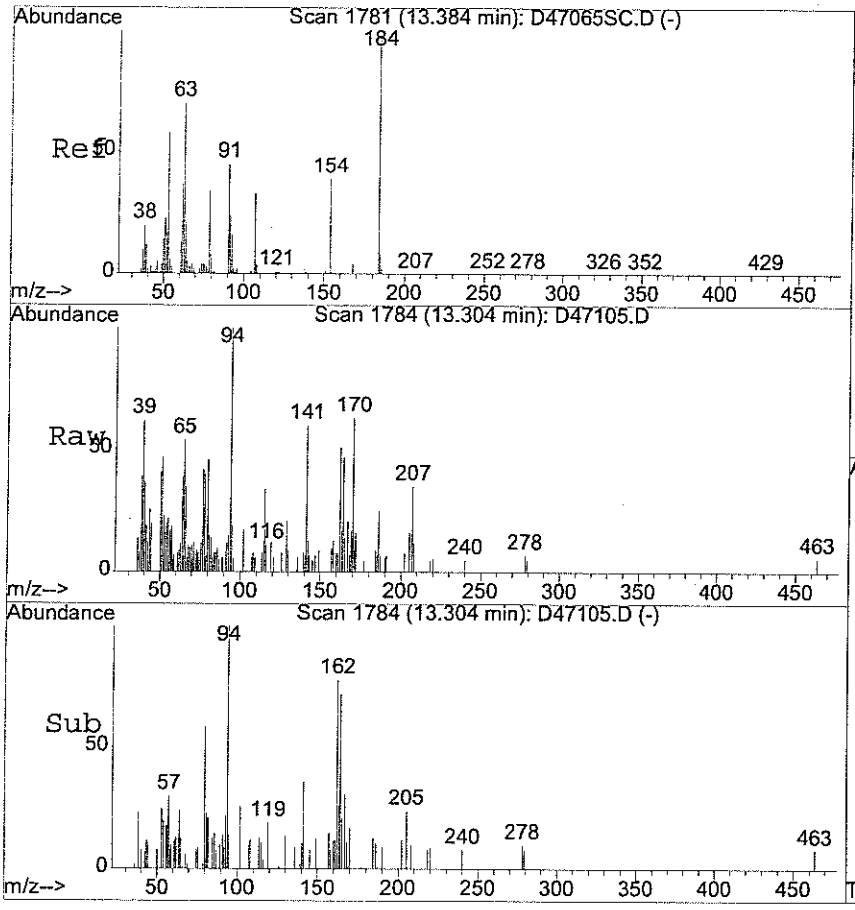
(#) = qualifier out of range (m) = manual integration
D47105.D S04266.M Thu Apr 27 08:30:07 2006 Page 1

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042606-D\D47105.D Vial: 15
Acq On : 27 Apr 2006 2:41 am Operator:
Sample : 56346-5 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 8:18 2006 Quant Results File: S04266.RES

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration

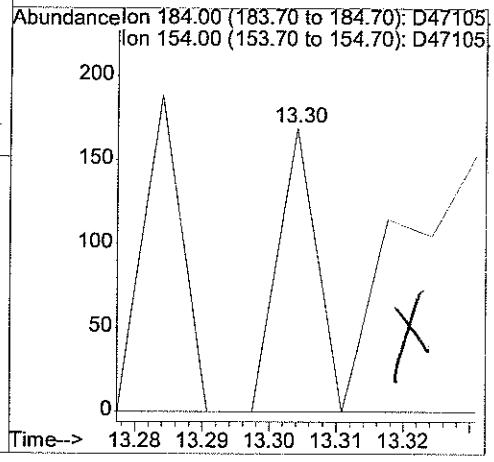




#47
2,4-dinitrophenol
Concen: 4.60 ug/ml
RT: 13.30 min Scan# 1784
Delta R.T. -0.04 min
Lab File: D47105.D
Acq: 27 Apr 2006 2:41 am

Tgt Ion:184 Resp: 68

Ion	Ratio	Lower	Upper
184	100		
154	111.8	32.0	48.0#



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April 27, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London

Project Number:

Field Sample ID: NSB-NLON-SITE7-SWE-CS-SL-10

SAMPLE DATA

Lab Sample ID: 56346-6
Matrix: Solid
Percent Solid: 91
Dilution Factor: 1.1
Collection Date: 04/25/06
Lab Receipt Date: 04/26/06
Extraction Date: 04/26/06
Analysis Date: 04/27/06

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	270	U
Acenaphthylene	270	U
Acenaphthene	270	U
Fluorene	270	U
Phenanthrene	270	U
Anthracene	270	U
Fluoranthene	270	U
Pyrene	270	U
Benzo[a]anthracene	270	U
Chrysene	270	U
Benzo[b] fluoranthene	270	U
Benzo[k] fluoranthene	270	U
Benzo[a] pyrene	270	U
Dibenz [a,h] anthracene	270	U
Benzo(g,h,i) perylene	270	U
Indeno [1,2,3-cd] pyrene	270	U
2-Methylnaphthalene	270	U

Surrogate Standard Recovery

d5-nitrobenzene	78 %	2-Fluorobiphenyl	85 %	d14-p-terphenyl	84 %

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47106.D Vial: 16
Acq On : 27 Apr 2006 3:14 am Operator:
Sample : 56346-6 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 8:18 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4-27-06 SL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.80	152	595468	40.00	ug/ml	0.00
19) d8-Naphthalene	8.73	136	2171594	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.02	164	996623	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.59	188	1652784	40.00	ug/ml	0.00
71) d12-Chrysene	23.05	240	1455236	40.00	ug/ml	-0.01
79) d12-Perylene	27.08	264	1279626	40.00	ug/ml	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	3.51	112	1104653	53.64	ug/ml	-0.01
Spiked Amount 75.000	Range 29 - 97		Recovery = 71.52%			
5) d5-Phenol	5.43	99	1531220	58.20	ug/ml	0.00
Spiked Amount 75.000	Range 40 - 120		Recovery = 77.60%			
20) d5-nitrobenzene	7.12	82	957115	38.78	ug/ml	0.00
Spiked Amount 50.000	Range 20 - 101		Recovery = 77.56%			
39) 2-Fluorobiphenyl	11.42	172	1360139	42.55	ug/ml	0.00
Spiked Amount 50.000	Range 34 - 102		Recovery = 85.10%			
60) 2,4,6-Tribromophenol	15.01	330	393422	65.86	ug/ml	0.00
Spiked Amount 75.000	Range 36 - 141		Recovery = 87.81%			
73) d14-p-terphenyl	20.56	244	1358809	42.07	ug/ml	0.00
Spiked Amount 50.000	Range 38 - 108		Recovery = 84.14%			
Target Compounds						Qvalue
~~47~~) 2,4-dinitrophenol	13.35	184	137	~~4.62 ug/ml#~~		18

WH(g) = 30.58
%Sol = 91.34
DF = 1.1

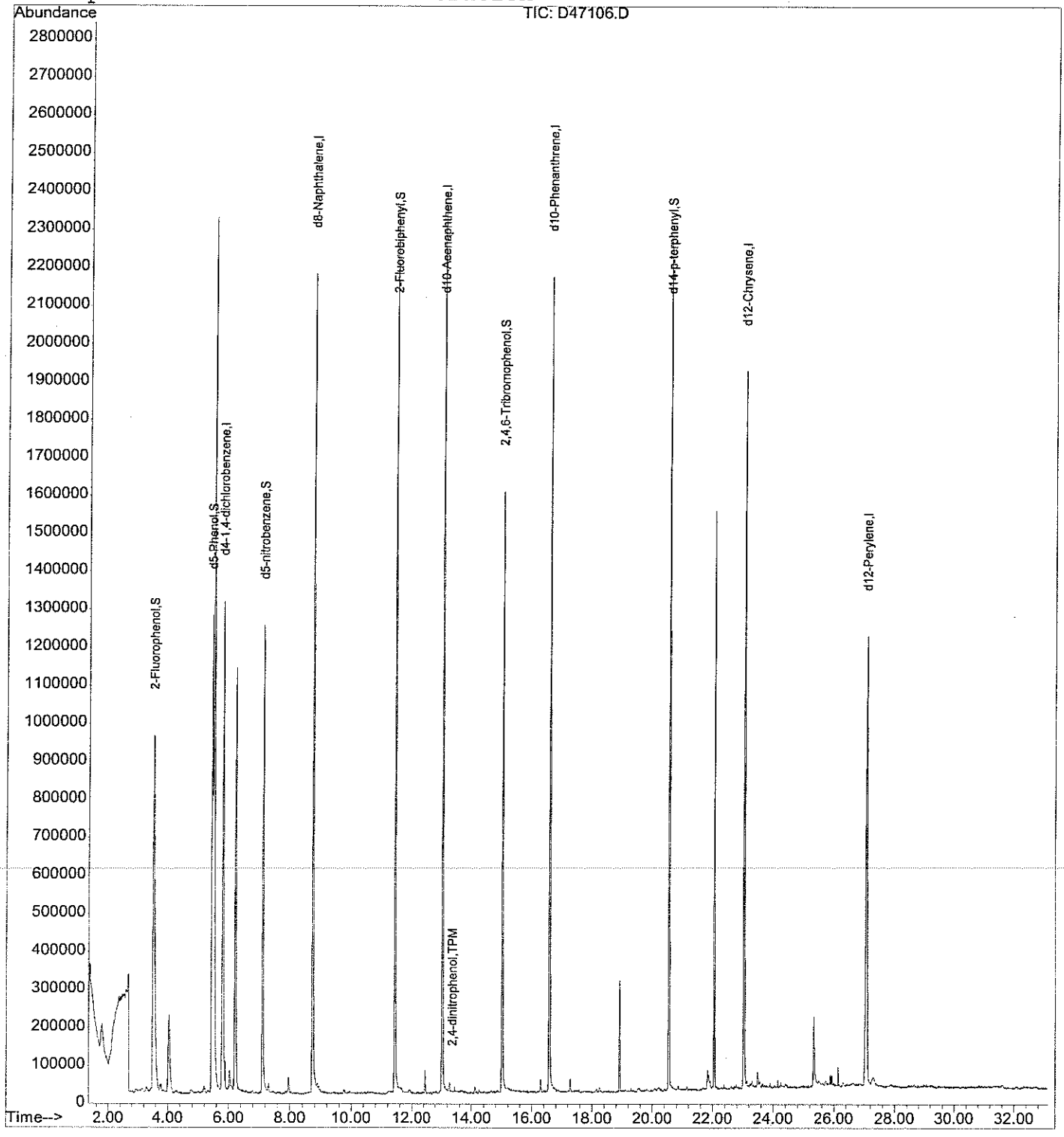
ND 4-27-06

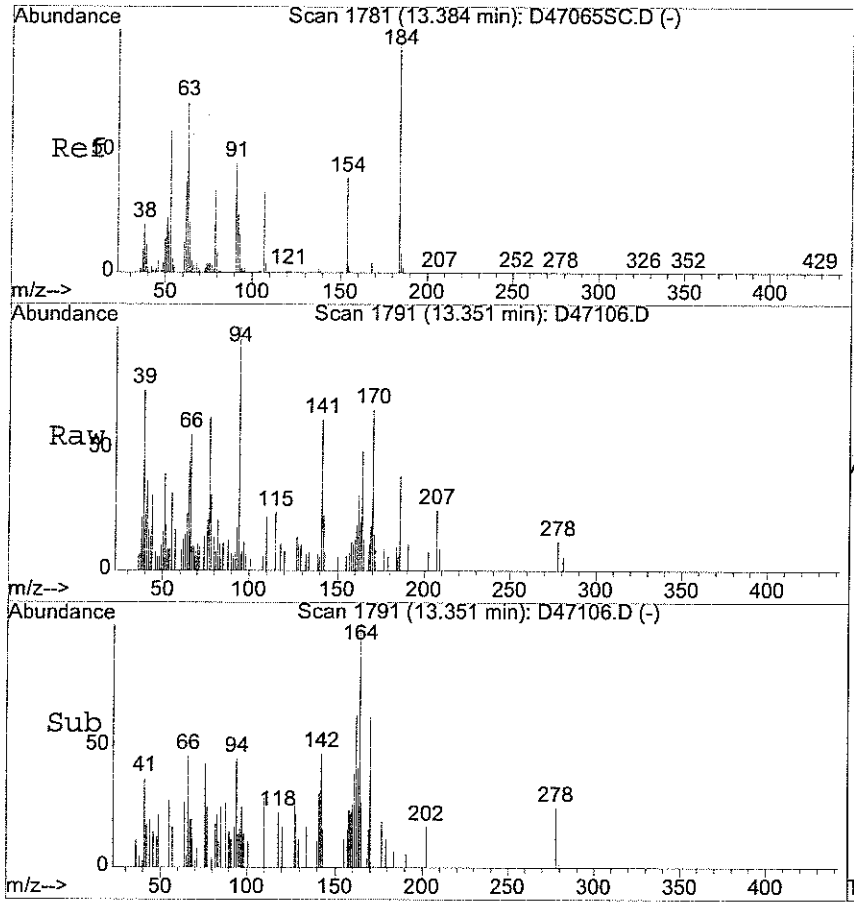
(#) = qualifier out of range (m) = manual integration
D47106.D S04266.M Thu Apr 27 08:30:13 2006 Page 1

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042606-D\D47106.D Vial: 16
Acq On : 27 Apr 2006 3:14 am Operator:
Sample : 56346-6 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 8:18 2006 Quant Results File: S04266.RES

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration

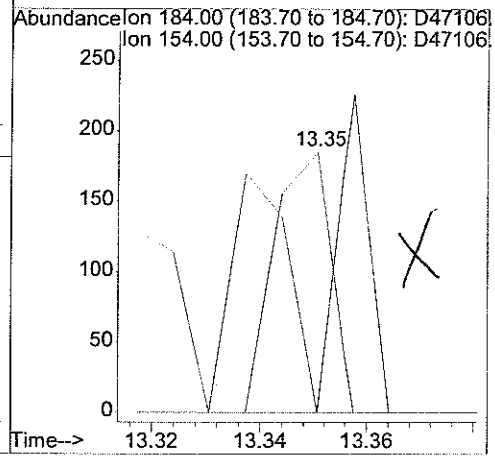




#47
2,4-dinitrophenol
Concen: 4.62 ug/ml
RT: 13.35 min Scan# 1791
Delta R.T. 0.01 min
Lab File: D47106.D
Acq: 27 Apr 2006 3:14 am

Tgt Ion:184 Resp: 137

Ion	Ratio	Lower	Upper
184	100		
154	90.5	32.0	48.0#



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April 27, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London

Project Number:

Field Sample ID: NSB-NLON-SITE7-SWW-CS-SL-11-042506-1

SAMPLE DATA

Lab Sample ID: 56346-7
Matrix: Solid
Percent Solid: 90
Dilution Factor: 1.1
Collection Date: 04/25/06
Lab Receipt Date: 04/26/06
Extraction Date: 04/26/06
Analysis Date: 04/27/06

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	270	U
Acenaphthylene	270	U
Acenaphthene	270	U
Fluorene	270	U
Phenanthrene	270	U
Anthracene	270	U
Fluoranthene	270	U
Pyrene	270	U
Benzo[a]anthracene	270	U
Chrysene	270	U
Benzo[b] fluoranthene	270	U
Benzo[k] fluoranthene	270	U
Benzo[a] pyrene	270	U
Dibenz [a,h] anthracene	270	U
Benzo(g,h,i) perylene	270	U
Indeno [1,2,3-cd] pyrene	270	U
2-Methylnaphthalene	270	U

Surrogate Standard Recovery

d5-nitrobenzene	74 %	2-Fluorobiphenyl	84 %	d14-p-terphenyl	84 %

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature Malena Hall

PAH Report

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47108.D
Acq On : 27 Apr 2006 4:20 am
Sample : 56346-7
Misc : SOIL
MS Integration Params: RTEINT.P
Quant Time: Apr 27 8:19 2006

Vial: 18
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4-27-06 SL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.79	152	637555	40.00 ug/ml	0.00
19) d8-Naphthalene	8.73	136	2275399	40.00 ug/ml	0.00
35) d10-Acenaphthene	13.02	164	1019725	40.00 ug/ml	0.00
61) d10-Phenanthrene	16.59	188	1733419	40.00 ug/ml	0.00
71) d12-Chrysene	23.05	240	1452656	40.00 ug/ml	-0.01
79) d12-Perylene	27.09	264	1287578	40.00 ug/ml	0.00

System Monitoring Compounds

4) 2-Fluorophenol	3.51	112	1113662	50.50 ug/ml	-0.02
Spiked Amount 75.000	Range 29 - 97		Recovery =	67.33%	
5) d5-Phenol	5.42	99	1582008	56.16 ug/ml	-0.01
Spiked Amount 75.000	Range 40 - 120		Recovery =	74.88%	
20) d5-nitrobenzene	7.12	82	952050	36.82 ug/ml	0.00
Spiked Amount 50.000	Range 20 - 101		Recovery =	73.64%	
39) 2-Fluorobiphenyl	11.43	172	1368402	41.84 ug/ml	0.00
Spiked Amount 50.000	Range 34 - 102		Recovery =	83.68%	
60) 2,4,6-Tribromophenol	15.01	330	408248	66.79 ug/ml	0.00
Spiked Amount 75.000	Range 36 - 141		Recovery =	89.05%	
73) d14-p-terphenyl	20.55	244	1360800	42.20 ug/ml	0.00
Spiked Amount 50.000	Range 38 - 108		Recovery =	84.40%	

Target Compounds					Qvalue
~~47)~~ 2,4-dinitrophenol	13.33	184	48	~~4.60 ug/ml#~~	1

wt(g) = 30.57
% sol = 90.47
DF = 1.1

√D 4-27-06

nld

(#) = qualifier out of range (m) = manual integration

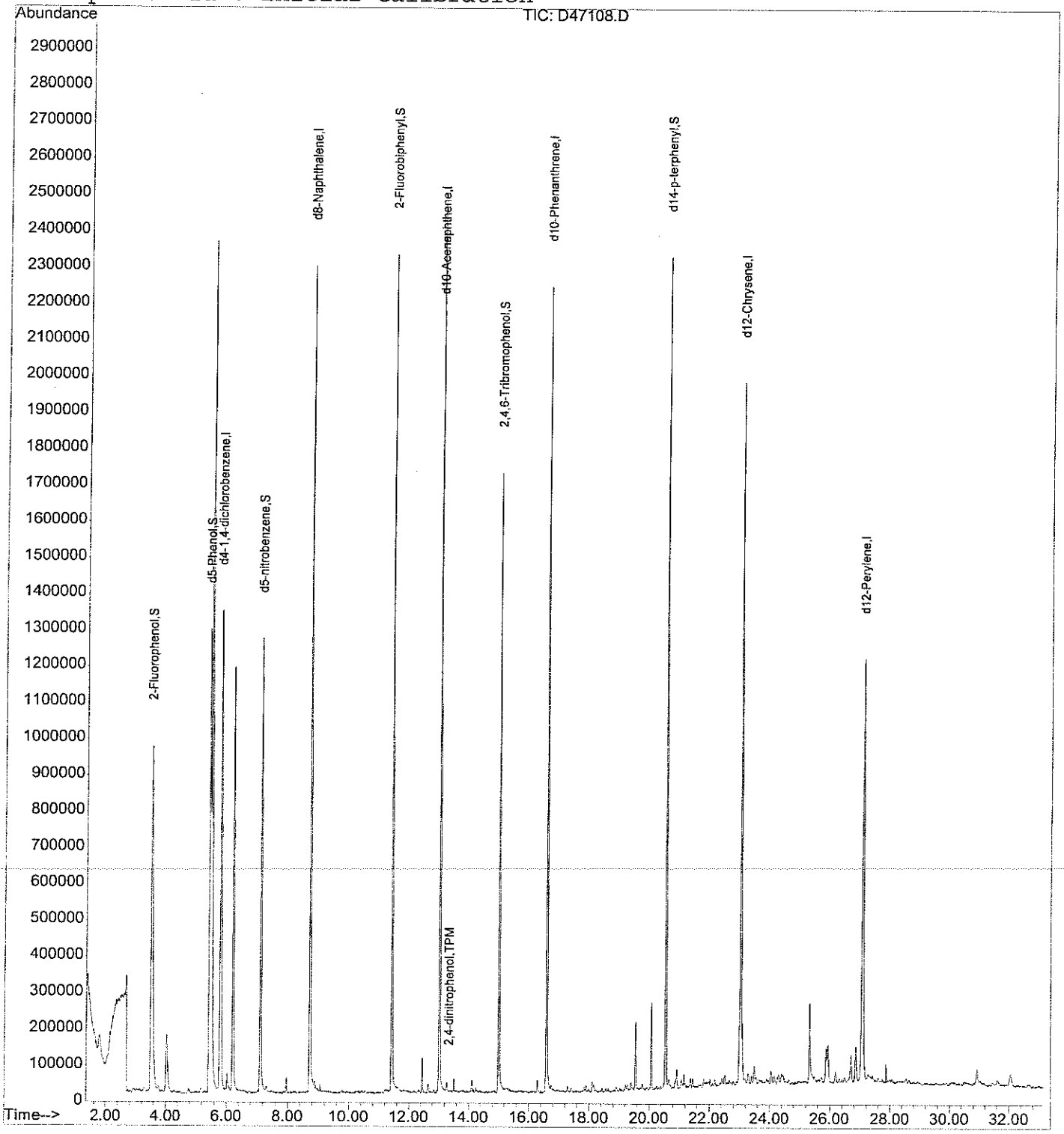
Quantitation Report

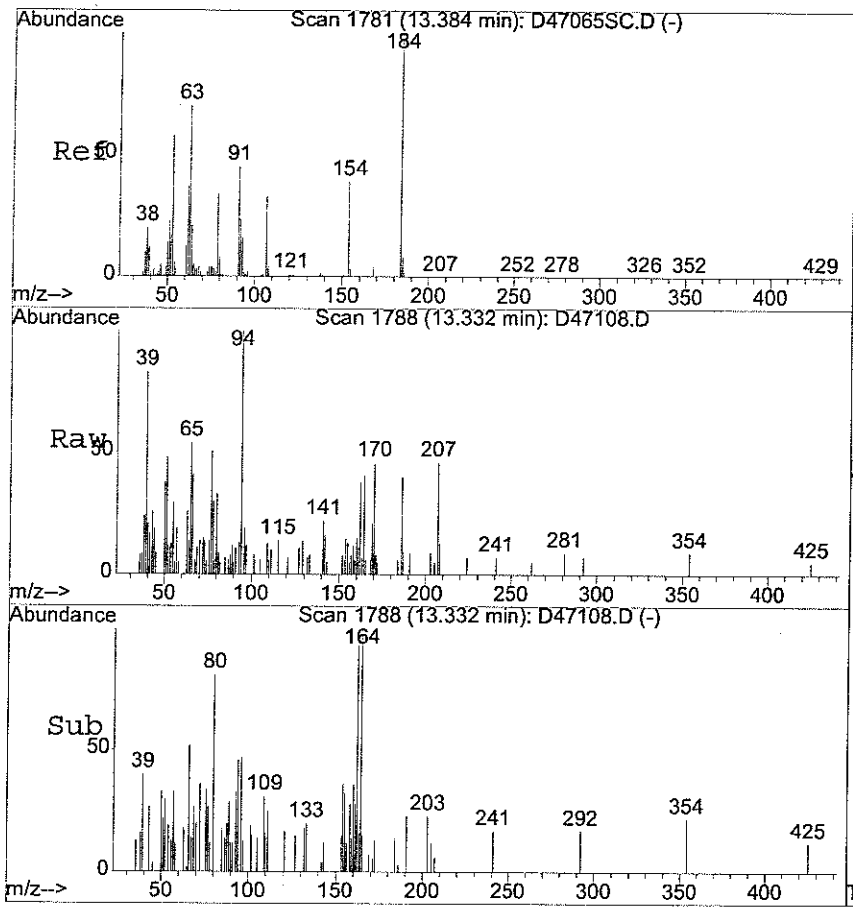
Data File : D:\HPCHEM\1\DATA\042606-D\D47108.D
Acq On : 27 Apr 2006 4:20 am
Sample : 56346-7
Misc : SOIL
MS Integration Params: RTEINT.P
Quant Time: Apr 27 8:19 2006

Vial: 18
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: S04266.RES

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration

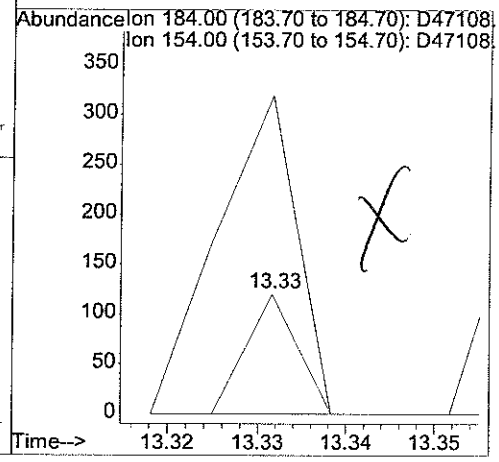




#47
2,4-dinitrophenol
Concen: 4.60 ug/ml
RT: 13.33 min Scan# 1788
Delta R.T. -0.01 min
Lab File: D47108.D
Acq: 27 Apr 2006 4:20 am

Tgt Ion:184 Resp: 48

Ion	Ratio	Lower	Upper
184	100		
154	412.5	32.0	48.0#



analytics environmental laboratory LLC

SEMI-VOLATILE
QC FORMS

analytics environmental laboratory LLC

SEMI-VOLATILE ORGANIC SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Project #: Quote #: NA SDG#: 56346

DFTPP File ID: D47088T.D Site ID: Subbase New London Site 7Location: CT

Instrument ID: D DFTPP Injection Date: 4/26/06

GC Column: RTX-5MS ID: 0.25(mm) DFTPP Injection Time: 1134

	SAMPLE ID	SMC1 #	SMC 2 #	SMC 3 #	SMC 4 #	SMC 5 #	SMC 6 #	TOT OUT
01	S6761 PT3 20/40	NA	NA	NA	NA	NA	NA	0
02	S6745 PT1 2/4	NA	NA	NA	NA	NA	NA	0
03	S6744 PT2A 4/8	NA	NA	NA	NA	NA	NA	0
04	S6743 PT2 10/20	NA	NA	NA	NA	NA	NA	0
05	S6761 PT3 20/40	55	66	81	82	55	81	0
06	S6741 PT4A 40/80	NA	NA	NA	NA	NA	NA	0
07	S6740 PT4 50/100	NA	NA	NA	NA	NA	NA	0
08	S6740 PT5 100/200	NA	NA	NA	NA	NA	NA	0
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								

	QC LIMITS
SMC1 = 2-Fluorophenol	29-97 %
SMC2 = d5-Phenol	40-120 %
SMC3 = d5-Nitrobenzene	20-101%
SMC4 = 2-Fluorobiphenyl	34-102 %
SMC5 = 2,4,6-Tribromophenol	36-141 %
SMC6 = d14-p-Terphenyl	38-108%

\# Column to be used to flag recovery values

* Values outside of protocol required QC limits

D System Monitoring Compound diluted out

SEMI-VOLATILE ORGANIC SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Project #: Quote #: NA SDG#: 56346

DFTPP File ID: D47097T.D Site ID: Subbase New London Site 7Location: CT

Instrument ID: D DFTPP Injection Date: 4/26/06

GC Column: RTX-5MS ID: 0.25(mm) DFTPP Injection Time: 2134

	SAMPLE ID	SMC1 #	SMC 2 #	SMC 3 #	SMC 4 #	SMC 5 #	SMC 6 #	TOT OUT
01	S6761 PT3 20/40	55	55	84	82	55	82	0
02	S6776 ABN CC 20/40	55	43	77	86	55	78	0
03	S6777 BENZIDINES + ANILINES	NA	NA	NA	NA	NA	NA	0
04	B04266AS-2	65	71	71	79	81	80	0
05	L04266AS-2	66	75	72	82	89	84	0
06	LD04266AS-2	62	70	67	79	86	85	0
07	56346-2	68	73	75	71	82	74	0
08	56346-5	72	78	77	81	89	87	0
09	56346-6	72	78	78	85	88	84	0
10	56346-4	68	76	73	81	87	87	0
11	56346-7	67	75	74	84	89	84	0
12	56346-3	67	73	72	82	87	84	0
13	56346-3,MS	65	73	72	78	85	79	0
14	56346-3,MSD	69	78	73	82	90	79	0
15	ZZZZZ	79	84	87	93	96	81	0
16	ZZZZZ	71	77	77	87	95	85	0
17	ZZZZZ	71	79	76	81	94	73	0
18	ZZZZZ	66	74	75	74	81	84	0
19	ZZZZZ	55	63	69	78	82	115 *	1
20								
21								
22								
23								
24								
25								
26								

	QC LIMITS
SMC1 = 2-Fluorophenol	29-97 %
SMC2 = d5-Phenol	40-120 %
SMC3 = d5-Nitrobenzene	20-101%
SMC4 = 2-Fluorobiphenyl	34-102 %
SMC5 = 2,4,6-Tribromophenol	36-141 %
SMC6 = d14-p-Terphenyl	38-108%

\# Column to be used to flag recovery values

* Values outside of protocol required QC limits

D System Monitoring Compound diluted out

analytics environmental laboratory LLC

SEMI-VOLATILE ORGANIC SOLID
LABORATORY CONTROL SPIKE/ DUPLICATE
PERCENT RECOVERY

Project #: SDG# 56346

DFTPP File ID: D47097T.D Site ID: Subbase New London Site 7 Location: CT

Instrument ID: D DFTPP Injection Date: 4/26/06

GC Column: RTX-5MS ID: 0.25(mm) DFTPP Injection Time: 2134

Laboratory Control Spike/Duplicate Sample ID: L04266AS-2/LD04266AS-2

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE AMT (ug/kg)	LCS CONC. (ug/kg)	LCS REC %	#	LCSD CONC. (ug/kg)	LCSD REC %	#	RPD	#	QC LIMITS RPD	
Acenaphthene	1333	U	1036	78		1018	76		2		19	55-96
Acenaphthylene	1333	U	1090	82		1047	79		4		25	54-97
Anthracene	1333	U	1131	85		1143	86		1		25	60-107
Benzo[a]anthracene	1333	U	1155	87		1168	88		1		25	59-110
Benzo[a] pyrene	1333	U	1201	90		1178	88		2		25	62-111
Benzo[b] fluoranthene	1333	U	1162	87		1137	85		2		25	57-114
Benzo(g,h,i) perylene	1333	U	1305	98		1225	92		6		25	61-122
Benzo[k] fluoranthene	1333	U	1218	91		1154	87		5		25	58-111
Chrysene	1333	U	1174	88		1157	87		1		25	60-109
Dibenz [a,h] anthracene	1333	U	1260	94		1218	91		3		25	69-122
Fluoranthene	1333	U	1169	88		1104	83		6		25	65-114
Fluorene	1333	U	1112	83		1103	83		1		25	60-101
Indeno [1,2,3-cd] pyrene	1333	U	1178	88		1209	91		3		25	62-123
2-Methylnaphthalene	1333	U	1036	78		983	74		5		25	60-120
Naphthalene	1333	U	966	72		914	69		5		25	42-95
Phenanthrene	1333	U	1098	82		1073	80		2		47	59-103
Pyrene	1333	U	1146	86		1138	85		1		35	52-110

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 17 outside limits
Spike Recovery: 0 out of 34 outside limits
Comments: _____

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47102Q.D Vial: 12
Acq On : 27 Apr 2006 12:34 am Operator:
Sample : L04266AS-2 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 27 8:25 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4-27-06 SL 4.27.06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.80	152	608426	40.00	ug/ml	0.00
19) d8-Naphthalene	8.74	136	2231859	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.03	164	1024269	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.60	188	1748005	40.00	ug/ml	0.00
71) d12-Chrysene	23.06	240	1343795	40.00	ug/ml	0.00
79) d12-Perylene	27.09	264	1232204	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.52	112	1040222	49.43	ug/ml	0.00
Spiked Amount 75.000	Range 29 - 97		Recovery = 65.91%			
5) d5-Phenol	5.42	99	1502432	55.89	ug/ml	-0.01
Spiked Amount 75.000	Range 40 - 120		Recovery = 74.52%			
20) d5-nitrobenzene	7.14	82	909340	35.85	ug/ml	0.00
Spiked Amount 50.000	Range 20 - 101		Recovery = 71.70%			
39) 2-Fluorobiphenyl	11.43	172	1342026	40.85	ug/ml	0.00
Spiked Amount 50.000	Range 34 - 102		Recovery = 81.70%			
60) 2,4,6-Tribromophenol	15.02	330	407806	66.42	ug/ml	0.00
Spiked Amount 75.000	Range 36 - 141		Recovery = 88.56%			
73) d14-p-terphenyl	20.56	244	1249274	41.88	ug/ml	0.00
Spiked Amount 50.000	Range 38 - 108		Recovery = 83.76%			
Target Compounds						Qvalue
2) Pyridine	1.54	79	630655	17.75	ug/ml	96
3) N-nitrosodimethylamine	1.52	42	500831	23.87	ug/ml	96
6) Aniline	5.23	93	931605	29.54	ug/ml	98
7) Phenol	5.47	94	831242	29.90	ug/ml#	36
8) 2-Chlorophenol	5.53	128	634549	28.62	ug/ml	88
9) bis(2-chloroethyl) ether	5.34	93	698876	29.53	ug/ml	98
10) 1,3-Dichlorobenzene	5.72	146	615320	26.23	ug/ml	100
11) 1,4-Dichlorobenzene	5.84	146	640582	26.96	ug/ml	99
12) 1,2-Dichlorobenzene	6.25	146	601047	27.12	ug/ml	98
13) Benzyl Alcohol	6.23	108	402150	32.94	ug/ml	98
14) 2-Methylphenol	6.70	108	568035	31.13	ug/ml	98
15) bis(2-chloroisopropyl)ethe	6.53	45	1266168	28.78	ug/ml	100
16) 3+4-Methylphenol	7.04	108	616237	32.10	ug/ml	97
17) Hexachloroethane	6.92	117	264337	28.21	ug/ml	99
18) N-nitroso-di-n-propylamine	6.86	70	594146	32.95	ug/ml	98
21) Nitrobenzene	7.18	123	348395	29.16	ug/ml	94
22) Isophorone	7.71	82	1569976	36.24	ug/ml	98
23) 2-Nitrophenol	7.92	139	386282	29.21	ug/ml	100
24) 2,4-Dimethylphenol	8.20	107	572672	29.74	ug/ml	99
25) Bis(2-chloroethoxy)methane	8.29	93	777723	29.92	ug/ml	98

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042606-D\D47102Q.D Vial: 12
Acq On : 27 Apr 2006 12:34 am Operator:
Sample : L04266AS-2 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 27 8:25 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 2,4-Dichlorophenol	8.65	162	470083	30.62 ug/ml	100
27) Benzoic Acid	8.65	105	227094m	20.04 ug/ml	
28) 1,2,4-Trichlorobenzene	8.65	180	456557	28.86 ug/ml	97
29) Naphthalene	8.78	128	1654888	28.97 ug/ml	100
31) 4-Chloroaniline	9.04	127	778527	30.66 ug/ml	97
32) Hexachlorobutadiene	9.23	225	278113	28.62 ug/ml	99
33) 4-Chloro-3-methylphenol	10.49	107	522551	32.51 ug/ml	92
34) 2-Methylnaphthalene	10.45	141	1021287	31.09 ug/ml	98
36) Hexachlorocyclopentadiene	11.00	237	244196	36.97 ug/ml	97
37) 2,4,6-Trichlorophenol	11.33	196	332650	33.26 ug/ml	96
38) 2,4,5-Trichlorophenol	11.59	196	362377	34.32 ug/ml	97
40) 2-Chloronaphthalene	11.63	162	962347	30.57 ug/ml	98
41) 2-Nitroaniline	12.06	138	487565	33.35 ug/ml	99
42) 2,6-Dinitrotoluene	12.75	165	317674	34.74 ug/ml	100
43) Dimethyl Phthalate	12.58	163	1249262	34.39 ug/ml	99
44) Acenaphthylene	12.65	152	1652018	32.71 ug/ml	99
45) 3-Nitroaniline	13.09	138	396755	34.70 ug/ml	99
46) Acenaphthene	13.11	154	917234	31.08 ug/ml	99
47) 2,4-dinitrophenol	13.34	184	139647	30.23 ug/ml	95
48) Dibenzofuran	13.50	168	1348241	32.29 ug/ml	100
49) 4-Nitrophenol	14.06	109	136755	32.16 ug/ml	97
50) 2,4-Dinitrotoluene	13.69	165	416521	35.81 ug/ml	96
52) Fluorene	14.34	166	1100943	33.36 ug/ml	99
53) Diethyl Phthalate	14.31	149	1366897	36.74 ug/ml	100
54) 4-Chlorophenyl phenyl eth	14.38	204	543273	33.18 ug/ml	96
55) 4-Nitroaniline	14.62	138	401686	37.82 ug/ml	99
56) 4,6-Dinitro-2-methylphenol	14.69	198	235857	32.79 ug/ml	94
57) n-nitrosodiphenylamine	14.72	169	811652	36.40 ug/ml	94
58) Azobenzene	14.75	77	1712331	32.27 ug/ml	97
59) Biphenyl	11.63	154	1248994	30.98 ug/ml	100
62) 4-bromophenyl phenyl ether	15.55	248	322981	31.54 ug/ml	96
63) Hexachlorobenzene	15.87	284	395829	34.48 ug/ml	97
64) Pentachlorophenol	16.42	266	157267	26.06 ug/ml	100
65) Phenanthrene	16.66	178	1521532	32.96 ug/ml	100
66) Anthracene	16.76	178	1524987	33.93 ug/ml	98
67) Carbazole	17.26	167	2875380	66.50 ug/ml	100
68) Di-n-butyl phthalate	18.26	149	2239036	35.47 ug/ml	100
69) Fluoranthene	19.55	202	1648148	35.07 ug/ml	98
70) Benzidine	19.97	184	727109	63.42 ug/ml	95
72) Pyrene	20.09	202	1590632	34.39 ug/ml	97
74) Butyl benzyl phthalate	21.87	149	910651	34.82 ug/ml	99

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042606-D\D47102Q.D Vial: 12
Acq On : 27 Apr 2006 12:34 am Operator:
Sample : L04266AS-2 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 27 8:25 2006 Quant Results File: S04266.RES

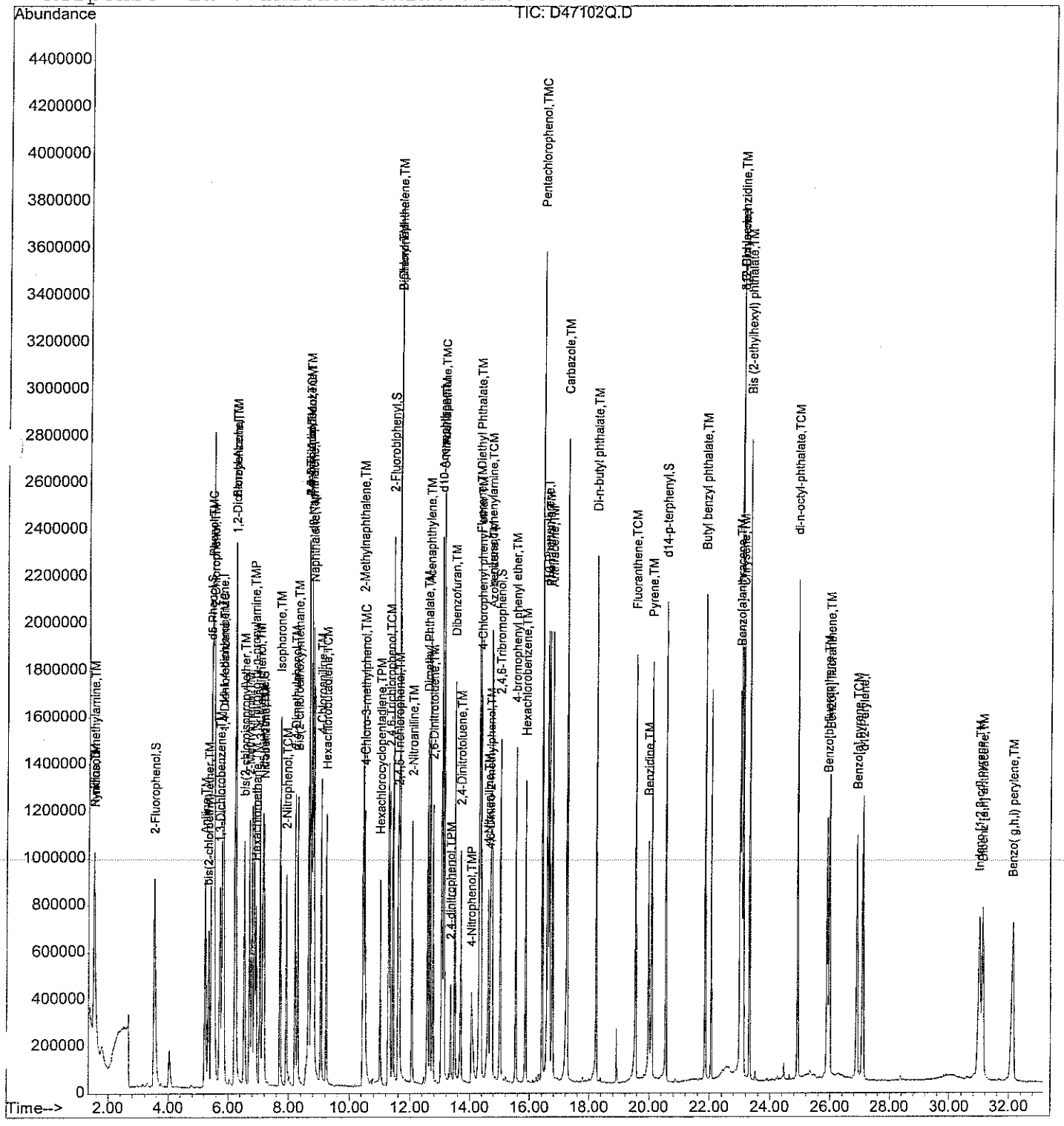
Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
75) Benzo[a]anthracene	23.01	228	1402569	34.64	ug/ml	99
76) Chrysene	23.12	228	1268650	35.21	ug/ml	99
77) 3,3'-Dichlorobenzidine	23.07	252	1030946	73.72	ug/ml	99
78) Bis (2-ethylhexyl) phthala	23.32	149	1314186	36.68	ug/ml	99
80) di-n-octyl-phthalate	24.93	149	2128228	36.62	ug/ml	100
81) Benzo[b] fluoranthene	25.91	252	1325441	34.86	ug/ml	100
82) Benzo[k] fluoranthene	25.99	252	1243861	36.54	ug/ml	99
83) Benzo[a] pyrene	26.90	252	1208692	36.03	ug/ml	99
84) Indeno [1,2,3-cd] pyrene	31.01	276	1129194	35.35	ug/ml	96
85) Dibenz [a,h] anthracene	31.13	278	1120436	37.79	ug/ml	98
86) Benzo(g,h,i) perylene	32.15	276	1218038	39.14	ug/ml	100

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042606-D\D47102Q.D Vial: 12
Acq On : 27 Apr 2006 12:34 am Operator:
Sample : L04266AS-2 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 8:25 2006 Quant Results File: S04266.RES

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration

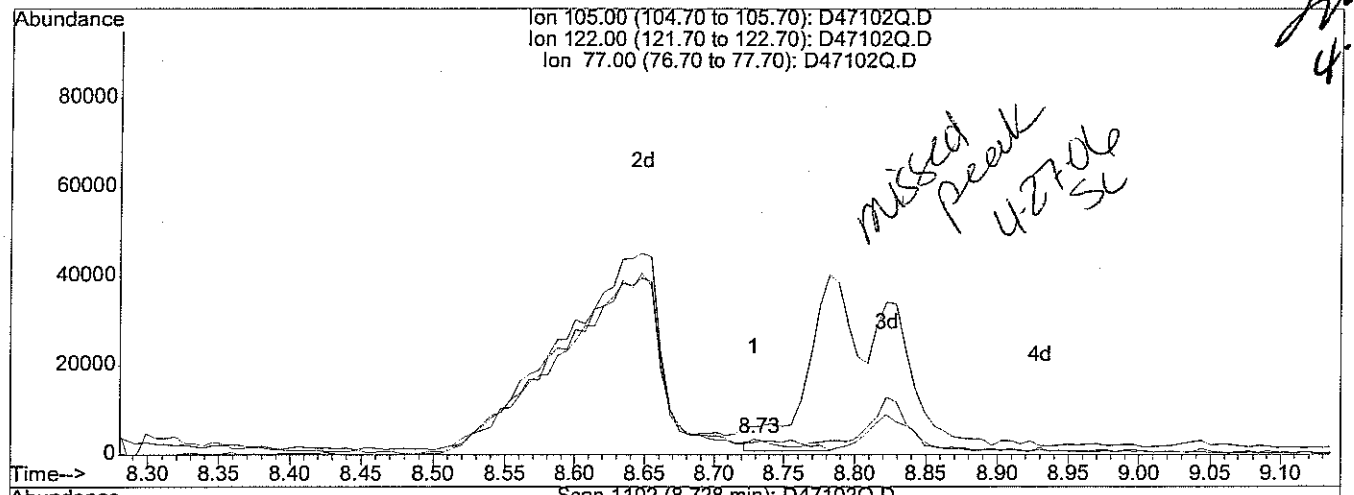


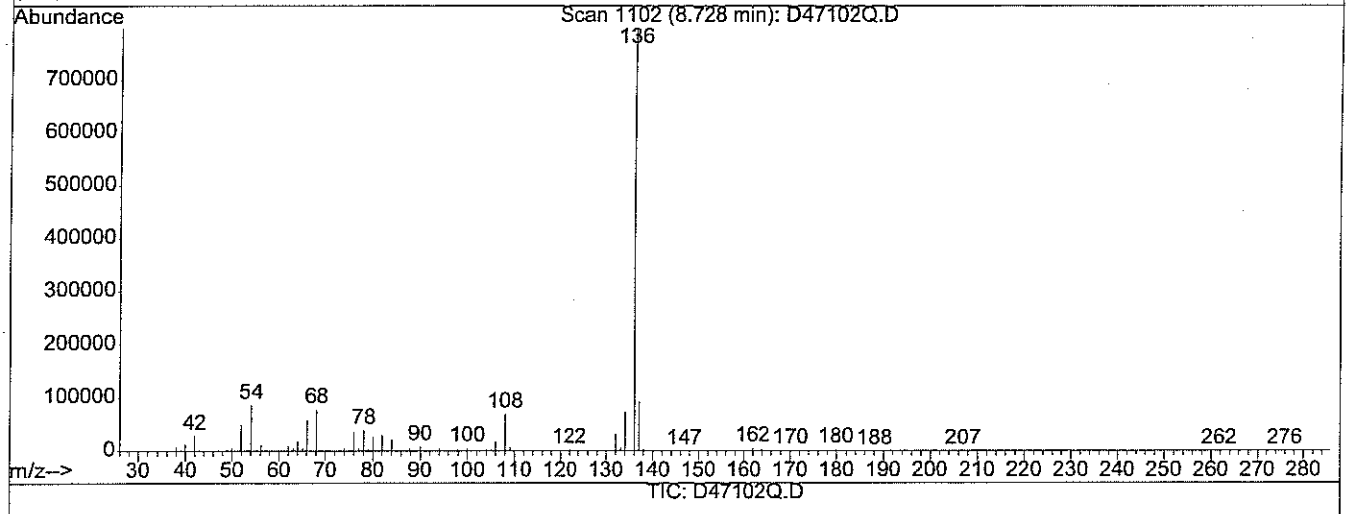
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47102Q.D Vial: 12
Acq On : 27 Apr 2006 12:34 am Operator:
Sample : L04266AS-2 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 8:18 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Multiple Level Calibration

4-27-06





(27) Benzoic Acid (TM)

8.73min 3.28ug/ml

response 6116

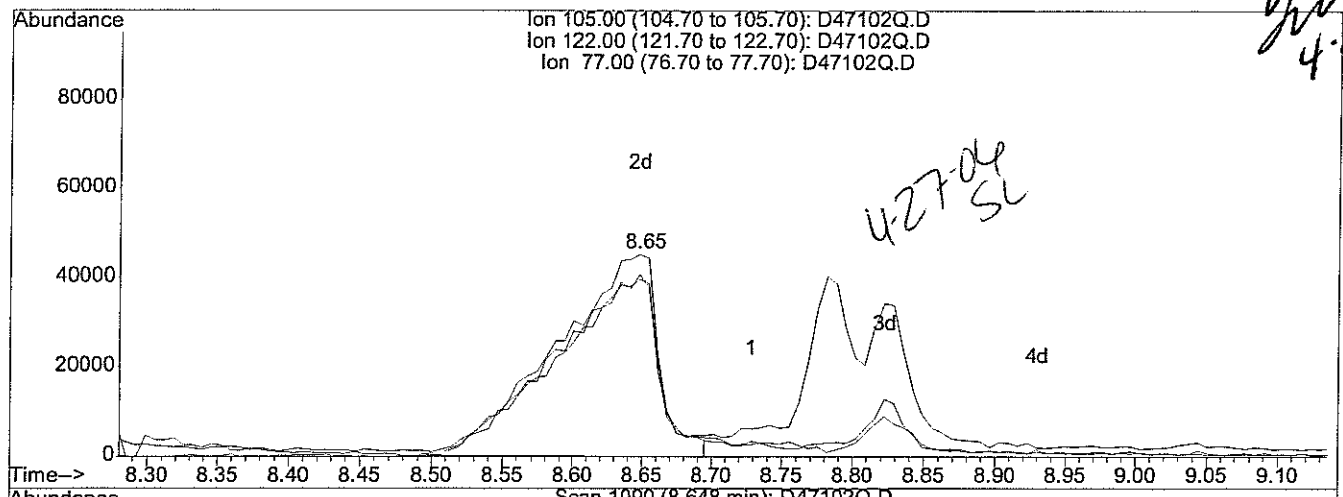
Ion	Exp%	Act%
105.00	100	100
122.00	84.40	0.00#
77.00	88.30	1529.86#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47102Q.D Vial: 12
Acq On : 27 Apr 2006 12:34 am Operator:
Sample : L04266AS-2 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 8:25 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Multiple Level Calibration

4-27-06



(27) Benzoic Acid (TM)

8.65min 20.04ug/ml m

response 227094

Ion	Exp%	Act%
105.00	100	100
122.00	84.40	0.00#
77.00	88.30	41.20#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47103Q.D Vial: 13
Acq On : 27 Apr 2006 1:07 am Operator:
Sample : LD04266AS-2 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 27 8:18 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4-27-06 SL

4-27-06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.80	152	648138	40.00	ug/ml	0.00
19) d8-Naphthalene	8.74	136	2366865	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.03	164	1078290	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.60	188	1840488	40.00	ug/ml	0.00
71) d12-Chrysene	23.06	240	1359935	40.00	ug/ml	0.00
79) d12-Perylene	27.09	264	1258406	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.52	112	1045043	46.62	ug/ml	0.00
Spiked Amount 75.000	Range 29 - 97		Recovery = 62.16%			
5) d5-Phenol	5.42	99	1512105	52.80	ug/ml	0.00
Spiked Amount 75.000	Range 40 - 120		Recovery = 70.40%			
20) d5-nitrobenzene	7.13	82	902081	33.54	ug/ml	0.00
Spiked Amount 50.000	Range 20 - 101		Recovery = 67.08%			
39) 2-Fluorobiphenyl	11.43	172	1361993	39.38	ug/ml	0.00
Spiked Amount 50.000	Range 34 - 102		Recovery = 78.76%			
60) 2,4,6-Tribromophenol	15.02	330	415319	64.26	ug/ml	0.00
Spiked Amount 75.000	Range 36 - 141		Recovery = 85.68%			
73) d14-p-terphenyl	20.55	244	1278977	42.37	ug/ml	0.00
Spiked Amount 50.000	Range 38 - 108		Recovery = 84.74%			
Target Compounds						Qvalue
2) Pyridine	1.53	79	652805	17.25	ug/ml	99
3) N-nitrosodimethylamine	1.51	42	485200	21.71	ug/ml	92
6) Aniline	5.23	93	938835	27.95	ug/ml	98
7) Phenol	5.46	94	825516	27.88	ug/ml#	58
8) 2-Chlorophenol	5.52	128	642610	27.21	ug/ml	86
9) bis(2-chloroethyl) ether	5.34	93	686994	27.25	ug/ml	100
10) 1,3-Dichlorobenzene	5.72	146	632837	25.33	ug/ml	98
11) 1,4-Dichlorobenzene	5.83	146	650560	25.70	ug/ml	98
12) 1,2-Dichlorobenzene	6.25	146	626624	26.54	ug/ml	99
13) Benzyl Alcohol	6.23	108	401670	30.89	ug/ml	97
14) 2-Methylphenol	6.69	108	566229	29.13	ug/ml	98
15) bis(2-chloroisopropyl)ethe	6.53	45	1280296	27.32	ug/ml	99
16) 3+4-Methylphenol	7.04	108	618305	30.24	ug/ml	99
17) Hexachloroethane	6.91	117	264898	26.53	ug/ml	97
18) N-nitroso-di-n-propylamine	6.86	70	589355	30.68	ug/ml	98
21) Nitrobenzene	7.18	123	353099	27.87	ug/ml	96
22) Isophorone	7.71	82	1551299	33.77	ug/ml	99
23) 2-Nitrophenol	7.92	139	395450	28.19	ug/ml	100
24) 2,4-Dimethylphenol	8.19	107	557227	27.29	ug/ml	99
25) Bis(2-chloroethoxy)methane	8.29	93	780560	28.32	ug/ml	99

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042606-D\D47103Q.D Vial: 13
Acq On : 27 Apr 2006 1:07 am Operator:
Sample : LD04266AS-2 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 27 8:18 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration
DataAcq Meth : ABN

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
26)	2,4-Dichlorophenol	8.65	162	472589	29.03	ug/ml	100
27)	Benzoic Acid	8.64	105	221620	18.67	ug/ml	96
28)	1,2,4-Trichlorobenzene	8.65	180	466562	27.81	ug/ml	97
29)	Naphthalene	8.79	128	1662068	27.43	ug/ml	100
31)	4-Chloroaniline	9.04	127	766292	28.46	ug/ml	99
32)	Hexachlorobutadiene	9.23	225	284840	27.64	ug/ml	100
33)	4-Chloro-3-methylphenol	10.49	107	529526	31.07	ug/ml	98
34)	2-Methylnaphthalene	10.45	141	1027442	29.50	ug/ml	96
36)	Hexachlorocyclopentadiene	11.01	237	243945	35.23	ug/ml	98
37)	2,4,6-Trichlorophenol	11.33	196	339824	32.28	ug/ml	97
38)	2,4,5-Trichlorophenol	11.59	196	360645	32.45	ug/ml	99
40)	2-Chloronaphthalene	11.63	162	965444	29.14	ug/ml	99
41)	2-Nitroaniline	12.06	138	519893	33.78	ug/ml	99
42)	2,6-Dinitrotoluene	12.75	165	323383	33.59	ug/ml	99
43)	Dimethyl Phthalate	12.58	163	1259935	32.95	ug/ml	99
44)	Acenaphthylene	12.65	152	1670720	31.42	ug/ml	100
45)	3-Nitroaniline	13.09	138	412635	34.28	ug/ml	98
46)	Acenaphthene	13.11	154	948595	30.53	ug/ml	98
47)	2,4-dinitrophenol	13.34	184	137612	28.62	ug/ml	91
48)	Dibenzofuran	13.50	168	1388535	31.59	ug/ml	99
49)	4-Nitrophenol	14.06	109	139595	31.18	ug/ml	92
50)	2,4-Dinitrotoluene	13.69	165	441547	36.06	ug/ml	95
52)	Fluorene	14.33	166	1149908	33.10	ug/ml	99
53)	Diethyl Phthalate	14.31	149	1411283	36.03	ug/ml	99
54)	4-Chlorophenyl phenyl eth	14.37	204	579248	33.60	ug/ml	95
55)	4-Nitroaniline	14.62	138	419782	37.54	ug/ml	99
56)	4,6-Dinitro-2-methylphenol	14.69	198	248020	32.75	ug/ml	89
57)	n-nitrosodiphenylamine	14.72	169	837678	35.69	ug/ml	96
58)	Azobenzene	14.76	77	1745230	31.24	ug/ml	96
59)	Biphenyl	11.63	154	1245766	29.35	ug/ml	100
62)	4-bromophenyl phenyl ether	15.55	248	332770	30.86	ug/ml	94
63)	Hexachlorobenzene	15.87	284	405665	33.56	ug/ml	97
64)	Pentachlorophenol	16.41	266	166299	26.16	ug/ml	99
65)	Phenanthrene	16.66	178	1565116	32.20	ug/ml	100
66)	Anthracene	16.76	178	1622566	34.28	ug/ml	99
67)	Carbazole	17.26	167	3003646	65.98	ug/ml	99
68)	Di-n-butyl phthalate	18.26	149	2251843	33.88	ug/ml	100
69)	Fluoranthene	19.56	202	1639185	33.13	ug/ml	98
70)	Benzidine	19.97	184	547199	45.33	ug/ml	97
72)	Pyrene	20.09	202	1598347	34.14	ug/ml	97
74)	Butyl benzyl phthalate	21.87	149	910492	34.40	ug/ml	100

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042606-D\D47103Q.D Vial: 13
Acq On : 27 Apr 2006 1:07 am Operator:
Sample : LD04266AS-2 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 27 8:18 2006 Quant Results File: S04266.RES

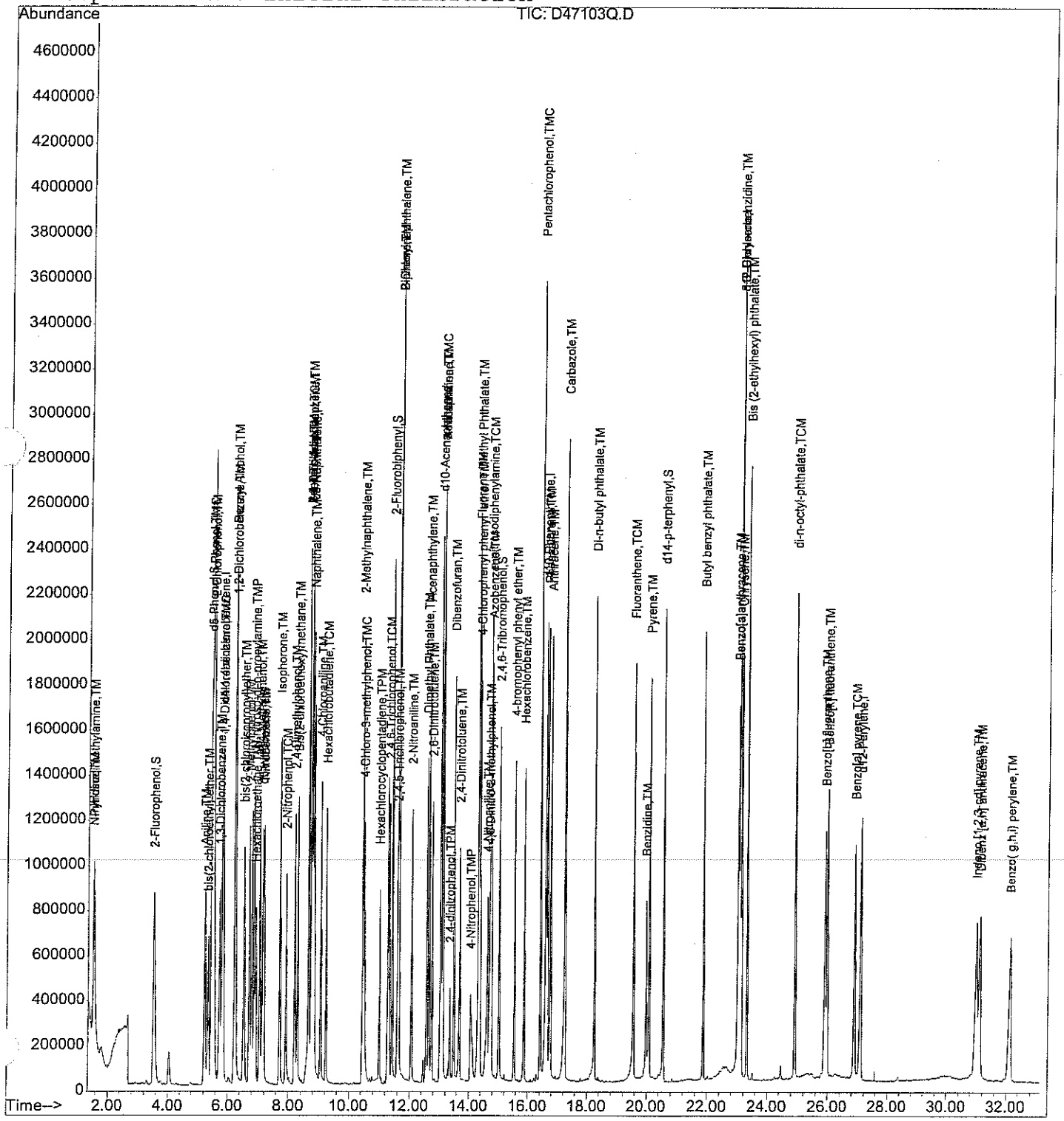
Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
75) Benzo[a]anthracene	23.01	228	1435519	35.04	ug/ml	99
76) Chrysene	23.12	228	1265309	34.70	ug/ml	99
77) 3,3'-Dichlorobenzidine	23.07	252	1042079	73.63	ug/ml	100
78) Bis (2-ethylhexyl) phthala	23.32	149	1310154	36.13	ug/ml	99
80) di-n-octyl-phthalate	24.92	149	2119017	35.70	ug/ml	100
81) Benzo[b] fluoranthene	25.91	252	1324711	34.12	ug/ml	100
82) Benzo[k] fluoranthene	25.98	252	1203366	34.61	ug/ml	99
83) Benzo[a] pyrene	26.90	252	1210972	35.35	ug/ml	100
84) Indeno [1,2,3-cd] pyrene	31.01	276	1183402	36.27	ug/ml	96
85) Dibenz [a,h] anthracene	31.12	278	1106208	36.53	ug/ml	98
86) Benzo(g,h,i) perylene	32.15	276	1168103	36.75	ug/ml	99

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042606-D\D47103Q.D Vial: 13
Acq On : 27 Apr 2006 1:07 am Operator:
Sample : LD04266AS-2 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 8:18 2006 Quant Results File: S04266.RES

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration



analytics environmental laboratory LLC

SEMI-VOLATILE ORGANIC SOIL
MATRIX SPIKE/ DUPLICATE
PERCENT RECOVERY

Project #: SDG#: 56346

DFTPP File ID: D47097T.D Site ID: Subbase New London Site 7 Location: CT

Instrument ID: D DFTPP Injection Date: 4/26/06

GC Column: RTX-5MS ID: 0.25(mm) DFTPP Injection Time: 2134

Matrix Spike/Duplicate Sample ID: 56346-3

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE AMT (ug/kg)		MS CONC. (ug/kg)	MS REC %	#	SPIKE ADDED (ug/kg)	MSD CONC. (ug/kg)	MSD REC %	#	RPD	#	QC LIMITS RPD	
Acenaphthene	1426	U		1113	78		1448	1174	81		5		19	55-96
Acenaphthylene	1426	U		1131	79		1448	1231	85		9		25	54-97
Anthracene	1426	U		1252	88		1448	1312	91		5		25	60-107
Benzo[a]anthracene	1426	U		1231	86		1448	1268	88		3		25	59-110
Benzo[a] pyrene	1426	U		1318	92		1448	1343	93		2		25	62-111
Benzo[b] fluoranthene	1426	U		1265	89		1448	1356	94		7		25	57-114
Benzo(g,h,i) perylene	1426	U		832	58	*	1448	742	51	*	11		25	61-122
Benzo[k] fluoranthene	1426	U		1376	96		1448	1438	99		4		25	58-111
Chrysene	1426	U		1283	90		1448	1310	90		2		25	60-109
Dibenz [a,h] anthracene	1426	U		1030	72		1448	1011	70		2		25	69-122
Fluoranthene	1426	U		1275	89		1448	1342	93		5		25	65-114
Fluorene	1426	U		1147	80		1448	1229	85		7		25	60-101
Indeno [1,2,3-cd] pyrene	1426	U		917	64		1448	892	62		3		25	62-123
2-Methylnaphthalene	1426	U		1122	79		1448	1154	80		3		25	60-120
Naphthalene	1426	U		1019	71		1448	1079	75		6		25	42-95
Phenanthrene	1426	U		1180	83		1448	1244	86		5		25	59-103
Pyrene	1426	U		1144	80		1448	1131	78		1		36	52-110

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits
RPD: 0 out of 17 outside limits
Spike Recovery: 2 out of 34 outside limits

Comments: _____

Data File : D:\HPCHEM\1\DATA\042606-D\D47110SP.D Vial: 20
Acq On : 27 Apr 2006 5:26 am Operator:
Sample : 56346-3,MS Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 27 8:19 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4-27-06 SL

4-28-06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.80	152	626581	40.00	ug/ml	0.00
19) d8-Naphthalene	8.73	136	2247820	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.03	164	1045628	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.60	188	1768197	40.00	ug/ml	0.00
71) d12-Chrysene	23.06	240	1484860	40.00	ug/ml	0.00
79) d12-Perylene	27.09	264	1300053	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.51	112	1053450	48.61	ug/ml	-0.02
Spiked Amount 75.000	Range 29 - 97		Recovery = 64.81%			
5) d5-Phenol	5.41	99	1515030	54.73	ug/ml	-0.02
Spiked Amount 75.000	Range 40 - 120		Recovery = 72.97%			
20) d5-nitrobenzene	7.13	82	913966	35.78	ug/ml	0.00
Spiked Amount 50.000	Range 20 - 101		Recovery = 71.56%			
39) 2-Fluorobiphenyl	11.43	172	1302251	38.83	ug/ml	0.00
Spiked Amount 50.000	Range 34 - 102		Recovery = 77.66%			
60) 2,4,6-Tribromophenol	15.02	330	398797	63.63	ug/ml	0.00
Spiked Amount 75.000	Range 36 - 141		Recovery = 84.84%			
73) d14-p-terphenyl	20.56	244	1305469	39.61	ug/ml	0.00
Spiked Amount 50.000	Range 38 - 108		Recovery = 79.22%			
Target Compounds						Qvalue
2) Pyridine	1.53	79	818754	22.38	ug/ml	98
3) N-nitrosodimethylamine	1.51	42	503170	23.29	ug/ml	95
6) Aniline	5.22	93	995069	30.64	ug/ml	99
7) Phenol	5.46	94	843113	29.45	ug/ml#	62
8) 2-Chlorophenol	5.52	128	643735	28.19	ug/ml	87
9) bis(2-chloroethyl) ether	5.33	93	683000	28.02	ug/ml	98
10) 1,3-Dichlorobenzene	5.72	146	637471	26.39	ug/ml	100
11) 1,4-Dichlorobenzene	5.83	146	634081	25.91	ug/ml	99
12) 1,2-Dichlorobenzene	6.25	146	605930	26.55	ug/ml	98
13) Benzyl Alcohol	6.23	108	380119	30.24	ug/ml	95
14) 2-Methylphenol	6.69	108	572829	30.48	ug/ml	99
15) bis(2-chloroisopropyl)ethe	6.52	45	1279887	28.25	ug/ml	100
16) 3+4-Methylphenol	7.03	108	610735	30.90	ug/ml	99
17) Hexachloroethane	6.91	117	267531	27.72	ug/ml	99
18) N-nitroso-di-n-propylamine	6.86	70	582374	31.36	ug/ml	100
21) Nitrobenzene	7.17	123	346291	28.78	ug/ml	97
22) Isophorone	7.70	82	1486401	34.07	ug/ml	99
23) 2-Nitrophenol	7.92	139	388690	29.18	ug/ml	100
24) 2,4-Dimethylphenol	8.19	107	574505	29.62	ug/ml	99
25) Bis(2-chloroethoxy)methane	8.29	93	770721	29.44	ug/ml	99

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042606-D\D47110SP.D Vial: 20
Acq On : 27 Apr 2006 5:26 am Operator:
Sample : 56346-3,MS Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 27 8:19 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 2,4-Dichlorophenol	8.65	162	482746	31.23 ug/ml	99
27) Benzoic Acid	8.64	105	215491	19.05 ug/ml	99
28) 1,2,4-Trichlorobenzene	8.65	180	453251	28.45 ug/ml	98
29) Naphthalene	8.78	128	1644005	28.57 ug/ml	100
31) 4-Chloroaniline	9.04	127	776400	30.36 ug/ml	98
32) Hexachlorobutadiene	9.22	225	274896	28.09 ug/ml	99
33) 4-Chloro-3-methylphenol	10.49	107	537078	33.18 ug/ml	98
34) 2-Methylnaphthalene	10.45	141	1040866	31.47 ug/ml	97
36) Hexachlorocyclopentadiene	11.00	237	203200	30.67 ug/ml	98
37) 2,4,6-Trichlorophenol	11.32	196	326161	31.95 ug/ml	97
38) 2,4,5-Trichlorophenol	11.59	196	369099	34.24 ug/ml	98
40) 2-Chloronaphthalene	11.63	162	965113	30.04 ug/ml	99
41) 2-Nitroaniline	12.06	138	514405	34.47 ug/ml	99
42) 2,6-Dinitrotoluene	12.75	165	310054	33.22 ug/ml	100
43) Dimethyl Phthalate	12.57	163	1201813	32.41 ug/ml	99
44) Acenaphthylene	12.65	152	1634987	31.71 ug/ml	100
45) 3-Nitroaniline	13.09	138	408359	34.99 ug/ml	98
46) Acenaphthene	13.10	154	940359	31.21 ug/ml	99
47) 2,4-dinitrophenol	13.34	184	117941	25.88 ug/ml	97
48) Dibenzofuran	13.49	168	1356027	31.81 ug/ml	100
49) 4-Nitrophenol	14.05	109	132480	30.52 ug/ml	97
50) 2,4-Dinitrotoluene	13.69	165	401811	33.84 ug/ml	100
52) Fluorene	14.33	166	1083423	32.16 ug/ml	100
53) Diethyl Phthalate	14.31	149	1338457	35.24 ug/ml	100
54) 4-Chlorophenyl phenyl eth	14.37	204	544492	32.57 ug/ml	99
55) 4-Nitroaniline	14.62	138	415617	38.33 ug/ml	99
56) 4,6-Dinitro-2-methylphenol	14.69	198	224251	30.60 ug/ml	98
57) n-nitrosodiphenylamine	14.72	169	824624	36.23 ug/ml	96
58) Azobenzene	14.75	77	1763555	32.56 ug/ml	98
59) Biphenyl	11.63	154	1229713	29.88 ug/ml	98
62) 4-bromophenyl phenyl ether	15.55	248	325606	31.43 ug/ml	96
63) Hexachlorobenzene	15.87	284	389226	33.51 ug/ml	99
64) Pentachlorophenol	16.41	266	163846	26.74 ug/ml	96
65) Phenanthrene	16.65	178	1546239	33.11 ug/ml	100
66) Anthracene	16.76	178	1596125	35.10 ug/ml	99
67) Carbazole	17.26	167	2909872	66.53 ug/ml	99
68) Di-n-butyl phthalate	18.26	149	2334118	36.55 ug/ml	100
69) Fluoranthene	19.55	202	1700421	35.77 ug/ml	100
70) Benzidine	19.98	184	1083572	93.43 ug/ml	97
72) Pyrene	20.09	202	1640529	32.10 ug/ml	99
74) Butyl benzyl phthalate	21.87	149	948267	32.82 ug/ml	100

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042606-D\D47110SP.D Vial: 20
Acq On : 27 Apr 2006 5:26 am Operator:
Sample : 56346-3,MS Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 27 8:19 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration
DataAcq Meth : ABN

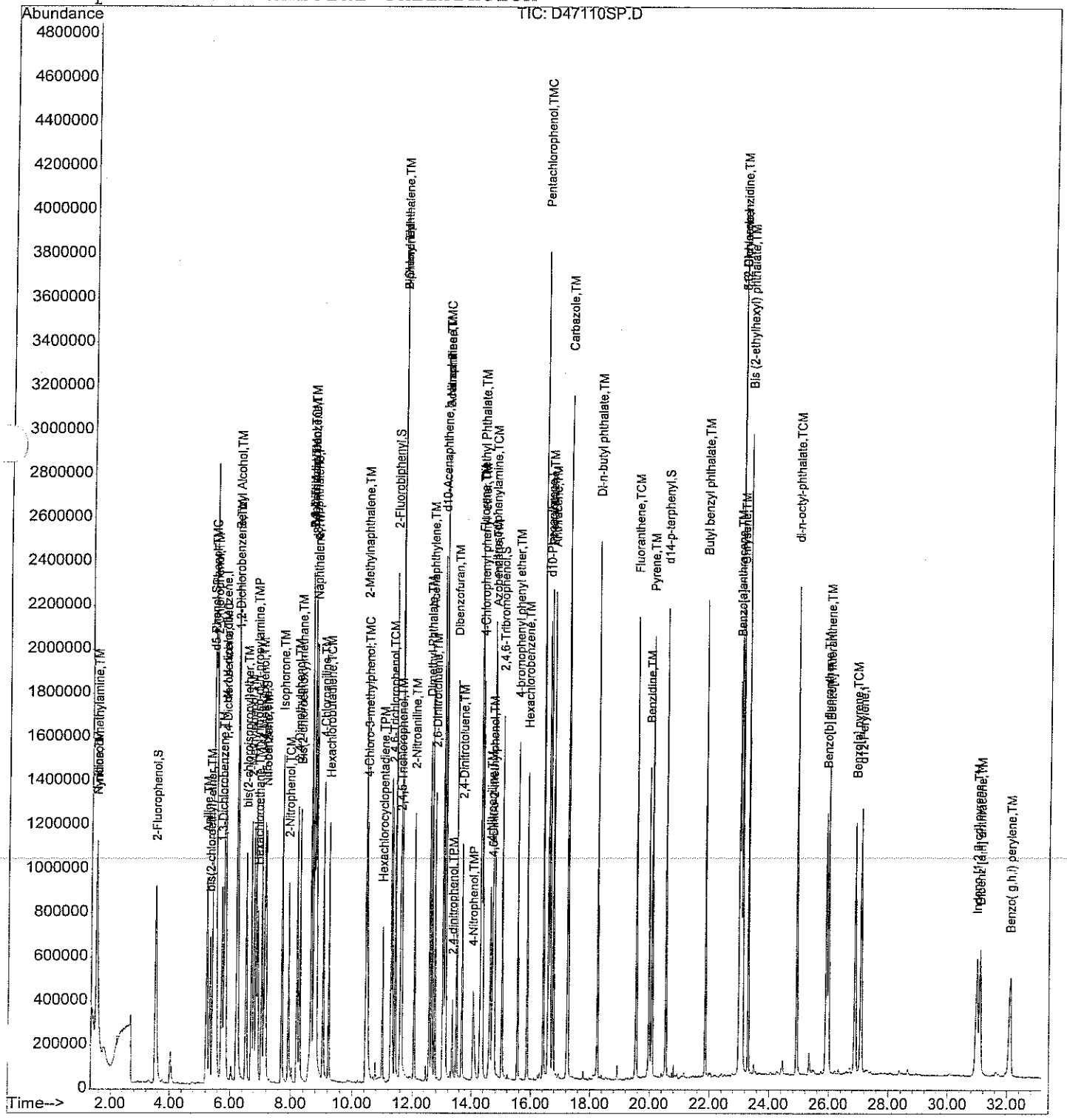
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
75)	Benzo[a]anthracene	23.01	228	1544053	34.52	ug/ml	99
76)	Chrysene	23.12	228	1432260	35.97	ug/ml	99
77)	3,3'-Dichlorobenzidine	23.07	252	1134171	73.40	ug/ml	99
78)	Bis (2-ethylhexyl) phthala	23.32	149	1324025	33.44	ug/ml	99
80)	di-n-octyl-phthalate	24.92	149	2158671	35.20	ug/ml	99
81)	Benzo[b] fluoranthene	25.91	252	1423647	35.49	ug/ml	99
82)	Benzo[k] fluoranthene	25.99	252	1386154	38.59	ug/ml	100
83)	Benzo[a] pyrene	26.90	252	1308155	36.96	ug/ml	100
84)	Indeno [1,2,3-cd] pyrene	30.99	276	866419	25.71	ug/ml	100
85)	Dibenz [a,h] anthracene	31.11	278	904084	28.90	ug/ml	99
86)	Benzo(g,h,i) perylene	32.12	276	766493	23.34	ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042606-D\D47110SP.D Vial: 20
Acq On : 27 Apr 2006 5:26 am Operator:
Sample : 56346-3,MS Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 8:19 2006 Quant Results File: S04266.RES

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47111SP.D Vial: 21
Acq On : 27 Apr 2006 5:59 am Operator:
Sample : 56346-3,MSD Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 27 8:38 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4-27-06 SL

4-27-06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.80	152	579245	40.00	ug/ml	0.00
19) d8-Naphthalene	8.74	136	2140209	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.02	164	974388	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.60	188	1649574	40.00	ug/ml	0.00
71) d12-Chrysene	23.06	240	1451098	40.00	ug/ml	0.00
79) d12-Perylene	27.10	264	1268584	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.51	112	1036595	51.74	ug/ml	-0.02
Spiked Amount 75.000	Range 29 - 97		Recovery = 68.99%			
5) d5-Phenol	5.41	99	1502433	58.71	ug/ml	-0.02
Spiked Amount 75.000	Range 40 - 120		Recovery = 78.28%			
20) d5-nitrobenzene	7.13	82	887148	36.48	ug/ml	0.00
Spiked Amount 50.000	Range 20 - 101		Recovery = 72.96%			
39) 2-Fluorobiphenyl	11.43	172	1279696	40.95	ug/ml	0.00
Spiked Amount 50.000	Range 34 - 102		Recovery = 81.90%			
60) 2,4,6-Tribromophenol	15.02	330	392912	67.27	ug/ml	0.00
Spiked Amount 75.000	Range 36 - 141		Recovery = 89.69%			
73) d14-p-terphenyl	20.55	244	1274062	39.56	ug/ml	0.00
Spiked Amount 50.000	Range 38 - 108		Recovery = 79.12%			
Target Compounds						Qvalue
2) Pyridine	1.53	79	791919	23.42	ug/ml	96
3) N-nitrosodimethylamine	1.52	42	473449	23.70	ug/ml	94
6) Aniline	5.22	93	933178	31.08	ug/ml	100
7) Phenol	5.45	94	811859	30.68	ug/ml#	68
8) 2-Chlorophenol	5.52	128	645213	30.57	ug/ml	87
9) bis(2-chloroethyl) ether	5.33	93	668968	29.69	ug/ml	99
10) 1,3-Dichlorobenzene	5.72	146	616737	27.62	ug/ml	100
11) 1,4-Dichlorobenzene	5.83	146	625910	27.67	ug/ml	99
12) 1,2-Dichlorobenzene	6.24	146	604599	28.66	ug/ml	99
13) Benzyl Alcohol	6.22	108	379744	32.68	ug/ml	95
14) 2-Methylphenol	6.69	108	569048	32.76	ug/ml	99
15) bis(2-chloroisopropyl)ethe	6.52	45	1228273	29.32	ug/ml	100
16) 3+4-Methylphenol	7.03	108	600551	32.86	ug/ml	98
17) Hexachloroethane	6.90	117	257890	28.90	ug/ml	100
18) N-nitroso-di-n-propylamine	6.86	70	569306	33.16	ug/ml	98
21) Nitrobenzene	7.17	123	345565	30.16	ug/ml	94
22) Isophorone	7.70	82	1481580	35.67	ug/ml	98
23) 2-Nitrophenol	7.92	139	392220	30.92	ug/ml	99
24) 2,4-Dimethylphenol	8.19	107	575791	31.18	ug/ml	99
25) Bis(2-chloroethoxy)methane	8.29	93	763918	30.65	ug/ml	100

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042606-D\D47111SP.D Vial: 21
Acq On : 27 Apr 2006 5:59 am Operator:
Sample : 56346-3,MSD Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 27 8:38 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 2,4-Dichlorophenol	8.64	162	479509	32.58 ug/ml	99
27) Benzoic Acid	8.62	105	176319m	16.78 ug/ml	
28) 1,2,4-Trichlorobenzene	8.65	180	459643	30.30 ug/ml	99
29) Naphthalene	8.78	128	1633246	29.81 ug/ml	100
31) 4-Chloroaniline	9.04	127	781488	32.10 ug/ml	97
32) Hexachlorobutadiene	9.23	225	269254	28.90 ug/ml	99
33) 4-Chloro-3-methylphenol	10.49	107	518009	33.61 ug/ml	93
34) 2-Methylnaphthalene	10.45	141	1004267	31.89 ug/ml	99
36) Hexachlorocyclopentadiene	11.00	237	191030	30.92 ug/ml	96
37) 2,4,6-Trichlorophenol	11.32	196	320053	33.64 ug/ml	99
38) 2,4,5-Trichlorophenol	11.59	196	354833	35.33 ug/ml	98
40) 2-Chloronaphthalene	11.63	162	936468	31.27 ug/ml	98
41) 2-Nitroaniline	12.06	138	492025	35.38 ug/ml	99
42) 2,6-Dinitrotoluene	12.75	165	304174	34.97 ug/ml	97
43) Dimethyl Phthalate	12.57	163	1167296	33.78 ug/ml	99
44) Acenaphthylene	12.64	152	1634417	34.02 ug/ml	99
45) 3-Nitroaniline	13.09	138	390207	35.88 ug/ml	98
46) Acenaphthene	13.10	154	910554	32.44 ug/ml	98
47) 2,4-dinitrophenol	13.34	184	95308	23.10 ug/ml	93
48) Dibenzofuran	13.49	168	1314681	33.10 ug/ml	100
49) 4-Nitrophenol	14.05	109	132544	32.77 ug/ml	94
50) 2,4-Dinitrotoluene	13.69	165	412422	37.27 ug/ml	97
52) Fluorene	14.33	166	1065943	33.96 ug/ml	99
53) Diethyl Phthalate	14.31	149	1305650	36.89 ug/ml	99
54) 4-Chlorophenyl phenyl eth	14.37	204	540606	34.70 ug/ml	98
55) 4-Nitroaniline	14.62	138	406925	40.27 ug/ml	100
56) 4,6-Dinitro-2-methylphenol	14.68	198	195096	28.65 ug/ml	98
57) n-nitrosodiphenylamine	14.72	169	807257	38.06 ug/ml	96
58) Azobenzene	14.76	77	1710093	33.88 ug/ml	94
59) Biphenyl	11.63	154	1196952	31.21 ug/ml	100
62) 4-bromophenyl phenyl ether	15.55	248	321293	33.25 ug/ml	96
63) Hexachlorobenzene	15.87	284	381200	35.18 ug/ml	99
64) Pentachlorophenol	16.41	266	161706	28.09 ug/ml	99
65) Phenanthrene	16.65	178	1496857	34.36 ug/ml	100
66) Anthracene	16.76	178	1537603	36.25 ug/ml	98
67) Carbazole	17.26	167	2799014	68.60 ug/ml	100
68) Di-n-butyl phthalate	18.25	149	2208100	37.07 ug/ml	100
69) Fluoranthene	19.55	202	1644163	37.07 ug/ml	100
70) Benzidine	19.98	184	1136282	105.02 ug/ml	96
72) Pyrene	20.08	202	1560465	31.24 ug/ml	100
74) Butyl benzyl phthalate	21.86	149	930418	32.95 ug/ml	99

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042606-D\D47111SP.D Vial: 21
Acq On : 27 Apr 2006 5:59 am Operator:
Sample : 56346-3,MSD Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 27 8:38 2006 Quant Results File: S04266.RES

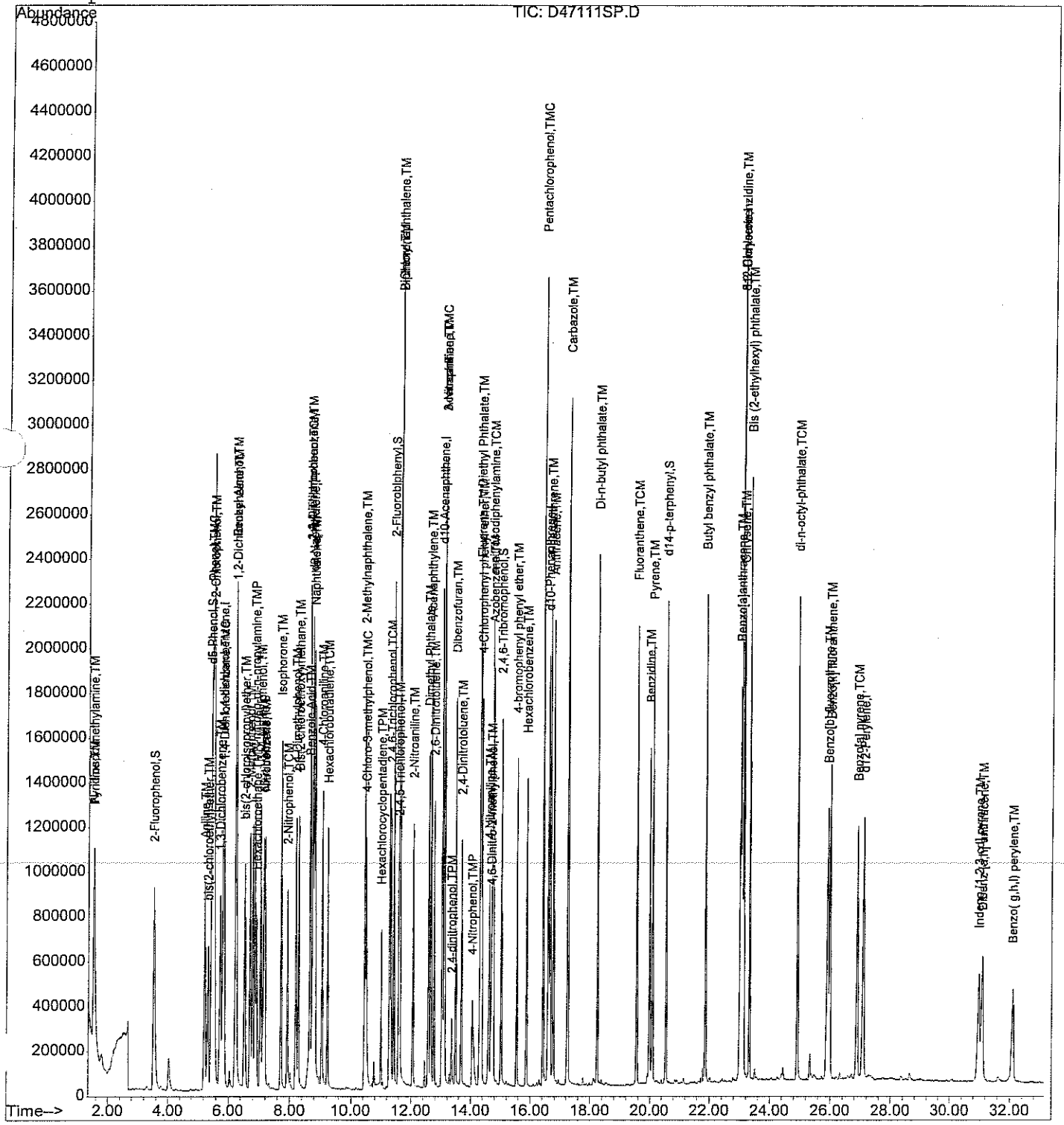
Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
75) Benzo[a]anthracene	23.01	228	1530968	35.02 ug/ml	99
76) Chrysene	23.12	228	1408399	36.20 ug/ml	98
77) 3,3'-Dichlorobenzidine	23.07	252	1159462	76.78 ug/ml	99
78) Bis (2-ethylhexyl) phthala	23.32	149	1292921	33.42 ug/ml	100
80) di-n-octyl-phthalate	24.92	149	2157164	36.05 ug/ml	99
81) Benzo[b] fluoranthene	25.91	252	1466148	37.46 ug/ml	99
82) Benzo[k] fluoranthene	25.99	252	1392523	39.73 ug/ml	100
83) Benzo[a] pyrene	26.89	252	1281172	37.10 ug/ml	100
84) Indeno [1,2,3-cd] pyrene	30.99	276	810693	24.65 ug/ml	98
85) Dibenz [a,h] anthracene	31.10	278	852606	27.93 ug/ml	99
86) Benzo(g,h,i) perylene	32.11	276	657186	20.51 ug/ml	99

(#) = qualifier out of range (m) = manual integration

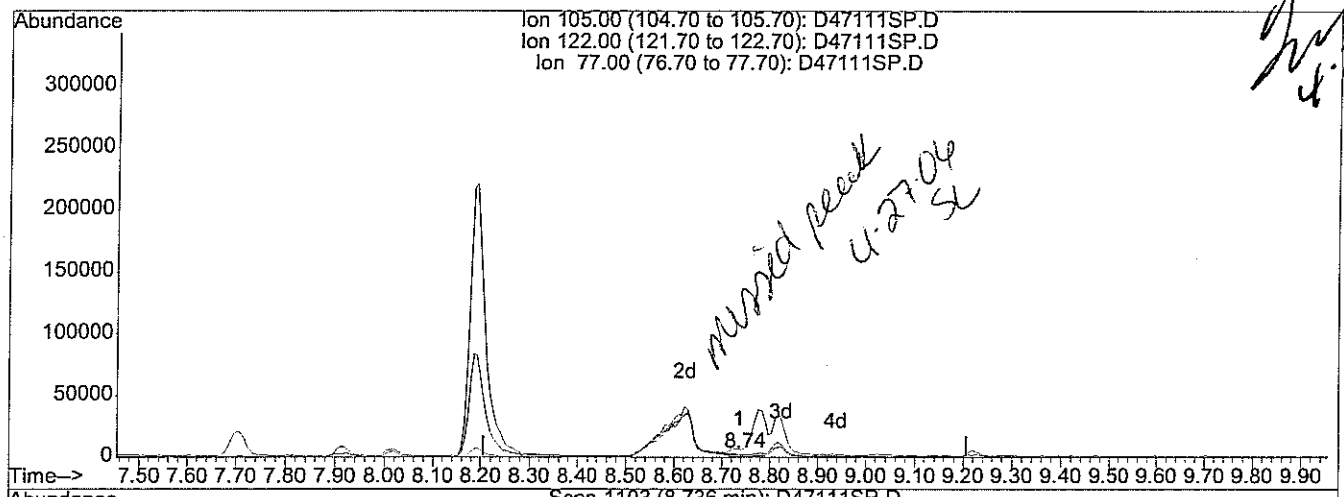
Data File : D:\HPCHEM\1\DATA\042606-D\D47111SP.D Vial: 21
Acq On : 27 Apr 2006 5:59 am Operator:
Sample : 56346-3,MSD Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 8:38 2006 Quant Results File: S04266.RES

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration



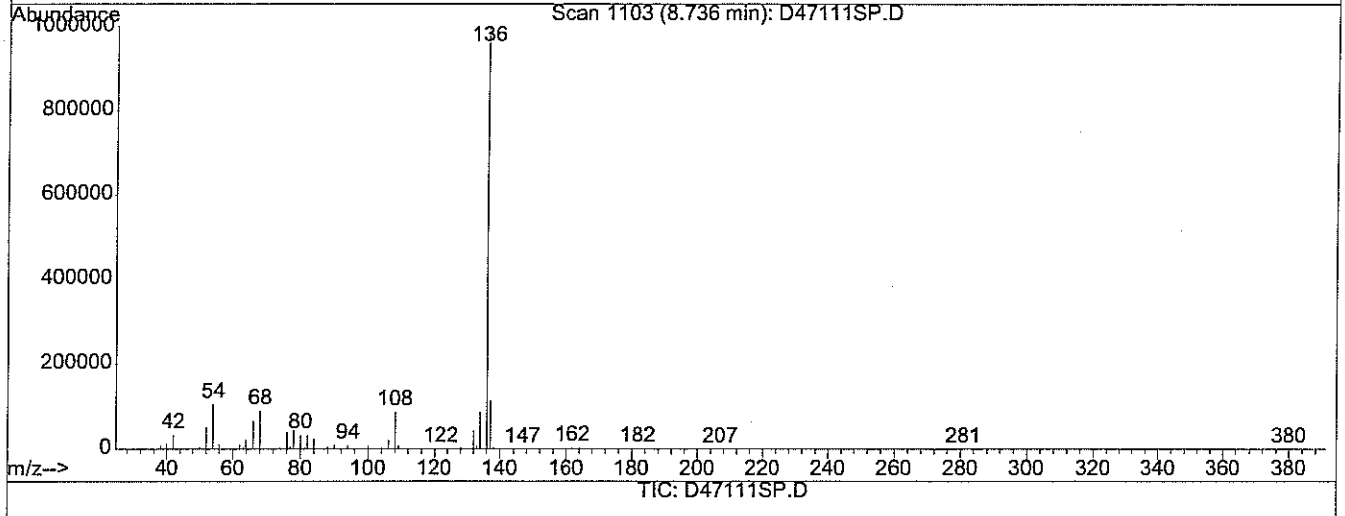
Data File : D:\HPCHEM\1\DATA\042606-D\D47111SP.D Vial: 21
Acq On : 27 Apr 2006 5:59 am Operator:
Sample : 56346-3,MSD Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 8:19 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Multiple Level Calibration



missed peak 4-27-06 SL

4.27.06



TIC: D47111SP.D

(27) Benzoic Acid (TM)

8.74min 3.28ug/ml

response 5817

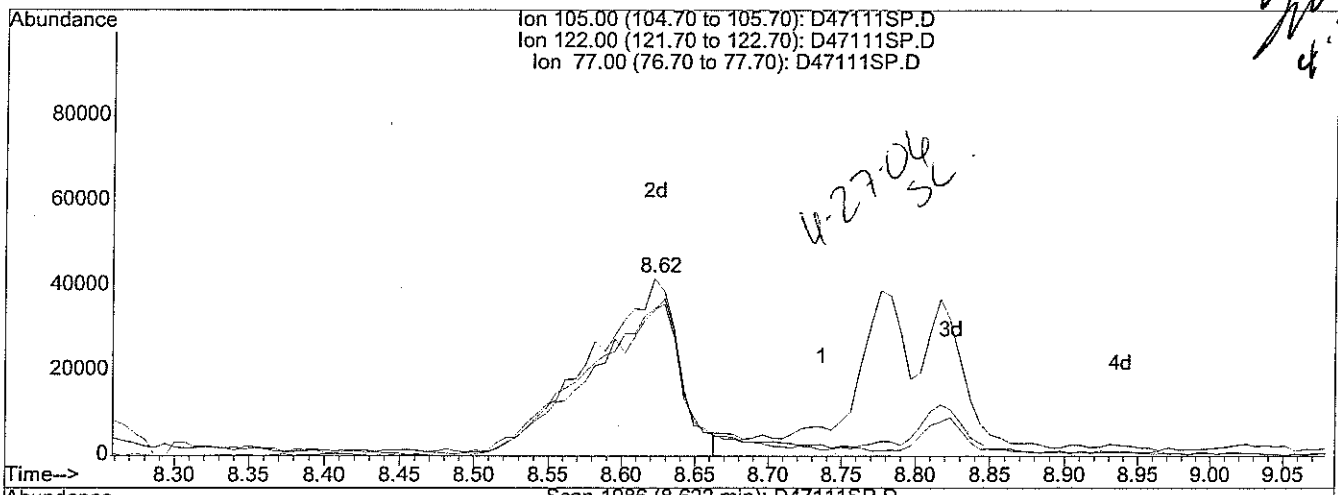
Ion	Exp%	Act%
105.00	100	100
122.00	84.40	0.00#
77.00	88.30	1472.72#
0.00	0.00	0.00

Quantitation Report (QedIt)

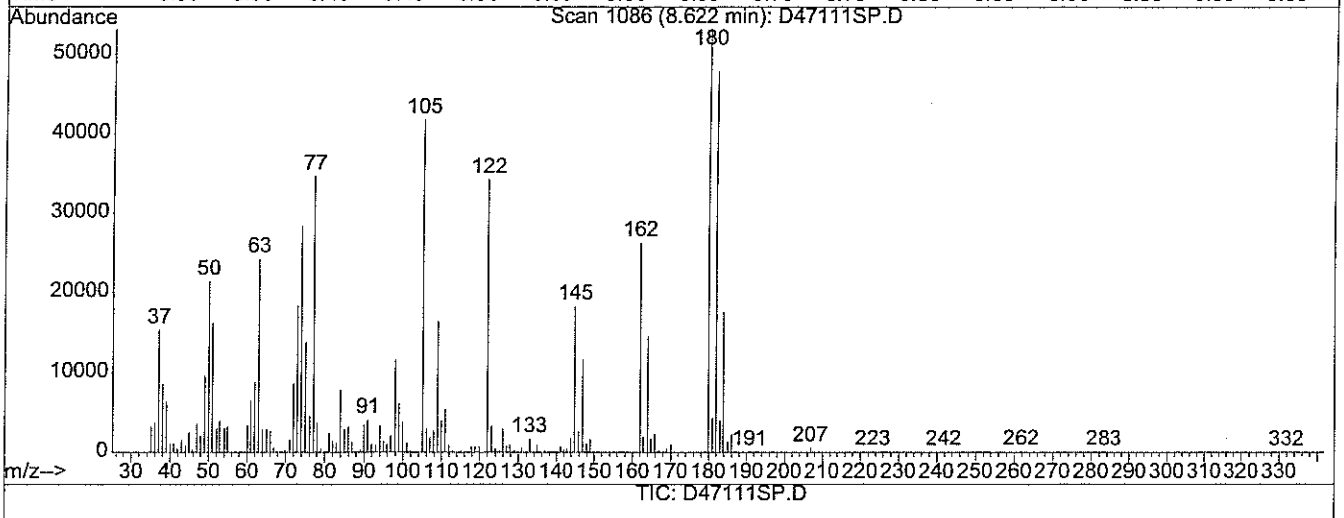
Data File : D:\HPCHEM\1\DATA\042606-D\D47111SP.D Vial: 21
Acq On : 27 Apr 2006 5:59 am Operator:
Sample : 56346-3,MSD Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 8:38 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Multiple Level Calibration

4-27-06



4-27-06 SL



TIC: D47111SP.D

(27) Benzoic Acid (TM)

8.62min 16.78ug/ml m

response 176319

Ion	Exp%	Act%
105.00	100	100
122.00	84.40	0.00#
77.00	88.30	48.59#
0.00	0.00	0.00

042606-D

Instrument D

IS only#: S6759 Exp: 10/24/06.

Tune File: ABN.M Date: 4/26/06 Loading Check: SC/PM

Voltage: 1800 Analyst: SC Unloading Check: SC

Vial	Meth File	Sample Info	Dil	Data File	Win ID	Comments
1	tunemix	S6618 tunemix 50ng	/	D47084T	W-D-042606-1-SC ✓	
2	S04036	S6761 Pt3 20/40	/	85SC	Not okay, change gold seal.	
1	tunemix	S6618 tunemix 50ng	/	86T	Inst. faulted out	
1	↓	↓	/	87T	↓	
~~2~~	~~S04036~~		~~/~~	~~88SC~~		4/26/06 SC
1	tunemix	S6618 tunemix 50ng	/	88T	✓	
2	~~S04036~~ S04036 4/26/06	S6761 Pt3 20/40	/	89SC	Need to	Re-cal.
2	S04266	S6745 Pt 1 2/4	/	90SI	✓	
3		S6744 Pt 2A 4/8	/	91SI	✓	
4		S6743 Pt 2 10/20	/	92SI	✓	
5	S6761	ALR 4/26/06 ~~S6767~~ Pt 3 20/40	/	93SI	✓	
6		S6741 Pt 4A 40/80	/	94SI	✓	
7		S6740 Pt 4 50/100	/	95SI	✓	
8	↓	S6739 Pt 5 100/200	/	96SI	✓	
~~9~~		~~S6776 ABN cc 20/40~~	~~/~~	~~97~~		
10		~~S6777 Benzidines + Anilines cc 20~~	~~/~~	~~98~~		
~~11~~		~~ALR 4/26/06~~				
1	tunemix	S6618 tunemix 50ng	/	97T	W-D-042606-2-ALR ✓	
5	S04266	S6761 Pt3 20/40	/	98SC	✓	
9		S6776 ABN cc 20/40	/	99	✓	
10		S6777 Benzidines + Anilines cc 20	/	D47100	Benzidine 317%	
11		B04266AS-2	/	01	✓	
12		L04266AS-2	/	02	✓	
13		LD04266AS-2	/	03	✓	
14		56346-2	/	04	✓	
15		-5	/	05	✓	
16		-6	/	06	✓	
17		-4	/	07	✓	
18	↓	-7	/	08	✓	

Cont. pg. 42

Instrument D Cont 042606-D

IS only#: 56759 Exp: 10/24/06

Tune File: ABN.u Date: 4/26/06 Loading Check: AR

Voltage: 1800 Analyst: AR Unloading Check: MN

Vial	Meth File	Sample Info	Dil	Data File	Win ID	Comments
19	042606	56346-3	1	D47109	✓	
20		-3, MS	1	10	✓	
21		-3, MSD	1	11	✓	
22		56276-1 PAHS	1	12	✓	
23		56301-6	1	13	✓	
24		-8	1	14	✓	
25		-5	1	15	+156	
26	↓	-7	1	16	+156, +SS6	
					4127109 SC	

42

analytics environmental laboratory LLC

SEMI-VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Project #: Quote #: NA SDG#: 56346

DFTPP File ID: D47088T.D Site ID: Subbase New London Site 7 Location: CT

Instrument ID: D DFTPP Injection Date: 4/26/06

GC Column: RTX-5MS ID: 0.25(mm) DFTPP Injection Time: 1134

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
51	30 - 60% of mass 198	54.8
68	Less than 2% of mass 69	0.0 (0.0)1
69	Less than 100% of mass 198	77.3
70	Less than 2% of mass 69	0.7 (0.7)1
127	40 - 60% of mass 198	50.2
197	Less than 1% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5 - 9% of mass 198	7.1
275	10 - 30% of mass 198	19.4
365	1 - 100% of mass 198	2.0
441	.01 - 100% of mass 443	13.4 (82.0)2
442	40 - 100% of mass 198	69.2
443	17 - 23% of mass 442	16.4 (18.3)3

1-Value is % mass 69 2-Value is % mass 44 3-Value is % mass 442

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	S6761 PT3 20/40	S6761 PT3 20/40	D47089SC.D	4/26/06	11:53
02	S6745 PT1 2/4	S6745 PT1 2/4	D47090SI.D	4/26/06	12:34
03	S6744 PT2A 4/8	S6744 PT2A 4/8	D47091SI.D	4/26/06	13:07
04	S6743 PT2 10/20	S6743 PT2 10/20	D47092SI.D	4/26/06	13:40
05	S6761 PT3 20/40	S6761 PT3 20/40	D47093SI.D	4/26/06	14:13
06	S6741 PT4A 40/80	S6741 PT4A 40/80	D47094SI.D	4/26/06	15:20
07	S6740 PT4 50/100	S6740 PT4 50/100	D47095SI.D	4/26/06	15:53
08	S6740 PT5 100/200	S6740 PT5 100/200	D47096SI.D	4/26/06	16:26
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					

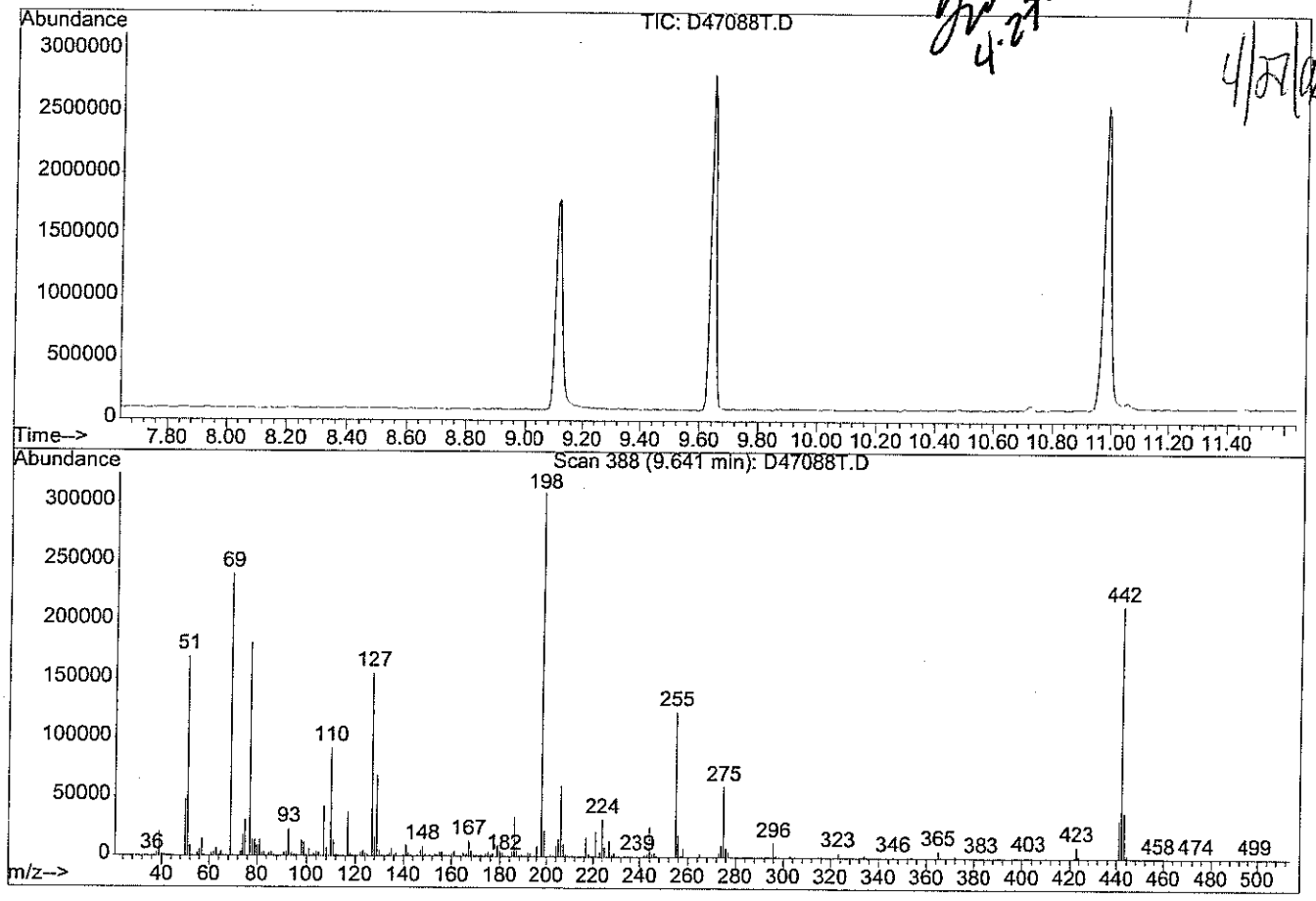
DFTPP

Data File : D:\HPCHEM\1\DATA\042606-D\D47088T.D
Acq On : 26 Apr 2006 11:34 am
Sample : S6618 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX

Vial: 1
Operator:
Inst : D Instrum
Multiplr: 1.00

4-27-06

4/27/06



Spectrum Information: Scan 388

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	54.8	169728	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	77.3	239552	PASS
70	69	0.00	2	0.7	1699	PASS
127	198	40	60	50.2	155648	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	309952	PASS
199	198	5	9	7.1	22104	PASS
275	198	10	30	19.4	60056	PASS
365	198	1	100	2.0	6169	PASS
441	443	0.01	100	82.0	32184	PASS
442	198	40	100	69.2	214400	PASS
443	442	17	23	18.3	39232	PASS

SEMI-VOLATILE
TUNE MIX CHECK

4/27/06

Sample Name **S6618 TUNEMIX 50NG**
Data File Name **D47088T.D**
Date Acquired **4/26/2006 11:34**

Name	Target Response
PENTACHLOROPHENOL	342537.00
BENZIDINE	1537292.00
DDE	132.00
DDD	7780
DDT	753630

4-27-06

(0% - 20%)

%DDT BREAKDOWN = 1.04% ✓ **OK**

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47088T.D Vial: 1
Acq On : 26 Apr 2006 11:34 am Operator:
Sample : S6618 TUNEMIX 50NG Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 26 11:20 2006 Quant Results File: TUNEMIX.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX
Last Update : Fri Apr 21 21:21:23 2006
Response via : Initial Calibration
DataAcq Meth : TUNE

4-27-06 4/27/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
1) PENTACHLOROPHENOL	9.12	266	342537	29.03	UG/L	100
2) DFTPP	9.64	198	382298	17.41	ug/ml	100
3) BENZIDINE	10.99	184	1537292	27.83	UG/L	100
4) DDE	11.27	246	132	1.71	UG/L	100
5) DDD	11.66	235	7780	15.09	UG/L	100
6) DDT	12.04	235	753630	28.42	UG/L	100

(#) = qualifier out of range (m) = manual integration

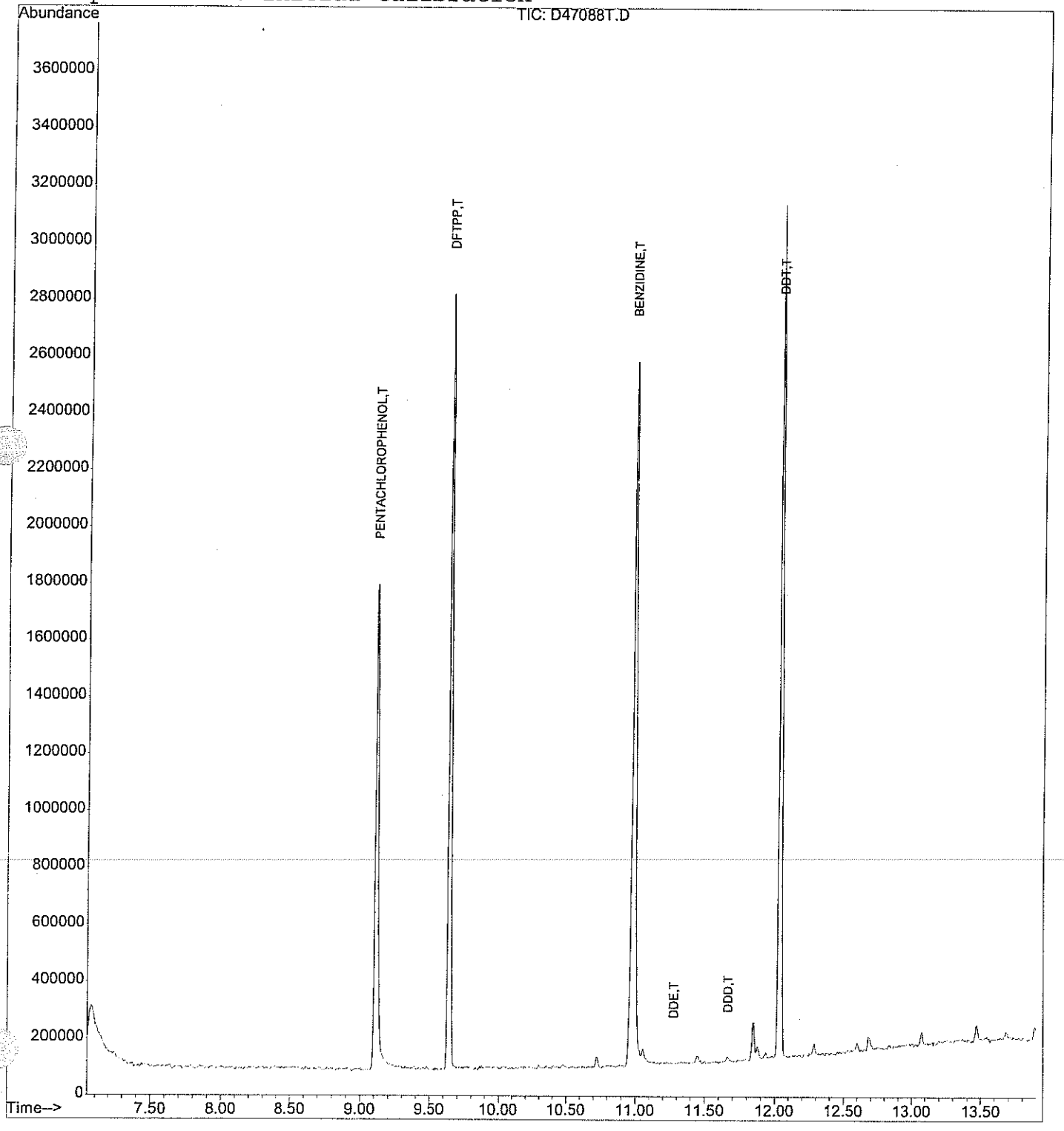
Quantitation Report

Data File : D:\HPCHEM\1\DATA\042606-D\D47088T.D
Acq On : 26 Apr 2006 11:34 am
Sample : S6618 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Apr 26 11:20 2006

Vial: 1
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: TUNEMIX.RES

Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX
Last Update : Fri Apr 21 21:21:23 2006
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47088T.D
Acq On : 26 Apr 2006 11:34 am
Sample : S6618 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Apr 26 11:20 2006

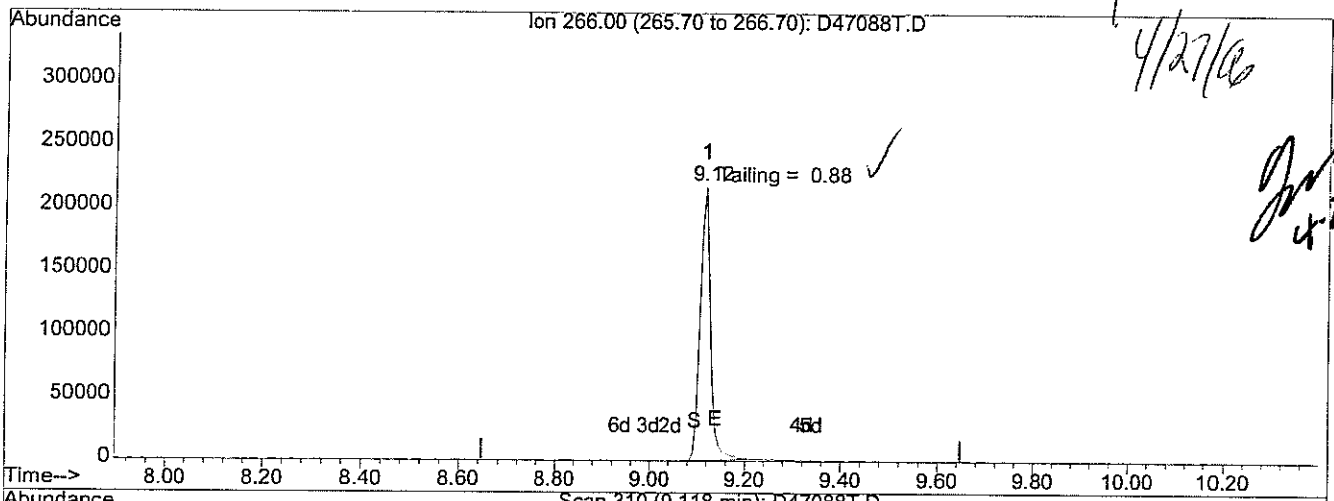
Vial: 1
Operator:
Inst : D Instrum
Multiplr: 1.00

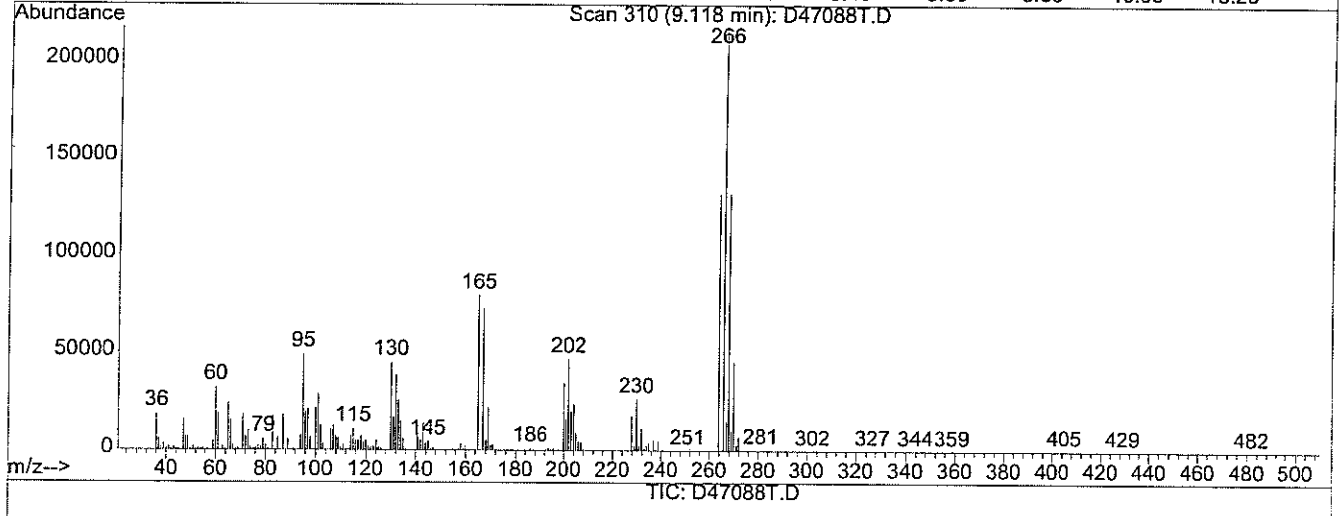
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX
Last Update : Fri Apr 21 21:21:23 2006
Response via : Single Level Calibration

4/27/06

4-27-06





(1) PENTACHLOROPHENOL (T)

9.12min 29.03UG/L

response 342537

Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

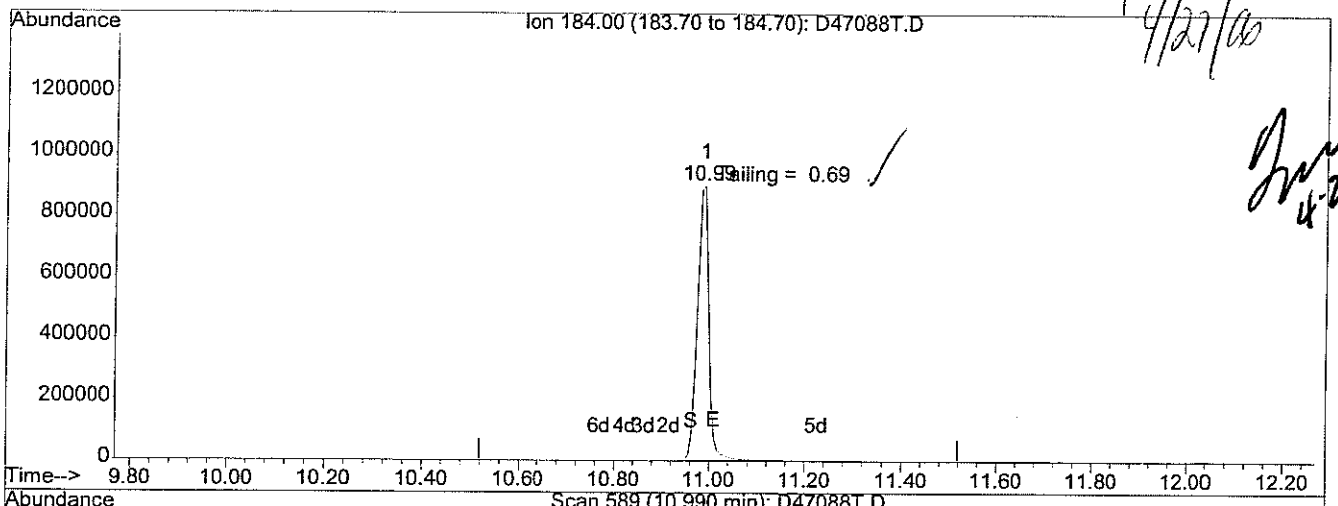
Data File : D:\HPCHEM\1\DATA\042606-D\D47088T.D
Acq On : 26 Apr 2006 11:34 am
Sample : S6618 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Apr 26 11:20 2006

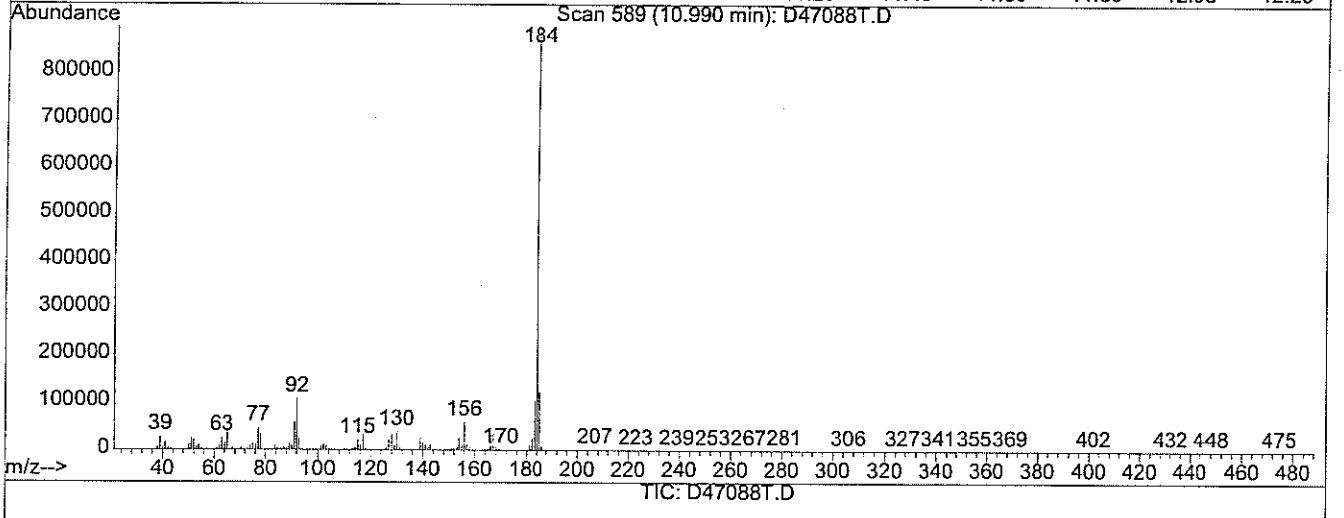
Vial: 1
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX
Last Update : Fri Apr 21 21:21:23 2006
Response via : Single Level Calibration

4/27/06





TIC: D47088T.D

(3) BENZIDINE (T)

10.99min 27.83UG/L

response 1537292

Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

analytics environmental laboratory LLC

SEMI-VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Project #: Quote #: NA SDG#: 56346

DFTPP File ID: D47097T.D Site ID: Subbase New London Site 7 Location: CT

Instrument ID: D DFTPP Injection Date: 4/26/06

GC Column: RTX-5MS ID: 0.25(mm) DFTPP Injection Time: 2134

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
51	30 - 60% of mass 198	55.9
68	Less than 2% of mass 69	0.0 (0.0)1
69	Less than 100% of mass 198	75.7
70	Less than 2% of mass 69	0.2 (0.2)1
127	40 - 60% of mass 198	50.1
197	Less than 1% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5 - 9% of mass 198	7.0
275	10 - 30% of mass 198	20.1
365	1 - 100% of mass 198	2.1
441	.01 - 100% of mass 443	12.6 (79.7)2
442	40 - 100% of mass 198	81.1
443	17 - 23% of mass 442	15.8 (19.5)3

1-Value is % mass 69 2-Value is % mass 44 3-Value is % mass 442

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	S6761 PT3 20/40	S6761 PT3 20/40	D47098SC.D	4/26/06	22:14
02	S6776 ABN CC 20/40	S6776 ABN CC 20/4	D47099.D	4/26/06	22:50
03	S6777 BENZIDINES + AN	S6777 BENZIDINES	D47100.D	4/26/06	23:35
04	B04266AS-2	B04266AS-2	D47101B.D	4/26/06	0:08
05	L04266AS-2	L04266AS-2	D47102Q.D	4/27/06	0:34
06	LD04266AS-2	LD04266AS-2	D47103Q.D	4/27/06	1:07
07	56346-2	56346-2	D47104.D	4/27/06	1:35
08	56346-5	56346-5	D47105.D	4/27/06	2:41
09	56346-6	56346-6	D47106.D	4/27/06	3:14
10	56346-4	56346-4	D47107.D	4/27/06	3:47
11	56346-7	56346-7	D47108.D	4/27/06	4:20
12	56346-3	56346-3	D47109.D	4/27/06	4:53
13	56346-3,MS	56346-3,MS	D47110SP.D	4/27/06	5:26
14	56346-3,MSD	56346-3,MSD	D47111SP.D	4/27/06	5:59
15	ZZZZZ	ZZZZZ	D47112.D	4/27/06	7:06
16	ZZZZZ	ZZZZZ	D47113.D	4/27/06	7:39
17	ZZZZZ	ZZZZZ	D47114.D	4/27/06	8:12
18	ZZZZZ	ZZZZZ	D47115.D	4/27/06	8:59
19	ZZZZZ	ZZZZZ	D47116.D	4/27/06	9:24
20					
21					
22					
23					

DFTPP

Data File : D:\HPCHEM\1\DATA\042606-D\D47097T.D Vial: 1
Acq On : 26 Apr 2006 9:34 pm Operator:
Sample : S6618 TUNEMIX 50NG Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: rteint.p

Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX

AutoFind: Scans 390, 391, 392; Background Corrected with Scan 384

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	55.9	145757	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	75.7	197241	PASS
70	69	0.00	2	0.2	393	PASS
127	198	40	60	50.1	130477	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	260565	PASS
199	198	5	9	7.0	18209	PASS
275	198	10	30	20.1	52373	PASS
365	198	1	100	2.1	5568	PASS
441	443	0.01	100	79.7	32893	PASS
442	198	40	100	81.1	211216	PASS
443	442	17	23	19.5	41280	PASS

7097T.D TUNEMIX.M Wed Apr 26 22:29:46 2006

SEMI-VOLATILE
TUNE MIX CHECK

4/27/06

Sample Name **S6618 TUNEMIX 50NG**
Data File Name **D47097T.D**
Date Acquired **4/26/2006 9:34**

Name	Target Response
PENTACHLOROPHENOL	321170.00
BENZIDINE	1670696.00
DDE	723.00
DDD	16999
DDT	773505

4-27-06

(0% - 20%)

%DDT BREAKDOWN = 2.24% ✓ **OK**

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47097T.D Vial: 1
Acq On : 26 Apr 2006 9:34 pm Operator:
Sample : S6618 TUNEMIX 50NG Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 26 22:29 2006 Quant Results File: TUNEMIX.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX
Last Update : Fri Apr 21 21:21:23 2006
Response via : Initial Calibration
DataAcq Meth : TUNE

4-27-06 4/27/06

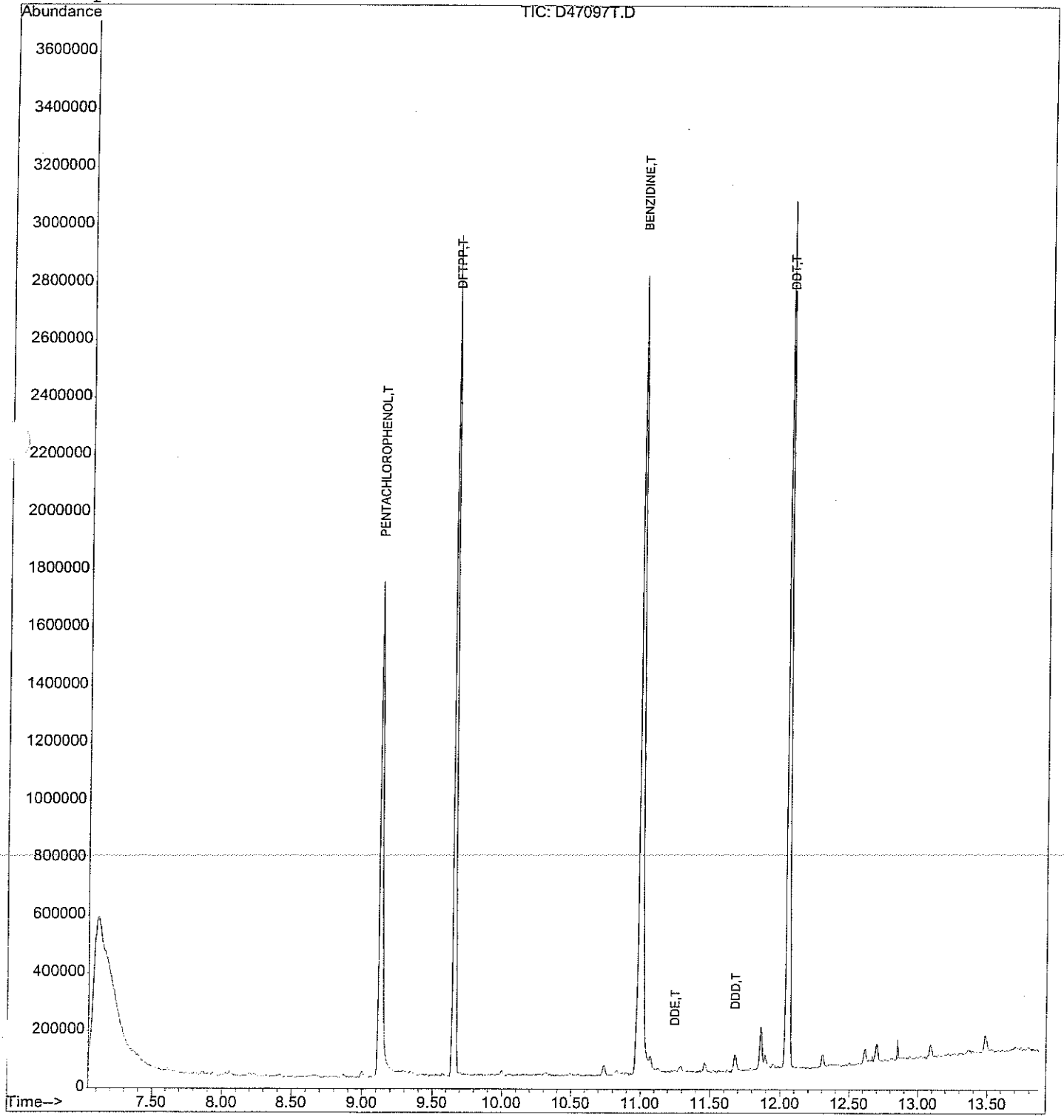
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
1) PENTACHLOROPHENOL	9.13	266	321170	27.22	UG/L	100
2) DFTPP	9.66	198	385692	17.56	ug/ml	100
3) BENZIDINE	11.00	184	1670696	30.24	UG/L	100
4) DDE	11.25	246	723	9.38	UG/L	100
5) DDD	11.68	235	16999	32.97	UG/L	100
6) DDT	12.05	235	773505	29.17	UG/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042606-D\D47097T.D Vial: 1
Acq On : 26 Apr 2006 9:34 pm Operator:
Sample : S6618 TUNEMIX 50NG Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 26 22:29 2006 Quant Results File: TUNEMIX.RES

Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX
Last Update : Fri Apr 21 21:21:23 2006
Response via : Initial Calibration

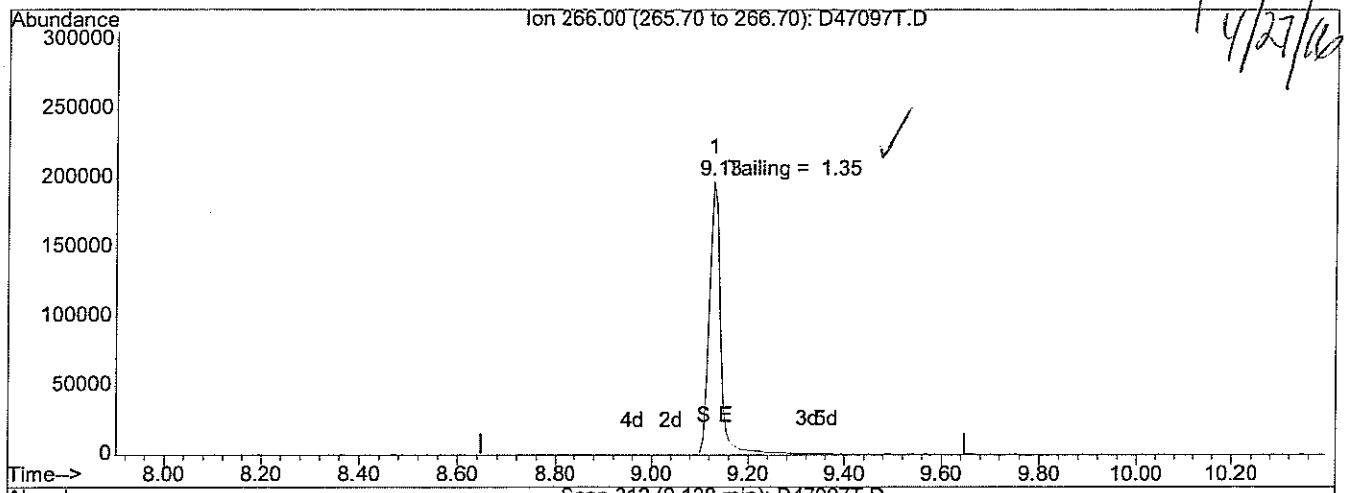


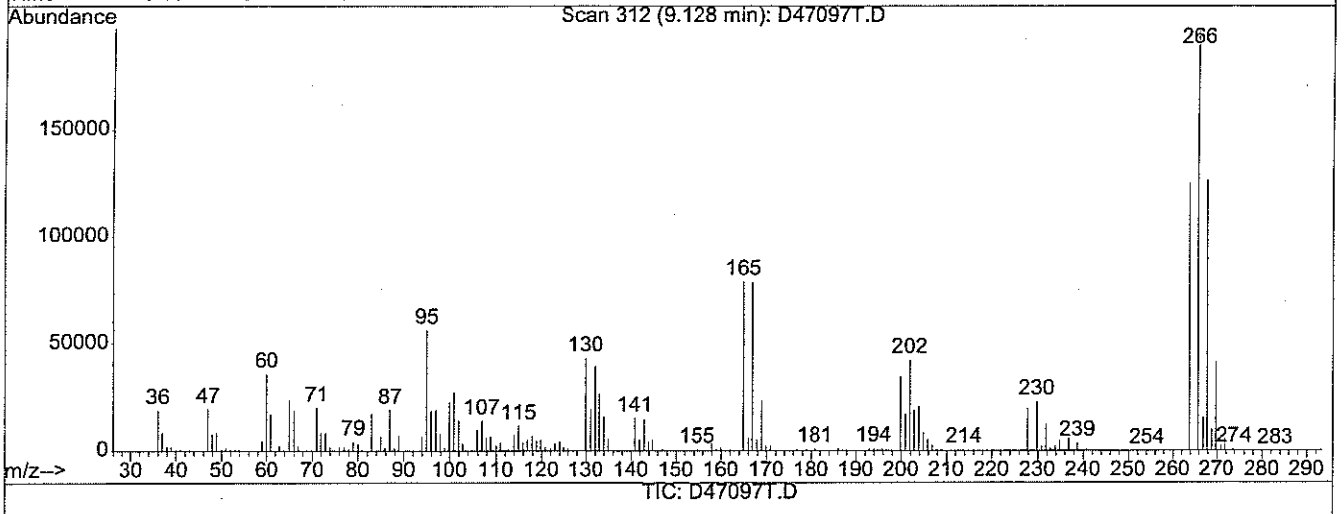
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47097T.D Vial: 1
Acq On : 26 Apr 2006 9:34 pm Operator:
Sample : S6618 TUNEMIX 50NG Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 26 22:29 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX
Last Update : Fri Apr 21 21:21:23 2006
Response via : Single Level Calibration

4/27/06





TIC: D47097T.D

(1) PENTACHLOROPHENOL (T)

9.13min 27.22UG/L

response 321170

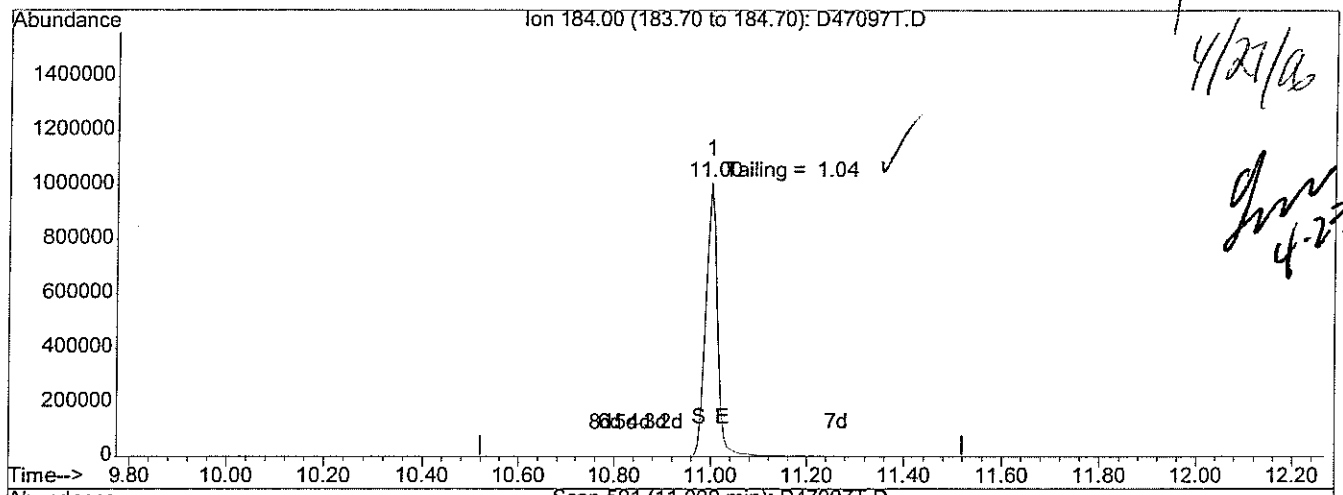
Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

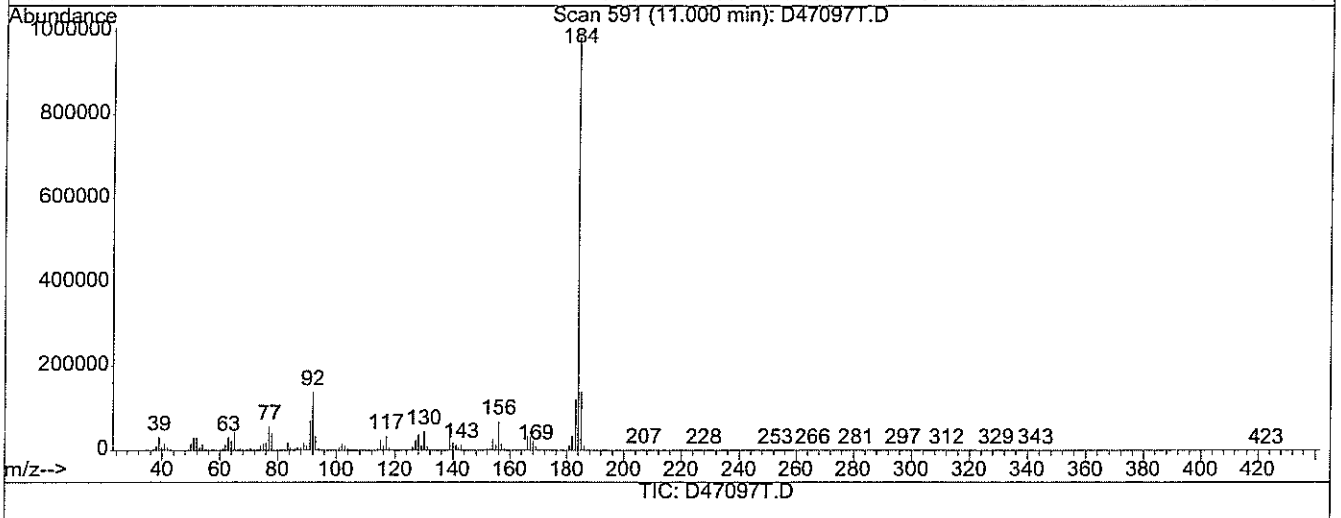
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47097T.D Vial: 1
Acq On : 26 Apr 2006 9:34 pm Operator:
Sample : S6618 TUNEMIX 50NG Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 26 22:29 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX
Last Update : Fri Apr 21 21:21:23 2006
Response via : Single Level Calibration

4/27/06





TIC: D47097T.D

(3) BENZIDINE (T)

11.00min 30.24UG/L

response 1670696

Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Response Factor Report D Instrum

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:49:30 2006
Response via : Initial Calibration

4/27/06

Calibration Files
1 =D47090SI.D 2 =D47092SI.D 3 =D47093SI.D
4 =D47095SI.D 5 =D47096SI.D 2A =D47091SI.D

		Compound	1	2	3	4	5	2A	Avg	%RSD
1)	I	d4-1,4-dichlorobenzen	----------ISTD----------							
2)	TM	Pyridine	2.169	2.810	2.332	2.319	2.276	2.087	2.335	9.86
3)	TM	N-nitrosodimethylam	1.381	1.373	1.423	1.314	1.327	1.482	1.379	4.18
4)	S	2-Fluorophenol	1.358	1.383	1.439	1.351	1.371	1.352	1.383	2.68
5)	S	d5-Phenol	1.829	1.787	1.874	1.712	1.650	1.760	1.767	4.18
6)	TM	Aniline	2.199	2.191	1.970	1.993	1.861	2.246	2.073	6.87
7)	TMC	Phenol	1.913	1.868	1.920	1.764	1.746	1.789	1.828	3.92
8)	TM	2-Chlorophenol	1.483	1.457	1.516	1.393	1.412	1.471	1.458	2.89
9)	TM	bis(2-chloroethyl)	1.705	1.573	1.623	1.447	1.544	1.480	1.556	5.64
10)	TM	1,3-Dichlorobenzene	1.620	1.500	1.599	1.499	1.500	1.506	1.542	3.44
11)	TMC	1,4-Dichlorobenzene	1.568	1.555	1.599	1.524	1.514	1.585	1.562	2.11
12)	TM	1,2-Dichlorobenzene	1.391	1.443	1.521	1.429	1.445	1.504	1.457	3.06
13)	TM	Benzyl Alcohol	0.608	0.783	0.862	0.838	0.920	0.733	0.803	13.16
14)	TM	2-Methylphenol	1.143	1.210	1.240	1.185	1.167	1.251	1.200	3.20
15)	TM	bis(2-chloroisoprop	2.950	2.946	3.030	2.791	2.810	2.866	2.893	2.96
16)	TM	3+4-Methylphenol	1.307	1.270	1.324	1.239	1.180	1.246	1.262	3.74
17)	TM	Hexachloroethane	0.628	0.617	0.636	0.592	0.597	0.628	0.616	2.67
18)	TMP	N-nitroso-di-n-prop	1.219	1.206	1.212	1.151	1.157	1.182	1.186	2.30
19)	I	d8-Naphthalene	----------ISTD----------							
20)	S	d5-nitrobenzene	0.454	0.474	0.460	0.448	0.432	0.462	0.455	2.85
21)	TM	Nitrobenzene	0.217	0.219	0.219	0.211	0.209	0.210	0.214	2.00
22)	TM	Isophorone	0.769	0.813	0.792	0.769	0.753	0.781	0.776	2.71
23)	TCM	2-Nitrophenol	0.218	0.251	0.239	0.244	0.234	0.236	0.237	4.28
24)	TM	2,4-Dimethylphenol	0.349	0.361	0.346	0.338	0.324	0.357	0.345	3.62
25)	TM	Bis(2-chloroethoxy)	0.466	0.500	0.474	0.458	0.438	0.479	0.466	4.54
26)	TCM	2,4-Dichlorophenol	0.264	0.280	0.288	0.278	0.266	0.273	0.275	3.00
27)	TM	Benzoic Acid	0.137	0.194	0.221	0.238	0.250	0.138	0.202	23.38
28)	TM	1,2,4-Trichlorobenz	0.272	0.292	0.287	0.281	0.279	0.292	0.284	2.54
29)	TM	Naphthalene	1.029	1.066	1.052	0.982	1.002	1.044	1.024	3.16
30)	T	2,6-Dichlorophenol	0.260	0.285	0.273	0.273	0.264	0.287	0.273	3.61
31)	TM	4-Chloroaniline	0.463	0.477	0.454	0.457	0.425	0.470	0.455	3.96
32)	TCM	Hexachlorobutadiene	0.161	0.177	0.182	0.173	0.167	0.187	0.174	4.99
33)	TMC	4-Chloro-3-methylph	0.273	0.306	0.291	0.290	0.275	0.293	0.288	3.88
34)	TM	2-Methylnaphthalene	0.564	0.559	0.635	0.605	0.582	0.562	0.589	5.04
35)	I	d10-Acenaphthene	----------ISTD----------							
36)	TPM	Hexachlorocyclopent	0.092	0.176	0.225	0.266	0.278	0.119	0.203	36.99
37)	TCM	2,4,6-Trichlorophen	0.392	0.393	0.401	0.385	0.377	0.389	0.391	1.94
38)	TM	2,4,5-Trichlorophen	0.404	0.402	0.425	0.407	0.415	0.414	0.412	2.07
39)	S	2-Fluorobiphenyl	1.330	1.324	1.319	1.225	1.165	1.351	1.283	5.25
40)	TM	2-Chloronaphthalene	1.265	1.235	1.264	1.190	1.124	1.299	1.229	4.69
41)	TM	2-Nitroaniline	0.533	0.582	0.590	0.570	0.572	0.574	0.571	3.14

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report D Instrum

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:49:30 2006
Response via : Initial Calibration

Calibration Files
1 =D47090SI.D 2 =D47092SI.D 3 =D47093SI.D
4 =D47095SI.D 5 =D47096SI.D 2A =D47091SI.D

		Compound	1	2	3	4	5	2A	Avg	%RSD
42)	TM	2,6-Dinitrotoluene	0.347	0.356	0.373	0.361	0.356	0.345	0.357	2.66
43)	TM	Dimethyl Phthalate	1.506	1.432	1.460	1.387	1.255	1.479	1.419	5.83
44)	TM	Acenaphthylene	2.035	1.988	2.039	1.934	1.813	2.052	1.972	4.27
45)	TM	3-Nitroaniline	0.438	0.456	0.462	0.440	0.444	0.435	0.446	2.25
46)	TMC	Acenaphthene	1.174	1.146	1.158	1.085	1.237	1.141	1.152	4.04
47)	TPM	2,4-dinitrophenol	0.065	0.143	0.183	0.217	0.239	0.092	0.164	40.33
48)	TM	Dibenzofuran	1.705	1.650	1.679	1.574	1.466	1.714	1.631	5.35
49)	TMP	4-Nitrophenol	0.145	0.151	0.184	0.181	0.175	0.147	0.166	10.52
50)	TM	2,4-Dinitrotoluene	0.417	0.472	0.479	0.455	0.463	0.428	0.454	5.14
51)	T	2,3,4,6-Tetrachloro	0.266	0.305	0.313	0.317	0.312	0.271	0.300	7.50
52)	TM	Fluorene	1.329	1.318	1.336	1.236	1.224	1.301	1.289	3.47
53)	TM	Diethyl Phthalate	1.572	1.509	1.582	1.446	1.039	1.549	1.453	13.04
54)	TM	4-Chlorophenyl phen	0.664	0.645	0.648	0.629	0.588	0.667	0.640	4.18
55)	TM	4-Nitroaniline	0.413	0.448	0.457	0.390	0.337	0.445	0.415	10.04
56)	TM	4,6-Dinitro-2-methy	0.179	0.255	0.285	0.262	0.213	0.212	0.240	16.03
57)	TCM	n-nitrosodiphenylam	0.867	0.883	0.872	0.853	0.833	0.919	0.871	3.06
58)	TM	Azobenzene	2.068	2.017	2.000	2.009	2.316	2.059	2.072	5.33
59)	TM	Biphenyl	1.693	1.608	1.628	1.494	1.427	1.630	1.574	5.83
60)	S	2,4,6-Tribromopheno	0.230	0.239	0.247	0.233	0.243	0.239	0.240	2.76
61)	I	d10-Phenanthrene	----------ISTD----------							
62)	TM	4-bromophenyl pheny	0.244	0.235	0.240	0.232	0.228	0.226	0.234	2.66
63)	TM	Hexachlorobenzene	0.256	0.268	0.268	0.259	0.256	0.263	0.263	2.15
64)	TMC	Pentachlorophenol	———	0.126	0.146	0.152	0.162	0.097	0.140	17.53
65)	TM	Phenanthrene	1.090	1.029	1.078	1.032	1.062	1.059	1.057	2.15
66)	TM	Anthracene	1.101	1.066	1.071	0.992	0.901	1.063	1.029	6.61
67)	TM	Carbazole	1.030	1.034	1.030	0.950	0.932	1.007	0.989	4.61
68)	TM	Di-n-butyl phthalat	1.591	1.600	1.578	1.372	1.016	1.527	1.445	14.40
69)	TCM	Fluoranthene	1.171	1.137	1.142	1.008	0.923	1.115	1.075	8.36
70)	TM	Benzidine	0.481	0.335	0.106	0.142	0.107	0.502	0.262	66.65
71)	I	d12-Chrysene	----------ISTD----------							
72)	TM	Pyrene	1.347	1.307	1.293	1.345	1.647	1.296	1.377	9.09
73)	S	d14-p-terphenyl	0.913	0.876	0.882	0.847	0.903	0.887	0.888	2.55
74)	TM	Butyl benzyl phthal	0.755	0.795	0.813	0.771	0.722	0.763	0.778	4.73
75)	TM	Benzo[a]anthracene	1.183	1.165	1.155	1.148	1.433	1.163	1.205	8.44
76)	TM	Chrysene	1.092	1.092	1.072	1.067	1.033	1.079	1.073	1.87
77)	TM	3,3'-Dichlorobenzid	0.392	0.415	0.418	0.440	0.432	0.388	0.416	4.77
78)	TM	Bis (2-ethylhexyl)	1.040	1.059	1.069	1.097	1.054	0.981	1.066	5.27
79)	I	d12-Perylene	----------ISTD----------							
80)	TCM	di-n-octyl-phthalat	1.940	2.049	1.974	1.755	1.567	1.950	1.887	8.85
81)	TM	Benzo[b] fluoranthe	1.167	1.253	1.235	1.164	1.367	1.181	1.234	5.90
82)	TM	Benzo[k] fluoranthe	1.143	1.153	1.157	1.051	0.956	1.130	1.105	6.79

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report D Instrum

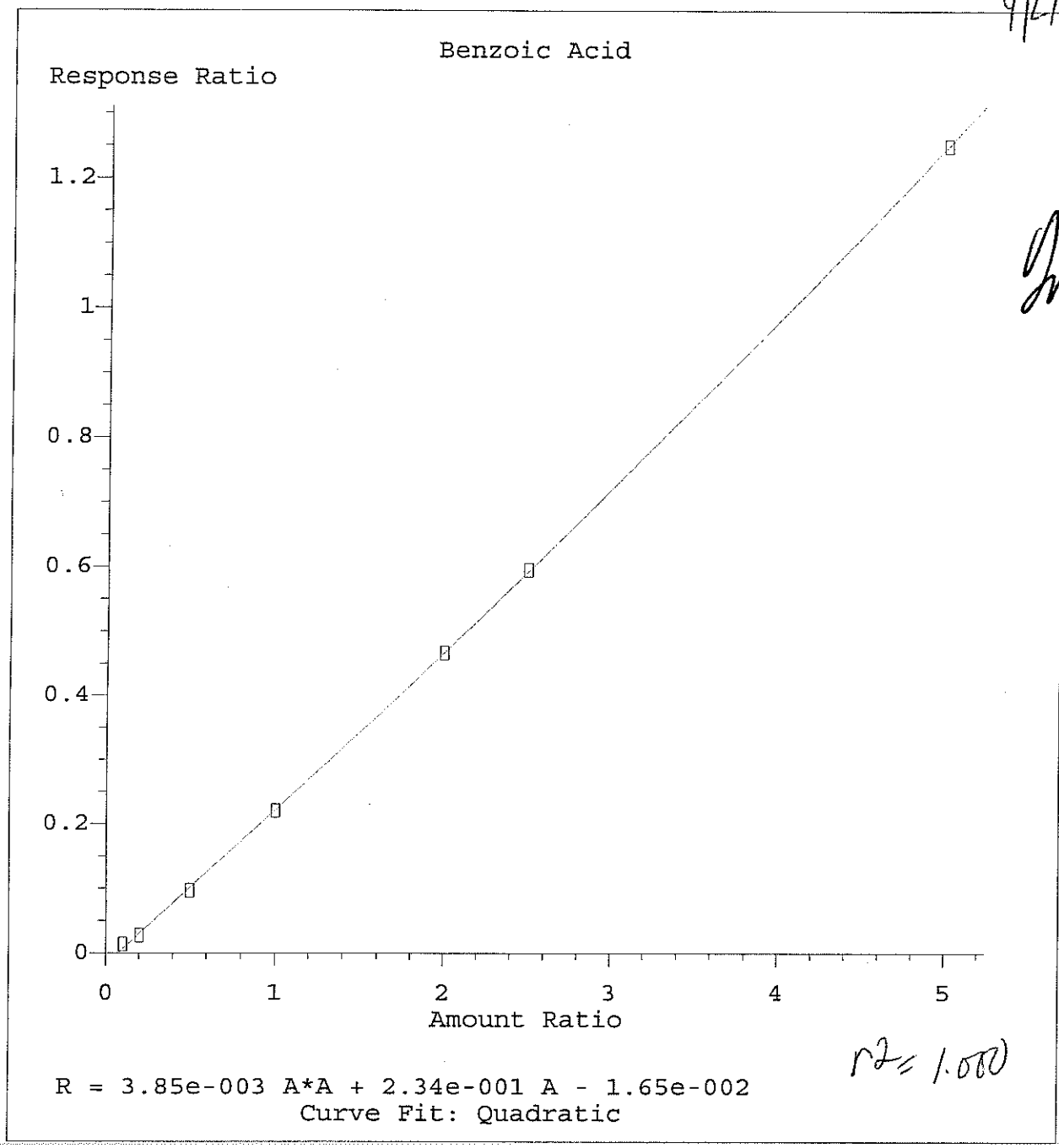
Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:49:30 2006
Response via : Initial Calibration

Calibration Files
1 =D47090SI.D 2 =D47092SI.D 3 =D47093SI.D
4 =D47095SI.D 5 =D47096SI.D 2A =D47091SI.D

	Compound	1	2	3	4	5	2A	Avg	%RSD
83)	TCM Benzo[a] pyrene	1.082	1.097	1.109	1.058	1.105	1.065	1.089	1.90
84)	TM Indeno [1,2,3-cd] p	0.967	1.054	1.063	1.057	0.924	0.995	1.037	8.54
85)	TM Dibenz [a,h] anthra	0.973	0.985	1.034	0.981	0.773	0.978	0.963	8.97
86)	TM Benzo(g,h,i) peryl	0.972	1.073	1.088	0.998	0.862	1.007	1.010	7.82

(#) = Out of Range ### Number of calibration levels exceeded format ###

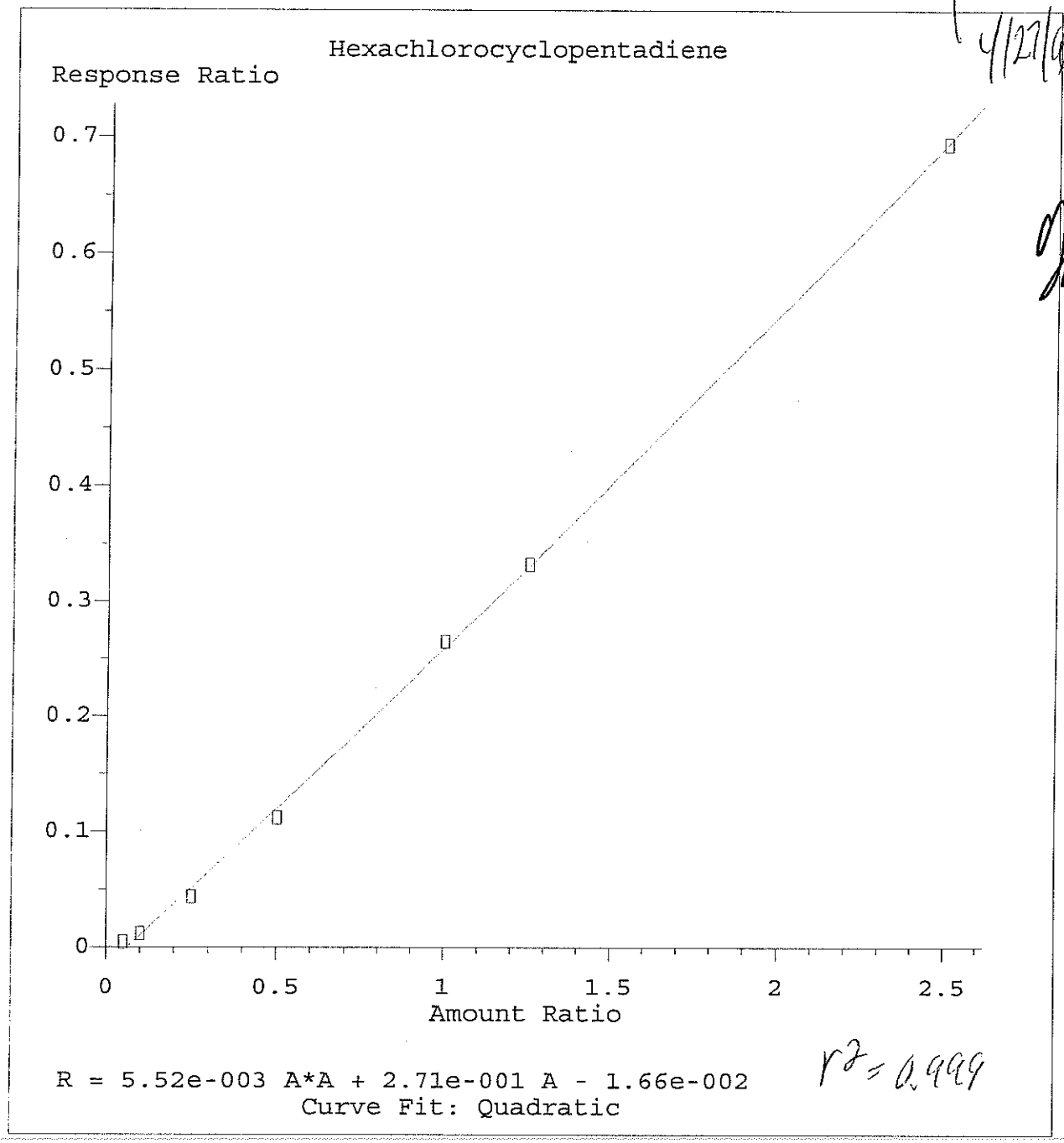
4/27/06



4.27.06

$r^2 = 1.000$

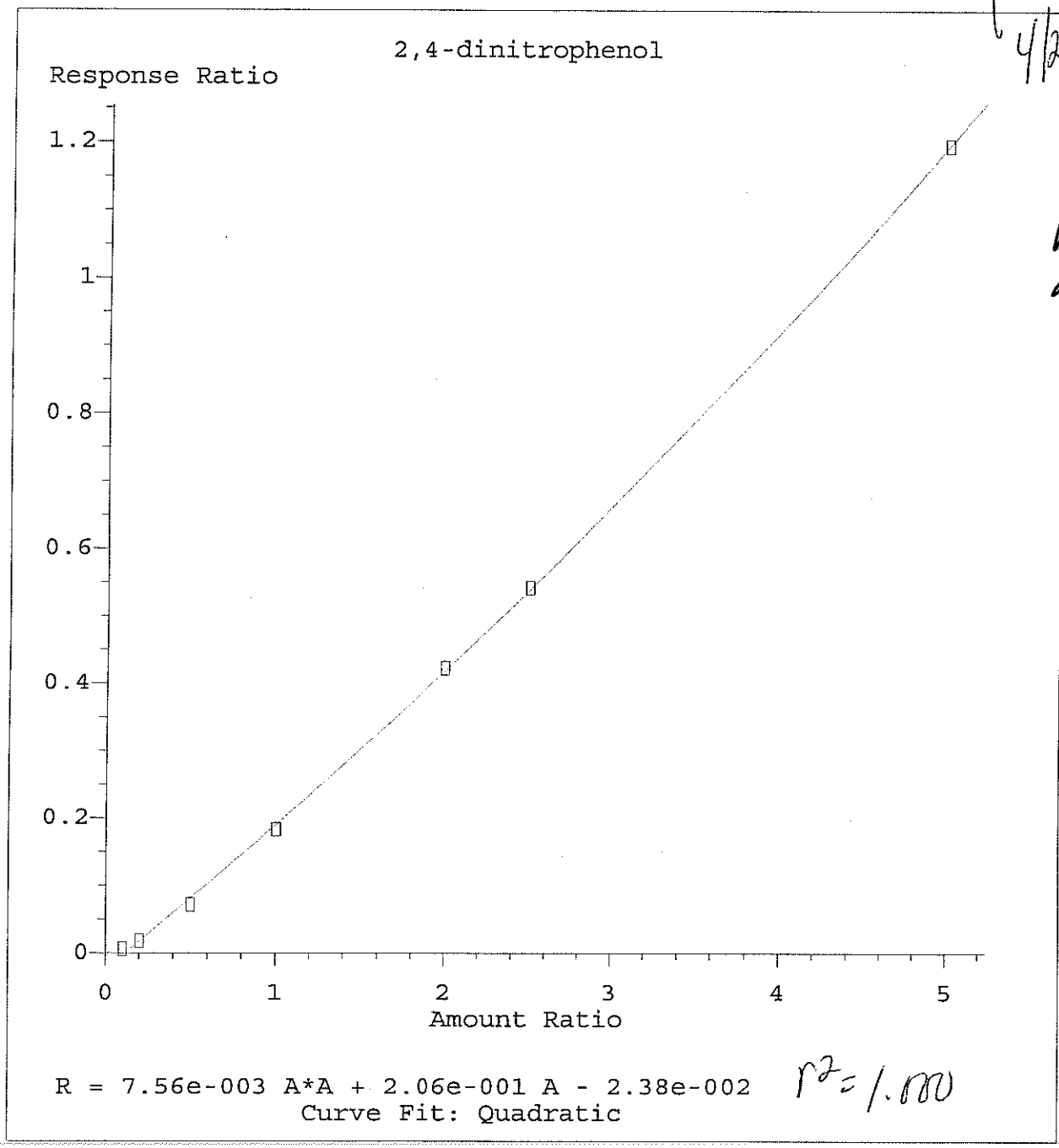
Method Name: D:\HPCHEM\1\METHODS\S04266.M
Calibration Table Last Updated: Wed Apr 26 20:48:01 2006



4/27/06

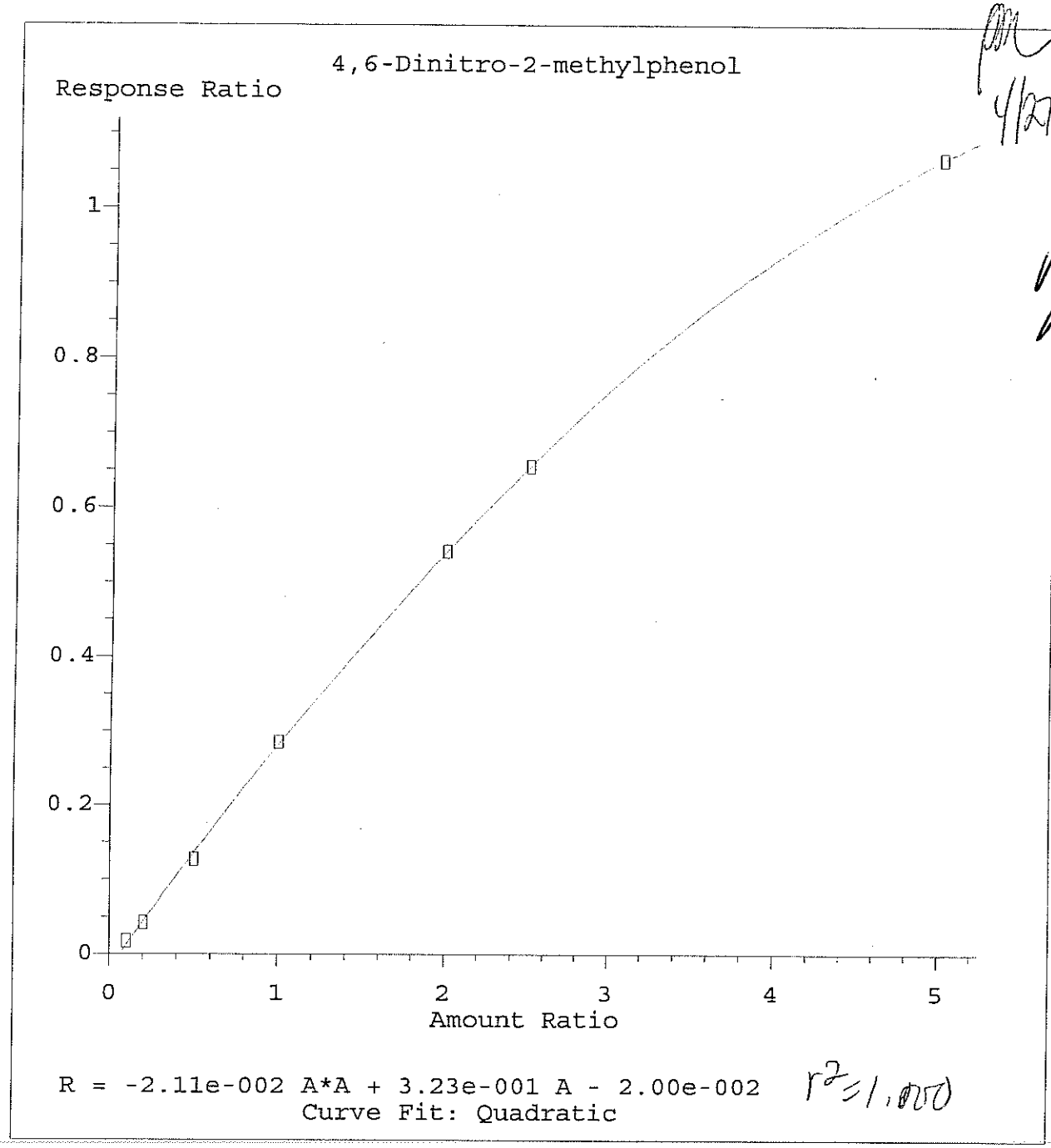
4-27-06

Method Name: D:\HPCHEM\1\METHODS\S04266.M
Calibration Table Last Updated: Wed Apr 26 20:48:52 2006



$r^2 = 1.000$

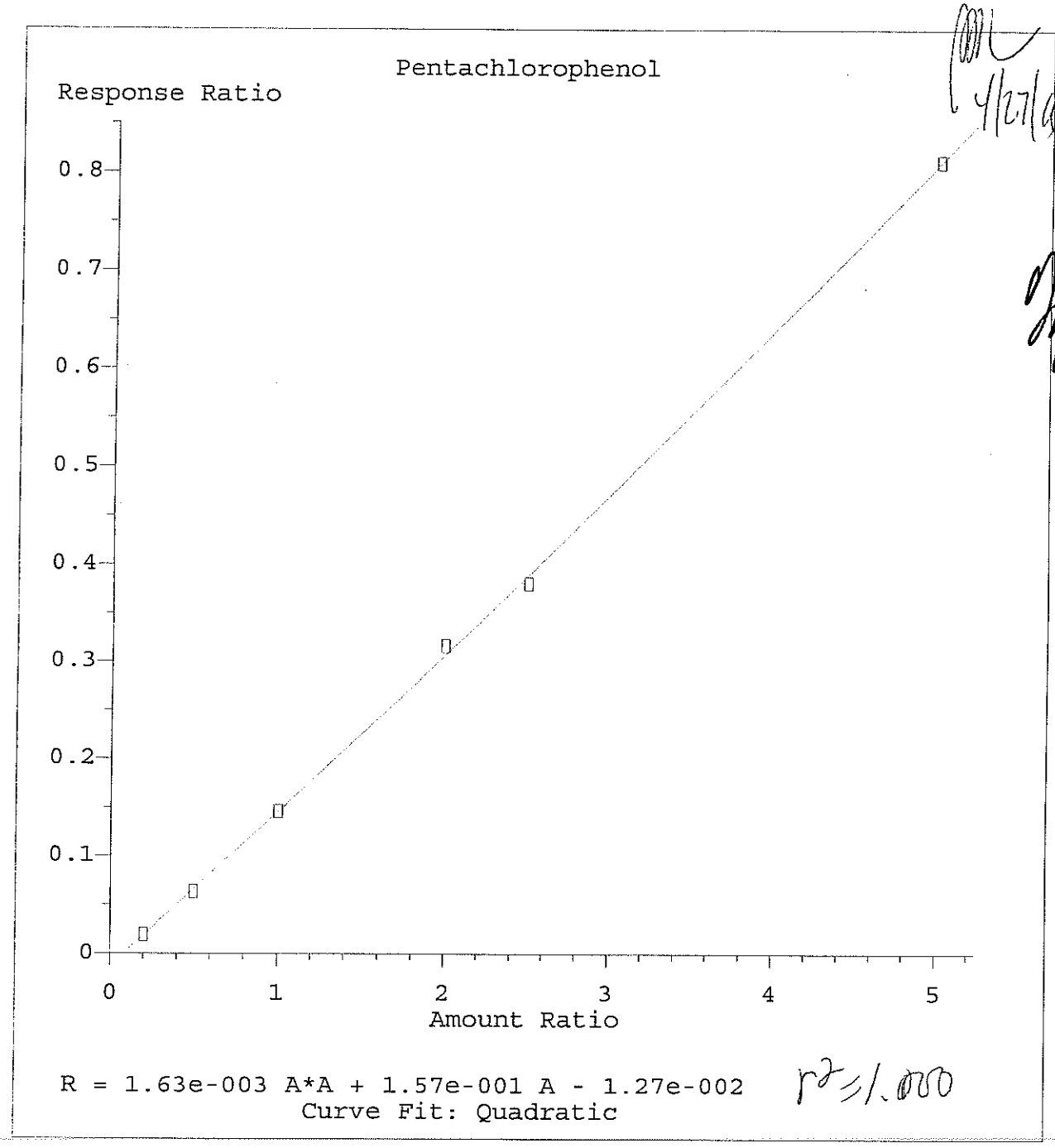
Method Name: D:\HPCHEM\1\METHODS\S04266.M
Calibration Table Last Updated: Wed Apr 26 20:49:00 2006



4/27/06

4-27-06

Method Name: D:\HPCHEM\1\METHODS\S04266.M
Calibration Table Last Updated: Wed Apr 26 20:49:09 2006



4/27/06

4-27-06

$r^2 = 1.000$

Method Name: D:\HPCHEM\1\METHODS\S04266.M
Calibration Table Last Updated: Wed Apr 26 20:49:21 2006

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47090SI.D Vial: 2
Acq On : 26 Apr 2006 12:34 pm Operator:
Sample : S6745 PT1 2/4 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 19:58 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4.27.06 4/27/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.80	152	599159	40.00	ug/ml	0.00
19) d8-Naphthalene	8.73	136	2153498	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.02	164	973021	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.59	188	1637528	40.00	ug/ml	0.00
71) d12-Chrysene	23.05	240	1432131	40.00	ug/ml	-0.01
79) d12-Perylene	27.08	264	1214971	40.00	ug/ml	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	3.54	112	81364	3.92	ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 5.23%#			
5) d5-Phenol	5.48	99	109594	4.86	ug/ml	0.05
Spiked Amount 75.000	Range 22 - 110		Recovery = 6.48%#			
20) d5-nitrobenzene	7.12	82	97724	4.00	ug/ml	0.00
Spiked Amount 50.000	Range 45 - 107		Recovery = 8.00%#			
39) 2-Fluorobiphenyl	11.42	172	129380	4.13	ug/ml	-0.01
Spiked Amount 50.000	Range 44 - 102		Recovery = 8.26%#			
60) 2,4,6-Tribromophenol	15.00	330	22337	3.82	ug/ml	-0.01
Spiked Amount 75.000	Range 63 - 127		Recovery = 5.09%#			
73) d14-p-terphenyl	20.54	244	130711	4.19	ug/ml	-0.02
Spiked Amount 50.000	Range 33 - 132		Recovery = 8.38%#			
Target Compounds						Qvalue
2) Pyridine	1.56	79	64982	1.86	ug/ml#	79
3) N-nitrosodimethylamine	1.51	42	41361	2.01	ug/ml	93
6) Aniline	5.22	93	65863	2.12	ug/ml	97
7) Phenol	5.51	94	114610m	4.93	ug/ml	
8) 2-Chlorophenol	5.55	128	88846	4.06	ug/ml	87
9) bis(2-chloroethyl) ether	5.33	93	51092	2.13	ug/ml	93
10) 1,3-Dichlorobenzene	5.71	146	48532	2.10	ug/ml	98
11) 1,4-Dichlorobenzene	5.83	146	46981	2.00	ug/ml#	69
12) 1,2-Dichlorobenzene	6.24	146	41669	1.91	ug/ml	98
13) Benzyl Alcohol	6.23	108	18206	1.52	ug/ml#	74
14) 2-Methylphenol	6.70	108	68471	3.80	ug/ml	97
15) bis(2-chloroisopropyl)ethe	6.52	45	88373	2.04	ug/ml	98
16) 3+4-Methylphenol	7.05	108	78314	4.15	ug/ml	96
17) Hexachloroethane	6.91	117	18807	2.04	ug/ml	91
18) N-nitroso-di-n-propylamine	6.85	70	36521	2.39	ug/ml	98
21) Nitrobenzene	7.17	123	23359	2.03	ug/ml	95
22) Isophorone	7.70	82	82771	2.24	ug/ml	98
23) 2-Nitrophenol	7.91	139	46898	3.68	ug/ml	95
24) 2,4-Dimethylphenol	8.20	107	75069	4.04	ug/ml	98
25) Bis(2-chloroethoxy)methane	8.28	93	50167	2.00	ug/ml	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47090SI.D Vial: 2
Acq On : 26 Apr 2006 12:34 pm Operator:
Sample : S6745 PT1 2/4 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 19:58 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 2,4-Dichlorophenol	8.66	162	56872	3.84 ug/ml	91
27) Benzoic Acid	8.54	105	29497m	4.24 ug/ml	
28) 1,2,4-Trichlorobenzene	8.64	180	29241	1.92 ug/ml	98
29) Naphthalene	8.78	128	110771	2.03 ug/ml	99
30) 2,6-Dichlorophenol	9.07	162	55970	3.82 ug/ml	94
31) 4-Chloroaniline	9.04	127	49854	2.04 ug/ml	97
32) Hexachlorobutadiene	9.22	225	17305	1.85 ug/ml	97
33) 4-Chloro-3-methylphenol	10.52	107	58754m	3.81 ug/ml	
34) 2-Methylnaphthalene	10.45	141	60745	1.92 ug/ml	96
36) Hexachlorocyclopentadiene	11.00	237	4494	0.90 ug/ml	97
37) 2,4,6-Trichlorophenol	11.33	196	38190	4.00 ug/ml	95
38) 2,4,5-Trichlorophenol	11.62	196	39298	3.92 ug/ml	98
40) 2-Chloronaphthalene	11.61	162	61549	2.06 ug/ml	96
41) 2-Nitroaniline	12.04	138	25940	1.86 ug/ml#	84
42) 2,6-Dinitrotoluene	12.73	165	16883	2.18 ug/ml	96
43) Dimethyl Phthalate	12.56	163	73249	2.35 ug/ml	99
44) Acenaphthylene	12.64	152	99027	2.06 ug/ml	100
45) 3-Nitroaniline	13.08	138	21316	1.97 ug/ml	84
46) Acenaphthene	13.09	154	57104	2.08 ug/ml	97
47) 2,4-dinitrophenol	13.34	184	6348m	1.95 ug/ml	
48) Dibenzofuran	13.48	168	82961	2.08 ug/ml	95
49) 4-Nitrophenol	14.11	109	14089m	4.45 ug/ml	
50) 2,4-Dinitrotoluene	13.68	165	20275	2.06 ug/ml	97
51) 2,3,4,6-Tetrachlorophenol	14.02	232	25837	3.52 ug/ml	97
52) Fluorene	14.32	166	64637	2.06 ug/ml	95
53) Diethyl Phthalate	14.28	149	76467	2.33 ug/ml	98
54) 4-Chlorophenyl phenyl eth	14.37	204	32309	2.07 ug/ml	94
55) 4-Nitroaniline	14.58	138	20083	2.17 ug/ml	96
56) 4,6-Dinitro-2-methylphenol	14.66	198	17461	3.30 ug/ml	93
57) n-nitrosodiphenylamine	14.70	169	42177	2.22 ug/ml	89
58) Azobenzene	14.74	77	100618	2.06 ug/ml	96
59) Biphenyl	11.62	154	82387	2.15 ug/ml	95
62) 4-bromophenyl phenyl ether	15.54	248	19990	2.08 ug/ml	99
63) Hexachlorobenzene	15.86	284	20945	1.94 ug/ml#	91
64) Pentachlorophenol	16.40	266	10374	1.82 ug/ml	88
65) Phenanthrene	16.64	178	89214	2.05 ug/ml	99
66) Anthracene	16.74	178	90174	2.18 ug/ml	99
67) Carbazole	17.23	167	84316	2.33 ug/ml	97
68) Di-n-butyl phthalate	18.24	149	130249	2.17 ug/ml	99
69) Fluoranthene	19.54	202	95837	2.24 ug/ml	98
70) Benzidine	19.96	184	39402	3.67 ug/ml	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47090SI.D Vial: 2
Acq On : 26 Apr 2006 12:34 pm Operator:
Sample : S6745 PT1 2/4 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 19:58 2006 Quant Results File: S04266.RES

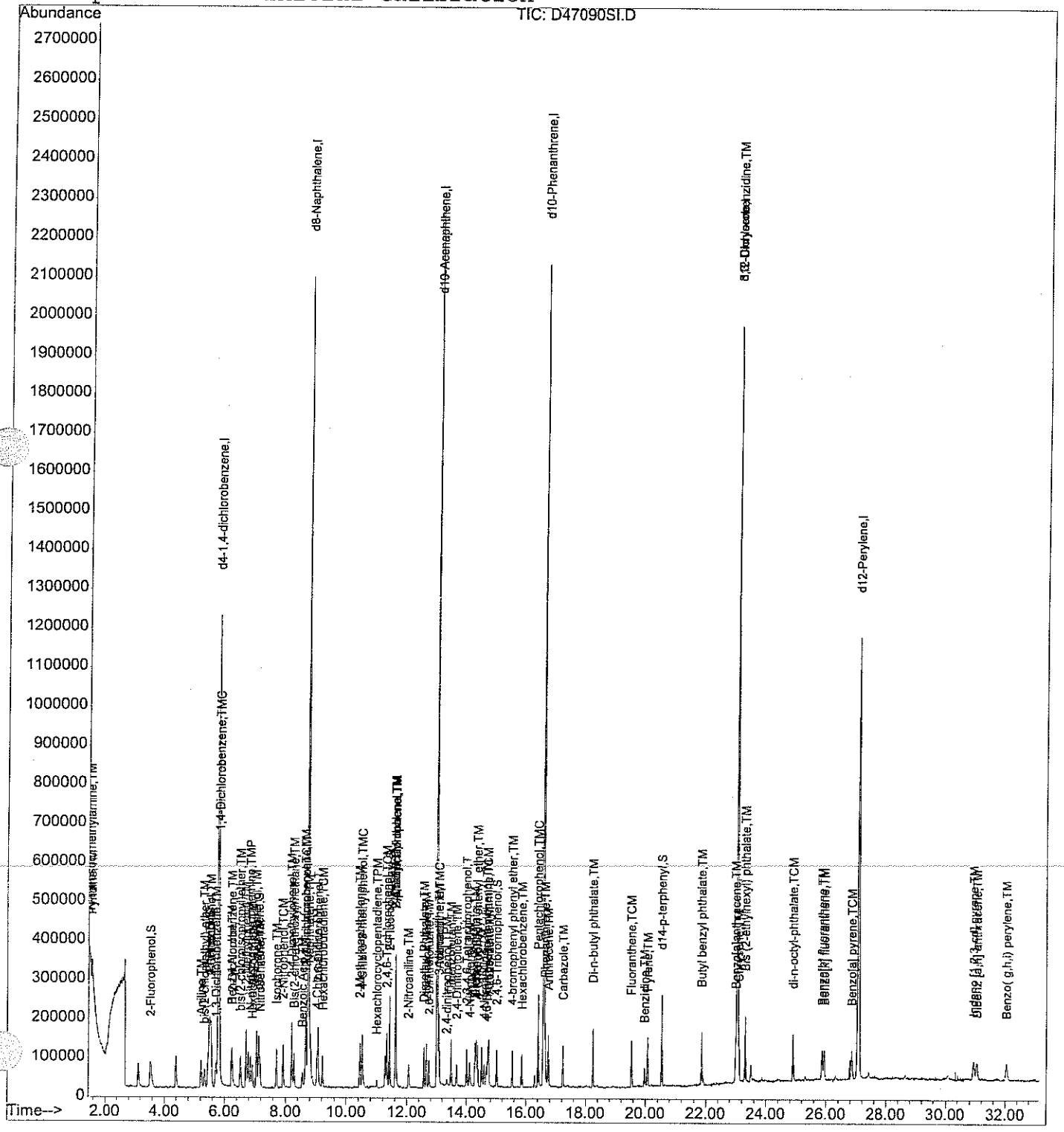
Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
72) Pyrene	20.07	202	96451	2.06 ug/ml	97
74) Butyl benzyl phthalate	21.85	149	54061	1.90 ug/ml	100
75) Benzo[a]anthracene	22.99	228	84744	2.01 ug/ml	98
76) Chrysene	23.10	228	78209	2.03 ug/ml	97
77) 3,3'-Dichlorobenzidine	23.04	252	28088	1.84 ug/ml#	92
78) Bis (2-ethylhexyl) phthala	23.30	149	74479	1.92 ug/ml	100
80) di-n-octyl-phthalate	24.91	149	117874	2.02 ug/ml	96
81) Benzo[b] fluoranthene	25.87	252	70912	2.18 ug/ml	96
82) Benzo[k] fluoranthene	25.94	252	69438	1.96 ug/ml	98
83) Benzo[a] pyrene	26.85	252	65729	2.26 ug/ml	96
84) Indeno [1,2,3-cd] pyrene	30.93	276	58746m	1.97 ug/ml	
85) Dibenz [a,h] anthracene	31.05	278	59119	2.24 ug/ml#	87
86) Benzo(g,h,i) perylene	32.04	276	59032	2.15 ug/ml	96

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042606-D\D47090SI.D Vial: 2
Acq On : 26 Apr 2006 12:34 pm Operator:
Sample : S6745 PT1 2/4 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 19:58 2006 Quant Results File: S04266.RES

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Initial Calibration



Quantitation Report (Qedit)

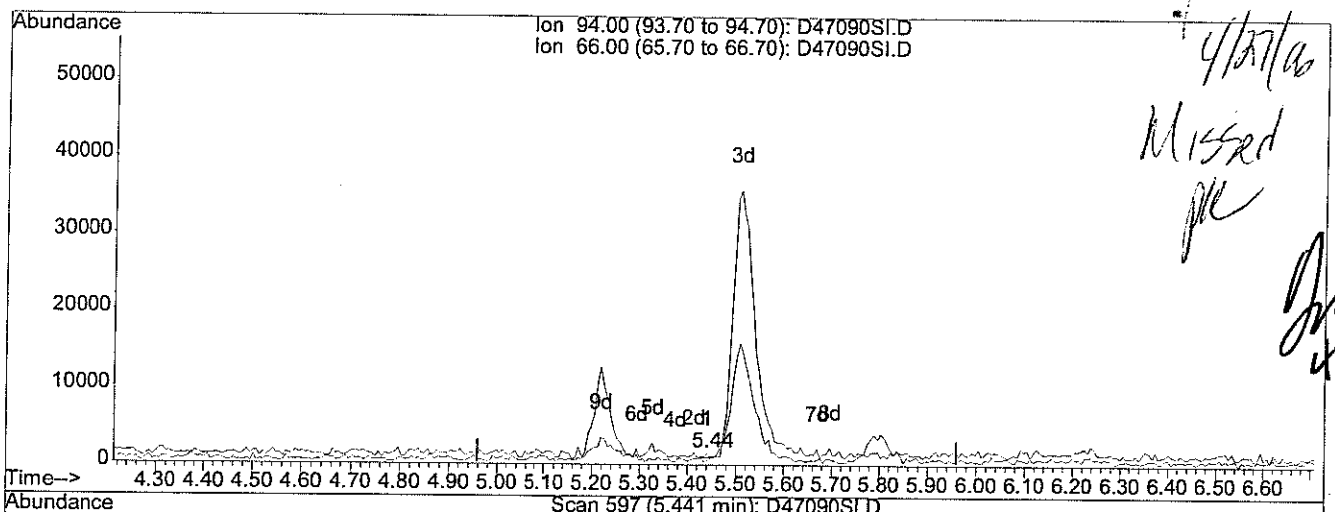
Data File : D:\HPCHEM\1\DATA\042606-D\D47090SI.D
Acq On : 26 Apr 2006 12:34 pm
Sample : S6745 PT1 2/4
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 19:18 2006

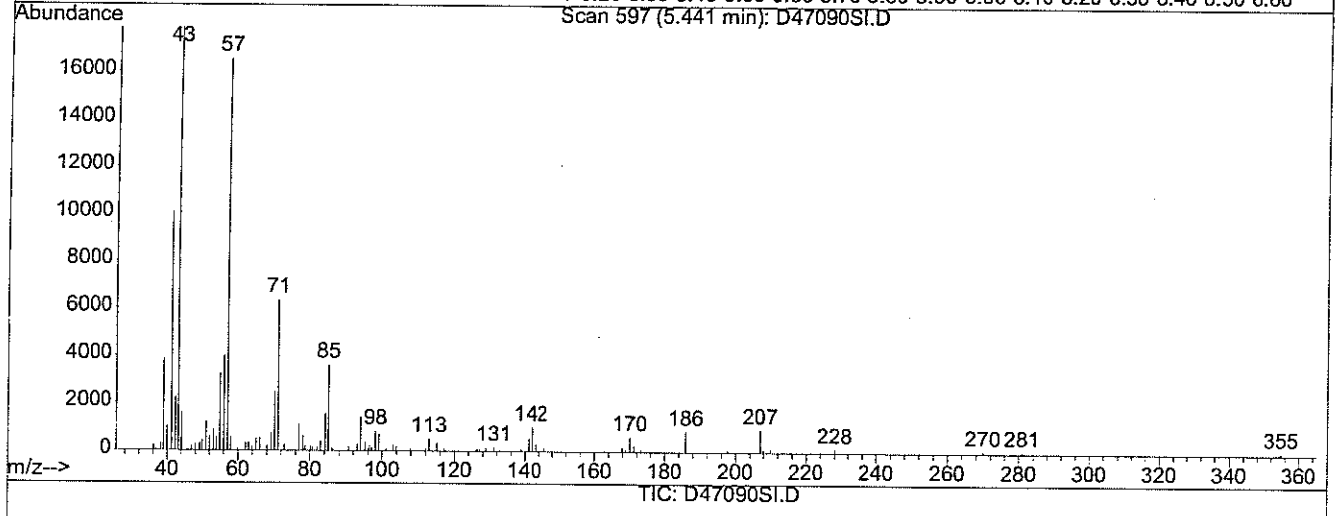
Vial: 2
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Multiple Level Calibration

4/27/06
Missed pk
4-27-06





(7) Phenol (TMC)

5.44min 0.01ug/ml

response 277

Ion	Exp%	Act%
94.00	100	100
66.00	45.30	244.04#
0.00	0.00	0.00
0.00	0.00	0.00

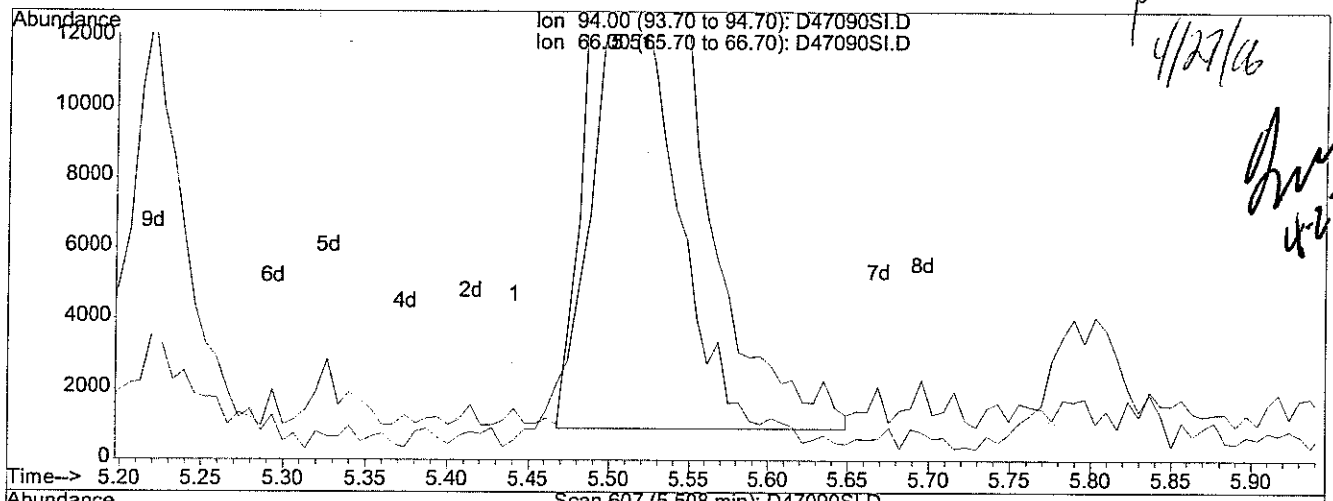
Quantitation Report (Qedit)

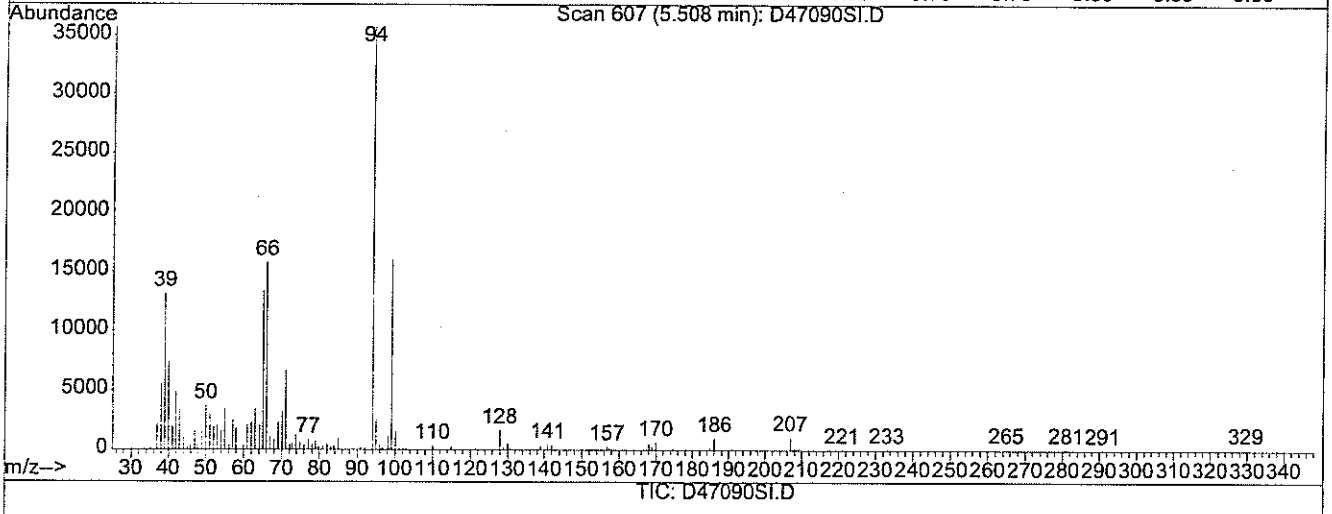
Data File : D:\HPCHEM\1\DATA\042606-D\D47090SI.D Vial: 2
Acq On : 26 Apr 2006 12:34 pm Operator:
Sample : S6745 PT1 2/4 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 19:56 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Multiple Level Calibration

4/27/06

4-27-06





TIC: D47090SI.D

(7) Phenol (TMC)

5.51min 4.93ug/ml m

response 114610

Ion	Exp%	Act%
94.00	100	100
66.00	45.30	0.59#
0.00	0.00	0.00
0.00	0.00	0.00

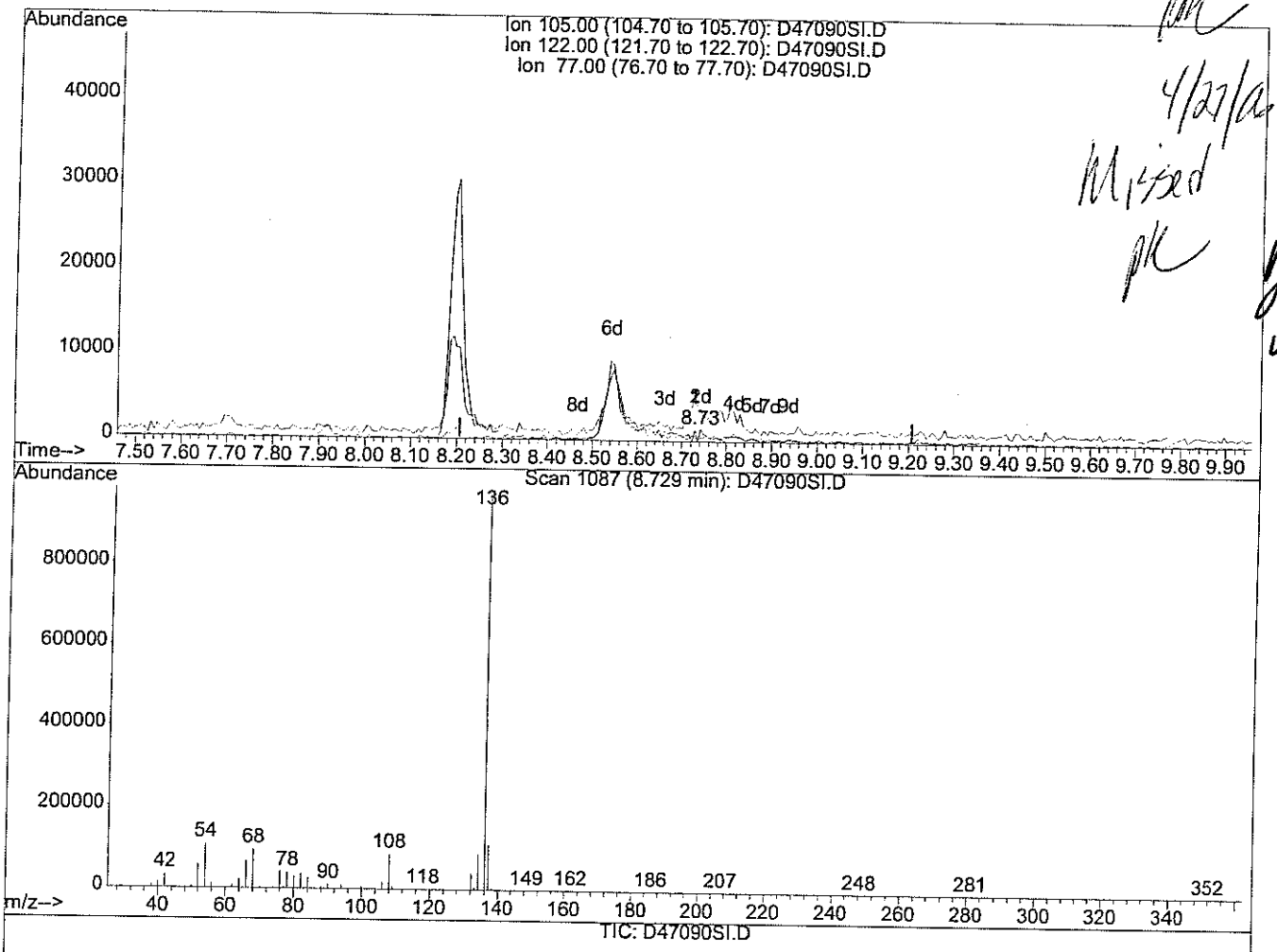
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47090SI.D
Acq On : 26 Apr 2006 12:34 pm
Sample : S6745 PT1 2/4
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 19:56 2006

Vial: 2
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Multiple Level Calibration



4/27/a
Mixed
PK
4-27-06

(27) Benzoic Acid (TM)

8.73min 0.08ug/ml

response 548

Ion	Exp%	Act%
105.00	100	100
122.00	84.40	56.75#
77.00	88.30	1313.87#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47090SI.D
Acq On : 26 Apr 2006 12:34 pm
Sample : S6745 PT1 2/4
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 19:56 2006

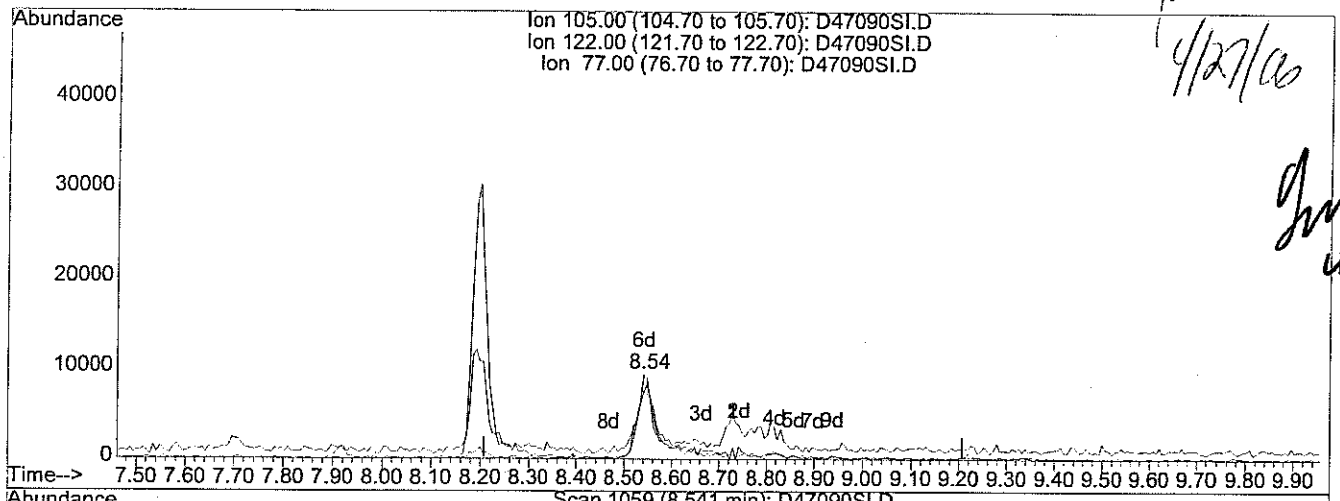
Vial: 2
Operator:
Inst : D Instrum
Multiplr: 1.00

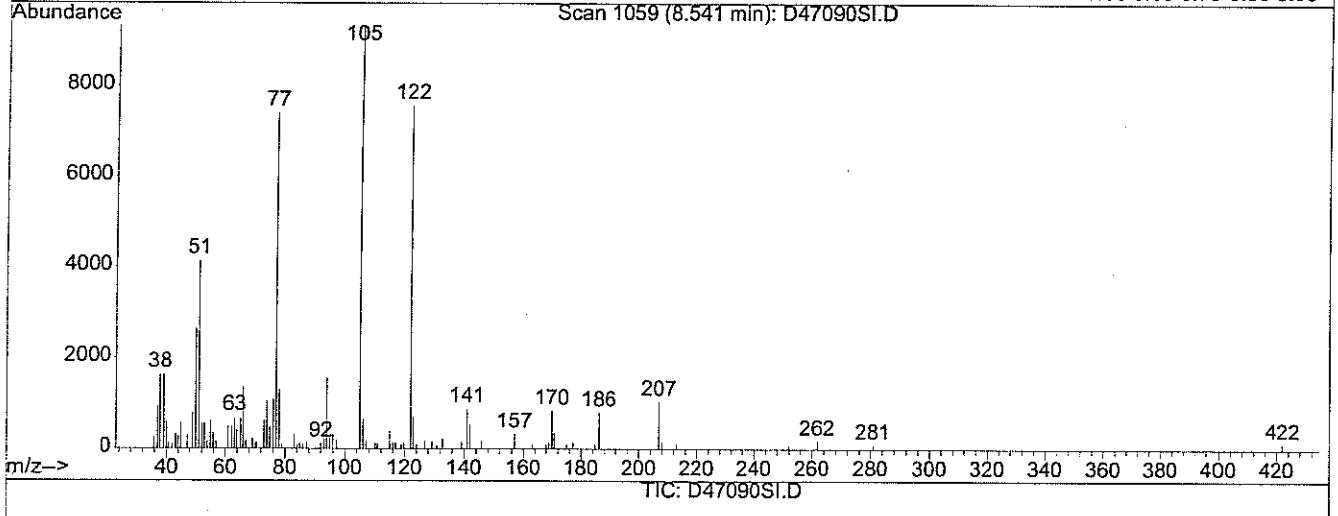
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Multiple Level Calibration

4/27/06

4.27.06





(27) Benzoic Acid (TM)

8.54min 4.24ug/ml m

response 29497

Ion	Exp%	Act%
105.00	100	100
122.00	84.40	1.05#
77.00	88.30	24.41#
0.00	0.00	0.00

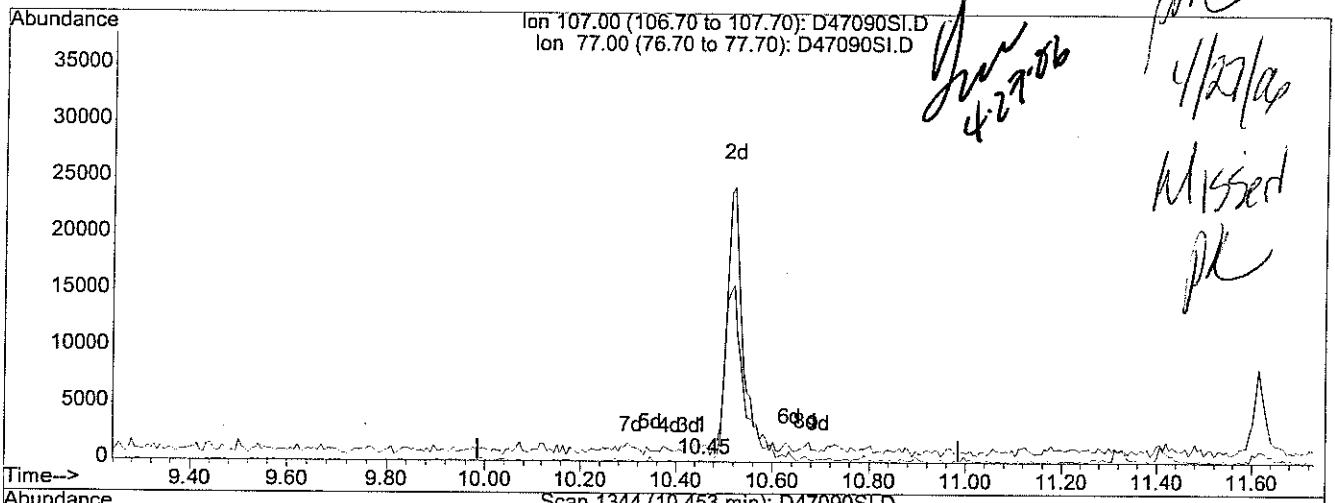
Quantitation Report (Qedit)

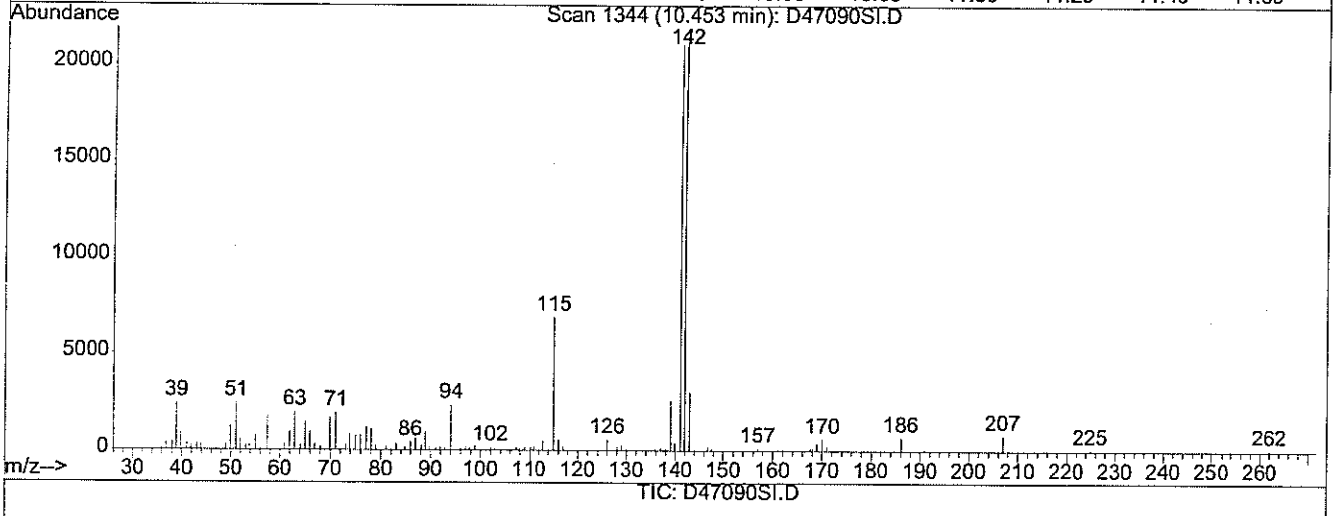
Data File : D:\HPCHEM\1\DATA\042606-D\D47090SI.D
Acq On : 26 Apr 2006 12:34 pm
Sample : S6745 PT1 2/4
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 19:56 2006

Vial: 2
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Multiple Level Calibration





TIC: D47090SI.D

(33) 4-Chloro-3-methylphenol (TMC)

10.45min 0.00ug/ml

response 69

Ion	Exp%	Act%
107.00	100	100
77.00	57.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

4/27/06

Missed pk

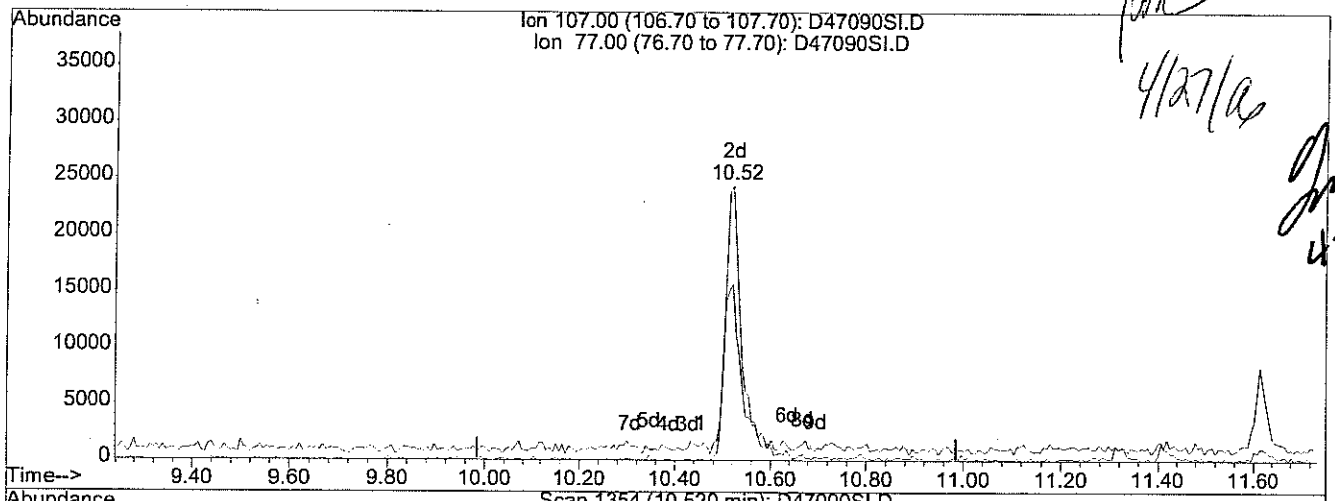
Quantitation Report (Qedit)

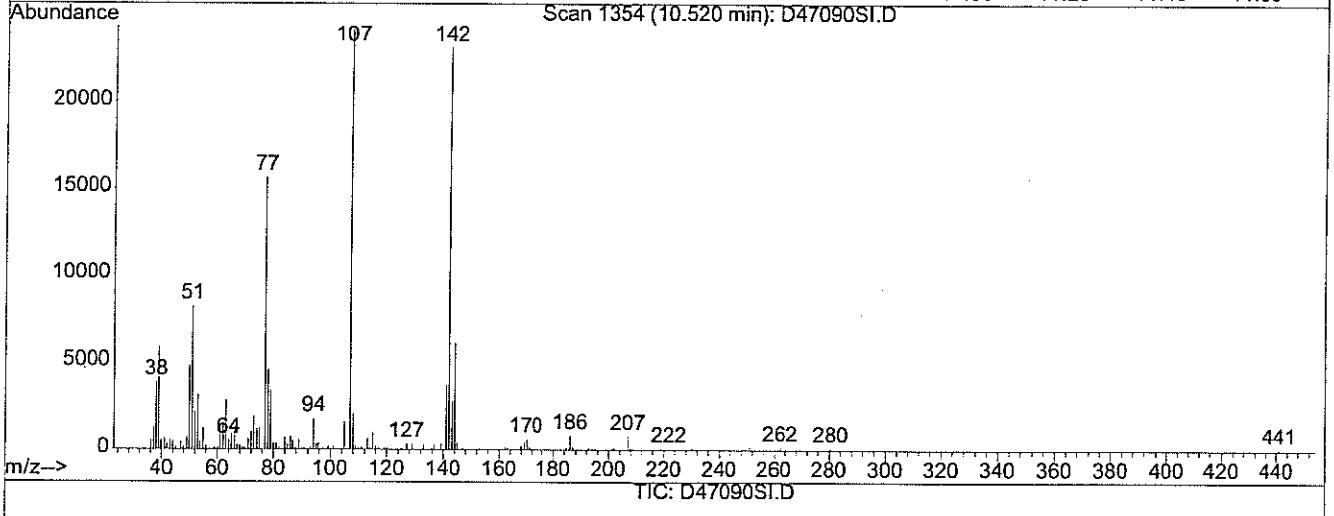
Data File : D:\HPCHEM\1\DATA\042606-D\D47090SI.D Vial: 2
Acq On : 26 Apr 2006 12:34 pm Operator:
Sample : S6745 PT1 2/4 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 19:56 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Multiple Level Calibration

4/27/06

4-27-06





(33) 4-Chloro-3-methylphenol (TMC)

10.52min 3.81ug/ml m

response 58754

Ion	Exp%	Act%
107.00	100	100
77.00	57.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

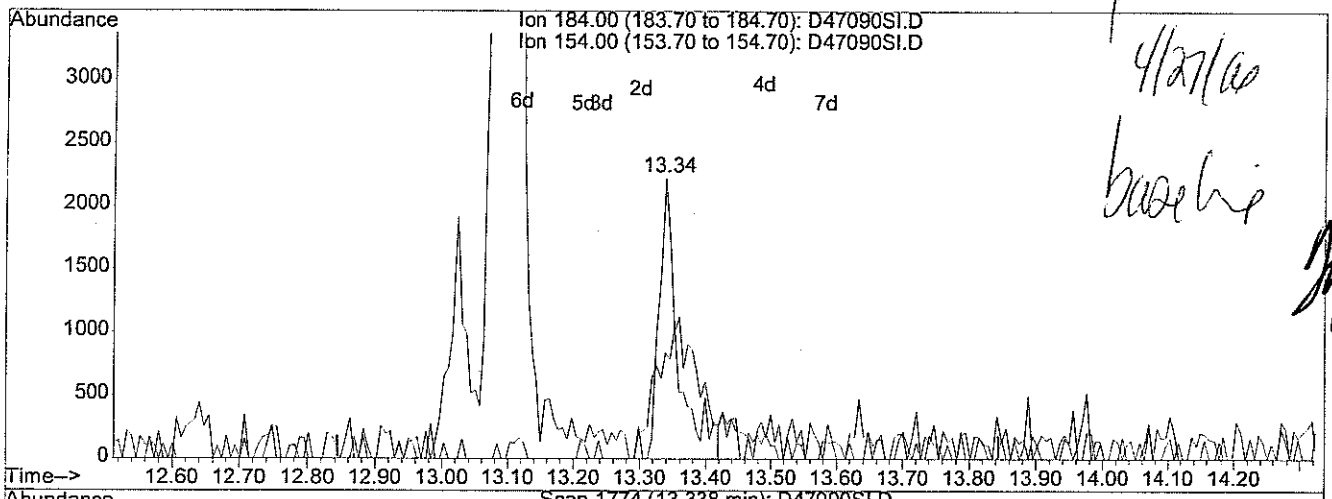
Quantitation Report (Qedit)

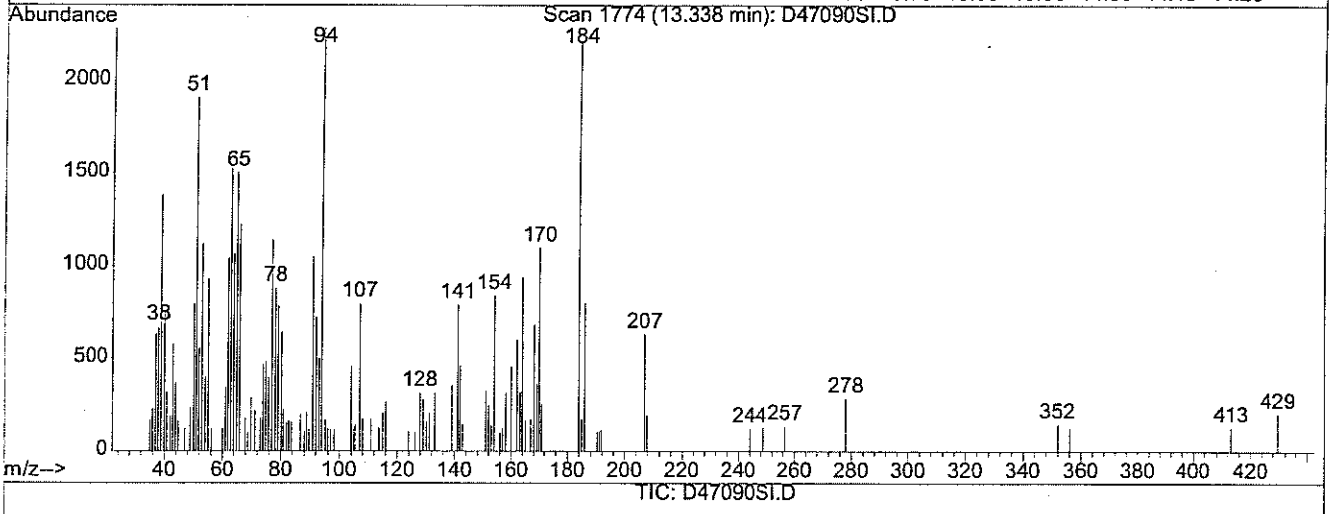
Data File : D:\HPCHEM\1\DATA\042606-D\D47090SI.D Vial: 2
Acq On : 26 Apr 2006 12:34 pm Operator:
Sample : S6745 PT1 2/4 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 19:56 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Multiple Level Calibration

4/27/06

4.27.06





(47) 2,4-dinitrophenol (TPM)

13.34min 1.73ug/ml

response 5636

Ion	Exp%	Act%
184.00	100	100
154.00	40.00	54.58#
0.00	0.00	0.00
0.00	0.00	0.00

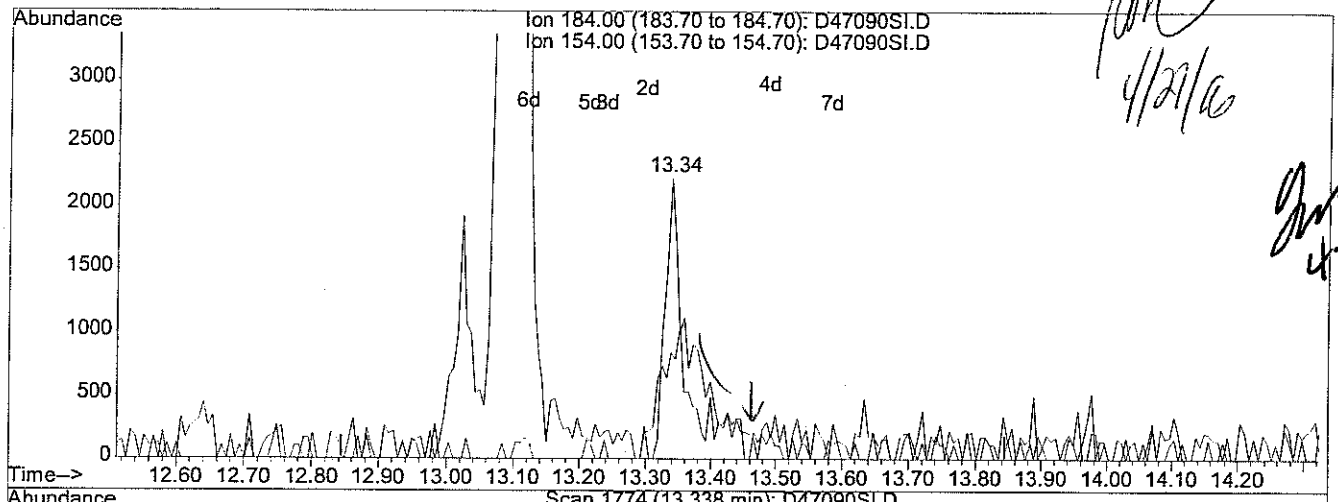
Quantitation Report (Qedit)

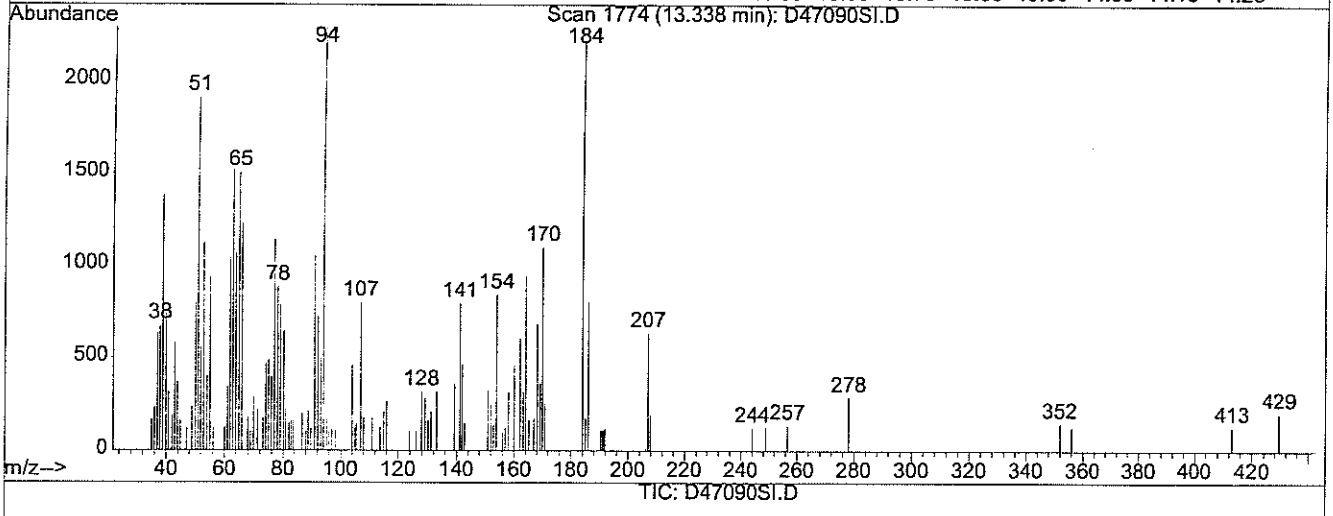
Data File : D:\HPCHEM\1\DATA\042606-D\D47090SI.D
Acq On : 26 Apr 2006 12:34 pm
Sample : S6745 PT1 2/4
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 19:57 2006

Vial: 2
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Multiple Level Calibration





(47) 2,4-dinitrophenol (TPM)

13.34min 1.95ug/ml m

response 6348

Ion	Exp%	Act%
184.00	100	100
154.00	40.00	48.46#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47090SI.D
Acq On : 26 Apr 2006 12:34 pm
Sample : S6745 PT1 2/4
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 19:57 2006

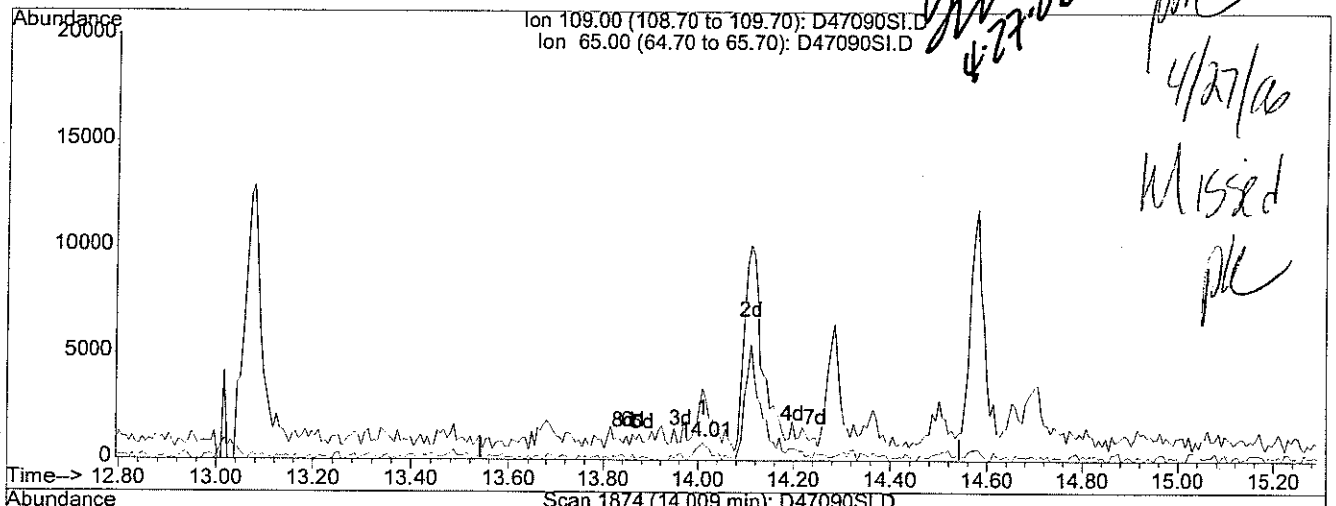
Vial: 2
Operator:
Inst : D Instrum
Multiplr: 1.00

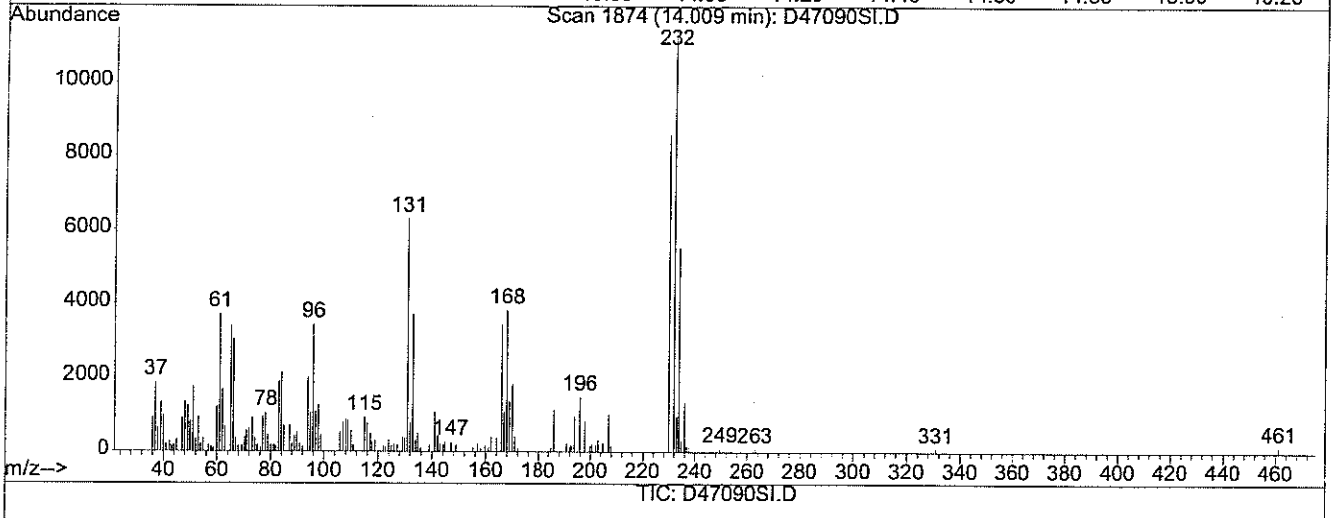
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Multiple Level Calibration

4-27-06

4/27/06
Missed





TIC: D47090SI.D

(49) 4-Nitrophenol (TMP)

14.01min 0.59ug/ml

response 1883

Ion	Exp%	Act%
109.00	100	100
65.00	197.20	230.54
0.00	0.00	0.00
0.00	0.00	0.00

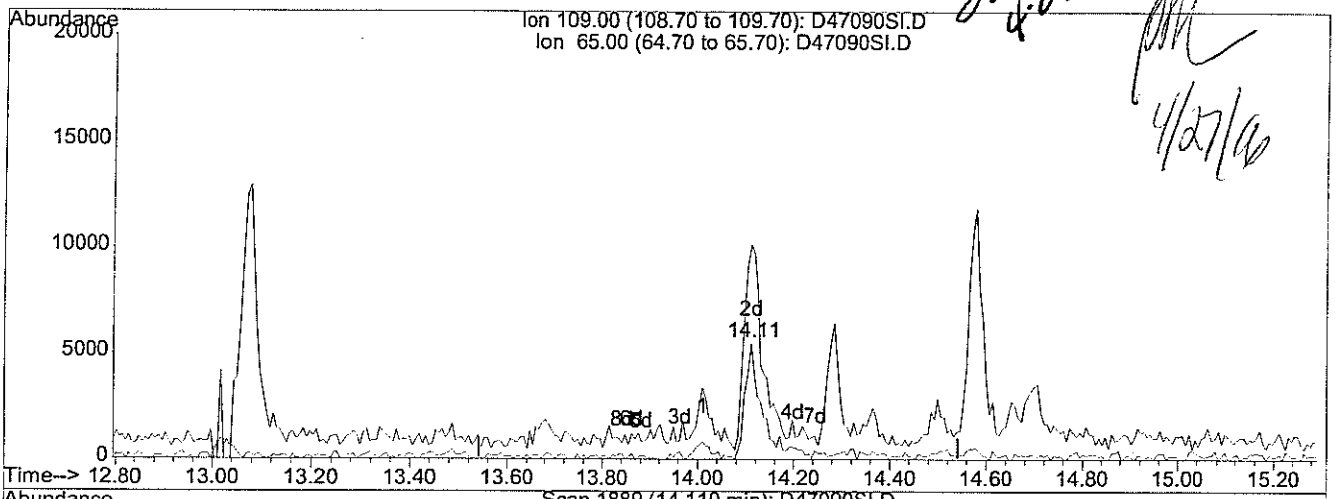
Quantitation Report (Qedit)

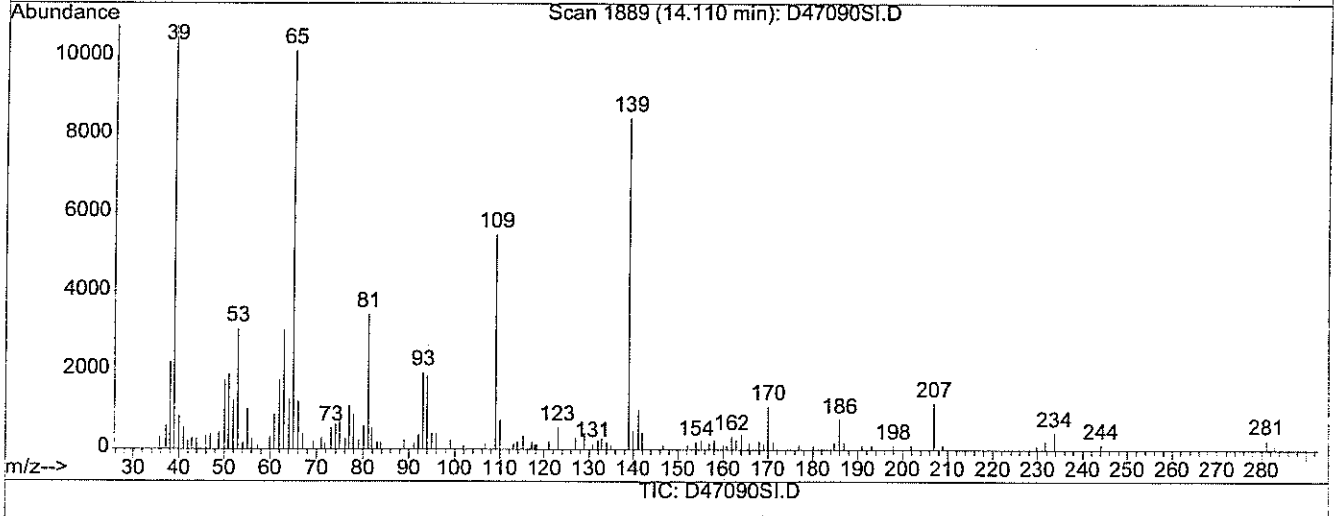
Data File : D:\HPCHEM\1\DATA\042606-D\D47090SI.D Vial: 2
Acq On : 26 Apr 2006 12:34 pm Operator:
Sample : S6745 PT1 2/4 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 19:57 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Multiple Level Calibration

4-27-06

4/27/06





(49) 4-Nitrophenol (TMP)

14.11min 4.45ug/ml m

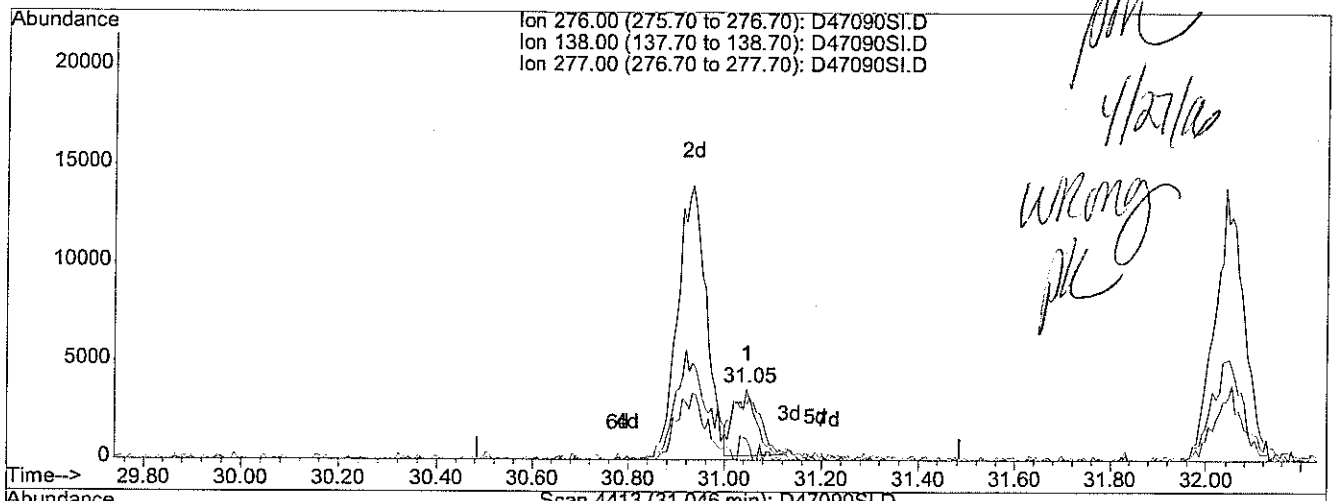
response 14089

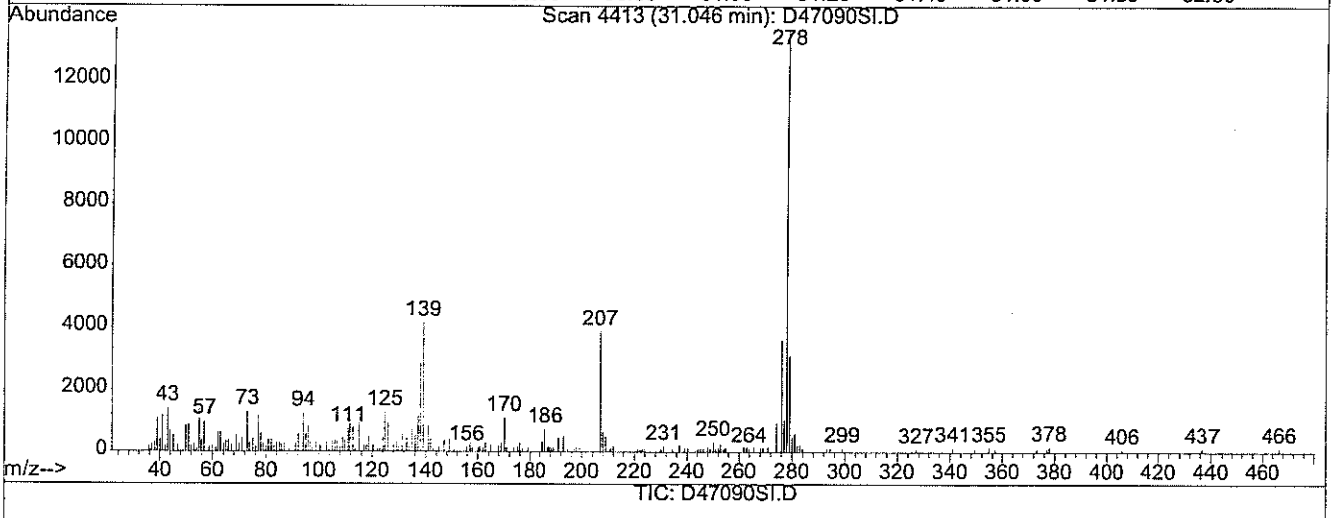
Ion	Exp%	Act%
109.00	100	100
65.00	197.20	30.81#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47090SI.D Vial: 2
Acq On : 26 Apr 2006 12:34 pm Operator:
Sample : S6745 PT1 2/4 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 19:57 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Multiple Level Calibration





TIC: D47090SI.D

(84) Indeno [1,2,3-cd] pyrene (TM)

31.05min 0.42ug/ml

response 12603

Ion	Exp%	Act%
276.00	100	100
138.00	35.80	20.25#
277.00	24.70	13.29#
0.00	0.00	0.00

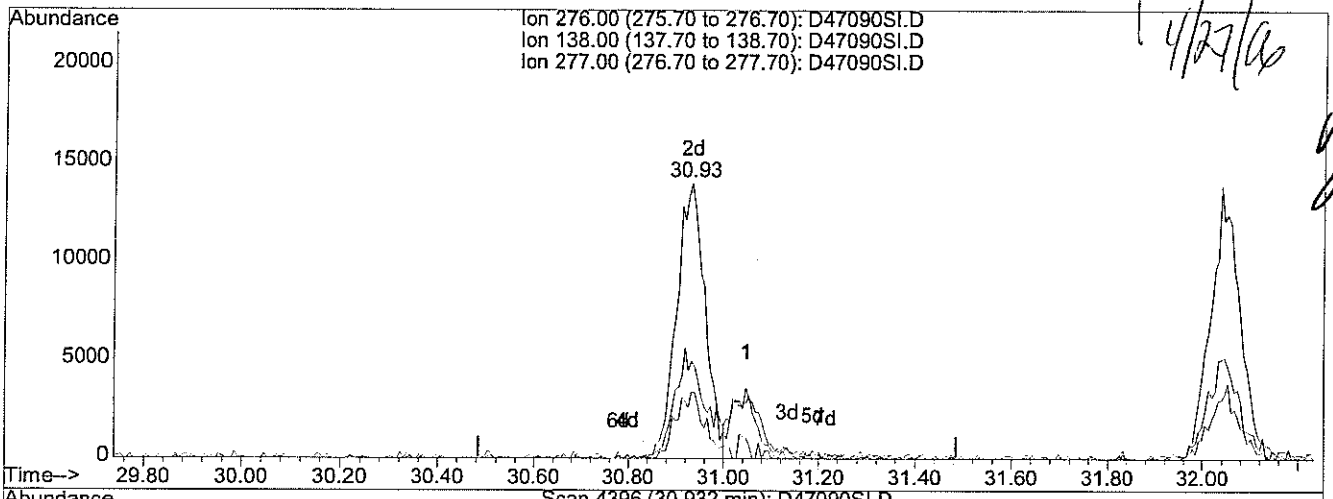
Quantitation Report (Qedit)

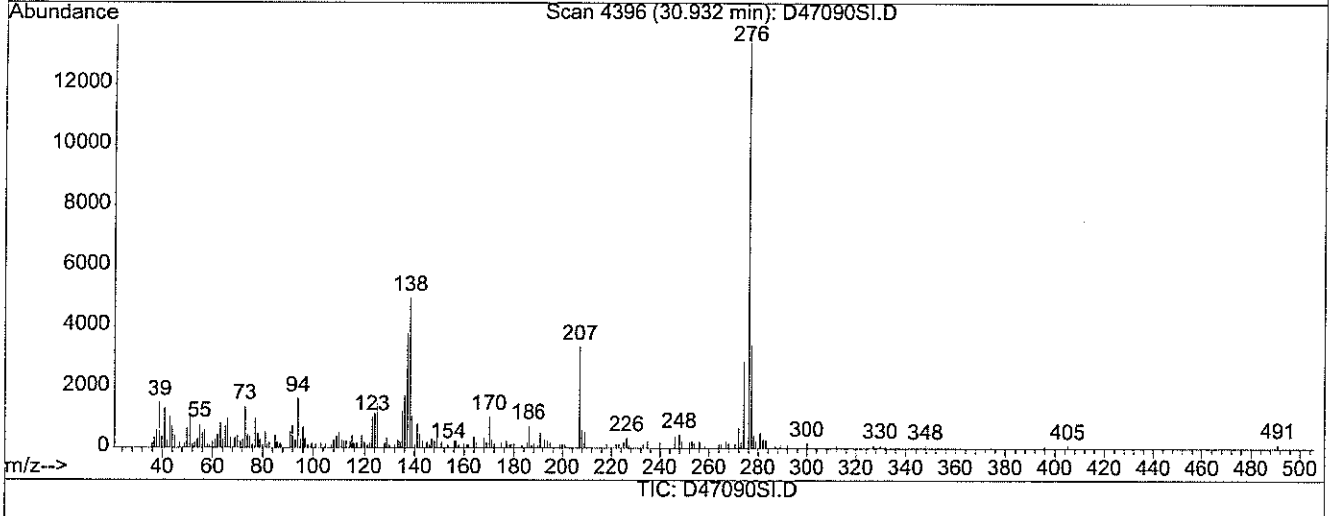
Data File : D:\HPCHEM\1\DATA\042606-D\D47090SI.D Vial: 2
Acq On : 26 Apr 2006 12:34 pm Operator:
Sample : S6745 PT1 2/4 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 19:58 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Multiple Level Calibration

4/27/06

4-27-06





(84) Indeno [1,2,3-cd] pyrene (TM)

30.93min 1.97ug/ml m

response 58746

Ion	Exp%	Act%
276.00	100	100
138.00	35.80	4.34#
277.00	24.70	2.85#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47091SI.D Vial: 3
Acq On : 26 Apr 2006 1:07 pm Operator:
Sample : S6744 PT2A 4/8 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 19:59 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:58:34 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4-27-06 4/27/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.79	152	609724	40.00	ug/ml	0.00
19) d8-Naphthalene	8.73	136	2156714	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.03	164	991735	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.59	188	1682899	40.00	ug/ml	0.00
71) d12-Chrysene	23.05	240	1468695	40.00	ug/ml	0.00
79) d12-Perylene	27.08	264	1266591	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.54	112	164870	7.81	ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 10.41%#			
5) d5-Phenol	5.47	99	214663	9.35	ug/ml	-0.01
Spiked Amount 75.000	Range 22 - 110		Recovery = 12.47%#			
20) d5-nitrobenzene	7.12	82	199396	8.15	ug/ml	0.00
Spiked Amount 50.000	Range 45 - 107		Recovery = 16.30%#			
39) 2-Fluorobiphenyl	11.42	172	267955	8.40	ug/ml	0.00
Spiked Amount 50.000	Range 44 - 102		Recovery = 16.80%#			
60) 2,4,6-Tribromophenol	15.01	330	47494	7.98	ug/ml	0.00
Spiked Amount 75.000	Range 63 - 127		Recovery = 10.64%#			
73) d14-p-terphenyl	20.54	244	260511	8.14	ug/ml	0.00
Spiked Amount 50.000	Range 33 - 132		Recovery = 16.28%#			
Target Compounds						Qvalue
2) Pyridine	1.54	79	127271	3.58	ug/ml	99
3) N-nitrosodimethylamine	1.51	42	90371	4.31	ug/ml	93
6) Aniline	5.22	93	136928	4.33	ug/ml	95
7) Phenol	5.50	94	218117	9.22	ug/ml	96
8) 2-Chlorophenol	5.54	128	179376	8.06	ug/ml	99
9) bis(2-chloroethyl) ether	5.33	93	90211	3.69	ug/ml	92
10) 1,3-Dichlorobenzene	5.71	146	91830	3.91	ug/ml	99
11) 1,4-Dichlorobenzene	5.83	146	96654	4.05	ug/ml	90
12) 1,2-Dichlorobenzene	6.24	146	91731	4.13	ug/ml	98
13) Benzyl Alcohol	6.22	108	44672	3.67	ug/ml	96
14) 2-Methylphenol	6.70	108	152548	8.32	ug/ml	96
15) bis(2-chloroisopropyl)ethe	6.52	45	174762	3.97	ug/ml	99
16) 3+4-Methylphenol	7.04	108	151891	7.90	ug/ml	97
17) Hexachloroethane	6.91	117	38319	4.08	ug/ml	99
18) N-nitroso-di-n-propylamine	6.85	70	72095	4.64	ug/ml	96
21) Nitrobenzene	7.17	123	45282	3.93	ug/ml	95
22) Isophorone	7.70	82	168479	4.55	ug/ml	99
23) 2-Nitrophenol	7.91	139	101673	7.97	ug/ml	99
24) 2,4-Dimethylphenol	8.20	107	154193	8.29	ug/ml	99
25) Bis(2-chloroethoxy)methane	8.28	93	103365	4.12	ug/ml	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47091SI.D Vial: 3
Acq On : 26 Apr 2006 1:07 pm Operator:
Sample : S6744 PT2A 4/8 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 19:59 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:58:34 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 2,4-Dichlorophenol	8.65	162	117717	7.94 ug/ml	99
27) Benzoic Acid	8.57	105	59563	8.55 ug/ml	98
28) 1,2,4-Trichlorobenzene	8.64	180	62877	4.12 ug/ml	98
29) Naphthalene	8.77	128	225146	4.12 ug/ml	100
30) 2,6-Dichlorophenol	9.07	162	123617	8.42 ug/ml	97
31) 4-Chloroaniline	9.03	127	101438	4.14 ug/ml	97
32) Hexachlorobutadiene	9.22	225	40239	4.29 ug/ml	96
33) 4-Chloro-3-methylphenol	10.51	107	126172	8.17 ug/ml	99
34) 2-Methylnaphthalene	10.44	141	121198	3.83 ug/ml	92
36) Hexachlorocyclopentadiene	11.00	237	11834	2.34 ug/ml	98
37) 2,4,6-Trichlorophenol	11.32	196	77254	7.94 ug/ml	99
38) 2,4,5-Trichlorophenol	11.61	196	82181	8.04 ug/ml	96
40) 2-Chloronaphthalene	11.62	162	128792	4.22 ug/ml	98
41) 2-Nitroaniline	12.04	138	56955	4.01 ug/ml	98
42) 2,6-Dinitrotoluene	12.73	165	34206	4.34 ug/ml	94
43) Dimethyl Phthalate	12.56	163	146698	4.62 ug/ml	99
44) Acenaphthylene	12.64	152	203499	4.15 ug/ml	99
45) 3-Nitroaniline	13.07	138	43134	3.91 ug/ml	90
46) Acenaphthene	13.09	154	113169	4.04 ug/ml	96
47) 2,4-dinitrophenol	13.34	184	18242m	5.50 ug/ml	
48) Dibenzofuran	13.48	168	169951	4.18 ug/ml	99
49) 4-Nitrophenol	14.10	109	29217	9.05 ug/ml	85
50) 2,4-Dinitrotoluene	13.68	165	42413	4.23 ug/ml	98
51) 2,3,4,6-Tetrachlorophenol	14.01	232	53756	7.19 ug/ml	96
52) Fluorene	14.31	166	129045	4.04 ug/ml	94
53) Diethyl Phthalate	14.29	149	153627	4.59 ug/ml	100
54) 4-Chlorophenyl phenyl eth	14.36	204	66165	4.16 ug/ml	96
55) 4-Nitroaniline	14.58	138	44122	4.68 ug/ml	99
56) 4,6-Dinitro-2-methylphenol	14.66	198	42001	7.78 ug/ml	100
57) n-nitrosodiphenylamine	14.70	169	91102	4.71 ug/ml	90
58) Azobenzene	14.74	77	204199	4.09 ug/ml#	91
59) Biphenyl	11.62	154	161654	4.14 ug/ml	98
62) 4-bromophenyl phenyl ether	15.54	248	38041	3.86 ug/ml	96
63) Hexachlorobenzene	15.86	284	44311	3.99 ug/ml	94
64) Pentachlorophenol	16.40	266	32729m	5.58 ug/ml	
65) Phenanthrene	16.64	178	178179	3.99 ug/ml	100
66) Anthracene	16.74	178	178822	4.21 ug/ml	99
67) Carbazole	17.23	167	169417	4.56 ug/ml	99
68) Di-n-butyl phthalate	18.25	149	256905	4.16 ug/ml	98
69) Fluoranthene	19.54	202	187630	4.26 ug/ml	99
70) Benzidine	19.96	184	84509	7.66 ug/ml	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47091SI.D Vial: 3
Acq On : 26 Apr 2006 1:07 pm Operator:
Sample : S6744 PT2A 4/8 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 19:59 2006 Quant Results File: S04266.RES

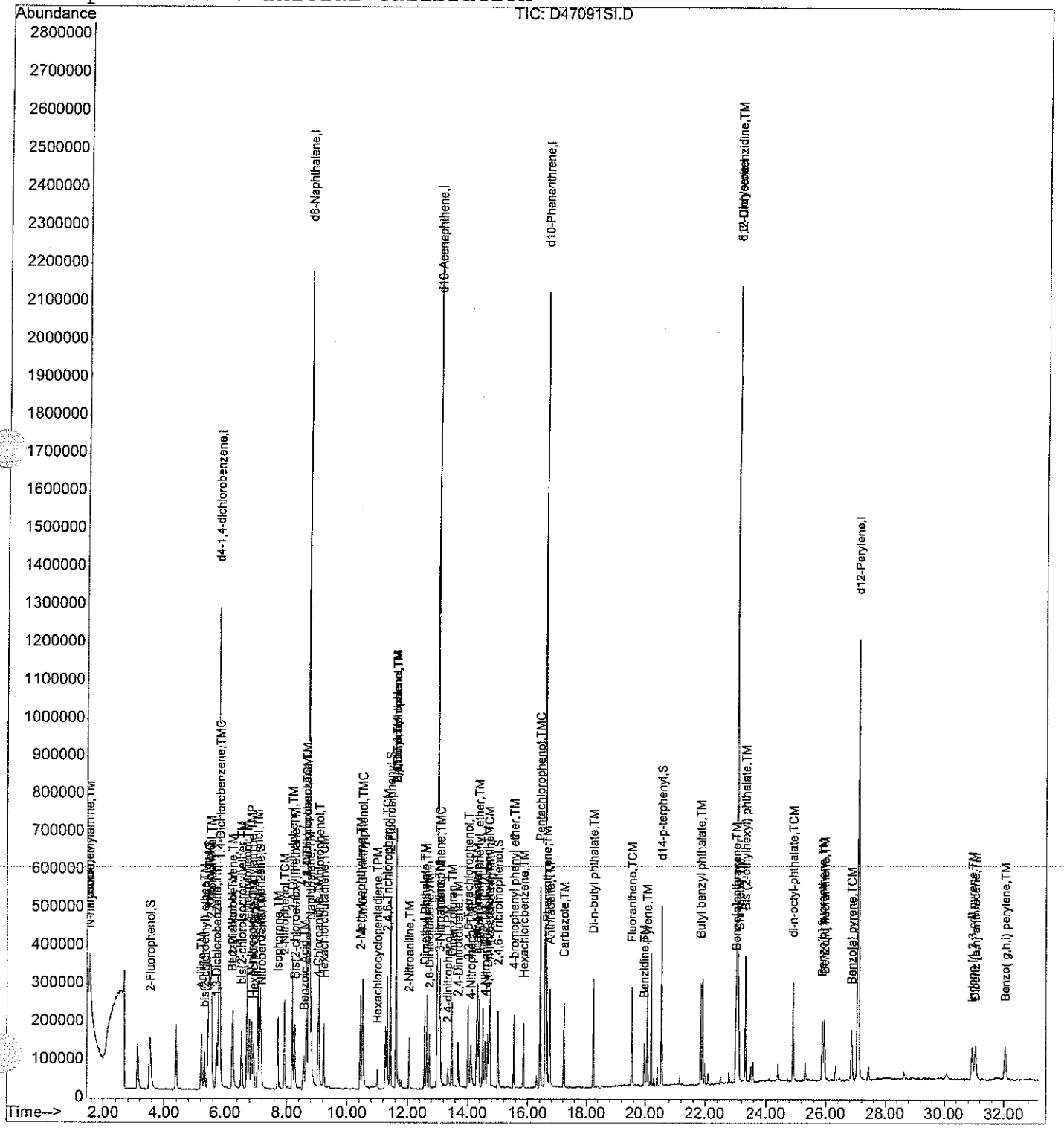
Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:58:34 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
72) Pyrene	20.07	202	190276	3.96 ug/ml	99
74) Butyl benzyl phthalate	21.86	149	111993	3.84 ug/ml	99
75) Benzo[a]anthracene	23.00	228	170768	3.95 ug/ml	99
76) Chrysene	23.10	228	158457	4.02 ug/ml	98
77) 3,3'-Dichlorobenzidine	23.04	252	56916	3.63 ug/ml#	95
78) Bis (2-ethylhexyl) phthala	23.31	149	144081	3.61 ug/ml	97
80) di-n-octyl-phthalate	24.90	149	246983	4.06 ug/ml#	100
81) Benzo[b] fluoranthene	25.87	252	149552	4.41 ug/ml	98
82) Benzo[k] fluoranthene	25.94	252	143130	3.88 ug/ml	100
83) Benzo[a] pyrene	26.86	252	134881	4.44 ug/ml	98
84) Indeno [1,2,3-cd] pyrene	30.92	276	126069	4.06 ug/ml	100
85) Dibenz [a,h] anthracene	31.05	278	123888	4.50 ug/ml#	88
86) Benzo(g,h,i) perylene	32.04	276	127539	4.46 ug/ml	97

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042606-D\D47091SI.D Vial: 3
Acq On : 26 Apr 2006 1:07 pm Operator:
Sample : S6744 PT2A 4/8 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 19:59 2006 Quant Results File: S04266.RES

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:58:34 2006
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47091SI.D Vial: 3
Acq On : 26 Apr 2006 1:07 pm Operator:
Sample : S6744 PT2A 4/8 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 19:58 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:58:34 2006
Response via : Multiple Level Calibration

4-27-06

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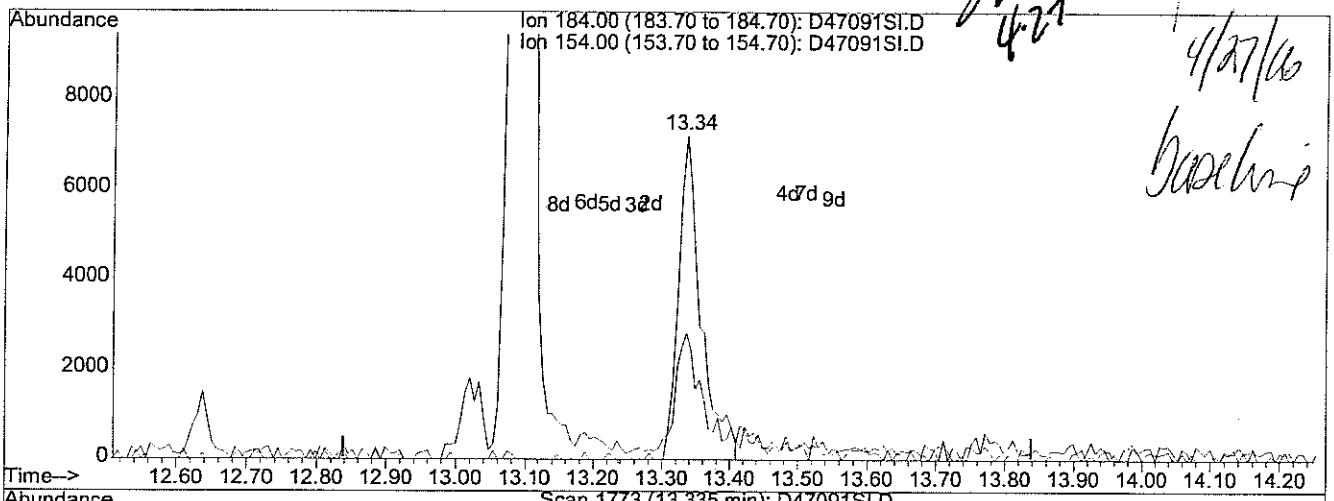
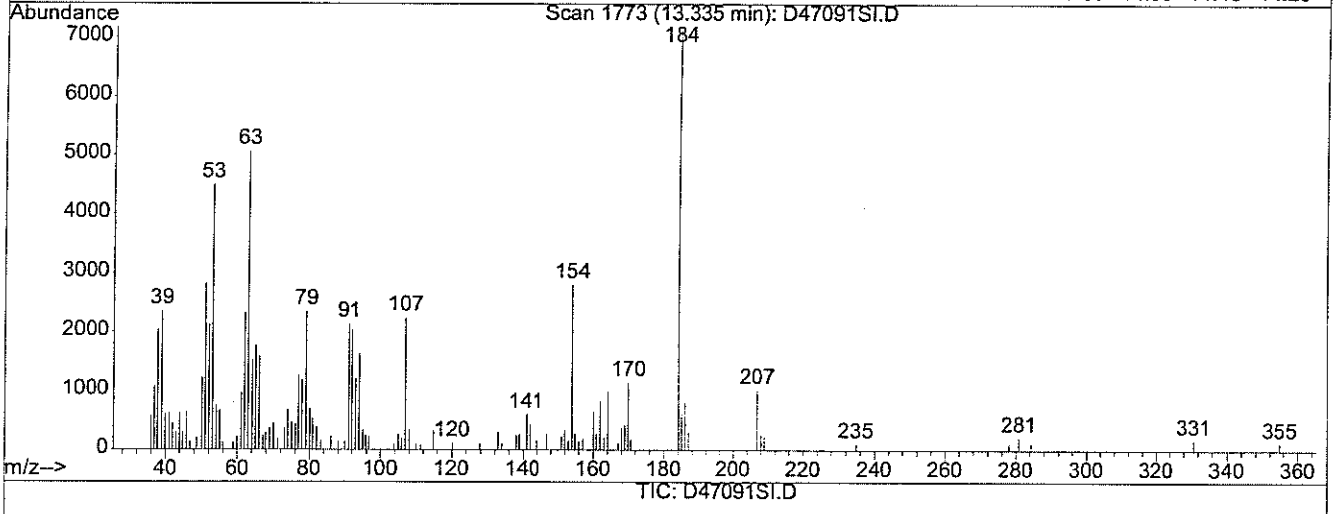




(47) 2,4-dinitrophenol (TPM)

13.34min 5.11ug/ml

response 16951

Ion	Exp%	Act%
184.00	100	100
154.00	40.00	39.90
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47091SI.D
Acq On : 26 Apr 2006 1:07 pm
Sample : S6744 PT2A 4/8
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 19:59 2006

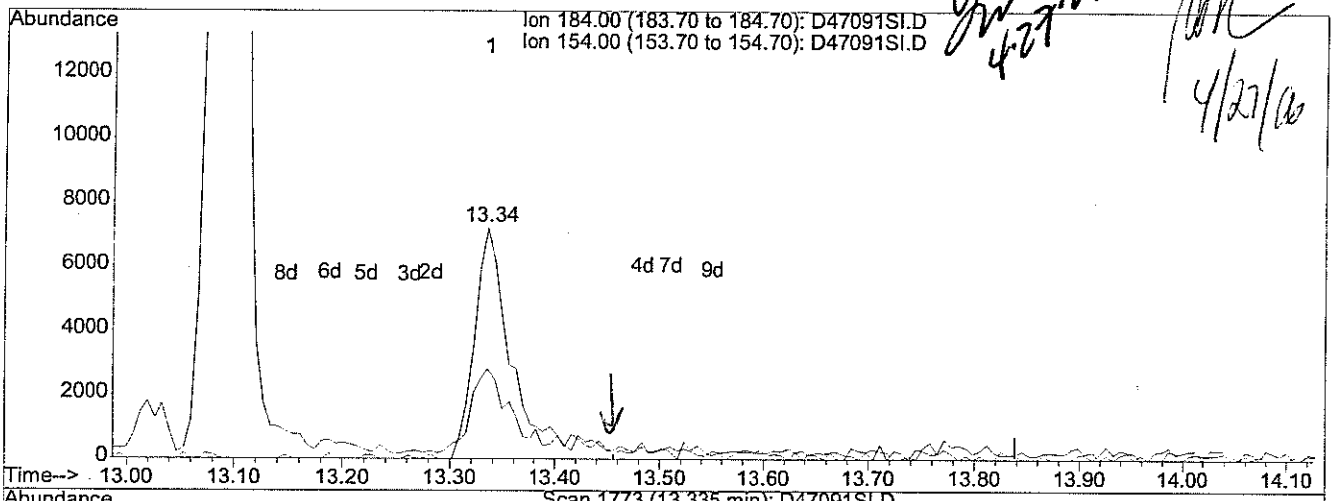
Vial: 3
Operator:
Inst : D Instrum
Multiplr: 1.00

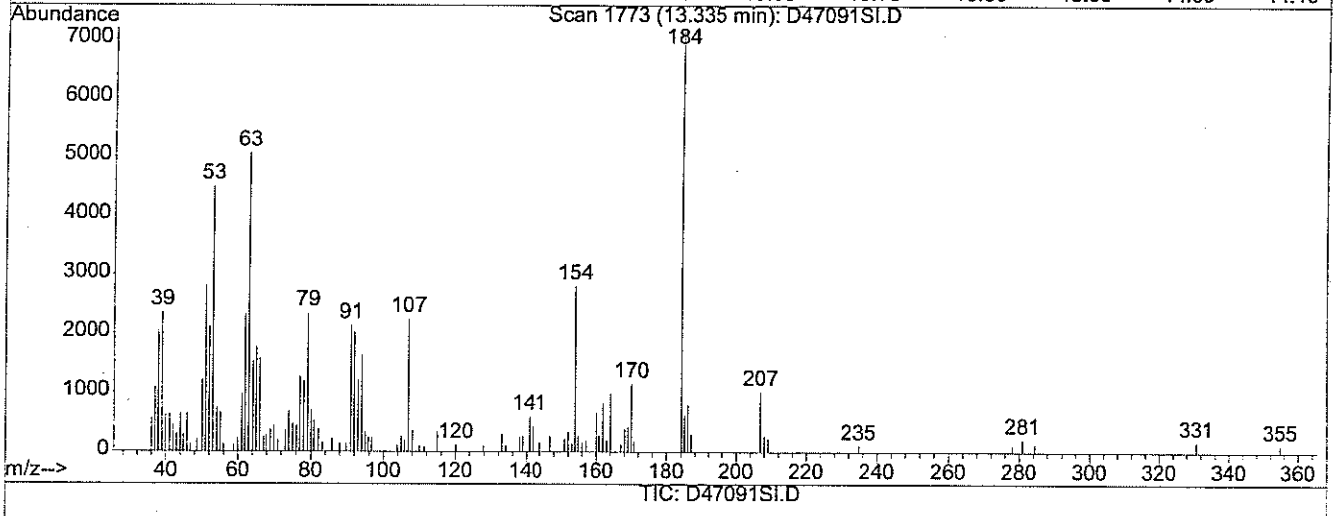
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Multiple Level Calibration

4-27-06

4/27/06





(47) 2,4-dinitrophenol (TPM)

13.34min 5.50ug/ml m

response 18242

Ion	Exp%	Act%
184.00	100	100
154.00	40.00	37.08
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

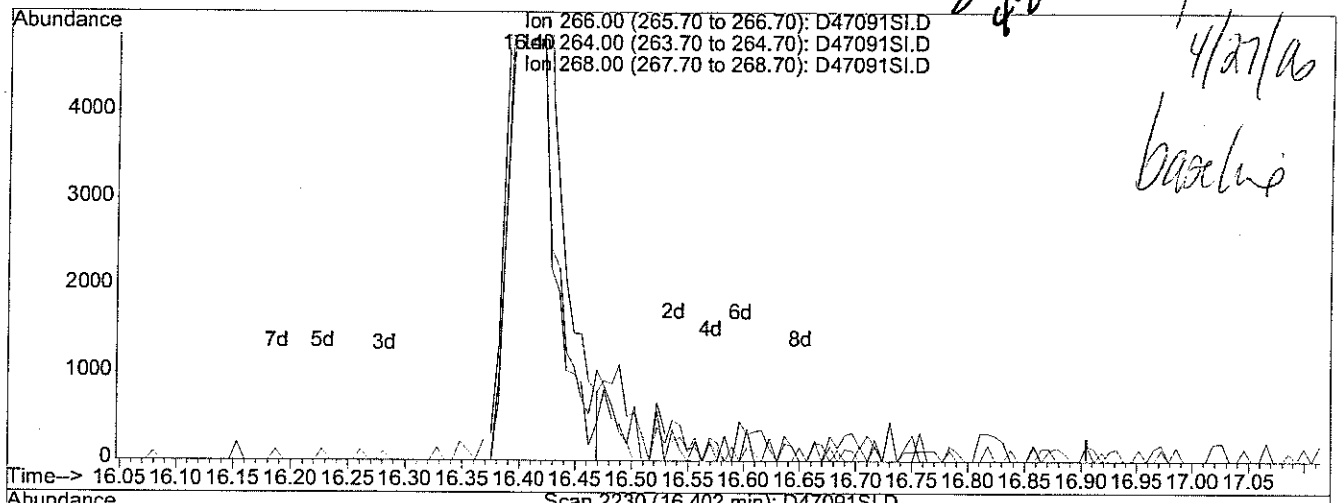
Data File : D:\HPCHEM\1\DATA\042606-D\D47091SI.D
Acq On : 26 Apr 2006 1:07 pm
Sample : S6744 PT2A 4/8
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 19:59 2006

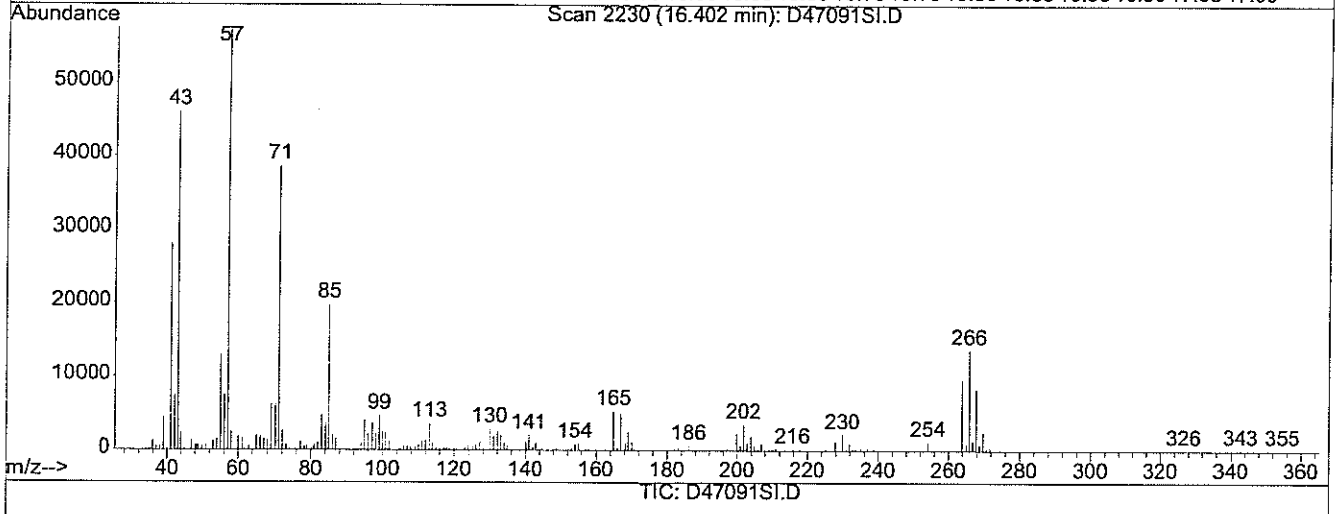
Vial: 3
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:58:34 2006
Response via : Multiple Level Calibration

4-27-06 pm 4/27/06 backup





(64) Pentachlorophenol (TMC)

16.40min 5.29ug/ml

response 31000

Ion	Exp%	Act%
266.00	100	100
264.00	61.90	61.01
268.00	62.80	57.94
0.00	0.00	0.00

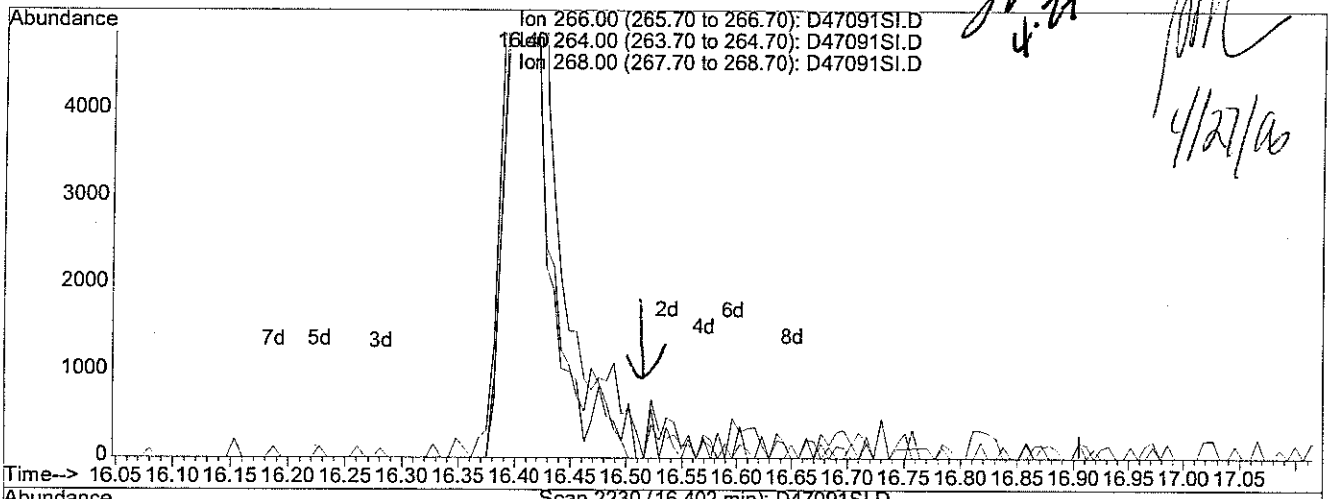
Quantitation Report (Qedit)

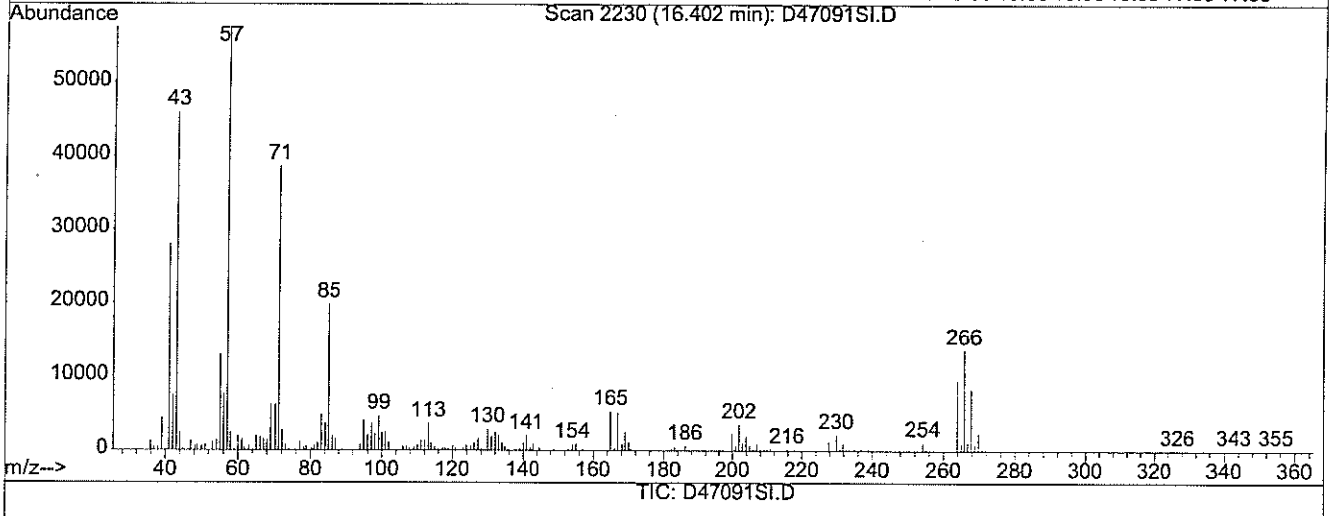
Data File : D:\HPCHEM\1\DATA\042606-D\D47091SI.D Vial: 3
Acq On : 26 Apr 2006 1:07 pm Operator:
Sample : S6744 PT2A 4/8 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 19:59 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:58:34 2006
Response via : Multiple Level Calibration

4.27.06

4/27/06





TIC: D47091SI.D

(64) Pentachlorophenol (TMC)

16.40min 5.58ug/ml m

response 32729

Ion	Exp%	Act%
266.00	100	100
264.00	61.90	57.78
268.00	62.80	54.88
0.00	0.00	0.00

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47092SI.D Vial: 4
Acq On : 26 Apr 2006 1:40 pm Operator:
Sample : S6743 PT2 10/20 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 19:18 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4-27-06

4/27/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.79	152	614180	40.00	ug/ml	0.00
19) d8-Naphthalene	8.73	136	2177123	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.03	164	1048855	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.60	188	1710050	40.00	ug/ml	0.00
71) d12-Chrysene	23.05	240	1521820	40.00	ug/ml	0.00
79) d12-Perylene	27.09	264	1292926	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.53	112	424715	19.97	ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 26.63%#			
5) d5-Phenol	5.45	99	548719	23.72	ug/ml	0.02
Spiked Amount 75.000	Range 22 - 110		Recovery = 31.63%			
20) d5-nitrobenzene	7.12	82	515871	20.89	ug/ml	0.00
Spiked Amount 50.000	Range 45 - 107		Recovery = 41.78%#			
39) 2-Fluorobiphenyl	11.42	172	694160	20.58	ug/ml	0.00
Spiked Amount 50.000	Range 44 - 102		Recovery = 41.16%#			
60) 2,4,6-Tribromophenol	15.01	330	125373	19.91	ug/ml	0.00
Spiked Amount 75.000	Range 63 - 127		Recovery = 26.55%#			
73) d14-p-terphenyl	20.55	244	666718	20.11	ug/ml	0.00
Spiked Amount 50.000	Range 33 - 132		Recovery = 40.22%			
Target Compounds						Qvalue
2) Pyridine	1.55	79	345126	9.64	ug/ml	97
3) N-nitrosodimethylamine	1.53	42	210875	9.99	ug/ml	97
6) Aniline	5.22	93	336409	10.56	ug/ml	97
7) Phenol	5.48	94	573705	24.07	ug/ml	100
8) 2-Chlorophenol	5.54	128	447572	19.97	ug/ml	99
9) bis(2-chloroethyl) ether	5.32	93	241548	9.81	ug/ml	100
10) 1,3-Dichlorobenzene	5.71	146	230294	9.72	ug/ml	99
11) 1,4-Dichlorobenzene	5.83	146	238763	9.94	ug/ml	99
12) 1,2-Dichlorobenzene	6.24	146	221568	9.91	ug/ml	99
13) Benzyl Alcohol	6.22	108	120264	9.82	ug/ml	92
14) 2-Methylphenol	6.69	108	371705	20.12	ug/ml	100
15) bis(2-chloroisopropyl)ethe	6.52	45	452337	10.20	ug/ml	99
16) 3+4-Methylphenol	7.04	108	389903	20.14	ug/ml	99
17) Hexachloroethane	6.91	117	94717	10.01	ug/ml	100
18) N-nitroso-di-n-propylamine	6.85	70	185169	11.82	ug/ml	100
21) Nitrobenzene	7.17	123	119182	10.24	ug/ml	96
22) Isophorone	7.70	82	442551	11.84	ug/ml	100
23) 2-Nitrophenol	7.91	139	272785	21.18	ug/ml	99
24) 2,4-Dimethylphenol	8.19	107	393489	20.97	ug/ml	98
25) Bis(2-chloroethoxy)methane	8.28	93	272394	10.74	ug/ml	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47092SI.D Vial: 4
Acq On : 26 Apr 2006 1:40 pm Operator:
Sample : S6743 PT2 10/20 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 19:18 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 2,4-Dichlorophenol	8.65	162	304757	20.36 ug/ml	92
27) Benzoic Acid	8.64	105	210941	30.00 ug/ml	97
28) 1,2,4-Trichlorobenzene	8.65	180	158824	10.30 ug/ml	99
29) Naphthalene	8.77	128	580300	10.53 ug/ml	100
30) 2,6-Dichlorophenol	9.07	162	309792	20.89 ug/ml	100
31) 4-Chloroaniline	9.04	127	259705	10.51 ug/ml	99
32) Hexachlorobutadiene	9.22	225	96531	10.19 ug/ml	99
33) 4-Chloro-3-methylphenol	10.50	107	332668	21.33 ug/ml	96
34) 2-Methylnaphthalene	10.44	141	304147	9.53 ug/ml	90
36) Hexachlorocyclopentadiene	11.00	237	46122	8.60 ug/ml	98
37) 2,4,6-Trichlorophenol	11.32	196	205845	20.01 ug/ml	99
38) 2,4,5-Trichlorophenol	11.60	196	210787	19.50 ug/ml	98
40) 2-Chloronaphthalene	11.62	162	323890	10.04 ug/ml	99
41) 2-Nitroaniline	12.05	138	152726	10.18 ug/ml	99
42) 2,6-Dinitrotoluene	12.73	165	93323	11.18 ug/ml	97
43) Dimethyl Phthalate	12.57	163	375394	11.18 ug/ml	99
44) Acenaphthylene	12.64	152	521373	10.06 ug/ml	100
45) 3-Nitroaniline	13.07	138	119540	10.24 ug/ml	98
46) Acenaphthene	13.10	154	300445	10.15 ug/ml	99
47) 2,4-dinitrophenol	13.33	184	75204	21.42 ug/ml	96
48) Dibenzofuran	13.48	168	432533	10.06 ug/ml	99
49) 4-Nitrophenol	14.07	109	79171	23.19 ug/ml	93
50) 2,4-Dinitrotoluene	13.68	165	123732	11.67 ug/ml	97
51) 2,3,4,6-Tetrachlorophenol	14.01	232	159940	20.23 ug/ml	99
52) Fluorene	14.32	166	345481	10.23 ug/ml	99
53) Diethyl Phthalate	14.30	149	395585	11.18 ug/ml	100
54) 4-Chlorophenyl phenyl eth	14.36	204	169230	10.06 ug/ml	99
55) 4-Nitroaniline	14.59	138	117402	11.79 ug/ml	98
56) 4,6-Dinitro-2-methylphenol	14.67	198	133726	23.41 ug/ml	100
57) n-nitrosodiphenylamine	14.71	169	231648	11.32 ug/ml	99
58) Azobenzene	14.75	77	528831	10.02 ug/ml#	91
59) Biphenyl	11.62	154	421524	10.21 ug/ml	99
62) 4-bromophenyl phenyl ether	15.54	248	100262	10.00 ug/ml	95
63) Hexachlorobenzene	15.86	284	114512	10.16 ug/ml	99
64) Pentachlorophenol	16.41	266	107951	18.12 ug/ml	99
65) Phenanthrene	16.64	178	439821	9.70 ug/ml	99
66) Anthracene	16.75	178	455603	10.55 ug/ml	98
67) Carbazole	17.24	167	441916	11.69 ug/ml	100
68) Di-n-butyl phthalate	18.25	149	684142	10.91 ug/ml	99
69) Fluoranthene	19.54	202	486050	10.86 ug/ml	100
70) Benzidine	19.97	184	143093	12.76 ug/ml	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47092SI.D Vial: 4
Acq On : 26 Apr 2006 1:40 pm Operator:
Sample : S6743 PT2 10/20 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 19:18 2006 Quant Results File: S04266.RES

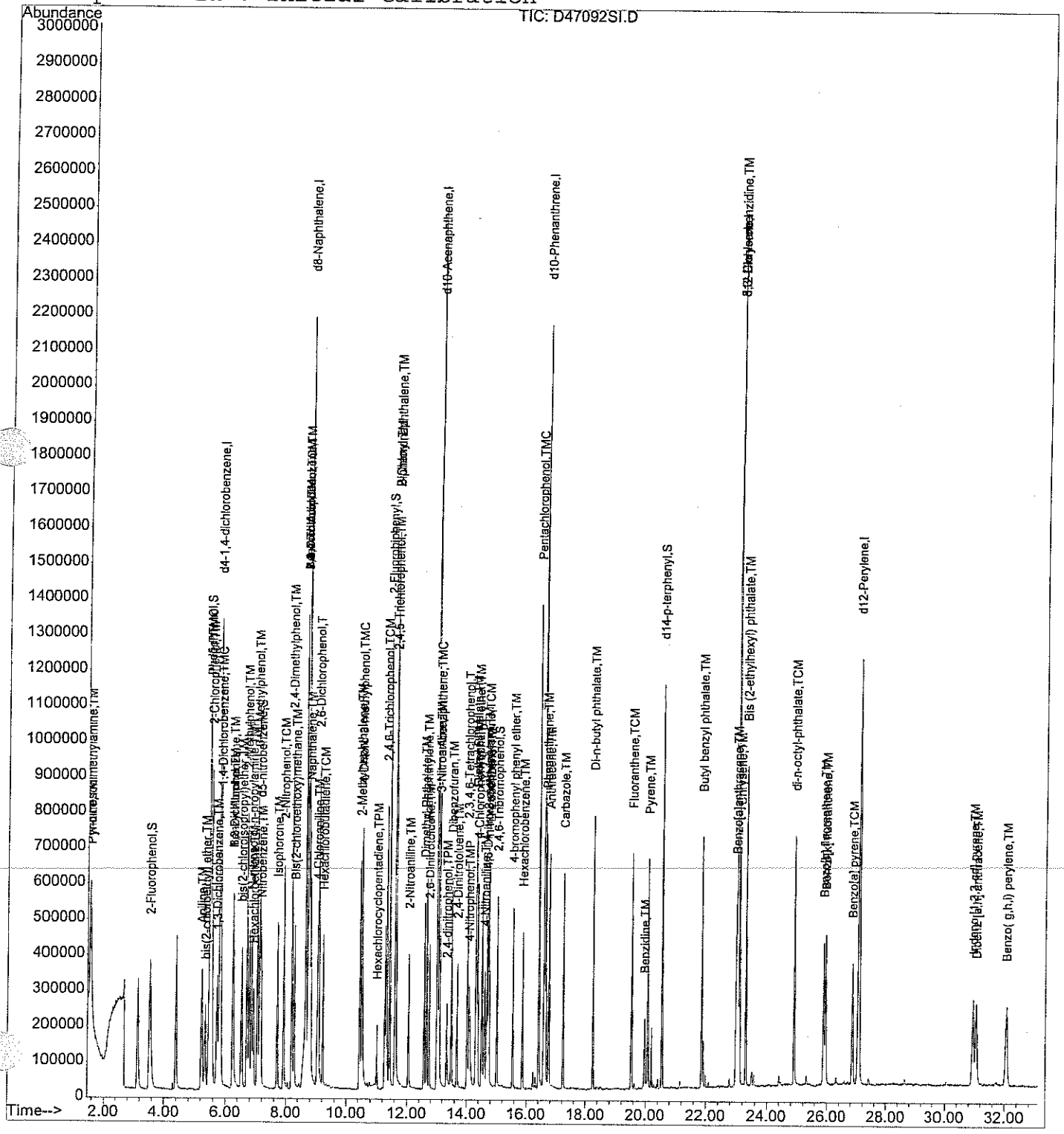
Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
72) Pyrene	20.07	202	497247	9.98	ug/ml	100
74) Butyl benzyl phthalate	21.86	149	302640	10.02	ug/ml	99
75) Benzo[a]anthracene	23.00	228	443282	9.90	ug/ml	99
76) Chrysene	23.11	228	415269	10.16	ug/ml	99
77) 3,3'-Dichlorobenzidine	23.05	252	158067	9.73	ug/ml	99
78) Bis (2-ethylhexyl) phthala	23.31	149	403006	9.75	ug/ml	100
80) di-n-octyl-phthalate	24.90	149	662277	10.66	ug/ml	100
81) Benzo[b] fluoranthene	25.88	252	405070	11.71	ug/ml	99
82) Benzo[k] fluoranthene	25.95	252	372548	9.89	ug/ml	97
83) Benzo[a] pyrene	26.86	252	354500	11.43	ug/ml	98
84) Indeno [1,2,3-cd] pyrene	30.95	276	340778	10.75	ug/ml	97
85) Dibenz [a,h] anthracene	31.06	278	318403	11.32	ug/ml	100
86) Benzo(g,h,i) perylene	32.08	276	346709	11.88	ug/ml	100

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042606-D\D47092SI.D Vial: 4
Acq On : 26 Apr 2006 1:40 pm Operator:
Sample : S6743 PT2 10/20 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 19:18 2006 Quant Results File: S04266.RES

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:58:34 2006
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47093SI.D Vial: 5
Acq On : 26 Apr 2006 2:13 pm Operator:
Sample : S6761 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 19:18 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4.27.06 4/27/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.80	152	585433	40.00	ug/ml	0.00
19) d8-Naphthalene	8.73	136	2158490	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.03	164	995667	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.60	188	1671289	40.00	ug/ml	0.00
71) d12-Chrysene	23.06	240	1531996	40.00	ug/ml	0.00
79) d12-Perylene	27.09	264	1356805	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.53	112	842444	41.56	ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 55.41%			
5) d5-Phenol	5.43	99	1097228	49.77	ug/ml	0.00
Spiked Amount 75.000	Range 22 - 110		Recovery = 66.36%			
20) d5-nitrobenzene	7.13	82	992439	40.53	ug/ml	0.00
Spiked Amount 50.000	Range 45 - 107		Recovery = 81.06%			
39) 2-Fluorobiphenyl	11.43	172	1313529	41.02	ug/ml	0.00
Spiked Amount 50.000	Range 44 - 102		Recovery = 82.04%			
60) 2,4,6-Tribromophenol	15.01	330	245658	41.09	ug/ml	0.00
Spiked Amount 75.000	Range 63 - 127		Recovery = 54.79%#			
73) d14-p-terphenyl	20.56	244	1350759	40.48	ug/ml	0.00
Spiked Amount 50.000	Range 33 - 132		Recovery = 80.96%			
Target Compounds						Qvalue
2) Pyridine	1.53	79	682651	20.01	ug/ml	100
3) N-nitrosodimethylamine	1.52	42	416439	20.70	ug/ml	100
6) Aniline	5.22	93	576638	18.98	ug/ml	100
7) Phenol	5.46	94	1123952	49.46	ug/ml	100
8) 2-Chlorophenol	5.53	128	887404	41.55	ug/ml	100
9) bis(2-chloroethyl) ether	5.33	93	474973	20.24	ug/ml	100
10) 1,3-Dichlorobenzene	5.71	146	467989	20.73	ug/ml	100
11) 1,4-Dichlorobenzene	5.83	146	467916	20.44	ug/ml	100
12) 1,2-Dichlorobenzene	6.24	146	445186	20.88	ug/ml	100
13) Benzyl Alcohol	6.22	108	252299	21.61	ug/ml	100
14) 2-Methylphenol	6.69	108	725695	41.21	ug/ml	100
15) bis(2-chloroisopropyl)ethe	6.53	45	886801	20.97	ug/ml	100
16) 3+4-Methylphenol	7.04	108	774868	42.00	ug/ml	100
17) Hexachloroethane	6.91	117	186194	20.64	ug/ml	100
18) N-nitroso-di-n-propylamine	6.86	70	354711	23.75	ug/ml	100
21) Nitrobenzene	7.18	123	236595	20.50	ug/ml	100
22) Isophorone	7.71	82	855019	23.07	ug/ml	100
23) 2-Nitrophenol	7.92	139	516079	40.42	ug/ml	100
24) 2,4-Dimethylphenol	8.20	107	746524	40.12	ug/ml	100
25) Bis(2-chloroethoxy)methane	8.28	93	511239	20.34	ug/ml	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47093SI.D Vial: 5
Acq On : 26 Apr 2006 2:13 pm Operator:
Sample : S6761 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 19:18 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 2,4-Dichlorophenol	8.65	162	621675	41.89 ug/ml	100
27) Benzoic Acid	8.71	105	476278	68.31 ug/ml	100
28) 1,2,4-Trichlorobenzene	8.65	180	309602	20.26 ug/ml	100
29) Naphthalene	8.78	128	1135668	20.78 ug/ml	100
30) 2,6-Dichlorophenol	9.08	162	589617	40.11 ug/ml	100
31) 4-Chloroaniline	9.04	127	489841	19.99 ug/ml	100
32) Hexachlorobutadiene	9.22	225	195908	20.86 ug/ml	100
33) 4-Chloro-3-methylphenol	10.49	107	628439	40.64 ug/ml	100
34) 2-Methylnaphthalene	10.45	141	685785	21.67 ug/ml	100
36) Hexachlorocyclopentadiene	11.00	237	111965	22.01 ug/ml	100
37) 2,4,6-Trichlorophenol	11.32	196	398950	40.85 ug/ml	100
38) 2,4,5-Trichlorophenol	11.59	196	423275	41.24 ug/ml	100
40) 2-Chloronaphthalene	11.63	162	629141	20.54 ug/ml	100
41) 2-Nitroaniline	12.06	138	293522	20.60 ug/ml	100
42) 2,6-Dinitrotoluene	12.75	165	185603	23.43 ug/ml	100
43) Dimethyl Phthalate	12.57	163	726984	22.82 ug/ml	100
44) Acenaphthylene	12.65	152	1015062	20.64 ug/ml	100
45) 3-Nitroaniline	13.08	138	230006	20.76 ug/ml	100
46) Acenaphthene	13.10	154	576385	20.50 ug/ml	100
47) 2,4-dinitrophenol	13.34	184	182391	54.74 ug/ml	100
48) Dibenzofuran	13.49	168	835970	20.48 ug/ml	100
49) 4-Nitrophenol	14.04	109	183193	56.53 ug/ml	100
50) 2,4-Dinitrotoluene	13.69	165	238275	23.67 ug/ml	100
51) 2,3,4,6-Tetrachlorophenol	14.02	232	311602	41.51 ug/ml	100
52) Fluorene	14.33	166	665316	20.76 ug/ml	100
53) Diethyl Phthalate	14.31	149	787459	23.45 ug/ml	100
54) 4-Chlorophenyl phenyl eth	14.37	204	322684	20.21 ug/ml	100
55) 4-Nitroaniline	14.61	138	227345	24.04 ug/ml	100
56) 4,6-Dinitro-2-methylphenol	14.68	198	283605	52.31 ug/ml	100
57) n-nitrosodiphenylamine	14.72	169	434164	22.36 ug/ml	100
58) Azobenzene	14.75	77	995611	19.88 ug/ml	100
59) Biphenyl	11.63	154	810477	20.67 ug/ml	100
62) 4-bromophenyl phenyl ether	15.54	248	200255	20.44 ug/ml	100
63) Hexachlorobenzene	15.87	284	223567	20.29 ug/ml	100
64) Pentachlorophenol	16.42	266	243756	41.86 ug/ml	100
65) Phenanthrene	16.65	178	901161	20.34 ug/ml	100
66) Anthracene	16.76	178	895381	21.22 ug/ml	100
67) Carbazole	17.24	167	860849	23.31 ug/ml	100
68) Di-n-butyl phthalate	18.25	149	1318383	21.51 ug/ml	100
69) Fluoranthene	19.55	202	954167	21.81 ug/ml	100
70) Benzidine	19.97	184	88556	8.08 ug/ml	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47093SI.D Vial: 5
Acq On : 26 Apr 2006 2:13 pm Operator:
Sample : S6761 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 19:18 2006 Quant Results File: S04266.RES

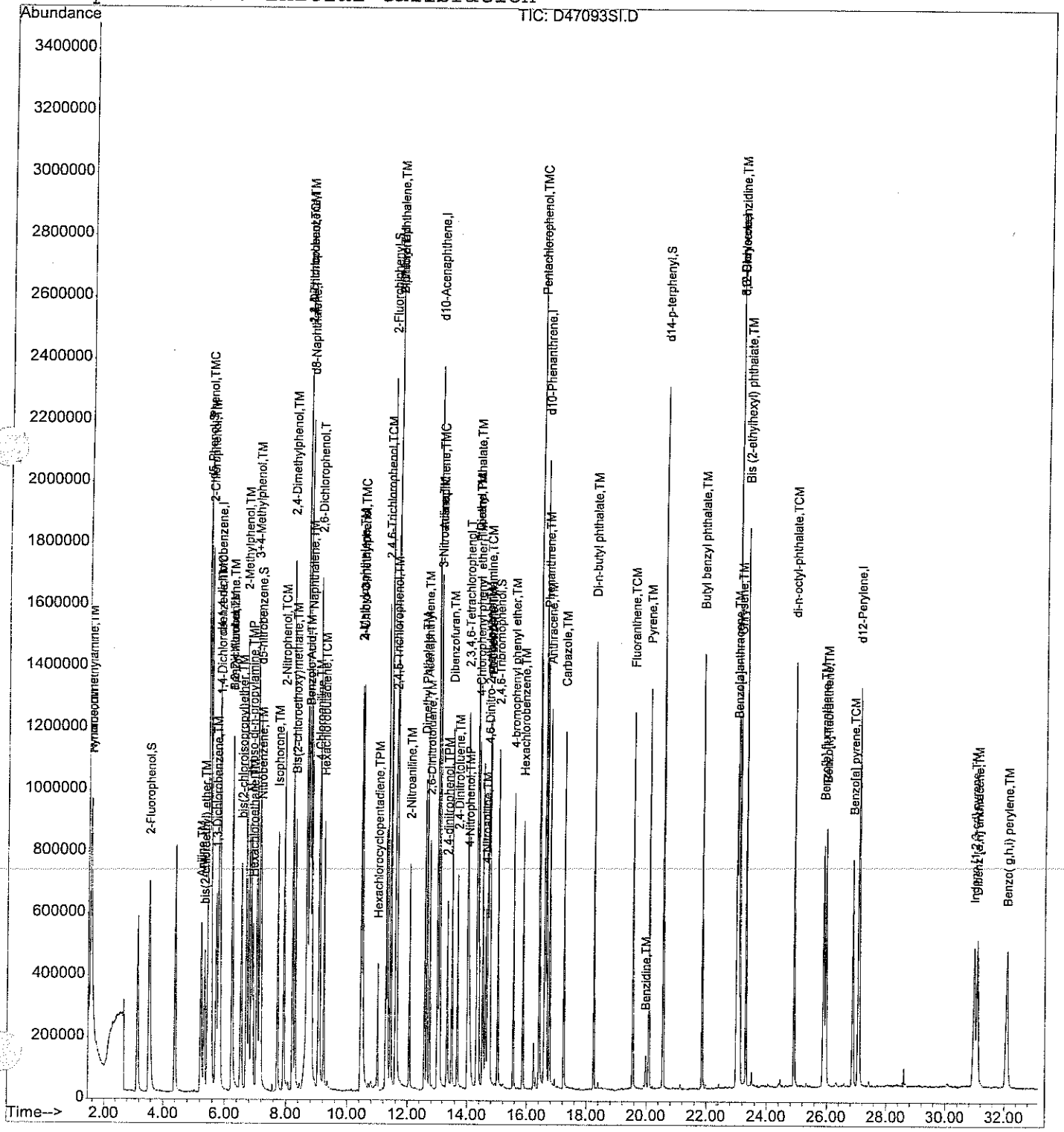
Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
72) Pyrene	20.08	202	990089	19.74	ug/ml	100
74) Butyl benzyl phthalate	21.87	149	622946	20.48	ug/ml	100
75) Benzo[a]anthracene	23.01	228	884704	19.63	ug/ml	100
76) Chrysene	23.11	228	821530	19.96	ug/ml	100
77) 3,3'-Dichlorobenzidine	23.05	252	320117	19.58	ug/ml	100
78) Bis (2-ethylhexyl) phthala	23.32	149	818597	19.68	ug/ml	100
80) di-n-octyl-phthalate	24.92	149	1339011	20.54	ug/ml	100
81) Benzo[b] fluoranthene	25.90	252	837919	23.09	ug/ml	100
82) Benzo[k] fluoranthene	25.97	252	785030	19.85	ug/ml	100
83) Benzo[a] pyrene	26.88	252	752103	23.11	ug/ml	100
84) Indeno [1,2,3-cd] pyrene	30.98	276	720995	21.68	ug/ml	100
85) Dibenz [a,h] anthracene	31.09	278	701567	23.76	ug/ml	100
86) Benzo(g,h,i) perylene	32.12	276	738425	24.12	ug/ml	100

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042606-D\D47093SI.D Vial: 5
Acq On : 26 Apr 2006 2:13 pm Operator:
Sample : S6761 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 19:18 2006 Quant Results File: S04266.RES

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:58:34 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47094SI.D Vial: 6
Acq On : 26 Apr 2006 3:20 pm Operator:
Sample : S6741 PT4A 40/80 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 20:00 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4.27.06 4/27/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.80	152	612408	40.00	ug/ml	0.00
19) d8-Naphthalene	8.75	136	2270883	40.00	ug/ml	0.01
35) d10-Acenaphthene	13.04	164	1044376	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.61	188	1725519	40.00	ug/ml	0.00
71) d12-Chrysene	23.06	240	1282763	40.00	ug/ml	0.00
79) d12-Perylene	27.10	264	1198179	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.52	112	1752898	82.66	ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 110.21%#			
5) d5-Phenol	5.41	99	2154164	93.40	ug/ml	-0.03
Spiked Amount 75.000	Range 22 - 110		Recovery = 124.53%#			
20) d5-nitrobenzene	7.15	82	2053023	79.69	ug/ml	0.02
Spiked Amount 50.000	Range 45 - 107		Recovery = 159.38%#			
39) 2-Fluorobiphenyl	11.45	172	2647217	78.81	ug/ml	0.01
Spiked Amount 50.000	Range 44 - 102		Recovery = 157.62%#			
60) 2,4,6-Tribromophenol	15.03	330	515776	82.25	ug/ml	0.01
Spiked Amount 75.000	Range 63 - 127		Recovery = 109.67%			
73) d14-p-terphenyl	20.57	244	2328624	83.34	ug/ml	0.01
Spiked Amount 50.000	Range 33 - 132		Recovery = 166.68%#			
Target Compounds						Qvalue
2) Pyridine	1.53	79	1441922	40.40	ug/ml	100
3) N-nitrosodimethylamine	1.52	42	829825	39.43	ug/ml	97
6) Aniline	5.23	93	1257325	39.57	ug/ml	99
7) Phenol	5.43	94	2196814	92.42	ug/ml	99
8) 2-Chlorophenol	5.52	128	1802413	80.67	ug/ml	100
9) bis(2-chloroethyl) ether	5.35	93	930994	37.92	ug/ml	96
10) 1,3-Dichlorobenzene	5.72	146	962194	40.75	ug/ml	99
11) 1,4-Dichlorobenzene	5.84	146	973775	40.66	ug/ml	98
12) 1,2-Dichlorobenzene	6.24	146	897326	40.24	ug/ml	98
13) Benzyl Alcohol	6.24	108	535652	43.86	ug/ml	98
14) 2-Methylphenol	6.69	108	1471525	79.89	ug/ml	100
15) bis(2-chloroisopropyl)ethe	6.53	45	1748730	39.54	ug/ml	100
16) 3+4-Methylphenol	7.04	108	1553385	80.48	ug/ml	98
17) Hexachloroethane	6.92	117	376217	39.86	ug/ml	99
18) N-nitroso-di-n-propylamine	6.88	70	717358	45.92	ug/ml	99
21) Nitrobenzene	7.19	123	484969	39.94	ug/ml	97
22) Isophorone	7.73	82	1719893	44.11	ug/ml	99
23) 2-Nitrophenol	7.93	139	1082444	80.59	ug/ml	99
24) 2,4-Dimethylphenol	8.20	107	1544505	78.90	ug/ml	99
25) Bis(2-chloroethoxy)methane	8.30	93	1011547	38.25	ug/ml	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47094SI.D Vial: 6
Acq On : 26 Apr 2006 3:20 pm Operator:
Sample : S6741 PT4A 40/80 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 20:00 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 2,4-Dichlorophenol	8.64	162	1255496	80.42 ug/ml	100
27) Benzoic Acid	8.81	105	1059360	144.43 ug/ml	96
28) 1,2,4-Trichlorobenzene	8.66	180	641628	39.91 ug/ml	98
29) Naphthalene	8.79	128	2252752	39.18 ug/ml	99
30) 2,6-Dichlorophenol	9.09	162	1219865	78.88 ug/ml	98
31) 4-Chloroaniline	9.06	127	998155	38.72 ug/ml	99
32) Hexachlorobutadiene	9.23	225	392436	39.72 ug/ml	99
33) 4-Chloro-3-methylphenol	10.48	107	1316172	80.91 ug/ml	97
34) 2-Methylnaphthalene	10.45	141	1391068	41.78 ug/ml#	34
36) Hexachlorocyclopentadiene	11.01	237	276885	51.88 ug/ml	98
37) 2,4,6-Trichlorophenol	11.33	196	827474	80.77 ug/ml	98
38) 2,4,5-Trichlorophenol	11.58	196	876696	81.43 ug/ml	99
40) 2-Chloronaphthalene	11.64	162	1282621	39.93 ug/ml	99
41) 2-Nitroaniline	12.07	138	599558	40.12 ug/ml	99
42) 2,6-Dinitrotoluene	12.75	165	378112	45.51 ug/ml	100
43) Dimethyl Phthalate	12.59	163	1473527	44.09 ug/ml	99
44) Acenaphthylene	12.65	152	2029749	39.34 ug/ml	100
45) 3-Nitroaniline	13.10	138	470944	40.53 ug/ml	98
46) Acenaphthene	13.12	154	1176656	39.91 ug/ml	99
47) 2,4-dinitrophenol	13.36	184	441559	126.33 ug/ml	93
48) Dibenzofuran	13.51	168	1700214	39.71 ug/ml	99
49) 4-Nitrophenol	14.02	109	374548	110.19 ug/ml	99
50) 2,4-Dinitrotoluene	13.70	165	488258	46.25 ug/ml	98
51) 2,3,4,6-Tetrachlorophenol	14.02	232	668433	84.89 ug/ml	98
52) Fluorene	14.34	166	1333830	39.68 ug/ml	99
53) Diethyl Phthalate	14.33	149	1541147	43.75 ug/ml	100
54) 4-Chlorophenyl phenyl eth	14.38	204	663461	39.61 ug/ml	96
55) 4-Nitroaniline	14.65	138	432658	43.62 ug/ml	93
56) 4,6-Dinitro-2-methylphenol	14.71	198	565726	99.47 ug/ml	99
57) n-nitrosodiphenylamine	14.74	169	906852	44.52 ug/ml	99
58) Azobenzene	14.77	77	2127097	40.49 ug/ml	92
59) Biphenyl	11.64	154	1609845	39.15 ug/ml	98
62) 4-bromophenyl phenyl ether	15.55	248	406081	40.14 ug/ml	96
63) Hexachlorobenzene	15.87	284	464359	40.82 ug/ml	98
64) Pentachlorophenol	16.42	266	545788	90.79 ug/ml	100
65) Phenanthrene	16.67	178	1803710	39.43 ug/ml	100
66) Anthracene	16.77	178	1735927	39.84 ug/ml	99
67) Carbazole	17.26	167	1628982	42.72 ug/ml	99
68) Di-n-butyl phthalate	18.26	149	2464170	38.95 ug/ml	100
69) Fluoranthene	19.56	202	1783115	39.48 ug/ml	100
70) Benzidine	19.97	184	281934	24.92 ug/ml	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47094SI.D Vial: 6
Acq On : 26 Apr 2006 3:20 pm Operator:
Sample : S6741 PT4A 40/80 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 20:00 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Initial Calibration
DataAcq Meth : ABN

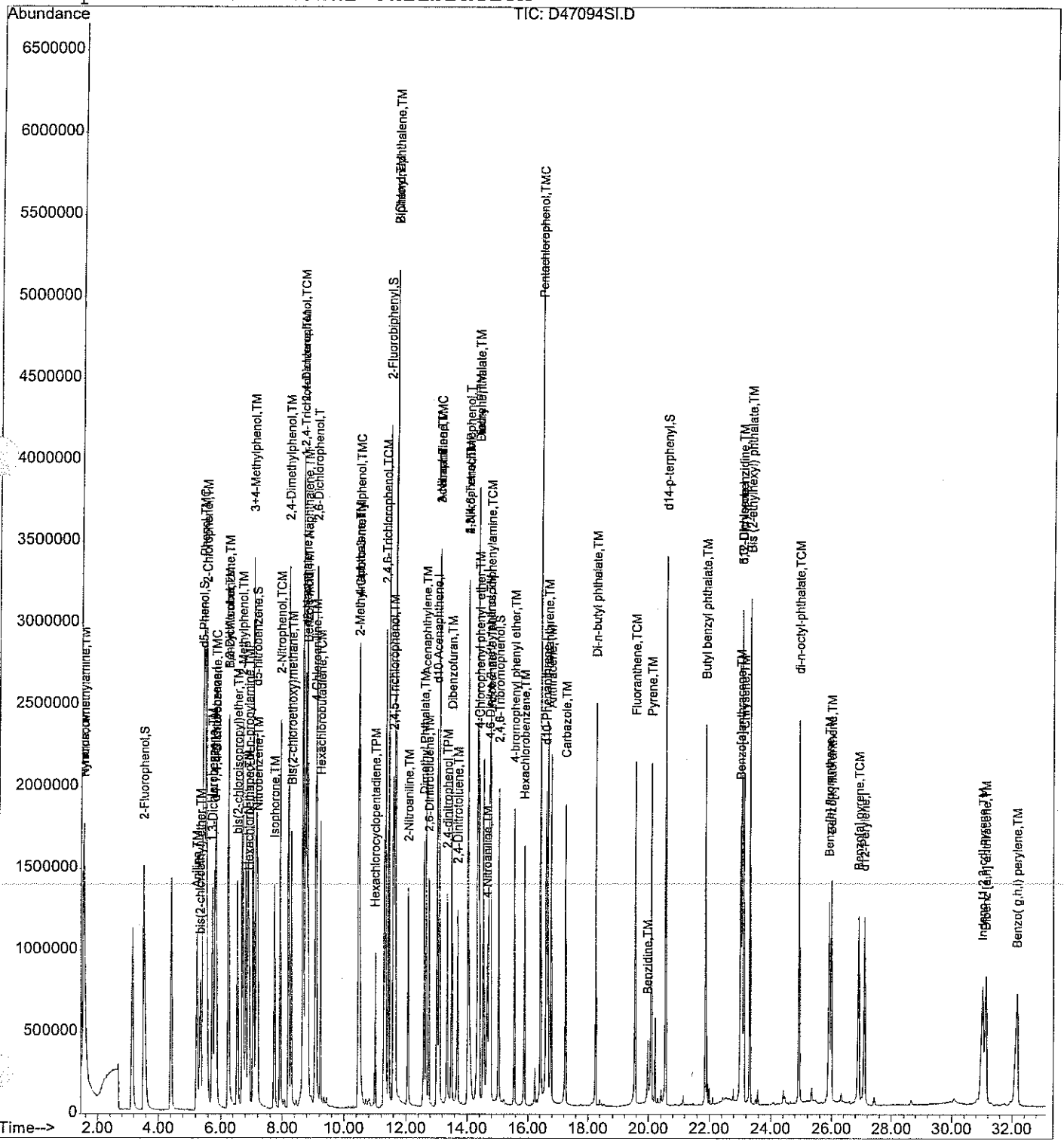
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
72) Pyrene	20.09	202	1802068	42.92 ug/ml	99
74) Butyl benzyl phthalate	21.87	149	1063744	41.77 ug/ml	100
75) Benzo[a]anthracene	23.01	228	1524546	40.40 ug/ml	99
76) Chrysene	23.13	228	1375910	39.92 ug/ml	99
77) 3,3'-Dichlorobenzidine	23.07	252	550137	40.20 ug/ml	99
78) Bis (2-ethylhexyl) phthala	23.32	149	1495339	42.94 ug/ml	99
80) di-n-octyl-phthalate	24.93	149	2361632	41.02 ug/ml	100
81) Benzo[b] fluoranthene	25.91	252	1523874	47.54 ug/ml	100
82) Benzo[k] fluoranthene	25.99	252	1373288	39.33 ug/ml	98
83) Benzo[a] pyrene	26.91	252	1324963	46.11 ug/ml	100
84) Indeno [1,2,3-cd] pyrene	31.02	276	1436746m	48.92 ug/ml	
85) Dibenz [a,h] anthracene	31.13	278	1213696	46.55 ug/ml	97
86) Benzo(g,h,i) perylene	32.16	276	1284864	47.52 ug/ml	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042606-D\D47094SI.D Vial: 6
Acq On : 26 Apr 2006 3:20 pm Operator:
Sample : S6741 PT4A 40/80 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:00 2006 Quant Results File: S04266.RES

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:49:30 2006
Response via : Initial Calibration



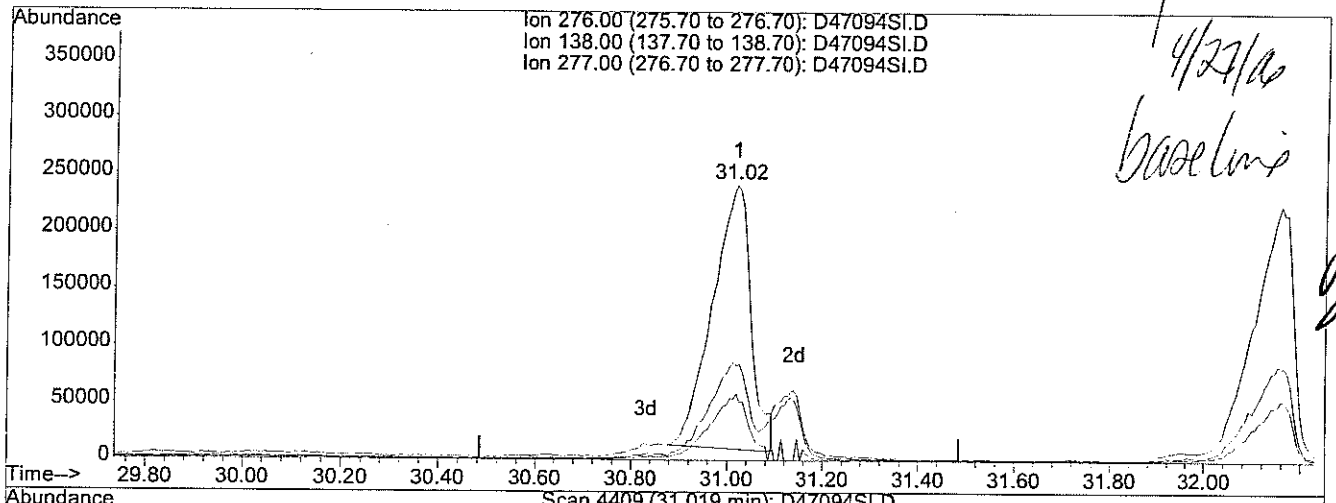
Quantitation Report (Qedit)

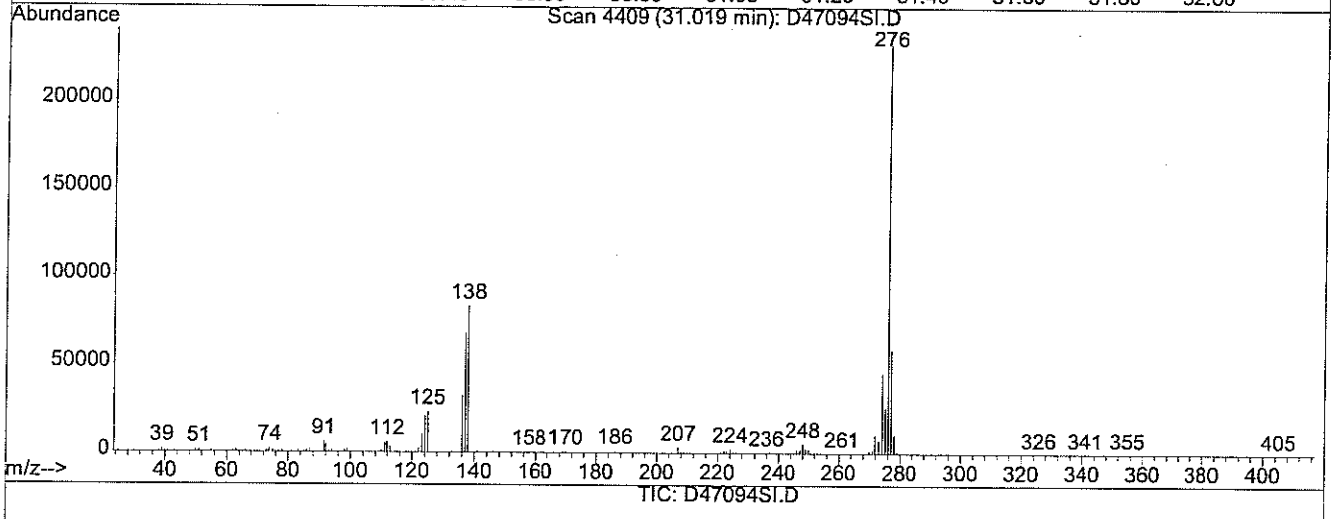
Data File : D:\HPCHEM\1\DATA\042606-D\D47094SI.D
Acq On : 26 Apr 2006 3:20 pm
Sample : S6741 PT4A 40/80
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 19:18 2006

Vial: 6
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:58:34 2006
Response via : Multiple Level Calibration





TIC: D47094SI.D

(84) Indeno [1,2,3-cd] pyrene (TM)

31.02min 43.39ug/ml

response 1274352

Ion	Exp%	Act%
276.00	100	100
138.00	35.80	38.10
277.00	24.70	25.95
0.00	0.00	0.00

4/27/06 baseline

4-27-06

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47094SI.D
Acq On : 26 Apr 2006 3:20 pm
Sample : S6741 PT4A 40/80
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:00 2006

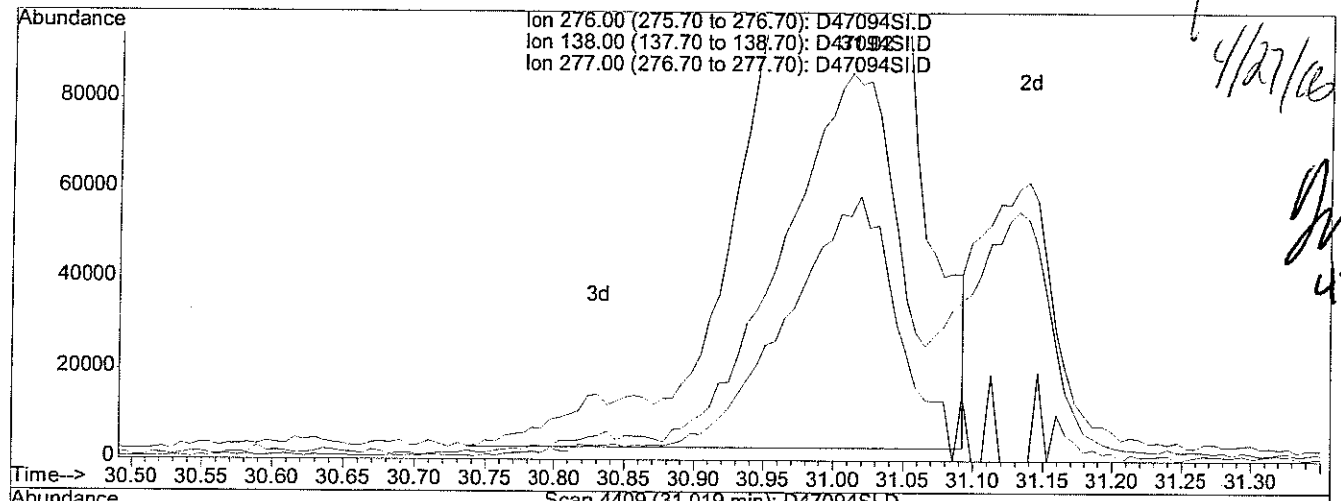
Vial: 6
Operator:
Inst : D Instrum
Multiplr: 1.00

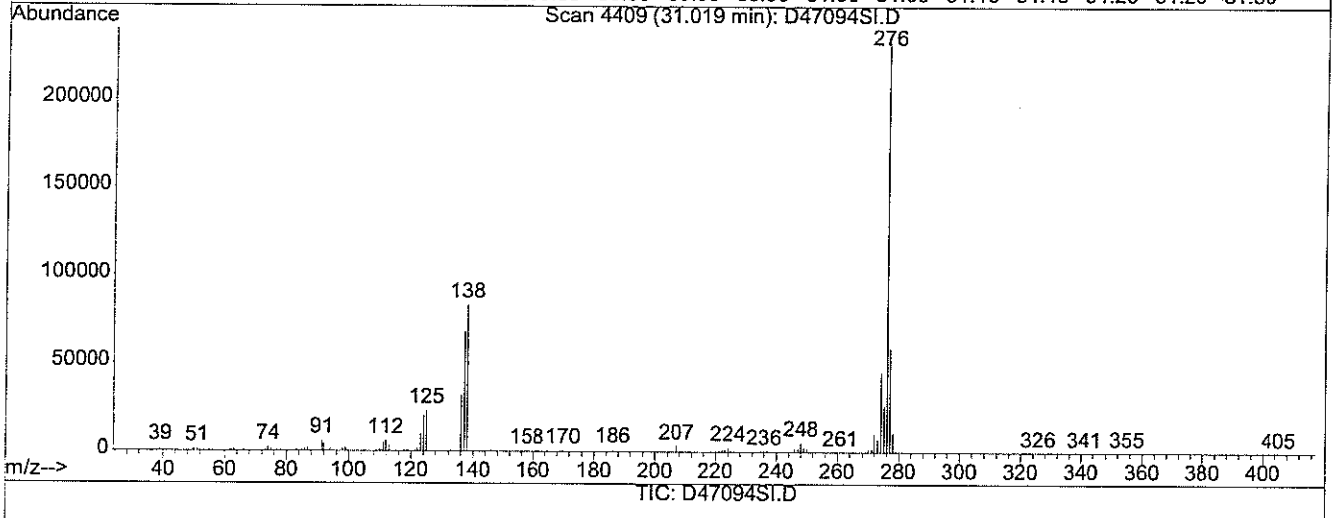
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:58:34 2006
Response via : Multiple Level Calibration

4/27/06

4-27-06





TIC: D47094SI.D

(84) Indeno [1,2,3-cd] pyrene (TM)

31.02min 48.92ug/ml m

response 1436746

Ion	Exp%	Act%
276.00	100	100
138.00	35.80	33.79
277.00	24.70	23.01
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47095SI.D Vial: 7
Acq On : 26 Apr 2006 3:53 pm Operator:
Sample : S6740 PT4 50/100 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 20:01 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4-27-06 4/27/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.81	152	562023	40.00	ug/ml	0.00
19) d8-Naphthalene	8.75	136	2016852	40.00	ug/ml	0.02
35) d10-Acenaphthene	13.04	164	964985	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.61	188	1582806	40.00	ug/ml	0.00
71) d12-Chrysene	23.06	240	1238077	40.00	ug/ml	0.00
79) d12-Perylene	27.10	264	1268180	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.52	112	1897788	97.51	ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 130.01%#			
5) d5-Phenol	5.41	99	2405449	113.64	ug/ml	-0.02
Spiked Amount 75.000	Range 22 - 110		Recovery = 151.52%#			
20) d5-nitrobenzene	7.16	82	2257709	98.68	ug/ml	0.03
Spiked Amount 50.000	Range 45 - 107		Recovery = 197.36%#			
39) 2-Fluorobiphenyl	11.45	172	2954371	95.19	ug/ml	0.02
Spiked Amount 50.000	Range 44 - 102		Recovery = 190.38%#			
60) 2,4,6-Tribromophenol	15.03	330	562313	97.05	ug/ml	0.02
Spiked Amount 75.000	Range 63 - 127		Recovery = 129.40%#			
73) d14-p-terphenyl	20.57	244	2621339	97.20	ug/ml	0.02
Spiked Amount 50.000	Range 33 - 132		Recovery = 194.40%#			
Target Compounds						Qvalue
2) Pyridine	1.54	79	1629272	49.74	ug/ml	96
3) N-nitrosodimethylamine	1.52	42	923384	47.81	ug/ml	97
6) Aniline	5.24	93	1399913	48.00	ug/ml	99
7) Phenol	5.44	94	2478789	113.63	ug/ml	100
8) 2-Chlorophenol	5.52	128	1957574	95.47	ug/ml	100
9) bis(2-chloroethyl) ether	5.35	93	1016365	45.11	ug/ml	95
10) 1,3-Dichlorobenzene	5.72	146	1052847	48.58	ug/ml	99
11) 1,4-Dichlorobenzene	5.84	146	1070911	48.72	ug/ml	99
12) 1,2-Dichlorobenzene	6.25	146	1003961	49.06	ug/ml	99
13) Benzyl Alcohol	6.24	108	588428	52.50	ug/ml	98
14) 2-Methylphenol	6.69	108	1665249	98.51	ug/ml	99
15) bis(2-chloroisopropyl)ethe	6.54	45	1961015	48.31	ug/ml	99
16) 3+4-Methylphenol	7.04	108	1740959	98.29	ug/ml	98
17) Hexachloroethane	6.92	117	416190	48.05	ug/ml	99
18) N-nitroso-di-n-propylamine	6.89	70	808800	56.42	ug/ml	99
21) Nitrobenzene	7.19	123	532270	49.36	ug/ml	96
22) Isophorone	7.74	82	1938854	55.99	ug/ml	98
23) 2-Nitrophenol	7.94	139	1229156	103.04	ug/ml	97
24) 2,4-Dimethylphenol	8.21	107	1703801	98.00	ug/ml	100
25) Bis(2-chloroethoxy)methane	8.31	93	1154624	49.16	ug/ml	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47095SI.D Vial: 7
Acq On : 26 Apr 2006 3:53 pm Operator:
Sample : S6740 PT4 50/100 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 20:01 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Initial Calibration
DataAcq Meth : ABN

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26)	2,4-Dichlorophenol	8.64	162	1402810	101.17 ug/ml	100
27)	Benzoic Acid	8.83	105	1201379	184.42 ug/ml	96
28)	1,2,4-Trichlorobenzene	8.66	180	709294	49.68 ug/ml	97
29)	Naphthalene	8.80	128	2475705	48.48 ug/ml	100
30)	2,6-Dichlorophenol	9.09	162	1375483	100.14 ug/ml	97
31)	4-Chloroaniline	9.07	127	1151896	50.32 ug/ml	100
32)	Hexachlorobutadiene	9.23	225	436015	49.69 ug/ml	99
33)	4-Chloro-3-methylphenol	10.48	107	1460092	101.06 ug/ml	97
34)	2-Methylnaphthalene	10.46	141	1526458	51.62 ug/ml#	33
36)	Hexachlorocyclopentadiene	11.01	237	320633	65.02 ug/ml	99
37)	2,4,6-Trichlorophenol	11.33	196	929528	98.20 ug/ml	97
38)	2,4,5-Trichlorophenol	11.58	196	981241	98.64 ug/ml	99
40)	2-Chloronaphthalene	11.64	162	1434903	48.34 ug/ml	99
41)	2-Nitroaniline	12.07	138	688028	49.83 ug/ml	99
42)	2,6-Dinitrotoluene	12.76	165	435433	56.72 ug/ml	98
43)	Dimethyl Phthalate	12.60	163	1673606	54.20 ug/ml	99
44)	Acenaphthylene	12.66	152	2333367	48.94 ug/ml	100
45)	3-Nitroaniline	13.11	138	530391	49.40 ug/ml	97
46)	Acenaphthene	13.11	154	1308623	48.03 ug/ml	99
47)	2,4-dinitrophenol	13.37	184	522875	161.91 ug/ml	100
48)	Dibenzofuran	13.51	168	1898206	47.99 ug/ml	99
49)	4-Nitrophenol	14.01	109	436170	138.87 ug/ml	99
50)	2,4-Dinitrotoluene	13.71	165	548574	56.24 ug/ml	99
51)	2,3,4,6-Tetrachlorophenol	14.03	232	763805	104.99 ug/ml	99
52)	Fluorene	14.35	166	1490618	47.99 ug/ml	98
53)	Diethyl Phthalate	14.33	149	1743668	53.57 ug/ml	99
54)	4-Chlorophenyl phenyl eth	14.39	204	758323	48.99 ug/ml	96
55)	4-Nitroaniline	14.66	138	470930	51.39 ug/ml	96
56)	4,6-Dinitro-2-methylphenol	14.72	198	631730	120.22 ug/ml	99
57)	n-nitrosodiphenylamine	14.74	169	1028558	54.65 ug/ml	99
58)	Azobenzene	14.77	77	2423189	49.92 ug/ml#	86
59)	Biphenyl	11.65	154	1802252	47.44 ug/ml	99
62)	4-bromophenyl phenyl ether	15.55	248	459545	49.52 ug/ml	95
63)	Hexachlorobenzene	15.88	284	512670	49.13 ug/ml	99
64)	Pentachlorophenol	16.43	266	602113	109.19 ug/ml	99
65)	Phenanthrene	16.67	178	2042797	48.68 ug/ml	99
66)	Anthracene	16.78	178	1961851	49.08 ug/ml	98
67)	Carbazole	17.26	167	1879992	53.75 ug/ml	99
68)	Di-n-butyl phthalate	18.27	149	2715407	46.79 ug/ml	99
69)	Fluoranthene	19.56	202	1993386	48.11 ug/ml	99
70)	Benzidine	19.97	184	280560	27.04 ug/ml	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47095SI.D Vial: 7
Acq On : 26 Apr 2006 3:53 pm Operator:
Sample : S6740 PT4 50/100 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 20:01 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Initial Calibration
DataAcq Meth : ABN

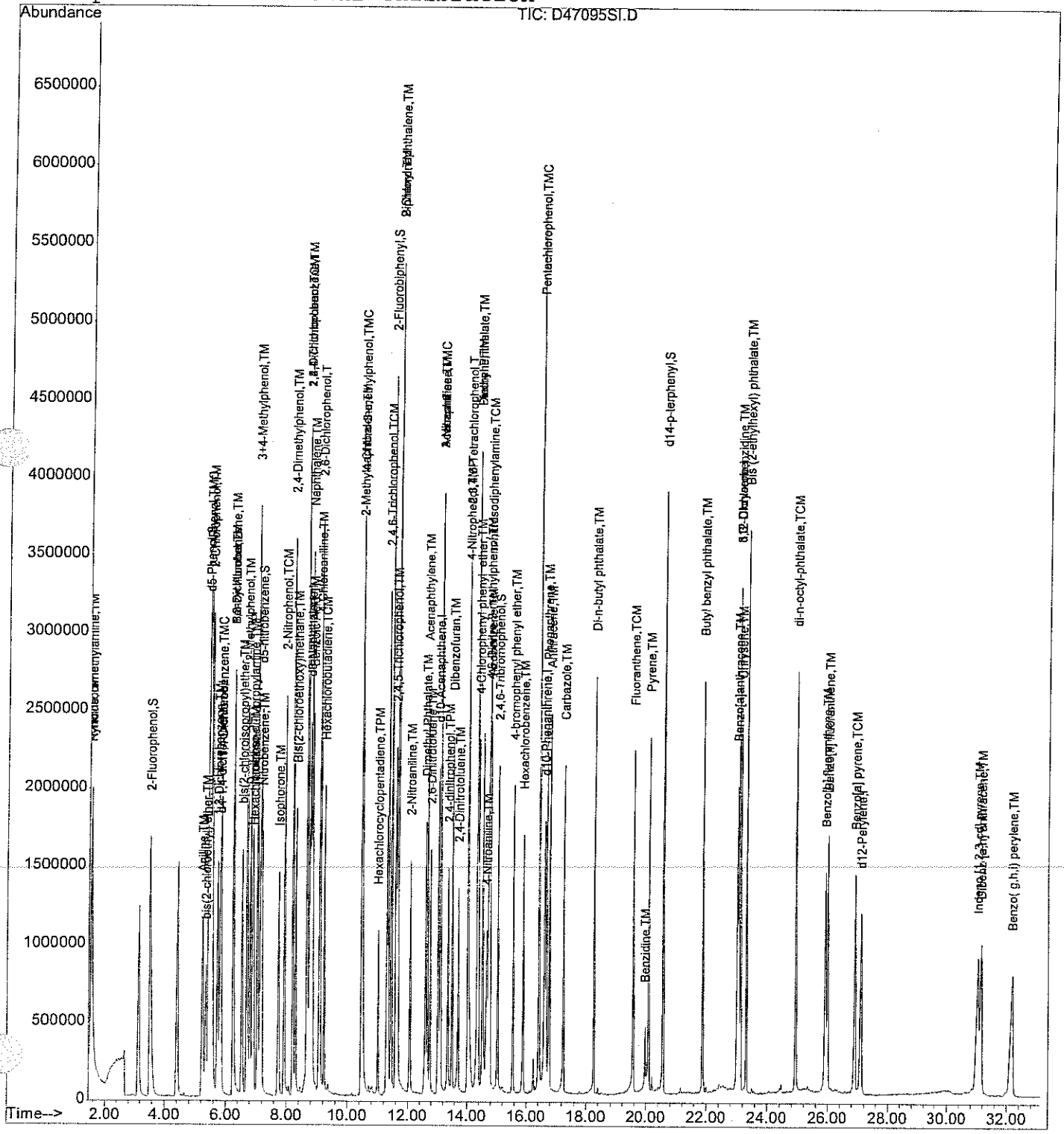
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
72) Pyrene	20.10	202	2081721	51.37 ug/ml	98
74) Butyl benzyl phthalate	21.88	149	1193715	48.56 ug/ml	100
75) Benzo[a]anthracene	23.02	228	1775978	48.76 ug/ml	100
76) Chrysene	23.13	228	1651682	49.65 ug/ml	100
77) 3,3'-Dichlorobenzidine	23.07	252	680172	51.49 ug/ml	99
78) Bis (2-ethylhexyl) phthala	23.33	149	1696971	50.49 ug/ml	99
80) di-n-octyl-phthalate	24.93	149	2782646	45.66 ug/ml	100
81) Benzo[b] fluoranthene	25.92	252	1845130	54.39 ug/ml	99
82) Benzo[k] fluoranthene	26.01	252	1665343	45.06 ug/ml	99
83) Benzo[a] pyrene	26.92	252	1677800	55.17 ug/ml	98
84) Indeno [1,2,3-cd] pyrene	31.04	276	1675163m	53.89 ug/ml	
85) Dibenz [a,h] anthracene	31.16	278	1555064	56.35 ug/ml	99
86) Benzo(g,h,i) perylene	32.19	276	1581551	55.27 ug/ml	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042606-D\D47095SI.D Vial: 7
Acq On : 26 Apr 2006 3:53 pm Operator:
Sample : S6740 PT4 50/100 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:01 2006 Quant Results File: S04266.RES

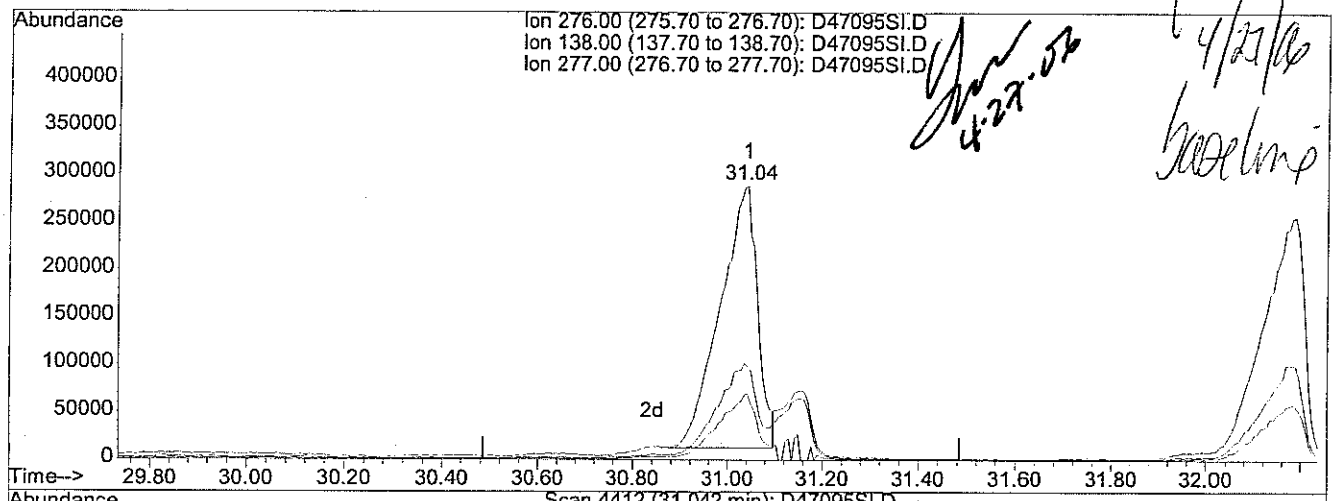
Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:49:30 2006
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47095SI.D Vial: 7
Acq On : 26 Apr 2006 3:53 pm Operator:
Sample : S6740 PT4 50/100 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 19:18 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:58:34 2006
Response via : Multiple Level Calibration



TIC: D47095SI.D

(84) Indeno [1,2,3-cd] pyrene (TM)

31.04min 48.79ug/ml

response 1516834

Ion	Exp%	Act%
276.00	100	100
138.00	35.80	40.00
277.00	24.70	27.31
0.00	0.00	0.00

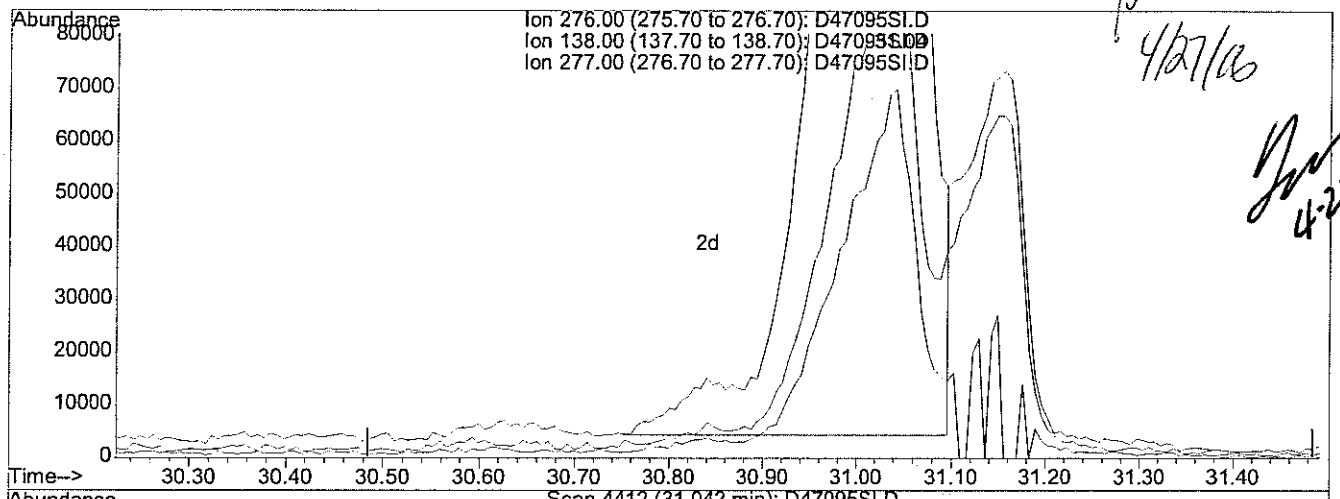
Quantitation Report (Qedit)

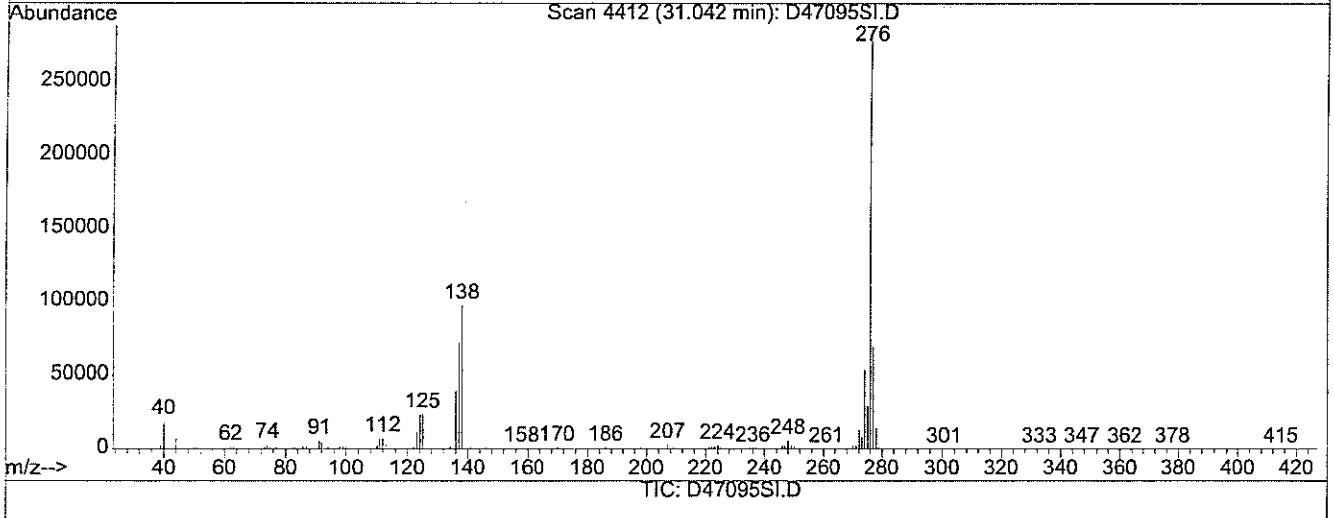
Data File : D:\HPCHEM\1\DATA\042606-D\D47095SI.D Vial: 7
Acq On : 26 Apr 2006 3:53 pm Operator:
Sample : S6740 PT4 50/100 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:01 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:58:34 2006
Response via : Multiple Level Calibration

4/27/06

4-27-06





TIC: D47095SI.D

(84) Indeno [1,2,3-cd] pyrene (TM)

31.04min 53.89ug/ml m

response 1675163

Ion	Exp%	Act%
276.00	100	100
138.00	35.80	36.22
277.00	24.70	24.73
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47096SI.D Vial: 8
Acq On : 26 Apr 2006 4:26 pm Operator:
Sample : S6740 PT5 100/200 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 20:47 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:08:17 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4-27-06 4/27/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.82	152	577333	40.00	ug/ml	0.00
19) d8-Naphthalene	8.77	136	2164732	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.05	164	1051734	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.63	188	1676334	40.00	ug/ml	0.00
71) d12-Chrysene	23.08	240	1040707	40.00	ug/ml	0.00
79) d12-Perylene	27.11	264	1157812	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.51	112	3956353	197.90	ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 263.87%#			
5) d5-Phenol	5.40	99	4761765	219.00	ug/ml	0.00
Spiked Amount 75.000	Range 22 - 110		Recovery = 292.00%#			
20) d5-nitrobenzene	7.19	82	4679949	190.57	ug/ml	0.00
Spiked Amount 50.000	Range 45 - 107		Recovery = 381.14%#			
39) 2-Fluorobiphenyl	11.47	172	6128806	181.19	ug/ml	0.00
Spiked Amount 50.000	Range 44 - 102		Recovery = 362.38%#			
60) 2,4,6-Tribromophenol	15.06	330	1280352	202.75	ug/ml	0.00
Spiked Amount 75.000	Range 63 - 127		Recovery = 270.33%#			
73) d14-p-terphenyl	20.59	244	4698030	207.24	ug/ml	0.00
Spiked Amount 50.000	Range 33 - 132		Recovery = 414.48%#			
Target Compounds						Qvalue
2) Pyridine	1.54	79	3284641	97.62	ug/ml	99
3) N-nitrosodimethylamine	1.53	42	1915940	96.57	ug/ml	96
6) Aniline	5.26	93	2686756m	89.69	ug/ml	
7) Phenol	5.42	94	5038765	224.86	ug/ml	99
8) 2-Chlorophenol	5.54	128	4075948	193.51	ug/ml	98
9) bis(2-chloroethyl) ether	5.37	93	2228405m	96.28	ug/ml	
10) 1,3-Dichlorobenzene	5.74	146	2164303	97.22	ug/ml	100
11) 1,4-Dichlorobenzene	5.86	146	2184628	96.75	ug/ml	100
12) 1,2-Dichlorobenzene	6.26	146	2085083	99.18	ug/ml	99
13) Benzyl Alcohol	6.27	108	1327625	115.32	ug/ml	94
14) 2-Methylphenol	6.68	108	3368840	194.00	ug/ml	100
15) bis(2-chloroisopropyl)ethe	6.55	45	4055820	97.27	ug/ml	98
16) 3+4-Methylphenol	7.06	108	3407467	187.27	ug/ml	97
17) Hexachloroethane	6.92	117	861492	96.82	ug/ml	100
18) N-nitroso-di-n-propylamine	6.94	70	1669618	113.38	ug/ml	93
21) Nitrobenzene	7.23	123	1131249	97.73	ug/ml	92
22) Isophorone	7.81	82	4072843	109.59	ug/ml	99
23) 2-Nitrophenol	7.96	139	2533320	197.86	ug/ml	98
24) 2,4-Dimethylphenol	8.23	107	3512160	188.21	ug/ml#	96
25) Bis(2-chloroethoxy)methane	8.33	93	2371396	94.08	ug/ml	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47096SI.D Vial: 8
Acq On : 26 Apr 2006 4:26 pm Operator:
Sample : S6740 PT5 100/200 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 20:47 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:08:17 2006
Response via : Initial Calibration
DataAcq Meth : ABN

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
26)	2,4-Dichlorophenol	8.65	162	2879955	193.52	ug/ml	97
27)	Benzoic Acid	8.96	105	2705903	387.00	ug/ml	94
28)	1,2,4-Trichlorobenzene	8.68	180	1510813	98.59	ug/ml	97
29)	Naphthalene	8.82	128	5422642	98.94	ug/ml	100
30)	2,6-Dichlorophenol	9.12	162	2862055	194.13	ug/ml	95
31)	4-Chloroaniline	9.09	127	2298560	93.55	ug/ml	99
32)	Hexachlorobutadiene	9.25	225	904015	95.98	ug/ml	99
33)	4-Chloro-3-methylphenol	10.47	107	2973943	191.77	ug/ml	96
34)	2-Methylnaphthalene	10.47	141	3150913	99.28	ug/ml#	37
36)	Hexachlorocyclopentadiene	11.02	237	730025	135.83	ug/ml	100
37)	2,4,6-Trichlorophenol	11.36	196	1984375	192.35	ug/ml	99
38)	2,4,5-Trichlorophenol	11.57	196	2180461	201.12	ug/ml	99
40)	2-Chloronaphthalene	11.68	162	2955534	91.36	ug/ml	99
41)	2-Nitroaniline	12.10	138	1503960	99.94	ug/ml	97
42)	2,6-Dinitrotoluene	12.79	165	935840	111.84	ug/ml	99
43)	Dimethyl Phthalate	12.63	163	3299351	98.03	ug/ml	98
44)	Acenaphthylene	12.67	152	4767603	91.75	ug/ml#	74
45)	3-Nitroaniline	13.14	138	1167054	99.74	ug/ml	87
46)	Acenaphthene	13.14	154	3252509	109.54	ug/ml	86
47)	2,4-dinitrophenol	13.40	184	1256765	357.05	ug/ml#	1
48)	Dibenzofuran	13.53	168	3854162	89.40	ug/ml	99
49)	4-Nitrophenol	13.98	109	921645	269.24	ug/ml	95
50)	2,4-Dinitrotoluene	13.74	165	1216885	114.46	ug/ml	93
51)	2,3,4,6-Tetrachlorophenol	14.04	232	1642661	207.16	ug/ml	95
52)	Fluorene	14.37	166	3217577	95.05	ug/ml	97
53)	Diethyl Phthalate	14.37	149	2730740	76.97	ug/ml	97
54)	4-Chlorophenyl phenyl eth	14.41	204	1545531	91.62	ug/ml#	59
55)	4-Nitroaniline	14.71	138	885757	88.68	ug/ml#	1
56)	4,6-Dinitro-2-methylphenol	14.76	198	1121085	195.75	ug/ml	98
57)	n-nitrosodiphenylamine	14.77	169	2189518	106.74	ug/ml	98
58)	Azobenzene	14.80	77	6089888	115.11	ug/ml#	80
59)	Biphenyl	11.67	154	3751455	90.59	ug/ml	98
62)	4-bromophenyl phenyl ether	15.57	248	957300	97.41	ug/ml	95
63)	Hexachlorobenzene	15.90	284	1074559	97.23	ug/ml	96
64)	Pentachlorophenol	16.45	266	1360002	232.86	ug/ml#	89
65)	Phenanthrene	16.69	178	4451596m	100.16	ug/ml	
66)	Anthracene	16.79	178	3777025m	89.22	ug/ml	
67)	Carbazole	17.28	167	3903941	105.39	ug/ml	99
68)	Di-n-butyl phthalate	18.28	149	4256783	69.25	ug/ml	99
69)	Fluoranthene	19.58	202	3866953m	88.12	ug/ml	
70)	Benzidine	19.98	184	449575	40.91	ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47096SI.D Vial: 8
Acq On : 26 Apr 2006 4:26 pm Operator:
Sample : S6740 PT5 100/200 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 20:47 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:08:17 2006
Response via : Initial Calibration
DataAcq Meth : ABN

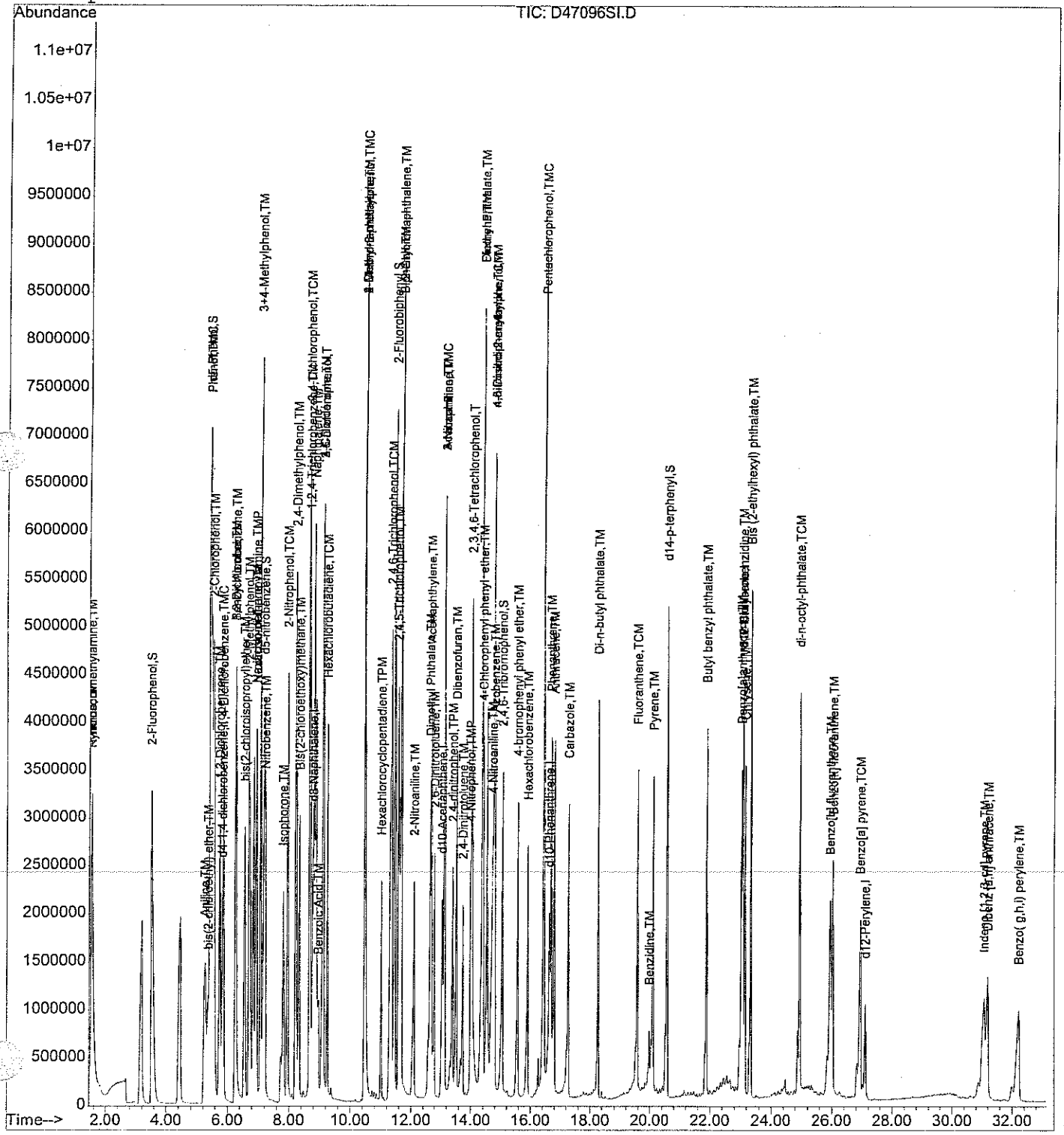
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
72) Pyrene	20.11	202	4283843	125.75 ug/ml	99
74) Butyl benzyl phthalate	21.89	149	1878290	90.90 ug/ml	99
75) Benzo[a]anthracene	23.04	228	3728906	121.80 ug/ml	99
76) Chrysene	23.15	228	2686585	96.07 ug/ml	100
77) 3,3'-Dichlorobenzidine	23.09	252	1125030	101.32 ug/ml	98
78) Bis (2-ethylhexyl) phthala	23.34	149	2742590	97.07 ug/ml	91
80) di-n-octyl-phthalate	24.95	149	4535473	81.52 ug/ml	99
81) Benzo[b] fluoranthene	25.95	252	3957929m	127.79 ug/ml	
82) Benzo[k] fluoranthene	26.03	252	2768038m	82.03 ug/ml	
83) Benzo[a] pyrene	26.95	252	3199897	115.25 ug/ml	100
84) Indeno [1,2,3-cd] pyrene	31.07	276	2674242m	94.23 ug/ml	
85) Dibenz [a,h] anthracene	31.19	278	2238082m	88.84 ug/ml	
86) Benzo(g,h,i) perylene	32.22	276	2495587	95.52 ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042606-D\D47096SI.D Vial: 8
Acq On : 26 Apr 2006 4:26 pm Operator:
Sample : S6740 PT5 100/200 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:47 2006 Quant Results File: S04266.RES

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:08:17 2006
Response via : Initial Calibration

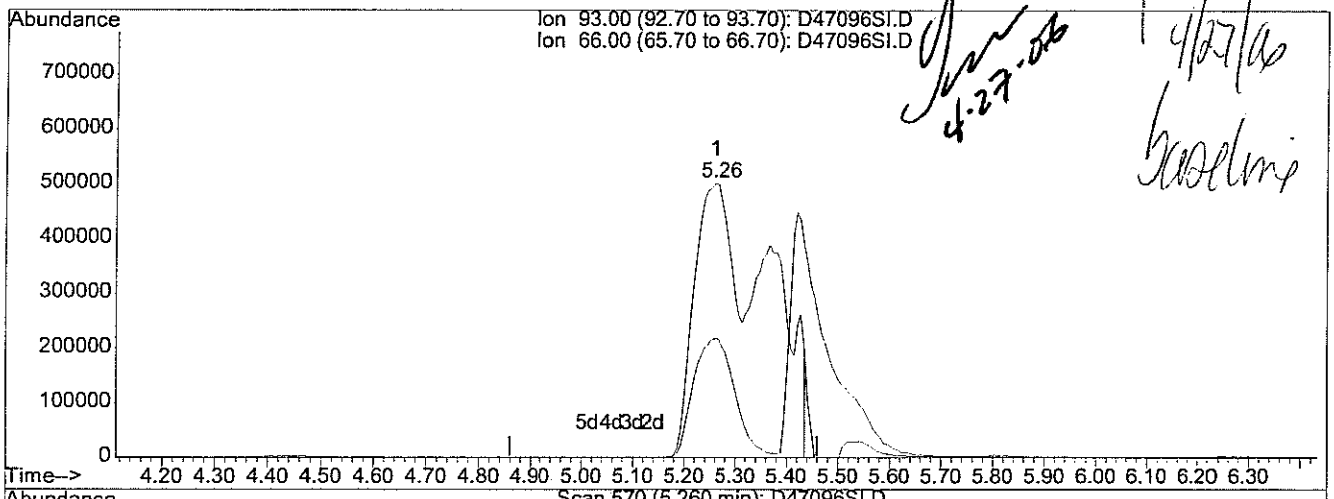


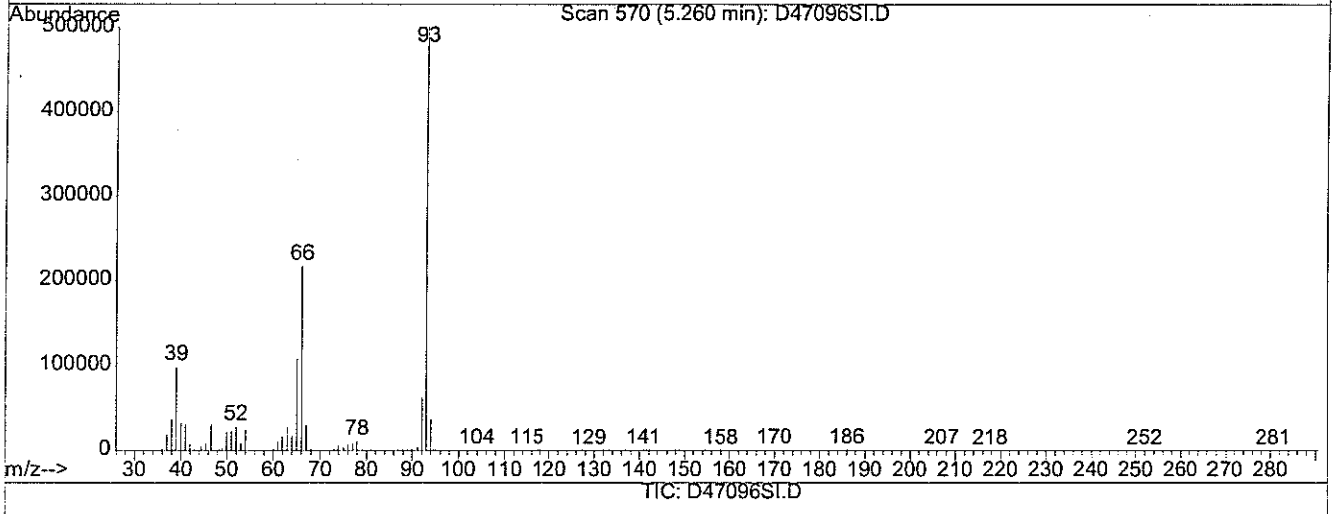
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47096SI.D Vial: 8
Acq On : 26 Apr 2006 4:26 pm Operator:
Sample : S6740 PT5 100/200 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:41 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:08:17 2006
Response via : Multiple Level Calibration

4-27-06 4/27/06





(6) Aniline (TM)

5.26min 161.90ug/ml

response 4850058

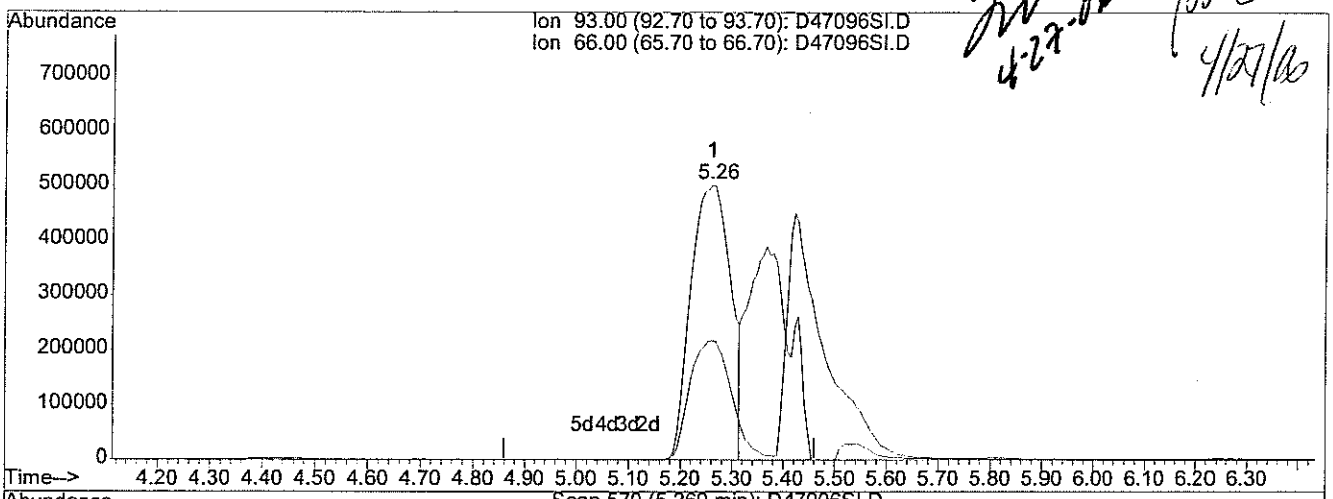
Ion	Exp%	Act%
93.00	100	100
66.00	45.90	25.17#
0.00	0.00	0.00
0.00	0.00	0.00

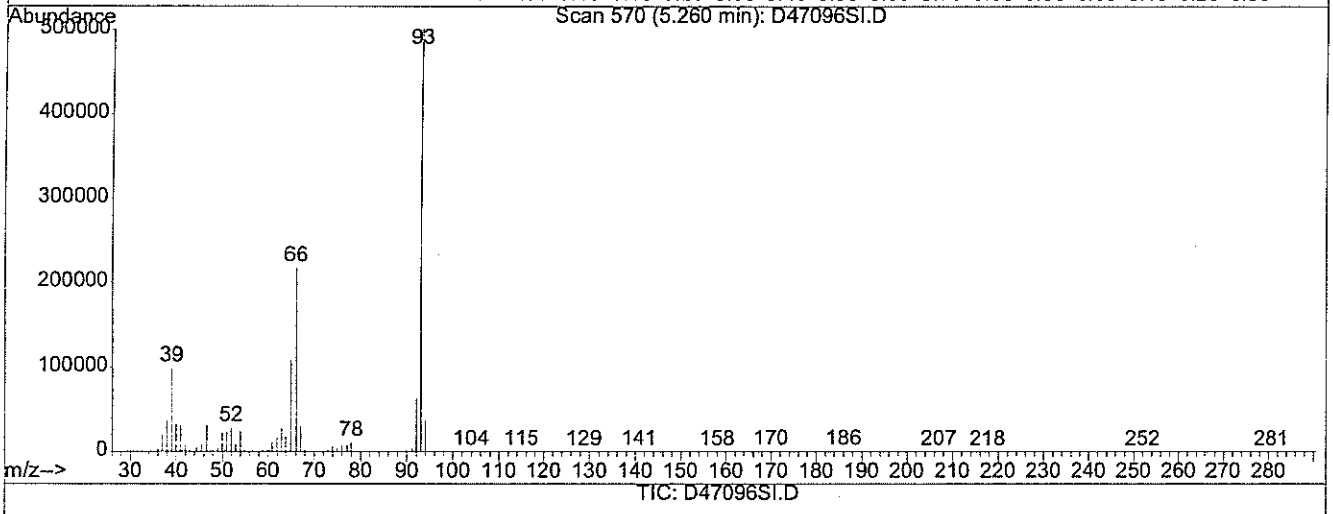
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47096SI.D Vial: 8
Acq On : 26 Apr 2006 4:26 pm Operator:
Sample : S6740 PT5 100/200 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:43 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:08:17 2006
Response via : Multiple Level Calibration

4-27-06 4/27/06





(6) Aniline (TM)

5.26min 89.69ug/ml m

response 2686756

Ion	Exp%	Act%
93.00	100	100
66.00	45.90	45.44
0.00	0.00	0.00
0.00	0.00	0.00

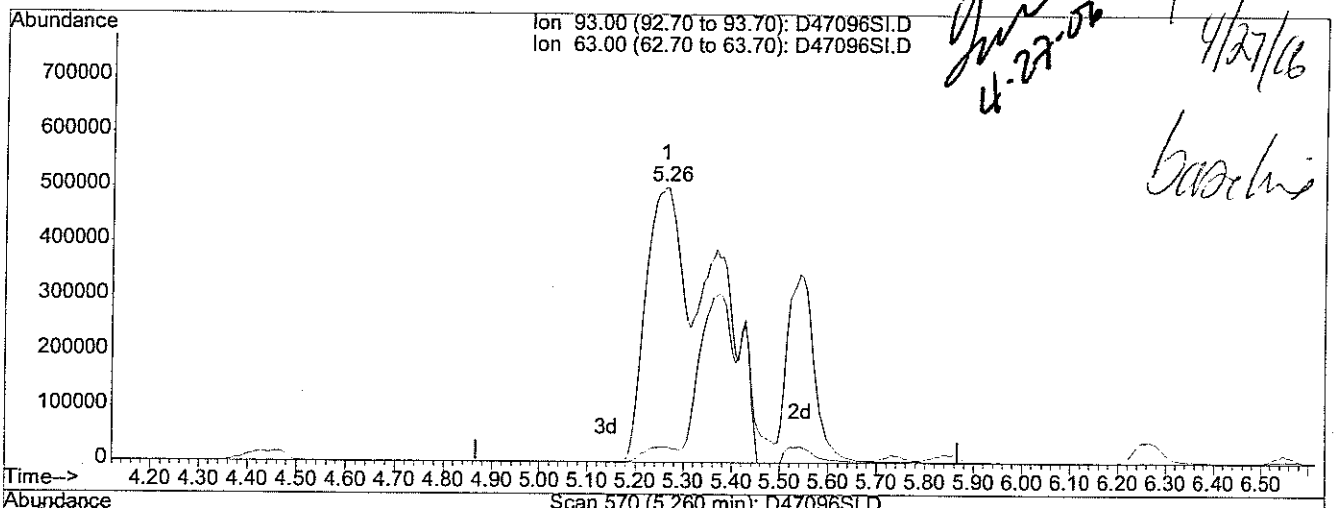
Quantitation Report (Qedit)

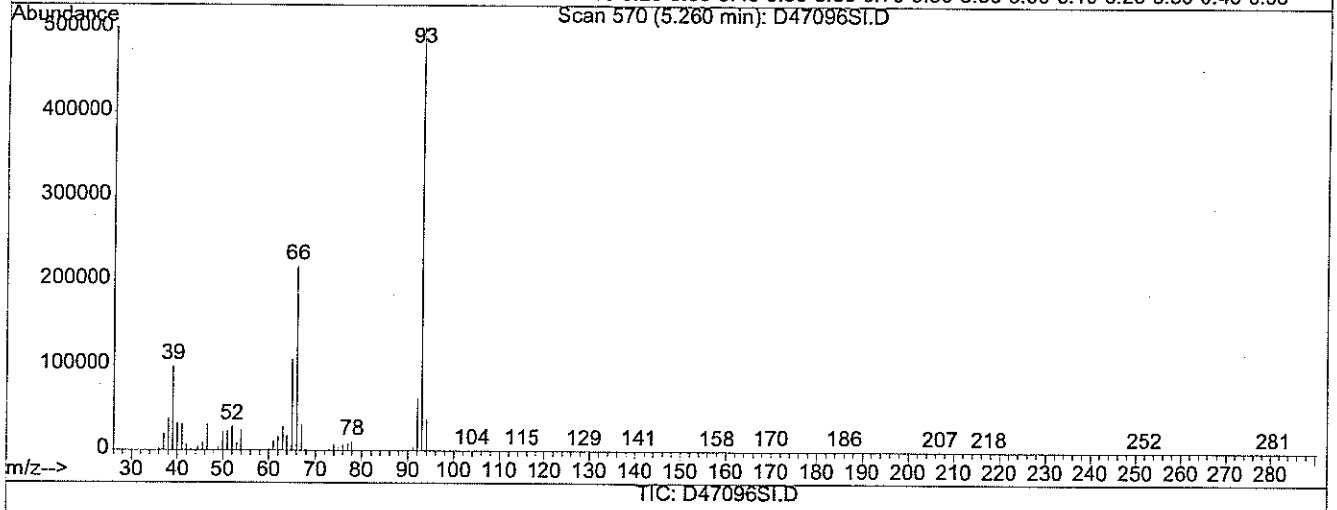
Data File : D:\HPCHEM\1\DATA\042606-D\D47096SI.D
Acq On : 26 Apr 2006 4:26 pm
Sample : S6740 PT5 100/200
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:43 2006

Vial: 8
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:08:17 2006
Response via : Multiple Level Calibration





(9) bis(2-chloroethyl) ether (TM)

5.26min 212.40ug/ml

response 4915914

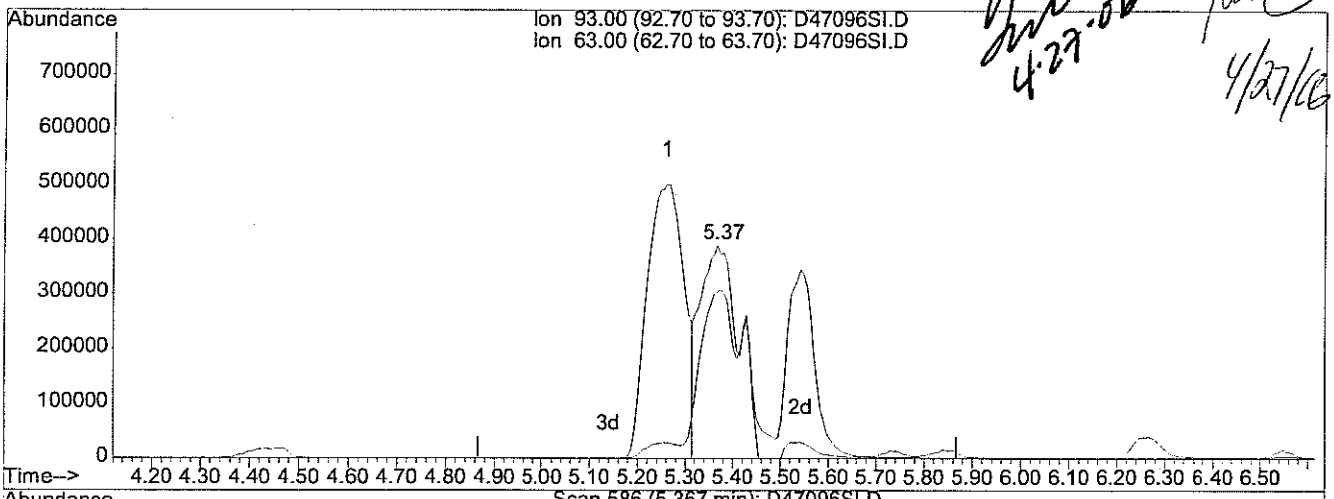
Ion	Exp%	Act%
93.00	100	100
63.00	75.60	3.02#
0.00	0.00	0.00
0.00	0.00	0.00

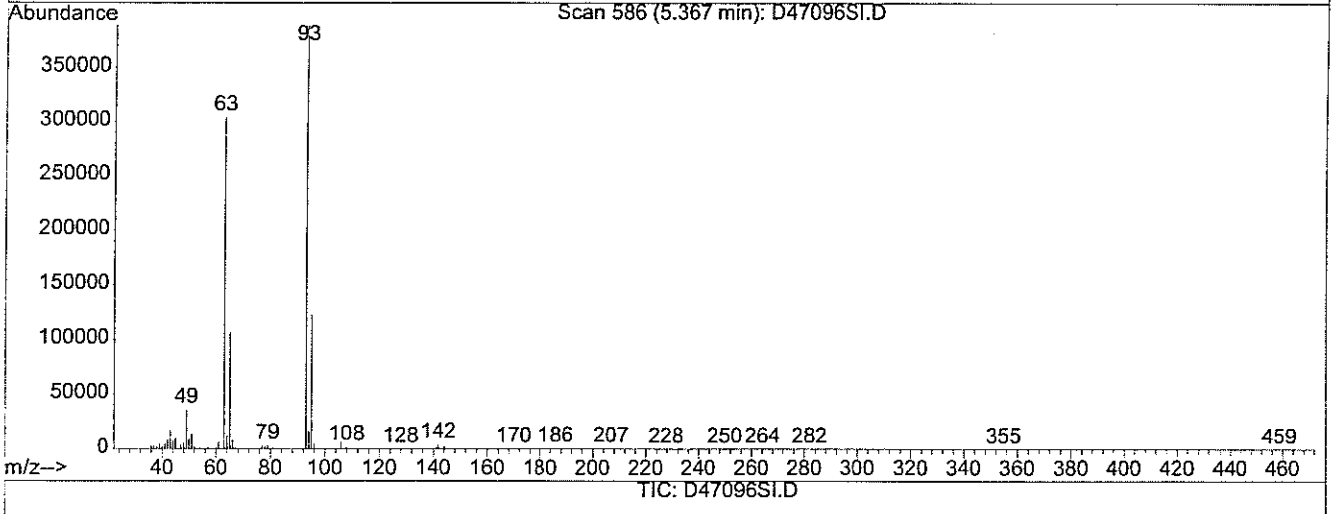
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47096SI.D Vial: 8
Acq On : 26 Apr 2006 4:26 pm Operator:
Sample : S6740 PT5 100/200 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:43 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:08:17 2006
Response via : Multiple Level Calibration

4-27-06 4/27/06





(9) bis(2-chloroethyl) ether (TM)

5.37min 96.28ug/ml m

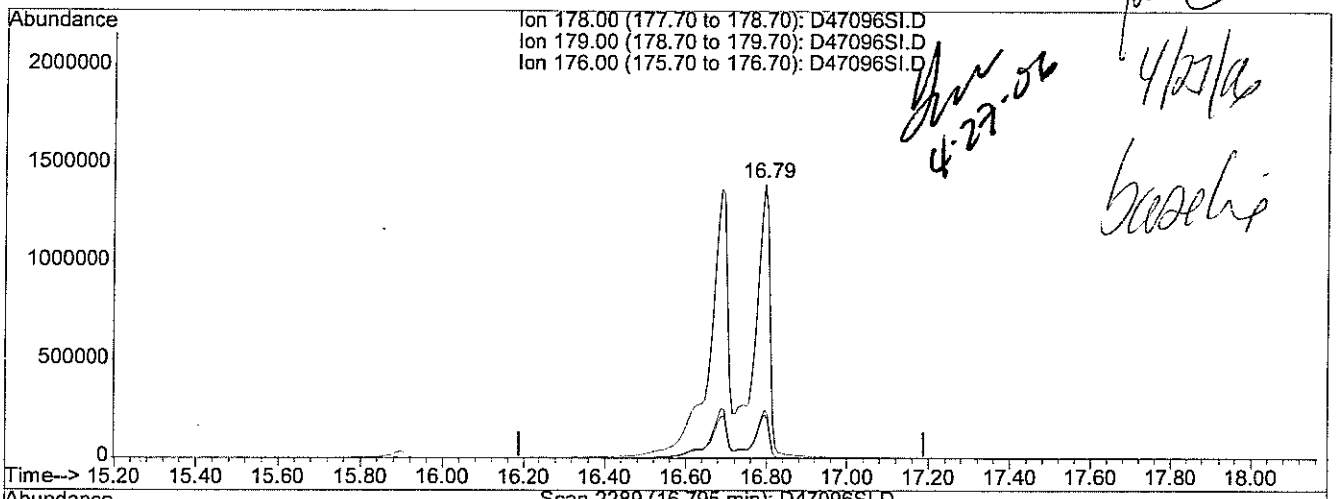
response 2228405

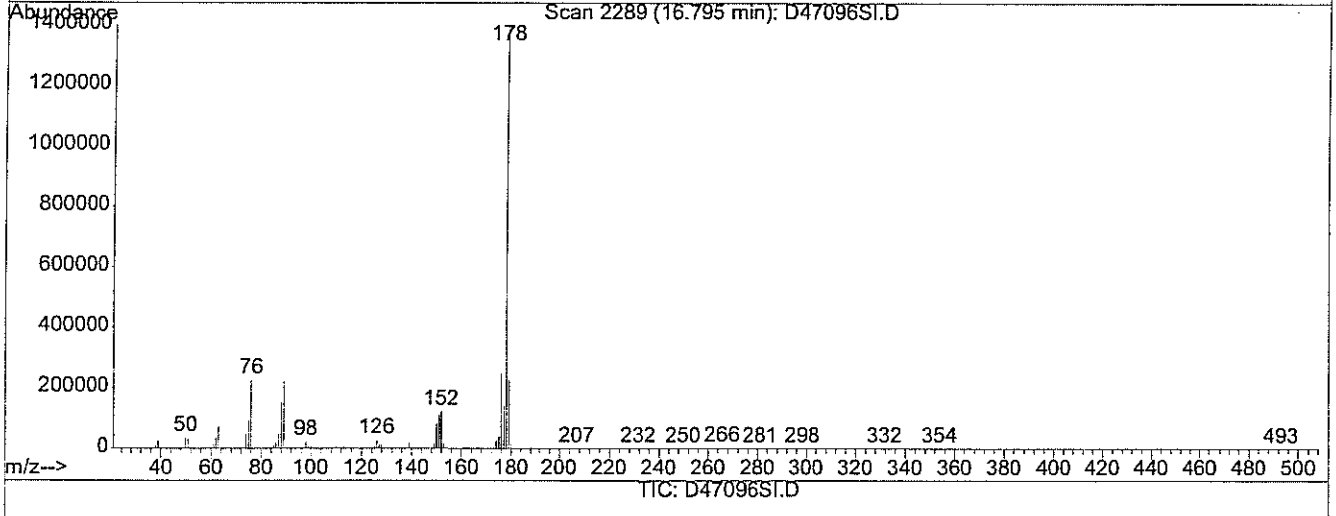
Ion	Exp%	Act%
93.00	100	100
63.00	75.60	6.67#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47096SI.D Vial: 8
Acq On : 26 Apr 2006 4:26 pm Operator:
Sample : S6740 PT5 100/200 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:43 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:08:17 2006
Response via : Multiple Level Calibration





TIC: D47096SI.D

(65) Phenanthrene (TM)

16.79min 186.09ug/ml

response 8270307

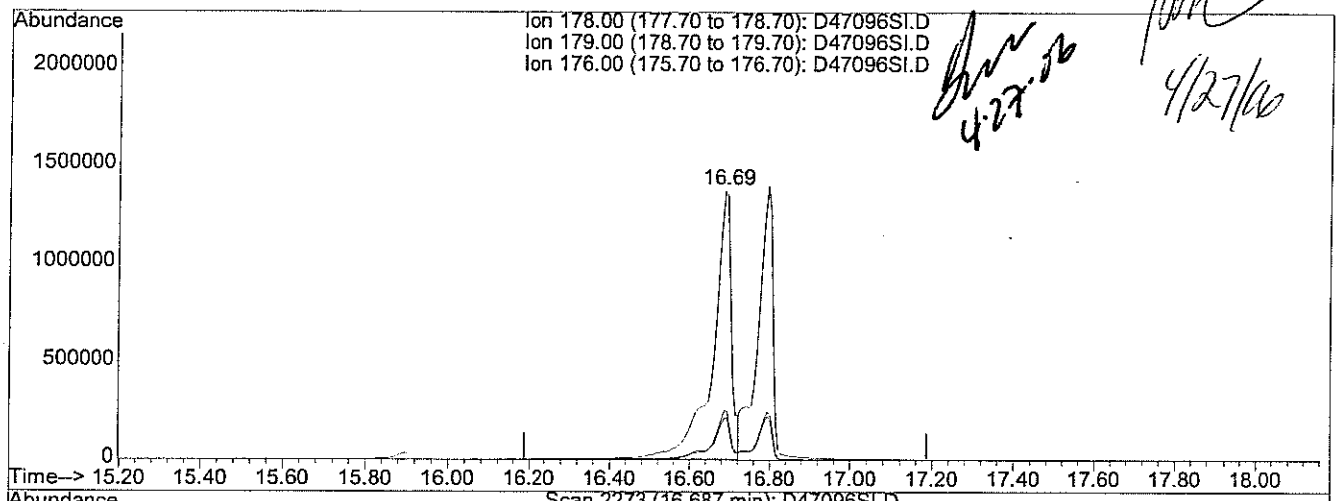
Ion	Exp%	Act%
178.00	100	100
179.00	15.60	15.55
176.00	17.80	17.64
0.00	0.00	0.00

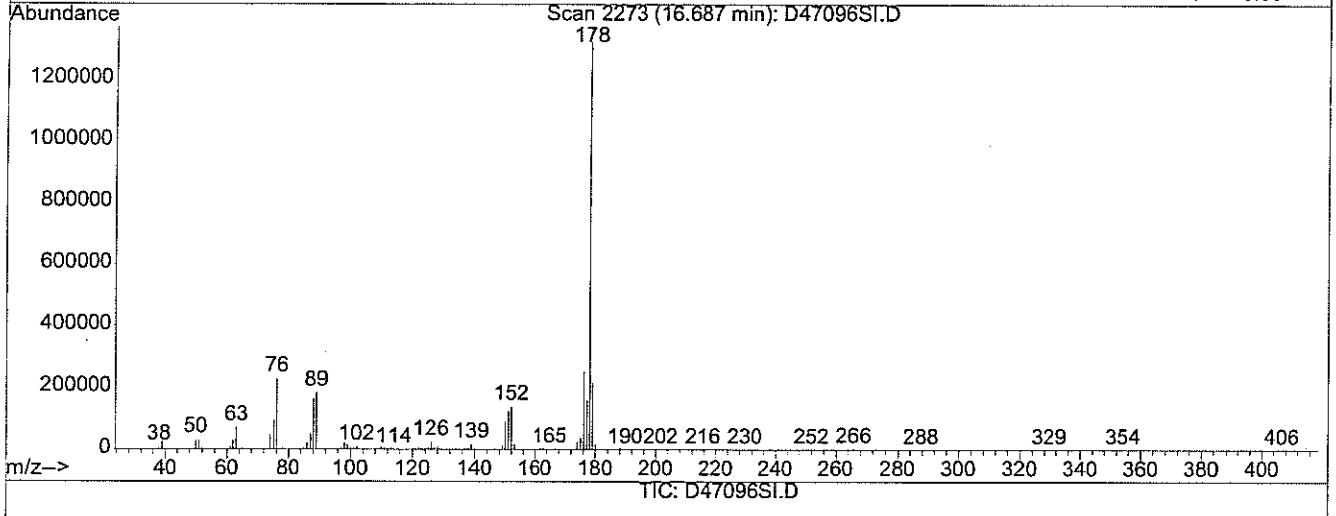
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47096SI.D Vial: 8
Acq On : 26 Apr 2006 4:26 pm Operator:
Sample : S6740 PT5 100/200 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:44 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:08:17 2006
Response via : Multiple Level Calibration

4-27-06 4/27/06





(65) Phenanthrene (TM)

16.69min 100.16ug/ml m

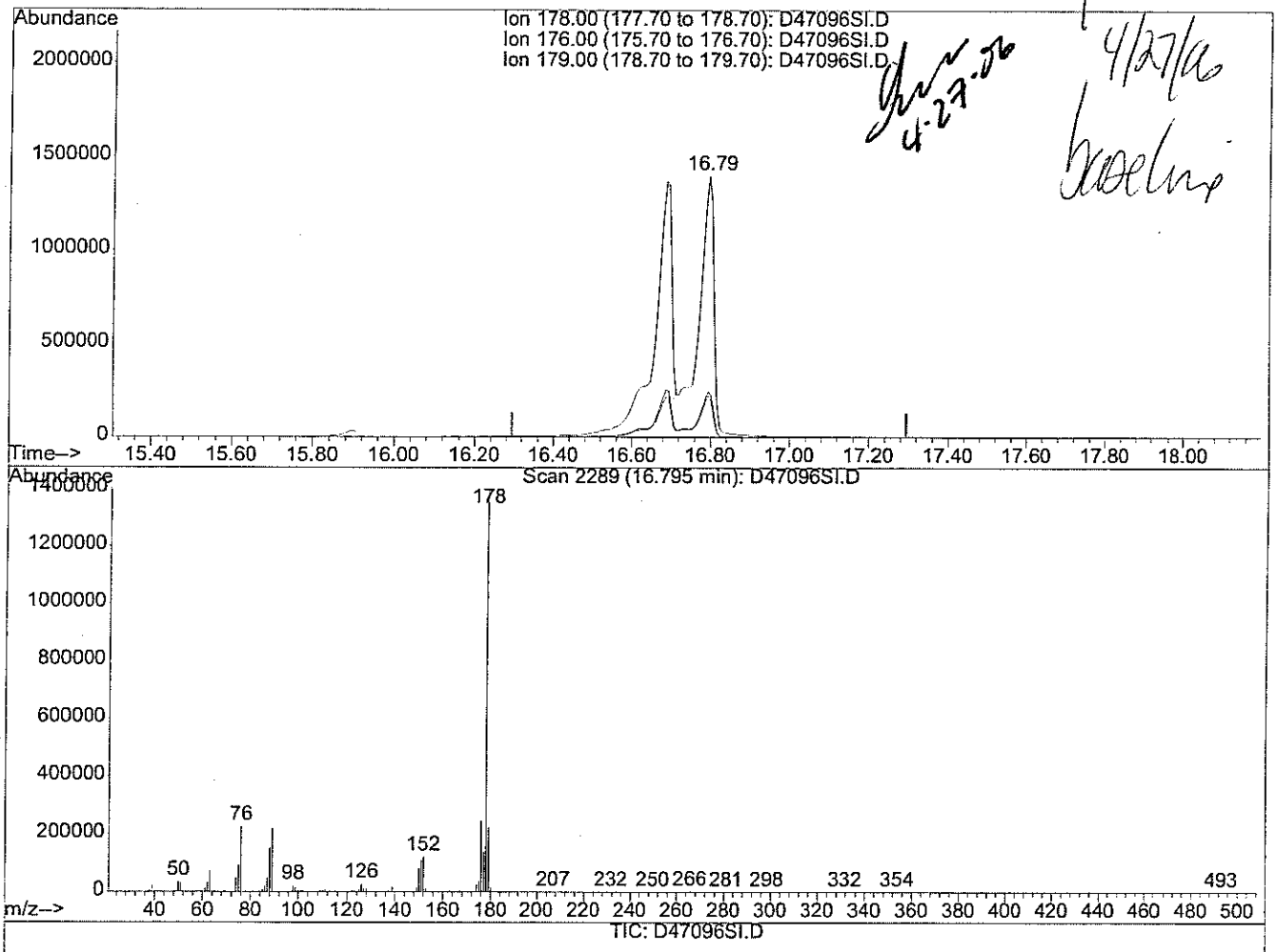
response 4451596

Ion	Exp%	Act%
178.00	100	100
179.00	15.60	28.88#
176.00	17.80	32.78#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47096SI.D Vial: 8
Acq On : 26 Apr 2006 4:26 pm Operator:
Sample : S6740 PT5 100/200 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:44 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:08:17 2006
Response via : Multiple Level Calibration



(66) Anthracene (TM)

16.79min 194.20ug/ml

response 8220770

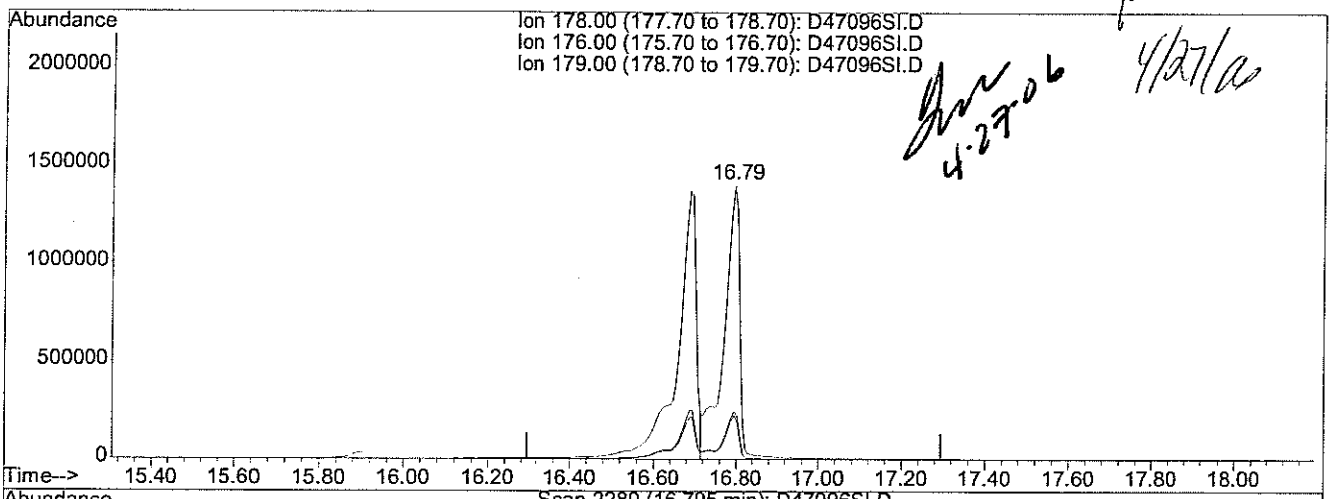
Ion	Exp%	Act%
178.00	100	100
176.00	17.00	17.71
179.00	14.80	15.66
0.00	0.00	0.00

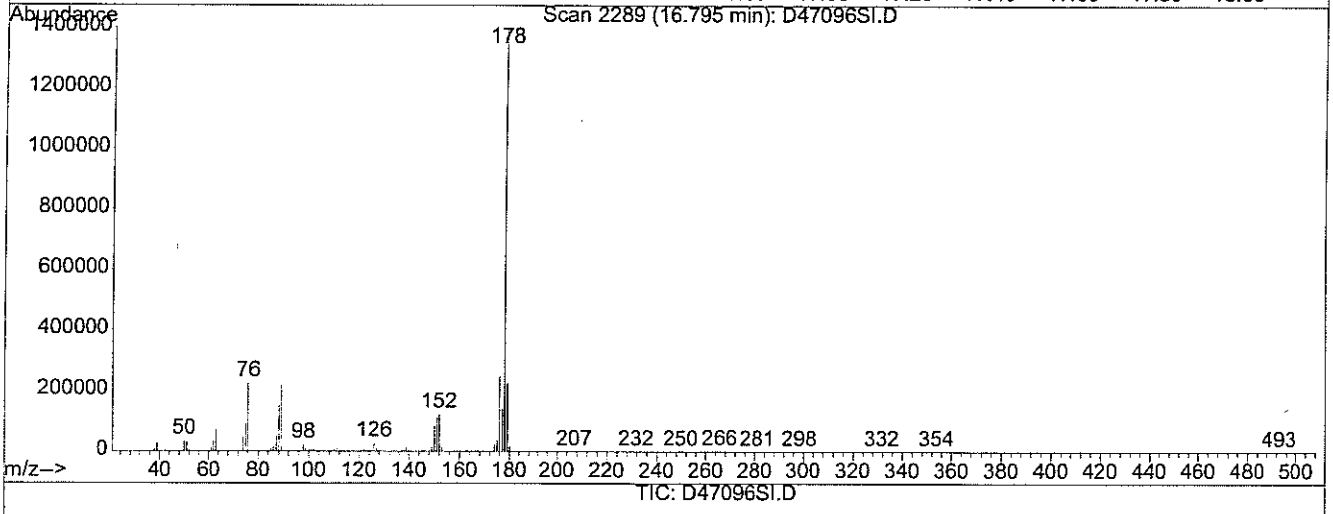
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47096SI.D Vial: 8
Acq On : 26 Apr 2006 4:26 pm Operator:
Sample : S6740 PT5 100/200 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:45 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:08:17 2006
Response via : Multiple Level Calibration

4/27/06





TIC: D47096SI.D

(66) Anthracene (TM)

16.79min 89.22ug/ml m

response 3777025

Ion	Exp%	Act%
178.00	100	100
176.00	17.00	38.55#
179.00	14.80	34.09#
0.00	0.00	0.00

Quantitation Report (Qedit)

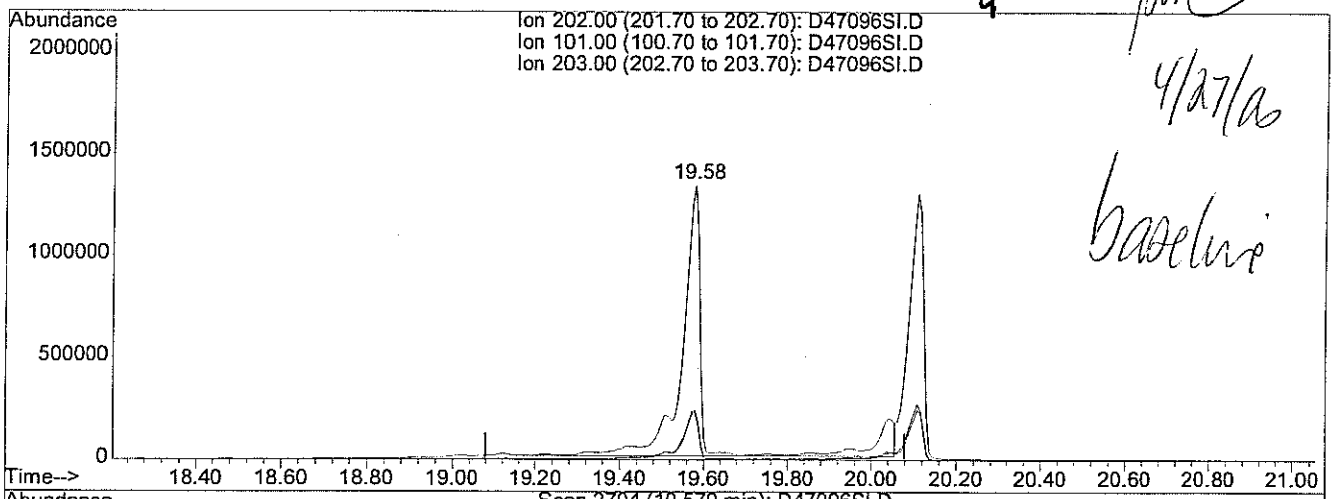
Data File : D:\HPCHEM\1\DATA\042606-D\D47096SI.D Vial: 8
Acq On : 26 Apr 2006 4:26 pm Operator:
Sample : S6740 PT5 100/200 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:45 2006 Quant Results File: temp.res

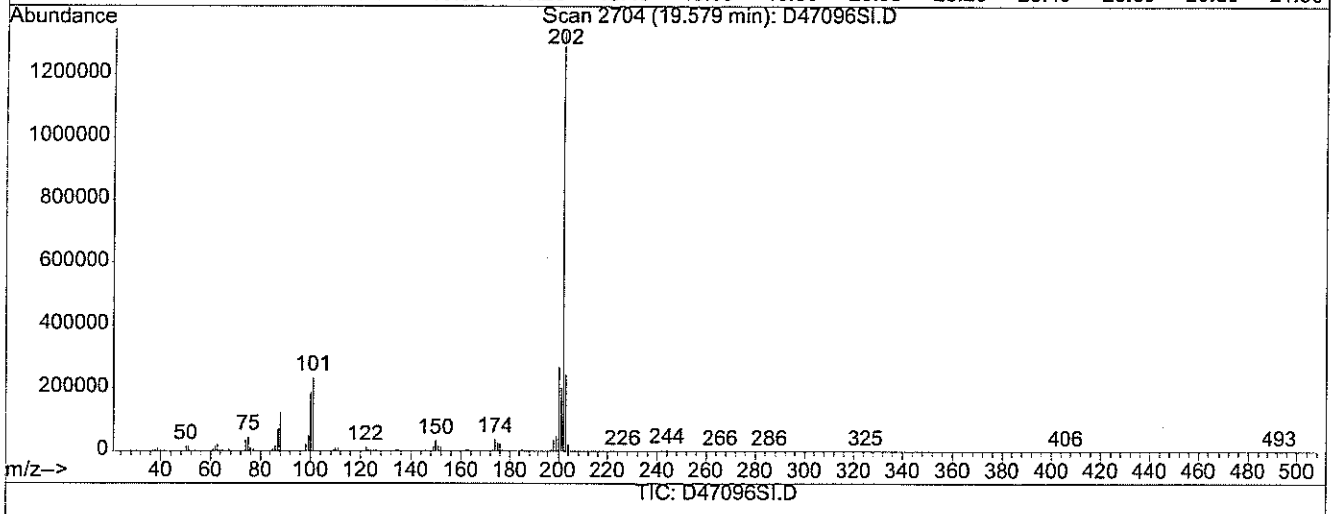
Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:08:17 2006
Response via : Multiple Level Calibration

4.27.06

4/27/06

baseline





TIC: D47096SI.D

(69) Fluoranthene (TCM)

19.58min 104.40ug/ml

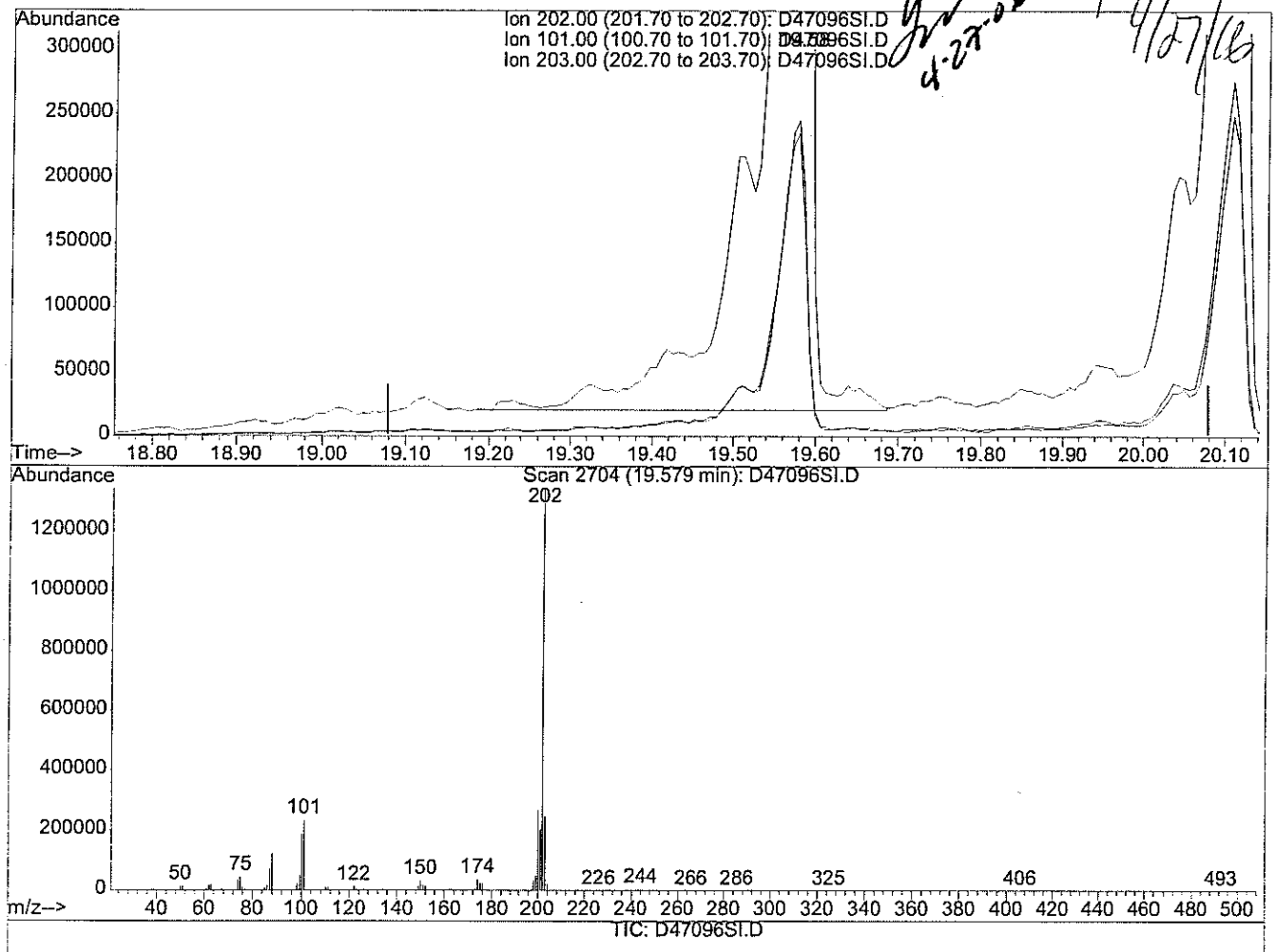
response 4581051

Ion	Exp%	Act%
202.00	100	100
101.00	17.90	14.73
203.00	17.80	15.42
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47096SI.D Vial: 8
Acq On : 26 Apr 2006 4:26 pm Operator:
Sample : S6740 PT5 100/200 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:45 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:08:17 2006
Response via : Multiple Level Calibration



(69) Fluoranthene (TCM)

19.58min 88.12ug/ml m

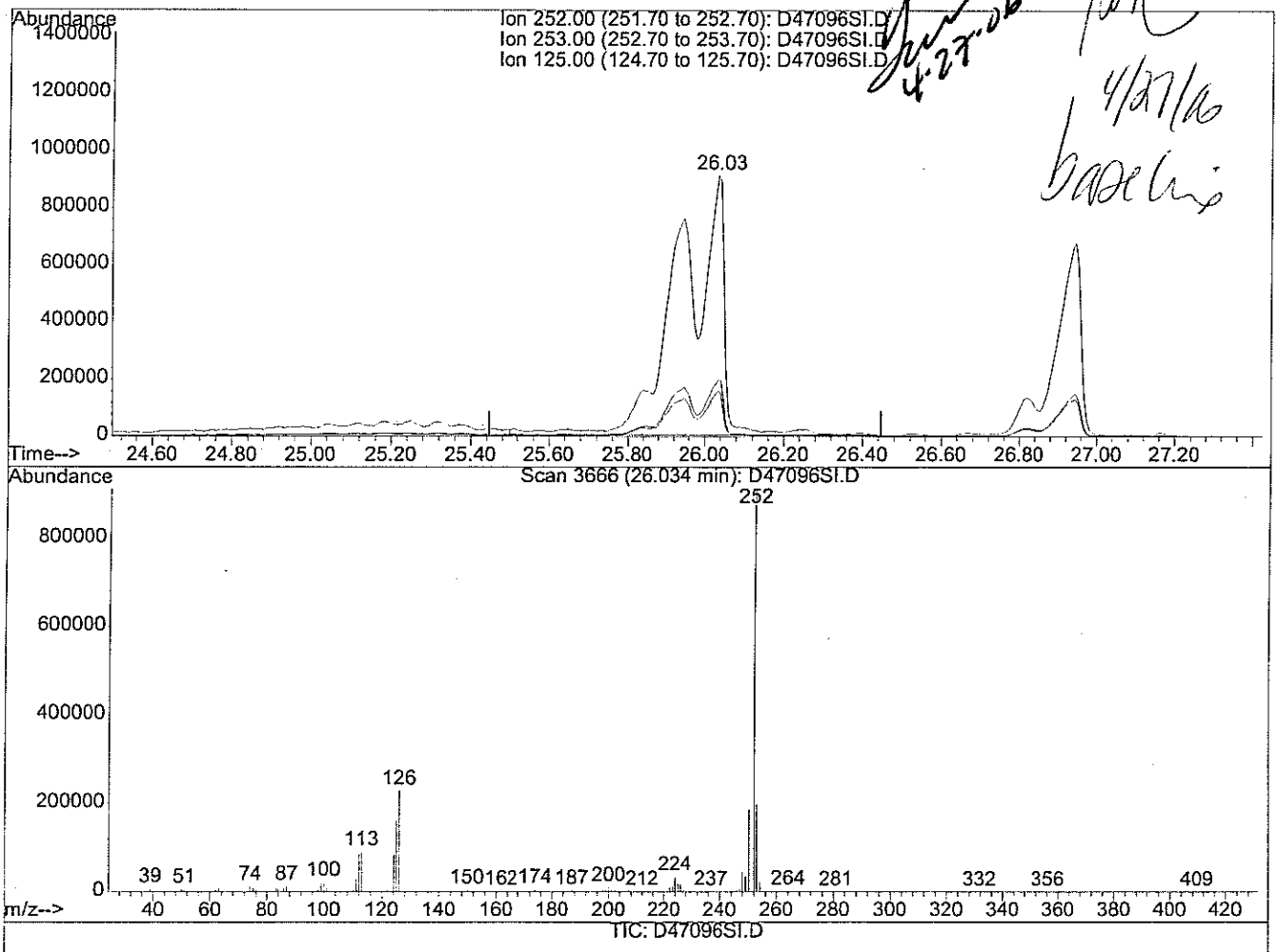
response 3866953

Ion	Exp%	Act%
202.00	100	100
101.00	17.90	17.45
203.00	17.80	18.27
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47096SI.D Vial: 8
Acq On : 26 Apr 2006 4:26 pm Operator:
Sample : S6740 PT5 100/200 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:45 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:08:17 2006
Response via : Multiple Level Calibration



(81) Benzo[b] fluoranthene (TM)

26.03min 236.17ug/ml

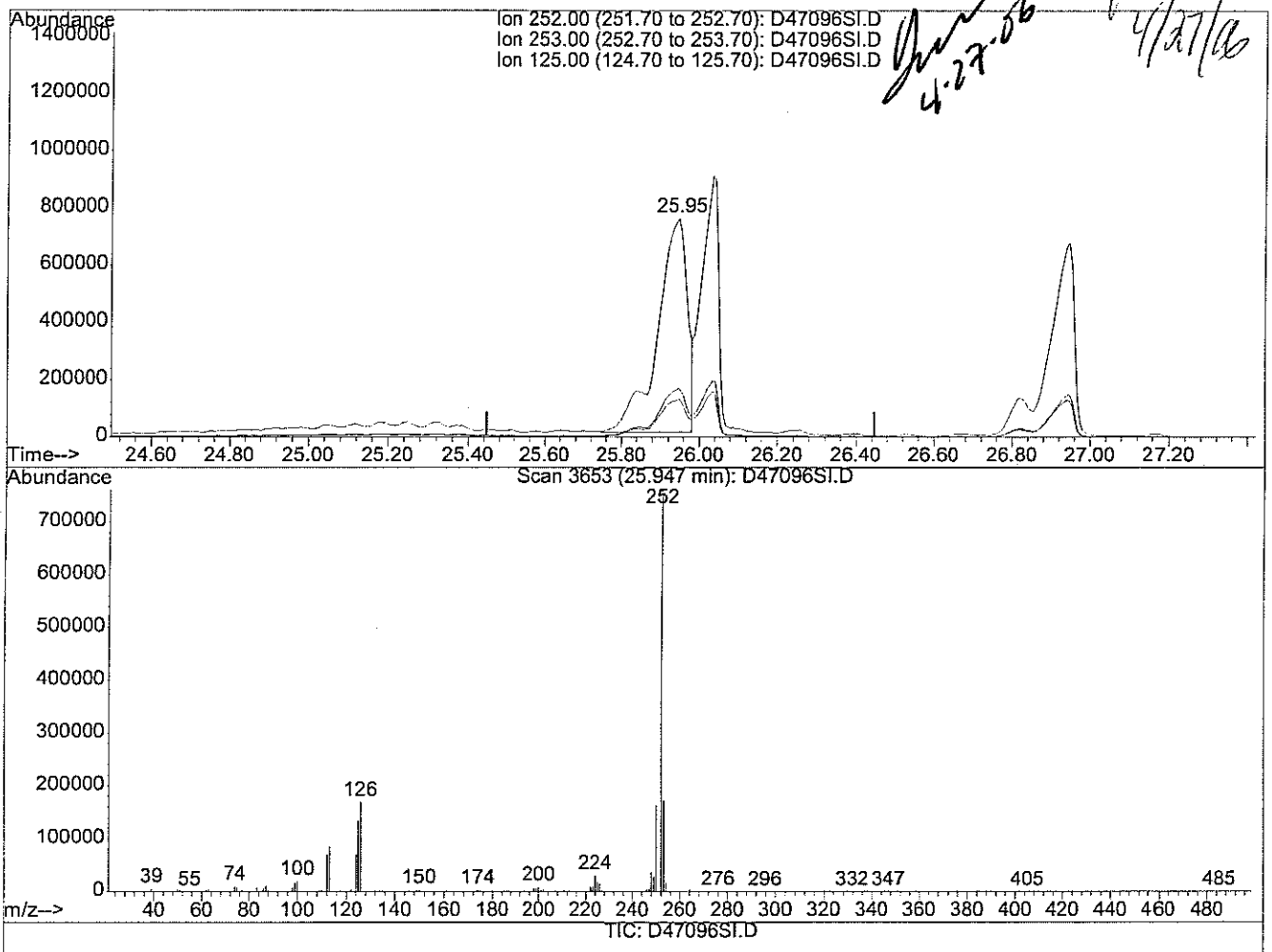
response 7314730

Ion	Exp%	Act%
252.00	100	100
253.00	21.50	22.15
125.00	17.40	17.26
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47096SI.D Vial: 8
Acq On : 26 Apr 2006 4:26 pm Operator:
Sample : S6740 PT5 100/200 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:46 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:08:17 2006
Response via : Multiple Level Calibration



(81) Benzo[b] fluoranthene (TM)

25.95min 127.79ug/ml m

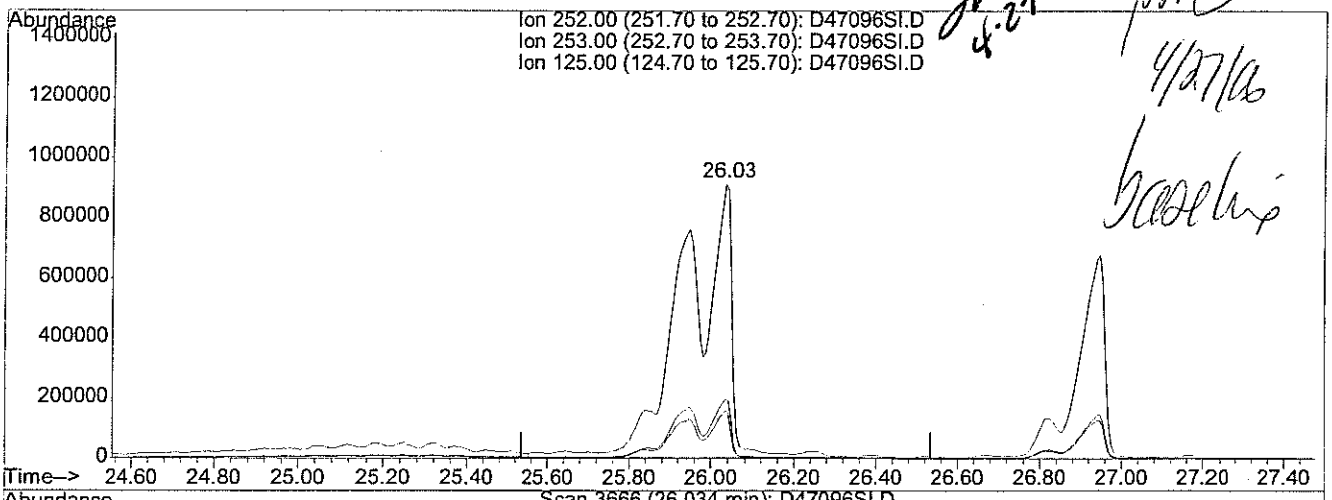
response 3957929

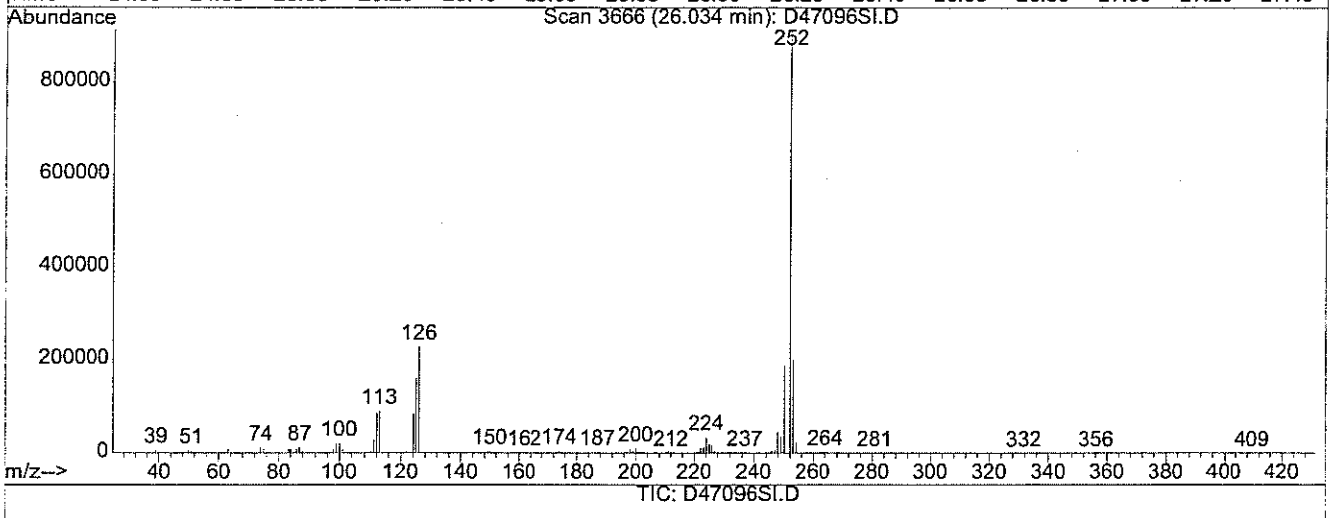
Ion	Exp%	Act%
252.00	100	100
253.00	21.50	40.94#
125.00	17.40	31.89#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47096SI.D Vial: 8
Acq On : 26 Apr 2006 4:26 pm Operator:
Sample : S6740 PT5 100/200 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:46 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:08:17 2006
Response via : Multiple Level Calibration





TIC: D47096SI.D

(82) Benzo[k] fluoranthene (TM)

26.03min 220.17ug/ml

response 7429010

Ion	Exp%	Act%
252.00	100	100
253.00	22.10	22.15
125.00	17.10	17.51
0.00	0.00	0.00

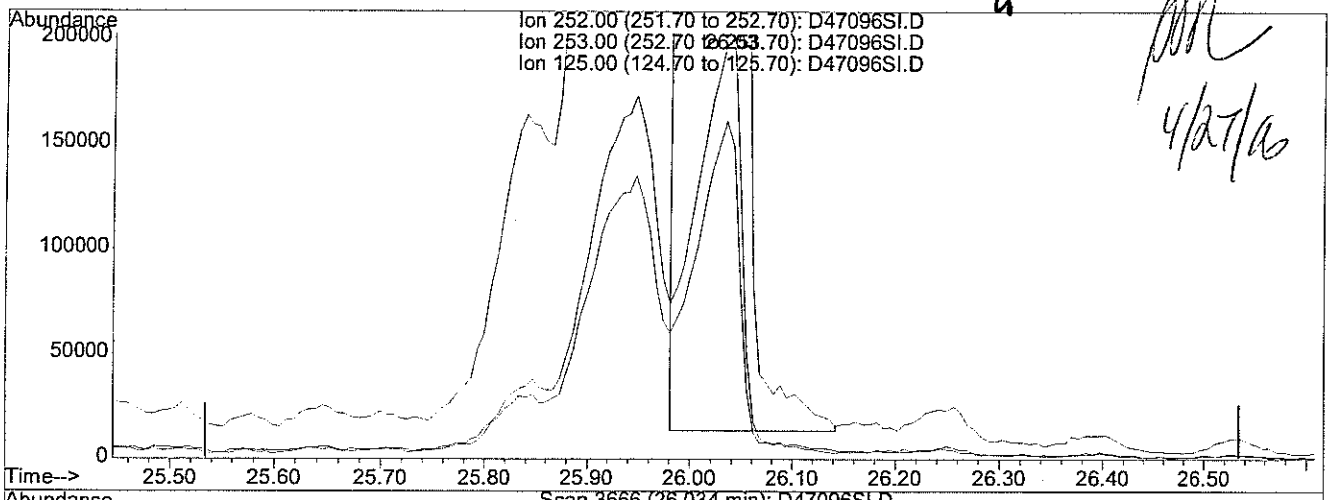
Quantitation Report (Qedit)

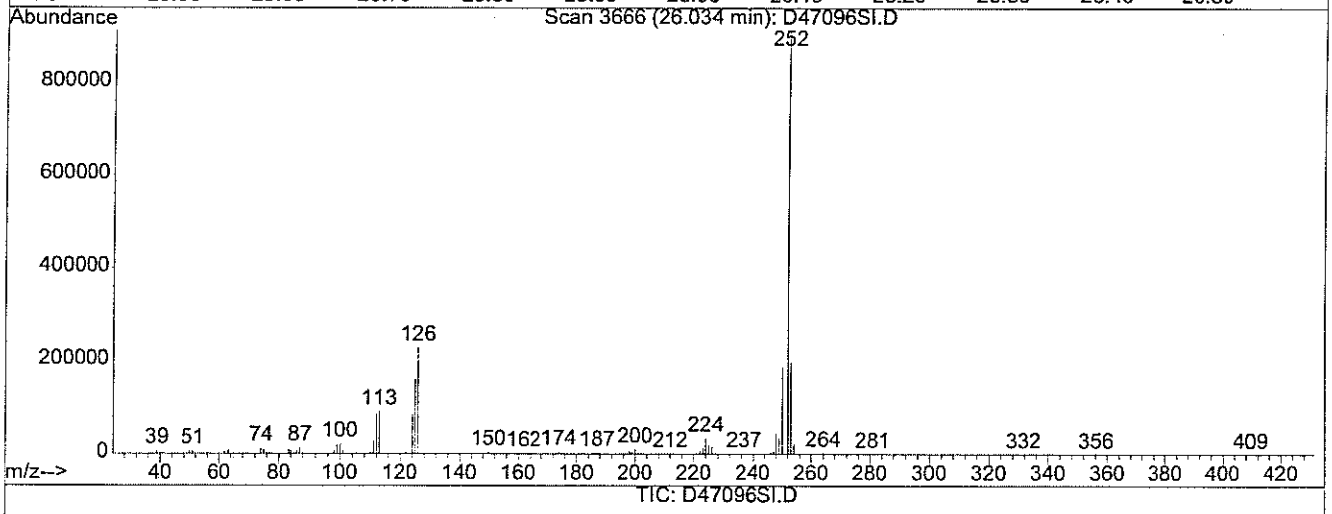
Data File : D:\HPCHEM\1\DATA\042606-D\D47096SI.D Vial: 8
Acq On : 26 Apr 2006 4:26 pm Operator:
Sample : S6740 PT5 100/200 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:46 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:08:17 2006
Response via : Multiple Level Calibration

4-27-06

4/27/06





TIC: D47096SI.D

(82) Benzo[k] fluoranthene (TM)

26.03min 82.03ug/ml m

response 2768038

Ion	Exp%	Act%
252.00	100	100
253.00	22.10	59.44#
125.00	17.10	47.00#
0.00	0.00	0.00

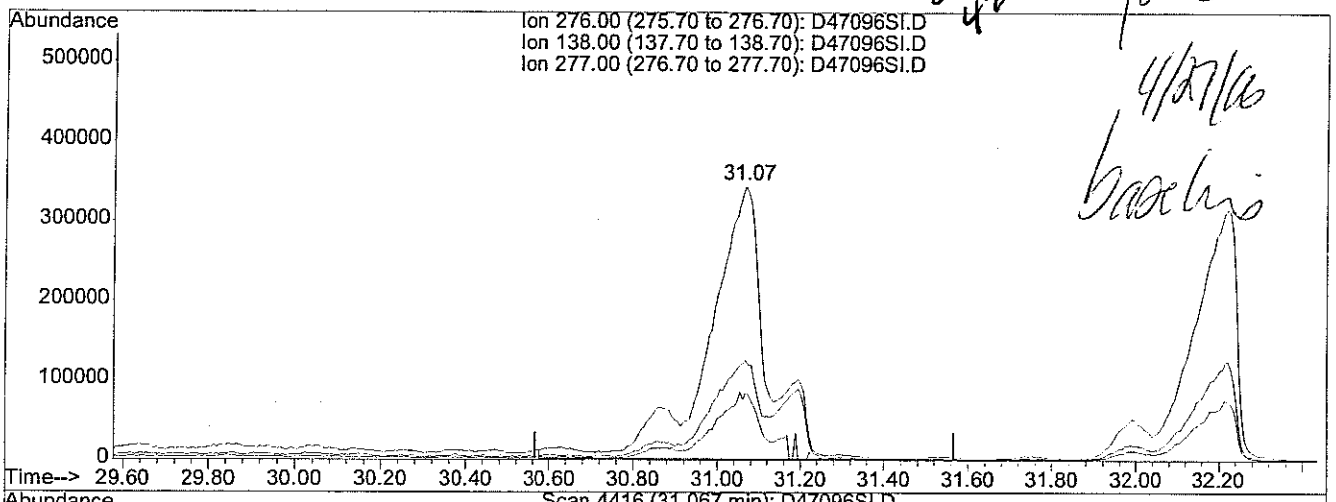
Quantitation Report (Qedit)

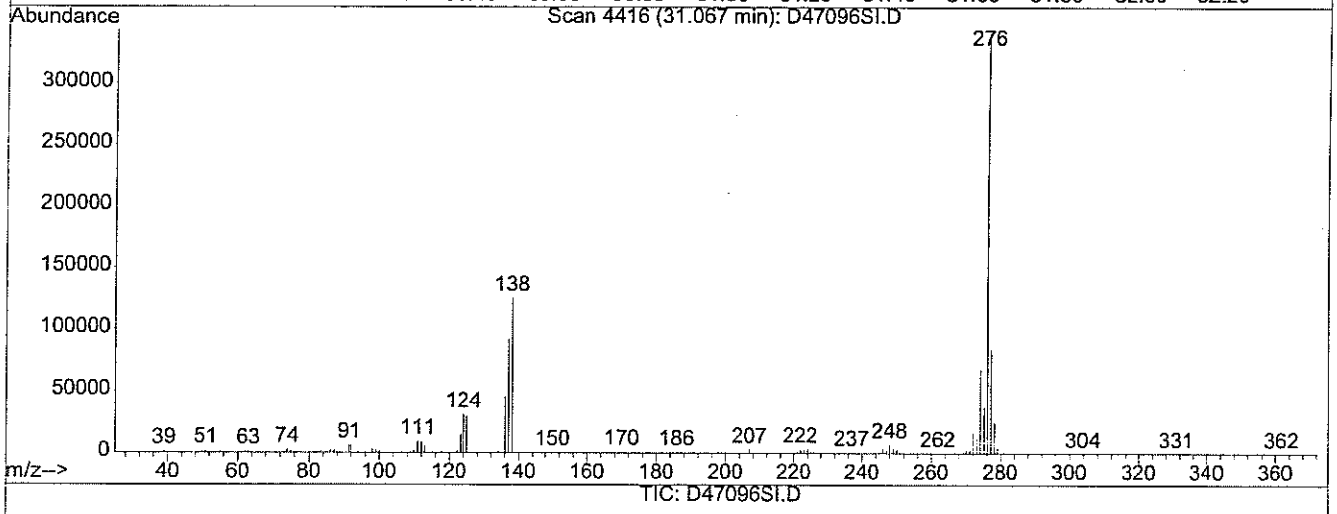
Data File : D:\HPCHEM\1\DATA\042606-D\D47096SI.D Vial: 8
Acq On : 26 Apr 2006 4:26 pm Operator:
Sample : S6740 PT5 100/200 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:46 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:08:17 2006
Response via : Multiple Level Calibration

4.27.06

4/27/06





TIC: D47096SI.D

(84) Indeno [1,2,3-cd] pyrene (TM)

31.07min 120.08ug/ml

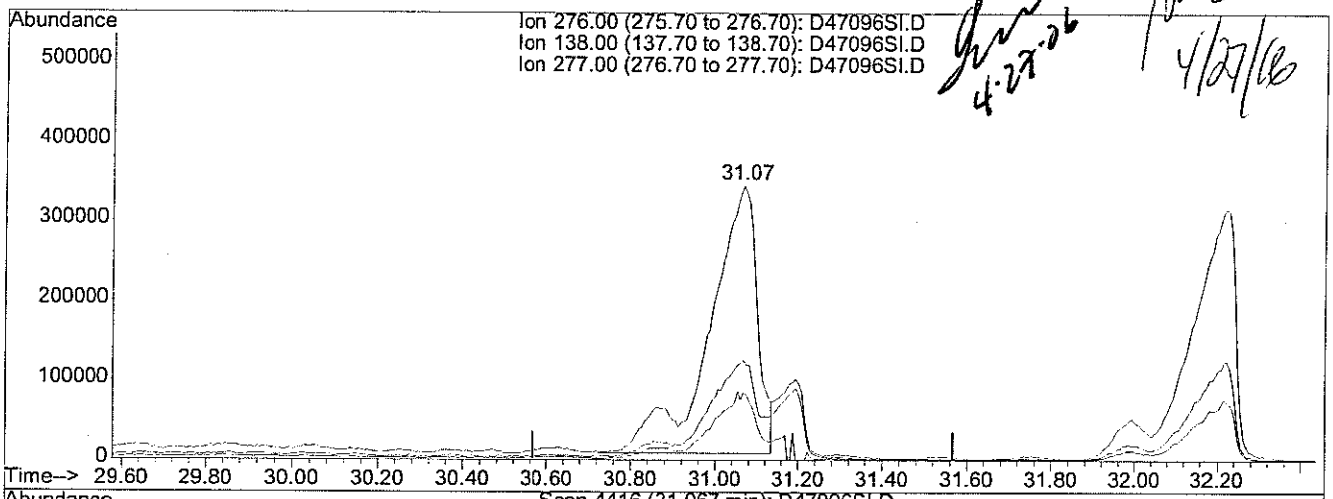
response 3408048

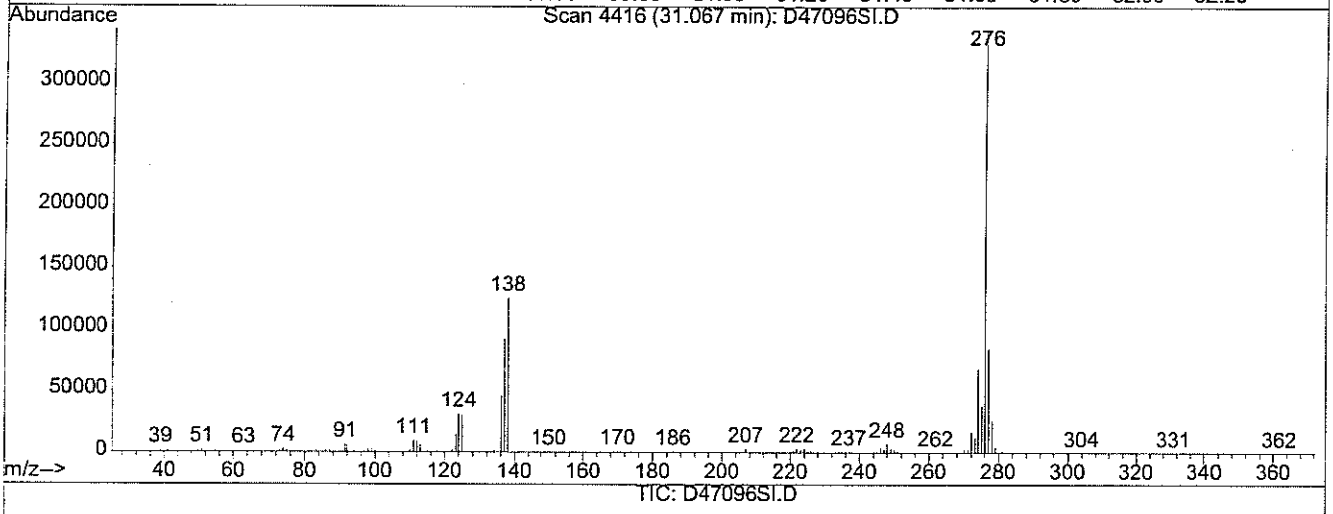
Ion	Exp%	Act%
276.00	100	100
138.00	35.80	44.38#
277.00	24.70	23.11
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47096SI.D Vial: 8
Acq On : 26 Apr 2006 4:26 pm Operator:
Sample : S6740 PT5 100/200 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:46 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:08:17 2006
Response via : Multiple Level Calibration





TIC: D47096SI.D

(84) Indeno [1,2,3-cd] pyrene (TM)

31.07min 94.23ug/ml m

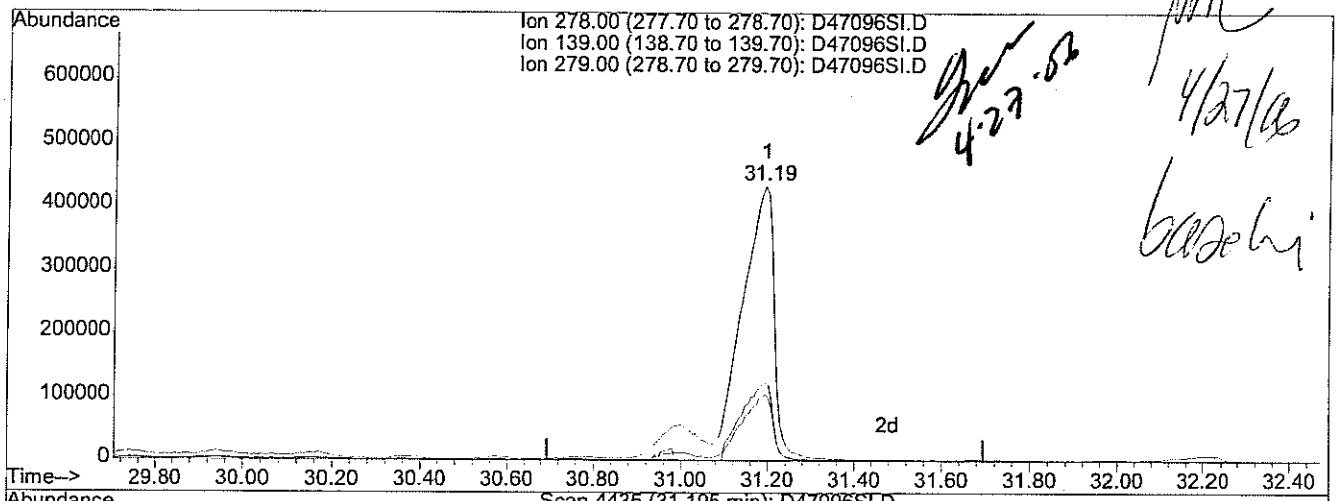
response 2674242

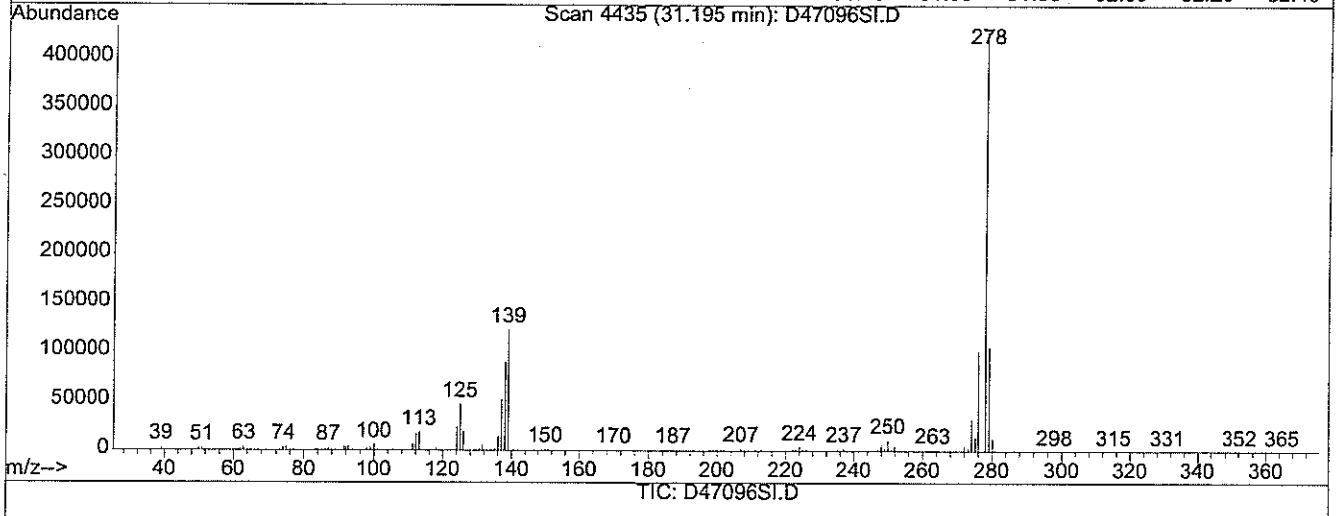
Ion	Exp%	Act%
276.00	100	100
138.00	35.80	56.55#
277.00	24.70	29.46
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47096SI.D Vial: 8
Acq On : 26 Apr 2006 4:26 pm Operator:
Sample : S6740 PT5 100/200 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:46 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:08:17 2006
Response via : Multiple Level Calibration





TIC: D47096SI.D

(85) Dibenz [a,h] anthracene (TM)

31.19min 105.47ug/ml

response 2657138

Ion	Exp%	Act%
278.00	100	100
139.00	27.60	23.96
279.00	23.20	23.47
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47096SI.D
Acq On : 26 Apr 2006 4:26 pm
Sample : S6740 PT5 100/200
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:47 2006

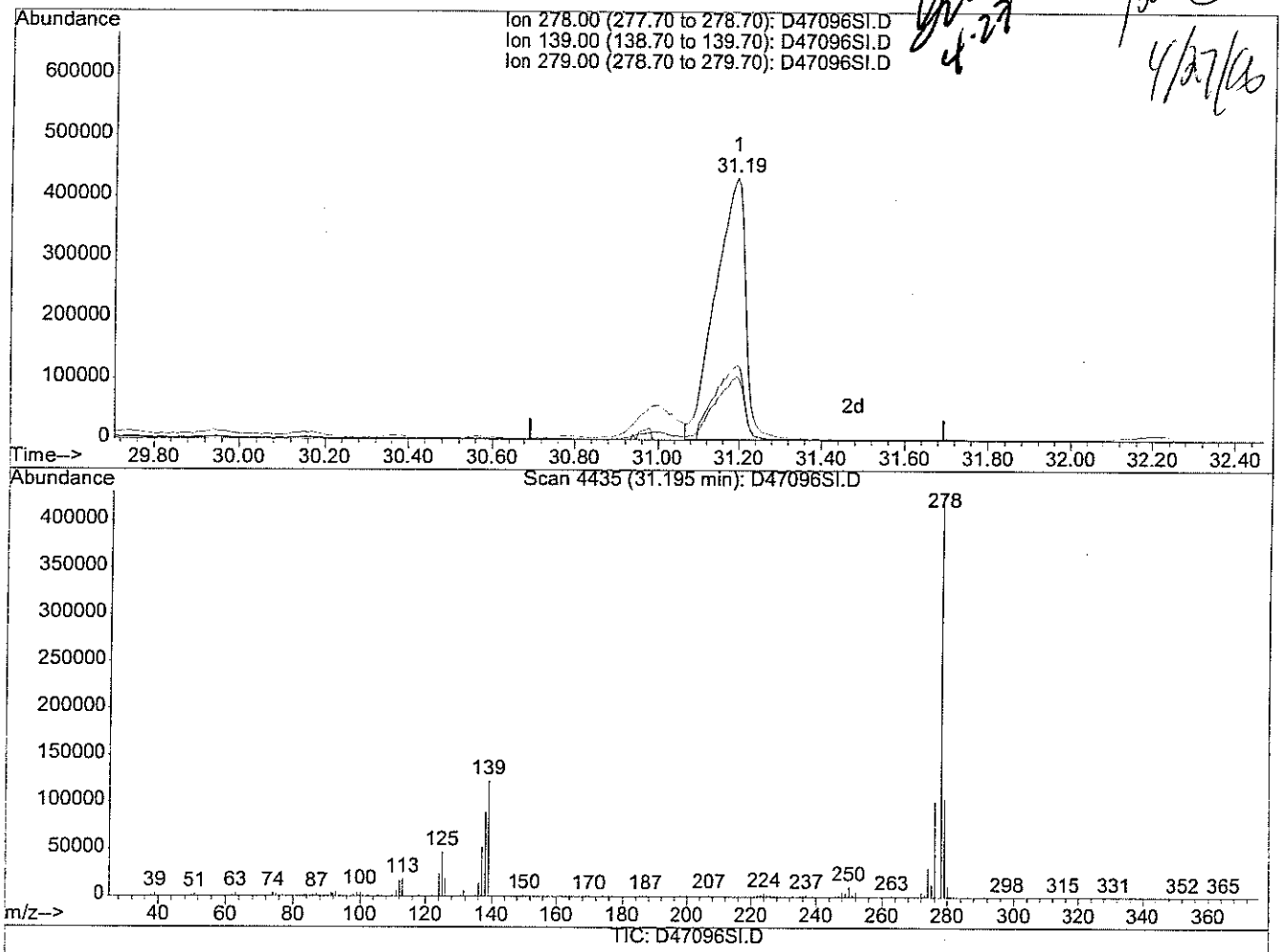
Vial: 8
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:08:17 2006
Response via : Multiple Level Calibration

4-27-06

4/27/06



(85) Dibenz [a,h] anthracene (TM)

31.19min 88.84ug/ml m

response 2238082

Ion	Exp%	Act%
278.00	100	100
139.00	27.60	28.45
279.00	23.20	27.86#
0.00	0.00	0.00

ABN CC

Data File Name D47099.D
Date Acquired 4/26/2006 10:50
Sample Name S6776 ABN CC 20/40

Name	ug/ml Amount	ug/ml Expected	% RECOVERY	70%-130%
Pyridine	18.66	20	93%	OK
N-nitrosodimethylamine	17.75	20	89%	OK
Phenol	42.10	40	105%	OK
2-Chlorophenol	42.00	40	105%	OK
bis(2-chloroethyl) ether	19.68	20	98%	OK
1,3-Dichlorobenzene	20.96	20	105%	OK
1,4-Dichlorobenzene	21.10	20	105%	OK
1,2-Dichlorobenzene	21.74	20	109%	OK
2-Methylphenol	41.62	40	104%	OK
bis(2-chloroisopropyl)ether	20.19	20	101%	OK
3+4-Methylphenol	39.55	40	99%	OK
Hexachloroethane	20.52	20	103%	OK
N-nitroso-di-n-propylamine	21.59	20	108%	OK
Nitrobenzene	20.85	20	104%	OK
Isophorone	23.16	20	116%	OK
2-Nitrophenol	43.26	40	108%	OK
2,4-Dimethylphenol	40.49	40	101%	OK
Bis(2-chloroethoxy)methane	19.79	20	99%	OK
2,4-Dichlorophenol	42.25	40	106%	OK
Benzoic Acid	37.63	40	94%	OK
1,2,4-Trichlorobenzene	20.88	20	104%	OK
Naphthalene	21.40	20	107%	OK
2,6-Dichlorophenol	42.61	40	107%	OK
Hexachlorobutadiene	21.35	20	107%	OK
4-Chloro-3-methylphenol	41.46	40	104%	OK
Hexachlorocyclopentadiene	24.75	20	124%	OK
2,4,6-Trichlorophenol	43.06	40	108%	OK
2,4,5-Trichlorophenol	41.03	40	103%	OK
2-Chloronaphthalene	21.15	20	106%	OK
2,6-Dinitrotoluene	21.54	20	108%	OK
Dimethyl Phthalate	20.81	20	104%	OK
Acenaphthylene	22.43	20	112%	OK
Acenaphthene	21.72	20	109%	OK
2,4-dinitrophenol	39.17	40	98%	OK
4-Nitrophenol	44.54	40	111%	OK
2,4-Dinitrotoluene	22.65	20	113%	OK
2,3,4,6-Tetrachlorophenol	46.37	40	116%	OK
Fluorene	21.68	20	108%	OK
Diethyl Phthalate	22.43	20	112%	OK
4-Chlorophenyl phenyl ether	21.31	20	107%	OK
4,6-Dinitro-2-methylphenol	43.41	40	109%	OK
n-nitrosodiphenylamine	21.48	20	107%	OK
Azobenzene	19.59	20	98%	OK
4-bromophenyl phenyl ether	19.40	20	97%	OK
Hexachlorobenzene	21.55	20	108%	OK
Pentachlorophenol	35.26	40	88%	OK
Phenanthrene	20.64	20	103%	OK
Anthracene	21.42	20	107%	OK
Carbazole	21.02	20	105%	OK
Di-n-butyl phthalate	22.38	20	112%	OK
Fluoranthene	22.16	20	111%	OK
Pyrene	20.45	20	102%	OK
Butyl benzyl phthalate	20.40	20	102%	OK
Benzo[a]anthracene	20.85	20	104%	OK
Chrysene	21.56	20	108%	OK
Bis (2-ethylhexyl) phthalate	19.80	20	99%	OK
di-n-octyl-phthalate	19.82	20	99%	OK
Benzo[b] fluoranthene	20.78	20	104%	OK
Benzo[k] fluoranthene	23.14	20	116%	OK
Benzo[a] pyrene	22.34	20	112%	OK
Indeno [1,2,3-cd] pyrene	22.42	20	112%	OK
Dibenz [a,h] anthracene	22.90	20	115%	OK
Benzo(g,h,i) perylene	23.98	20	120%	OK
2-Fluorophenol	41.10	40	103%	OK
d5-Phenol	32.01	40	80%	OK
d5-nitrobenzene	38.34	40	96%	OK
2-Fluorobiphenyl	42.86	40	107%	OK
2,4,6-Tribromophenol	41.04	40	103%	OK
d14-p-terphenyl	38.88	40	97%	OK

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47099.D Vial: 9
Acq On : 26 Apr 2006 10:50 pm Operator:
Sample : S6776 ABN CC 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 23:02 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4.27.06 4/27/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.80	152	590985	40.00	ug/ml	0.00
19) d8-Naphthalene	8.74	136	2161181	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.03	164	980101	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.60	188	1676238	40.00	ug/ml	0.00
71) d12-Chrysene	23.06	240	1472261	40.00	ug/ml	0.00
79) d12-Perylene	27.10	264	1277407	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.53	112	840074	41.10	ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 54.80%			
5) d5-Phenol	5.42	99	835910	32.01	ug/ml	0.00
Spiked Amount 75.000	Range 22 - 110		Recovery = 42.68%			
20) d5-nitrobenzene	7.14	82	941629	38.34	ug/ml	0.00
Spiked Amount 50.000	Range 45 - 107		Recovery = 76.68%			
39) 2-Fluorobiphenyl	11.43	172	1347396	42.86	ug/ml	0.00
Spiked Amount 50.000	Range 44 - 102		Recovery = 85.72%			
60) 2,4,6-Tribromophenol	15.02	330	241121	41.04	ug/ml	0.00
Spiked Amount 75.000	Range 63 - 127		Recovery = 54.72%#			
73) d14-p-terphenyl	20.56	244	1270540	38.88	ug/ml	0.00
Spiked Amount 50.000	Range 33 - 132		Recovery = 77.76%			
Target Compounds						Qvalue
2) Pyridine	1.53	79	643756	18.66	ug/ml	98
3) N-nitrosodimethylamine	1.52	42	361705	17.75	ug/ml	94
6) Aniline	5.22	93	537	0.02	ug/ml	87
7) Phenol	5.47	94	1136642	42.10	ug/ml	98
8) 2-Chlorophenol	5.53	128	904494	42.00	ug/ml	99
9) bis(2-chloroethyl) ether	5.34	93	452385	19.68	ug/ml	93
10) 1,3-Dichlorobenzene	5.72	146	477567	20.96	ug/ml	100
11) 1,4-Dichlorobenzene	5.83	146	486894	21.10	ug/ml	98
12) 1,2-Dichlorobenzene	6.24	146	467879	21.74	ug/ml	98
13) Benzyl Alcohol	6.26	108	3406	0.29	ug/ml#	19
14) 2-Methylphenol	6.69	108	737626	41.62	ug/ml	99
15) bis(2-chloroisopropyl)ethe	6.53	45	862969	20.19	ug/ml	99
16) 3+4-Methylphenol	7.04	108	737434	39.55	ug/ml	99
17) Hexachloroethane	6.91	117	186837	20.52	ug/ml	98
18) N-nitroso-di-n-propylamine	6.86	70	378124	21.59	ug/ml	99
21) Nitrobenzene	7.18	123	241256	20.85	ug/ml	93
22) Isophorone	7.71	82	971489	23.16	ug/ml	98
23) 2-Nitrophenol	7.92	139	554072	43.26	ug/ml	99
24) 2,4-Dimethylphenol	8.20	107	755005	40.49	ug/ml	98
25) Bis(2-chloroethoxy)methane	8.29	93	498114	19.79	ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47099.D Vial: 9
Acq On : 26 Apr 2006 10:50 pm Operator:
Sample : S6776 ABN CC 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 23:02 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 2,4-Dichlorophenol	8.65	162	628012	42.25 ug/ml	100
27) Benzoic Acid	8.71	105	447769	37.63 ug/ml	97
28) 1,2,4-Trichlorobenzene	8.65	180	319906	20.88 ug/ml	97
29) Naphthalene	8.79	128	1183828	21.40 ug/ml	100
30) 2,6-Dichlorophenol	9.08	162	628125	42.61 ug/ml	86
31) 4-Chloroaniline	9.01	127	349	0.01 ug/ml#	40
32) Hexachlorobutadiene	9.23	225	200906	21.35 ug/ml	100
33) 4-Chloro-3-methylphenol	10.49	107	645275	41.46 ug/ml	100
34) 2-Methylnaphthalene	10.49	141	65933	2.07 ug/ml#	1
36) Hexachlorocyclopentadiene	11.01	237	150034	24.75 ug/ml	98
37) 2,4,6-Trichlorophenol	11.32	196	412106	43.06 ug/ml	99
38) 2,4,5-Trichlorophenol	11.59	196	414551	41.03 ug/ml	98
40) 2-Chloronaphthalene	11.63	162	636942	21.15 ug/ml	96
41) 2-Nitroaniline	12.03	138	250	0.02 ug/ml#	1
42) 2,6-Dinitrotoluene	12.75	165	188448	21.54 ug/ml	100
43) Dimethyl Phthalate	12.57	163	723397	20.81 ug/ml	99
44) Acenaphthylene	12.64	152	1083718	22.43 ug/ml	100
45) 3-Nitroaniline	13.06	138	52	0.00 ug/ml#	1
46) Acenaphthene	13.11	154	613190	21.72 ug/ml	99
47) 2,4-dinitrophenol	13.34	184	181649	39.17 ug/ml	100
48) Dibenzofuran	13.50	168	3457	0.09 ug/ml	97
49) 4-Nitrophenol	14.04	109	181224	44.54 ug/ml	99
50) 2,4-Dinitrotoluene	13.69	165	252144	22.65 ug/ml	99
51) 2,3,4,6-Tetrachlorophenol	14.01	232	341429	46.37 ug/ml	97
52) Fluorene	14.34	166	684539	21.68 ug/ml	100
53) Diethyl Phthalate	14.31	149	798682	22.43 ug/ml	100
54) 4-Chlorophenyl phenyl eth	14.38	204	333905	21.31 ug/ml	99
55) 4-Nitroaniline	14.62	138	52	0.01 ug/ml#	9
56) 4,6-Dinitro-2-methylphenol	14.68	198	299162	43.41 ug/ml	98
57) n-nitrosodiphenylamine	14.72	169	458271	21.48 ug/ml	99
58) Azobenzene	14.75	77	994693	19.59 ug/ml	99
59) Biphenyl	11.63	154	2357	0.06 ug/ml#	85
62) 4-bromophenyl phenyl ether	15.55	248	190511	19.40 ug/ml	95
63) Hexachlorobenzene	15.87	284	237234	21.55 ug/ml	99
64) Pentachlorophenol	16.42	266	212113	35.26 ug/ml	98
65) Phenanthrene	16.66	178	914020	20.64 ug/ml	100
66) Anthracene	16.76	178	923477	21.42 ug/ml	98
67) Carbazole	17.25	167	871754	21.02 ug/ml	100
68) Di-n-butyl phthalate	18.25	149	1354636	22.38 ug/ml	100
69) Fluoranthene	19.55	202	998674	22.16 ug/ml	99
70) Benzidine	19.97	184	1296	0.12 ug/ml#	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47099.D Vial: 9
Acq On : 26 Apr 2006 10:50 pm Operator:
Sample : S6776 ABN CC 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 23:02 2006 Quant Results File: S04266.RES

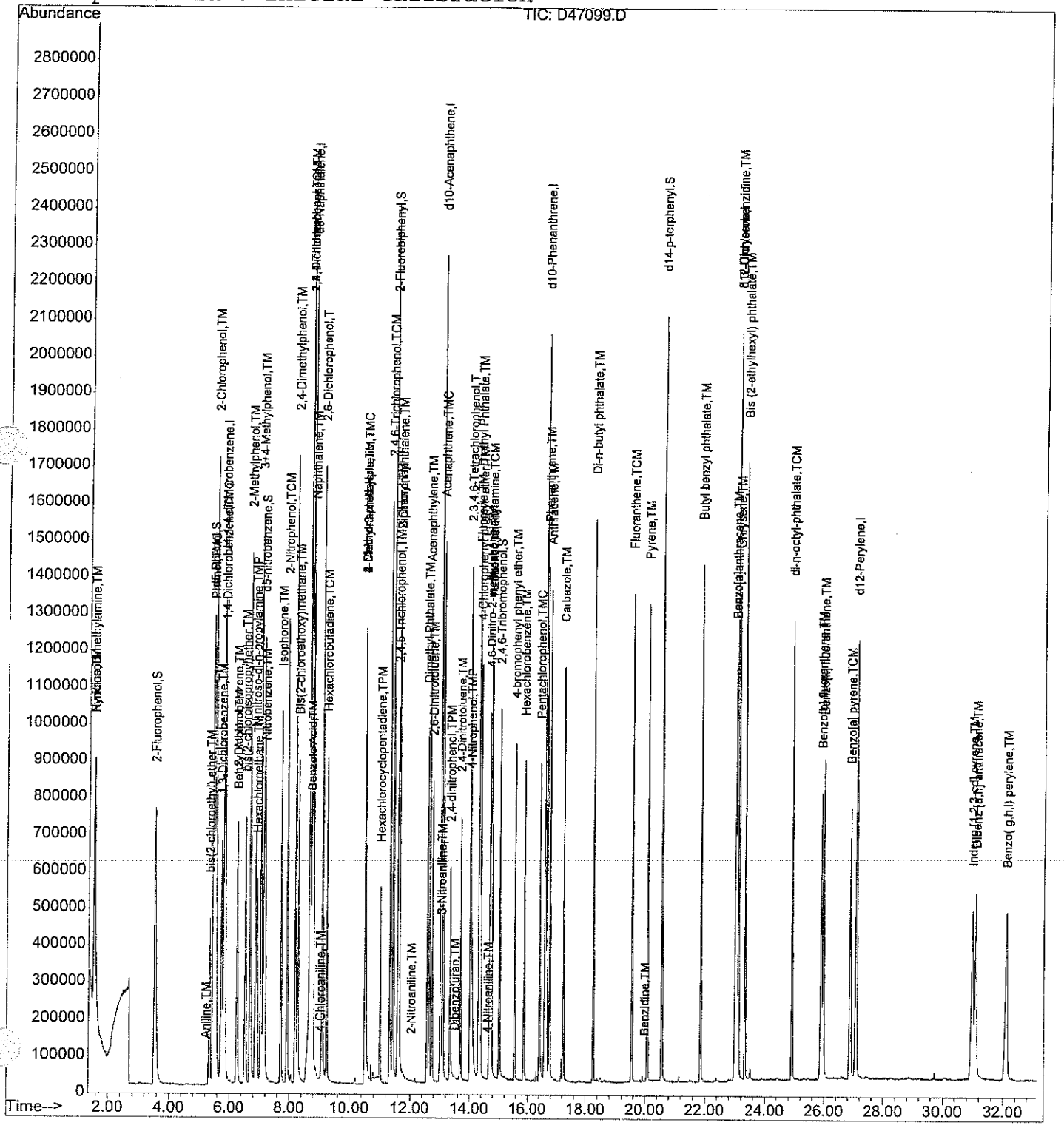
Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
72) Pyrene	20.09	202	1036393	20.45	ug/ml	100
74) Butyl benzyl phthalate	21.86	149	584368	20.40	ug/ml	99
75) Benzo[a]anthracene	23.01	228	924985	20.85	ug/ml	100
76) Chrysene	23.11	228	851204	21.56	ug/ml	100
77) 3,3'-Dichlorobenzidine	23.06	252	702	0.05	ug/ml#	1
78) Bis (2-ethylhexyl) phthala	23.31	149	777051	19.80	ug/ml	99
80) di-n-octyl-phthalate	24.92	149	1194342	19.82	ug/ml	100
81) Benzo[b] fluoranthene	25.90	252	818906	20.78	ug/ml	100
82) Benzo[k] fluoranthene	25.98	252	816722	23.14	ug/ml	99
83) Benzo[a] pyrene	26.88	252	776727	22.34	ug/ml	99
84) Indeno [1,2,3-cd] pyrene	30.99	276	742334	22.42	ug/ml	98
85) Dibenz [a,h] anthracene	31.10	278	703913	22.90	ug/ml	98
86) Benzo(g,h,i) perylene	32.11	276	773576	23.98	ug/ml	99

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042606-D\D47099.D Vial: 9
Acq On : 26 Apr 2006 10:50 pm Operator:
Sample : S6776 ABN CC 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 23:02 2006 Quant Results File: S04266.RES

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : D:\HPCHEM\1\DATA\042606-D\D47098SC.D Vial: 5
Acq On : 26 Apr 2006 10:14 pm Operator:
Sample : S6761 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Multiple Level Calibration

4.27.06 4/27/06

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	d4-1,4-dichlorobenzene	1.000	1.000	0.0	100	0.01
2	TM	Pyridine	2.335	2.220	4.9	95	0.00
3	TM	N-nitrosodimethylamine	1.379	1.343	2.6	94	0.00
4	S	2-Fluorophenol	1.383	1.437	-3.9	100	0.00
5	S	d5-Phenol	1.767	1.839	-4.1	98	0.00
6	TM	Aniline	2.073	1.938	6.5	98	0.00
7	TMC	Phenol	1.828	1.888	-3.3	98	0.00
8	TM	2-Chlorophenol	1.458	1.479	-1.4	97	0.00
9	TM	bis(2-chloroethyl) ether	1.556	1.573	-1.1	97	0.00
10	TM	1,3-Dichlorobenzene	1.542	1.575	-2.1	98	0.00
11	TMC	1,4-Dichlorobenzene	1.562	1.557	0.3	97	0.01
12	TM	1,2-Dichlorobenzene	1.457	1.500	-3.0	99	0.01
13	TM	Benzyl Alcohol	0.803	0.873	-8.7	101	0.00
14	TM	2-Methylphenol	1.200	1.253	-4.4	101	0.00
15	TM	bis(2-chloroisopropyl)ether	2.893	3.012	-4.1	99	0.00
16	TM	3+4-Methylphenol	1.262	1.322	-4.8	100	0.00
17	TM	Hexachloroethane	0.616	0.646	-4.9	101	0.00
18	TMP	N-nitroso-di-n-propylamine	1.186	1.209	-1.9	100	0.00
19	I	d8-Naphthalene	1.000	1.000	0.0	95	0.01
20	S	d5-nitrobenzene	0.455	0.480	-5.5	100	0.00
21	TM	Nitrobenzene	0.214	0.230	-7.5	100	0.00
22	TM	Isophorone	0.776	0.801	-3.2	96	0.00
23	TCM	2-Nitrophenol	0.237	0.257	-8.4	103	0.00
24	TM	2,4-Dimethylphenol	0.345	0.356	-3.2	98	0.00
25	TM	Bis(2-chloroethoxy)methane	0.466	0.485	-4.1	98	0.01
26	TCM	2,4-Dichlorophenol	0.275	0.291	-5.8	97	0.00
27	TM	Benzoic Acid	0.202	0.219	-8.4	95	0.00
28	TM	1,2,4-Trichlorobenzene	0.284	0.290	-2.1	96	0.00
29	TM	Naphthalene	1.024	1.066	-4.1	97	0.00
30	T	2,6-Dichlorophenol	0.273	0.285	-4.4	99	0.00
31	TM	4-Chloroaniline	0.455	0.455	0.0	96	0.00
32	TCM	Hexachlorobutadiene	0.174	0.185	-6.3	97	0.00
33	TMC	4-Chloro-3-methylphenol	0.288	0.307	-6.6	101	0.00
34	TM	2-Methylnaphthalene	0.589	0.648	-10.0	97	0.00
35	I	d10-Acenaphthene	1.000	1.000	0.0	99	0.00
36	TPM	Hexachlorocyclopentadiene	0.203	0.226	-11.3	99	0.00
37	TCM	2,4,6-Trichlorophenol	0.391	0.394	-0.8	97	0.00
38	TM	2,4,5-Trichlorophenol	0.412	0.427	-3.6	99	0.00
39	S	2-Fluorobiphenyl	1.283	1.318	-2.7	99	0.00

(#) = Out of Range

Data File : D:\HPCHEM\1\DATA\042606-D\D47098SC.D Vial: 5
Acq On : 26 Apr 2006 10:14 pm Operator:
Sample : S6761 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	TM	2-Chloronaphthalene	1.229	1.250	-1.7	98	0.00
41	TM	2-Nitroaniline	0.571	0.603	-5.6	101	0.00
42	TM	2,6-Dinitrotoluene	0.357	0.375	-5.0	99	0.00
43	TM	Dimethyl Phthalate	1.419	1.437	-1.3	97	0.00
44	TM	Acenaphthylene	1.972	2.040	-3.4	99	0.00
45	TM	3-Nitroaniline	0.446	0.456	-2.2	97	0.00
46	TMC	Acenaphthene	1.152	1.152	0.0	98	0.00
47	TPM	2,4-dinitrophenol	0.164	0.184	-12.2	99	0.00
48	TM	Dibenzofuran	1.631	1.680	-3.0	99	0.00
49	TMP	4-Nitrophenol	0.166	0.176	-6.0	94	0.00
50	TM	2,4-Dinitrotoluene	0.454	0.478	-5.3	99	0.00
51	T	2,3,4,6-Tetrachlorophenol	0.300	0.301	-0.3	95	0.00
52	TM	Fluorene	1.289	1.317	-2.2	97	0.00
53	TM	Diethyl Phthalate	1.453	1.555	-7.0	97	0.00
54	TM	4-Chlorophenyl phenyl ethe	0.640	0.658	-2.8	100	0.00
55	TM	4-Nitroaniline	0.415	0.452	-8.9	98	0.00
56	TM	4,6-Dinitro-2-methylphenol	0.240	0.294	-22.5#	102	0.00
57	TCM	n-nitrosodiphenylamine	0.871	0.881	-1.1	100	0.00
58	TM	Azobenzene	2.072	2.015	2.8	100	0.00
59	TM	Biphenyl	1.574	1.609	-2.2	98	0.01
60	S	2,4,6-Tribromophenol	0.240	0.248	-3.3	99	0.00
61	I	d10-Phenanthrene	1.000	1.000	0.0	95	0.00
62	TM	4-bromophenyl phenyl ether	0.234	0.238	-1.7	95	0.00
63	TM	Hexachlorobenzene	0.263	0.281	-6.8	100	0.00
64	TMC	Pentachlorophenol	0.140	0.140	0.0	91	0.00
65	TM	Phenanthrene	1.057	1.080	-2.2	95	0.00
66	TM	Anthracene	1.029	1.072	-4.2	95	0.00
67	TM	Carbazole	0.989	1.042	-5.4	96	0.00
68	TM	Di-n-butyl phthalate	1.445	1.630	-12.8	98	0.00
69	TCM	Fluoranthene	1.075	1.155	-7.4	96	0.00
70	TM	Benzidine	0.262	0.119	54.6#	107	0.00
71	I	d12-Chrysene	1.000	1.000	0.0	93	0.00
72	TM	Pyrene	1.377	1.314	4.6	94	0.00
73	S	d14-p-terphenyl	0.888	0.915	-3.0	96	0.00
74	TM	Butyl benzyl phthalate	0.778	0.772	0.8	88	0.00
75	TM	Benzo[a]anthracene	1.205	1.175	2.5	94	0.00
76	TM	Chrysene	1.073	1.081	-0.7	93	0.00
77	TM	3,3'-Dichlorobenzidine	0.416	0.413	0.7	91	0.00
78	TM	Bis (2-ethylhexyl) phthalat	1.066	1.049	1.6	91	0.00

(#) = Out of Range

Data File : D:\HPCHEM\1\DATA\042606-D\D47098SC.D Vial: 5
Acq On : 26 Apr 2006 10:14 pm Operator:
Sample : S6761 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
79	I	d12-Perylene	1.000	1.000	0.0	91	0.00
80	TCM	di-n-octyl-phthalate	1.887	1.986	-5.2	91	0.00
81	TM	Benzo[b] fluoranthene	1.234	1.224	0.8	90	0.00
82	TM	Benzo[k] fluoranthene	1.105	1.150	-4.1	90	0.00
83	TCM	Benzo[a] pyrene	1.089	1.100	-1.0	90	0.00
84	TM	Indeno [1,2,3-cd] pyrene	1.037	1.138	-9.7	97	0.00
85	TM	Dibenz [a,h] anthracene	0.963	1.076	-11.7	94	0.01
86	TM	Benzo(g,h,i) perylene	1.010	1.118	-10.7	93	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47098SC.D Vial: 5
Acq On : 26 Apr 2006 10:14 pm Operator:
Sample : S6761 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 22:28 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4-27-06 4/27/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.81	152	584904	40.00	ug/ml	0.01
19) d8-Naphthalene	8.75	136	2061181	40.00	ug/ml	0.01
35) d10-Acenaphthene	13.03	164	983189	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.60	188	1589644	40.00	ug/ml	0.00
71) d12-Chrysene	23.06	240	1419421	40.00	ug/ml	0.00
79) d12-Perylene	27.10	264	1231592	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.53	112	840671	41.56	ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 55.41%			
5) d5-Phenol	5.43	99	1075386	41.61	ug/ml	0.00
Spiked Amount 75.000	Range 22 - 110		Recovery = 55.48%			
20) d5-nitrobenzene	7.14	82	988397	42.20	ug/ml	0.00
Spiked Amount 50.000	Range 45 - 107		Recovery = 84.40%			
39) 2-Fluorobiphenyl	11.44	172	1296160	41.10	ug/ml	0.00
Spiked Amount 50.000	Range 44 - 102		Recovery = 82.20%			
60) 2,4,6-Tribromophenol	15.02	330	243542	41.33	ug/ml	0.00
Spiked Amount 75.000	Range 63 - 127		Recovery = 55.11%(#)			
73) d14-p-terphenyl	20.56	244	1298828	41.23	ug/ml	0.00
Spiked Amount 50.000	Range 33 - 132		Recovery = 82.46%			
Target Compounds						Qvalue
2) Pyridine	1.54	79	649314	19.01	ug/ml	99
3) N-nitrosodimethylamine	1.52	42	392648	19.47	ug/ml	99
6) Aniline	5.23	93	566645	18.69	ug/ml	99
7) Phenol	5.46	94	1104409	41.33	ug/ml	100
8) 2-Chlorophenol	5.53	128	865080	40.58	ug/ml	99
9) bis(2-chloroethyl) ether	5.34	93	459936	20.22	ug/ml	98
10) 1,3-Dichlorobenzene	5.72	146	460719	20.43	ug/ml	99
11) 1,4-Dichlorobenzene	5.84	146	455415	19.94	ug/ml	100
12) 1,2-Dichlorobenzene	6.25	146	438759	20.60	ug/ml	100
13) Benzyl Alcohol	6.23	108	255234	21.75	ug/ml	97
14) 2-Methylphenol	6.69	108	733049	41.79	ug/ml	99
15) bis(2-chloroisopropyl)ethe	6.53	45	880781	20.82	ug/ml	99
16) 3+4-Methylphenol	7.04	108	773474	41.92	ug/ml	97
17) Hexachloroethane	6.91	117	188860	20.96	ug/ml	99
18) N-nitroso-di-n-propylamine	6.87	70	353548	20.39	ug/ml	98
21) Nitrobenzene	7.18	123	236780	21.46	ug/ml	99
22) Isophorone	7.71	82	825035	20.62	ug/ml	98
23) 2-Nitrophenol	7.93	139	530323	43.42	ug/ml	99
24) 2,4-Dimethylphenol	8.20	107	732888	41.21	ug/ml	98
25) Bis(2-chloroethoxy)methane	8.30	93	499801	20.82	ug/ml	93

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042606-D\D47098SC.D Vial: 5
Acq On : 26 Apr 2006 10:14 pm Operator:
Sample : S6761 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 22:28 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration
DataAcq Meth : ABN

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26)	2,4-Dichlorophenol	8.65	162	600085	42.33 ug/ml	97
27)	Benzoic Acid	8.71	105	450625	39.53 ug/ml	99
28)	1,2,4-Trichlorobenzene	8.65	180	298415	20.42 ug/ml	98
29)	Naphthalene	8.79	128	1098354	20.82 ug/ml	99
30)	2,6-Dichlorophenol	9.08	162	586430	41.71 ug/ml	100
31)	4-Chloroaniline	9.05	127	468705	19.99 ug/ml	96
32)	Hexachlorobutadiene	9.23	225	190165	21.19 ug/ml	99
33)	4-Chloro-3-methylphenol	10.49	107	633806	42.70 ug/ml	96
34)	2-Methylnaphthalene	10.45	141	667408	22.00 ug/ml	99
36)	Hexachlorocyclopentadiene	11.01	237	111003	18.94 ug/ml	97
37)	2,4,6-Trichlorophenol	11.33	196	387712	40.39 ug/ml	98
38)	2,4,5-Trichlorophenol	11.59	196	419611	41.40 ug/ml	98
40)	2-Chloronaphthalene	11.63	162	614434	20.34 ug/ml	99
41)	2-Nitroaniline	12.06	138	296501	21.13 ug/ml	98
42)	2,6-Dinitrotoluene	12.75	165	184262	20.99 ug/ml	100
43)	Dimethyl Phthalate	12.58	163	706415	20.26 ug/ml	99
44)	Acenaphthylene	12.65	152	1002866	20.69 ug/ml	99
45)	3-Nitroaniline	13.09	138	224012	20.41 ug/ml	99
46)	Acenaphthene	13.11	154	566435	20.00 ug/ml	98
47)	2,4-dinitrophenol	13.35	184	181072	38.96 ug/ml	94
48)	Dibenzofuran	13.50	168	825919	20.61 ug/ml	100
49)	4-Nitrophenol	14.05	109	173090	42.41 ug/ml	98
50)	2,4-Dinitrotoluene	13.69	165	234915	21.04 ug/ml	98
51)	2,3,4,6-Tetrachlorophenol	14.02	232	295884	40.06 ug/ml	97
52)	Fluorene	14.34	166	647350	20.44 ug/ml	98
53)	Diethyl Phthalate	14.32	149	764200	21.40 ug/ml	99
54)	4-Chlorophenyl phenyl eth	14.38	204	323681	20.59 ug/ml	99
55)	4-Nitroaniline	14.62	138	222349	21.81 ug/ml	99
56)	4,6-Dinitro-2-methylphenol	14.68	198	289034	41.78 ug/ml	98
57)	n-nitrosodiphenylamine	14.73	169	433226	20.24 ug/ml	100
58)	Azobenzene	14.76	77	990662	19.45 ug/ml	100
59)	Biphenyl	11.64	154	791185	20.44 ug/ml	99
62)	4-bromophenyl phenyl ether	15.55	248	189410	20.34 ug/ml	94
63)	Hexachlorobenzene	15.87	284	223719	21.43 ug/ml	99
64)	Pentachlorophenol	16.42	266	221825	38.52 ug/ml	97
65)	Phenanthrene	16.66	178	858229	20.44 ug/ml	99
66)	Anthracene	16.77	178	852129	20.85 ug/ml	99
67)	Carbazole	17.25	167	828389	21.07 ug/ml	99
68)	Di-n-butyl phthalate	18.25	149	1295818	22.57 ug/ml	99
69)	Fluoranthene	19.56	202	917988	21.48 ug/ml	100
70)	Benzidine	19.97	184	94517	9.06 ug/ml#	96

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042606-D\D47098SC.D Vial: 5
Acq On : 26 Apr 2006 10:14 pm Operator:
Sample : S6761 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 22:28 2006 Quant Results File: S04266.RES

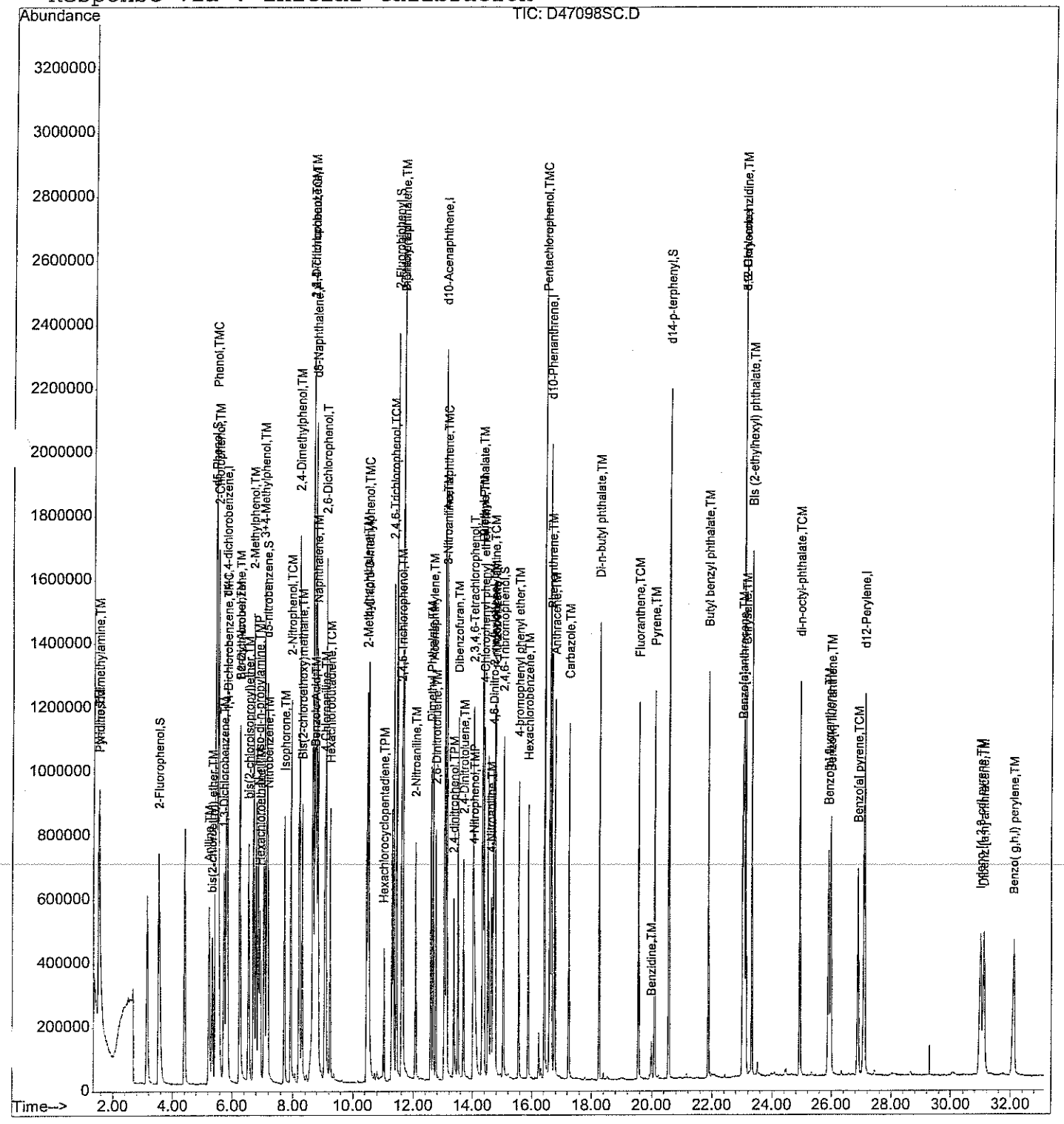
Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
72) Pyrene	20.09	202	932871	19.09 ug/ml	100
74) Butyl benzyl phthalate	21.86	149	548022	19.84 ug/ml	99
75) Benzo[a]anthracene	23.01	228	833705	19.50 ug/ml	99
76) Chrysene	23.12	228	767152	20.16 ug/ml	99
77) 3,3'-Dichlorobenzidine	23.06	252	292899	19.83 ug/ml	98
78) Bis (2-ethylhexyl) phthala	23.32	149	744592	19.67 ug/ml	99
80) di-n-octyl-phthalate	24.92	149	1222907	21.05 ug/ml	100
81) Benzo[b] fluoranthene	25.90	252	753525	19.83 ug/ml	99
82) Benzo[k] fluoranthene	25.98	252	708344	20.82 ug/ml	99
83) Benzo[a] pyrene	26.88	252	677161	20.20 ug/ml	99
84) Indeno [1,2,3-cd] pyrene	30.99	276	700767	21.95 ug/ml	99
85) Dibenz [a,h] anthracene	31.10	278	662355	22.35 ug/ml	99
86) Benzo(g,h,i) perylene	32.12	276	688759	22.14 ug/ml	100

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042606-D\D47098SC.D Vial: 5
Acq On : 26 Apr 2006 10:14 pm Operator:
Sample : S6761 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 22:28 2006 Quant Results File: S04266.RES

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration



SEMI-VOLATILE ORGANIC
INTERNAL STANDARD AREA AND RT SUMMARY

Project #:

Quote #: NA

SDG#: 56346

DFTPP File ID: D47088T.D

Site ID: Subbase New London Site 7

Location: CT

Instrument ID: D

DFTPP Injection Date: 4/26/06

GC Column: RTX-5MS

ID: 0.25(mm)

DFTPP Injection Time: 1134

		IS1 AREA	#	RT	#	IS2 AREA	#	RT	#	IS3 AREA	#	RT	#	IS4 AREA	#	RT	#	IS5 AREA	#	RT	#	IS6 AREA	#	RT	#
	12 HOUR STD	585433		5.80		2158490		8.73		995667		13.03		1671290		16.60		1532000		23.06		1356810		27.09	
	UPPER LIMIT	1170866		6.14		4316980		9.26		1991334		13.81		3342580		17.59		3064000		24.44		2713620		28.72	
	LOWER LIMIT	292717		5.45		1079245		8.21		497834		12.25		835645		15.60		766000		21.68		678405		25.47	
	SAMPLE NO.																								
01	ZZZZZ	111	*	5.53		118	*	8.46		542	*	12.76		292	*	16.29		166	*	22.73		398	*	26.63	
02	S6745 PT1 2/4	599159		5.80		2153500		8.73		973021		13.02		1637530		16.59		1432130		23.05		1214970		27.08	
03	S6744 PT2A 4/8	609724		5.79		2156710		8.73		991735		13.03		1682900		16.59		1468700		23.05		1266590		27.08	
04	S6743 PT2 10/20	614180		5.79		2177120		8.73		1048860		13.03		1710050		16.60		1521820		23.05		1292930		27.09	
05	S6761 PT3 20/40	585433		5.80		2158490		8.73		995667		13.03		1671290		16.60		1532000		23.06		1356810		27.09	
06	S6741 PT4A 40/80	612408		5.80		2270880		8.75		1044380		13.04		1725520		16.61		1282760		23.06		1198180		27.10	
07	S6740 PT4 50/100	562023		5.81		2016850		8.75		964985		13.04		1582810		16.61		1238080		23.06		1268180		27.10	
08	S6740 PT5 100/200	577333		5.82		2164730		8.77		1051730		13.05		1676330		16.63		1040710		23.08		1157810		27.11	
09																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									
17																									
18																									
19																									
20																									
21																									
22																									

IS1 = d4-1,4 -Dichlorobenzene
IS2 =d8- Naphthalene
IS3 = d10-Acenaphthalene
IS4 = d10- Phenanthrene
IS5 = d12-Chrysene
IS6 = d10-Perylene

AREA UPPER LIMIT = +100 of internal standard area
AREA LOWER LIMIT = -50 of internal standard area
RT UPPER LIMIT = +0.06 minutes of internal standard RT
RT LOWER LIMIT = -0.06 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

GC/MS QA-QC Check Report

Tune File : D:\HPCHEM\1\DATA\042606-D\D47088T.D
Tune Time : 26 Apr 2006 11:34 am

Daily Calibration File : D:\HPCHEM\1\DATA\042606-D\D47093SI.D

						585433	2158490	995667
						1671290	1532000	1356810
File	Sample	Surrogate Recovery %				Internal Standard Responses		
D47090SI.D	S6745 PT	5*	6*	8*	8*	599159	2153498	973021
		5*	8*			1637528	1432131	1214971
D47091SI.D	S6744 PT	10*	12*	16*	17*	609724	2156714	991735
		11*	16*			1682899	1468695	1266591
D47092SI.D	S6743 PT	27*	32	42*	41*	614180	2177123	1048855
		27*	40			1710050	1521820	1292926
D47093SI.D	S6761 PT	55	66	81	82	585433	2158490	995667
		55*	81			1671289	1531996	1356805
D47094SI.D	S6741 PT	110*	125*	159*	158*	612408	2270883	1044376
		110	167*			1725519	1282763	1198179
D47095SI.D	S6740 PT	130*	152*	197*	190*	562023	2016852	964985
		129*	194*			1582806	1238077	1268180
D47096SI.D	S6740 PT	264*	292*	381*	362*	577333	2164732	1051734
		270*	414*			1676334	1040707	1157812

t - fails 12hr time check * - fails criteria

Created: Thu Apr 27 01:02:29 2006 D Instrum

SEMI-VOLATILE ORGANIC
INTERNAL STANDARD AREA AND RT SUMMARY

Project #:

DFTPP File ID: D47097T.D

Instrument ID: D

GC Column: RTX-5MS

Quote #: NA

Site ID: Subbase New London Site 7

ID: 0.25(mm)

SDG#: 56346

Location: CT

DFTPP Injection Date: 4/26/06

DFTPP Injection Time: 2134

		IS1 AREA	#	RT	#	IS2 AREA	#	RT	#	IS3 AREA	#	RT	#	IS4 AREA	#	RT	#	IS5 AREA	#	RT	#	IS6 AREA	#	RT	#
	12 HOUR STD	584904		5.81		2061180		8.75		983189		13.03		1589640		16.60		1419420		23.06		1231590		27.10	
	UPPER LIMIT	1169808		6.16		4122360		9.27		1966378		13.82		3179280		17.60		2838840		24.44		2463180		28.72	
	LOWER LIMIT	292452		5.46		1030590		8.22		491595		12.25		794820		15.61		709710		21.68		615795		25.47	
	SAMPLE NO.																								
01	S6761 PT3 20/40	584904		5.81		2061180		8.75		983189		13.03		1589640		16.60		1419420		23.06		1231590		27.10	
02	S6776 ABN CC 20/40	590985		5.80		2161180		8.74		980101		13.03		1676240		16.60		1472260		23.06		1277410		27.10	
03	S6777 BENZIDINES + ANIL	563415		5.80		2027760		8.73		925243		13.03		1508500		16.59		1355080		23.05		1224700		27.08	
04	B04266AS-2	632142		5.80		2229870		8.73		1019500		13.03		1732240		16.60		1475050		23.05		1338040		27.08	
05	L04266AS-2	608426		5.80		2231860		8.74		1024270		13.03		1748010		16.60		1343800		23.06		1232200		27.09	
06	LD04266AS-2	648138		5.80		2366870		8.74		1078290		13.03		1840490		16.60		1359940		23.06		1258410		27.09	
07	56346-2	640409		5.80		2254190		8.73		1027420		13.02		1742240		16.59		1535040		23.05		1360970		27.09	
08	56346-5	655761		5.80		2296740		8.73		1064160		13.02		1790640		16.59		1549550		23.05		1382280		27.09	
09	56346-6	595468		5.80		2171590		8.73		996623		13.02		1652780		16.59		1455240		23.05		1279630		27.08	
10	56346-4	589808		5.80		2153320		8.73		985801		13.02		1652220		16.59		1347950		23.05		1237680		27.09	
11	56346-7	637555		5.79		2275400		8.73		1019730		13.02		1733420		16.59		1452660		23.05		1287580		27.09	
12	56346-3	637652		5.79		2302620		8.73		1031390		13.02		1753240		16.59		1416980		23.05		1326980		27.09	
13	56346-3,MS	626581		5.80		2247820		8.73		1045630		13.03		1768200		16.60		1484860		23.06		1300050		27.09	
14	56346-3,MSD	579245		5.80		2140210		8.74		974388		13.02		1649570		16.60		1451100		23.06		1268580		27.10	
15	ZZZZZ	518315		5.79		1838970		8.73		839624		13.05		1383980		16.62		1321410		23.06		925567		27.08	
16	ZZZZZ	559236		5.79		2068350		8.72		939060		13.02		1587930		16.59		1391590		23.05		1168500		27.08	
17	ZZZZZ	535982		5.79		2006820		8.72		902170		13.02		1547190		16.59		1398980		23.06		1001670		27.09	
18	ZZZZZ	557728		5.79		2068140		8.73		952574		13.02		1526990		16.59		1231070		23.08		363061	*	27.13	
19	ZZZZZ	573837		5.80		2066100		8.73		936515		13.03		1600840		16.61		958223		23.10		210665	*	27.13	
20																									
21																									
22																									

IS1 = d4-1,4 -Dichlorobenzene
IS2 =d8- Naphthalene
IS3 = d10-Acenaphthalene
IS4 = d10- Phenanthrene
IS5 = d12-Chrysene
IS6 = d10-Perylene

AREA UPPER LIMIT = +100 of internal standard area
AREA LOWER LIMIT = -50 of internal standard area
RT UPPER LIMIT = +0.06 minutes of internal standard RT
RT LOWER LIMIT = -0.06 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

312/328

GC/MS QA-QC Check Report

Tune File : D:\HPCHEM\1\DATA\042606-D\D47097T.D
Tune Time : 26 Apr 2006 9:34 pm

Daily Calibration File : D:\HPCHEM\1\DATA\042606-D\D47098SC.D

4-27-06

4-27-06 SL

						584904	2061180	983189
						1589640	1419420	1231590

File	Sample	Surrogate Recovery %				Internal Standard Responses		
D47098SC.D	S6761 PT	55	55	84	82	584904	2061181	983189
		55*	82			1589644	1419421	1231592
D47099.D	S6776 AB	55	43	77	86	590985	2161181	980101
		55*	78			1676238	1472261	1277407
D47100.D	S6777 BE	0*	0*	0*	0*	563415	2027755	925243
		0*	0*			1508495	1355078	1224699
D47101B.D	tB04266AS	65	71	71	79	632142	2229872	1019502
		81	80			1732241	1475049	1338036
D47102Q.D	L04266AS	66	75	72	82	608426	2231859	1024269
		89	84			1748005	1343795	1232204
D47103Q.D	LD04266A	62	70	67	79	648138	2366865	1078290
		86	85			1840488	1359935	1258406
D47104.D	56346-2	68	73	75	71	640409	2254185	1027418
		82	74			1742244	1535039	1360971
D47105.D	56346-5	72	78	77	81	655761	2296740	1064156
		89	87			1790637	1549545	1382282
D47106.D	56346-6	72	78	78	85	595468	2171594	996623
		88	84			1652784	1455236	1279626
D47107.D	56346-4	68	76	73	81	589808	2153323	985801
		87	87			1652221	1347947	1237682
D47108.D	56346-7	67	75	74	84	637555	2275399	1019725
		89	84			1733419	1452656	1287578
D47109.D	56346-3	67	73	72	82	637652	2302615	1031391
		87	84			1753242	1416975	1326975
D47110SP.D	56346-3,	65	73	72	78	626581	2247820	1045628
		85	79			1768197	1484860	1300053
D47111SP.D	56346-3,	69	78	73	82	579245	2140209	974388
		90	79			1649574	1451098	1268584
D[illegible]12.D	56276-1	79	84	87	93	518315	1838973	839624
		96	81			1383984	1321406	925567
D47113.D	56301-6	71	77	77	87	559236	2068351	939060
		95	85			1587933	1391590	1168495

Lone shrimp error

D47114.D	56301-8	71	79	76	81	535982	2006823	902170
		94	73			1547193	1398979	1001674
D47115.D	56301-5	66	74	75	74	557728	2068143	952574
		81	84			1526992	1231070	363061 (*) ↓ 29%
D...16.D	56301-7	55	63	69	78	573837	2066104	936515
		82	115*			1600844	958223	216776 (*) ↓ 18%

t - fails 12hr time check * - fails criteria

Created: Thu Apr 27 09:59:32 2006 D Instrum

analytics environmental laboratory LLC

INORGANIC RESULTS

analytics environmental laboratory LLC

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

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

April 27, 2006

CLIENT SAMPLE ID

Project Name: Subbase New London
Project Number:
Client Sample ID: NSB-NLON-SITE7-CS-GW-01

SAMPLE DATA

Lab Sample ID: 56346-1
Matrix: Aqueous
Collection Date: 04/25/06 Time Collected: 9:00
Lab Receipt Date: 04/26/06
Analysis Date: 04/26/06 Time Analyzed: 13:39

pH ANALYSIS

Sample	Result	Units
56346-1	**7.1**	pH Units

METHODOLOGY: Sample was analyzed according to "EPA 600 Method 150.1."

COMMENTS:

Authorized signature

EPA 600, Method 150.1
SW-846 Method 9045C
SW-846 Method 9040B

DATE 4/26/06

Manufacturer Lot #'s/Exp Date:

4.0 Buffer /
7.0 Buffer JZIC x 1/07
10.0 Buffer RID x 9/06
7.0 Second Source/ QC Buffer 044063-24 x 9/06

pH Meter Calibration	Buffers 4.00	7.00	10.00	Slope	Temp deg C	Analyst
*	/	7.01	10.06	90.9	20.8	RM
*	/	7.01	10.05	918	20.8	RM
		7.01	10.06	97.9	20.8	RM

	AEL Sample #	Analyst	Matrix	If Solid Matrix Wt (g)	If Solid Matrix H20 (ml)	pH / Time	Temp	pH Dup / Time *	Temp dup	Reporting Ave. pH
1	QC Buffer Check 7.0	RM	Std	/	/	7.02/1:32	21.0	7.03/1:34	21.0	7.025
2										
3	56346-1	RM	Liquid	/	/	7.12/1:37	21.0	7.12/1:39	21.0	7.12
4										
5										
6										
7										
8										
9										
0										
1						BH 04.26.06				
2										
3										
4										
5										
6										
7										
8										
9										
0										

3/17/28

Notes - pH must be taken at ambient temperature
- QC buffer check must be +/- .05 pH units.

* Duplicate pH measurements must be +/- .10 pH units.

*Slope too low - recal

✓ BH 04.26.06

SEVERN TRENT STL

ANALYTICAL REPORT

Job Number: 680-15994-1

SDG Number:

Job Description: Analytics

For:
Analytics Environmental Laboratory, LLC
195 Commerce Way
Suite E
Portsmouth, NH 03801

Attention: Mr. Stephen Knollmeyer

Bernard Kirkland
Project Manager I
bkirkland@stl-inc.com
04/28/2006

Project Manager: Bernard Kirkland

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the STL Project Manager who signed this report.

ACCREDITED IN ACCORDANCE WITH nelac

METHOD SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15994-1
Sdg Number:

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Inductively Coupled Plasma - Atomic Emission Spectrometry	STL-SAV	SW846 6010B	
Acid Digestion of Aqueous Samples and Extracts	STL-SAV		SW846 3010A
HEM and SGT-HEM by Extraction and Gravimetry	STL-SAV	40CFR136A 1664A	
HEM and SGT-HEM by Extraction and	STL-SAV		EPA-01 1664A

LAB REFERENCES:

STL-SAV = STL-Savannah

METHOD REFERENCES:

40CFR136A - "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15994-1
Sdg Number:

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-15994-1	NSB-NLON-SITE7-CS-SL-GW-01	Water	04/25/2006 0900	04/27/2006 0935

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15994-1
Sdg Number:

Client Sample ID: NSB-NLON-SITE7-CS-SL-GW-01

Lab Sample ID: 680-15994-1
Client Matrix: Water

Date Sampled: 04/25/2006 0900
Date Received: 04/27/2006 0935

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 04/28/2006 1249
Date Prepared: 04/27/2006 0950

Analysis Batch: 680-43251
Prep Batch: 680-43052

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Lead	29		3.5	12

General Chemistry

Client Sample ID: **NSB-NLON-SITE7-CS-SL-GW-01**

Lab Sample ID: 680-15994-1
Client Matrix: Water

Date Sampled: 04/25/2006 0900
Date Received: 04/27/2006 0935

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
HEM (Oil & Grease)	1.3	U	mg/L	1.3	5.0	1.0	1664A
Anly Batch: 680-43176	Date Analyzed	04/28/2006 0907					
Prep Batch: 680-43022	Date Prepared:	04/27/2006 0704					

DATA REPORTING QUALIFIERS

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15994-1
Sdg Number:

Lab Section	Qualifier	Description
Metals		
	U	Analyte was not detected at or above the reporting limit.
General Chemistry		
	U	Analyte was not detected at or above the reporting limit.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15994-1
Sdg Number:

Method Blank - Batch: 680-43052

Method: 6010B
Preparation: 3010A

Lab Sample ID: MB 680-43052/14-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/28/2006 1240
Date Prepared: 04/27/2006 0950

Analysis Batch: 680-43251
Prep Batch: 680-43052
Units: ug/L

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Lead	3.5	U	3.5	12

Laboratory Control Sample - Batch: 680-43052

Method: 6010B
Preparation: 3010A

Lab Sample ID: LCS 680-43052/15-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/28/2006 1245
Date Prepared: 04/27/2006 0950

Analysis Batch: 680-43251
Prep Batch: 680-43052
Units: ug/L

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Lead	500	495	99	75 - 125	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-15994-1
Sdg Number:

Method Blank - Batch: 680-43022

Method: 1664A
Preparation: 1664A

Lab Sample ID: MB 680-43022/21-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/28/2006 0907
Date Prepared: 04/27/2006 0704

Analysis Batch: 680-43176
Prep Batch: 680-43022
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 500 mL
Final Weight/Volume: 500 mL

Analyte	Result	Qual	MDL	RL
HEM (Oil & Grease)	1.3	U	1.3	5.0

Laboratory Control Sample - Batch: 680-43022

Method: 1664A
Preparation: 1664A

Lab Sample ID: LCS 680-43022/22-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/28/2006 0907
Date Prepared: 04/27/2006 0704

Analysis Batch: 680-43176
Prep Batch: 680-43022
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 500 mL
Final Weight/Volume: 500 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
HEM (Oil & Grease)	40.0	44.0	110	78 - 114	

Calculations are performed before rounding to avoid round-off errors in calculated results.

JICGA

Chain Of Custody Form

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 2, 10/25/04

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C _____
3) Received in good condition Y or N
4) pH checked by: _____
5) Labels checked by: _____

Project#: Proj. Name: Subbase New London - Site 7

Company: ANALYTICS Environmental Laboratory LLC

Contact: Stephen Knollmeyer

Address: 195 COMMERCE WAY
PORTSMOUTH, NH 03801

Phone: 603-436-5111 PO# Quote #

Sampler (Signature):

Matrix Key:
WW=Wastewater
SW=Surfacewater
GW=Groundwater
DW=Drinkingwater
S=Soil/Sludge
O=Oil
E=Extract
X=Other

Container Key
P=plastic G=glass

Preservation

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4°C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
NSB-NLON-SITE7-CS-SL-GW-01	4/25/06	9:00	Total Pb		X	X					GW	~~GW~~ 1 DPM 4/26/06	P		56346-1
NSB-NLON-SITE7-CS-SL-GW-01	4/25/06	9:00	Oil + Grease		X		X				GW	1	G		56346-1

Email RESULTS? YES NO
Email sknollmeyer@analyticslab.com
Fax RESULTS? YES NO
Fax# 603-430-2151

Comments / Instructions:
Please reference Station ID number and AEL Lab number on report(s).
- DOD QSM
- STD Report

680-15994
TEMP: 2.2°C

Turnaround Request

Standard ☐ Due Date _____
Priority ☒ Due Date 4/28/06

Page 1 of 1

Received By: | Received By: UPS | Received By: [signature]

Time: | Time: 1650 | Time: 0935

Date: | Date: 4/26/06 | Date: 4/27/06

Relinquished By Sampler: | Relinquished By: [signature] | Relinquished By:

326/328

Analytics\AEL Documents\AEL COC

Chain Of Custody Form

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 2, 10/25/04

Samples were:
1) Shipped or hand-delivered MJG 4-26-06
2) Temp blank °C 6.0
3) Received in good condition Y or N
4) pH checked by: MJG 4-26-06
5) Labels checked by: DJ 4-26-06

Project#: Proj. Name: Subbase New London Site 7
Company: Tteci
Contact: Rick Woodworth
Address:
Phone: PO# Quote #
Sampler (Signature): Paul W. Anderson

Matrix Key:
WW=Wastewater
SW=Surfacewater
GW=Groundwater
DW=Drinkingwater
S=Soil/Sludge
O=Oil
F=Extract
X=Other

Container Key
P=plastic G=glass

Preservation

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4°C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
NSB-NLON-SITE7-CS-GW-01	4-25-06	0900	pH, total lead, oil & grease, VOCs 624	X	X	X			X		GW	7	G/P	1.5	56346-1
NSB-NLON-SITE7-BOT-CS-SL-07	"	1325	PAH, % solid, VOC's	X	X				X		S	3	G		-2
NSB-NLON-SITE7-SWN-CS-SL-09	"	1320	"	X	X				X		↓	↓	↓		-3
NSB-NLON-SITE7-SWW-CS-SL-11	"	1300	"	X	X				X		↓	↓	↓		-4
NSB-NLON-SITE7-BOT-CS-SL-08	"	1315	"	X	X				X		↓	↓	↓		-5
NSB-NLON-SITE7-SWE-CS-SL-10	"	1310	"	X	X				X		↓	↓	↓		-6
NSB-NLON-SITE7-SWW-CS-SL-11-042506-1	"	1300	"	X	X				X		↓	↓	↓		-7
Trip Blank	030608		VOC's		X				X		—	1	G		-8

Email RESULTS? YES NO
Email
Fax RESULTS? YES NO
Fax#

Comments / Instructions:

24 hour turnaround time

Turnaround Request
Standard ☐ Due Date
Priority ☑ Due Date AEL 4/27 STL 4/28

Page 1 of 1

Received By: Fed Ex Time: 1700 Date: 4-25-06
Received By: [signature] Time: 1030 Date: 4-26-06
Received By: Time: Date:
Relinquished By Sampler: Paul W. Anderson
Relinquished By: Fed Ex
Relinquished By:

Analytics\AEL Documents\AEL COC

327/328

ANALYTICS SAMPLE RECEIPT CHECKLIST

analytics environmental laboratory LLC

AEL LAB#: 56346 COOLER NUMBER: NA

CLIENT: _____ NUMBER OF COOLERS: 1

PROJECT: Subbase New London - Site 7 DATE RECEIVED: 4-26-06

A: PRELIMINARY EXAMINATION: DATE COOLER OPENED: 4-26-06

1. Cooler received by(initials) MJG Date Received: 4-26-06
2. Did cooler come with a shipping slip? yes (Y) N

If YES, enter carrier name and airbill number here: FedEx 7908-9877-6962

3. Were custody seals on the outside of cooler? Y (N)
How many & where: _____ Seal Date: _____ Seal Name: Well-taped

4. Did the custody seals arrive unbroken and intact upon arrival? (Y) N

5. COC#: _____

6. Were Custody papers filled out properly (ink,signed, etc)? signed not in ink Y (N)

7. Were custody papers sealed in a plastic bag? (Y) N

8. Did you sign the COC in the appropriate place? (Y) N

9. Was the project identifiable from the COC papers? (Y) N

10. Was enough ice used to chill the cooler? (Y) N Temp. of cooler: 6.0

B. Log-In: Date samples were logged in: 4-26-06 By: MJG

11. Type of packing in cooler(bubble wrap, (popcorn)) (Y) N

12. Were all bottles sealed in separate plastic bags? (Y) N

13. Did all bottles arrive unbroken and were labels in good condition? (Y) N

14. Were all bottle labels complete(ID,Date,time,etc.) (Y) N

15. Did all bottle labels agree with custody papers? (Y) N

16. Were the correct containers used for the tests indicated: (Y) N

17. Were samples received at the correct pH? (Y) N

18. Was sufficient amount of sample sent for the tests indicated? (Y) N

19. Were bubbles absent in VOA samples? Y (N)

If NO, List sample #'s: _____

20. Laboratory labeling verified by (initials): Date: MJ 4-26-06

analytics environmental laboratory LLC

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Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

July 6, 2006

Mr. Rick Woodworth
Tetra Tech EC Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

RE: Analytical Results Case Narrative
Analytics # 56384
Subbase New London Site 7
Groton, CT

Dear Mr. Woodworth;

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

Samples were analyzed for Volatile Organic Compounds (VOCs) using EPA Method 8260B and Polynuclear Aromatic Hydrocarbons (PAHs) using EPA Method .

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

This Level IV data package has been assembled in the following order with raw data included after each of the forms:

Case Narrative/Non-Conformance Summary
Sample Log Sheet - Cover Page
Data Summary
VOC Form 1 Data Sheet for Samples and Blanks
Chromatograms and Raw Data
VOC Form 2 Surrogate Recoveries
VOC Form 3 MS/MSD (LCS) Recoveries
Chromatograms and Raw Data
VOC Form 4 Method Blank Summary (equiv.) GC/MS Logbook Sheets
VOC Form 5 BFB Tune Summaries
Chromatograms and Raw Data
VOC Form 6 Initial Calibration Data (equiv..) Response Factor Report
Chromatograms and Raw Data
VOC Form 7 Continuing Calibration Check (equiv.)
Chromatograms and Raw Data
VOC Form 8 Internal Standard Area and RT Summary

PAH Form 1 Data Sheet for Samples and Blanks
Chromatograms and Raw Data
PAH Form 2 Surrogate Recoveries
PAH Form 3 MS/MSD (LCS) Recoveries
Chromatograms and Raw Data
PAH Form 4 Method Blank Summary (equiv.) GC/MS Logbook Sheets
PAH Form 5 DFTPP Tune Summaries
Chromatograms and Raw Data
PAH Form 6 Initial Calibration Data (equiv.) Response Factor Report
Chromatograms and Raw Data
PAH Form 7 Continuing Calibration Check (equiv.)
Chromatograms and Raw Data
PAH Form 8 Internal Standard Area and RT Summary
Chain of Custody (COC) Forms and Sample Receipt Checklist

QC NON CONFORMANCE SUMMARY

Sample Receipt:
No QC deviations.

VOCs by EPA Method 8260:
The following analytes were not 'J" flagged in this report: Methylene choride, Diethyl ether, Acetone, Hexachlorobutadiene, Naphthalene, and 1,2-Dichloroethane.

The initial calibration analyzed 04/17/06 (V804176C) had %RSD greater than 15% for Bromomethane. The average RSD of all analytes was <15%. Bromomethane had acceptable recoveries in the second source calibration check standard. Results were reported without qualification.

Vinyl Chloride had recovery outside the laboratory acceptance criteria in the laboratory control sample analyzed 04/26/06 (LS04266C). The laboratory control sample was reanalyzed (LS0426C2) with similar results. Results were reported without qualification.

Carbon Disulfide had %D outside the acceptance criteria in the continuing calibration standard (file C58652SC) analyzed 4/28/06. The laboratory control samples (LS04286C/LS04286C2) were in control for Carbon disulfide. The laboratory control samples LS04286C/LS04286C2 had low recovery for Vinyl chloride. All other analytes were in control. These analytes were not detected in any samples for this SDG and results were reported without qualification.

The laboratory control sample analyzed 04/28/06 (L804286C) had high recovery for Chloromethane and Bromomethane. These analytes were not detected in any samples for this SDG and results were reported without qualification.

Three analytes had recoveries outside the laboratory acceptance criteria in the MS analyzed on 56384-3(NSB-NLON-Site7-EXS-SWN-CS-SL-10A). The MSD had high recoveries for all but six compounds and most analytes had high RPDs. The analyst noted that the vial for the MSD appeared to have lost methanol due to leakage. The laboratory control samples for the QC batch (LS06266C/Ls06266C2), L804286C and LS05016c/LS05016C2) were in control except as stated in this narrative.

Dichlorodifluoromethane had %D outside the acceptance criteria in the continuing calibration standard (file C58690SC) analyzed 05/01/06. The laboratory control samples (LS05016C/LS05016C2) were in control Dichlorodifluoromethane. The laboratory control sample LS05016C had low recovery for Chloromethane and Vinyl chloride. The laboratory control sample was reanalyzed LS05016C2 with acceptable recovery for Chloromethane and similar vinyl chloride results. These analytes were not detected in any samples for this SDG and results were reported without qualification.

PAHs by EPA Method 8270:
No QC deviations.

Sincerely,
ANALYTICS Environmental Laboratory, LLC

Stephen L. Knollmeyer
Laboratory Director

analytics environmental laboratory LLC

195 Commerce Way Suite E
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Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

Report Number: 56384

Revision: Rev. 0

Re: Groton Subbase-Site 7

Enclosed are the results of the analyses on your sample(s). Samples were received on 28 April 2006 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
56384-1	04/27/06	NSB-NLON-Site7-EXS-SWN-CS-SL-09A	EPA 8260 Volatile Organics	
	04/27/06	NSB-NLON-Site7-EXS-SWN-CS-SL-09A	EPA 8270 (PAH only)	
56384-2	04/27/06	NSB-NLON-Site7-EXS-SWN-CS-SL-09A-042706-1	EPA 8260 Volatile Organics	
	04/27/06	NSB-NLON-Site7-EXS-SWN-CS-SL-09A-042706-1	EPA 8270 (PAH only)	
56384-3	04/27/06	NSB-NLON-Site7-EXS-SWN-CS-SL-10A	EPA 8260 Volatile Organics	
	04/27/06	NSB-NLON-Site7-EXS-SWN-CS-SL-10A	EPA 8270 (PAH only)	
56384-4	04/27/06	Trip Blank	EPA 8260 Volatile Organics	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, North Carolina, New York, Virginia, Pennsylvania and is validated by the U.S. Army Corps of Engineers (MRD) and U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 05/01/06

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analytics environmental laboratory LLC

VOLATILE
DATA SUMMARIES

analytics environmental laboratory LLC

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

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

July 6, 2006

CLIENT SAMPLE ID

Project Name: Groton Subbase-Site 7

Project Number:

Field Sample ID: LAB QC

SAMPLE DATA

Lab Sample ID: MB04266C
Matrix: Solid
Percent Solid: 100
Dilution Factor: 100
Collection Date: N/A
Lab Receipt Date: N/A
Analysis Date: 04/26/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	100	U	1,3-Dichloropropane	100	U
Bromobenzene	100	U	cis-1,3-Dichloropropene	100	U
Bromochloromethane	100	U	trans-1,3-Dichloropropene	100	U
Bromodichloromethane	75	U	2,2-Dichloropropane	100	U
Bromoform	75	U	1,1-Dichloropropene	100	U
Bromomethane	100	U	Ethylbenzene	100	U
n-butylbenzene	100	U	Hexachlorobutadiene	100	U
sec-butylbenzene	100	U	Isopropylbenzene	100	U
tert-butylbenzene	100	U	p-isopropyltoluene	100	U
Carbon Tetrachloride	100	U	Methylene Chloride	500	U
Chlorobenzene	100	U	Methyl-tert-butyl ether (MTBE)	100	U
Chloroethane	100	U	Naphthalene	100	U
Chloroform	75	U	n-Propylbenzene	100	U
Chloromethane	100	U	Styrene	100	U
2-Chlorotoluene	100	U	1,1,1,2-Tetrachloroethane	100	U
4-Chlorotoluene	100	U	1,1,2,2-Tetrachloroethane	75	U
Dibromochloromethane	75	U	Tetrachloroethene	100	U
1,2-Dibromo-3-chloropropane	100	U	Toluene	100	U
1,2-Dibromoethane	75	U	1,2,3-Trichlorobenzene	100	U
Dibromomethane	100	U	1,2,4-Trichlorobenzene	100	U
1,2-Dichlorobenzene	100	U	1,1,1-Trichloroethane	100	U
1,3-Dichlorobenzene	100	U	1,1,2-Trichloroethane	75	U
1,4-Dichlorobenzene	100	U	Trichloroethene	100	U
Dichlorodifluoromethane	100	U	Trichlorofluoromethane	100	U
1,1-Dichloroethane	100	U	1,2,3-Trichloropropane	100	U
1,2-Dichloroethane	75	U	1,2,4-Trimethylbenzene	100	U
1,1-Dichloroethene	75	U	1,3,5-Trimethylbenzene	100	U
cis-1,2-Dichloroethene	100	U	Vinyl Chloride	100	U
trans-1,2-Dichloroethene	100	U	o-Xylene	100	U
1,2-Dichloropropane	75	U	m,p-Xylene	100	U
Acetone	1000	U	Diethyl ether	100	U
Carbon Disulfide	100	U	2-Hexanone	1000	U
Tetrahydrofuran	500	U	Methyl isobutyl ketone	1000	U
Methyl ethyl ketone	1000	U	Di-isopropyl ether (DIPE)	100	U
t-Butyl alcohol (TBA)	2000	U	Ethyl t-butyl ether (ETBE)	100	U
t-Amyl methyl ether (TAME)	100	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	102	%	d8-Toluene	109	%	Bromofluorobenzene	113	%

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

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

COMMENTS: Results are expressed on a dry weight basis.

8260 full

Authorized signature

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606C\C58567B.D
Acq On : 26 Apr 2006 11:47 am
Sample : MB04266C
Misc : 50,5.00,SOIL
Integration Params: rteint.p
Quant Time: Apr 26 12:06 2006

Vial: 4
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/27/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.99	168	238435	20.00	ug/L	-0.03
39) 1,4-Difluorobenzene	8.48	114	381629	20.00	ug/L	-0.02
63) *d5-Chlorobenzene	13.01	117	339953	20.00	ug/L	-0.02
87) 1,4-Dichlorobenzene-d4	16.73	152	181261	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.86	65	193206	20.39	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.95% ✓			
36) d4-1,2-Dichloroethane	7.86	65	193206	20.39	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.95% ✓			
54) d8-Toluene	10.73	98	464542	21.75	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 108.75% ✓			
73) Bromofluorobenzene	14.88	95	195323	22.61	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 113.05% ✓			

Target Compounds Qvalue

ND

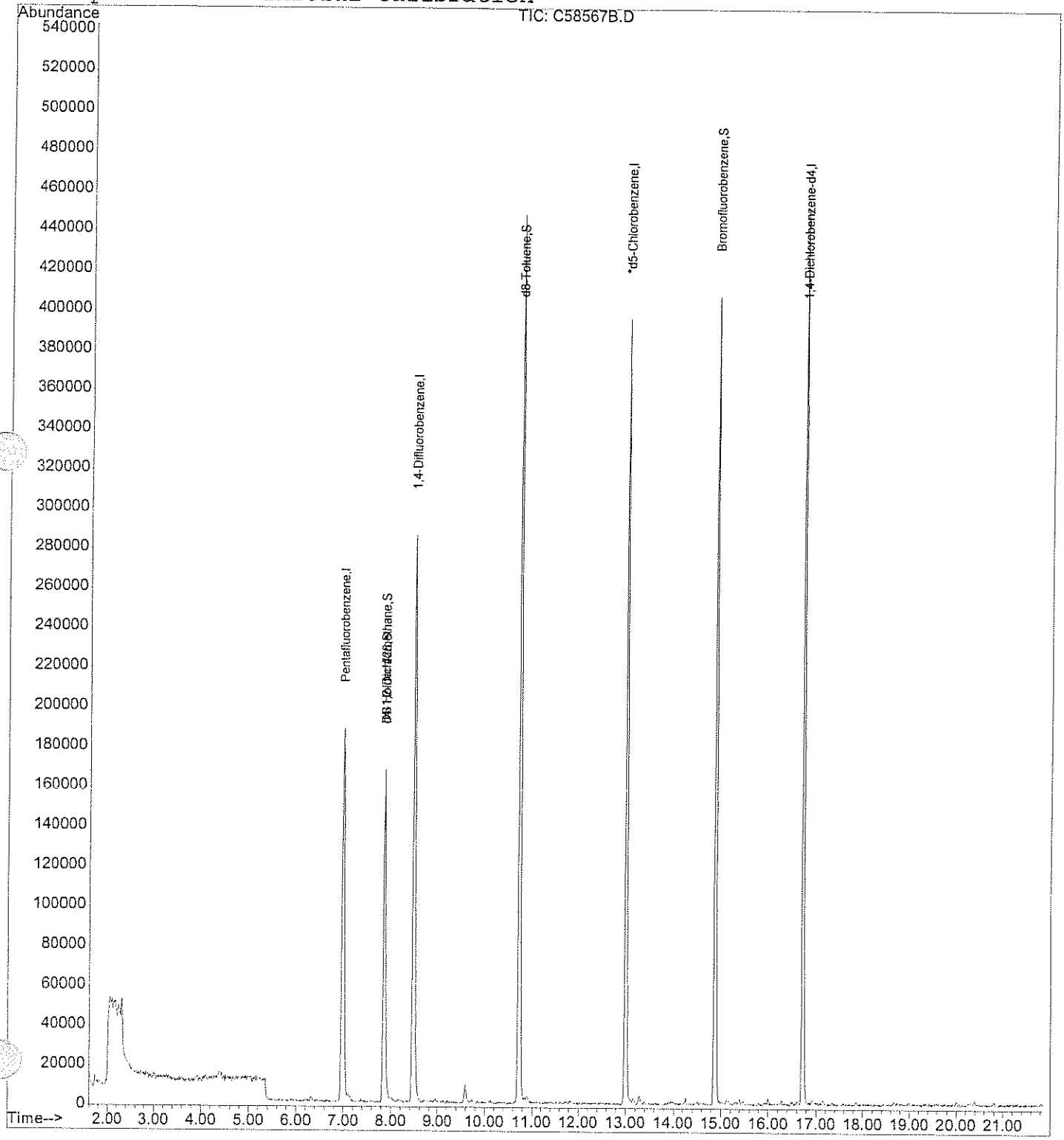
(#) = qualifier out of range (m) = manual integration
C58567B.D V804176C.M Wed Apr 26 12:06:27 2006 Page 1

Data File : D:\HPCHEM\1\DATA\042606C\C58567B.D
Acq On : 26 Apr 2006 11:47 am
Sample : MB04266C
Misc : 50,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Apr 26 12:06 2006

Vial: 4
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration



analytics environmental laboratory LLC

195 Commerce Way
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Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

July 6, 2006

CLIENT SAMPLE ID

Project Name: Groton Subbase-Site 7

Project Number:

Field Sample ID: LAB QC

SAMPLE DATA

Lab Sample ID: B804286C
Matrix: Solid
Percent Solid: 100
Dilution Factor: 100
Collection Date: N/A
Lab Receipt Date: N/A
Analysis Date: 04/28/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	100	U	1,3-Dichloropropane	100	U
Bromobenzene	100	U	cis-1,3-Dichloropropene	100	U
Bromochloromethane	100	U	trans-1,3-Dichloropropene	100	U
Bromodichloromethane	75	U	2,2-Dichloropropane	100	U
Bromoform	75	U	1,1-Dichloropropene	100	U
Bromomethane	100	U	Ethylbenzene	100	U
n-butylbenzene	100	U	Hexachlorobutadiene	100	U
sec-butylbenzene	100	U	Isopropylbenzene	100	U
tert-butylbenzene	100	U	p-isopropyltoluene	100	U
Carbon Tetrachloride	100	U	Methylene Chloride	500	U
Chlorobenzene	100	U	Methyl-tert-butyl ether (MTBE)	100	U
Chloroethane	100	U	Naphthalene	100	U
Chloroform	75	U	n-Propylbenzene	100	U
Chloromethane	100	U	Styrene	100	U
2-Chlorotoluene	100	U	1,1,1,2-Tetrachloroethane	100	U
4-Chlorotoluene	100	U	1,1,2,2-Tetrachloroethane	75	U
Dibromochloromethane	75	U	Tetrachloroethene	100	U
1,2-Dibromo-3-chloropropane	100	U	Toluene	100	U
1,2-Dibromoethane	75	U	1,2,3-Trichlorobenzene	100	U
Dibromomethane	100	U	1,2,4-Trichlorobenzene	100	U
1,2-Dichlorobenzene	100	U	1,1,1-Trichloroethane	100	U
1,3-Dichlorobenzene	100	U	1,1,2-Trichloroethane	75	U
1,4-Dichlorobenzene	100	U	Trichloroethene	100	U
Dichlorodifluoromethane	100	U	Trichlorofluoromethane	100	U
1,1-Dichloroethane	100	U	1,2,3-Trichloropropane	100	U
1,2-Dichloroethane	75	U	1,2,4-Trimethylbenzene	100	U
1,1-Dichloroethene	75	U	1,3,5-Trimethylbenzene	100	U
cis-1,2-Dichloroethene	100	U	Vinyl Chloride	100	U
trans-1,2-Dichloroethene	100	U	o-Xylene	100	U
1,2-Dichloropropane	75	U	m,p-Xylene	100	U
Acetone	1000	U	Diethyl ether	100	U
Carbon Disulfide	100	U	2-Hexanone	1000	U
Tetrahydrofuran	500	U	Methyl isobutyl ketone	1000	U
Methyl ethyl ketone	1000	U	Di-isopropyl ether (DIPE)	100	U
t-Butyl alcohol (TBA)	2000	U	Ethyl t-butyl ether (ETBE)	100	U
t-Amyl methyl ether (TAME)	100	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	94 %	d8-Toluene	100 %	Bromofluorobenzene	100 %

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

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

COMMENTS: Results are expressed on a dry weight basis.

8260 full

Authorized signature Melissa Sull

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042806C\C58655B.D Vial: 5
Acq On : 28 Apr 2006 1:38 pm Operator:
Sample : B804286C Inst : Instr_C
Misc : 5000,,W/ 50UL MEOH Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 28 13:59 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/29/06 5.1.06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.96	168	244255	20.00	ug/L	-0.05
39) 1,4-Difluorobenzene	8.44	114	394829 ✓	20.00	ug/L	-0.05
63) *d5-Chlorobenzene	12.98	117	360367	20.00	ug/L	-0.04
87) 1,4-Dichlorobenzene-d4	16.71	152	186741	20.00	ug/L	-0.03
System Monitoring Compounds						
28) DB Holder #28	7.83	65	181764	18.72	ug/L	-0.04
Spiked Amount 20.000	Range 70 - 130		Recovery = 93.60% ✓			
36) d4-1,2-Dichloroethane	7.83	65	181764	18.72	ug/L	-0.04
Spiked Amount 20.000	Range 70 - 130		Recovery = 93.60% ✓			
54) d8-Toluene	10.70	98	441793	20.00	ug/L	-0.04
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.00% ✓			
73) Bromofluorobenzene	14.85	95	182505	19.93	ug/L	-0.04
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.65% ✓			
Target Compounds						Qvalue
16) Methylene Chloride	4.37	84	12197	2.58	ug/L #	80
19) Methyl-tert-butyl ether (M	4.73	73	5046	<> 0.31	ug/L #	69

ND

(#) = qualifier out of range (m) = manual integration
C58655B.D V804176C.M Fri Apr 28 13:59:48 2006 Page 1

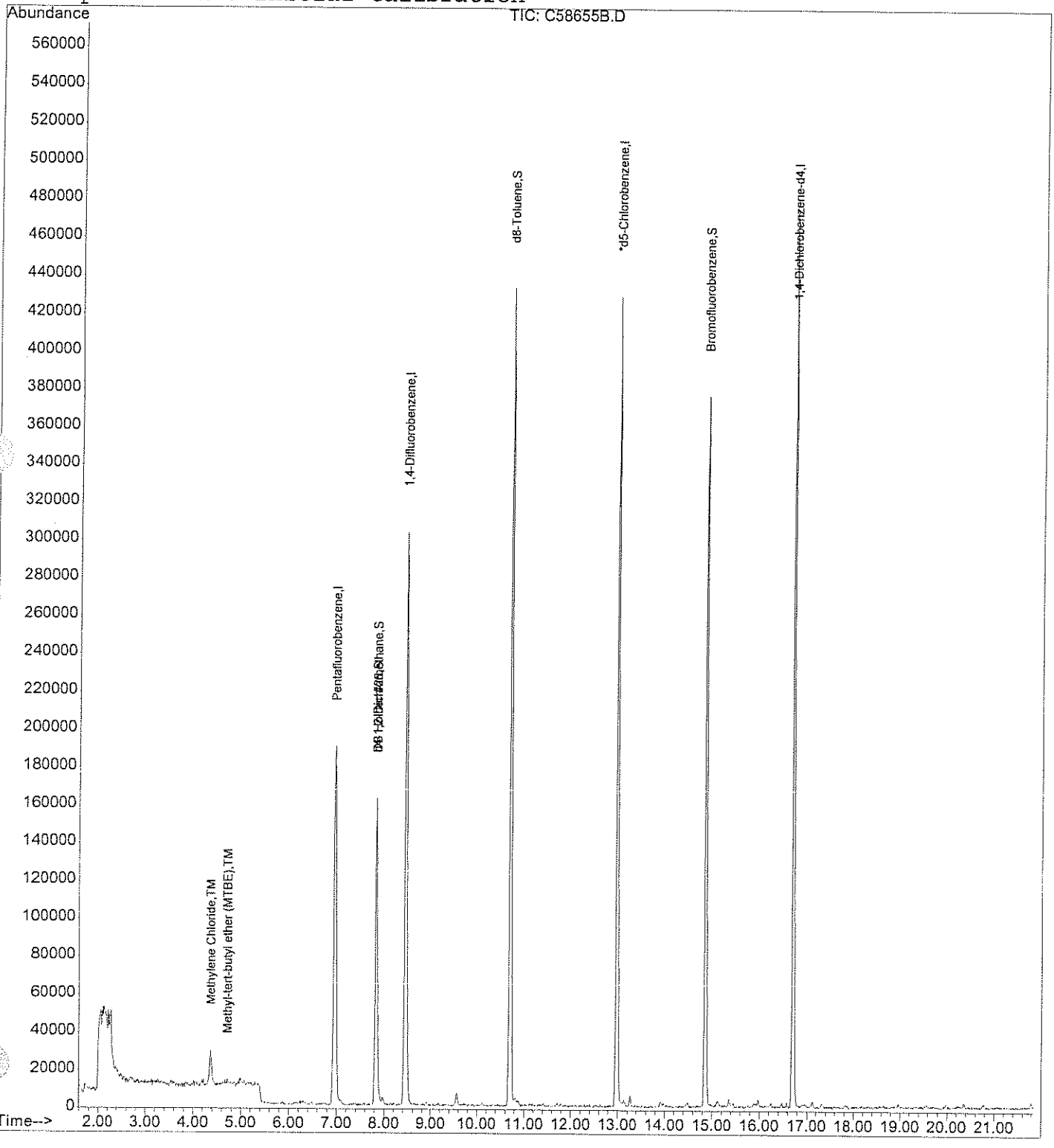
Quantitation Report

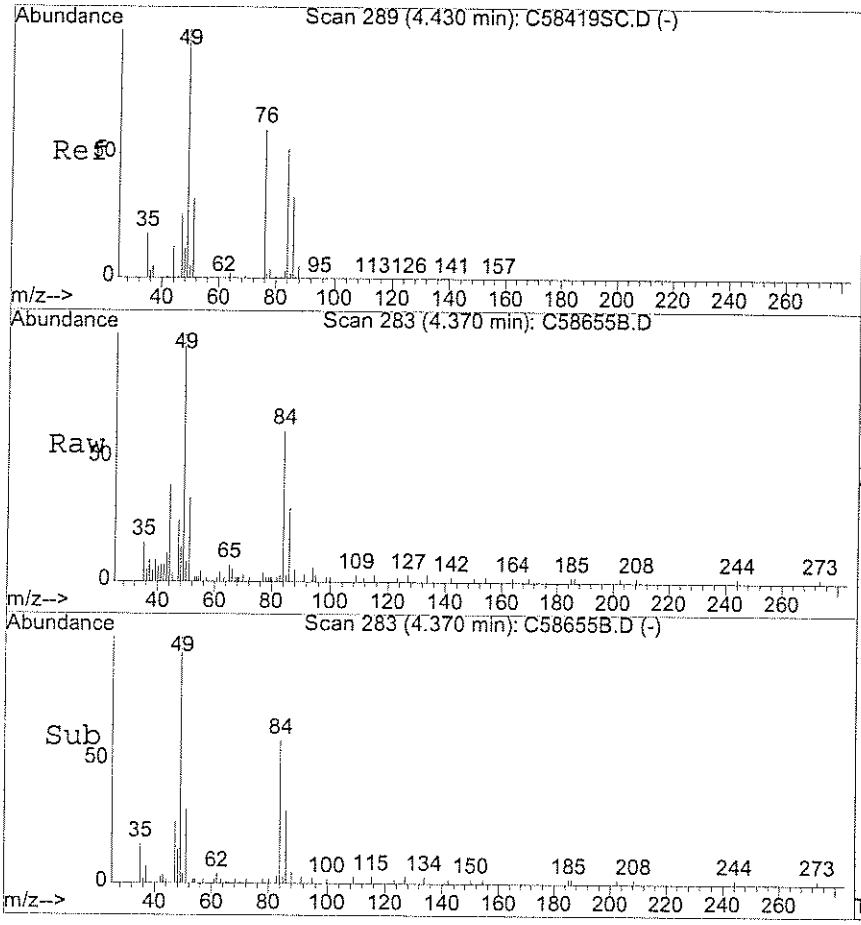
Data File : D:\HPCHEM\1\DATA\042806C\C58655B.D
Acq On : 28 Apr 2006 1:38 pm
Sample : B804286C
Misc : 5000,,W/ 50UL MEOH
MS Integration Params: rteint.p
Quant Time: Apr 28 13:59 2006

Vial: 5
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration

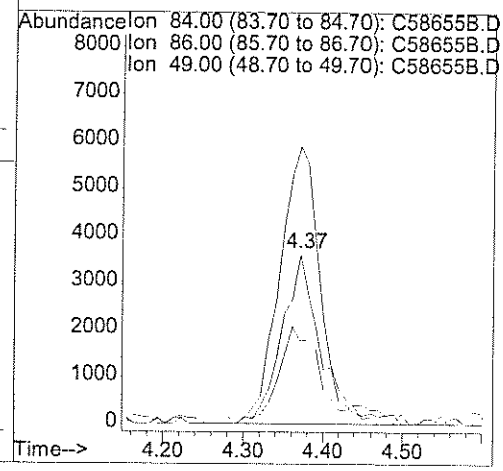


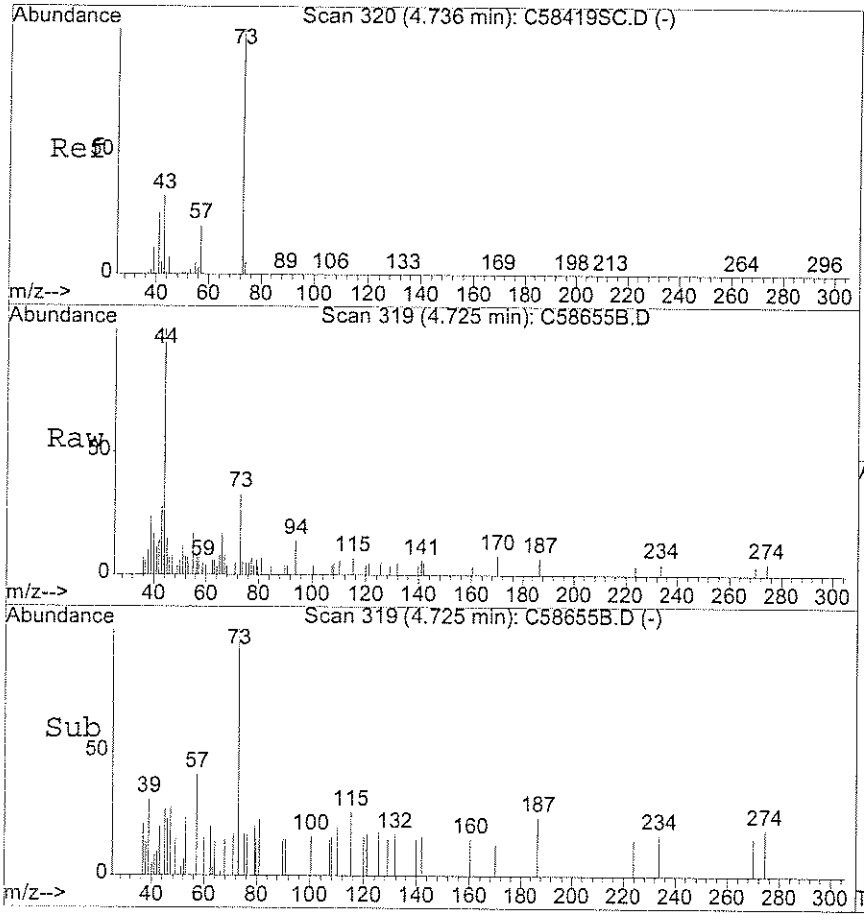


#16
Methylene Chloride
Concen: 2.58 ug/L
RT: 4.37 min Scan# 283
Delta R.T. -0.06 min
Lab File: C58655B.D
Acq: 28 Apr 2006 1:38 pm

Tgt Ion: 84 Resp: 12197

Ion	Ratio	Lower	Upper
84	100		
86	48.8	43.6	83.6
49	163.6	173.0	213.0#

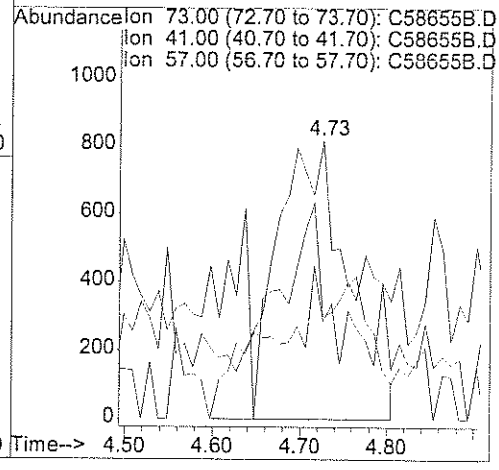




#19
Methyl-tert-butyl ether (MTBE
Concen: 0.31 ug/L
RT: 4.73 min Scan# 319
Delta R.T. -0.01 min
Lab File: C58655B.D
Acq: 28 Apr 2006 1:38 pm

Tgt Ion: 73 Resp: 5046

Ion	Ratio	Lower	Upper
73	100		
41	43.3	19.7	29.5#
57	10.6	17.1	25.7#



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Mr. Rick Woodworth
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Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

July 6, 2006

CLIENT SAMPLE ID

Project Name: Groton Subbase-Site 7

Project Number:

Field Sample ID: LAB QC

SAMPLE DATA

Lab Sample ID: MB05016C
Matrix: Solid
Percent Solid: 100
Dilution Factor: 100
Collection Date: N/A
Lab Receipt Date: N/A
Analysis Date: 05/01/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	100	U	1,3-Dichloropropane	100	U
Bromobenzene	100	U	cis-1,3-Dichloropropene	100	U
Bromochloromethane	100	U	trans-1,3-Dichloropropene	100	U
Bromodichloromethane	75	U	2,2-Dichloropropane	100	U
Bromoform	75	U	1,1-Dichloropropene	100	U
Bromomethane	100	U	Ethylbenzene	100	U
n-butylbenzene	100	U	Hexachlorobutadiene	100	U
sec-butylbenzene	100	U	Isopropylbenzene	100	U
tert-butylbenzene	100	U	p-isopropyltoluene	100	U
Carbon Tetrachloride	100	U	Methylene Chloride	500	U
Chlorobenzene	100	U	Methyl-tert-butyl ether (MTBE)	100	U
Chloroethane	100	U	Naphthalene	100	U
Chloroform	75	U	n-Propylbenzene	100	U
Chloromethane	100	U	Styrene	100	U
2-Chlorotoluene	100	U	1,1,1,2-Tetrachloroethane	100	U
4-Chlorotoluene	100	U	1,1,2,2-Tetrachloroethane	75	U
Dibromochloromethane	75	U	Tetrachloroethene	100	U
1,2-Dibromo-3-chloropropane	100	U	Toluene	100	U
1,2-Dibromoethane	75	U	1,2,3-Trichlorobenzene	100	U
Dibromomethane	100	U	1,2,4-Trichlorobenzene	100	U
1,2-Dichlorobenzene	100	U	1,1,1-Trichloroethane	100	U
1,3-Dichlorobenzene	100	U	1,1,2-Trichloroethane	75	U
1,4-Dichlorobenzene	100	U	Trichloroethene	100	U
Dichlorodifluoromethane	100	U	Trichlorofluoromethane	100	U
1,1-Dichloroethane	100	U	1,2,3-Trichloropropane	100	U
1,2-Dichloroethane	75	U	1,2,4-Trimethylbenzene	100	U
1,1-Dichloroethene	75	U	1,3,5-Trimethylbenzene	100	U
cis-1,2-Dichloroethene	100	U	Vinyl Chloride	100	U
trans-1,2-Dichloroethene	100	U	o-Xylene	100	U
1,2-Dichloropropane	75	U	m,p-Xylene	100	U
Acetone	1000	U	Diethyl ether	100	U
Carbon Disulfide	100	U	2-Hexanone	1000	U
Tetrahydrofuran	500	U	Methyl isobutyl ketone	1000	U
Methyl ethyl ketone	1000	U	Di-isopropyl ether (DIPE)	100	U
t-Butyl alcohol (TBA)	2000	U	Ethyl t-butyl ether (ETBE)	100	U
t-Amyl methyl ether (TAME)	100	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	84	%	d8-Toluene	87	%	Bromofluorobenzene	90 %

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

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

COMMENTS: Results are expressed on a dry weight basis.

8260 full

Authorized signature Melissa Tull

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\050106C\C58694B.D
Acq On : 1 May 2006 11:32 am
Sample : MB05016C
Misc : 50,5.00,SOIL
Integration Params: rteint.p
Quant Time: May 1 12:04 2006

Vial: 1
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 5/2/06

5.3.06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.95	168	232663	20.00	ug/L	-0.07
39) 1,4-Difluorobenzene	8.43	114	360381	20.00	ug/L	-0.06
63) *d5-Chlorobenzene	12.97	117	336416 ✓	20.00	ug/L	-0.05
87) 1,4-Dichlorobenzene-d4	16.69	152	175942	20.00	ug/L	-0.05
System Monitoring Compounds						
28) DB Holder #28	7.81	65	155571	16.82	ug/L	-0.06
Spiked Amount 20.000	Range 70 - 130		Recovery = 84.10% ✓			
36) d4-1,2-Dichloroethane	7.81	65	155571	16.82	ug/L	-0.06
Spiked Amount 20.000	Range 70 - 130		Recovery = 84.10% ✓			
54) d8-Toluene	10.69	98	352236	17.47	ug/L	-0.05
Spiked Amount 20.000	Range 70 - 130		Recovery = 87.35% ✓			
73) Bromofluorobenzene	14.84	95	153231	17.93	ug/L	-0.05
Spiked Amount 20.000	Range 70 - 130		Recovery = 89.65% ✓			

Target Compounds Qvalue

ND

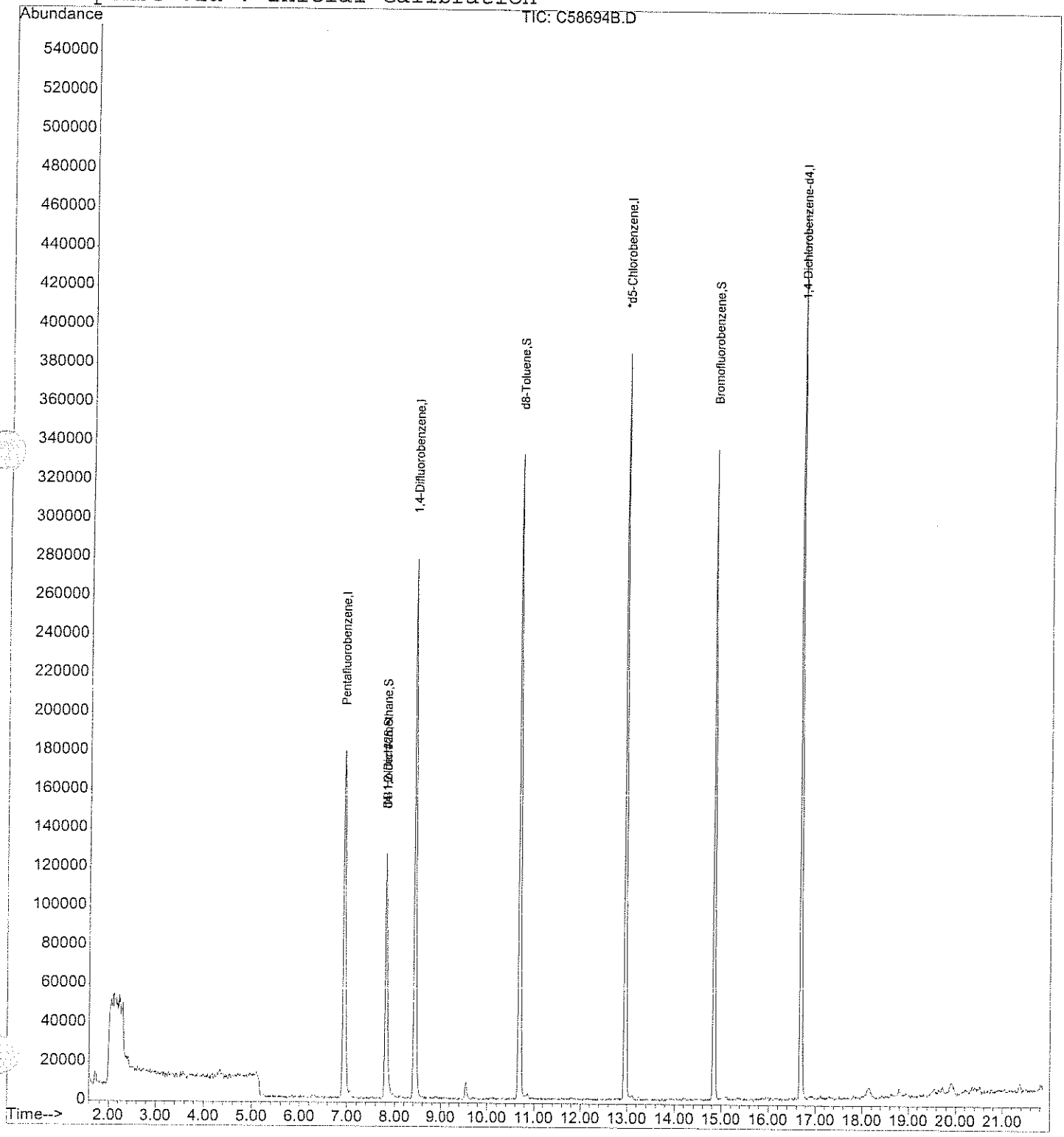
(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\050106C\C58694B.D
Acq On : 1 May 2006 11:32 am
Sample : MB05016C
Misc : 50,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: May 1 12:04 2006

Vial: 1
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration



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820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

May 1, 2006

CLIENT SAMPLE ID

Project Name: Groton Subbase-Site 7

Project Number:

Field Sample ID: NSB-NLON-Site7-EXS-SWN-CS-SL-09A

SAMPLE DATA

Lab Sample ID: 56384-1
Matrix: Solid
Percent Solid: 89
Dilution Factor: 57
Collection Date: 04/27/06
Lab Receipt Date: 04/28/06
Analysis Date: 04/28/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	20	U	1,3-Dichloropropane	57	U
Bromobenzene	57	U	cis-1,3-Dichloropropene	57	U
Bromochloromethane	57	U	trans-1,3-Dichloropropene	57	U
Bromodichloromethane	43	U	2,2-Dichloropropane	57	U
Bromoform	43	U	1,1-Dichloropropene	57	U
Bromomethane	57	U	Ethylbenzene	57	U
n-butylbenzene	57	U	Hexachlorobutadiene	57	U
sec-butylbenzene	57	U	Isopropylbenzene	57	U
tert-butylbenzene	57	U	p-isopropyltoluene	57	U
Carbon Tetrachloride	57	U	Methylene Chloride	284	U
Chlorobenzene	57	U	Methyl-tert-butyl ether (MTBE)	57	U
Chloroethane	57	U	Naphthalene	57	U
Chloroform	43	U	n-Propylbenzene	57	U
Chloromethane	57	U	Styrene	57	U
2-Chlorotoluene	57	U	1,1,1,2-Tetrachloroethane	57	U
4-Chlorotoluene	57	U	1,1,2,2-Tetrachloroethane	43	U
Dibromochloromethane	43	U	Tetrachloroethene	57	U
1,2-Dibromo-3-chloropropane	57	U	Toluene	57	U
1,2-Dibromoethane	43	U	1,2,3-Trichlorobenzene	57	U
Dibromomethane	57	U	1,2,4-Trichlorobenzene	57	U
1,2-Dichlorobenzene	57	U	1,1,1-Trichloroethane	57	U
1,3-Dichlorobenzene	57	U	1,1,2-Trichloroethane	43	U
1,4-Dichlorobenzene	57	U	Trichloroethene	57	U
Dichlorodifluoromethane	57	U	Trichlorofluoromethane	57	U
1,1-Dichloroethane	57	U	1,2,3-Trichloropropane	57	U
1,2-Dichloroethane	43	U	1,2,4-Trimethylbenzene	57	U
1,1-Dichloroethene	43	U	1,3,5-Trimethylbenzene	57	U
cis-1,2-Dichloroethene	57	U	Vinyl Chloride	57	U
trans-1,2-Dichloroethene	57	U	o-Xylene	57	U
1,2-Dichloropropane	43	U	m,p-Xylene	57	U
Acetone	569	U	Diethyl ether	57	U
Carbon Disulfide	57	U	2-Hexanone	569	U
Tetrahydrofuran	284	U	Methyl isobutyl ketone	569	U
Methyl ethyl ketone	569	U	Di-isopropyl ether (DIPE)	57	U
t-Butyl alcohol (TBA)	1140	U	Ethyl t-butyl ether (ETBE)	57	U
t-Amyl methyl ether (TAME)	57	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	86 %	d8-Toluene	95 %	Bromofluorobenzene	92 %

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

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

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

8260 full

Authorized signature

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042806C\C58657.D Vial: 7
Acq On : 28 Apr 2006 2:57 pm Operator:
Sample : 56384-1 Inst : Instr_C
Misc : 75,6.58,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 28 14:57 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/29/06
DF = (5000)(5) / (75mL)(6.58g)(.8910) = 56.9
JK

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.96	168	244577	20.00	ug/L	-0.06
39) 1,4-Difluorobenzene	8.45	114	389458 ✓	20.00	ug/L	-0.05
63) *d5-Chlorobenzene	12.98	117	366800 ✓	20.00	ug/L	-0.05
87) 1,4-Dichlorobenzene-d4	16.70	152	192151	20.00	ug/L	-0.04
System Monitoring Compounds						
28) DB Holder #28	7.83	65	167067	17.19	ug/L	-0.05
Spiked Amount 20.000	Range 70 - 130		Recovery =	85.95% ✓		
36) d4-1,2-Dichloroethane	7.83	65	167067	17.19	ug/L	-0.05
Spiked Amount 20.000	Range 70 - 130		Recovery =	85.95% ✓		
54) d8-Toluene	10.71	98	411926	18.90	ug/L	-0.04
Spiked Amount 20.000	Range 70 - 130		Recovery =	94.50% ✓		
73) Bromofluorobenzene	14.86	95	172107	18.47	ug/L	-0.04
Spiked Amount 20.000	Range 70 - 130		Recovery =	92.35% ✓		

Target Compounds Qvalue

ND

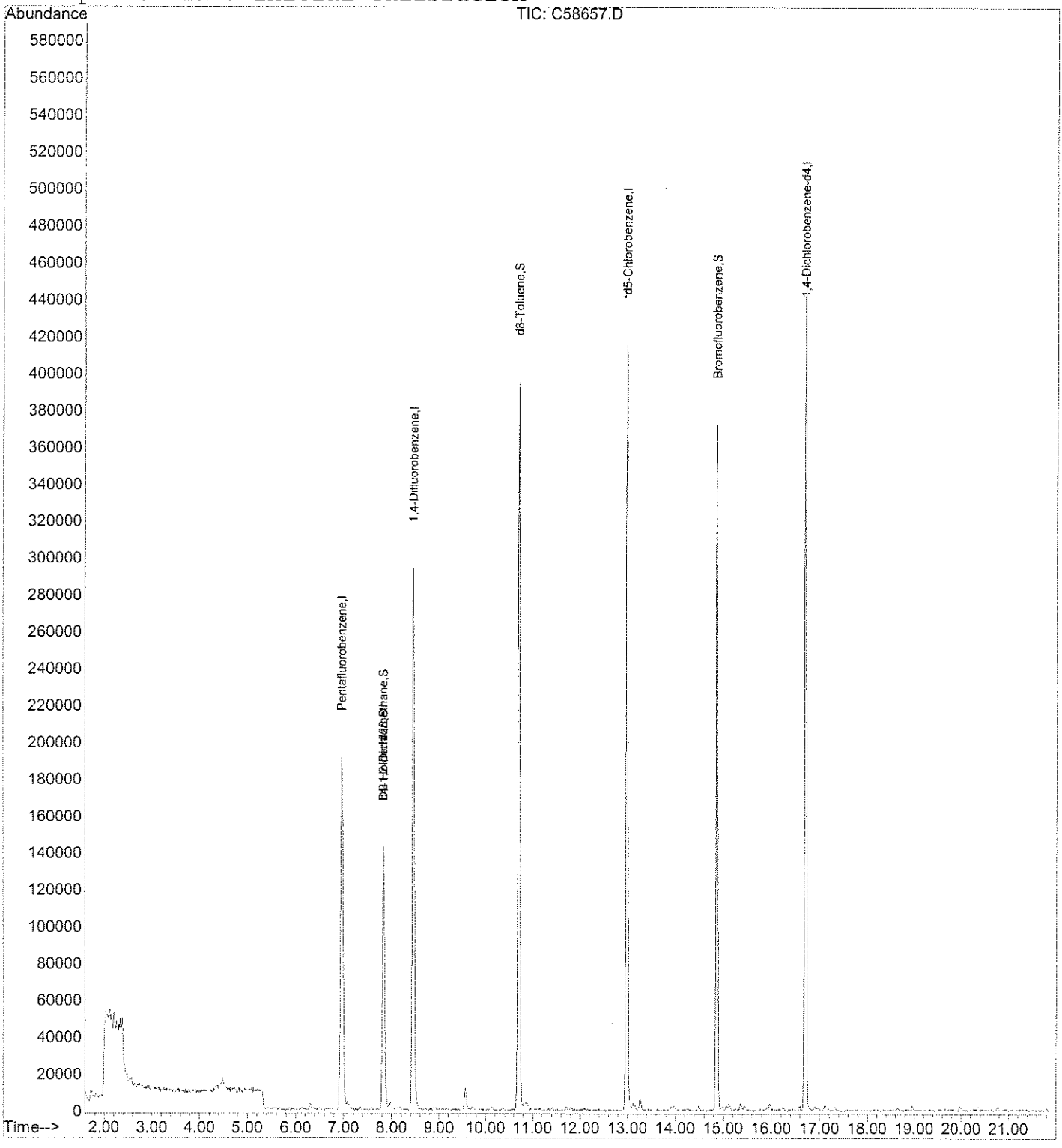
1,2-DCE

(#) = qualifier out of range (m) = manual integration
C58657.D V804176C.M Fri Apr 28 14:57:32 2006 Page 1

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042806C\C58657.D Vial: 7
Acq On : 28 Apr 2006 2:57 pm Operator:
Sample : 56384-1 Inst : Instr_C
Misc : 75,6.58,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 28 14:57 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration



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Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

May 1, 2006

CLIENT SAMPLE ID

Project Name: Groton Subbase-Site 7

Project Number:

Field Sample ID: NSB-NLON-Site7-EXS-SWN-CS-SL-09A-042706-1

SAMPLE DATA

Lab Sample ID: 56384-2
Matrix: Solid
Percent Solid: 90
Dilution Factor: 58
Collection Date: 04/27/06
Lab Receipt Date: 04/28/06
Analysis Date: 04/28/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	20	U	1,3-Dichloropropane	58	U
Bromobenzene	58	U	cis-1,3-Dichloropropene	58	U
Bromochloromethane	58	U	trans-1,3-Dichloropropene	58	U
Bromodichloromethane	43	U	2,2-Dichloropropane	58	U
Bromoform	43	U	1,1-Dichloropropene	58	U
Bromomethane	58	U	Ethylbenzene	58	U
n-butylbenzene	58	U	Hexachlorobutadiene	58	U
sec-butylbenzene	58	U	Isopropylbenzene	58	U
tert-butylbenzene	58	U	p-isopropyltoluene	58	U
Carbon Tetrachloride	58	U	Methylene Chloride	288	U
Chlorobenzene	58	U	Methyl-tert-butyl ether (MTBE)	58	U
Chloroethane	58	U	Naphthalene	58	U
Chloroform	43	U	n-Propylbenzene	58	U
Chloromethane	58	U	Styrene	58	U
2-Chlorotoluene	58	U	1,1,1,2-Tetrachloroethane	58	U
4-Chlorotoluene	58	U	1,1,2,2-Tetrachloroethane	43	U
Dibromochloromethane	43	U	Tetrachloroethene	58	U
1,2-Dibromo-3-chloropropane	58	U	Toluene	58	U
1,2-Dibromoethane	43	U	1,2,3-Trichlorobenzene	58	U
Dibromomethane	58	U	1,2,4-Trichlorobenzene	58	U
1,2-Dichlorobenzene	58	U	1,1,1-Trichloroethane	58	U
1,3-Dichlorobenzene	58	U	1,1,2-Trichloroethane	43	U
1,4-Dichlorobenzene	58	U	Trichloroethene	58	U
Dichlorodifluoromethane	58	U	Trichlorofluoromethane	58	U
1,1-Dichloroethane	58	U	1,2,3-Trichloropropane	58	U
1,2-Dichloroethane	43	U	1,2,4-Trimethylbenzene	58	U
1,1-Dichloroethene	43	U	1,3,5-Trimethylbenzene	58	U
cis-1,2-Dichloroethene	58	U	Vinyl Chloride	58	U
trans-1,2-Dichloroethene	58	U	o-Xylene	58	U
1,2-Dichloropropane	43	U	m,p-Xylene	58	U
Acetone	577	U	Diethyl ether	58	U
Carbon Disulfide	58	U	2-Hexanone	577	U
Tetrahydrofuran	288	U	Methyl isobutyl ketone	577	U
Methyl ethyl ketone	577	U	Di-isopropyl ether (DIPE)	58	U
t-Butyl alcohol (TBA)	1150	U	Ethyl t-butyl ether (ETBE)	58	U
t-Amyl methyl ether (TAME)	58	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	89 %	d8-Toluene	95 %	Bromofluorobenzene	99 %

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

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

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

8260 full

Authorized signature

Quantitation Report (Not Reviewed)

Q

Data File : D:\HPCHEM\1\DATA\042806C\C58658.D
Acq On : 28 Apr 2006 3:30 pm
Sample : 56384-2
Misc : 75,6.41,SOIL
MS Integration Params: rteint.p
Quant Time: Apr 28 15:26 2006

Vial: 8
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/29/06

$Df = \frac{(5000)(5)}{(75ml)(6.41g)(.9013)} = 57.7$

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.96	168	250677	20.00 ug/L	-0.06
39) 1,4-Difluorobenzene	8.45	114	407276 ✓	20.00 ug/L	-0.05
63) *d5-Chlorobenzene	12.98	117	360201	20.00 ug/L	-0.05
87) 1,4-Dichlorobenzene-d4	16.70	152	197833	20.00 ug/L	-0.04

System Monitoring Compounds

28) DB Holder #28	7.83	65	177896	17.86 ug/L	-0.05
Spiked Amount 20.000	Range 70 - 130		Recovery =	89.30% ✓	
36) d4-1,2-Dichloroethane	7.83	65	177896	17.86 ug/L	-0.05
Spiked Amount 20.000	Range 70 - 130		Recovery =	89.30% ✓	
54) d8-Toluene	10.71	98	432508	18.98 ug/L	-0.04
Spiked Amount 20.000	Range 70 - 130		Recovery =	94.90% ✓	
73) Bromofluorobenzene	14.86	95	180470	19.72 ug/L	-0.04
Spiked Amount 20.000	Range 70 - 130		Recovery =	98.60% ✓	

Target Compounds Qvalue

ND

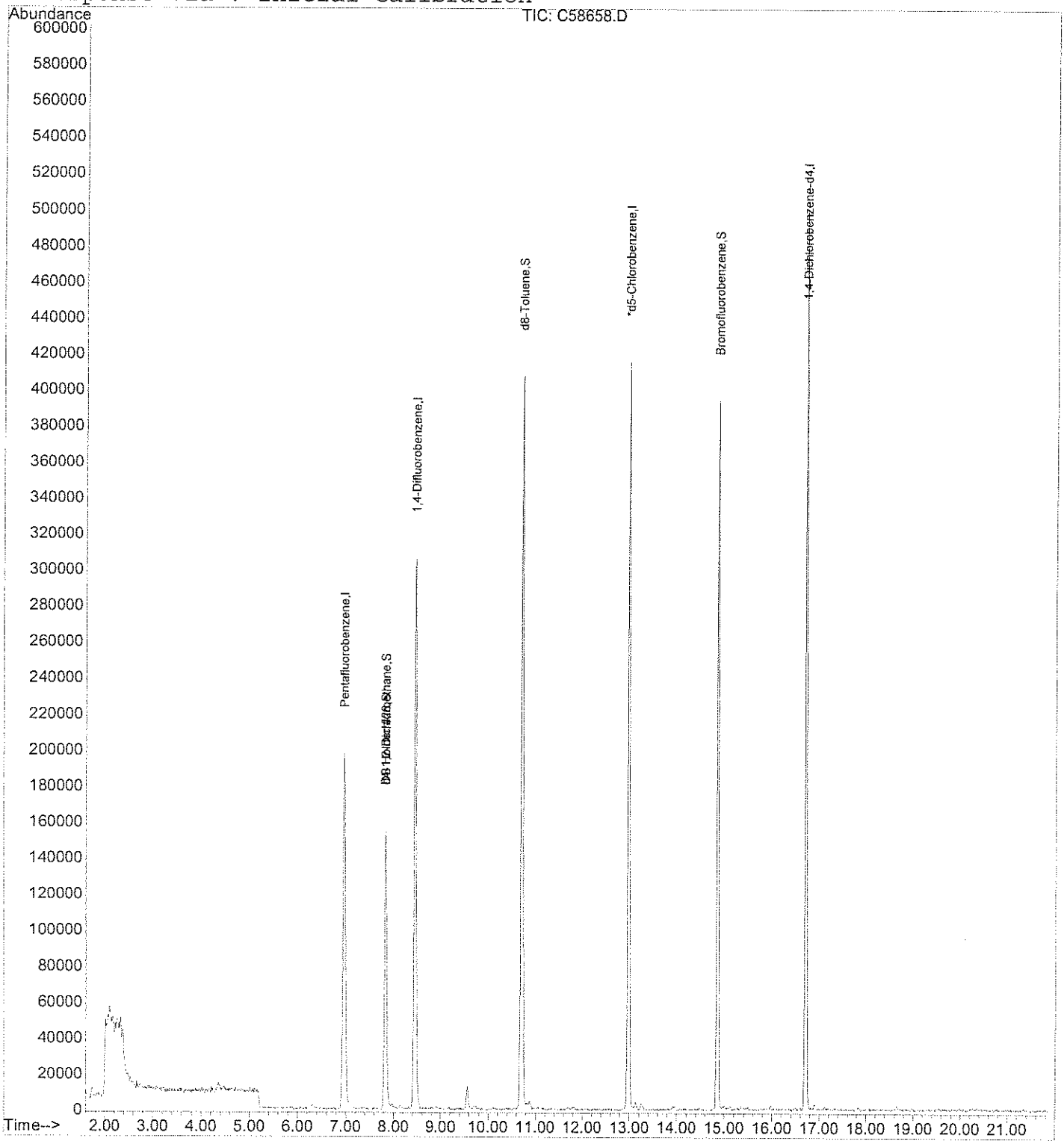
✓ 25-100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042806C\C58658.D Vial: 8
Acq On : 28 Apr 2006 3:30 pm Operator:
Sample : 56384-2 Inst : Instr_C
Misc : 75,6.41,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 28 15:26 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration



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Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

May 1, 2006

CLIENT SAMPLE ID

Project Name: Groton Subbase-Site 7

Project Number:

Field Sample ID: NSB-NLON-Site7-EXS-SWN-CS-SL-10A

SAMPLE DATA

Lab Sample ID: 56384-3
Matrix: Solid
Percent Solid: 90
Dilution Factor: 63
Collection Date: 04/27/06
Lab Receipt Date: 04/28/06
Analysis Date: 04/28/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	20	U	1,3-Dichloropropane	63	U
Bromobenzene	63	U	cis-1,3-Dichloropropene	63	U
Bromochloromethane	63	U	trans-1,3-Dichloropropene	63	U
Bromodichloromethane	47	U	2,2-Dichloropropane	63	U
Bromoform	47	U	1,1-Dichloropropene	63	U
Bromomethane	63	U	Ethylbenzene	63	U
n-butylbenzene	63	U	Hexachlorobutadiene	63	U
sec-butylbenzene	63	U	Isopropylbenzene	63	U
tert-butylbenzene	63	U	p-isopropyltoluene	63	U
Carbon Tetrachloride	63	U	Methylene Chloride	315	U
Chlorobenzene	63	U	Methyl-tert-butyl ether (MTBE)	63	U
Chloroethane	63	U	Naphthalene	63	**43 J**
Chloroform	47	U	n-Propylbenzene	63	U
Chloromethane	63	U	Styrene	63	U
2-Chlorotoluene	63	U	1,1,1,2-Tetrachloroethane	63	U
4-Chlorotoluene	63	U	1,1,2,2-Tetrachloroethane	47	U
Dibromochloromethane	47	U	Tetrachloroethene	63	U
1,2-Dibromo-3-chloropropane	63	U	Toluene	63	U
1,2-Dibromoethane	47	U	1,2,3-Trichlorobenzene	63	U
Dibromomethane	63	U	1,2,4-Trichlorobenzene	63	U
1,2-Dichlorobenzene	63	U	1,1,1-Trichloroethane	63	**6350 E**
1,3-Dichlorobenzene	63	U	1,1,2-Trichloroethane	47	U
1,4-Dichlorobenzene	63	U	Trichloroethene	63	U
Dichlorodifluoromethane	63	U	Trichlorofluoromethane	63	U
1,1-Dichloroethane	63	U	1,2,3-Trichloropropane	63	U
1,2-Dichloroethane	47	U	1,2,4-Trimethylbenzene	63	**76**
1,1-Dichloroethene	47	U	1,3,5-Trimethylbenzene	63	**48 J**
cis-1,2-Dichloroethene	63	U	Vinyl Chloride	63	U
trans-1,2-Dichloroethene	63	U	o-Xylene	63	**42 J**
1,2-Dichloropropane	47	U	m,p-Xylene	63	**81**
Acetone	631	U	Diethyl ether	63	U
Carbon Disulfide	63	U	2-Hexanone	631	U
Tetrahydrofuran	315	U	Methyl isobutyl ketone	631	U
Methyl ethyl ketone	631	U	Di-isopropyl ether (DIPE)	63	U
t-Butyl alcohol (TBA)	1260	U	Ethyl t-butyl ether (ETBE)	63	U
t-Amyl methyl ether (TAME)	63	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	104	%	d8-Toluene	108	%	Bromofluorobenzene	106 %

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

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

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

8260 full

Authorized signature

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042806C\C58659.D
Acq On : 28 Apr 2006 4:03 pm
Sample : 56384-3
Misc : 75,5.85,SOIL
MS Integration Params: rteint.p
Quant Time: Apr 28 15:55 2006

Vial: 9
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/29/06

DF= (5000)(5) / (75ml)(5.85g)(.9086) = 63.1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.96	168	241487	20.00 ug/L	-0.06
39) 1,4-Difluorobenzene	8.45	114	395657	20.00 ug/L	-0.05
63) *d5-Chlorobenzene	12.97	117	359404	20.00 ug/L	-0.05
87) 1,4-Dichlorobenzene-d4	16.70	152	189361	20.00 ug/L	-0.04

System Monitoring Compounds

28) DB Holder #28	7.83	65	198878	20.72 ug/L	-0.05
Spiked Amount 20.000	Range 70 - 130		Recovery =	103.60%	
36) d4-1,2-Dichloroethane	7.83	65	198878	20.72 ug/L	-0.05
Spiked Amount 20.000	Range 70 - 130		Recovery =	103.60%	
54) d8-Toluene	10.71	98	477805	21.58 ug/L	-0.04
Spiked Amount 20.000	Range 70 - 130		Recovery =	107.90%	
73) Bromofluorobenzene	14.86	95	194178	21.26 ug/L	-0.04
Spiked Amount 20.000	Range 70 - 130		Recovery =	106.30%	

Target Compounds					Qvalue
32) 1,1,1-Trichloroethane	7.33	97	1041074	E 100.69 ug/L	97
~~43)~~ Methyl acetate	4.20	43	3064	~~0.51~~ ug/L #	82
48) Methylcyclohexane	9.00	83	14735	1.74 ug/L	95
67) m,p-Xylene	13.26	106	13488	1.28 ug/L	87
68) o-Xylene	13.92	106	6783	0.67 ug/L	92
78) 1,3,5-Trimethylbenzene	15.36	105	16797	0.75 ug/L	85
82) 1,2,4-Trimethylbenzene	15.97	105	27442	1.21 ug/L	96
96) Naphthalene	20.36	128	13867	0.68 ug/L	100

6

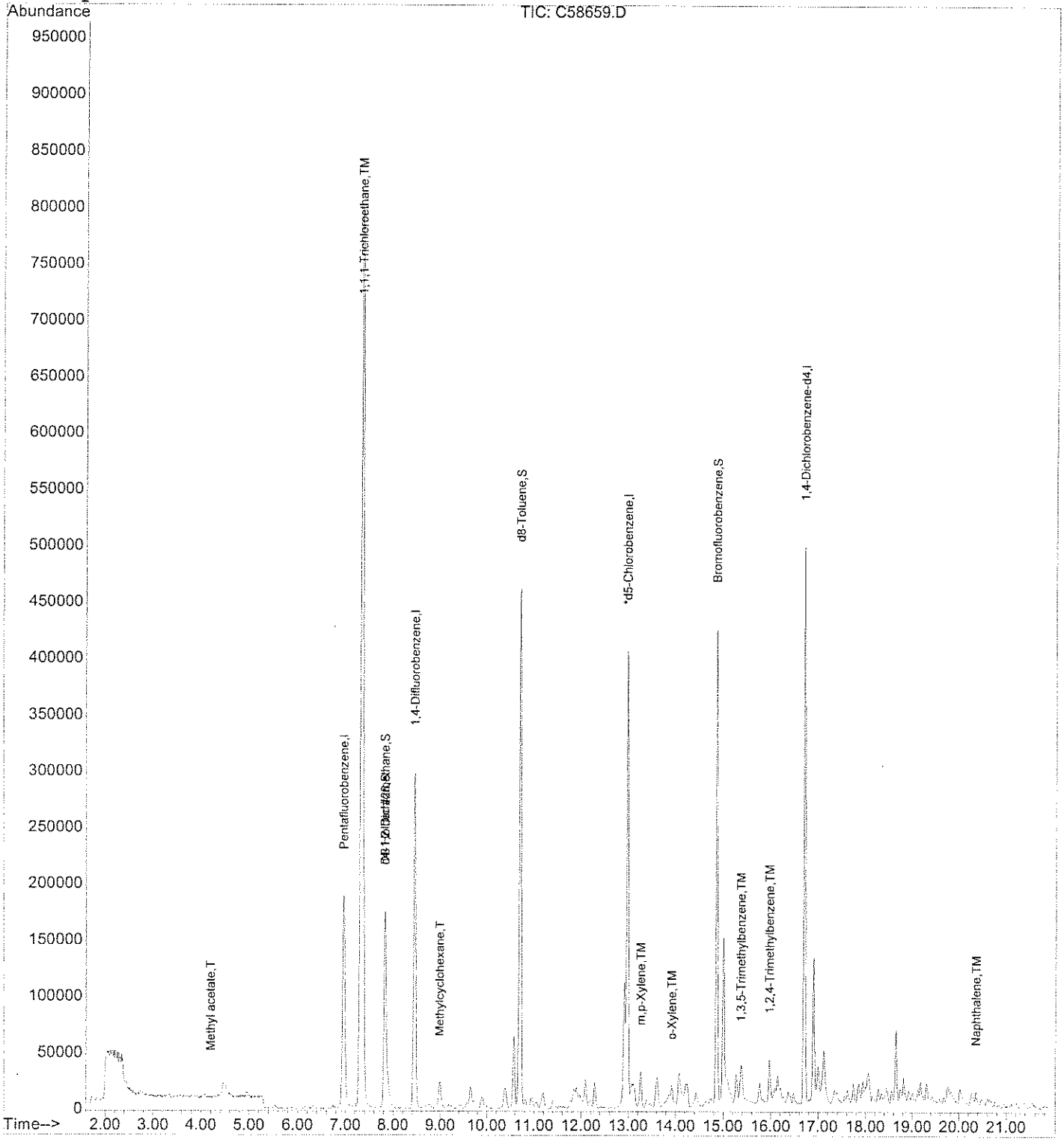
DJ 9/06

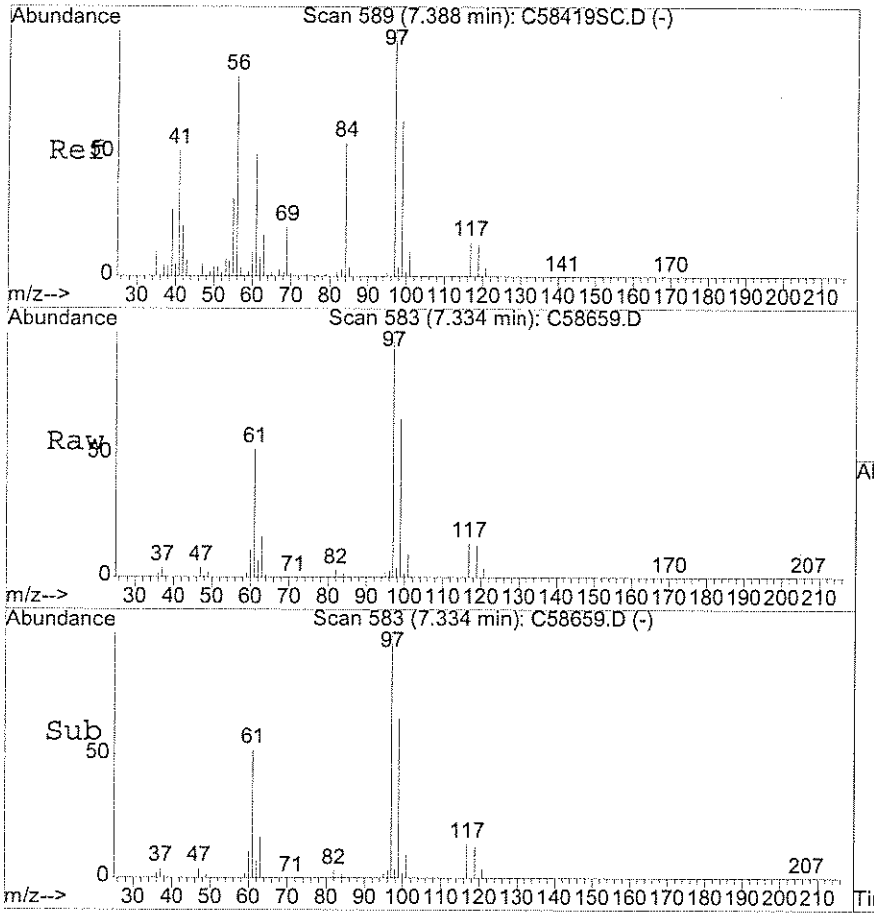
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042806C\C58659.D Vial: 9
Acq On : 28 Apr 2006 4:03 pm Operator:
Sample : 56384-3 Inst : Instr_C
Misc : 75,5.85,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 28 15:55 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration

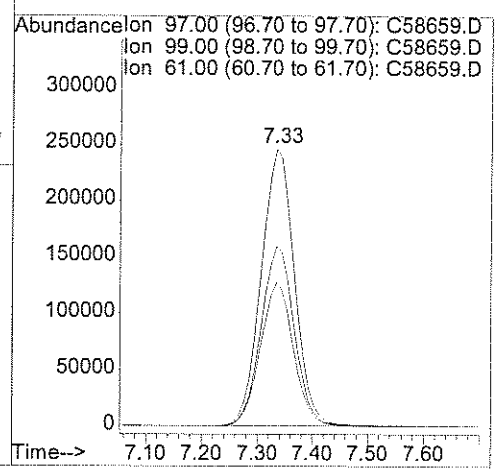


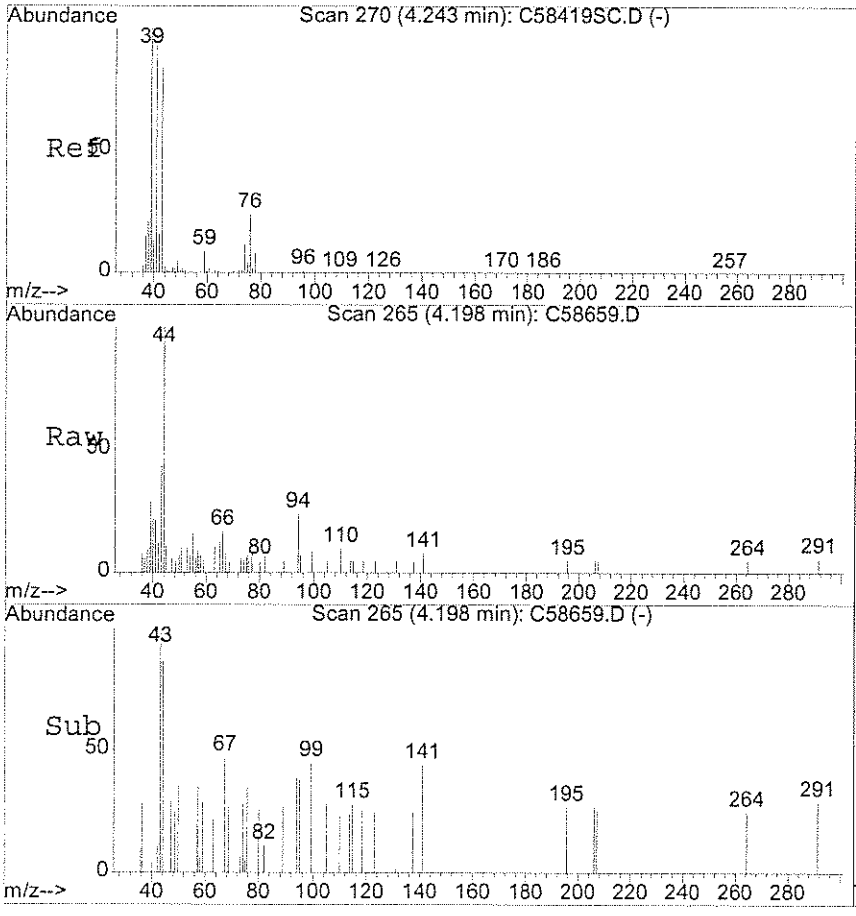


#32
1,1,1-Trichloroethane
Concen: 100.69 ug/L
RT: 7.33 min Scan# 583
Delta R.T. -0.06 min
Lab File: C58659.D
Acq: 28 Apr 2006 4:03 pm

Tgt Ion: 97 Resp: 1041074

Ion	Ratio	Lower	Upper
97	100		
99	64.8	42.6	82.6
61	51.7	29.9	69.9

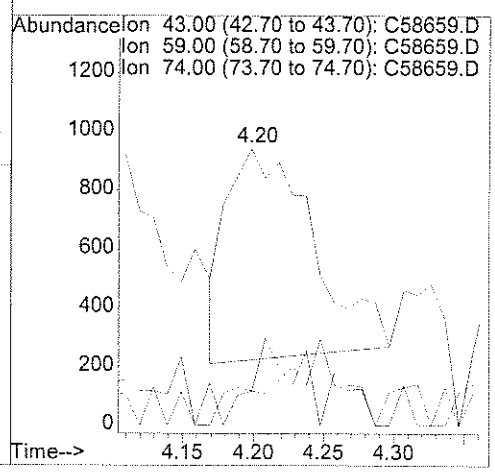


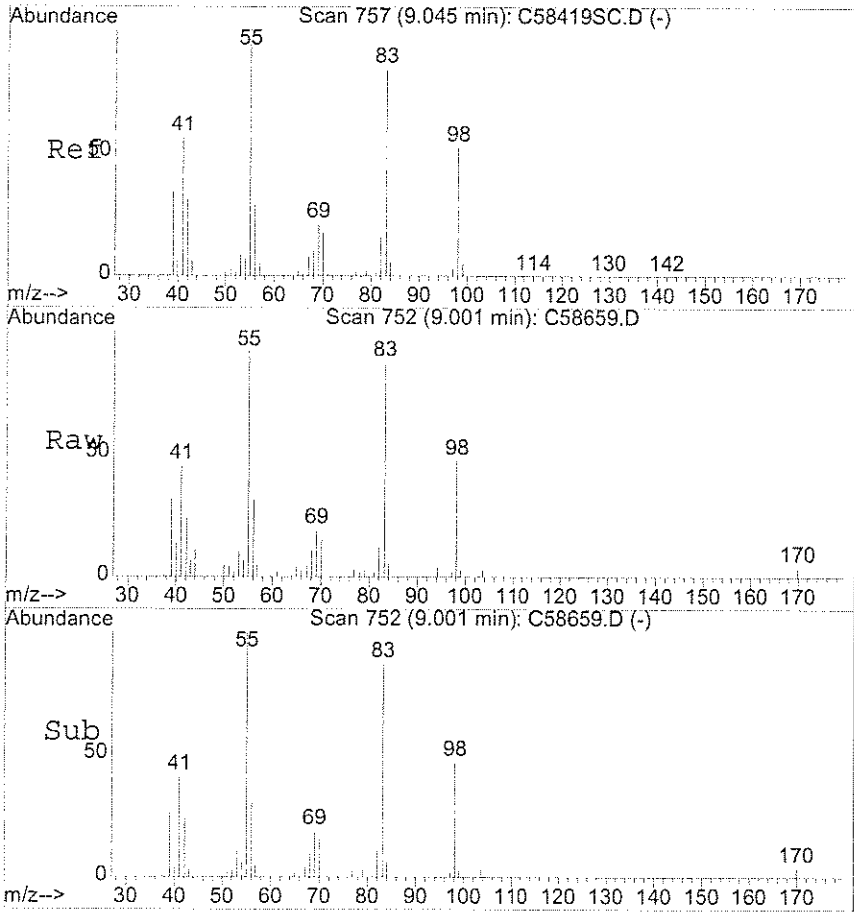


#43
Methyl acetate
Concen: 0.51 ug/L
RT: 4.20 min Scan# 265
Delta R.T. -0.05 min
Lab File: C58659.D
Acq: 28 Apr 2006 4:03 pm

Tgt Ion: 43 Resp: 3064

Ion	Ratio	Lower	Upper
43	100		
59	0.0	7.9	11.9#
74	21.4	12.8	19.2#

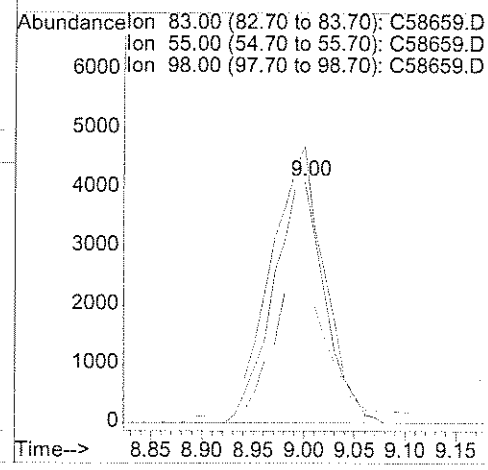




#48
Methylcyclohexane
Concen: 1.74 ug/L
RT: 9.00 min Scan# 752
Delta R.T. -0.05 min
Lab File: C58659.D
Acq: 28 Apr 2006 4:03 pm

Tgt Ion: 83 Resp: 14735

Ion	Ratio	Lower	Upper
83	100		
55	123.7	93.2	139.8
98	63.6	49.0	73.4



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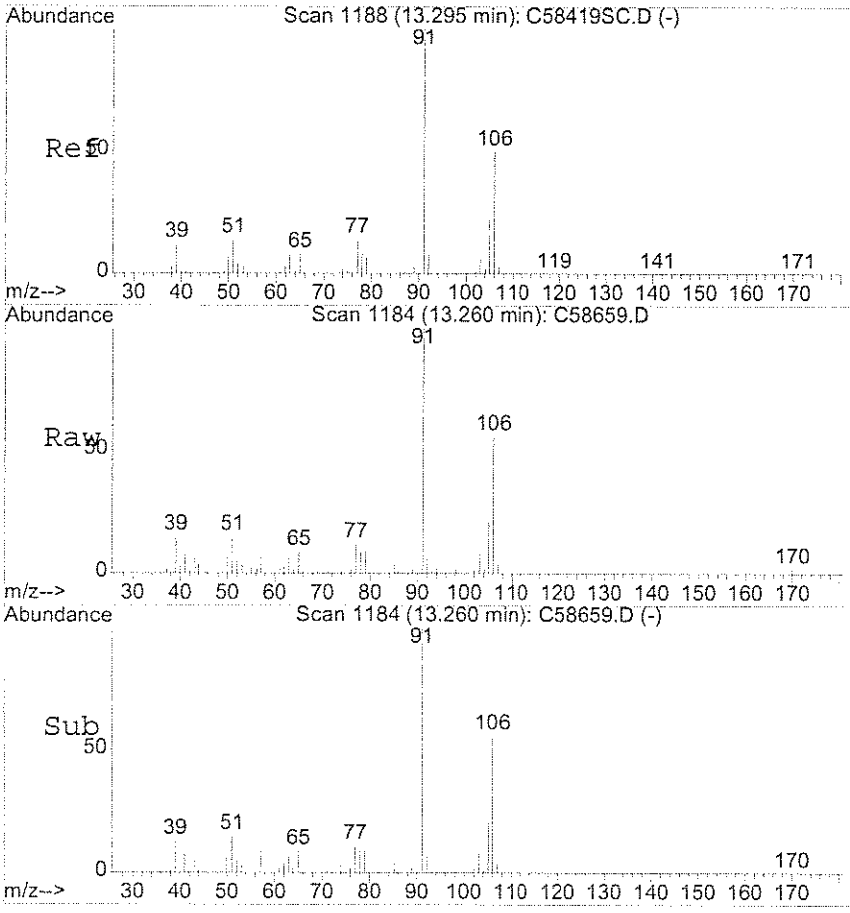
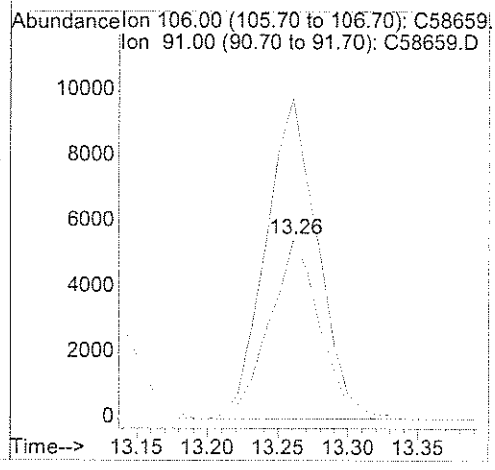


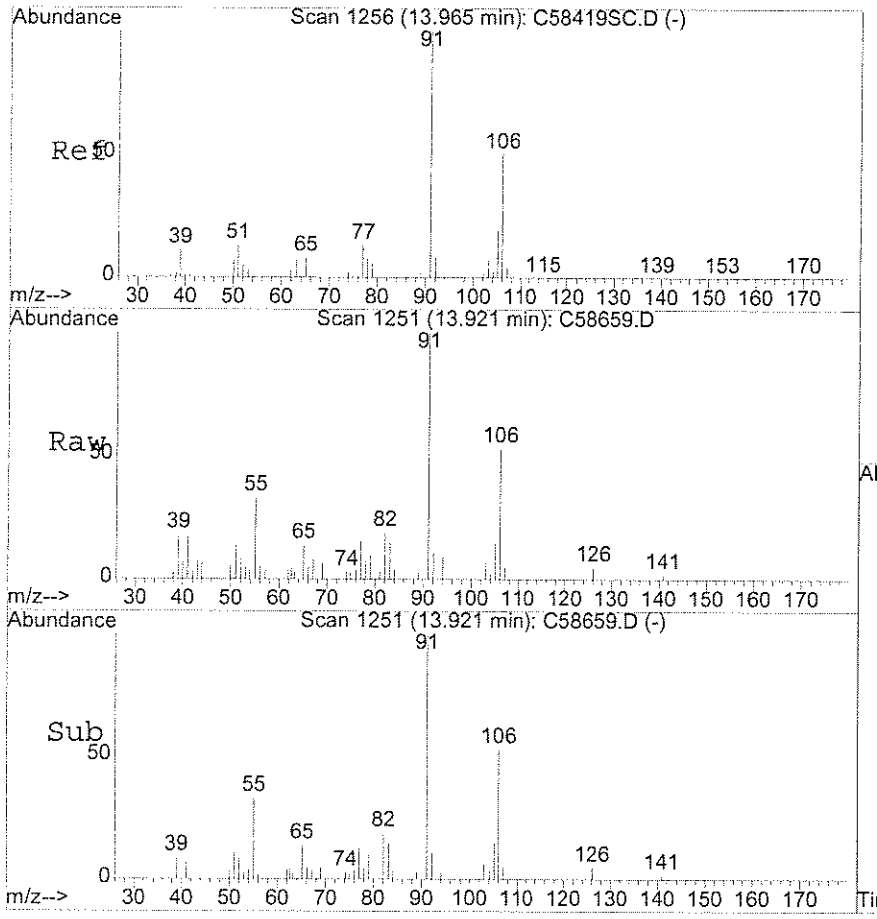
#67
m,p-Xylene
Concen: 1.28 ug/L
RT: 13.26 min Scan# 1184
Delta R.T. -0.04 min
Lab File: C58659.D
Acq: 28 Apr 2006 4:03 pm

Tgt Ion:106 Resp: 13488

Ion	Ratio	Lower	Upper
106	100		
91	179.5	159.9	239.9



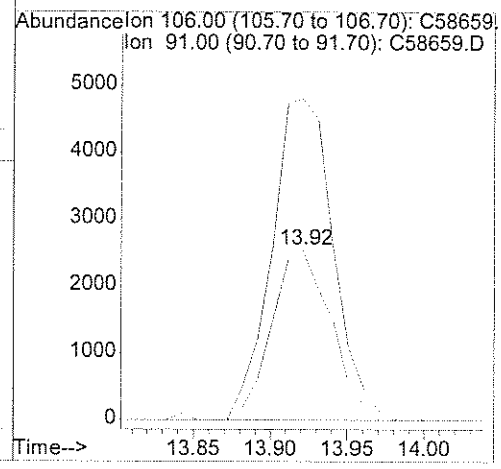
✓

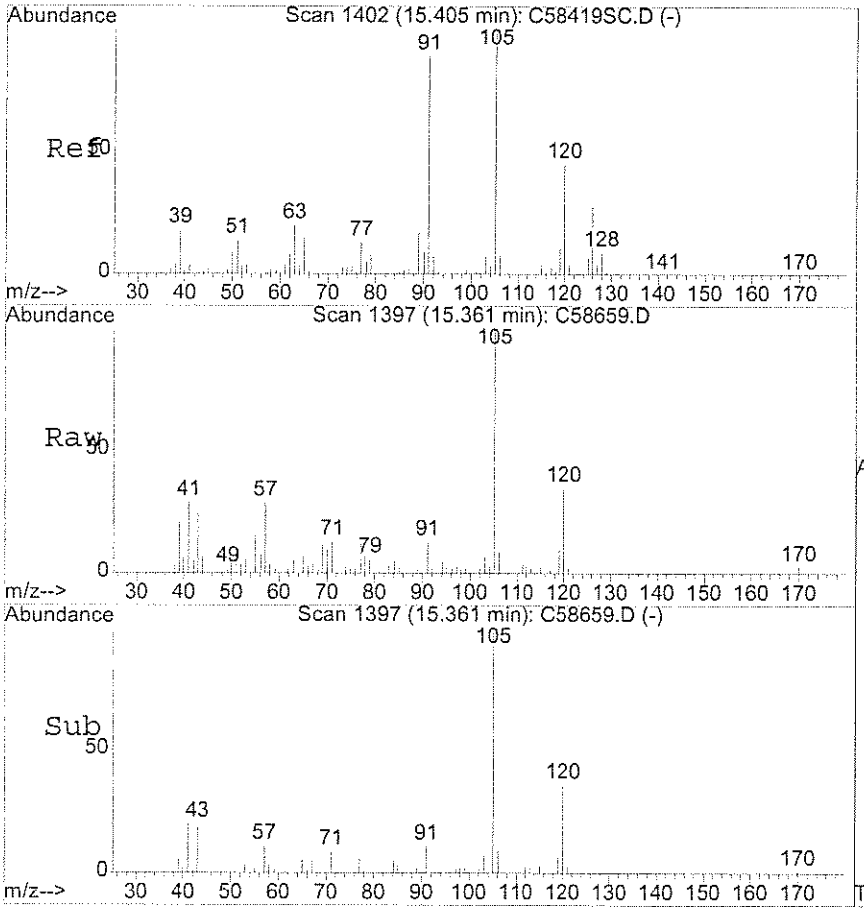


#68
o-Xylene
Concen: 0.67 ug/L
RT: 13.92 min Scan# 1251
Delta R.T. -0.04 min
Lab File: C58659.D
Acq: 28 Apr 2006 4:03 pm

Tgt Ion:106 Resp: 6783

Ion	Ratio	Lower	Upper
106	100		
91	189.4	181.6	221.6

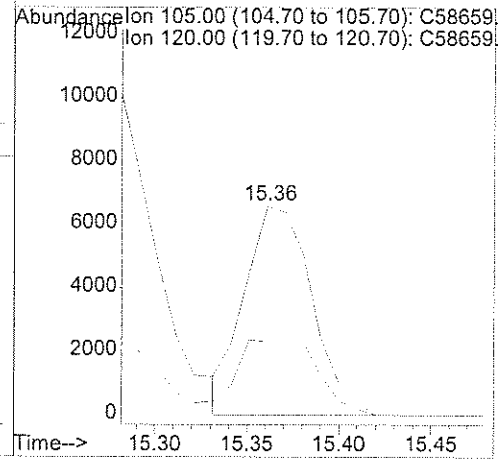


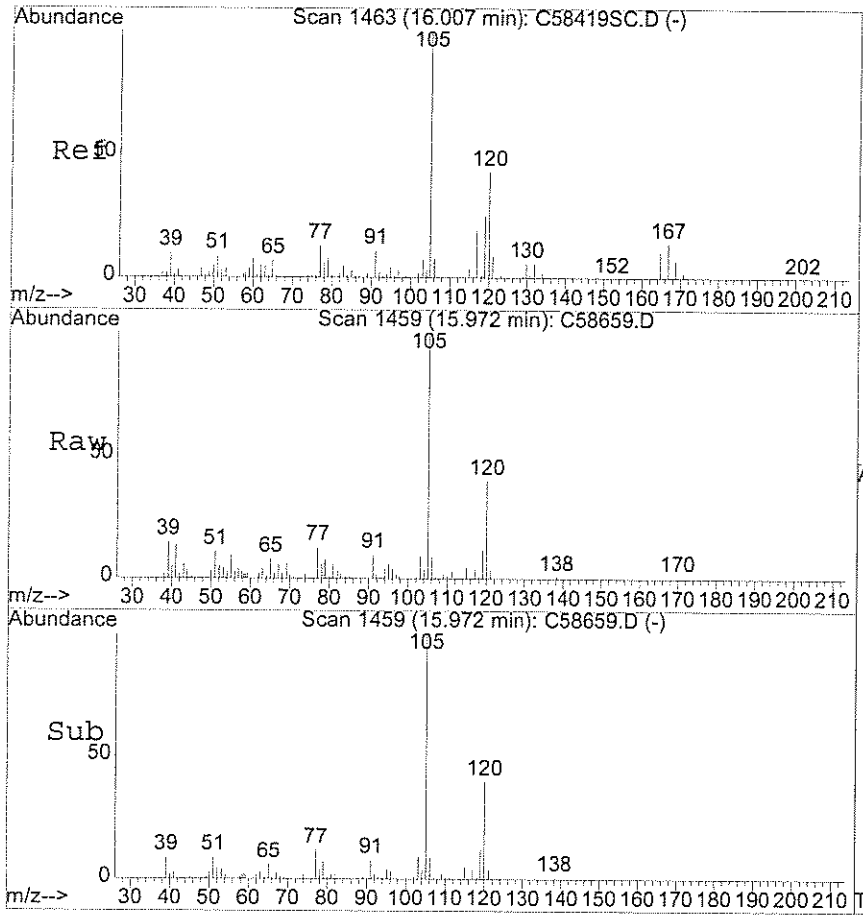


#78
1,3,5-Trimethylbenzene
Concen: 0.75 ug/L
RT: 15.36 min Scan# 1397
Delta R.T. -0.05 min
Lab File: C58659.D
Acq: 28 Apr 2006 4:03 pm

Tgt Ion:105 Resp: 16797

Ion	Ratio	Lower	Upper
105	100		
120	35.1	25.2	65.2

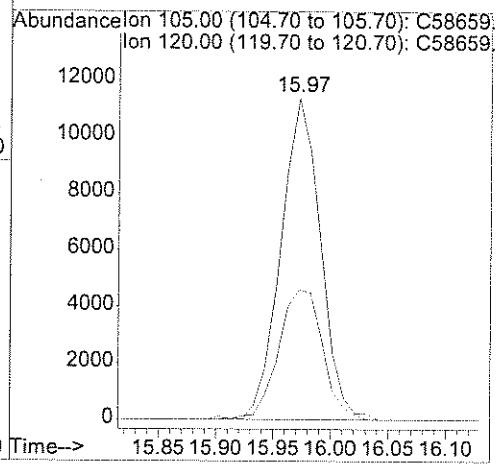


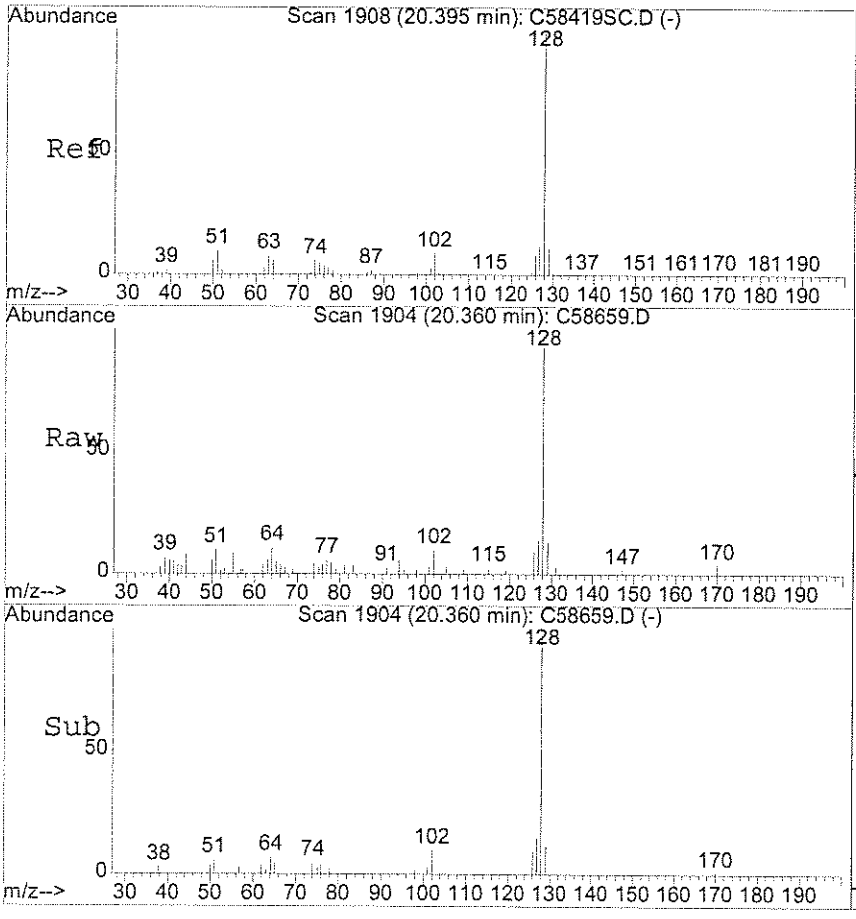


#82
1,2,4-Trimethylbenzene
Concen: 1.21 ug/L
RT: 15.97 min Scan# 1459
Delta R.T. -0.04 min
Lab File: C58659.D
Acq: 28 Apr 2006 4:03 pm

Tgt Ion:105 Resp: 27442

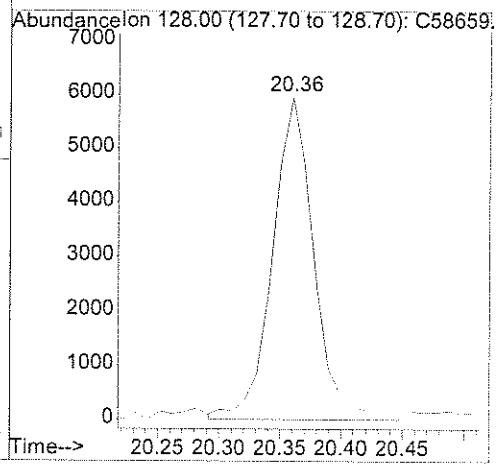
Ion	Ratio	Lower	Upper
105	100		
120	40.4	23.0	63.0





#96
Naphthalene
Concen: 0.68 ug/L
RT: 20.36 min Scan# 1904
Delta R.T. -0.04 min
Lab File: C58659.D
Acq: 28 Apr 2006 4:03 pm

Tgt Ion:128 Resp: 13867



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Langhorne PA 19047-1748

May 3, 2006

CLIENT SAMPLE ID

Project Name: Groton Subbase-Site 7

Project Number:

Field Sample ID: NSB-NLON-Site7-EXS-SWN-CS-SL-10A

SAMPLE DATA

Lab Sample ID: 56384-3 DL
Matrix: Solid
Percent Solid: 90
Dilution Factor: 95
Collection Date: 04/27/06
Lab Receipt Date: 04/28/06
Analysis Date: 05/01/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	30	U	1,3-Dichloropropane	95	U
Bromobenzene	95	U	cis-1,3-Dichloropropene	95	U
Bromochloromethane	95	U	trans-1,3-Dichloropropene	95	U
Bromodichloromethane	71	U	2,2-Dichloropropane	95	U
Bromoform	71	U	1,1-Dichloropropene	95	U
Bromomethane	95	U	Ethylbenzene	95	U
n-butylbenzene	95	U	Hexachlorobutadiene	95	U
sec-butylbenzene	95	U	Isopropylbenzene	95	U
tert-butylbenzene	95	U	p-isopropyltoluene	95	U
Carbon Tetrachloride	95	U	Methylene Chloride	473	U
Chlorobenzene	95	U	Methyl-tert-butyl ether (MTBE)	95	U
Chloroethane	95	U	Naphthalene	95	**67 J**
Chloroform	71	U	n-Propylbenzene	95	U
Chloromethane	95	U	Styrene	95	U
2-Chlorotoluene	95	U	1,1,1,2-Tetrachloroethane	95	U
4-Chlorotoluene	95	U	1,1,2,2-Tetrachloroethane	71	U
Dibromochloromethane	71	U	Tetrachloroethene	95	U
1,2-Dibromo-3-chloropropane	95	U	Toluene	95	U
1,2-Dibromoethane	71	U	1,2,3-Trichlorobenzene	95	U
Dibromomethane	95	U	1,2,4-Trichlorobenzene	95	U
1,2-Dichlorobenzene	95	U	1,1,1-Trichloroethane	95	**7500**
1,3-Dichlorobenzene	95	U	1,1,2-Trichloroethane	71	U
1,4-Dichlorobenzene	95	U	Trichloroethene	95	U
Dichlorodifluoromethane	95	U	Trichlorofluoromethane	95	U
1,1-Dichloroethane	95	U	1,2,3-Trichloropropane	95	U
1,2-Dichloroethane	71	U	1,2,4-Trimethylbenzene	95	**106**
1,1-Dichloroethene	71	U	1,3,5-Trimethylbenzene	95	**58 J**
cis-1,2-Dichloroethene	95	U	Vinyl Chloride	95	U
trans-1,2-Dichloroethene	95	U	o-Xylene	95	**61 J**
1,2-Dichloropropane	71	U	m,p-Xylene	95	**117**
Acetone	946	U	Diethyl ether	95	U
Carbon Disulfide	95	U	2-Hexanone	946	U
Tetrahydrofuran	473	U	Methyl isobutyl ketone	946	U
Methyl ethyl ketone	946	U	Di-isopropyl ether (DIPE)	95	U
t-Butyl alcohol (TBA)	1890	U	Ethyl t-butyl ether (ETBE)	95	U
t-Amyl methyl ether (TAME)	95	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	89	%	d8-Toluene	90	%	Bromofluorobenzene	89 %

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

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

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

8260 full

Authorized signature

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\050106C\C58696.D
Acq On : 1 May 2006 12:53 pm
Sample : 56384-3,DL
Misc : 50,5.85,SOIL
MS Integration Params: rteint.p
Quant Time: May 1 12:54 2006

Vial: 3
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 5/1/06

DF = (5000)(5) / (50mL)(5.85g)(.9036) = 94.6

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.95	168	244959	20.00	ug/L	-0.07
39) 1,4-Difluorobenzene	8.43	114	379451	20.00	ug/L	-0.06
63) *d5-Chlorobenzene	12.97	117	340698 ✓	20.00	ug/L	-0.05
87) 1,4-Dichlorobenzene-d4	16.69	152	173886	20.00	ug/L	-0.05
System Monitoring Compounds						
28) DB Holder #28	7.81	65	115196	11.83	ug/L	-0.06
Spiked Amount 20.000	Range 70 - 130		Recovery =	59.15%#		89
36) d4-1,2-Dichloroethane	7.81	65	115196	11.83	ug/L	-0.06
Spiked Amount 20.000	Range 70 - 130		Recovery =	59.15%#		89
54) d8-Toluene	10.69	98	254209	11.97	ug/L	-0.05
Spiked Amount 20.000	Range 70 - 130		Recovery =	59.85%#		90
73) Bromofluorobenzene	14.84	95	102453	11.84	ug/L	-0.05
Spiked Amount 20.000	Range 70 - 130		Recovery =	59.20%#		89
Target Compounds						Qvalue
(32) 1,1,1-Trichloroethane	7.33	97	831640 ✓	79.30	ug/L	98
~~43~~ Methyl acetate	4.18	43	5585	~~0.97~~	ug/L #	94
~~X~~48) Methylcyclohexane	8.99	83	12458 ~~X~~ ✓	1.54	ug/L	90
(67) m,p-Xylene	13.25	106	12305 ✓	1.24	ug/L	93
(68) o-Xylene	13.91	106	6168)	0.64	ug/L	96
(78) 1,3,5-Trimethylbenzene	15.36	105	12959)	0.61	ug/L	88
(82) 1,2,4-Trimethylbenzene	15.96	105	23926 ✓	1.12	ug/L	99
(96) Naphthalene	20.35	128	13279)	0.71	ug/L	100

(5)

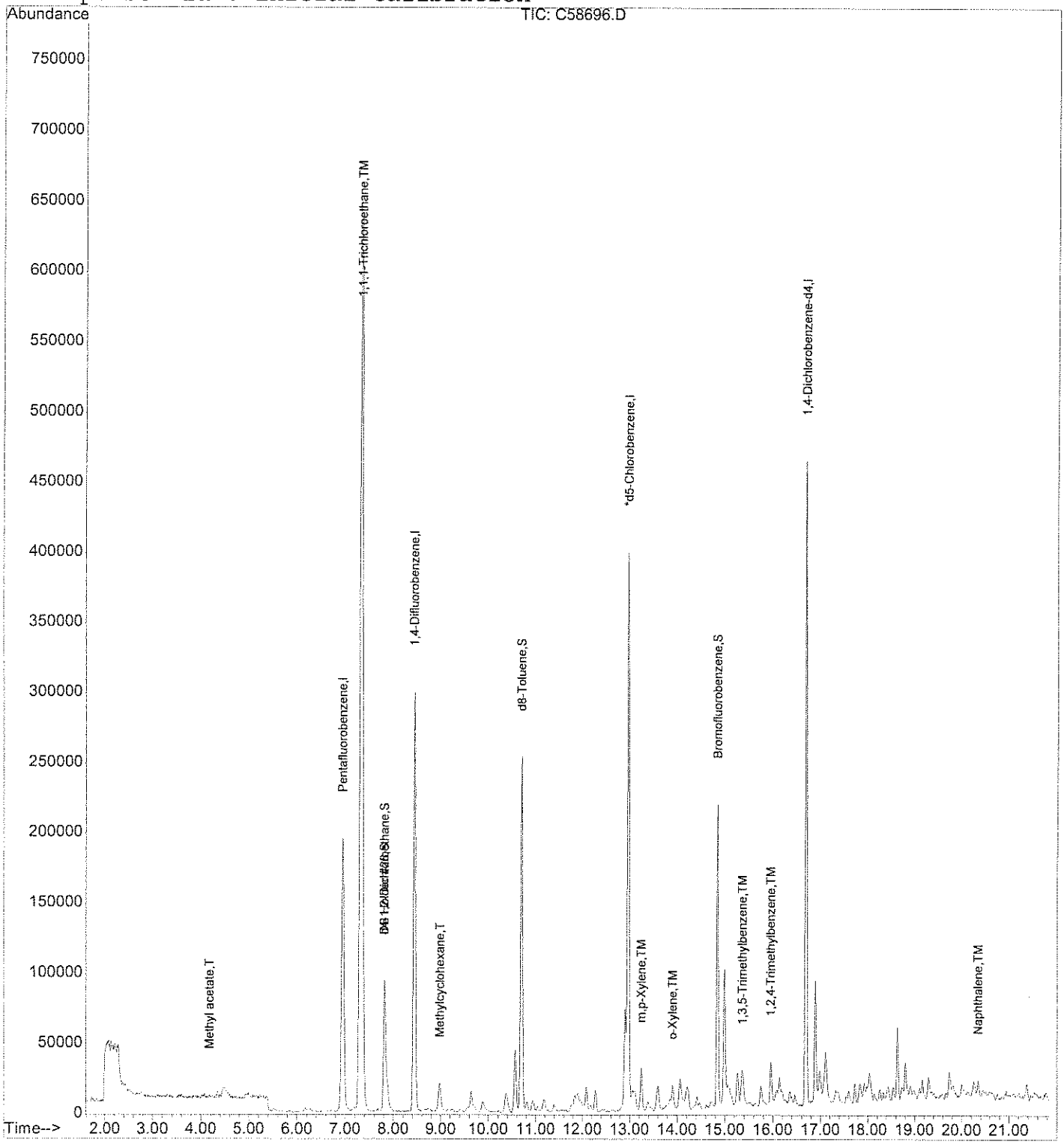
VJ 5.3.06

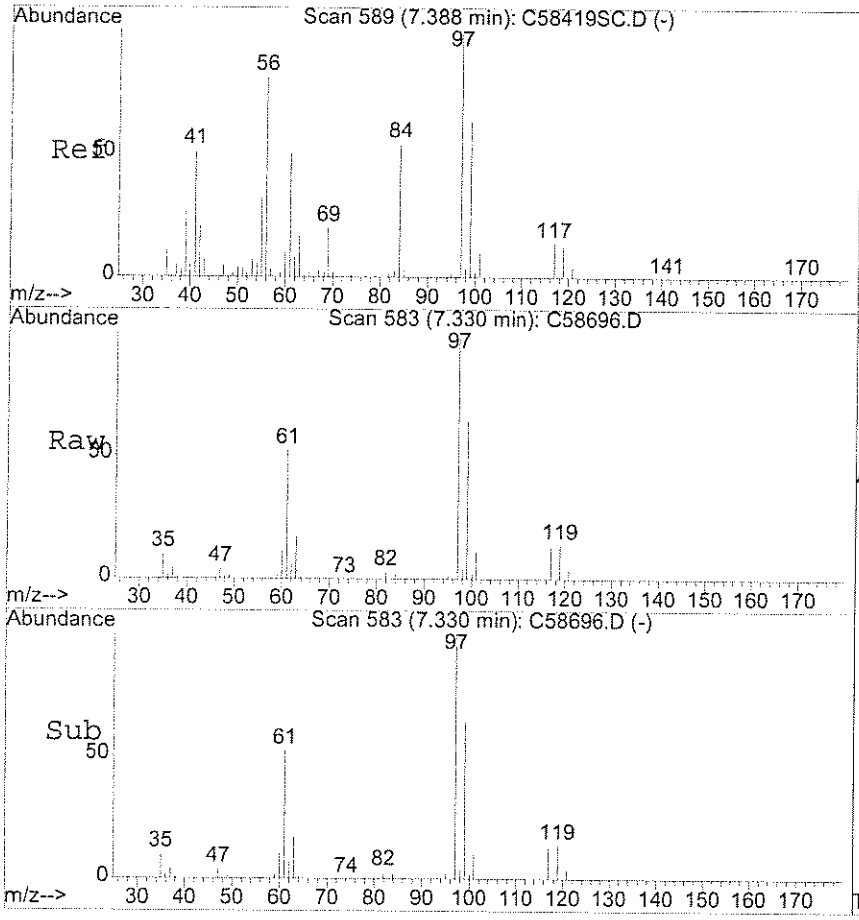
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\050106C\C58696.D Vial: 3
Acq On : 1 May 2006 12:53 pm Operator:
Sample : 56384-3,DL Inst : Instr_C
Misc : 50,5.85,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 1 12:54 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration

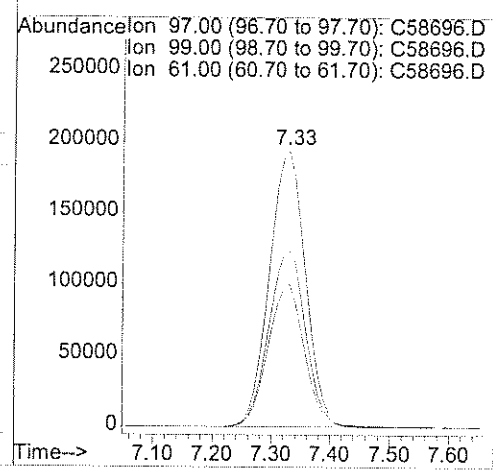


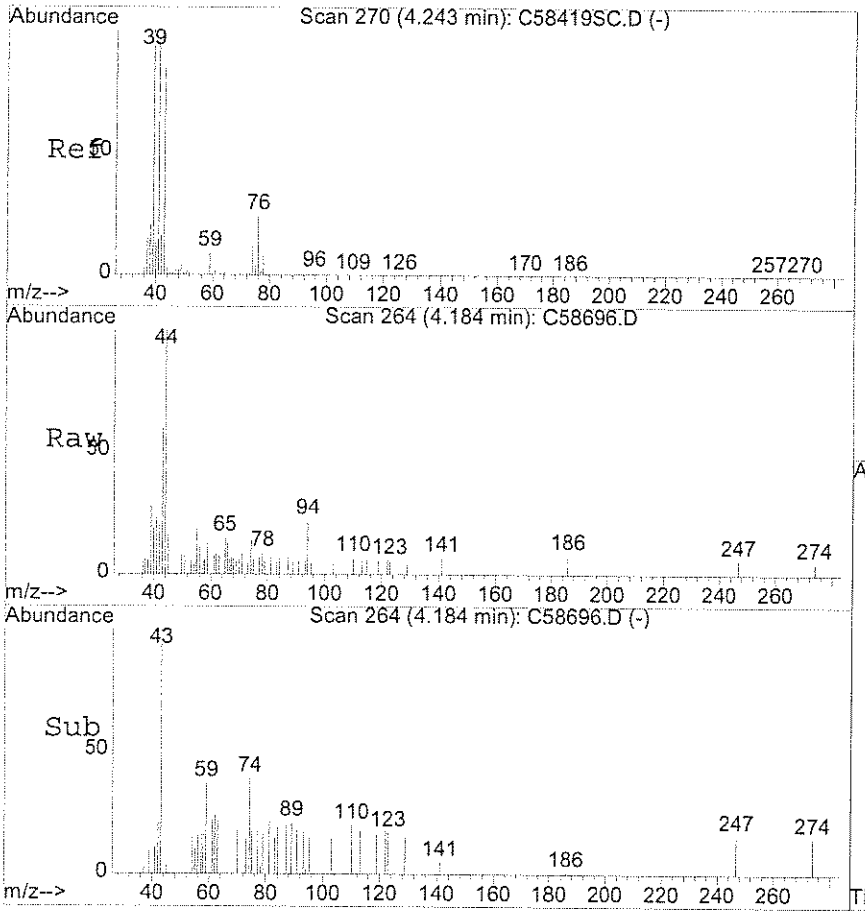


#32
1,1,1-Trichloroethane
Concen: 79.30 ug/L
RT: 7.33 min Scan# 583
Delta R.T. -0.06 min
Lab File: C58696.D
Acq: 1 May 2006 12:53 pm

Tgt Ion: 97 Resp: 831640

Ion	Ratio	Lower	Upper
97	100		
99	63.8	42.6	82.6
61	51.8	29.9	69.9

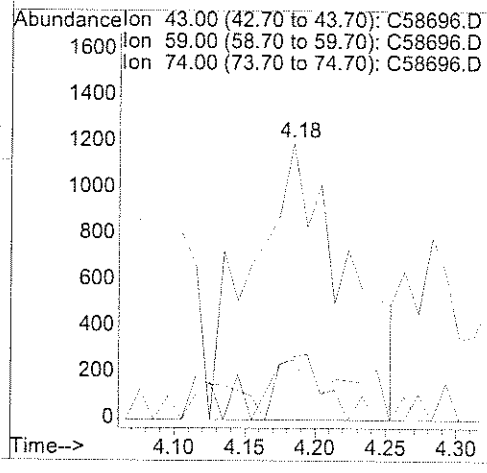


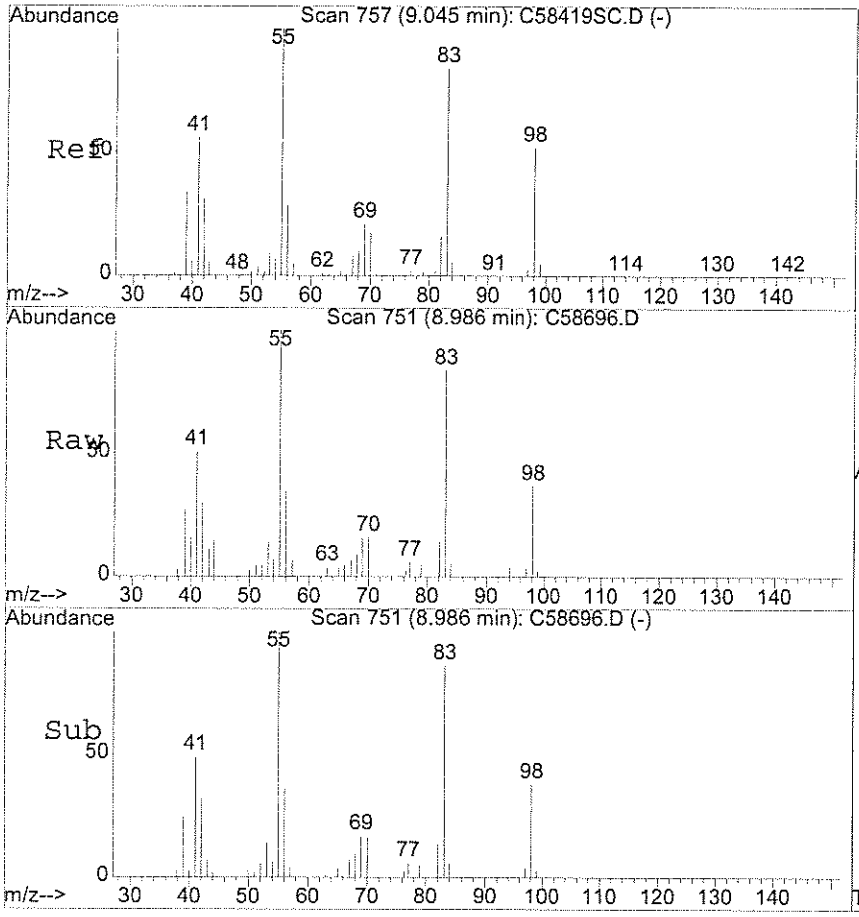


#43
Methyl acetate
Concen: 0.97 ug/L
RT: 4.18 min Scan# 264
Delta R.T. -0.06 min
Lab File: C58696.D
Acq: 1 May 2006 12:53 pm

Tgt Ion: 43 Resp: 5585

Ion	Ratio	Lower	Upper
43	100		
59	9.4	7.9	11.9
74	12.1	12.8	19.2#

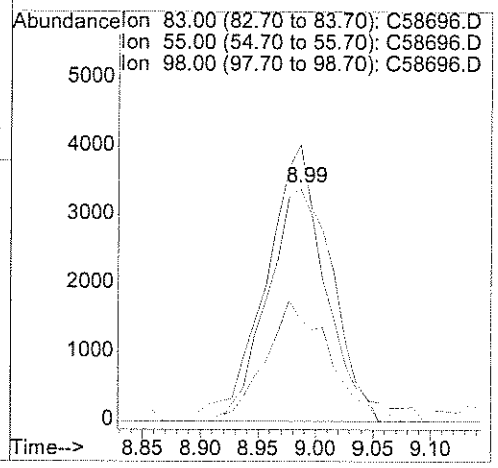


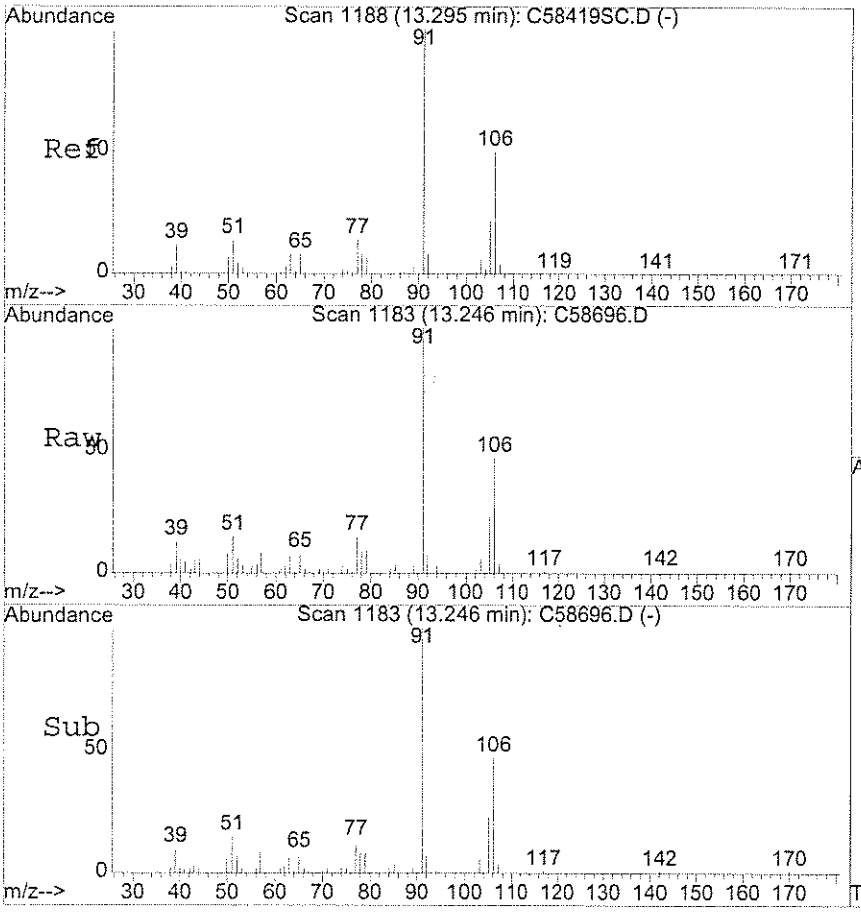


#48
Methylcyclohexane
Concen: 1.54 ug/L
RT: 8.99 min Scan# 751
Delta R.T. -0.06 min
Lab File: C58696.D
Acq: 1 May 2006 12:53 pm

Tgt Ion: 83 Resp: 12458

Ion	Ratio	Lower	Upper
83	100		
55	128.5	93.2	139.8
98	54.1	49.0	73.4

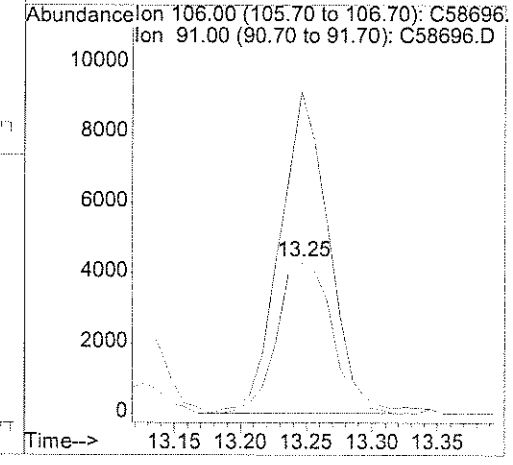


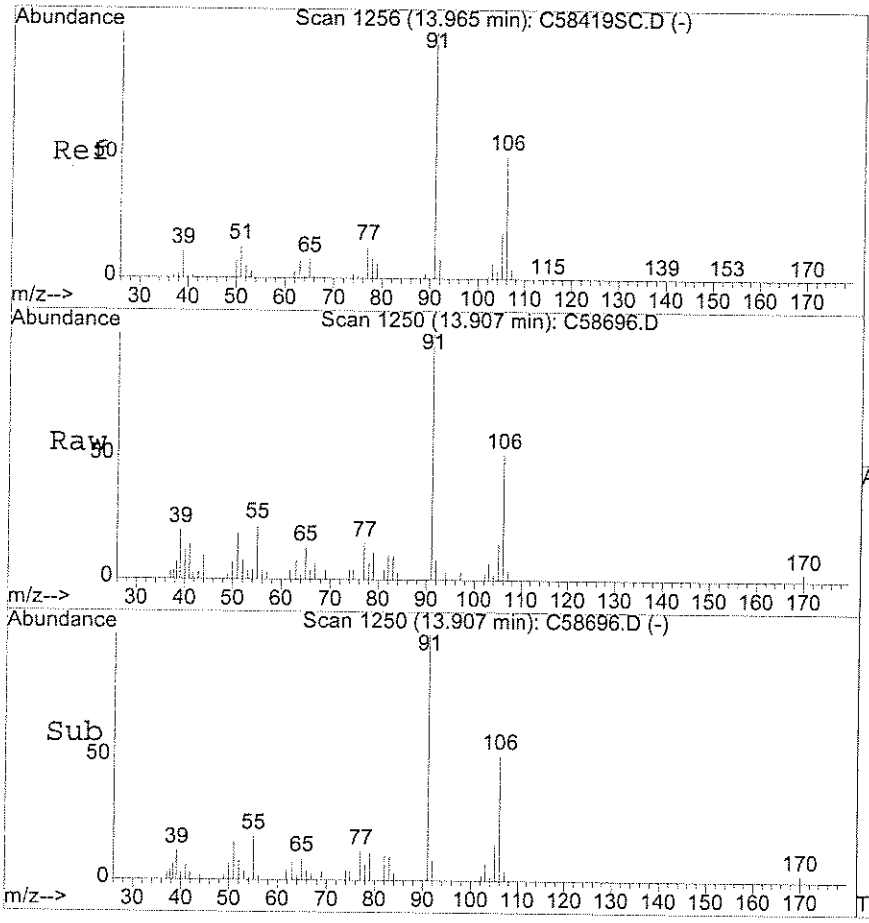


#67
m,p-Xylene
Concen: 1.24 ug/L
RT: 13.25 min Scan# 1183
Delta R.T. -0.05 min
Lab File: C58696.D
Acq: 1 May 2006 12:53 pm

Tgt Ion:106 Resp: 12305

Ion	Ratio	Lower	Upper
106	100		
91	211.0	159.9	239.9

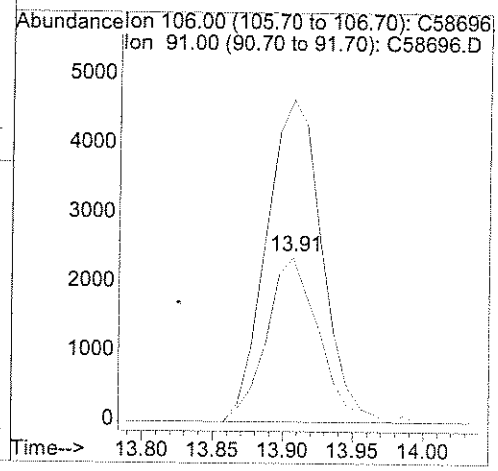


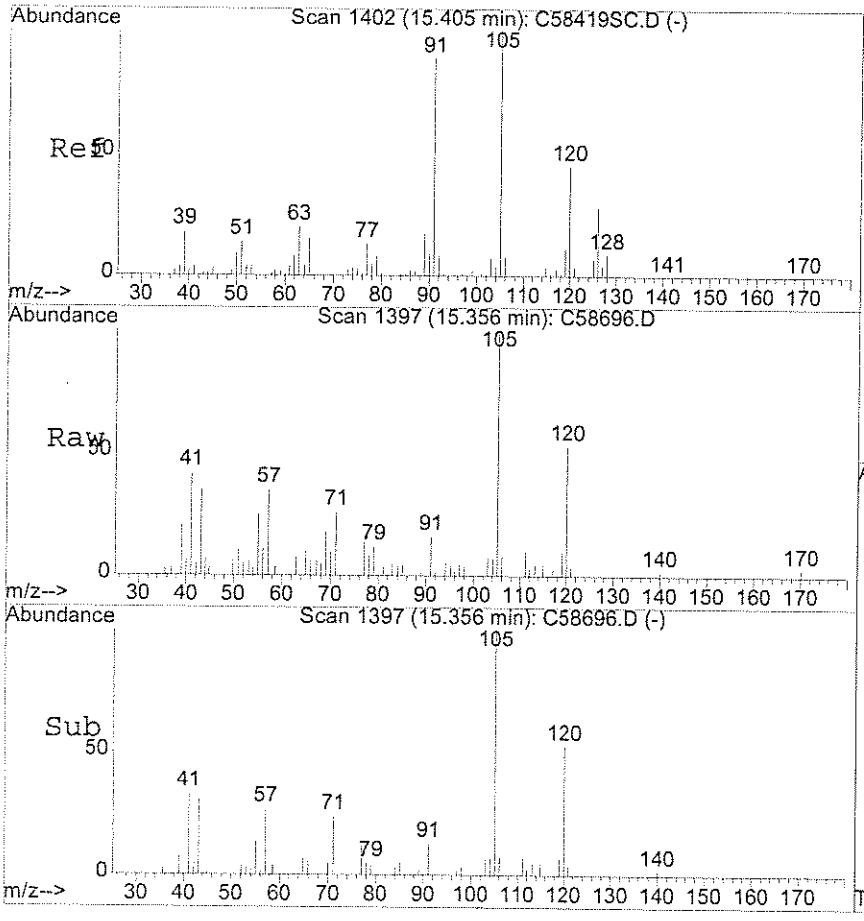


#68
o-Xylene
Concen: 0.64 ug/L
RT: 13.91 min Scan# 1250
Delta R.T. -0.05 min
Lab File: C58696.D
Acq: 1 May 2006 12:53 pm

Tgt Ion:106 Resp: 6168

Ion	Ratio	Lower	Upper
106	100		
91	195.5	181.6	221.6

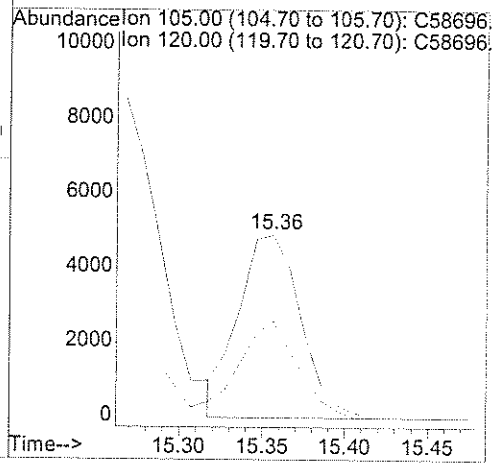


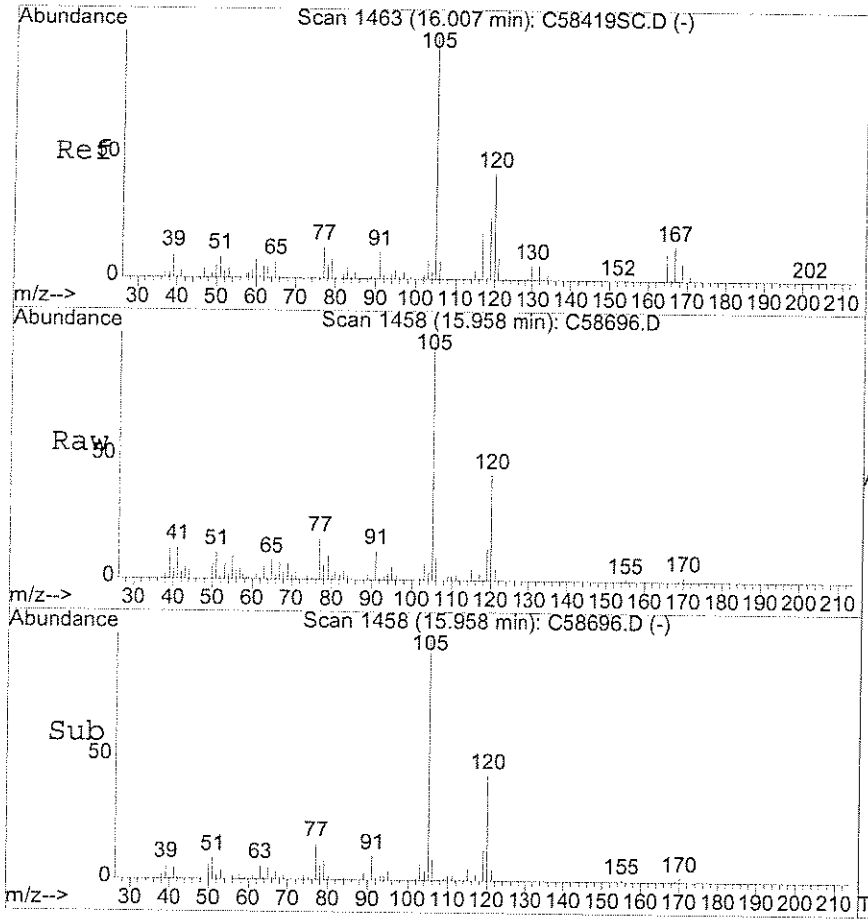


#78
1,3,5-Trimethylbenzene
Concen: 0.61 ug/L
RT: 15.36 min Scan# 1397
Delta R.T. -0.05 min
Lab File: C58696.D
Acq: 1 May 2006 12:53 pm

Tgt Ion:105 Resp: 12959

Ion	Ratio	Lower	Upper
105	100		
120	52.7	25.2	65.2

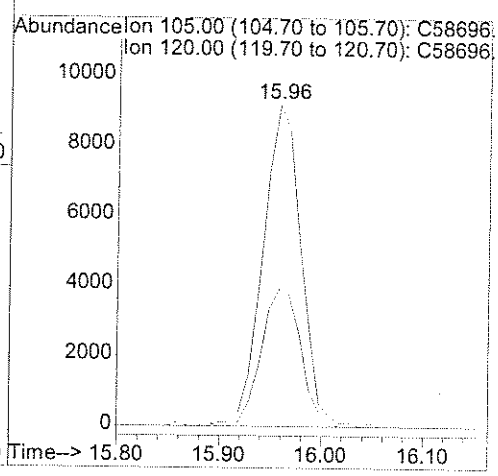


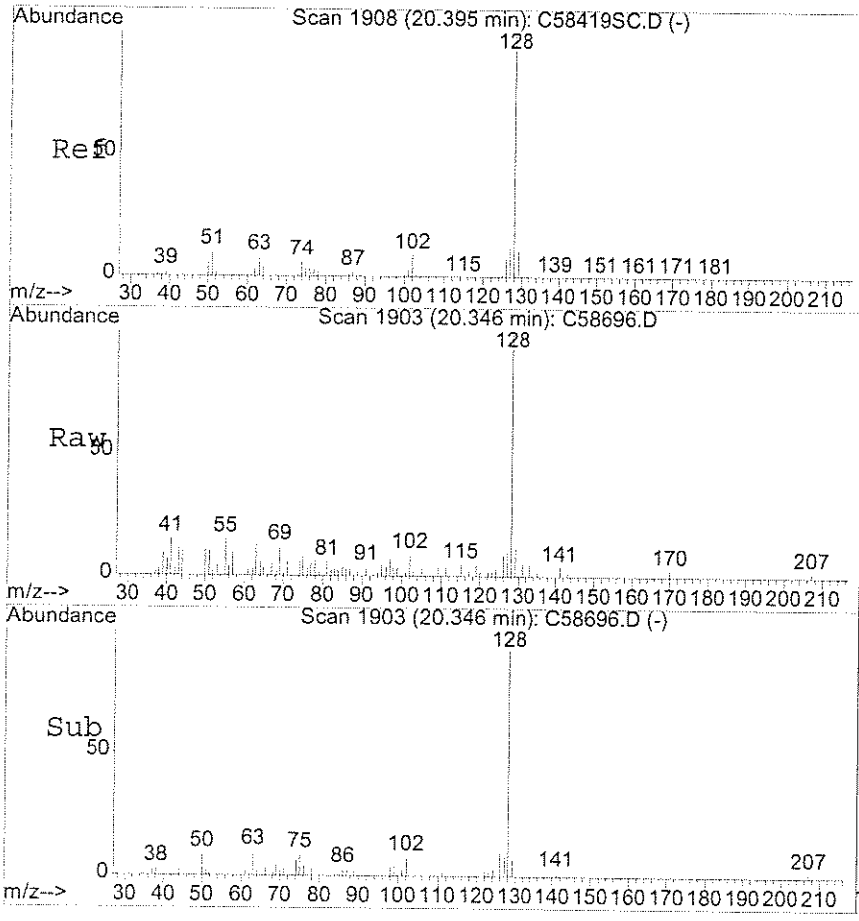


#82
1,2,4-Trimethylbenzene
Concen: 1.12 ug/L
RT: 15.96 min Scan# 1458
Delta R.T. -0.05 min
Lab File: C58696.D
Acq: 1 May 2006 12:53 pm

Tgt Ion:105 Resp: 23926

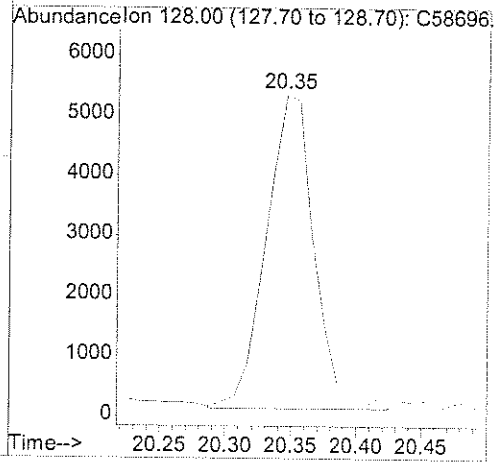
Ion	Ratio	Lower	Upper
105	100		
120	42.6	23.0	63.0





#96
Naphthalene
Concen: 0.71 ug/L
RT: 20.35 min Scan# 1903
Delta R.T. -0.05 min
Lab File: C58696.D
Acq: 1 May 2006 12:53 pm

Tgt Ion:128 Resp: 13279



analytics environmental laboratory LLC

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

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne PA 19047-1748

May 1, 2006

CLIENT SAMPLE ID

Project Name: Groton Subbase-Site 7

Project Number:

Field Sample ID: Trip Blank

SAMPLE DATA

Lab Sample ID: 56384-4
Matrix: Solid
Percent Solid: 100
Dilution Factor: 67
Collection Date: 04/27/06
Lab Receipt Date: 04/28/06
Analysis Date: 04/28/06

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	20	U	1,3-Dichloropropane	67	U
Bromobenzene	67	U	cis-1,3-Dichloropropene	67	U
Bromochloromethane	67	U	trans-1,3-Dichloropropene	67	U
Bromodichloromethane	50	U	2,2-Dichloropropane	67	U
Bromoform	50	U	1,1-Dichloropropene	67	U
Bromomethane	67	U	Ethylbenzene	67	U
n-butylbenzene	67	U	Hexachlorobutadiene	67	U
sec-butylbenzene	67	U	Isopropylbenzene	67	U
tert-butylbenzene	67	U	p-isopropyltoluene	67	U
Carbon Tetrachloride	67	U	Methylene Chloride	333	U
Chlorobenzene	67	U	Methyl-tert-butyl ether (MTBE)	67	U
Chloroethane	67	U	Naphthalene	67	U
Chloroform	50	U	n-Propylbenzene	67	U
Chloromethane	67	U	Styrene	67	U
2-Chlorotoluene	67	U	1,1,1,2-Tetrachloroethane	67	U
4-Chlorotoluene	67	U	1,1,2,2-Tetrachloroethane	50	U
Dibromochloromethane	50	U	Tetrachloroethene	67	U
1,2-Dibromo-3-chloropropane	67	U	Toluene	67	U
1,2-Dibromoethane	50	U	1,2,3-Trichlorobenzene	67	U
Dibromomethane	67	U	1,2,4-Trichlorobenzene	67	U
1,2-Dichlorobenzene	67	U	1,1,1-Trichloroethane	67	U
1,3-Dichlorobenzene	67	U	1,1,2-Trichloroethane	50	U
1,4-Dichlorobenzene	67	U	Trichloroethene	67	U
Dichlorodifluoromethane	67	U	Trichlorofluoromethane	67	U
1,1-Dichloroethane	67	U	1,2,3-Trichloropropane	67	U
1,2-Dichloroethane	50	U	1,2,4-Trimethylbenzene	67	U
1,1-Dichloroethene	50	U	1,3,5-Trimethylbenzene	67	U
cis-1,2-Dichloroethene	67	U	Vinyl Chloride	67	U
trans-1,2-Dichloroethene	67	U	o-Xylene	67	U
1,2-Dichloropropane	50	U	m,p-Xylene	67	U
Acetone	667	U	Diethyl ether	67	U
Carbon Disulfide	67	U	2-Hexanone	667	U
Tetrahydrofuran	333	U	Methyl isobutyl ketone	667	U
Methyl ethyl ketone	667	U	Di-isopropyl ether (DIPE)	67	U
t-Butyl alcohol (TBA)	1330	U	Ethyl t-butyl ether (ETBE)	67	U
t-Amyl methyl ether (TAME)	67	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	100	%	d8-Toluene	107	%	Bromofluorobenzene	108 %

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

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

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

8260 full

Authorized signature

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042806C\C58656.D
Acq On : 28 Apr 2006 2:23 pm
Sample : 56384-4
Misc : 75,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Apr 28 14:28 2006

Vial: 6
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/29/06

DF = (5000)(5) / (75.m)(5.000)(1.000) = 66.7

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.96	168	235228	20.00	ug/L	-0.05
39) 1,4-Difluorobenzene	8.44	114	381817 ✓	20.00	ug/L	-0.05
63) *d5-Chlorobenzene	12.98	117	358019 ✓	20.00	ug/L	-0.04
87) 1,4-Dichlorobenzene-d4	16.71	152	190349	20.00	ug/L	-0.03
System Monitoring Compounds						
28) DB Holder #28	7.82	65	186447	19.94	ug/L	-0.05
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.70% ✓			
36) d4-1,2-Dichloroethane	7.82	65	186447	19.94	ug/L	-0.05
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.70% ✓			
54) d8-Toluene	10.70	98	455935	21.34	ug/L	-0.04
Spiked Amount 20.000	Range 70 - 130		Recovery = 106.70% ✓			
73) Bromofluorobenzene	14.85	95	196024	21.55	ug/L	-0.04
Spiked Amount 20.000	Range 70 - 130		Recovery = 107.75% ✓			
Target Compounds						Qvalue
12) Acetone	3.52	43	5928 <5	2.90	ug/L #	83
23) Methyl ethyl ketone	6.31	72	1443 <5	2.89	ug/L	76

10

V 5-10

(#) = qualifier out of range (m) = manual integration

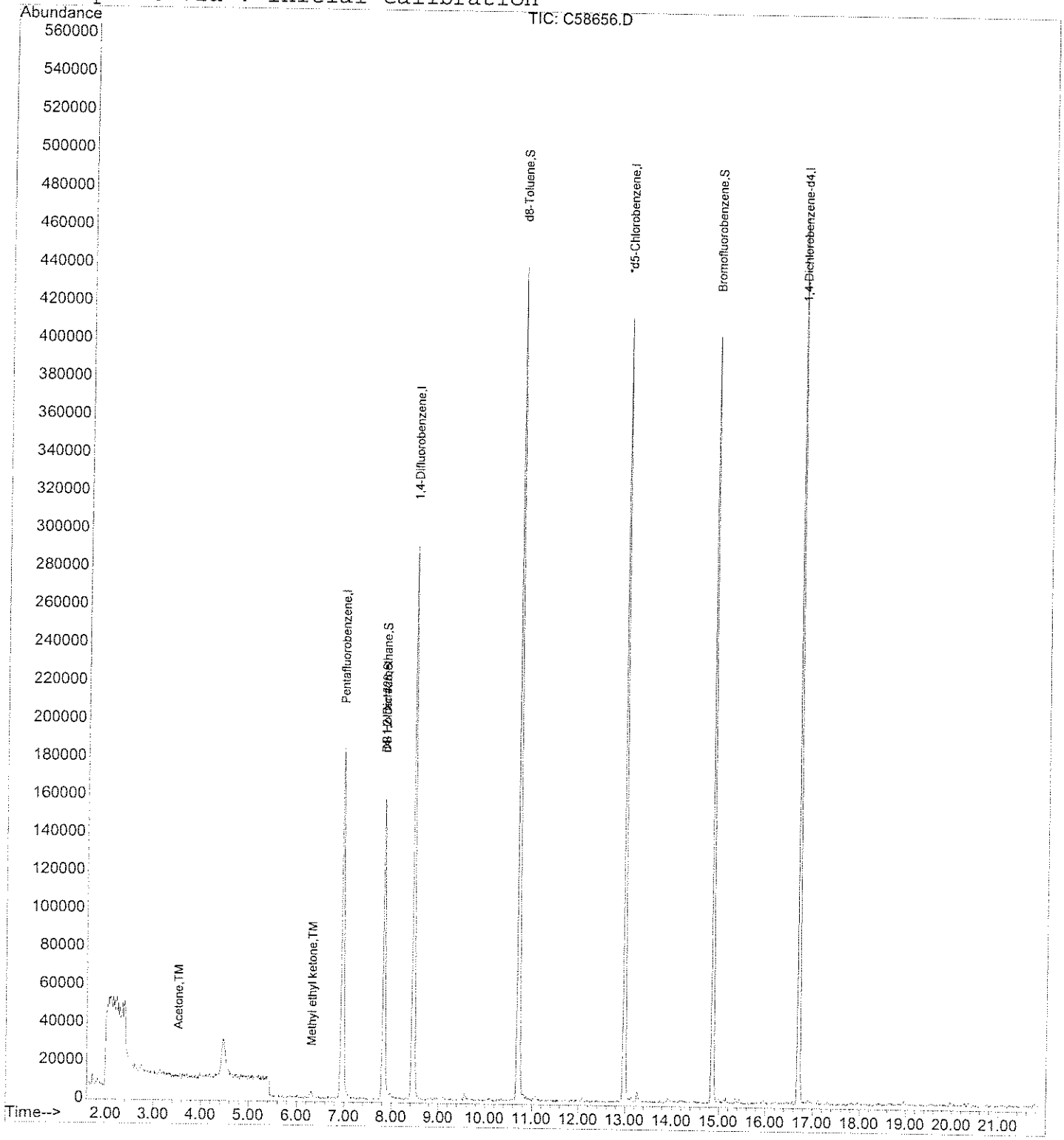
Quantitation Report

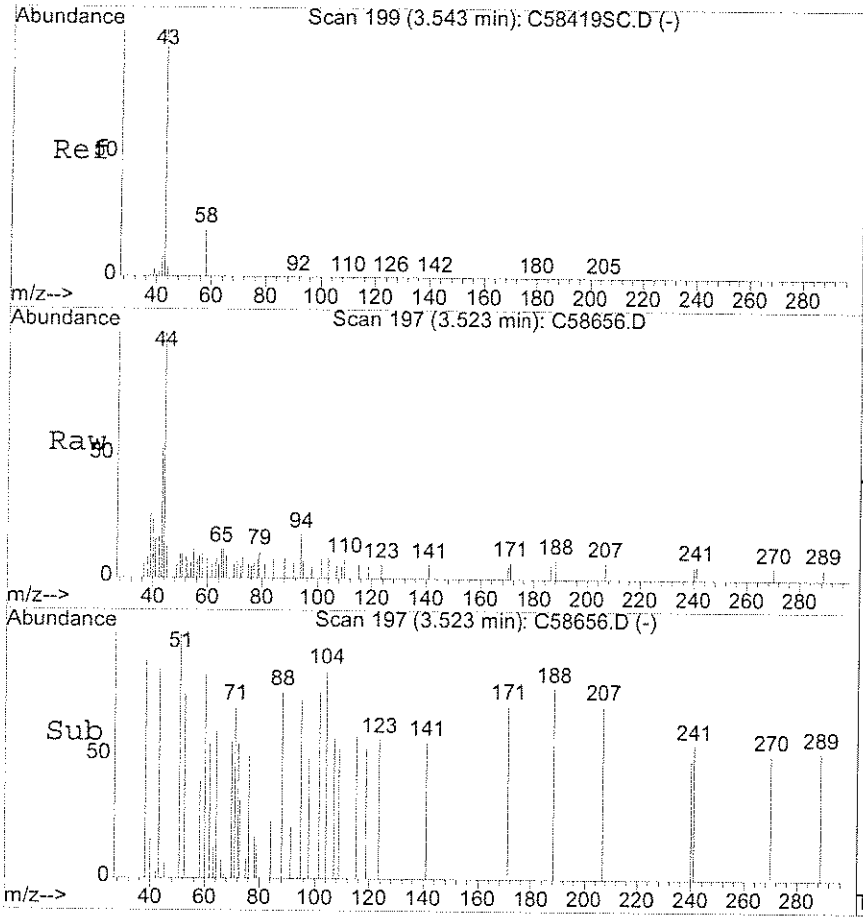
Data File : D:\HPCHEM\1\DATA\042806C\C58656.D
Acq On : 28 Apr 2006 2:23 pm
Sample : 56384-4
Misc : 75,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Apr 28 14:28 2006

Vial: 6
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration

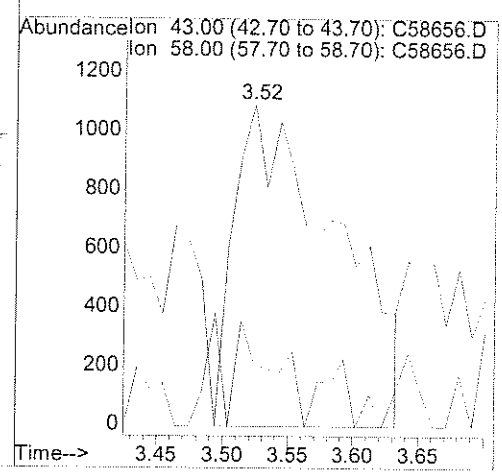


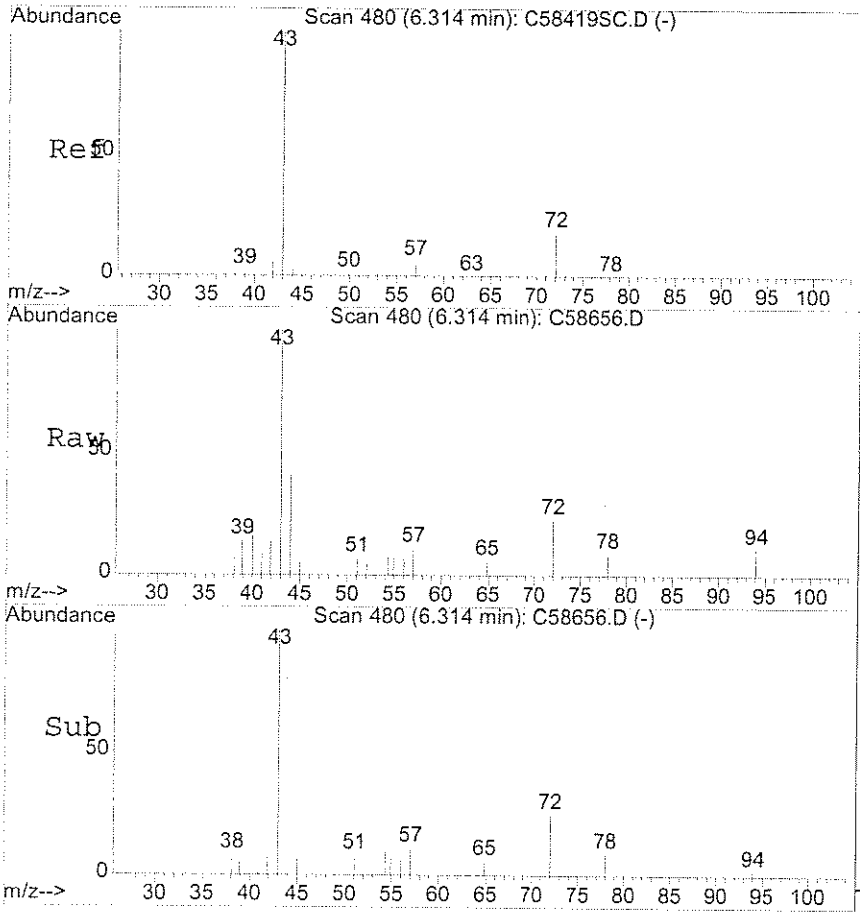


#12
Acetone
Concen: 2.90 ug/L
RT: 3.52 min Scan# 197
Delta R.T. -0.01 min
Lab File: C58656.D
Acq: 28 Apr 2006 2:23 pm

Tgt Ion: 43 Resp: 5928

Ion	Ratio	Lower	Upper
43	100		
58	12.1	15.7	23.5#

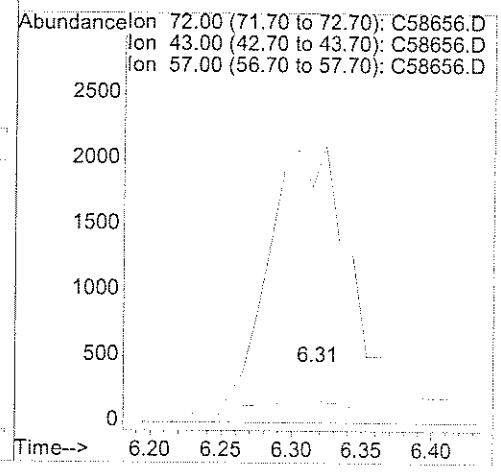




#23
Methyl ethyl ketone
Concen: 2.89 ug/L
RT: 6.31 min Scan# 480
Delta R.T. -0.00 min
Lab File: C58656.D
Acq: 28 Apr 2006 2:23 pm

Tgt Ion: 72 Resp: 1443

Ion	Ratio	Lower	Upper
72	100		
43	634.0	445.2	667.8
57	41.6	33.4	50.0



analytics environmental laboratory LLC

VOLATILE
QC FORMS

analytics environmental laboratory LLC

VOLATILE ORGANIC SOLID
SYSTEM MONITORING COMPOUNDS
SUMMARY

Project #:

Quote #:

SDG#: 56384

BFB File ID: C58352T.D

Site ID: Subbase Groton S

Location: CT

Instrument ID: C

BFB Injection Date: 4/17/06

GC Column: RTX-502.2

ID: 0.25(mm)

BFB Injection Time: 1130

Heated Purge: (Y/N) N

	SAMPLE ID	SMC 1 #	SMC 2 #	SMC 3 #	OUT
01	0.2 PPB	NA	NA	NA	0
02	1 PPB	NA	NA	NA	0
03	ZZZZZ	NA	NA	NA	0
04	5 PPB	NA	NA	NA	0
05	20 PPB	86	94	87	0
06	50 PPB	NA	NA	NA	0
07	100 PPB	NA	NA	NA	0
08	ZZZZZ	NA	NA	NA	0
09	2 PPB	NA	NA	NA	0
10	ZZZZZ	90	96	99	0
11	ZZZZZ	93	96	97	0
12	ZZZZZ	94	98	95	0
13	ZZZZZ	92	95	95	0
14	ZZZZZ	94	99	97	0
15	ZZZZZ	91	98	97	0
16	ZZZZZ	92	99	94	0
17	ZZZZZ	93	95	97	0
18	ZZZZZ	93	99	96	0
19	ZZZZZ	93	98	95	0
20	ZZZZZ	97	96	94	0
21	ZZZZZ	92	93	94	0
22					
23					
24					
25					
25					
26					

	QC LIMITS
SMC1 = 1,2-Dichloroethane-d4	70-130%
SMC2 = Toluene-d8	70-130%
SMC3 = Bromofluorober	70-130%

\# Column to be used to flag recovery values

* Values outside of protocol required QC limits

D System Monitoring Compound diluted out

analytics environmental laboratory LLC

VOLATILE ORGANIC SOLID
SYSTEM MONITORING COMPOUNDS
SUMMARY

Project #:		Quote #:		SDG#:	56384
BFB File ID:	C58562T.D	Site ID:	Subbase New London Site 7	Location:	CT
Instrument ID:	C			BFB Injection Date:	4/26/06
GC Column:	RTX-502.2	0.25(mm)		BFB Injection Time:	0940
				Heated Purge: (Y/N)	N

	SAMPLE ID	SMC 1 #	SMC 1 #	SMC 1 #	OUT
01	20 PPB	92	95	93	0
02	LS04266C	86	93	93	0
03	LS04266C2	89	94	97	0
04	ZZZZZ	92	95	96	0
05	MB04266C	102	109	113	0
06	ZZZZZ	94	102	100	0
07	ZZZZZ	70	75	74	0
08	ZZZZZ	88	93	95	0
09	ZZZZZ	84	89	90	0
10	ZZZZZ	77	83	82	0
11	ZZZZZ	85	90	93	0
12	ZZZZZ	84	86	86	0
13	ZZZZZ	80	85	85	0
14	ZZZZZ	90	95	95	0
15	ZZZZZ	80	70	80	0
16	ZZZZZ	70	70	75	0
17	ZZZZZ	75	85	80	0
18	ZZZZZ	90	80	90	0
19					
20					
21					
22					
23					
24					
25					
25					
26					

	QC LIMIT
SMC1 = 1,2-Dichloroethane-d4	70-130%
SMC2 = Toluene-d8	70-130%
SMC3 = Bromofluorobenzene	70-130%

\# Column to be used to flag recovery values

* Values outside of protocol required QC limits

D System Monitoring Compound diluted out

analytics environmental laboratory LLC

VOLATILE ORGANIC SOLID
SYSTEM MONITORING COMPOUNDS
SUMMARY

Project #:

Quote #:

SDG#: 56384

BFB File ID: C58651T.D

Site ID: Subbase New London Site 7

Location: CT

Instrument ID: C

BFB Injection Date: 4/28/06

GC Column: RTX-502.2 0.25(mm)

BFB Injection Time: 1153

Heated Purge: (Y/N) N

	SAMPLE ID	SMC 1 #	SMC 1 #	SMC 1 #	OUT
01	20 PPB	92	99	96	0
02	L804286C	93	100	96	0
03	ZZZZZ	91	96	94	0
04	B804286C	94	100	100	0
05	ZZZZZ	100	107	108	0
06	56384-1	86	95	92	0
07	56384-2	89	95	99	0
08	56384-3	104	108	106	2
09	56384-3,MS	87	89	89	0
10	56384-3,MSD	145 *	152 *	148 *	3
11	ZZZZZ	81	76	82	0
12	ZZZZZ	9 *	8 *	14 *	3
13	ZZZZZ	89	85	88	0
14	ZZZZZ	92	95	97	0
15	ZZZZZ	90	92	98	0
16	ZZZZZ	74	74	74	0
17	ZZZZZ	84	81	90	0
18	ZZZZZ	60 *	44 *	47 *	3
19	ZZZZZ	54 *	38 *	38 *	3
20	ZZZZZ	88	79	89	0
21	ZZZZZ	85	83	85	0
22					
23					
24					
25					
26					

	QC LIMIT
SMC1 = 1,2-Dichloroethane-d4	70-130%
SMC2 = Toluene-d8	70-130%
SMC3 = Bromofluorobenzene	70-130%

Column to be used to flag recovery values

* Values outside of protocol required QC limits

D System Monitoring Compound diluted out

analytics environmental laboratory LLC

VOLATILE ORGANIC SOLID
SYSTEM MONITORING COMPOUNDS
SUMMARY

Project #:		Quote #:		SDG#:	56384
BFB File ID:	C58689T.D	Site ID:	Subbase New London Site 7	Location:	CT
Instrument ID:	C			BFB Injection Date:	5/1/06
GC Column:	RTX-502.2	0.25(mm)		BFB Injection Time:	0928
				Heated Purge: (Y/N)	N

	SAMPLE ID	SMC 1 #	SMC 1 #	SMC 1 #	OUT
01	20 PPB	94	94	95	0
02	LS05016C	87	88	89	0
03	LS05016C2	82	87	83	0
04	ZZZZZ	89	97	98	0
05	MB05016C	84	87	90	0
06	ZZZZZ	84	88	90	0
07	56384-3.DL	89	90	89	0
08	ZZZZZ	63 *	52 *	92	2
09	ZZZZZ	81	83	86	0
10	ZZZZZ	74	77	82	0
11	ZZZZZ	82	83	81	0
12	ZZZZZ	77	80	80	0
13	ZZZZZ	82	86	85	0
14	ZZZZZ	76	79	84	0
15	ZZZZZ	80	70	80	0
16	ZZZZZ	83	87	88	0
17	ZZZZZ	82	85	86	0
18	ZZZZZ	90	80	90	0
19					
20					
21					
22					
23					
24					
25					
25					
26					

	QC LIMIT
SMC1 = 1,2-Dichloroethane-d4	70-130%
SMC2 = Toluene-d8	70-130%
SMC3 = Bromofluorobenzene	70-130%

\# Column to be used to flag recovery values

* Values outside of protocol required QC limits

D System Monitoring Compound diluted out

analytics environmental laboratory LLC

VOLATILE ORGANIC

LABORATORY CONTROL SAMPLE/DUPLICATE

PERCENT RECOVERY

Project #:

Quote #:

SDG#: 56384

Site ID: Subbase New London Site 7

Location: CT

Instrument ID: C

GC Column: RTX-502.2

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Laboratory Control Sample/Duplicate Sample ID: LS04266C/LS04266C2

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE AMT (ug/kg)	MS CONC. (ug/kg)	MS REC %	#	MSD CONC. (ug/kg)	MSD REC %	#	RPD	#	QC LIMITS RPD	QC LIMITS % REC.
Dichlorodifluoromethane	2000	U	1058	53		1038	52		2		25	49-82
Chloromethane	2000	U	1751	88		1718	86		2		25	75-125
Vinyl Chloride	2000	U	1385	69	*	1438	72	*	4		25	75-125
Bromomethane	2000	U	1998	100		2162	108		8		25	75-125
Chloroethane	2000	U	1564	78		1652	83		5		25	75-125
t-Butyl alcohol (TBA)	10000	U	8582	86		9725	97		12		25	60-140
Trichlorofluoromethane	2000	U	1647	82		1710	85		4		25	75-125
Diethyl ether	2000	U	1612	81		1775	89		10		25	75-125
Acetone	5000	U	4831	97		4933	99		2		25	75-125
1,1-Dichloroethene	2000	U	1957	98		1887	94		4		25	75-125
Di-isopropyl ether (DIPE)	2000	U	1921	96		1987	99		3		25	75-125
Methylene Chloride	2000	U	1984	99		1967	98		1		25	75-125
Carbon Disulfide	2000	U	1996	100		2049	102		3		25	75-125
Methyl-tert-butyl ether (MTBE)	2000	U	1881	94		2013	101		7		25	75-125
trans-1,2-Dichloroethene	2000	U	1927	96		1996	100		4		25	75-125
1,1-Dichloroethane	2000	U	1950	98		1995	100		2		25	75-125
Methyl ethyl ketone	5000	U	4721	94		5097	102		8		25	60-140
Ethyl t-butyl ether (ETBE)	2000	U	1936	97		2020	101		4		25	75-125
2,2-Dichloropropane	2000	U	1936	97		1972	99		2		25	75-125
cis-1,2-Dichloroethene	2000	U	1971	99		2079	104		5		25	75-125
t-Amyl methyl ether (TAME)	2000	U	1947	97		2017	101		4		25	75-125
Chloroform	2000	U	1979	99		2042	102		3		25	75-125
Bromochloromethane	2000	U	1914	96		1994	100		4		25	75-125
Tetrahydrofuran	2000	U	1861	93		2134	107		14		25	60-140
1,1,1-Trichloroethane	2000	U	1957	98		2002	100		2		25	75-125
1,1-Dichloropropene	2000	U	1949	97		2013	101		3		25	75-125
Carbon Tetrachloride	2000	U	1891	95		1951	98		3		25	75-125
1,2-Dichloroethane	2000	U	1905	95		1987	99		4		25	75-125
Benzene	2000	U	1922	96		1967	98		2		25	75-125
Trichloroethene	2000	U	1960	98		1995	100		2		25	75-125
1,2-Dichloropropane	2000	U	1922	96		2013	101		5		25	75-125
Bromodichloromethane	2000	U	1932	97		2024	101		5		25	75-125
Dibromomethane	2000	U	1876	94		2008	100		7		25	75-125
2-Hexanone	5000	U	4811	96		5209	104		8		25	75-125
Methyl isobutyl ketone	5000	U	4541	91		5237	105		14		25	75-125
cis-1,3-Dichloropropene	2000	U	1904	95		1953	98		3		25	75-125
Toluene	2000	U	1965	98		2045	102		4		25	75-125
trans-1,3-Dichloropropene	2000	U	1895	95		2020	101		6		25	75-125
1,1,2-Trichloroethane	2000	U	1894	95		2045	102		8		25	75-125
1,3-Dichloropropane	2000	U	1899	95		2045	102		7		25	75-125
Tetrachloroethene	2000	U	1932	97		2013	101		4		25	75-125
Dibromochloromethane	2000	U	1947	97		2043	102		5		25	75-125
1,2-Dibromoethane	2000	U	1940	97		2064	103		6		25	75-125
Chlorobenzene	2000	U	1978	99		2046	102		3		25	75-125
1,1,1,2-Tetrachloroethane	2000	U	1953	98		2030	101		4		25	75-125
Ethylbenzene	2000	U	1988	99		2075	104		4		25	75-125
m,p-Xylene	4000	U	4065	102		4159	104		2		25	75-125

analytics environmental laboratory LLC

VOLATILE ORGANIC

LABORATORY CONTROL SAMPLE/DUPLICATE

PERCENT RECOVERY

Project #:

Quote #:

SDG#: 56384

Site ID: Subbase New London Site 7

Location: CT

Instrument ID: C

GC Column: RTX-502.2

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Laboratory Control Sample/Duplicate Sample ID: LS04266C/LS04266C2

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE AMT (ug/kg)	MS CONC. (ug/kg)	MS REC %	#	MSD CONC. (ug/kg)	MSD REC %	#	RPD	#	QC LIMITS RPD	QC LIMITS % REC
o-Xylene	2000	U	2021	101		2055	103		2		25	75-125
Styrene	2000	U	2029	101		2091	105		3		25	75-125
Bromoform	2000	U	1975	99		2083	104		5		25	75-125
Isopropylbenzene	2000	U	2017	101		2051	103		2		25	75-125
1,1,2,2-Tetrachloroethane	2000	U	1823	91		2001	100		9		25	75-125
1,2,3-Trichloropropane	2000	U	1769	88		1992	100		12		25	75-125
n-Propylbenzene	2000	U	2096	105		2208	110		5		25	75-125
Bromobenzene	2000	U	1997	100		2132	107		7		25	75-125
1,3,5-Trimethylbenzene	2000	U	2009	100		2114	106		5		25	75-125
2-Chlorotoluene	2000	U	1997	100		2083	104		4		25	75-125
4-Chlorotoluene	2000	U	2027	101		2058	103		2		25	75-125
tert-butylbenzene	2000	U	2041	102		1988	99		3		25	75-125
1,2,4-Trimethylbenzene	2000	U	2031	102		2099	105		3		25	75-125
sec-butylbenzene	2000	U	2040	102		2123	106		4		25	75-125
p-isopropyltoluene	2000	U	2008	100		2055	103		2		25	75-125
1,3-Dichlorobenzene	2000	U	1971	99		2144	107		8		25	75-125
1,4-Dichlorobenzene	2000	U	2023	101		2079	104		3		25	75-125
n-butylbenzene	2000	U	2011	101		2033	102		1		25	75-125
1,2-Dichlorobenzene	2000	U	2013	101		2070	104		3		25	75-125
1,2-Dibromo-3-chloropropane	2000	U	1756	88		1962	98		11		25	75-125
1,2,4-Trichlorobenzene	2000	U	2048	102		2101	105		3		25	75-125
Hexachlorobutadiene	2000	U	2119	106		2166	108		2		25	75-125
Naphthalene	2000	U	1858	93		2077	104		11		25	75-125
1,2,3-Trichlorobenzene	2000	U	2012	101		2138	107		6		25	75-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 71 outside limits

Spike Recovery: 2 out of 142 outside limits

Comments: _____

_____

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606C\C58564Q.D
Acq On : 26 Apr 2006 10:28 am
Sample : LS04266C
Misc : 50,5.00,SOIL
Integration Params: rteint.p
Quant Time: Apr 26 10:53 2006

Vial: 1
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/27/06 4/27/06 ✓

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.99	168	232841	20.00	ug/L	-0.03
39) 1,4-Difluorobenzene	8.47	114	372593 ✓	20.00	ug/L	-0.02
63) *d5-Chlorobenzene	13.00	117	336512	20.00	ug/L	-0.02
87) 1,4-Dichlorobenzene-d4	16.73	152	169596	20.00	ug/L	-0.01
System Monitoring Compounds						
28) DB Holder #28	7.85	65	159983	17.29	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 86.45% ✓			
36) d4-1,2-Dichloroethane	7.85	65	159983	17.29	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 86.45% ✓			
54) d8-Toluene	10.73	98	385983	18.51	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 92.55% ✓			
73) Bromofluorobenzene	14.87	95	159446	18.65	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 93.25% ✓			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.69	85	83070	10.58	ug/L	98
3) Chloromethane	1.94	50	137972	17.51	ug/L	98
4) Vinyl Chloride	2.01	62	111618	13.85	ug/L	97
5) Bromomethane	2.42	94	83362	19.98	ug/L	98
6) Chloroethane	2.52	64	61784	15.64	ug/L	99
7) t-Butyl alcohol (TBA)	3.97	59	51876	85.82	ug/L	97
8) Trichlorofluoromethane	2.82	101	239740	16.47	ug/L	97
9) Diethyl ether	3.26	74	36956	16.12	ug/L	92
10) 1,1,2-Trichlorotrifluoroet	3.39	101	106851	18.80	ug/L	99
12) Acetone	3.54	43	97612	48.31	ug/L	98
13) 1,1-Dichloroethene	3.63	96	81031	19.57	ug/L	97
14) Methyl iodide	4.08	142	123509	19.20	ug/L	100
15) Di-isopropyl ether (DIPE)	5.49	45	392499	19.21	ug/L	98
16) Methylene Chloride	4.39	84	89573	19.84	ug/L	99
17) Carbon Disulfide	4.34	76	264861	19.96	ug/L	100
18) Acrylonitrile	4.65	53	35201	18.40	ug/L	96
19) Methyl-tert-butyl ether (M	4.73	73	294212	18.81	ug/L	98
20) trans-1,2-Dichloroethene	4.87	61	196164	19.27	ug/L	99
21) 1,1-Dichloroethane	5.57	63	226505	19.50	ug/L	100
23) Methyl ethyl ketone	6.30	72	23326	47.21	ug/L	99
24) Ethyl t-butyl ether (ETBE)	6.14	59	370483	19.36	ug/L	100
25) 2,2-Dichloropropane	6.44	77	172767	19.36	ug/L	95
26) cis-1,2-Dichloroethene	6.52	96	130112	19.71	ug/L	96
27) t-Amyl methyl ether (TAME)	7.85	73	260572	19.47	ug/L	98
29) Chloroform	6.77	83	216815	19.79	ug/L	95
30) Bromochloromethane	7.00	128	66981	19.14	ug/L	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606C\C58564Q.D
Acq On : 26 Apr 2006 10:28 am
Sample : LS04266C
Misc : 50,5.00,SOIL
Integration Params: rteint.p
Quant Time: Apr 26 10:53 2006

Vial: 1
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31) Tetrahydrofuran	7.12	71	9937	18.61 ug/L	89
32) 1,1,1-Trichloroethane	7.37	97	195046	19.57 ug/L	99
34) 1,1-Dichloropropene	7.62	75	154619	19.49 ug/L	94
35) Carbon Tetrachloride	7.74	119	155506	18.91 ug/L	95
37) 1,2-Dichloroethane	7.99	62	206042	19.05 ug/L	98
38) Benzene	8.00	78	363081	19.21 ug/L	98
40) Trichloroethene	8.94	95	128445	19.60 ug/L	97
41) 1,2-Dichloropropane	9.20	63	118529	19.22 ug/L	100
42) Methylmethacrylate	9.36	69	64632	16.93 ug/L	97
45) Bromodichloromethane	9.55	83	155673	19.32 ug/L	99
46) Dibromomethane	9.61	93	88368	18.76 ug/L	98
47) 1,4-Dioxane	9.63	88	24784	425.27 ug/L	92
51) 2-Hexanone	11.43	58	98823	48.11 ug/L	94
52) Methyl isobutyl ketone	10.12	58	96192	45.41 ug/L	97
53) cis-1,3-Dichloropropene	10.38	75	174664	19.04 ug/L	96
55) Toluene	10.84	92	242819	19.65 ug/L	100
56) trans-1,3-Dichloropropene	11.14	75	165463	18.95 ug/L	98
58) 1,1,2-Trichloroethane	11.36	83	76950	18.94 ug/L	93
59) 1,3-Dichloropropane	11.75	76	150834	18.99 ug/L	97
60) Tetrachloroethene	11.83	166	153513	19.32 ug/L	99
61) Dibromochloromethane	12.11	129	133331	19.47 ug/L	99
62) 1,2-Dibromoethane	12.41	107	133448	19.40 ug/L	99
64) Chlorobenzene	13.06	112	335618	19.78 ug/L	100
65) 1,1,1,2-Tetrachloroethane	13.14	131	117496	19.53 ug/L	98
66) Ethylbenzene	13.16	91	487409	19.88 ug/L	100
67) m,p-Xylene	13.28	106	399573	40.65 ug/L	99
68) o-Xylene	13.95	106	192231	20.21 ug/L	99
69) Styrene	14.00	104	339352	20.29 ug/L	98
70) Bromoform	14.48	173	103086	19.75 ug/L	98
71) Isopropylbenzene	14.51	105	509213	20.17 ug/L	98
72) 1,1,2,2-Tetrachloroethane	14.78	83	120333	18.23 ug/L	99
74) 1,2,3-Trichloropropane	14.99	75	86747	17.69 ug/L	100
75) trans-1,4-Dichloro-2-buten	15.12	89	39697	19.44 ug/L #	73
76) n-Propylbenzene	15.13	91	592287	20.95 ug/L	100
77) Bromobenzene	15.16	156	145166	19.97 ug/L	98
78) 1,3,5-Trimethylbenzene	15.39	105	418580	20.09 ug/L	98
79) 2-Chlorotoluene	15.39	91	388942	19.97 ug/L	100
80) 4-Chlorotoluene	15.47	91	362557	20.27 ug/L	100
81) tert-butylbenzene	15.93	119	375781	20.41 ug/L	100
82) 1,2,4-Trimethylbenzene	16.00	105	430369	20.31 ug/L	97
83) Diisobutylketone	15.10	57	12232	0.82 ug/L #	28

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042606C\C58564Q.D
Acq On : 26 Apr 2006 10:28 am
Sample : LS04266C
Misc : 50,5.00,SOIL
Integration Params: rteint.p
Quant Time: Apr 26 10:53 2006

Vial: 1
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
84) sec-butylbenzene	16.27	105	578684	20.40 ug/L	95
85) p-isopropyltoluene	16.49	119	457245	20.08 ug/L	98
86) 1,3-Dichlorobenzene	16.61	146	242098	19.71 ug/L	97
88) 1,4-Dichlorobenzene	16.78	146	256390	20.23 ug/L	98
89) n-butylbenzene	17.14	91	426986	20.11 ug/L	100
90) 1,2-Dichlorobenzene	17.35	146	235471	20.13 ug/L	99
92) 1,2-Dibromo-3-chloropropan	18.59	75	21937	17.56 ug/L	85
94) 1,2,4-Trichlorobenzene	19.99	180	205698	20.48 ug/L	97
95) Hexachlorobutadiene	20.25	225	108777	21.19 ug/L	95
96) Naphthalene	20.39	128	340444	18.58 ug/L	100
97) 1,2,3-Trichlorobenzene	20.80	180	183328	20.12 ug/L	97

(#) = qualifier out of range (m) = manual integration

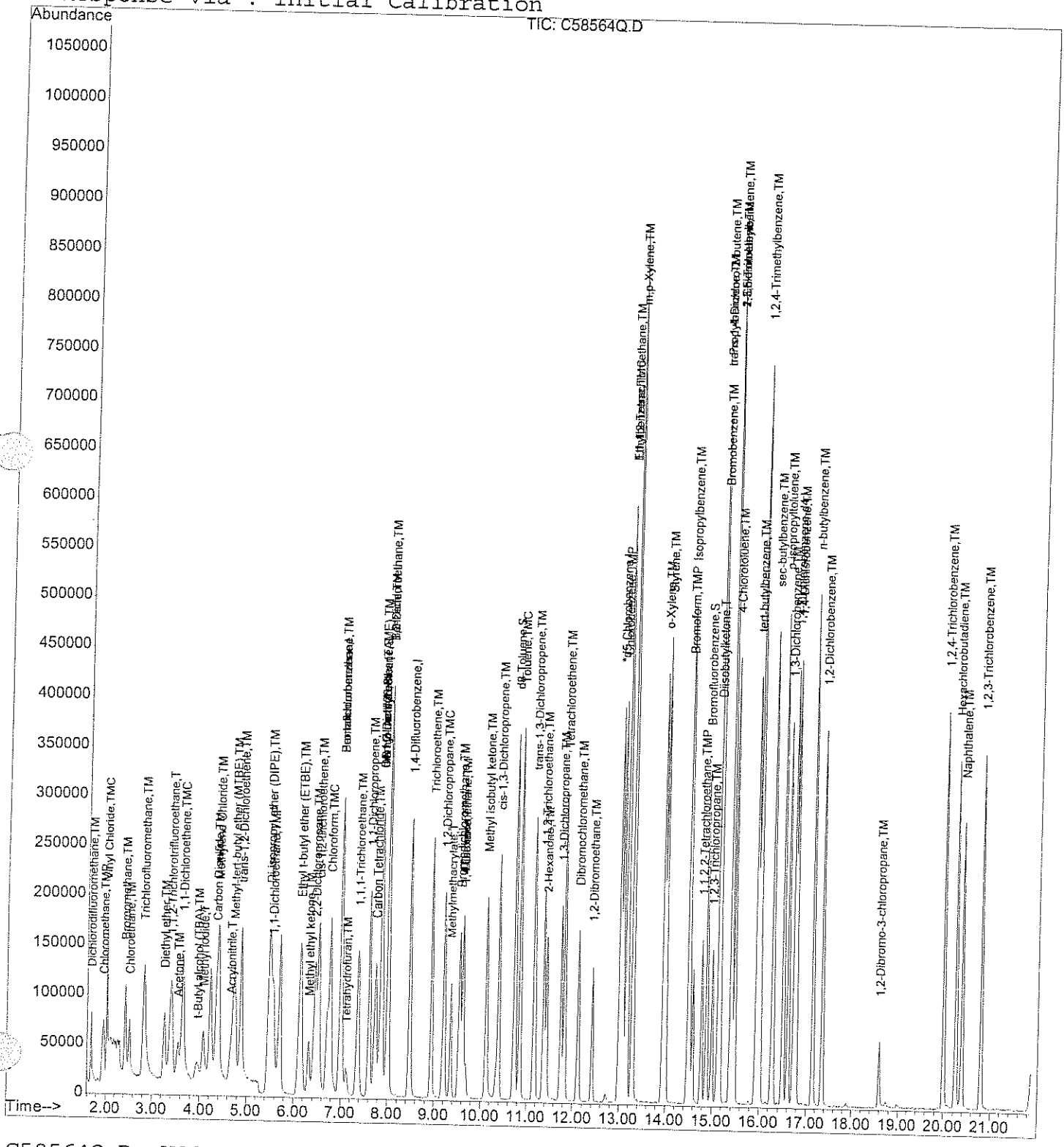
Quantitation Report

Data File : D:\HPCHEM\1\DATA\042606C\C58564Q.D
Acq On : 26 Apr 2006 10:28 am
Sample : LS04266C
Misc : 50,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Apr 26 10:53 2006

Vial: 1
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606C\C58565Q.D
Acq On : 26 Apr 2006 11:02 am
Sample : LS04266C2
Misc : 50,5.00,SOIL
Integration Params: rteint.p
Quant Time: Apr 26 11:12 2006

Vial: 2
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

4/27/06 SL ✓ MT 4/27/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.99	168	231590	20.00	ug/L	-0.03
39) 1,4-Difluorobenzene	8.47	114	371136	20.00	ug/L	-0.03
63) *d5-Chlorobenzene	13.01	117	333306 ✓	20.00	ug/L	-0.02
87) 1,4-Dichlorobenzene-d4	16.73	152	169550	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.86	65	163509	17.76	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 88.80% ✓			
36) d4-1,2-Dichloroethane	7.86	65	163509	17.76	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 88.80% ✓			
54) d8-Toluene	10.73	98	390204	18.79	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 93.95% ✓			
73) Bromofluorobenzene	14.88	95	163881	19.35	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 96.75% ✓			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.68	85	81070	10.38	ug/L	100
3) Chloromethane	1.93	50	134617	17.18	ug/L	100
4) Vinyl Chloride	2.00	62	115242	14.38	ug/L	97
5) Bromomethane	2.41	94	89718	21.62	ug/L	99
6) Chloroethane	2.51	64	64897	16.52	ug/L	100
7) t-Butyl alcohol (TBA)	3.97	59	58466	97.25	ug/L	97
8) Trichlorofluoromethane	2.82	101	247581	17.10	ug/L	100
9) Diethyl ether	3.25	74	40475	17.75	ug/L	97
10) 1,1,2-Trichlorotrifluoroet	3.39	101	106640	18.87	ug/L	98
12) Acetone	3.54	43	99142	49.33	ug/L	97
13) 1,1-Dichloroethene	3.63	96	77713	18.87	ug/L	90
14) Methyl iodide	4.07	142	129088	20.18	ug/L	98
15) Di-isopropyl ether (DIPE)	5.49	45	403773	19.87	ug/L	99
16) Methylene Chloride	4.39	84	88355	19.67	ug/L	97
17) Carbon Disulfide	4.34	76	270448	20.49	ug/L	100
18) Acrylonitrile	4.64	53	42190	22.17	ug/L	96
19) Methyl-tert-butyl ether (M	4.73	73	313161	20.13	ug/L	100
20) trans-1,2-Dichloroethene	4.87	61	202078	19.96	ug/L	94
21) 1,1-Dichloroethane	5.56	63	230452	19.95	ug/L	99
23) Methyl ethyl ketone	6.31	72	25047	50.97	ug/L	94
24) Ethyl t-butyl ether (ETBE)	6.14	59	384518	20.20	ug/L	99
25) 2,2-Dichloropropane	6.45	77	175104	19.72	ug/L	98
26) cis-1,2-Dichloroethene	6.52	96	136478	20.79	ug/L	98
27) t-Amyl methyl ether (TAME)	7.86	73	268560	20.17	ug/L	99
29) Chloroform	6.77	83	222495	20.42	ug/L	95
30) Bromochloromethane	7.00	128	69425	19.94	ug/L	94

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606C\C58565Q.D
Acq On : 26 Apr 2006 11:02 am
Sample : LS04266C2
Misc : 50,5.00,SOIL
Integration Params: rteint.p
Quant Time: Apr 26 11:12 2006

Vial: 2
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31) Tetrahydrofuran	7.13	71	11332	21.34 ug/L	96
32) 1,1,1-Trichloroethane	7.36	97	198513	20.02 ug/L	97
34) 1,1-Dichloropropene	7.61	75	158795	20.13 ug/L	96
35) Carbon Tetrachloride	7.74	119	159595	19.51 ug/L	99
37) 1,2-Dichloroethane	8.00	62	213748	19.87 ug/L	97
38) Benzene	8.00	78	369749	19.67 ug/L	98
40) Trichloroethene	8.93	95	130179	19.95 ug/L	97
41) 1,2-Dichloropropane	9.20	63	123690	20.13 ug/L	97
42) Methylmethacrylate	9.36	69	76893	20.22 ug/L	98
43) Methyl acetate	4.24	43	6512	1.16 ug/L #	82
45) Bromodichloromethane	9.54	83	162508	20.24 ug/L	94
46) Dibromomethane	9.61	93	94225	20.08 ug/L	97
47) 1,4-Dioxane	9.63	88	30331	522.49 ug/L	96
51) 2-Hexanone	11.43	58	106578	52.09 ug/L	97
52) Methyl isobutyl ketone	10.12	58	110489	52.37 ug/L	98
53) cis-1,3-Dichloropropene	10.38	75	178423	19.53 ug/L	94
55) Toluene	10.85	92	251755	20.45 ug/L	99
56) trans-1,3-Dichloropropene	11.14	75	175668	20.20 ug/L	99
58) 1,1,2-Trichloroethane	11.37	83	82779	20.45 ug/L	95
59) 1,3-Dichloropropane	11.74	76	161785	20.45 ug/L	99
60) Tetrachloroethene	11.82	166	159392	20.13 ug/L	97
61) Dibromochloromethane	12.11	129	139407	20.43 ug/L	99
62) 1,2-Dibromoethane	12.41	107	141443	20.64 ug/L	99
64) Chlorobenzene	13.06	112	343784	20.46 ug/L	99
65) 1,1,1,2-Tetrachloroethane	13.14	131	120958	20.30 ug/L	98
66) Ethylbenzene	13.16	91	503810	20.75 ug/L	99
67) m,p-Xylene	13.28	106	404914	41.59 ug/L	99
68) o-Xylene	13.94	106	193674	20.55 ug/L	95
69) Styrene	14.00	104	346403	20.91 ug/L	97
70) Bromoform	14.47	173	107726	20.83 ug/L	98
71) Isopropylbenzene	14.50	105	512873	20.51 ug/L	100
72) 1,1,2,2-Tetrachloroethane	14.77	83	130831	20.01 ug/L	97
74) 1,2,3-Trichloropropane	15.00	75	96739	19.92 ug/L	95
75) trans-1,4-Dichloro-2-buten	15.13	89	42225	20.88 ug/L #	75
76) n-Propylbenzene	15.14	91	618244	22.08 ug/L	99
77) Bromobenzene	15.16	156	153510	21.32 ug/L	98
78) 1,3,5-Trimethylbenzene	15.39	105	436183	21.14 ug/L	99
79) 2-Chlorotoluene	15.38	91	401972	20.83 ug/L	100
80) 4-Chlorotoluene	15.46	91	364673	20.58 ug/L	97
81) tert-butylbenzene	15.93	119	362669	19.88 ug/L	98
82) 1,2,4-Trimethylbenzene	15.99	105	440495	20.99 ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606C\C58565Q.D
Acq On : 26 Apr 2006 11:02 am
Sample : LS04266C2
Misc : 50,5.00,SOIL
Integration Params: rteint.p
Quant Time: Apr 26 11:12 2006

Vial: 2
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
84) sec-butylbenzene	16.27	105	596306	21.23	ug/L	98
85) p-isopropyltoluene	16.50	119	463668	20.55	ug/L	98
86) 1,3-Dichlorobenzene	16.60	146	260782	21.44	ug/L	97
88) 1,4-Dichlorobenzene	16.78	146	263336	20.79	ug/L	99
89) n-butylbenzene	17.14	91	431513	20.33	ug/L	100
90) 1,2-Dichlorobenzene	17.34	146	242080	20.70	ug/L	99
92) 1,2-Dibromo-3-chloropropan	18.59	75	24501	19.62	ug/L	87
94) 1,2,4-Trichlorobenzene	20.00	180	210985	21.01	ug/L	97
95) Hexachlorobutadiene	20.24	225	111179	21.66	ug/L	95
96) Naphthalene	20.38	128	380582	20.77	ug/L	100
97) 1,2,3-Trichlorobenzene	20.80	180	194797	21.38	ug/L	100

(#) = qualifier out of range (m) = manual integration

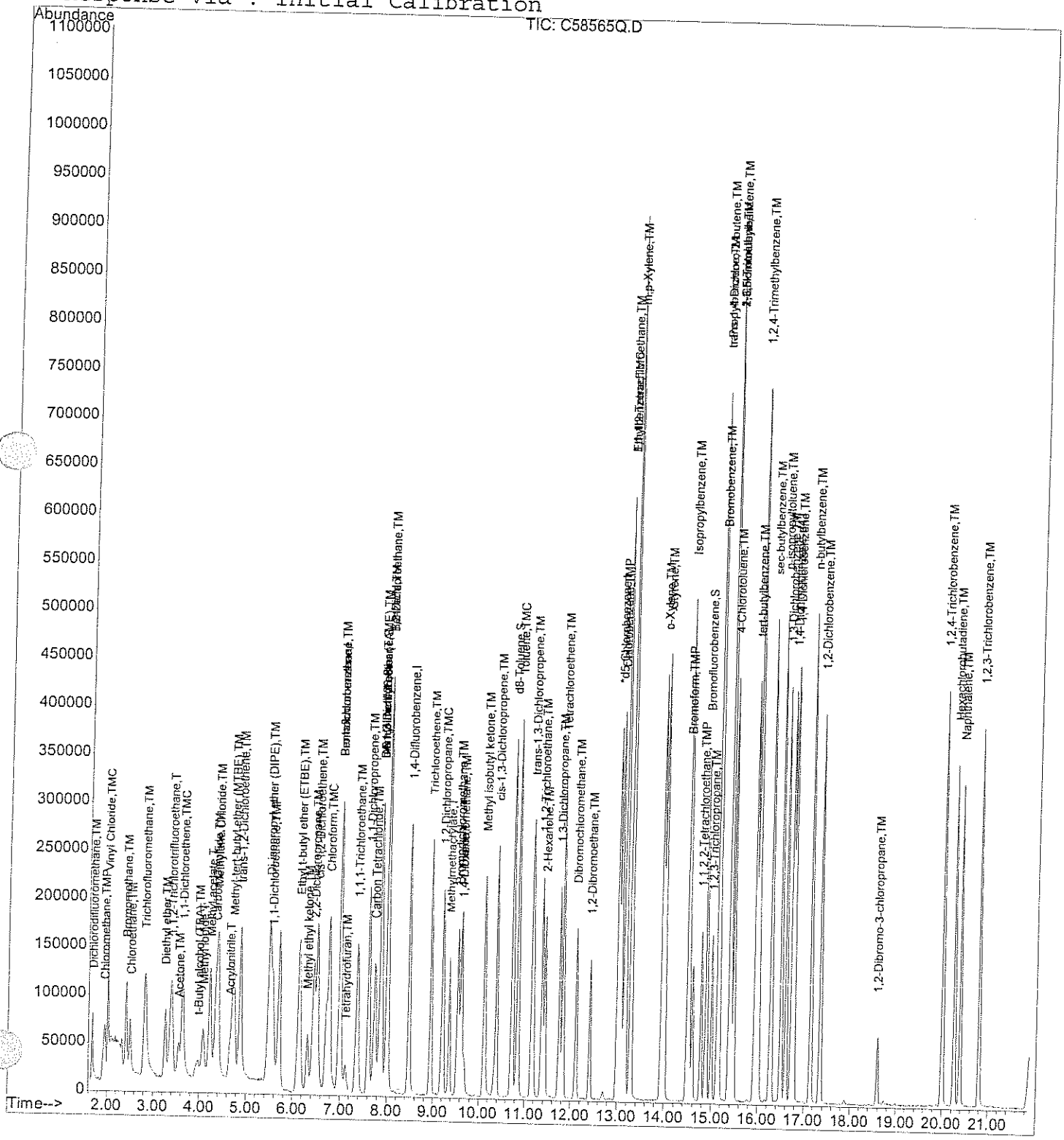
Quantitation Report

Data File : D:\HPCHEM\1\DATA\042606C\C58565Q.D
Acq On : 26 Apr 2006 11:02 am
Sample : LS04266C2
Misc : 50,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Apr 26 11:12 2006

Vial: 2
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration



analytics environmental laboratory LLC

VOLATILE ORGANIC

LABORATORY CONTROL SAMPLE

PERCENT RECOVERY

Project #:

Quote #:

SDG#: 56384

Site ID: Subbase New London Site 7

Location: CT

Instrument ID: C

GC Column: RTX-502.2

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Laboratory Cotrol Sample ID: L804286C

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE AMT (ug/kg)	LCS CONC. (ug/kg)	LCS REC %	#	QC Limits %REC
Dichlorodifluoromethane	20	U	22.0	110		80-120
Chloromethane	20	U	24.8	124	*	80-120
Vinyl Chloride	20	U	19.4	97		80-120
Bromomethane	20	U	25.1	126	*	80-120
Chloroethane	20	U	20.6	103		80-120
t-Butyl alcohol (TBA)	100	U	96.0	96		70-130
Trichlorofluoromethane	20	U	20.4	102		80-120
Diethyl ether	20	U	18.6	93		80-120
Acetone	100	U	96.8	97		70-130
1,1-Dichloroethene	20	U	22.5	113		80-120
Di-isopropyl ether (DIPE)	20	U	21.6	108		80-120
Methylene Chloride	20	U	23.3	116		80-120
Carbon Disulfide	20	U	21.8	109		80-120
Methyl-tert-butyl ether (MTBE)	40	U	42.1	105		80-120
trans-1,2-Dichloroethene	20	U	21.6	108		80-120
1,1-Dichloroethane	20	U	21.0	105		80-120
Methyl ethyl ketone	100	U	103.6	104		70-130
Ethyl t-butyl ether (ETBE)	20	U	21.2	106		80-120
2,2-Dichloropropane	20	U	20.7	103		80-120
cis-1,2-Dichloroethene	20	U	22.6	113		80-120
t-Amyl methyl ether (TAME)	20	U	21.4	107		80-120
Chloroform	20	U	21.5	107		80-120
Bromochloromethane	20	U	21.2	106		80-120
Tetrahydrofuran	20	U	20.5	103		70-130
1,1,1-Trichloroethane	20	U	21.5	107		80-120
1,1-Dichloropropene	20	U	21.3	106		80-120
Carbon Tetrachloride	20	U	22.1	110		80-120
1,2-Dichloroethane	20	U	21.1	105		80-120
Benzene	20	U	21.0	105		80-120
Trichloroethene	20	U	22.8	114		80-120
1,2-Dichloropropane	20	U	21.1	106		80-120
Bromodichloromethane	20	U	22.9	114		80-120
Dibromomethane	20	U	22.1	111		80-120
2-Hexanone	100	U	105.4	105		70-130
Methyl isobutyl ketone	100	U	107.2	107		70-130
cis-1,3-Dichloropropene	20	U	21.4	107		80-120
Toluene	20	U	22.9	114		80-120
trans-1,3-Dichloropropene	20	U	19.7	98		80-120
1,1,2-Trichloroethane	20	U	22.1	110		80-120
1,3-Dichloropropane	20	U	22.4	112		80-120
Tetrachloroethene	20	U	21.5	108		80-120
Dibromochloromethane	20	U	22.9	115		80-120
1,2-Dibromoethane	20	U	21.9	110		80-120
Chlorobenzene	20	U	21.8	109		80-120
1,1,1,2-Tetrachloroethane	20	U	21.5	107		80-120
Ethylbenzene	20	U	21.8	109		80-120
m,p-Xylene	40	U	43.9	110		80-120

analytics environmental laboratory LLC

VOLATILE ORGANIC

LABORATORY CONTROL SAMPLE

PERCENT RECOVERY

Project #:

Quote #:

SDG#: 56384

Site ID: Subbase New London Site 7

Location: CT

Instrument ID: C

GC Column: RTX-502.2

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Laboratory Cotrol Sample ID: L804286C

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE AMT (ug/kg)	LCS CONC. (ug/kg)	LCS REC %	#	QC Limits %REC
o-Xylene	20	U	22.1	110		80-120
Styrene	20	U	21.6	108		80-120
Bromoform	20	U	21.4	107		80-120
Isopropylbenzene	20	U	20.3	101		80-120
1,1,2,2-Tetrachloroethane	20	U	20.0	100		80-120
1,2,3-Trichloropropane	20	U	20.1	100		80-120
n-Propylbenzene	20	U	23.0	115		80-120
Bromobenzene	20	U	21.4	107		80-120
1,3,5-Trimethylbenzene	20	U	22.1	110		80-120
2-Chlorotoluene	20	U	22.4	112		80-120
4-Chlorotoluene	20	U	21.2	106		80-120
tert-butylbenzene	20	U	21.7	109		80-120
1,2,4-Trimethylbenzene	20	U	22.1	111		80-120
sec-butylbenzene	20	U	22.3	112		80-120
p-isopropyltoluene	20	U	21.0	105		80-120
1,3-Dichlorobenzene	20	U	21.2	106		80-120
1,4-Dichlorobenzene	20	U	21.5	107		80-120
n-butylbenzene	20	U	21.4	107		80-120
1,2-Dichlorobenzene	20	U	21.1	105		80-120
1,2-Dibromo-3-chloropropane	20	U	18.7	94		80-120
1,2,4-Trichlorobenzene	20	U	20.4	102		80-120
Hexachlorobutadiene	20	U	21.8	109		80-120
Naphthalene	20	U	19.6	98		80-120
1,2,3-Trichlorobenzene	20	U	20.4	102		80-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 2 out of 71 outside limits

Comments: _____

_____

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042806C\C58653Q.D
Acq On : 28 Apr 2006 12:55 pm
Sample : L804286C
Misc : 5000,,W/ 50UL MEOH
Integration Params: rteint.p
Quant Time: Apr 28 13:06 2006

Vial: 3
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/29/06

5.1.06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.97	168	231639	20.00	ug/L	-0.05
39) 1,4-Difluorobenzene	8.45	114	371743 ✓	20.00	ug/L	-0.05
63) *d5-Chlorobenzene	12.98	117	343390	20.00	ug/L	-0.04
87) 1,4-Dichlorobenzene-d4	16.70	152	176411	20.00	ug/L	-0.04
System Monitoring Compounds						
28) DB Holder #28	7.84	65	170051	18.47	ug/L	-0.04
Spiked Amount 20.000	Range 70 - 130		Recovery = 92.35% ✓			
36) d4-1,2-Dichloroethane	7.84	65	170376	18.51	ug/L	-0.04
Spiked Amount 20.000	Range 70 - 130		Recovery = 92.55% ✓			
54) d8-Toluene	10.71	98	416887	20.04	ug/L	-0.04
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.20% ✓			
73) Bromofluorobenzene	14.86	95	166983	19.14	ug/L	-0.04
Spiked Amount 20.000	Range 70 - 130		Recovery = 95.70% ✓			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.68	85	171577	21.96	ug/L	96
3) Chloromethane	1.93	50	194073	24.76	ug/L	99
4) Vinyl Chloride	2.00	62	155601	19.41	ug/L	99
5) Bromomethane	2.41	94	104273	25.13	ug/L	95
6) Chloroethane	2.51	64	80793	20.56	ug/L	99
7) t-Butyl alcohol (TBA)	3.92	59	57742	96.02	ug/L	97
8) Trichlorofluoromethane	2.82	101	295938	20.44	ug/L	99
9) Diethyl ether	3.24	74	42523	18.65	ug/L	93
10) 1,1,2-Trichlorotrifluoroet	3.38	101	123554	21.86	ug/L	99
11) Acrolein	3.40	56	49317	98.57	ug/L	99
12) Acetone	3.53	43	194681	96.84	ug/L	99
13) 1,1-Dichloroethene	3.62	96	92801	22.53	ug/L	98
14) Methyl iodide	4.06	142	108006	16.88	ug/L	98
15) Di-isopropyl ether (DIPE)	5.47	45	438906	21.60	ug/L	99
16) Methylene Chloride	4.38	84	104616	23.29	ug/L	96
17) Carbon Disulfide	4.33	76	287775	21.80	ug/L	100
18) Acrylonitrile	4.62	53	45258	23.78	ug/L	91
19) Methyl-tert-butyl ether (M	4.70	73	655276	42.11	ug/L	99
20) trans-1,2-Dichloroethene	4.86	61	218709	21.60	ug/L	99
21) 1,1-Dichloroethane	5.55	63	242253	20.97	ug/L	98
22) Vinyl acetate	5.61	43	239575	24.85	ug/L	99
23) Methyl ethyl ketone	6.29	72	50925	103.61	ug/L	99
24) Ethyl t-butyl ether (ETBE)	6.11	59	403973	21.22	ug/L	100
25) 2,2-Dichloropropane	6.43	77	183375	20.65	ug/L	96
26) cis-1,2-Dichloroethene	6.50	96	148505	22.62	ug/L	95
27) t-Amyl methyl ether (TAME)	7.84	73	284613	21.37	ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042806C\C58653Q.D
Acq On : 28 Apr 2006 12:55 pm
Sample : L804286C
Misc : 5000,,W/ 50UL MEOH
Integration Params: rteint.p
Quant Time: Apr 28 13:06 2006

Vial: 3
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29) Chloroform	6.75	83	234123	21.48 ug/L	96
30) Bromochloromethane	6.99	128	73941	21.24 ug/L	99
31) Tetrahydrofuran	7.10	71	10901	20.52 ug/L	85
32) 1,1,1-Trichloroethane	7.34	97	212776	21.45 ug/L	99
34) 1,1-Dichloropropene	7.59	75	167900	21.28 ug/L	97
35) Carbon Tetrachloride	7.72	119	180419	22.05 ug/L	99
37) 1,2-Dichloroethane	7.97	62	226667	21.07 ug/L	98
38) Benzene	7.97	78	394161	20.97 ug/L	99
40) Trichloroethene	8.91	95	148908	22.78 ug/L	93
41) 1,2-Dichloropropane	9.18	63	130143	21.15 ug/L	100
42) Methylmethacrylate	9.34	69	76114	19.98 ug/L	99
43) Methyl acetate	4.20	43	22111	3.94 ug/L #	93
44) Cyclohexane	7.40	56	257825	25.90 ug/L #	55
45) Bromodichloromethane	9.52	83	184091	22.89 ug/L	99
46) Dibromomethane	9.58	93	103982	22.12 ug/L	89
47) 1,4-Dioxane	9.61	88	27324	469.93 ug/L	99
50) 2-Chloroethylvinyl ether	10.04	63	81725	44.87 ug/L	100
51) 2-Hexanone	11.41	58	216030	105.41 ug/L	97
52) Methyl isobutyl ketone	10.09	58	226631	107.24 ug/L	98
53) cis-1,3-Dichloropropene	10.36	75	195580	21.37 ug/L	94
55) Toluene	10.82	92	281797	22.85 ug/L	100
56) trans-1,3-Dichloropropene	11.12	75	171155	19.65 ug/L	98
58) 1,1,2-Trichloroethane	11.34	83	89392	22.05 ug/L	98
59) 1,3-Dichloropropane	11.72	76	177601	22.41 ug/L	99
60) Tetrachloroethene	11.80	166	170588	21.51 ug/L	96
61) Dibromochloromethane	12.09	129	156653	22.92 ug/L	97
62) 1,2-Dibromoethane	12.39	107	150596	21.94 ug/L	96
64) Chlorobenzene	13.03	112	376766	21.77 ug/L	98
65) 1,1,1,2-Tetrachloroethane	13.11	131	131909	21.49 ug/L	97
66) Ethylbenzene	13.14	91	545334	21.80 ug/L	100
67) m,p-Xylene	13.26	106	440604	43.93 ug/L	99
68) o-Xylene	13.92	106	214089	22.05 ug/L	99
69) Styrene	13.98	104	368789	21.61 ug/L	97
70) Bromoform	14.46	173	114003	21.40 ug/L	100
71) Isopropylbenzene	14.49	105	522822	20.30 ug/L	99
72) 1,1,2,2-Tetrachloroethane	14.75	83	134579	19.98 ug/L	97
74) 1,2,3-Trichloropropane	14.98	75	100451	20.08 ug/L	99
75) trans-1,4-Dichloro-2-buten	15.10	89	44125	21.18 ug/L #	75
76) n-Propylbenzene	15.11	91	662888	22.98 ug/L	99
77) Bromobenzene	15.13	156	158570	21.37 ug/L	92
78) 1,3,5-Trimethylbenzene	15.37	105	469318	22.08 ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042806C\C58653Q.D
Acq On : 28 Apr 2006 12:55 pm
Sample : L804286C
Misc : 5000,,W/ 50UL MEOH
Integration Params: rteint.p
Quant Time: Apr 28 13:06 2006

Vial: 3
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
79) 2-Chlorotoluene	15.37	91	445231	22.40 ug/L	98
80) 4-Chlorotoluene	15.44	91	387765	21.24 ug/L	97
81) tert-butylbenzene	15.91	119	408086	21.72 ug/L	98
82) 1,2,4-Trimethylbenzene	15.97	105	478726	22.14 ug/L	99
84) sec-butylbenzene	16.25	105	645860	22.31 ug/L	98
85) p-isopropyltoluene	16.47	119	487487	20.98 ug/L	98
86) 1,3-Dichlorobenzene	16.58	146	265965	21.22 ug/L	97
88) 1,4-Dichlorobenzene	16.75	146	282977	21.47 ug/L	99
89) n-butylbenzene	17.12	91	472650	21.40 ug/L	99
90) 1,2-Dichlorobenzene	17.32	146	256261	21.06 ug/L	98
92) 1,2-Dibromo-3-chloropropan	18.56	75	24303	18.70 ug/L	89
94) 1,2,4-Trichlorobenzene	19.97	180	213067	20.39 ug/L	94
95) Hexachlorobutadiene	20.23	225	116653	21.85 ug/L	100
96) Naphthalene	20.36	128	374483	19.65 ug/L	100
97) 1,2,3-Trichlorobenzene	20.77	180	193706	20.44 ug/L	99
98) 1,3,5-Trichlorobenzene	18.97	180	229413	19.54 ug/L	98

(#) = qualifier out of range (m) = manual integration

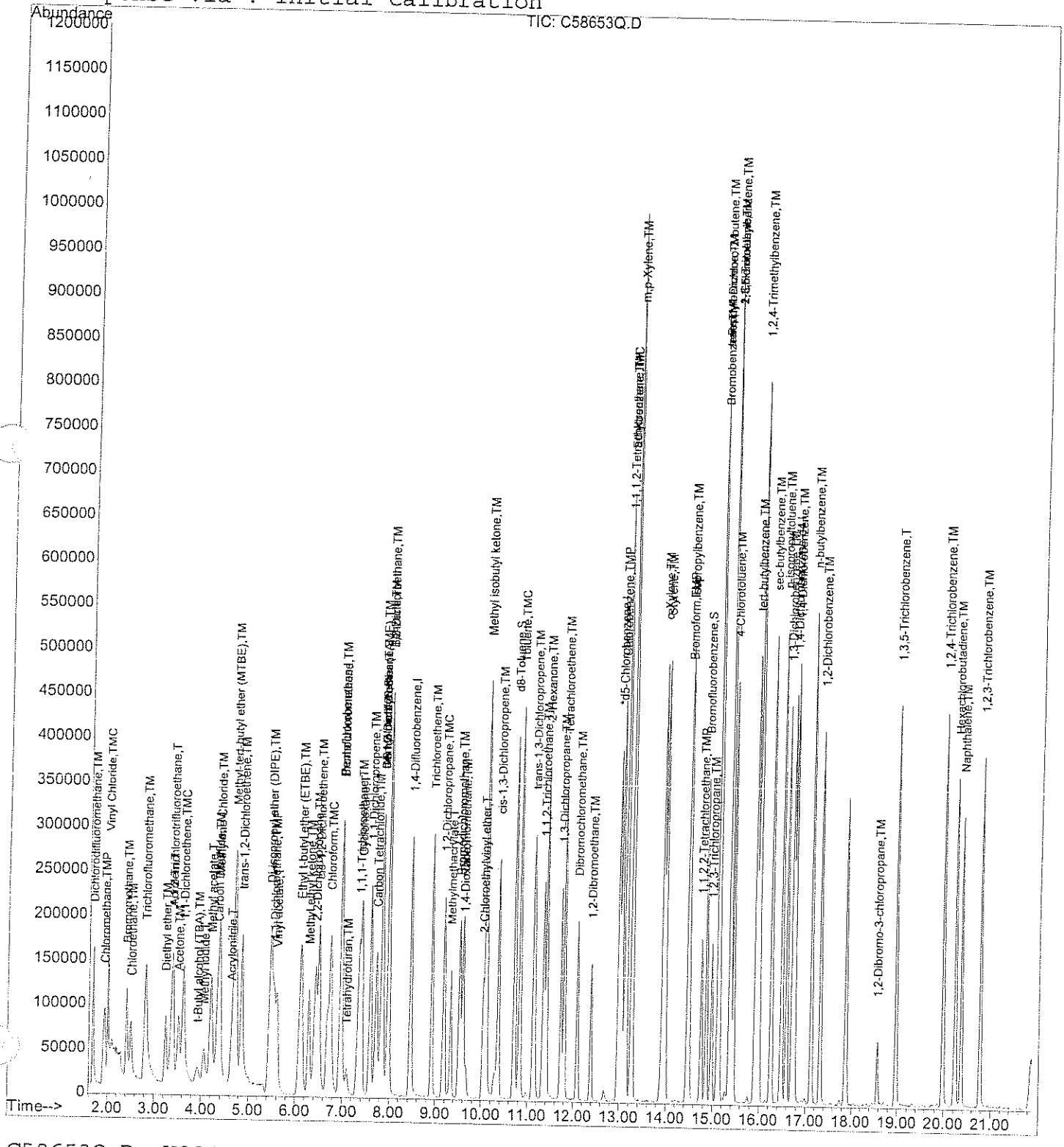
Quantitation Report

Data File : D:\HPCHEM\1\DATA\042806C\C58653Q.D
Acq On : 28 Apr 2006 12:55 pm
Sample : L804286C
Misc : 5000,,W/ 50UL MEOH
MS Integration Params: rteint.p
Quant Time: Apr 28 13:06 2006

Vial: 3
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration



analytics environmental laboratory LLC

VOLATILE ORGANIC

LABORATORY CONTROL SAMPLE/DUPLICATE

PERCENT RECOVERY

Project #:

Quote #:

SDG#: 56384

Site ID: Subbsae New London Site 7 Location: CT

Instrument ID: C

GC Column: RTX-502.2 ID: 0.25 (mm)

Heated Purge: (Y/N) N

Laboratory Control Sample/Duplicate Sample ID: 56384-3

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE AMT (ug/kg)	MS CONC. (ug/kg)	MS REC %	#	MSD CONC. (ug/kg)	MSD REC %	#	RPD	#	QC LIMITS RPD	QC LIMITS % REC.
Dichlorodifluoromethane	3000	U	1103	37	*	1352	45	*	20		25	49-82
Chloromethane	3000	U	2325	78		3520	117		41	*	25	75-125
Vinyl Chloride	3000	U	1890	63	*	2754	92		37	*	25	75-125
Bromomethane	3000	U	2479	83		3458	115		33	*	25	75-125
Chloroethane	3000	U	2367	79		3680	123		43	*	25	75-125
t-Butyl alcohol (TBA)	15000	U	13591	91		24032	160	*	56	*	25	60-140
Trichlorofluoromethane	3000	U	2207	74	*	3424	114		43	*	25	75-125
Diethyl ether	3000	U	2513	84		4354	145	*	54	*	25	75-125
Acetone	7500	U	6670	89		11469	153	*	53	*	25	75-125
1,1-Dichloroethene	3000	U	2685	90		4290	143	*	46	*	25	75-125
Di-isopropyl ether (DIPE)	3000	U	2894	96		4734	158	*	48	*	25	75-125
Methylene Chloride	3000	U	2662	89		4477	149	*	51	*	25	75-125
Carbon Disulfide	3000	U	2650	88		4277	143	*	47	*	25	75-125
Methyl-tert-butyl ether (MTBE)	3000	U	2816	94		4825	161	*	53	*	25	75-125
trans-1,2-Dichloroethene	3000	U	2739	91		4473	149	*	48	*	25	75-125
1,1-Dichloroethane	3000	U	2863	95		4673	156	*	48	*	25	75-125
Methyl ethyl ketone	7500	U	7319	98		12231	163	*	50	*	25	60-140
Ethyl t-butyl ether (ETBE)	3000	U	2870	96		4781	159	*	50	*	25	75-125
2,2-Dichloropropane	3000	U	2731	91		4510	150	*	49	*	25	75-125
cis-1,2-Dichloroethene	3000	U	2835	95		4791	160	*	51	*	25	75-125
t-Amyl methyl ether (TAME)	3000	U	2978	99		4961	165	*	50	*	25	75-125
Chloroform	3000	U	2971	99		4911	164	*	49	*	25	75-125
Bromochloromethane	3000	U	2948	98		4748	158	*	47	*	25	75-125
Tetrahydrofuran	3000	U	3022	101		5166	172	*	52	*	25	60-140
1,1,1-Trichloroethane	3000	**6350** E	10043	123		8777	81		13		25	75-125
1,1-Dichloropropene	3000	U	2843	95		4547	152	*	46	*	25	75-125
Carbon Tetrachloride	3000	U	2945	98		4912	164	*	50	*	25	75-125
1,2-Dichloroethane	3000	U	2846	95		4740	158	*	50	*	25	75-125
Benzene	3000	U	2875	96		4681	156	*	48	*	25	75-125
Trichloroethene	3000	U	2781	93		4702	157	*	51	*	25	75-125
1,2-Dichloropropane	3000	U	2740	91		4665	156	*	52	*	25	75-125
Bromodichloromethane	3000	U	2744	91		4777	159	*	54	*	25	75-125
Dibromomethane	3000	U	2825	94		4716	157	*	50	*	25	75-125
2-Hexanone	7500	U	6859	91		12234	163	*	56	*	25	75-125
Methyl isobutyl ketone	7500	U	6887	92		12346	165	*	57	*	25	75-125
cis-1,3-Dichloropropene	3000	U	2752	92		4688	156	*	52	*	25	75-125
Toluene	3000	U	2883	96		4870	162	*	51	*	25	75-125
trans-1,3-Dichloropropene	3000	U	2694	90		4652	155	*	53	*	25	75-125
1,1,2-Trichloroethane	3000	U	2825	94		4866	162	*	53	*	25	75-125
1,3-Dichloropropane	3000	U	2819	94		4808	160	*	52	*	25	75-125
Tetrachloroethene	3000	U	2656	89		4548	152	*	53	*	25	75-125
Dibromochloromethane	3000	U	2834	94		4958	165	*	55	*	25	75-125
1,2-Dibromoethane	3000	U	2871	96		4853	162	*	51	*	25	75-125
Chlorobenzene	3000	U	2843	95		4703	157	*	49	*	25	75-125
1,1,1,2-Tetrachloroethane	3000	U	2892	96		4872	162	*	51	*	25	75-125
Ethylbenzene	3000	U	2903	97		4764	159	*	49	*	25	75-125
m,p-Xylene	6000	**81**	5626	92		9488	157	*	51	*	25	75-125

analytics environmental laboratory LLC

VOLATILE ORGANIC

LABORATORY CONTROL SAMPLE/DUPLICATE

PERCENT RECOVERY

Project #:

Quote #:

SDG#: 56384

Site ID: Subbsae New London Site 7

Location: CT

Instrument ID: C

GC Column: RTX-502.2

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Laboratory Control Sample/Duplicate Sample ID: 56384-3

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE AMT (ug/kg)	MS CONC. (ug/kg)	MS REC %	#	MSD CONC. (ug/kg)	MSD REC %	#	RPD	#	QC LIMITS RPD	QC LIMITS % REC.
o-Xylene	3000	**42** **J**	2949	97		4738	157	*	47	*	25	75-125
Styrene	3000	U	2890	96		4750	158	*	49	*	25	75-125
Bromoform	3000	U	2819	94		4927	164	*	54	*	25	75-125
Isopropylbenzene	3000	U	2875	96		4822	161	*	51	*	25	75-125
1,1,2,2-Tetrachloroethane	3000	U	2690	90		4709	157	*	55	*	25	75-125
1,2,3-Trichloropropane	3000	U	2678	89		4621	154	*	53	*	25	75-125
n-Propylbenzene	3000	U	3032	101		4861	162	*	46	*	25	75-125
Bromobenzene	3000	U	2871	96		4669	156	*	48	*	25	75-125
1,3,5-Trimethylbenzene	3000	**48** **J**	2963	97		4863	160	*	49	*	25	75-125
2-Chlorotoluene	3000	U	2844	95		4610	154	*	47	*	25	75-125
4-Chlorotoluene	3000	U	2859	95		4743	158	*	50	*	25	75-125
tert-butylbenzene	3000	U	2928	98		4694	156	*	46	*	25	75-125
1,2,4-Trimethylbenzene	3000	**76**	2952	96		4793	157	*	48	*	25	75-125
sec-butylbenzene	3000	U	2909	97		4759	159	*	48	*	25	75-125
p-isopropyltoluene	3000	U	2963	99		4738	158	*	46	*	25	75-125
1,3-Dichlorobenzene	3000	U	2802	93		4587	153	*	48	*	25	75-125
1,4-Dichlorobenzene	3000	U	2780	93		4647	155	*	50	*	25	75-125
n-butylbenzene	3000	U	2777	93		4718	157	*	52	*	25	75-125
1,2-Dichlorobenzene	3000	U	2718	91		4606	154	*	52	*	25	75-125
1,2-Dibromo-3-chloropropane	3000	U	2420	81		4358	145	*	57	*	25	75-125
1,2,4-Trichlorobenzene	3000	U	2562	85		4453	148	*	54	*	25	75-125
Hexachlorobutadiene	3000	U	2634	88		4684	156	*	56	*	25	75-125
Naphthalene	3000	**43** **J**	2571	86		4547	152	*	56	*	25	75-125
1,2,3-Trichlorobenzene	3000	U	2549	85		4411	147	*	54	*	25	75-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 69 out of 71 outside limits

Spike Recovery: 70 out of 142 outside limits

Comments: _____

_____

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042806C\C58660SP.D
Acq On : 28 Apr 2006 4:03 pm
Sample : 56384-3,MS
Misc : 75,6.65,SOIL
Integration Params: rteint.p
Quant Time: Apr 29 15:38 2006

Vial: 10
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/29/06

5.1.06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.95	168	235787	20.00	ug/L	-0.06
39) 1,4-Difluorobenzene	8.44	114	392666 ✓	20.00	ug/L	-0.05
63) *d5-Chlorobenzene	12.98	117	352310	20.00	ug/L	-0.04
87) 1,4-Dichlorobenzene-d4	16.71	152	179435	20.00	ug/L	-0.03
System Monitoring Compounds						
28) DB Holder #28	7.83	65	163003	17.39	ug/L	-0.04
Spiked Amount 20.000	Range 70 - 130		Recovery = 86.95% ✓			
36) d4-1,2-Dichloroethane	7.83	65	163003	17.39	ug/L	-0.04
Spiked Amount 20.000	Range 70 - 130		Recovery = 86.95% ✓			
54) d8-Toluene	10.70	98	389627	17.73	ug/L	-0.04
Spiked Amount 20.000	Range 70 - 130		Recovery = 88.65% ✓			
73) Bromofluorobenzene	14.86	95	159012	17.76	ug/L	-0.03
Spiked Amount 20.000	Range 70 - 130		Recovery = 88.80% ✓			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.68	85	87699	11.03	ug/L	98
3) Chloromethane	1.92	50	185501	23.25	ug/L	99
4) Vinyl Chloride	1.99	62	154285	18.90	ug/L	98
5) Bromomethane	2.39	94	104701	24.79	ug/L	97
6) Chloroethane	2.49	64	94684	23.67	ug/L	99
7) t-Butyl alcohol (TBA)	3.99	59	83190	135.91	ug/L #	86
8) Trichlorofluoromethane	2.78	101	325289	22.07	ug/L	100
9) Diethyl ether	3.24	74	58321	25.13	ug/L	95
10) 1,1,2-Trichlorotrifluoroet	3.36	101	146139	25.40	ug/L	98
12) Acetone	3.53	43	136493	66.70	ug/L	97
13) 1,1-Dichloroethene	3.60	96	112577	26.85	ug/L	98
14) Methyl iodide	4.04	142	230927	35.45	ug/L	100
15) Di-isopropyl ether (DIPE)	5.47	45	598605	28.94	ug/L	100
16) Methylene Chloride	4.36	84	121693	26.62	ug/L	98
17) Carbon Disulfide	4.30	76	356108	26.50	ug/L	100
18) Acrylonitrile	4.63	53	57247	29.54	ug/L	95
19) Methyl-tert-butyl ether (M	4.71	73	445976	28.16	ug/L	100
20) trans-1,2-Dichloroethene	4.83	61	282399	27.39	ug/L	97
21) 1,1-Dichloroethane	5.53	63	336685	28.63	ug/L	99
23) Methyl ethyl ketone	6.29	72	36615	73.19	ug/L	98
24) Ethyl t-butyl ether (ETBE)	6.12	59	556050	28.70	ug/L	99
25) 2,2-Dichloropropane	6.42	77	246845	27.31	ug/L	96
26) cis-1,2-Dichloroethene	6.49	96	189472	28.35	ug/L	97
27) t-Amyl methyl ether (TAME)	7.84	73	403589	29.78	ug/L	100
29) Chloroform	6.75	83	329568	29.71	ug/L	95
30) Bromochloromethane	6.97	128	104493	29.48	ug/L	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042806C\C58660SP.D Vial: 10
Acq On : 28 Apr 2006 4:03 pm Operator:
Sample : 56384-3,MS Inst : Instr_C
Misc : 75,6.65,SOIL Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 29 15:38 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31) Tetrahydrofuran	7.10	71	16341	30.22 ug/L	96
32) 1,1,1-Trichloroethane	7.34	97	1013808	100.43 ug/L	96
34) 1,1-Dichloropropene	7.58	75	228375	28.43 ug/L	97
35) Carbon Tetrachloride	7.71	119	245213	29.45 ug/L	98
37) 1,2-Dichloroethane	7.97	62	311716	28.46 ug/L	97
38) Benzene	7.97	78	550139	28.75 ug/L	100
40) Trichloroethene	8.92	95	192016	27.81 ug/L	99
41) 1,2-Dichloropropane	9.17	63	178086	27.40 ug/L	98
42) Methylmethacrylate	9.33	69	102435	25.45 ug/L	98
45) Bromodichloromethane	9.52	83	233089	27.44 ug/L	95
46) Dibromomethane	9.58	93	140263	28.25 ug/L	88
47) 1,4-Dioxane	9.62	88	44041	717.07 ug/L	97
48) Methylcyclohexane	9.00	83	8157	0.97 ug/L	85
51) 2-Hexanone	11.41	58	148476	68.59 ug/L	98
52) Methyl isobutyl ketone	10.10	58	153743	68.87 ug/L	100
53) cis-1,3-Dichloropropene	10.36	75	265990	27.52 ug/L	95
55) Toluene	10.82	92	375486	28.83 ug/L	100
56) trans-1,3-Dichloropropene	11.12	75	247847	26.94 ug/L	99
58) 1,1,2-Trichloroethane	11.34	83	120975	28.25 ug/L	96
59) 1,3-Dichloropropane	11.73	76	235955	28.19 ug/L	99
60) Tetrachloroethene	11.80	166	222475	26.56 ug/L	97
61) Dibromochloromethane	12.09	129	204551	28.34 ug/L	95
62) 1,2-Dibromoethane	12.39	107	208198	28.71 ug/L	96
64) Chlorobenzene	13.04	112	504835	28.43 ug/L	99
65) 1,1,1,2-Tetrachloroethane	13.12	131	182179	28.92 ug/L	96
66) Ethylbenzene	13.14	91	745276	29.03 ug/L	100
67) m,p-Xylene	13.26	106	578906	56.26 ug/L	99
68) o-Xylene	13.92	106	293723	29.49 ug/L	95
69) Styrene	13.97	104	506021	28.90 ug/L	96
70) Bromoform	14.46	173	154077	28.19 ug/L	96
71) Isopropylbenzene	14.49	105	759882	28.75 ug/L	99
72) 1,1,2,2-Tetrachloroethane	14.75	83	185873	26.90 ug/L	98
74) 1,2,3-Trichloropropane	14.97	75	137475	26.78 ug/L	97
75) trans-1,4-Dichloro-2-buten	15.11	89	59419	27.80 ug/L #	77
76) n-Propylbenzene	15.11	91	897273	30.32 ug/L	98
77) Bromobenzene	15.14	156	218517	28.71 ug/L	97
78) 1,3,5-Trimethylbenzene	15.37	105	646268	29.63 ug/L	99
79) 2-Chlorotoluene	15.37	91	579908	28.44 ug/L	99
80) 4-Chlorotoluene	15.44	91	535368	28.59 ug/L	98
81) tert-butylbenzene	15.92	119	564486	29.28 ug/L	99
82) 1,2,4-Trimethylbenzene	15.98	105	654777	29.52 ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042806C\C58660SP.D
Acq On : 28 Apr 2006 4:03 pm
Sample : 56384-3,MS
Misc : 75,6.65,SOIL
Integration Params: rteint.p
Quant Time: Apr 29 15:38 2006

Vial: 10
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
84) sec-butylbenzene	16.25	105	863903	29.09	ug/L		98
85) p-isopropyltoluene	16.47	119	706434	29.63	ug/L		98
86) 1,3-Dichlorobenzene	16.59	146	360321	28.02	ug/L		97
88) 1,4-Dichlorobenzene	16.76	146	372750	27.80	ug/L		98
89) n-butylbenzene	17.12	91	623999	27.77	ug/L		98
90) 1,2-Dichlorobenzene	17.33	146	336355	27.18	ug/L		97
92) 1,2-Dibromo-3-chloropropan	18.57	75	31980	24.20	ug/L	#	84
94) 1,2,4-Trichlorobenzene	19.98	180	272266	25.62	ug/L		95
95) Hexachlorobutadiene	20.23	225	143080	26.34	ug/L		100
96) Naphthalene	20.36	128	498465	25.71	ug/L		100
97) 1,2,3-Trichlorobenzene	20.78	180	245731	25.49	ug/L		100

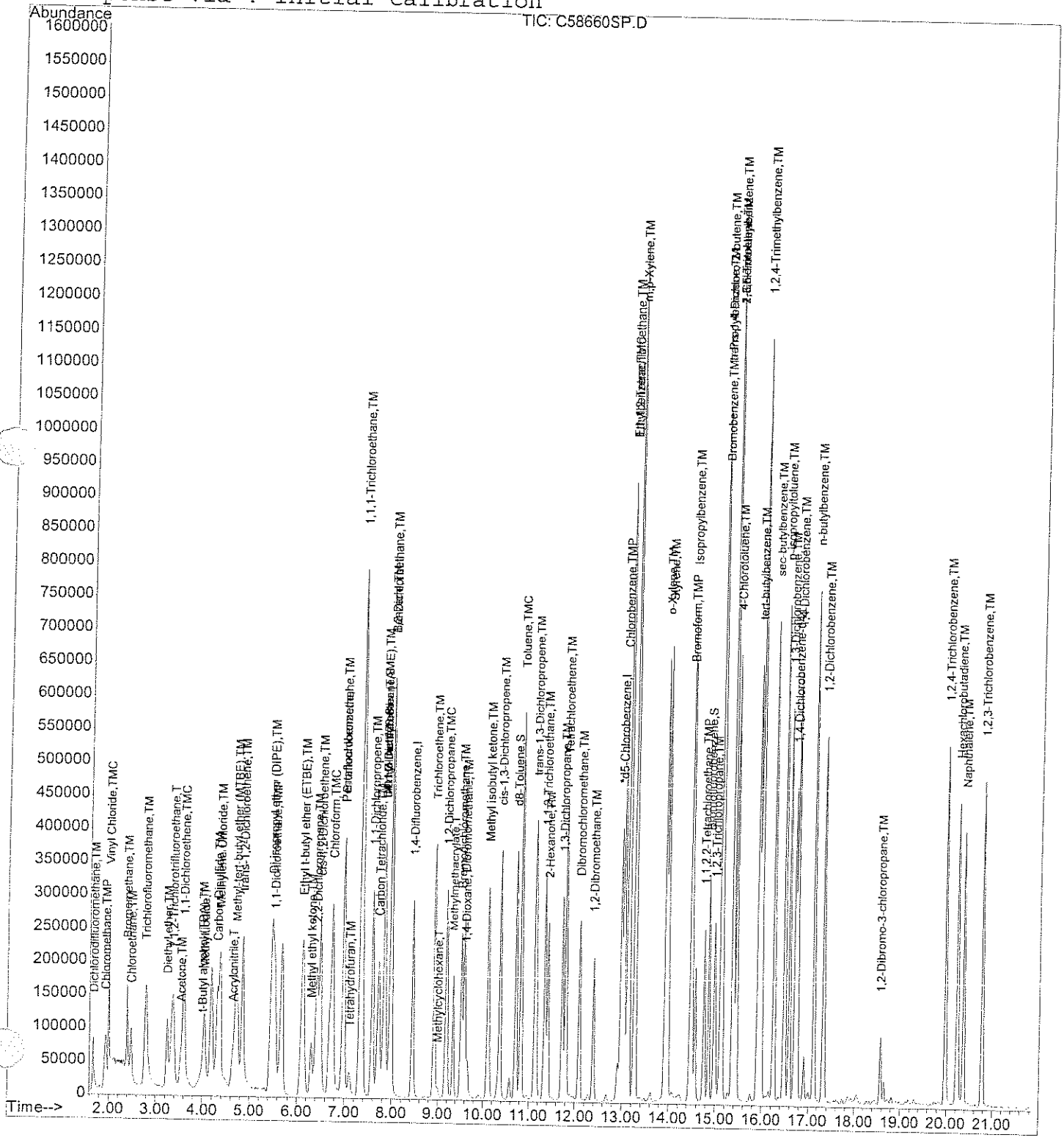
(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042806C\C58660SP.D
Acq On : 28 Apr 2006 4:03 pm
Sample : 56384-3,MS
Misc : 75,6.65,SOIL
MS Integration Params: rteint.p
Quant Time: Apr 29 15:38 2006

Vial: 10
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042806C\C58661SP.D
Acq On : 28 Apr 2006 4:36 pm
Sample : 56384-3,MSD
Misc : 75,5.02,SOIL
Integration Params: rteint.p
Quant Time: Apr 29 15:38 2006

Vial: 11
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/29/06
S.1.06
*MeOH level is low in vial. Either leaked at or spilled when sampling.

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.96	168	236391	20.00	ug/L	-0.06
39) 1,4-Difluorobenzene	8.45	114	386054	20.00	ug/L	-0.05
63) *d5-Chlorobenzene	12.97	117	350267	20.00	ug/L	-0.05
87) 1,4-Dichlorobenzene-d4	16.70	152	174618	20.00	ug/L	-0.04
System Monitoring Compounds						
28) DB Holder #28	7.83	65	272670	29.02	ug/L	-0.05
Spiked Amount 20.000	Range 70 - 130		Recovery =	145.10%#		
36) d4-1,2-Dichloroethane	7.83	65	272670	29.02	ug/L	-0.05
Spiked Amount 20.000	Range 70 - 130		Recovery =	145.10%#		
54) d8-Toluene	10.71	98	658498	30.48	ug/L	-0.04
Spiked Amount 20.000	Range 70 - 130		Recovery =	152.40%#		
73) Bromofluorobenzene	14.86	95	262834	29.53	ug/L	-0.04
Spiked Amount 20.000	Range 70 - 130		Recovery =	147.65%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.67	85	107793	13.52	ug/L	97
3) Chloromethane	1.94	50	281513	35.20	ug/L	98
4) Vinyl Chloride	1.99	62	225391	27.54	ug/L	99
5) Bromomethane	2.39	94	146454	34.58	ug/L	96
6) Chloroethane	2.48	64	147574	36.80	ug/L	99
7) t-Butyl alcohol (TBA)	3.99	59	147481	240.32	ug/L	96
8) Trichlorofluoromethane	2.79	101	505999	34.24	ug/L	98
9) Diethyl ether	3.24	74	101317	43.54	ug/L	100
10) 1,1,2-Trichlorotrifluoroet	3.36	101	228118	39.54	ug/L	99
12) Acetone	3.54	43	235291	114.69	ug/L	98
13) 1,1-Dichloroethene	3.60	96	180330	42.90	ug/L	97
14) Methyl iodide	4.04	142	298589	45.72	ug/L	98
15) Di-isopropyl ether (DIPE)	5.47	45	981833	47.34	ug/L	99
16) Methylene Chloride	4.37	84	205209	44.77	ug/L	99
17) Carbon Disulfide	4.31	76	576110	42.77	ug/L	100
18) Acrylonitrile	4.63	53	95253	49.03	ug/L	96
19) Methyl-tert-butyl ether (M	4.71	73	766265	48.25	ug/L	100
20) trans-1,2-Dichloroethene	4.84	61	462253	44.73	ug/L	98
21) 1,1-Dichloroethane	5.54	63	550989	46.73	ug/L	99
23) Methyl ethyl ketone	6.30	72	61349	122.31	ug/L	98
24) Ethyl t-butyl ether (ETBE)	6.11	59	928846	47.81	ug/L	99
25) 2,2-Dichloropropane	6.42	77	408687	45.10	ug/L	97
26) cis-1,2-Dichloroethene	6.50	96	321001	47.91	ug/L	97
27) t-Amyl methyl ether (TAME)	7.84	73	674199	49.61	ug/L	99
29) Chloroform	6.75	83	546252	49.11	ug/L	96
30) Bromochloromethane	6.98	128	168700	47.48	ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042806C\C58661SP.D Vial: 11
Acq On : 28 Apr 2006 4:36 pm Operator:
Sample : 56384-3,MSD Inst : Instr_C
Misc : 75,5.02,SOIL Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 29 15:38 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31) Tetrahydrofuran	7.11	71	28009	51.66 ug/L	97
32) 1,1,1-Trichloroethane	7.33	97	888325	87.77 ug/L	98
34) 1,1-Dichloropropene	7.58	75	366220	45.47 ug/L	99
35) Carbon Tetrachloride	7.71	119	410078	49.12 ug/L	99
37) 1,2-Dichloroethane	7.98	62	520457	47.40 ug/L	99
38) Benzene	7.98	78	897987	46.81 ug/L	98
40) Trichloroethene	8.91	95	319257	47.02 ug/L	96
41) 1,2-Dichloropropane	9.18	63	298136	46.65 ug/L	100
42) Methylmethacrylate	9.34	69	178908	45.22 ug/L	98
45) Bromodichloromethane	9.52	83	398945	47.77 ug/L	98
46) Dibromomethane	9.58	93	230197	47.16 ug/L	95
47) 1,4-Dioxane	9.62	88	73703	1220.58 ug/L	96
48) Methylcyclohexane	8.99	83	12623	1.53 ug/L	95
51) 2-Hexanone	11.41	58	260379	122.34 ug/L	97
52) Methyl isobutyl ketone	10.11	58	270945	123.46 ug/L	100
53) cis-1,3-Dichloropropene	10.35	75	445556	46.88 ug/L	97
55) Toluene	10.83	92	623735	48.70 ug/L	99
56) trans-1,3-Dichloropropene	11.12	75	420729	46.52 ug/L	99
58) 1,1,2-Trichloroethane	11.34	83	204826	48.66 ug/L	97
59) 1,3-Dichloropropane	11.72	76	395698	48.08 ug/L	99
60) Tetrachloroethene	11.80	166	374503	45.48 ug/L	99
61) Dibromochloromethane	12.09	129	351834	49.58 ug/L	99
62) 1,2-Dibromoethane	12.39	107	345938	48.53 ug/L	98
64) Chlorobenzene	13.03	112	830386	47.03 ug/L	98
65) 1,1,1,2-Tetrachloroethane	13.11	131	305058	48.72 ug/L	97
66) Ethylbenzene	13.13	91	1215871	47.64 ug/L	100
67) m,p-Xylene	13.26	106	970714	94.88 ug/L	99
68) o-Xylene	13.92	106	469145	47.38 ug/L	95
69) Styrene	13.98	104	826992	47.50 ug/L	96
70) Bromoform	14.45	173	267705	49.27 ug/L	97
71) Isopropylbenzene	14.48	105	1267025	48.22 ug/L	100
72) 1,1,2,2-Tetrachloroethane	14.75	83	323474	47.09 ug/L	98
74) 1,2,3-Trichloropropane	14.98	75	235833	46.21 ug/L	98
75) trans-1,4-Dichloro-2-buten	15.10	89	98982	46.57 ug/L #	76
76) n-Propylbenzene	15.11	91	1430033	48.61 ug/L	99
77) Bromobenzene	15.13	156	353353	46.69 ug/L	93
78) 1,3,5-Trimethylbenzene	15.37	105	1054350	48.63 ug/L	100
79) 2-Chlorotoluene	15.36	91	934722	46.10 ug/L	97
80) 4-Chlorotoluene	15.44	91	883116	47.43 ug/L	95
81) tert-butylbenzene	15.91	119	899656	46.94 ug/L	98
82) 1,2,4-Trimethylbenzene	15.97	105	1057048	47.93 ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042806C\C58661SP.D Vial: 11
Acq On : 28 Apr 2006 4:36 pm Operator:
Sample : 56384-3,MSD Inst : Instr_C
Misc : 75,5.02,SOIL Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 29 15:38 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
83) Diisobutylketone	15.10	57	8193	0.53	ug/L	#	1
84) sec-butylbenzene	16.25	105	1405121	47.59	ug/L		98
85) p-isopropyltoluene	16.48	119	1123089	47.38	ug/L		99
86) 1,3-Dichlorobenzene	16.58	146	586465	45.87	ug/L		97
88) 1,4-Dichlorobenzene	16.75	146	606283	46.47	ug/L		98
89) n-butylbenzene	17.12	91	1031622	47.18	ug/L		99
90) 1,2-Dichlorobenzene	17.32	146	554709	46.06	ug/L		98
92) 1,2-Dibromo-3-chloropropan	18.57	75	56053	43.58	ug/L		90
94) 1,2,4-Trichlorobenzene	19.98	180	460533	44.53	ug/L		97
95) Hexachlorobutadiene	20.22	225	247555	46.84	ug/L		96
96) Naphthalene	20.36	128	857918	45.47	ug/L		100
97) 1,2,3-Trichlorobenzene	20.77	180	413863	44.11	ug/L		99

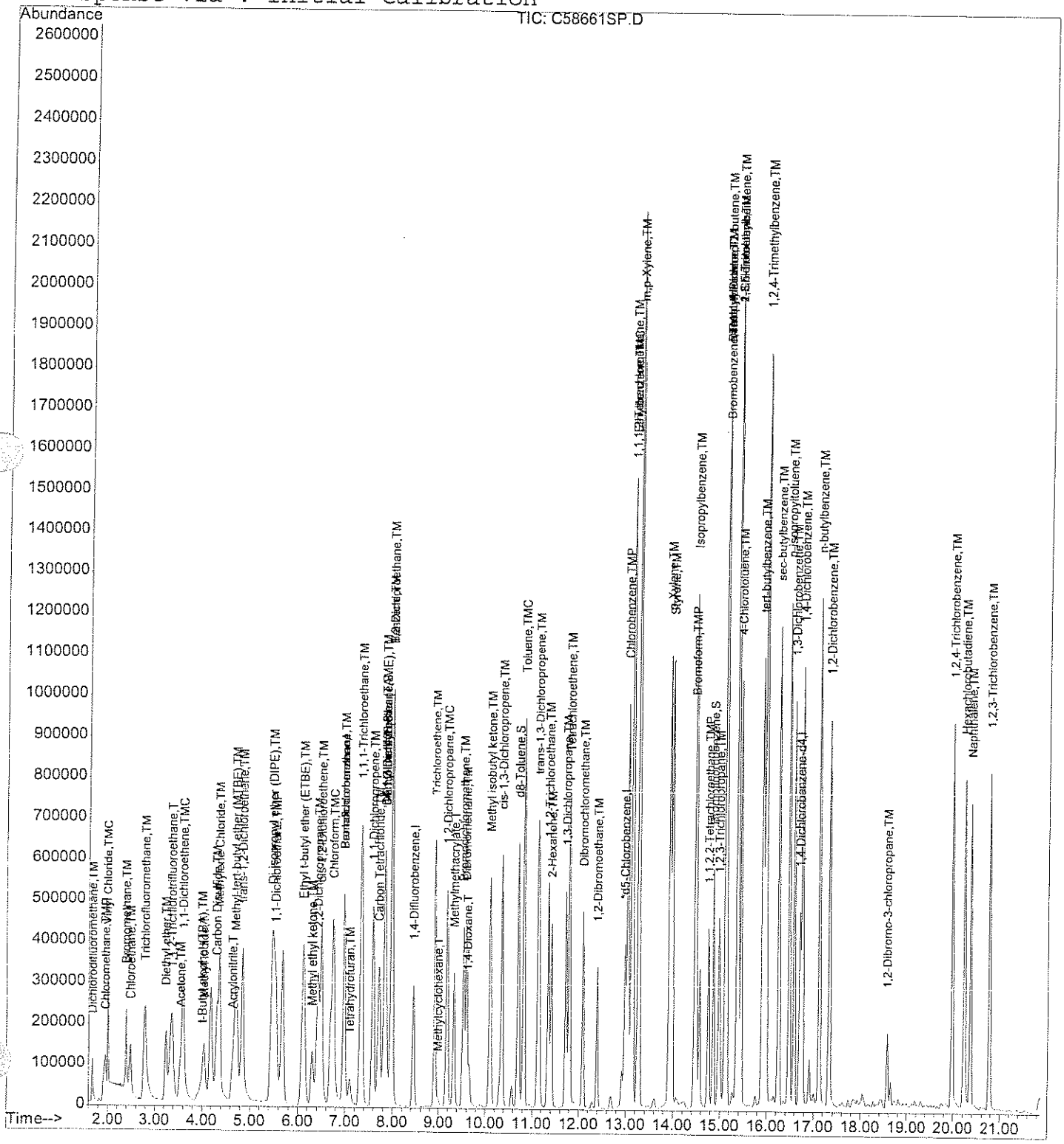
(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042806C\C58661SP.D
Acq On : 28 Apr 2006 4:36 pm
Sample : 56384-3,MSD
Misc : 75,5.02,SOIL
MS Integration Params: rteint.p
Quant Time: Apr 29 15:38 2006

Vial: 11
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration



analytics environmental laboratory LLC

VOLATILE ORGANIC

LABORATORY CONTROL SAMPLE/DUPLICATE

PERCENT RECOVERY

Project #:

Quote #:

SDG#: 56384

Site ID: Subbase New London Site 7

Location: CT

Instrument ID: C

GC Column: RTX-502.2

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Laboratory Control Sample/Duplicate Sample ID: LS05016C/LS05016C2

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE AMT (ug/kg)	MS CONC. (ug/kg)	MS REC %	#	MSD CONC. (ug/kg)	MSD REC %	#	RPD	#	QC LIMITS RPD	QC LIMITS % REC.
Dichlorodifluoromethane	2000	U	1008	50		988	49		2		25	49-82
Chloromethane	2000	U	1478	74	*	1538	77		4		25	75-125
Vinyl Chloride	2000	U	1424	71	*	1366	68	*	4		25	75-125
Bromomethane	2000	U	1933	97		2101	105		8		25	75-125
Chloroethane	2000	U	1538	77		1572	79		2		25	75-125
t-Butyl alcohol (TBA)	10000	U	6825	68		9821	98		36	*	25	60-140
Trichlorofluoromethane	2000	U	1650	83		1623	81		2		25	75-125
Diethyl ether	2000	U	1773	89		1735	87		2		25	75-125
Acetone	5000	U	5012	100		4771	95		5		25	75-125
1,1-Dichloroethene	2000	U	1876	94		1825	91		3		25	75-125
Di-isopropyl ether (DIPE)	2000	U	1888	94		1871	94		1		25	75-125
Methylene Chloride	2000	U	1832	92		1784	89		3		25	75-125
Carbon Disulfide	2000	U	2029	101		1929	96		5		25	75-125
Methyl-tert-butyl ether (MTBE)	2000	U	1953	98		1962	98		0		25	75-125
trans-1,2-Dichloroethene	2000	U	1917	96		1869	93		3		25	75-125
1,1-Dichloroethane	2000	U	1962	98		1850	93		6		25	75-125
Methyl ethyl ketone	5000	U	4699	94		4931	99		5		25	60-140
Ethyl t-butyl ether (ETBE)	2000	U	1964	98		1932	97		2		25	75-125
2,2-Dichloropropane	2000	U	1975	99		1916	96		3		25	75-125
cis-1,2-Dichloroethene	2000	U	1927	96		1887	94		2		25	75-125
t-Amyl methyl ether (TAME)	2000	U	1975	99		1960	98		1		25	75-125
Chloroform	2000	U	1927	96		1900	95		1		25	75-125
Bromochloromethane	2000	U	1910	96		2012	101		5		25	75-125
Tetrahydrofuran	2000	U	1843	92		1901	95		3		25	60-140
1,1,1-Trichloroethane	2000	U	1967	98		1897	95		4		25	75-125
1,1-Dichloropropene	2000	U	1926	96		1882	94		2		25	75-125
Carbon Tetrachloride	2000	U	2074	104		2017	101		3		25	75-125
1,2-Dichloroethane	2000	U	1968	98		1938	97		2		25	75-125
Benzene	2000	U	1883	94		1822	91		3		25	75-125
Trichloroethene	2000	U	1934	97		1904	95		2		25	75-125
1,2-Dichloropropane	2000	U	1901	95		1893	95		0		25	75-125
Bromodichloromethane	2000	U	1950	97		1980	99		2		25	75-125
Dibromomethane	2000	U	1987	99		2058	103		4		25	75-125
2-Hexanone	5000	U	5001	100		5185	104		4		25	75-125
Methyl isobutyl ketone	5000	U	4964	99		5252	105		6		25	75-125
cis-1,3-Dichloropropene	2000	U	1948	97		1955	98		0		25	75-125
Toluene	2000	U	1966	98		1927	96		2		25	75-125
trans-1,3-Dichloropropene	2000	U	1925	96		1968	98		2		25	75-125
1,1,2-Trichloroethane	2000	U	1900	95		1970	98		4		25	75-125
1,3-Dichloropropane	2000	U	1945	97		1966	98		1		25	75-125
Tetrachloroethene	2000	U	1936	97		1949	97		1		25	75-125
Dibromochloromethane	2000	U	2031	102		2085	104		3		25	75-125
1,2-Dibromoethane	2000	U	1958	98		2026	101		3		25	75-125
Chlorobenzene	2000	U	1959	98		1870	93		5		25	75-125
1,1,1,2-Tetrachloroethane	2000	U	1982	99		1979	99		0		25	75-125
Ethylbenzene	2000	U	1978	99		1951	98		1		25	75-125
m,p-Xylene	4000	U	3909	98		3819	95		2		25	75-125

analytics environmental laboratory LLC

VOLATILE ORGANIC

LABORATORY CONTROL SAMPLE/DUPLICATE

PERCENT RECOVERY

Project #:

Quote #:

SDG#: 56384

Site ID: Subbase New London Site 7

Location: CT

Instrument ID: C

GC Column: RTX-502.2

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Laboratory Control Sample/Duplicate Sample ID: LS05016C/LS05016C2

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE AMT (ug/kg)	MS CONC. (ug/kg)	MS REC %	#	MSD CONC. (ug/kg)	MSD REC %	#	RPD	#	QC LIMITS RPD	QC LIMITS % REC.
o-Xylene	2000	U	1988	99		1975	99		1		25	75-125
Styrene	2000	U	2017	101		1967	98		3		25	75-125
Bromoform	2000	U	2084	104		2069	103		1		25	75-125
Isopropylbenzene	2000	U	2009	100		1916	96		5		25	75-125
1,1,2,2-Tetrachloroethane	2000	U	1807	90		1853	93		3		25	75-125
1,2,3-Trichloropropane	2000	U	1820	91		1880	94		3		25	75-125
n-Propylbenzene	2000	U	2065	103		2005	100		3		25	75-125
Bromobenzene	2000	U	1986	99		1960	98		1		25	75-125
1,3,5-Trimethylbenzene	2000	U	1948	97		1938	97		1		25	75-125
2-Chlorotoluene	2000	U	1795	90		1790	90		0		25	75-125
4-Chlorotoluene	2000	U	1954	98		1949	97		0		25	75-125
tert-butylbenzene	2000	U	1895	95		1926	96		2		25	75-125
1,2,4-Trimethylbenzene	2000	U	1935	97		1932	97		0		25	75-125
sec-butylbenzene	2000	U	1960	98		1869	93		5		25	75-125
p-isopropyltoluene	2000	U	1981	99		1950	98		2		25	75-125
1,3-Dichlorobenzene	2000	U	1960	98		1979	99		1		25	75-125
1,4-Dichlorobenzene	2000	U	2027	101		2024	101		0		25	75-125
n-butylbenzene	2000	U	1950	98		1976	99		1		25	75-125
1,2-Dichlorobenzene	2000	U	2010	101		2036	102		1		25	75-125
1,2-Dibromo-3-chloropropane	2000	U	1779	89		1972	99		10		25	75-125
1,2,4-Trichlorobenzene	2000	U	2036	102		2015	101		1		25	75-125
Hexachlorobutadiene	2000	U	2054	103		2078	104		1		25	75-125
Naphthalene	2000	U	1837	92		1893	95		3		25	75-125
1,2,3-Trichlorobenzene	2000	U	1954	98		1958	98		0		25	75-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 1 out of 71 outside limits

Spike Recovery: 3 out of 142 outside limits

Comments: _____

_____

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\050106C\C58691Q.D
Acq On : 1 May 2006 10:18 am
Sample : LS05016C
Misc : 50,5.00,SOIL
Integration Params: rteint.p
Quant Time: May 1 10:31 2006

Vial: 14
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 5/2/06 5.3.06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.95	168	236870	20.00	ug/L	-0.07
39) 1,4-Difluorobenzene	8.43	114	380440	20.00	ug/L	-0.07
63) *d5-Chlorobenzene	12.97	117	339919	20.00	ug/L	-0.06
87) 1,4-Dichlorobenzene-d4	16.69	152	168689	20.00	ug/L	-0.05
System Monitoring Compounds						
28) DB Holder #28	7.82	65	162993	17.31	ug/L	-0.06
Spiked Amount 20.000	Range 70 - 130		Recovery = 86.55%			
36) d4-1,2-Dichloroethane	7.82	65	162993	17.31	ug/L	-0.06
Spiked Amount 20.000	Range 70 - 130		Recovery = 86.55%			
54) d8-Toluene	10.69	98	375191	17.62	ug/L	-0.06
Spiked Amount 20.000	Range 70 - 130		Recovery = 88.10%			
73) Bromofluorobenzene	14.84	95	154199	17.85	ug/L	-0.05
Spiked Amount 20.000	Range 70 - 130		Recovery = 89.25%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.67	85	80518	10.08	ug/L	99
3) Chloromethane	1.92	50	118491	14.78	ug/L	98
4) Vinyl Chloride	2.00	62	116798	14.24	ug/L	99
5) Bromomethane	2.42	94	82016	19.33	ug/L	100
6) Chloroethane	2.51	64	61792	15.38	ug/L	98
7) t-Butyl alcohol (TBA)	3.86	59	41967	68.25	ug/L	98
8) Trichlorofluoromethane	2.82	101	244348	16.50	ug/L	94
9) Diethyl ether	3.22	74	41339	17.73	ug/L	97
10) 1,1,2-Trichlorotrifluoroet	3.38	101	107090	18.52	ug/L	99
12) Acetone	3.50	43	103026	50.12	ug/L	99
13) 1,1-Dichloroethene	3.62	96	79008	18.76	ug/L	97
14) Methyl iodide	4.04	142	152352	23.28	ug/L	99
15) Di-isopropyl ether (DIPE)	5.44	45	392350	18.88	ug/L	100
16) Methylene Chloride	4.36	84	84159	18.32	ug/L	98
17) Carbon Disulfide	4.32	76	273911	20.29	ug/L	100
18) Acrylonitrile	4.59	53	37988	19.52	ug/L	98
19) Methyl-tert-butyl ether (M	4.68	73	310818	19.53	ug/L	99
20) trans-1,2-Dichloroethene	4.84	61	198497	19.17	ug/L	97
21) 1,1-Dichloroethane	5.53	63	231753	19.62	ug/L	100
23) Methyl ethyl ketone	6.27	72	23619	46.99	ug/L	92
24) Ethyl t-butyl ether (ETBE)	6.09	59	382364	19.64	ug/L	99
25) 2,2-Dichloropropane	6.41	77	179300	19.75	ug/L	98
26) cis-1,2-Dichloroethene	6.48	96	129390	19.27	ug/L	98
27) t-Amyl methyl ether (TAME)	7.82	73	268932	19.75	ug/L	100
29) Chloroform	6.73	83	214768	19.27	ug/L	94
30) Bromochloromethane	6.96	128	68004	19.10	ug/L	98

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\050106C\C58691Q.D
Acq On : 1 May 2006 10:18 am
Sample : LS05016C
Misc : 50,5.00,SOIL
Integration Params: rteint.p
Quant Time: May 1 10:31 2006

Vial: 14
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31) Tetrahydrofuran	7.07	71	10013	18.43 ug/L	84
32) 1,1,1-Trichloroethane	7.33	97	199465	19.67 ug/L	98
34) 1,1-Dichloropropene	7.57	75	155406	19.26 ug/L	98
35) Carbon Tetrachloride	7.71	119	173482	20.74 ug/L	97
37) 1,2-Dichloroethane	7.96	62	216563	19.68 ug/L	100
38) Benzene	7.97	78	361965	18.83 ug/L	98
40) Trichloroethene	8.90	95	129415	19.34 ug/L	99
41) 1,2-Dichloropropane	9.16	63	119712	19.01 ug/L	98
42) Methylmethacrylate	9.32	69	70716	18.14 ug/L	97
45) Bromodichloromethane	9.50	83	160430	19.50 ug/L	93
46) Dibromomethane	9.57	93	95592	19.87 ug/L	98
47) 1,4-Dioxane	9.58	88	14890	250.23 ug/L	90
51) 2-Hexanone	11.39	58	104901	50.01 ug/L	98
52) Methyl isobutyl ketone	10.08	58	107361	49.64 ug/L	99
53) cis-1,3-Dichloropropene	10.34	75	182428	19.48 ug/L	97
55) Toluene	10.81	92	248060	19.66 ug/L	98
56) trans-1,3-Dichloropropene	11.10	75	171600	19.25 ug/L	99
58) 1,1,2-Trichloroethane	11.33	83	78826	19.00 ug/L	96
59) 1,3-Dichloropropane	11.70	76	157758	19.45 ug/L	97
60) Tetrachloroethene	11.78	166	157101	19.36 ug/L	98
61) Dibromochloromethane	12.07	129	142044	20.31 ug/L	99
62) 1,2-Dibromoethane	12.37	107	137558	19.58 ug/L	94
64) Chlorobenzene	13.02	112	335640	19.59 ug/L	97
65) 1,1,1,2-Tetrachloroethane	13.10	131	120431	19.82 ug/L	95
66) Ethylbenzene	13.12	91	489919	19.78 ug/L	99
67) m,p-Xylene	13.24	106	388087	39.09 ug/L	99
68) o-Xylene	13.90	106	191045	19.88 ug/L	93
69) Styrene	13.96	104	340796	20.17 ug/L	99
70) Bromoform	14.44	173	109919	20.84 ug/L	99
71) Isopropylbenzene	14.47	105	512323	20.09 ug/L	100
72) 1,1,2,2-Tetrachloroethane	14.73	83	120460	18.07 ug/L	99
74) 1,2,3-Trichloropropane	14.96	75	90131	18.20 ug/L	99
75) trans-1,4-Dichloro-2-buten	15.09	89	41362	20.05 ug/L #	75
76) n-Propylbenzene	15.10	91	589703	20.65 ug/L	99
77) Bromobenzene	15.13	156	145868	19.86 ug/L	97
78) 1,3,5-Trimethylbenzene	15.35	105	409997	19.48 ug/L	100
79) 2-Chlorotoluene	15.42	91	353126	17.95 ug/L	95
80) 4-Chlorotoluene	15.42	91	353126	19.54 ug/L	98
81) tert-butylbenzene	15.89	119	352511	18.95 ug/L	97
82) 1,2,4-Trimethylbenzene	15.95	105	414165	19.35 ug/L	99
83) Diisobutylketone	15.10	57	11413	0.76 ug/L #	10

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\050106C\C58691Q.D Vial: 14
Acq On : 1 May 2006 10:18 am Operator:
Sample : LS05016C Inst : Instr_C
Misc : 50,5.00,SOIL Multiplr: 1.00
IS Integration Params: rteint.p
Quant Time: May 1 10:31 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
84)	sec-butylbenzene	16.23	105	561610	19.60	ug/L		97
85)	p-isopropyltoluene	16.46	119	455671	19.81	ug/L		98
86)	1,3-Dichlorobenzene	16.56	146	243225	19.60	ug/L		97
88)	1,4-Dichlorobenzene	16.74	146	255534	20.27	ug/L		99
89)	n-butylbenzene	17.11	91	411887	19.50	ug/L		98
90)	1,2-Dichlorobenzene	17.30	146	233899	20.10	ug/L		98
92)	1,2-Dibromo-3-chloropropan	18.55	75	22107	17.79	ug/L	#	83
94)	1,2,4-Trichlorobenzene	19.96	180	203448	20.36	ug/L		99
95)	Hexachlorobutadiene	20.21	225	104868	20.54	ug/L		99
96)	Naphthalene	20.34	128	334767	18.37	ug/L		100
97)	1,2,3-Trichlorobenzene	20.76	180	177125	19.54	ug/L		100

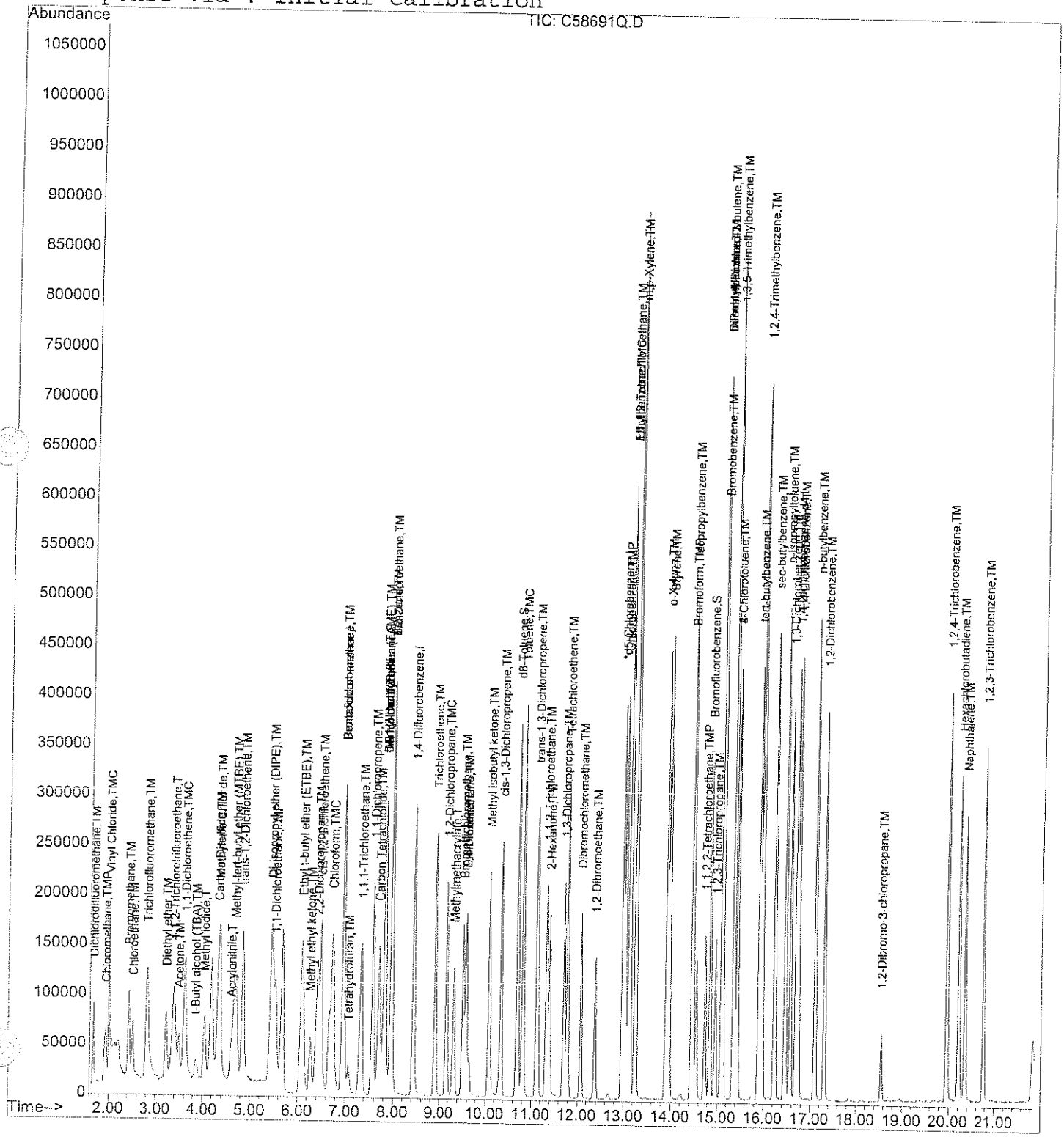
(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\050106C\C58691Q.D
Acq On : 1 May 2006 10:18 am
Sample : LS05016C
Misc : 50,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: May 1 10:31 2006

Vial: 14
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration



Data File : D:\HPCHEM\1\DATA\050106C\C58692Q.D
Acq On : 1 May 2006 10:59 am
Sample : LS05016C2
Misc : 50,5.00,SOIL
Integration Params: rteint.p
Quant Time: May 1 11:05 2006

Vial: 15
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 5/2/06

5-3-06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.94	168	238766	20.00	ug/L	-0.07
39) 1,4-Difluorobenzene	8.43	114	371564	20.00	ug/L	-0.06
63) *d5-Chlorobenzene	12.96	117	341958	20.00	ug/L	-0.06
87) 1,4-Dichlorobenzene-d4	16.69	152	167334	20.00	ug/L	-0.05
System Monitoring Compounds						
28) DB Holder #28	7.81	65	155964	16.44	ug/L	-0.06
Spiked Amount 20.000	Range 70 - 130		Recovery = 82.20%			
36) d4-1,2-Dichloroethane	7.81	65	155964	16.44	ug/L	-0.06
Spiked Amount 20.000	Range 70 - 130		Recovery = 82.20%			
54) d8-Toluene	10.69	98	359789	17.30	ug/L	-0.05
Spiked Amount 20.000	Range 70 - 130		Recovery = 86.50%			
73) Bromofluorobenzene	14.84	95	144913	16.68	ug/L	-0.05
Spiked Amount 20.000	Range 70 - 130		Recovery = 83.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.67	85	79566	9.88	ug/L	98
3) Chloromethane	1.93	50	124275	15.38	ug/L	96
4) Vinyl Chloride	1.99	62	112864	13.66	ug/L	98
5) Bromomethane	2.40	94	89887	21.01	ug/L	98
6) Chloroethane	2.49	64	63674	15.72	ug/L	98
7) t-Butyl alcohol (TBA)	3.93	59	60877	98.21	ug/L	99
8) Trichlorofluoromethane	2.79	101	242242	16.23	ug/L	99
9) Diethyl ether	3.23	74	40784	17.35	ug/L	99
10) 1,1,2-Trichlorotrifluoroet	3.36	101	104412	17.92	ug/L	99
12) Acetone	3.51	43	98856	47.71	ug/L	99
13) 1,1-Dichloroethene	3.59	96	77470	18.25	ug/L	95
14) Methyl iodide	4.04	142	161888	24.54	ug/L	98
15) Di-isopropyl ether (DIPE)	5.46	45	391962	18.71	ug/L	100
16) Methylene Chloride	4.35	84	82583	17.84	ug/L	94
17) Carbon Disulfide	4.29	76	262419m	19.29	ug/L	
18) Acrylonitrile	4.61	53	39028	19.89	ug/L	99
19) Methyl-tert-butyl ether (M	4.69	73	314703	19.62	ug/L	99
20) trans-1,2-Dichloroethene	4.82	61	195080	18.69	ug/L	93
21) 1,1-Dichloroethane	5.52	63	220349	18.50	ug/L	99
23) Methyl ethyl ketone	6.27	72	24980	49.31	ug/L	98
24) Ethyl t-butyl ether (ETBE)	6.10	59	379044	19.32	ug/L	100
25) 2,2-Dichloropropane	6.40	77	175356	19.16	ug/L	98
26) cis-1,2-Dichloroethene	6.47	96	127678	18.87	ug/L	94
27) t-Amyl methyl ether (TAME)	7.82	73	268979	19.60	ug/L	99
29) Chloroform	6.73	83	213505	19.00	ug/L	92
30) Bromochloromethane	6.96	128	72213	20.12	ug/L	96

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\050106C\C58692Q.D
Acq On : 1 May 2006 10:59 am
Sample : LS05016C2
Misc : 50,5.00,SOIL
Integration Params: rteint.p
Quant Time: May 1 11:05 2006

Vial: 15
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31) Tetrahydrofuran	7.07	71	10412	19.01 ug/L	81
32) 1,1,1-Trichloroethane	7.32	97	193890	18.97 ug/L	97
34) 1,1-Dichloropropene	7.57	75	153104	18.82 ug/L	98
35) Carbon Tetrachloride	7.69	119	170101	20.17 ug/L	99
37) 1,2-Dichloroethane	7.95	62	214891	19.38 ug/L	100
38) Benzene	7.96	78	353042	18.22 ug/L	100
40) Trichloroethene	8.90	95	124431	19.04 ug/L	98
41) 1,2-Dichloropropane	9.16	63	116424	18.93 ug/L	99
42) Methylmethacrylate	9.32	69	68098	17.88 ug/L	93
45) Bromodichloromethane	9.51	83	159128	19.80 ug/L	96
46) Dibromomethane	9.57	93	96693	20.58 ug/L	94
47) 1,4-Dioxane	9.60	88	28652	493.00 ug/L	97
51) 2-Hexanone	11.39	58	106207	51.85 ug/L	99
52) Methyl isobutyl ketone	10.08	58	110928	52.52 ug/L	99
53) cis-1,3-Dichloropropene	10.35	75	178847	19.55 ug/L	99
55) Toluene	10.81	92	237468	19.27 ug/L	99
56) trans-1,3-Dichloropropene	11.11	75	171316	19.68 ug/L	97
58) 1,1,2-Trichloroethane	11.32	83	79819	19.70 ug/L	97
59) 1,3-Dichloropropane	11.71	76	155747	19.66 ug/L	97
60) Tetrachloroethene	11.79	166	154493	19.49 ug/L	99
61) Dibromochloromethane	12.07	129	142421	20.85 ug/L	98
62) 1,2-Dibromoethane	12.37	107	139027	20.26 ug/L	98
64) Chlorobenzene	13.02	112	322297	18.70 ug/L	99
65) 1,1,1,2-Tetrachloroethane	13.10	131	121013	19.79 ug/L	98
66) Ethylbenzene	13.12	91	486021	19.51 ug/L	98
67) m,p-Xylene	13.25	106	381413	38.19 ug/L	99
68) o-Xylene	13.91	106	190897	19.75 ug/L	99
69) Styrene	13.96	104	334292	19.67 ug/L	99
70) Bromoform	14.44	173	109753	20.69 ug/L	95
71) Isopropylbenzene	14.47	105	491431	19.16 ug/L	98
72) 1,1,2,2-Tetrachloroethane	14.73	83	124258	18.53 ug/L	99
74) 1,2,3-Trichloropropane	14.96	75	93691	18.80 ug/L	96
75) trans-1,4-Dichloro-2-buten	15.09	89	42037	20.26 ug/L #	75
76) n-Propylbenzene	15.09	91	575739	20.05 ug/L	98
77) Bromobenzene	15.12	156	144841	19.60 ug/L	94
78) 1,3,5-Trimethylbenzene	15.35	105	410158	19.38 ug/L	100
79) 2-Chlorotoluene	15.42	91	354335	17.90 ug/L	91
80) 4-Chlorotoluene	15.42	91	354335	19.49 ug/L	97
81) tert-butylbenzene	15.90	119	360380	19.26 ug/L	99
82) 1,2,4-Trimethylbenzene	15.96	105	416015	19.32 ug/L	100
84) sec-butylbenzene	16.23	105	538792	18.69 ug/L	97

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\050106C\C58692Q.D
Acq On : 1 May 2006 10:59 am
Sample : LS05016C2
Misc : 50,5.00,SOIL
Integration Params: rteint.p
Quant Time: May 1 11:05 2006

Vial: 15
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
85) p-isopropyltoluene	16.46	119	451340	19.50	ug/L	97
86) 1,3-Dichlorobenzene	16.57	146	247075	19.79	ug/L	98
88) 1,4-Dichlorobenzene	16.74	146	253044	20.24	ug/L	99
89) n-butylbenzene	17.10	91	414077	19.76	ug/L	100
90) 1,2-Dichlorobenzene	17.31	146	234912	20.36	ug/L	98
92) 1,2-Dibromo-3-chloropropan	18.55	75	24301	19.72	ug/L	94
94) 1,2,4-Trichlorobenzene	19.96	180	199653	20.15	ug/L	95
95) Hexachlorobutadiene	20.21	225	105271	20.78	ug/L	99
96) Naphthalene	20.35	128	342233	18.93	ug/L	100
97) 1,2,3-Trichlorobenzene	20.76	180	176090	19.58	ug/L	94

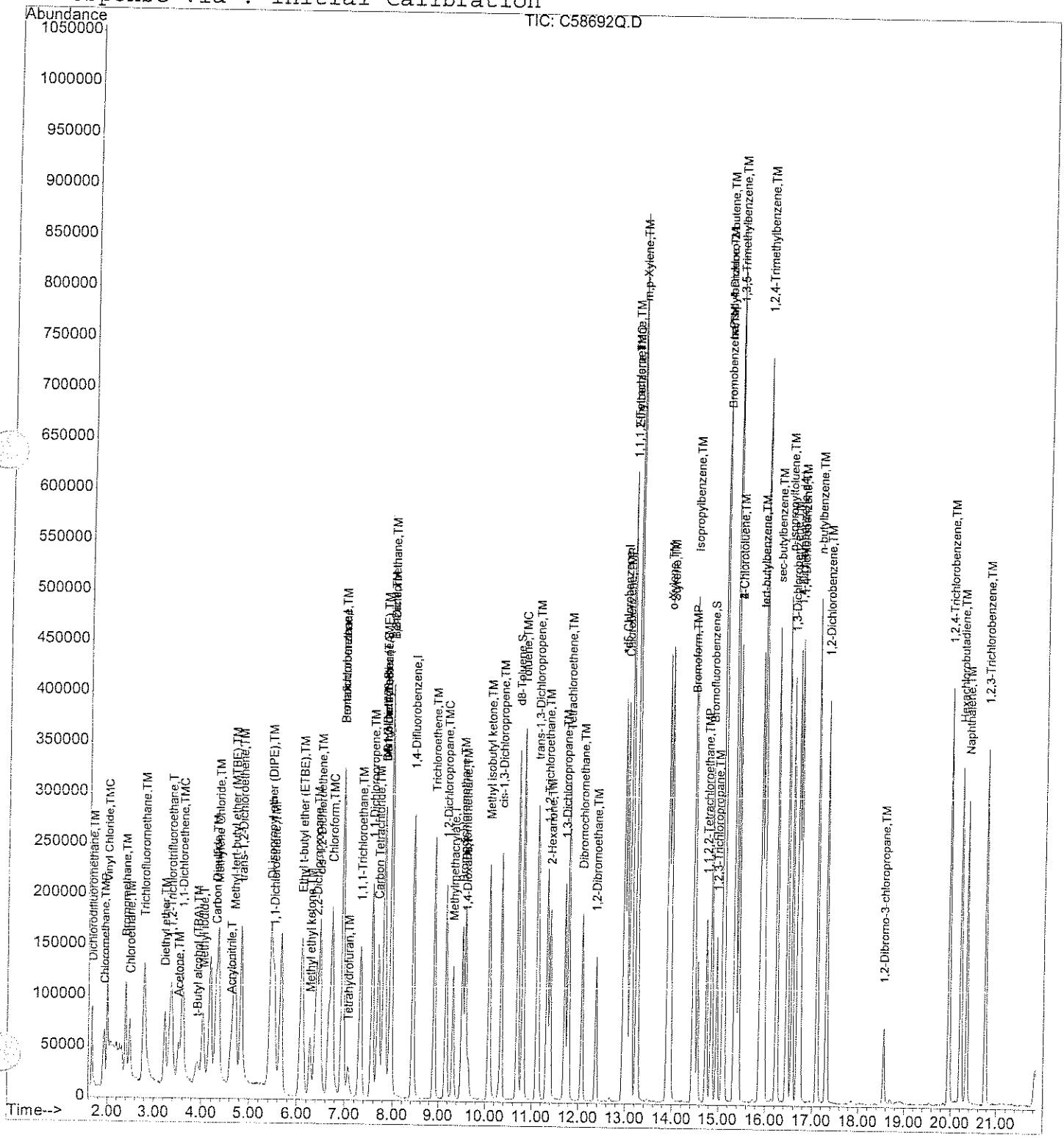
(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\050106C\C58692Q.D
Acq On : 1 May 2006 10:59 am
Sample : LS05016C2
Misc : 50,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: May 1 11:05 2006

Vial: 15
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration



Quantitation Report (Qedit)

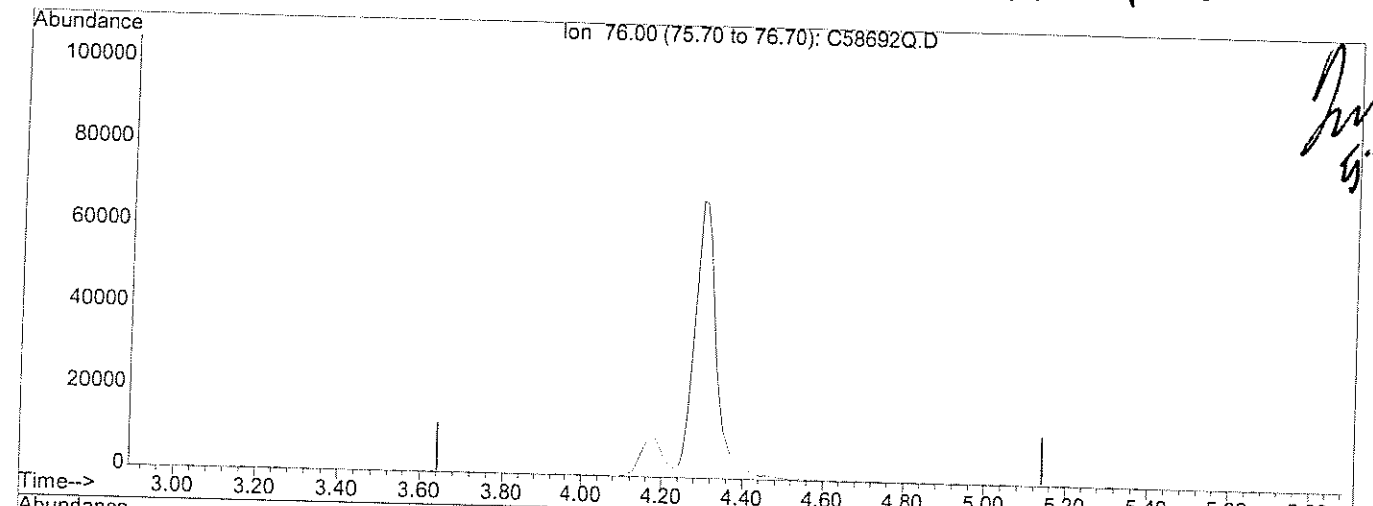
Data File : D:\HPCHEM\1\DATA\050106C\C58692Q.D
Acq On : 1 May 2006 10:59 am
Sample : LS05016C2
Misc : 50,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: May 1 11:05 2006

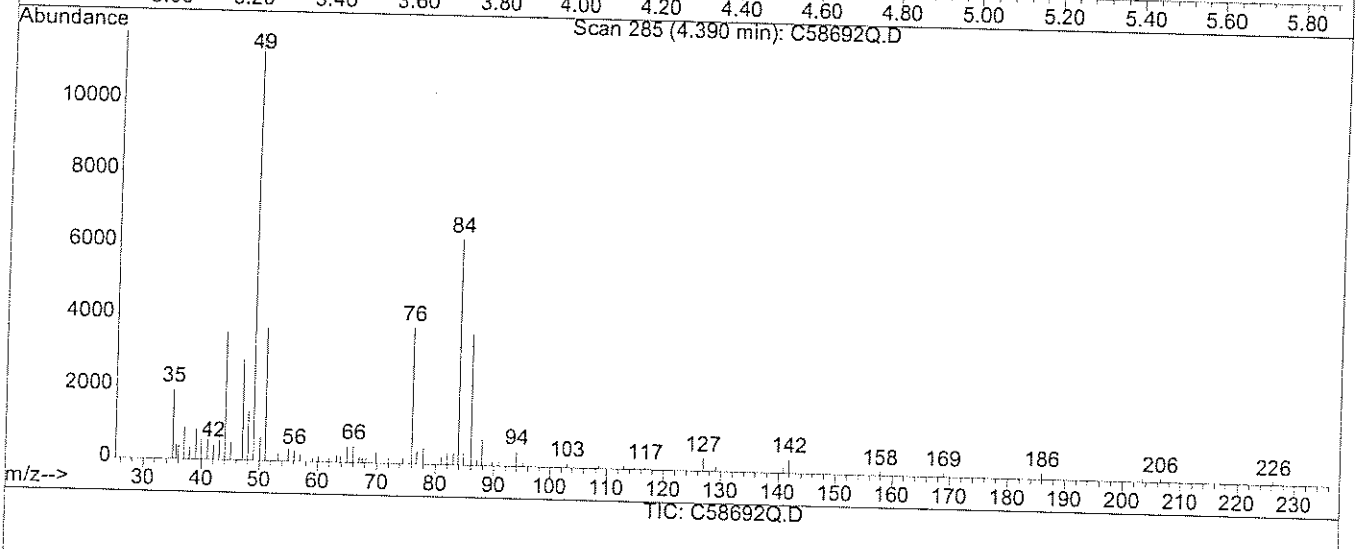
Vial: 15
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Multiple Level Calibration

MT 5/2/06
missed peak





(17) Carbon Disulfide (TM)

4.39min 0.00ug/L

response 0

Ion	Exp%	Act%
76.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

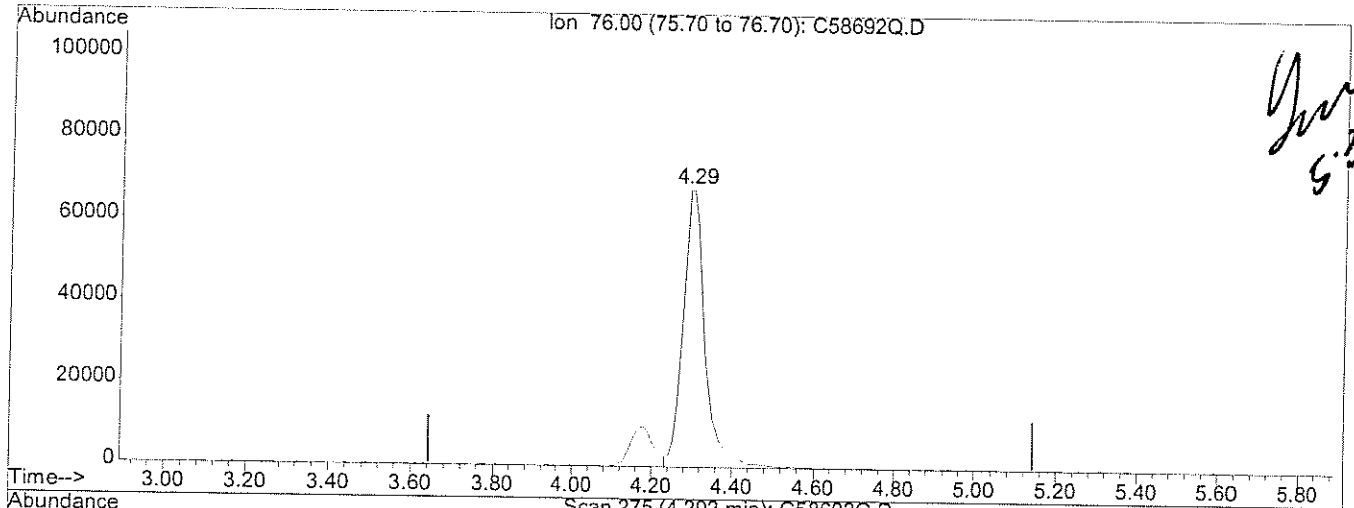
Data File : D:\HPCHEM\1\DATA\050106C\C58692Q.D
Acq On : 1 May 2006 10:59 am
Sample : LS05016C2
Misc : 50,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: May 1 11:05 2006

Vial: 15
Operator:
Inst : Instr_C
Multiplr: 1.00

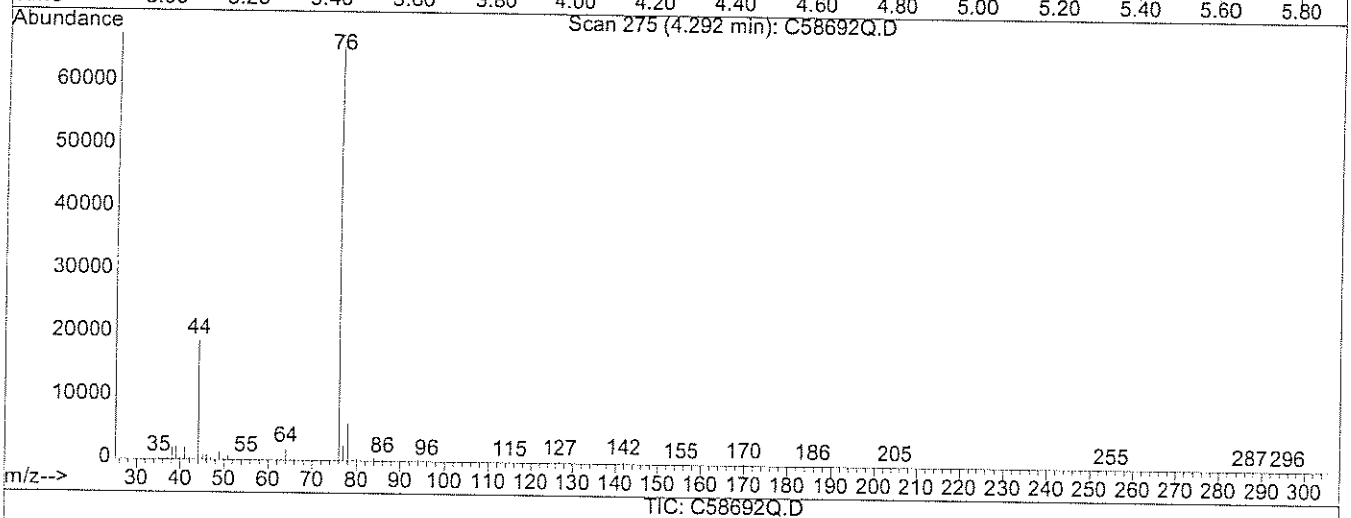
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Multiple Level Calibration

MT 5/2/06



5.3.06



TIC: C58692Q.D

(17) Carbon Disulfide (TM)

4.29min 19.29ug/L m

response 262419

Ion	Exp%	Act%
76.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

GC/MS Volatiles Instrument: C

SS only V5959 Exp: 5/1/06
IS only V5960 Exp: 5/1/06
SS+IS V5957 Exp: 4/28/06

Voltage 1906

Threshold 100

041706-C

Tube	Method	Sample	Vol	DF	Comments	File #	LB	pH
		W-C-041706-1-MT						
1	V804176C	BFB 50ng 2ul V5942	5mL		✓	C5835T	MT	NA
2		0.2 ppb .05ul V5954 V5949				53si		
3		1 ppb .25ul			✓	54si		
4		2 ppb .50ul			for chromatography - RR	55si		
5		5 ppb 1.25ul			✓ %RSD	56si		
6		20 ppb 5ul			✓ AVG 1.88%	57si		
7		50 ppb 12.5ul			✓	58si		
8		100 ppb 25ul			✓	59si		
9		Blank				60		
10		2 ppb .50ul V5954 V5949			✓	61si		
11		L804176C 5ul V5955 V5938			✓BM ↑	62Q		
12		L804176C2			✓BM still ↑	63Q		
13		Bromoform 5ul V5943			✓	64		
14		B804176C			✓	65B		
15		56232-12			✓	66		<2
16		56240-5			✓	67		<2
1		-1			✓	68		<2
2		-2			✓	69		<2
3		-3			✓	70		<2
4		-3, MS			✓ All ok	71sp		<2
5		-3, MSD			✓	72sp		<2
6		-4	1mL		~~✓ RR 5mL~~	73		<2
8	W-C-041706-2-AMC	BFB 50ng 2ul V5942	5mL		✓	74T	AMC	NA
9		20 ppb 5ul V5954 V5949			✓	75C		
10		B804176C2			✓	76B		
11		L804176C3			Many high failures	77Q		
12		L804176C4			↑ monomethone + ↑ Acrolein	78Q		
13		56242-10			✓	79		<2
14		-11			✓	80		<2
K		-12			✓	81		<2

Revision: 04/30/02

GC/MS Volatiles Instrument: C

IS only V5960 Exp: 5/1/00
SS+IS V5957 Exp: 4/28/00
Voltage 1900
Threshold 100

042606-C

Tube	Method	Sample	Vol	DF	Comments	File #	LB	pH
		W-C-042606-1-MT						
15	V8042606C	BFB 50ng 2ul V5942	5ml		√	C5856.D	MT	NA
16		20 ppb 5ml V5962 V5949	⊥		√	635		
1		LS042606C	50ul/5ml		√ VC Mang	642		
2		LS042606C2	⊥		√	650		
3		Bromoform 5ml V5943	5ml		√	66		
4		MB042606C	150ul/5ml		√	67B		
5		56346-8	75ul/5ml		√ T.P.	68		
6		-2			√ 7.38	69		
7		-3			√ 6.71	70		
8		-4			√ 6.47	71		
9		-5			√ 7.03	72		
10		-6			√ 5.90	73		
11		-7	⊥		√ 6.02	74		
12		~~8~~ 56330-3	10ul/5ml		RR 50ul 5.34	75		
13		-4			6.04	76		
14		-5			3.90	77		
15		-6			4.99	78		
16		-7			6.56	79		
1		-30			3.55	80		
2		-32			5.03	81		
3		-33			5.13	82		
4		-36			4.89	83		
5	W-C 042606-2-MLE-2MP	BFB 50ng V5942	5ml		✓	84T	ALR	N/A
6		20 ppb 5ml V5962 V5949			✓	85C		
7		BS042606 2			✓	86B		
8		LS042606 3			✓ 1 DCDFM + 1 Bromomethane ↓ methylene chloride	87Q		
9		LS042606 4			✓ 1 DCDFM + 1 Bromomethane	88Q		
10		56331-5			✓ T.B	89		12
11	56333-5	~~56333-5~~ 56335			✓ T.B	90		12
12		56340-3			✓ T.B	91		12

Revision: 04/30/02

GC/MS Volatiles Instrument: C

IS only V5960 Exp: 5/1/06

SS+IS V5957 Exp: 4/28/06

042806-C

Voltage 1900

Threshold 100

Tube	Method	Sample	Vol	DF	Comments	File #	LB	pH
		U-C-042806-1-MT						
1	V8041706C	BFB 50ng 2ul V5977	5ml		✓	C58651T	MT	NA
2		20 ppb 5ul V5979 V5984			✓	52		
3		L8042806C 5ul V5980 V5969			✓ w/50ul MeOH	53		
4		Bromoform 5ul V5978			✓	54		
5		B8042806C			✓ w/50ul MeOH	55		
6		56384-4	75ml 5ml		✓ T.B.	56		
7		-1			✓ 6.58	57		
8		-2			✓ 6.41	58		
9		-3			✓ RR 50ul 5.85	59		
10		-3, MS			All MSD recoveries fail; All RPDs fail 6.65	60SP		
11		-3, MSD			MS was DCBFM, VC ↓; All else OK 5.02	61SP		
12		56384-1	50ml 5ml		RR 5ul 5.41	62		
13		56351-1	5ml 5ml		RR 50ul 4.35	63		
14		56330-7	50ml 5ml		✓ 6.56	64		
15		-32			✓ 5.03	65		
16		-4			✓ 6.04	66		
1		-6			✓ 4.99	67		
2		-3			✓ 5.34	68		
3		-5			✓ 3.90	69		
4		-30			✓ 3.55	70		
5		-33			✓ 5.13	71		
6		-36			✓ 4.89	72		

MT 4/29/06

Revision: 04/30/02

GC/MS Volatiles Instrument: C

IS only V5989 Exp: 5/13/06

SS+IS V5990 Exp: 5/13/06

Voltage 1906

Threshold 100

050106-C

Tube	Method	Sample	Vol	DF	Comments	File #	LB	pH
		w-C-050106-1-NT						
12	V8041706	BFB 50ng 2ul V5977	5mL		✓	C58689T	NT	NA
13		20 ppb 5ul V5979 V5984	⊥		✓	905C		
14		LS050106C	50ul/5mL		✓ Diamond 5.00	912		
15		LS050106C2	⊥		✓ All QC ⊥	92		
16		Bromoform 5ul 5978	5mL		✓	93		
1		MB050106C	50ul/5mL		✓ 5.00	94B		
2		56352-3			✓ T.B.	95		
3		56384-3, DL			✓ 5.85	96		
4		56363-1			RR5mL - Acetone 25mL F.V. 8.07	97		
5		56377-2			✓ 5.43	98		
6		-3			✓ 6.9	99		
7		-5			✓ 5.36	C58700		
8		-6			✓ 10.47	01		
9		-14			RR 50ul 5.67	02		
10		56351-1			RR 50ul 4.35	03		
11		56364-1	5ul/5mL		RR 50ul 5.08	04		
12		56372-2	50ul/5mL		RR 50ul 4.71	05		
13		56352-1	⊥		✓ 6.18	06		
14		56334-1	5ul/5mL		✓ 5.41	07		

NT 5/2/06

Revision: 04/30/02

analytics environmental laboratory LLC

VOLATILE ORGAN
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Project #:

Quote #:

SDG#: 56384

BFB File ID: C58352T.D

Site ID: Subbase Groton Site 7

Location: CT

Instrument ID: C

BFB Injection Date: 4/17/06

GC Column: RTX-502.2

ID: 0.25(mm)

BFB Injection Time: 1130

Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	25.5
75	30.0 - 60.0% of mass 95	52.3
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.0 (0.2)1
174	Greater than 50% of m	96.5
175	5.0 - 9.0% of mass 174	7.6 (7.9)1
176	>95.0 - <101.0% of mass 174	92.7 (96.1)1
177	5.0 - 9.0% of mass 176	6.0 (6.5)2

1-Value is % mass 174 2-Value is % mass 176

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

	SAMPLE NO.	LAB SAMPLE	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	0.2 PPB	0.2 PPB	C58353SI.D	04/17/06	11:56
02	1 PPB	1 PPB	C58354SI.D	04/17/06	12:21
03	ZZZZZ	ZZZZZ	C58355SI.D	04/17/06	12:56
04	5 PPB	5 PPB	C58356SI.D	04/17/06	13:11
05	20 PPB	20 PPB	C58357SI.D	04/17/06	13:44
06	50 PPB	50 PPB	C58358SI.D	04/17/06	14:24
07	100 PPB	100 PPB	C58359SI.D	04/17/06	14:24
08	ZZZZZ	ZZZZZ	C58360.D	04/17/06	15:20
09	2 PPB	2 PPB	C58361SI.D	04/17/06	15:34
10	ZZZZZ	ZZZZZ	C58362Q.D	04/17/06	16:15
11	ZZZZZ	ZZZZZ	C58363Q.D	04/17/06	16:22
12	ZZZZZ	ZZZZZ	C58364.D	04/17/06	16:55
13	ZZZZZ	ZZZZZ	C58365B.D	04/17/06	17:32
14	ZZZZZ	ZZZZZ	C58366.D	04/17/06	18:05
15	ZZZZZ	ZZZZZ	C58367.D	04/17/06	18:38
16	ZZZZZ	ZZZZZ	C58368.D	04/17/06	18:41
17	ZZZZZ	ZZZZZ	C58369.D	04/17/06	19:14
18	ZZZZZ	ZZZZZ	C58370.D	04/17/06	19:50
19	ZZZZZ	ZZZZZ	C58371SP.D	04/17/06	20:33
20	ZZZZZ	ZZZZZ	C58372SP.D	04/17/06	21:06
21	ZZZZZ	ZZZZZ	C58373.D	04/17/06	21:06
22					
23					
24					

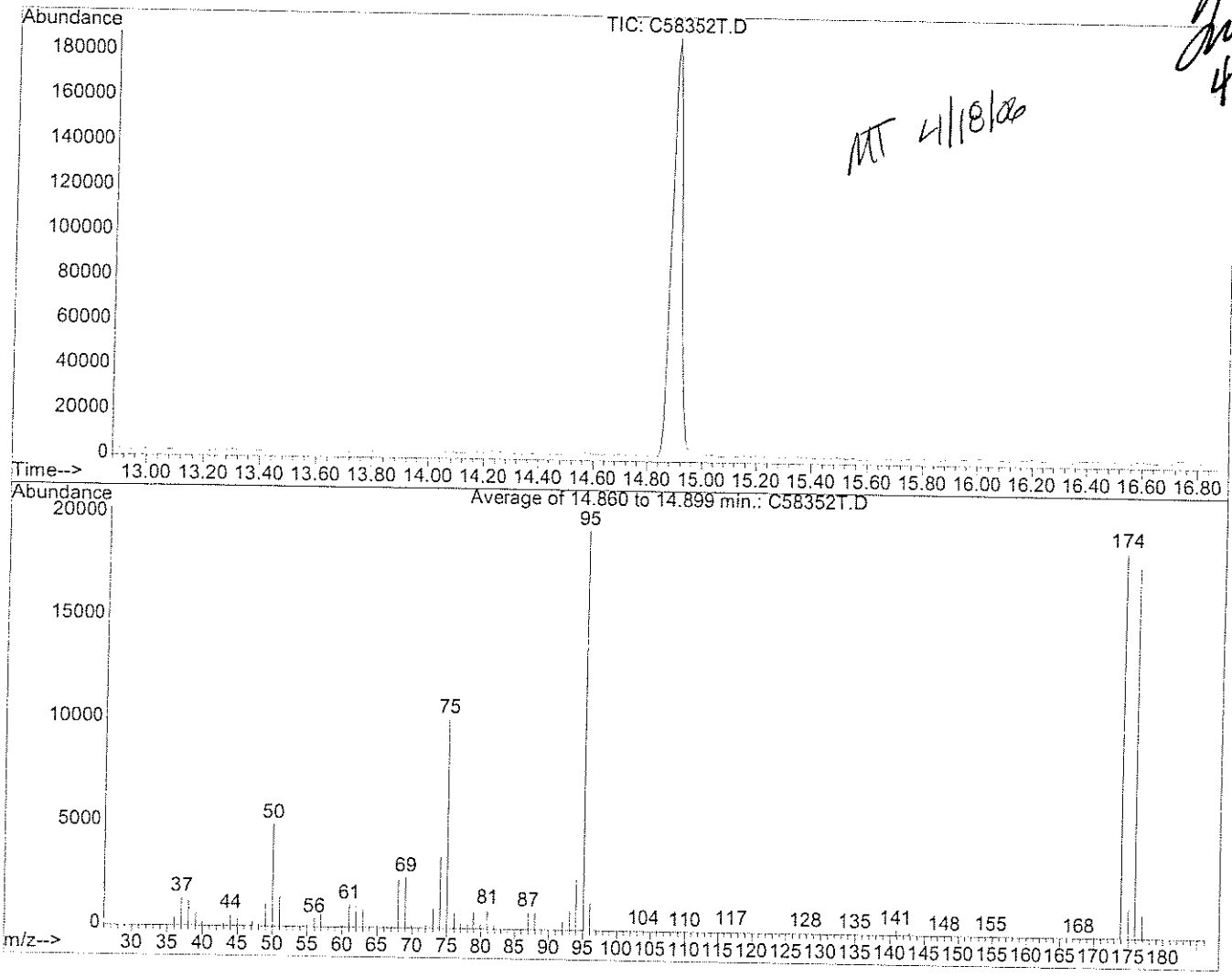
BFB

Data File : D:\HPCHEM\1\DATA\041706C\C58352T.D
Acq On : 17 Apr 2006 11:30 am
Sample : BFB 50NG
Misc : 5000
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics

Vial: 1
Operator:
Inst : Instr_C
Multiplr: 1.00

4-18-06

MT 4/18/06



Spectrum Information: Average of 14.860 to 14.899 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.5	4956	PASS
75	95	30	60	52.3	10150	PASS
95	95	100	100	100.0	19399	PASS
96	95	5	9	7.1	1368	PASS
173	174	0.00	2	0.2	32	PASS
174	95	50	100	96.5	18721	PASS
175	174	5	9	7.9	1470	PASS
176	174	95	101	96.1	17992	PASS
177	176	5	9	6.5	1173	PASS

C58352T.D V804176C.M Mon Apr 17 13:51:21 2006

analytics environmental laboratory LLC

VOLATILE ORGAN
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Project #:

Quote #:

SDG#: 56384

BFB File ID: C58562T.D

Site ID: Subbase New London Site 7

Location: CT

Instrument ID: C

BFB Injection Date: 4/26/06

GC Column: RTX-502.2

ID: 0.25(mm)

BFB Injection Time: 0940

Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	27.5
75	30.0 - 60.0% of mass 95	50.1
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.5
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50% of m	82.0
175	5.0 - 9.0% of mass 174	6.5 (7.9)1
176	>95.0 - <101.0% of mass 174	78.3 (95.4)1
177	5.0 - 9.0% of mass 176	6.0 (7.7)2

1-Value is % mass 174 2-Value is % mass 176

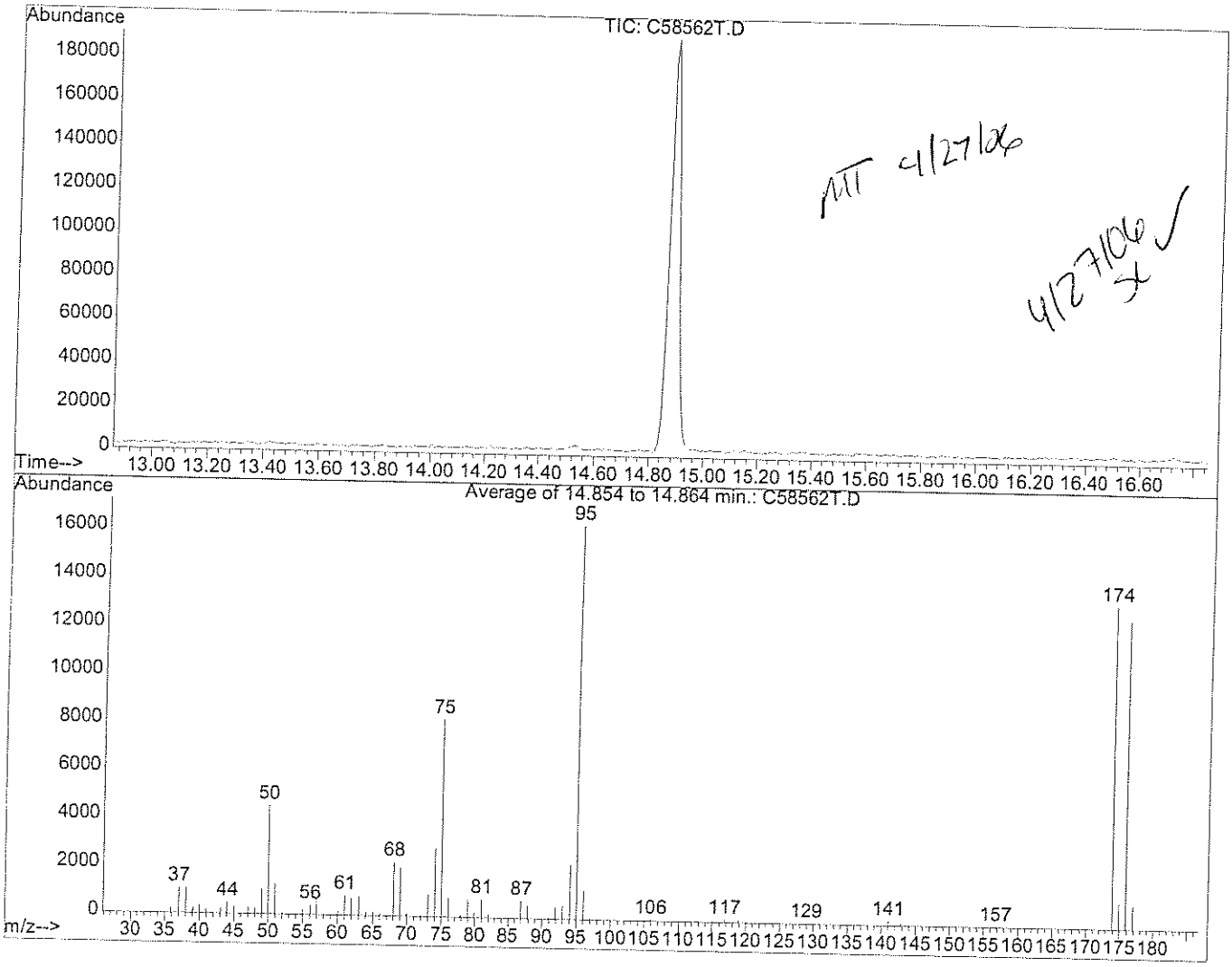
This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

	SAMPLE NO.	LAB SAMPLE	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	20 PPB	20 PPB	C58563SC.D	04/26/06	10:13
02	LS04266C	LS04266C	C58564Q.D	04/26/06	10:28
03	LS04266C2	LS04266C2	C58565Q.D	04/26/06	11:02
04	ZZZZZ	ZZZZZ	C58566.D	04/26/06	11:38
05	MB04266C	MB04266C	C58567B.D	04/26/06	11:47
06	ZZZZZ	ZZZZZ	C58568.D	04/26/06	12:28
07	ZZZZZ	ZZZZZ	C58569.D	04/26/06	13:01
08	ZZZZZ	ZZZZZ	C58570.D	04/26/06	13:19
09	ZZZZZ	ZZZZZ	C58571.D	04/26/06	13:53
10	ZZZZZ	ZZZZZ	C58572.D	04/26/06	14:31
11	ZZZZZ	ZZZZZ	C58573.D	04/26/06	15:07
12	ZZZZZ	ZZZZZ	C58574.D	04/26/06	15:07
13	ZZZZZ	ZZZZZ	C58575.D	04/26/06	16:21
14	ZZZZZ	ZZZZZ	C58576.D	04/26/06	16:21
15	ZZZZZ	ZZZZZ	C58577.D	04/26/06	16:54
16	ZZZZZ	ZZZZZ	C58578.D	04/26/06	17:27
17	ZZZZZ	ZZZZZ	C58579.D	04/26/06	18:00
18	ZZZZZ	ZZZZZ	C58580.D	04/26/06	18:28
19	ZZZZZ	ZZZZZ	C58581.D	04/26/06	19:02
20	ZZZZZ	ZZZZZ	C58582.D	04/26/06	19:35
21	ZZZZZ	ZZZZZ	C58583.D	04/26/06	20:11
22					
23					
24					

BFB

Data File : D:\HPCHEM\1\DATA\042606C\C58562T.D
Acq On : 26 Apr 2006 9:40 am
Sample : BFB 50NG
Misc : 5000
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics

Vial: 15
Operator:
Inst : Instr_C
Multiplr: 1.00



MT 4/27/06
4/27/06 ✓

Spectrum Information: Average of 14.854 to 14.864 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	27.5	4515	PASS
75	95	30	60	50.1	8218	PASS
95	95	100	100	100.0	16397	PASS
96	95	5	9	7.5	1226	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	82.0	13447	PASS
175	174	5	9	7.9	1069	PASS
176	174	95	101	95.4	12831	PASS
177	176	5	9	7.7	986	PASS

C58562T.D V804176C.M Wed Apr 26 09:55:29 2006

analytics environmental laboratory LLC

VOLATILE ORGAN
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Project #:

Quote #:

SDG#: 56384

BFB File ID: C58651T.D

Site ID: Subbase New London Site 7

Location: CT

Instrument ID: C

BFB Injection Date: 4/28/06

GC Column: RTX-502.2

ID: 0.25(mm)

BFB Injection Time: 1153

Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.3
75	30.0 - 60.0% of mass 95	50.7
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50% of m	84.6
175	5.0 - 9.0% of mass 174	6.4 (7.6)1
176	>95.0 - <101.0% of mass 174	80.9 (95.6)1
177	5.0 - 9.0% of mass 176	5.2 (6.4)2

1-Value is % mass 174 2-Value is % mass 176

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

	SAMPLE NO.	LAB SAMPLE	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	20 PPB	20 PPB	C58652SC.D	04/28/06	12:30
02	L804286C	L804286C	C58653Q.D	04/28/06	12:55
03	ZZZZZ	ZZZZZ	C58654.D	04/28/06	13:38
04	B804286C	B804286C	C58655B.D	04/28/06	13:38
05	ZZZZZ	ZZZZZ	C58656.D	04/28/06	14:23
06	56384-1	56384-1	C58657.D	04/28/06	14:57
07	56384-2	56384-2	C58658.D	04/28/06	15:30
08	56384-3	56384-3	C58659.D	04/28/06	16:03
09	56384-3,MS	56384-3,MS	C58660SP.D	04/28/06	16:03
10	56384-3,MSD	56384-3,MSD	C58661SP.D	04/28/06	16:36
11	ZZZZZ	ZZZZZ	C58662.D	04/28/06	17:13
12	ZZZZZ	ZZZZZ	C58663.D	04/28/06	17:46
13	ZZZZZ	ZZZZZ	C58664.D	04/28/06	18:22
14	ZZZZZ	ZZZZZ	C58665.D	04/28/06	18:58
15	ZZZZZ	ZZZZZ	C58666.D	04/28/06	18:58
16	ZZZZZ	ZZZZZ	C58667.D	04/28/06	19:37
17	ZZZZZ	ZZZZZ	C58668.D	04/28/06	19:58
18	ZZZZZ	ZZZZZ	C58669.D	04/28/06	20:31
19	ZZZZZ	ZZZZZ	C58670.D	04/28/06	21:10
20					
21					
22					
23					
24					

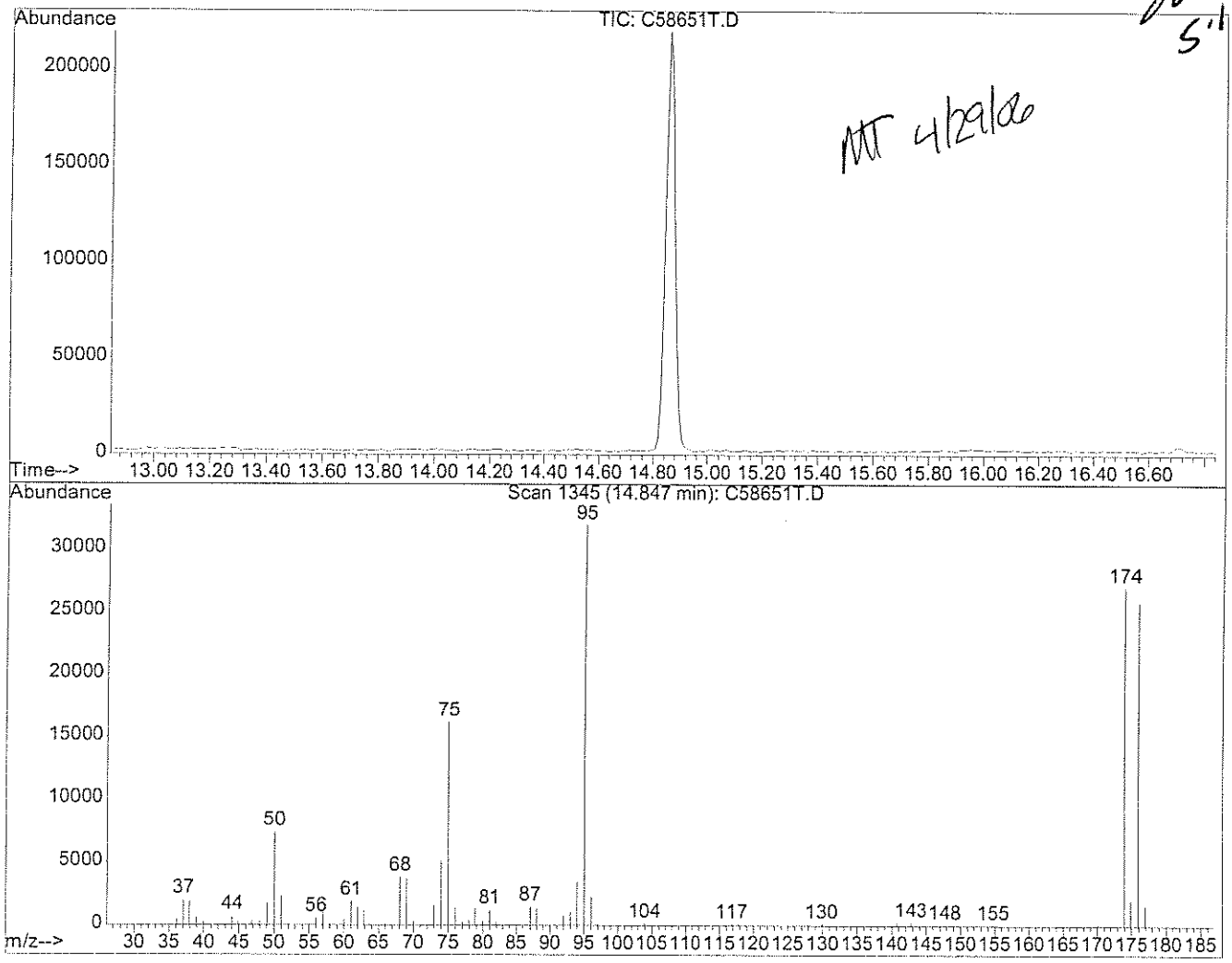
BFB

Data File : D:\HPCHEM\1\DATA\042806C\C58651T.D
Acq On : 28 Apr 2006 11:53 am
Sample : BFB 50NG
Misc : 5000
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics

Vial: 1
Operator:
Inst : Instr_C
Multiplr: 1.00

5.1.06

MT 4/29/06



Spectrum Information: Scan 1345

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.3	7452	PASS
75	95	30	60	50.7	16216	PASS
95	95	100	100	100.0	32000	PASS
96	95	5	9	7.3	2321	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	84.6	27080	PASS
175	174	5	9	7.6	2060	PASS
176	174	95	101	95.6	25888	PASS
177	176	5	9	6.4	1651	PASS

C58651T.D V804176C.M Fri Apr 28 13:05:52 2006

analytics environmental laboratory LLC

VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Project #:

Quote #:

SDG#: 56384

BFB File ID: C58689T.D

Site ID: Subbase New London Site 7

Location: CT

Instrument ID: C

BFB Injection Date: 5/1/06

GC Column: RTX-502.2 ID: 0.25(mm)

BFB Injection Time: 0928

Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.7
75	30.0 - 60.0% of mass 95	50.0
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.0 (0.9)1
174	Greater than 50% of m	90.4
175	5.0 - 9.0% of mass 174	6.7 (7.4)1
176	>95.0 - <101.0% of mass 174	88.6 (98.0)1
177	5.0 - 9.0% of mass 176	5.3 (5.9)2

1-Value is % mass 174 2-Value is % mass 176

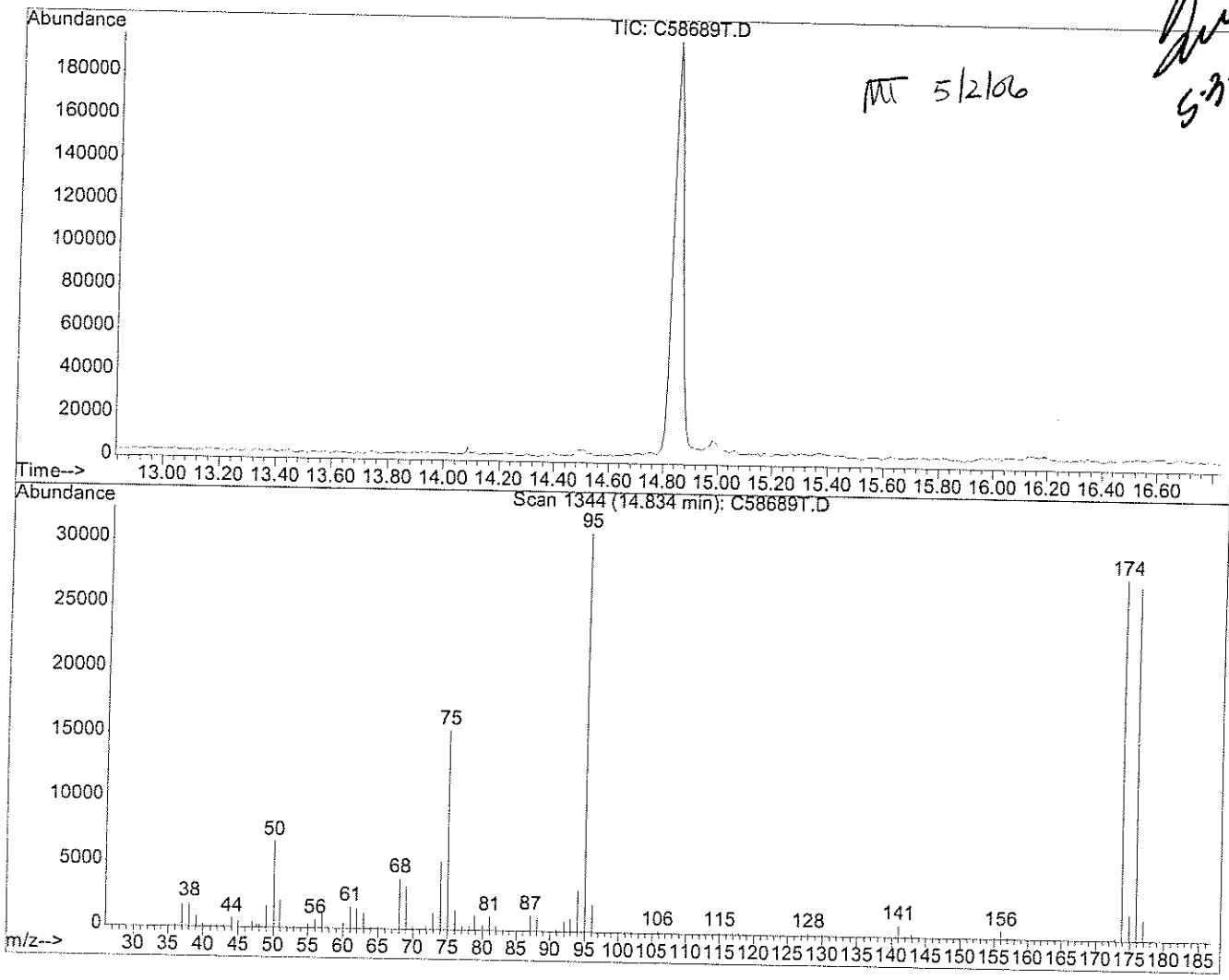
This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

	SAMPLE NO.	LAB SAMPLE	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	20 PPB	20 PPB	C58690SC.D	05/01/06	10:01
02	LS05016C	LS05016C	C58691Q.D	05/01/06	10:18
03	LS05016C2	LS05016C2	C58692Q.D	05/01/06	10:59
04	ZZZZZ	ZZZZZ	C58693.D	05/01/06	11:32
05	MB05016C	MB05016C	C58694B.D	05/01/06	11:32
06	ZZZZZ	ZZZZZ	C58695.D	05/01/06	12:20
07	56384-3.DL	56384-3.DL	C58696.D	05/01/06	12:53
08	ZZZZZ	ZZZZZ	C58697.D	05/01/06	13:26
09	ZZZZZ	ZZZZZ	C58698.D	05/01/06	13:30
10	ZZZZZ	ZZZZZ	C58699.D	05/01/06	14:03
11	ZZZZZ	ZZZZZ	C58700.D	05/01/06	14:36
12	ZZZZZ	ZZZZZ	C58701.D	05/01/06	15:04
13	ZZZZZ	ZZZZZ	C58702.D	05/01/06	15:37
14	ZZZZZ	ZZZZZ	C58703.D	05/01/06	16:14
15	ZZZZZ	ZZZZZ	C58704.D	05/01/06	16:47
16	ZZZZZ	ZZZZZ	C58705.D	05/01/06	17:25
17	ZZZZZ	ZZZZZ	C58706.D	05/01/06	17:25
18	ZZZZZ	ZZZZZ	C58707.D	05/01/06	17:58
19					
20					
21					
22					
23					
24					

BFB

Data File : D:\HPCHEM\1\DATA\050106C\C58689T.D
Acq On : 1 May 2006 9:28 am
Sample : BFB 50NG
Misc : 5000
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics

Vial: 12
Operator:
Inst : Instr_C
Multiplr: 1.00



Spectrum Information: Scan 1344

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.7	6709	PASS
75	95	30	60	50.0	15477	PASS
95	95	100	100	100.0	30976	PASS
96	95	5	9	7.0	2167	PASS
173	174	0.00	2	0.9	249	PASS
174	95	50	100	90.4	28000	PASS
175	174	5	9	7.4	2077	PASS
176	174	95	101	98.0	27440	PASS
177	176	5	9	5.9	1628	PASS

C58689T.D V804176C.M Mon May 01 09:45:33 2006

Response Factor Report Instr_C

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Apr 17 15:48:39 2006
Response via : Initial Calibration

MT 4/18/06

4-18-06

Calibration Files
1 =C58354SI.D 2 =C58361SI.D 5 =C58356SI.D
20 =C58357SI.D 50 =C58358SI.D 100 =C58359SI.D

		Compound	1	2	5	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------	ISTD	----------					
2)	TM	Dichlorodifluoromet	0.765	0.656	0.623	0.660	0.670	0.673	0.675	7.07
3)	TMP	Chloromethane	0.603	0.606	0.603	0.664	0.766	0.818	0.677✓	13.88
4)	TMC	Vinyl Chloride	0.864	0.666	0.622	0.669	0.676	0.657	0.692	12.48✓
5)	TM	Bromomethane	0.285	0.350	0.330	0.390	0.437		0.358	16.18
6)	TM	Chloroethane	0.391	0.352	0.315	0.305	0.326	0.347	0.339	9.13
7)	TM	t-Butyl alcohol (TB	0.053	0.053	0.050	0.050	0.050	0.055	0.052#	3.59
8)	TM	Trichlorofluorometh	1.414	1.184	1.155	1.225	1.240	1.285	1.250	7.37
9)	TM	Diethyl ether	0.240	0.225	0.171	0.184	0.182	0.179	0.197	14.33
10)	T	1,1,2-Trichlorotrif	0.530	0.509	0.474	0.471	0.476	0.468	0.488	5.23
11)	T	Acrolein	0.045	0.047	0.026	0.050	0.048	0.045	0.043#	20.43
12)	TM	Acetone	0.221	0.168	0.162	0.160	0.161	0.170	0.174	13.44
13)	TMC	1,1-Dichloroethene	0.399	0.336	0.356	0.347	0.355	0.341	0.356	6.36✓
14)	T	Methyl iodide	0.469	0.780	0.373	0.553	0.668	0.472	0.553	26.92
15)	TM	Di-isopropyl ether	1.961	1.754	1.669	1.740	1.744	1.659	1.755	6.21
16)	TM	Methylene Chloride		0.448	0.384	0.372	0.366	0.369	0.388	8.88
17)	TM	Carbon Disulfide	1.099	1.135	1.090	1.131	1.173	1.210	1.140	3.98
18)	T	Acrylonitrile		0.142	0.157	0.170	0.172	0.181	0.164	9.24
19)	TM	Methyl-tert-butyl e	1.591	1.171	1.280	1.312	1.327	1.380	1.344	10.39
20)	TM	trans-1,2-Dichloroe	0.984	0.814	0.829	0.843	0.883	0.894	0.874	7.11
21)	TMP	1,1-Dichloroethane	1.065	1.027	0.948	0.981	0.998	0.966	0.998✓	4.29
22)	T	Vinyl acetate	0.914	0.838	0.470	0.938	0.973	0.862	0.832	22.14
23)	TM	Methyl ethyl ketone	0.047	0.043	0.042	0.042	0.040	0.041	0.042#	5.24
24)	TM	Ethyl t-butyl ether	1.774	1.606	1.601	1.620	1.639	1.620	1.644	3.99
25)	TM	2,2-Dichloropropane	0.906	0.753	0.698	0.738	0.760	0.746	0.767	9.33
26)	TM	cis-1,2-Dichloroeth	0.599	0.586	0.547	0.561	0.560	0.549	0.567	3.70
27)	TM	t-Amyl methyl ether	1.205	1.121	1.126	1.157	1.149	1.141	1.150	2.63
28)	S	DB Holder #28	1.011	0.773	0.719	0.745	0.754	0.767	0.795	13.56
29)	TMC	Chloroform	1.022	0.937	0.875	0.943	0.935	0.934	0.941	4.97✓
30)	TM	Bromochloromethane	0.353	0.276	0.279	0.298	0.304	0.293	0.301	9.33
31)	TM	Tetrahydrofuran		0.048	0.039	0.045	0.048	0.049	0.046#	8.52
32)	TM	1,1,1-Trichloroetha	0.923	0.810	0.803	0.846	0.880	0.875	0.856	5.33
33)	T	NO COMPOUND							0.000#	-1.00
34)	TM	1,1-Dichloropropene	0.721	0.703	0.643	0.672	0.684	0.665	0.681	4.10
35)	TM	Carbon Tetrachlorid	0.681	0.618	0.668	0.725	0.775	0.770	0.706	8.75
36)	S	d4-1,2-Dichloroetha	1.011	0.773	0.719	0.745	0.754	0.767	0.795	13.56
37)	TM	1,2-Dichloroethane	0.961	0.913	0.885	0.929	0.945	0.942	0.929	2.89
38)	TM	Benzene	1.747	1.651	1.505	1.579	1.533	1.459	1.623	9.29
39)	I	1,4-Difluorobenzene	----------	ISTD	----------					
40)	TM	Trichloroethene	0.376	0.358	0.346	0.341	0.349	0.340	0.352	3.90
41)	TMC	1,2-Dichloropropane	0.376	0.331	0.323	0.322	0.321	0.312	0.331	6.96✓
42)	T	Methylmethacrylate	0.216	0.186	0.239	0.193	0.190	0.206	0.205	9.79

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report Instr_C

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Apr 17 15:48:39 2006
Response via : Initial Calibration

Calibration Files
1 =C58354SI.D 2 =C58361SI.D 5 =C58356SI.D
20 =C58357SI.D 50 =C58358SI.D 100 =C58359SI.D

		Compound	1	2	5	20	50	100	Avg	%RSD
43)	T	Methyl acetate	0.298	0.223	0.427	0.287	0.274	0.305	0.302	22.46
44)	T	Cyclohexane	0.621	0.544	0.519	0.511	0.520	0.498	0.535	8.33
45)	TM	Bromodichloromethan	0.456	0.412	0.397	0.432	0.445	0.454	0.433	5.53
46)	TM	Dibromomethane	0.264	0.245	0.244	0.258	0.260	0.246	0.253	3.48
47)	T	1,4-Dioxane	0.003	0.003	0.003	0.003	0.003	0.003	0.003#	7.31
48)	T	Methylcyclohexane	0.441	0.434	0.411	0.428	0.429	0.420	0.427	2.50
49)	T	NO COMPOUND							0.000#	-1.00
50)	T	2-Chloroethylvinyl	0.111	0.053	0.068	0.105	0.139	0.112	0.098#	32.23 M
51)	TM	2-Hexanone	0.126	0.108	0.106	0.107	0.104	0.110	0.110	7.40
52)	TM	Methyl isobutyl ket	0.127	0.112	0.112	0.111	0.108	0.112	0.114	5.91
53)	TM	cis-1,3-Dichloropro	0.526	0.489	0.470	0.481	0.497	0.491	0.492	3.87
54)	S	d8-Toluene	1.364	1.141	1.028	1.081	1.059	1.042	1.119	11.30
55)	TMC	Toluene	0.721	0.681	0.627	0.658	0.647	0.646	0.663	5.01 ✓
56)	TM	trans-1,3-Dichlorop	0.510	0.438	0.441	0.462	0.483	0.477	0.469	5.82
57)	T	NO COMPOUND							0.000#	-1.00
58)	TM	1,1,2-Trichloroetha	0.239	0.213	0.217	0.216	0.211	0.214	0.218	4.72
59)	TM	1,3-Dichloropropane	0.461	0.422	0.408	0.426	0.417	0.425	0.426	4.32
60)	TM	Tetrachloroethene	0.459	0.427	0.418	0.401	0.429	0.425	0.427	4.47
61)	TM	Dibromochloromethan	0.359	0.327	0.352	0.370	0.396	0.402	0.368	7.69
62)	TM	1,2-Dibromoethane	0.379	0.358	0.353	0.368	0.380	0.377	0.369	3.10
63)	I	*d5-Chlorobenzene	ISTD							
64)	TMP	Chlorobenzene	1.109	1.057	0.994	0.964	0.989	0.936	1.008 ✓	6.30
65)	TM	1,1,1,2-Tetrachloro	0.370	0.352	0.345	0.356	0.361	0.360	0.358	2.39
66)	TMC	Ethylbenzene	1.542	1.568	1.439	1.439	1.410	1.346	1.457	5.72 ✓
67)	TM	m,p-Xylene	0.656	0.640	0.584	0.570	0.548	0.507	0.584	9.60
68)	TM	o-Xylene	0.606	0.599	0.560	0.555	0.551	0.522	0.565	5.57
69)	TM	Styrene	1.079	1.028	0.979	0.991	0.958	0.929	0.994	5.37
70)	TMP	Bromoform	0.292	0.266	0.288	0.326	0.340	0.349	0.310 ✓	10.59
71)	TM	Isopropylbenzene	1.612	1.598	1.470	1.480	1.478	1.365	1.500	6.12
72)	TMP	1,1,2,2-Tetrachloro	0.457	0.384	0.382	0.376	0.378	0.377	0.392 ✓	8.12
73)	S	Bromofluorobenzene	0.637	0.531	0.476	0.474	0.475	0.457	0.508	13.33
74)	TM	1,2,3-Trichloroprop	0.321	0.293	0.292	0.281	0.280	0.281	0.291	5.41
75)	TM	trans-1,4-Dichloro-	0.150	0.113	0.118	0.114	0.116	0.118	0.121	11.48
76)	TM	n-Propylbenzene	1.881	1.868	1.658	1.621	1.595	1.456	1.680	9.85
77)	TM	Bromobenzene	0.476	0.471	0.415	0.417	0.419	0.395	0.432	7.63
78)	TM	1,3,5-Trimethylbenz	1.323	1.340	1.201	1.199	1.200	1.165	1.238	5.95
79)	TM	2-Chlorotoluene	1.265	1.243	1.127	1.105	1.119	1.087	1.158	6.58
80)	TM	4-Chlorotoluene	1.123	1.126	1.055	1.037	1.033	1.005	1.063	4.71
81)	TM	tert-butylbenzene	1.224	1.127	1.086	1.040	1.049	1.040	1.094	6.59
82)	TM	1,2,4-Trimethylbenz	1.366	1.325	1.261	1.203	1.218	1.182	1.259	5.77
83)	T	Diisobutylketone	0.961	0.933	0.883	0.846	0.825	0.844	0.882	6.16
84)	TM	sec-butylbenzene	1.824	1.801	1.635	1.636	1.627	1.589	1.686	5.95
85)	TM	p-isopropyltoluene	1.455	1.443	1.305	1.309	1.313	1.297	1.354	5.47

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report Instr_C

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Apr 17 15:48:39 2006
Response via : Initial Calibration

Calibration Files
1 =C58354SI.D 2 =C58361SI.D 5 =C58356SI.D
20 =C58357SI.D 50 =C58358SI.D 100 =C58359SI.D

		Compound	1	2	5	20	50	100	Avg	%RSD
86)	TM	1,3-Dichlorobenzene	0.780	0.780	0.715	0.700	0.706	0.699	0.730	5.35
87)	I	1,4-Dichlorobenzene-d	----------	----------	----------	ISTD	----------	----------		
88)	TM	1,4-Dichlorobenzene	1.523	1.620	1.465	1.459	1.461	1.438	1.494	4.53
89)	TM	n-butylbenzene	2.564	2.784	2.436	2.453	2.440	2.349	2.504	6.12
90)	TM	1,2-Dichlorobenzene	1.471	1.464	1.366	1.319	1.344	1.312	1.379	5.15
91)	T	NO COMPOUND							0.000#	-1.00
92)	TM	1,2-Dibromo-3-chlor	0.156	0.138	0.135	0.144	0.151	0.160	0.147	6.89
93)	T	NO COMPOUND							0.000#	-1.00
94)	TM	1,2,4-Trichlorobenz	1.204	1.234	1.092	1.147	1.192	1.239	1.185	4.77
95)	TM	Hexachlorobutadiene	0.639	0.598	0.534	0.575	0.632	0.654	0.605	7.45
96)	TM	Naphthalene	2.412	2.233	2.092	2.037	2.079	2.113	2.161	6.46
97)	TM	1,2,3-Trichlorobenz	1.143	1.094	1.036	1.012	1.080	1.083	1.075	4.29
98)	T	1,3,5-Trichlorobenz	1.316	1.396	1.275	1.281	1.328	1.390	1.331	3.89

(#) = Out of Range ### Number of calibration levels exceeded format ###

Acq. Method File	**V804176C**
Level 1 File Name	C58354SI.D
Level 2 File Name	C58361SI.D
Level 3 File Name	C58356SI.D
Level 4 File Name	C58357SI.D
Level 5 File Name	C58358SI.D
Level 6 File Name	C58359SI.D
Level 7 File Name	C58353SI.D

MT 4/18/00 4.18.00

Name	Level 1 RF	Level 2 RF	Level 3 RF	Level 4 RF	Level 5 RF	Level 6 RF	Level 7 RF	AVG RF	RF Rel. STDEV
Dichlorodifluoromethane	0.765	0.656	0.623	0.660	0.670	0.673	-1.000	0.435	7.07%
Chloromethane	0.603	0.606	0.603	0.664	0.766	0.818	-1.000	0.437	13.88%
Vinyl Chloride	0.864	0.666	0.622	0.669	0.676	0.657	-1.000	0.451	12.48%
Bromomethane	0.285	0.350	0.330	0.390	0.437	-1.000	0.000	0.113	16.18%
Chloroethane	0.391	0.352	0.315	0.305	0.326	0.347	-1.000	0.148	9.13%
t-Butyl alcohol (TBA)	0.053	0.053	0.050	0.050	0.050	0.055	-1.000	-0.098	3.59%
Trichlorofluoromethane	1.414	1.184	1.155	1.225	1.240	1.285	-1.000	0.929	7.37%
Diethyl ether	0.240	0.225	0.171	0.184	0.182	0.179	-1.000	0.026	14.33%
1,1,2-Trichlorotrifluoroethane	0.530	0.509	0.474	0.471	0.476	0.468	-1.000	0.276	5.23%
Acrolein	0.045	0.047	0.026	0.050	0.048	0.045	-1.000	-0.106	20.43%
Acetone	0.221	0.168	0.162	0.160	0.161	0.170	-1.000	0.006	13.44%
1,1-Dichloroethene	0.399	0.336	0.356	0.347	0.355	0.341	-1.000	0.162	6.36%
Methyl iodide	0.469	0.780	0.373	0.553	0.668	0.472	-1.000	0.331	26.92%
Di-isopropyl ether (DIPE)	1.961	1.754	1.669	1.740	1.744	1.659	-1.000	1.361	6.21%
Methylene Chloride	0.448	0.384	0.372	0.366	0.369	-1.000	0.000	0.134	8.88%
Carbon Disulfide	1.099	1.135	1.090	1.131	1.173	1.210	-1.000	0.834	3.98%
Acrylonitrile	0.142	0.157	0.170	0.172	0.181	-1.000	0.000	-0.025	9.24%
Methyl-tert-butyl ether (MTBE)	1.591	1.171	1.280	1.312	1.327	1.380	-1.000	1.009	10.39%
trans-1,2-Dichloroethene	0.984	0.814	0.829	0.843	0.883	0.894	-1.000	0.607	7.11%
1,1-Dichloroethane	1.065	1.027	0.948	0.981	0.998	0.966	-1.000	0.712	4.29%
Vinyl acetate	0.914	0.838	0.470	0.938	0.973	0.862	-1.000	0.571	22.14%
Methyl ethyl ketone	0.047	0.043	0.042	0.042	0.040	0.041	-1.000	-0.106	5.24%
Ethyl t-butyl ether (ETBE)	1.774	1.606	1.601	1.620	1.639	1.620	-1.000	1.266	3.99%
2,2-Dichloropropane	0.906	0.753	0.698	0.738	0.760	0.746	-1.000	0.514	9.33%
cis-1,2-Dichloroethene	0.599	0.586	0.547	0.561	0.560	0.549	-1.000	0.343	3.70%
t-Amyl methyl ether (TAME)	1.205	1.121	1.126	1.157	1.149	1.141	-1.000	0.843	2.63%
DB Holder #28	1.011	0.773	0.719	0.745	0.754	0.767	-1.000	0.538	13.56%
Chloroform	1.022	0.937	0.875	0.943	0.935	0.934	-1.000	0.664	4.97%
Bromochloromethane	0.353	0.276	0.279	0.298	0.304	0.293	-1.000	0.115	9.33%
Tetrahydrofuran	0.048	0.039	0.045	0.048	0.049	-1.000	0.000	-0.110	8.52%
1,1,1-Trichloroethane	0.923	0.810	0.803	0.846	0.880	0.875	-1.000	0.591	5.33%
1,1-Dichloropropene	0.721	0.703	0.643	0.672	0.684	0.665	-1.000	0.441	4.10%
Carbon Tetrachloride	0.681	0.618	0.668	0.725	0.775	0.770	-1.000	0.463	8.75%
d4-1,2-Dichloroethane	1.011	0.773	0.719	0.745	0.754	0.767	-1.000	0.538	13.56%
1,2-Dichloroethane	0.961	0.913	0.885	0.929	0.945	0.942	-1.000	0.653	2.89%
Benzene	1.747	1.651	1.505	1.579	1.533	1.459	1.887	1.623	9.29%
Trichloroethene	0.376	0.358	0.346	0.341	0.349	0.340	-1.000	0.159	3.90%
1,2-Dichloropropane	0.376	0.331	0.323	0.322	0.321	0.312	-1.000	0.141	6.96%
Methylmethacrylate	0.216	0.186	0.239	0.193	0.190	0.206	-1.000	0.033	9.79%
Bromodichloromethane	0.456	0.412	0.397	0.432	0.445	0.454	-1.000	0.228	5.53%
Dibromomethane	0.264	0.245	0.244	0.258	0.260	0.246	-1.000	0.074	3.48%
1,4-Dioxane	0.003	0.003	0.003	0.003	0.003	0.003	-1.000	-0.140	7.31%
2-Chloroethylvinyl ether	0.111	0.053	0.068	0.105	0.139	0.112	-1.000	-0.059	32.23%
2-Hexanone	0.126	0.108	0.106	0.107	0.104	0.110	-1.000	-0.048	7.40%
Methyl isobutyl ketone	0.127	0.112	0.112	0.111	0.108	0.112	-1.000	-0.045	5.91%
cis-1,3-Dichloropropene	0.526	0.489	0.470	0.481	0.497	0.491	-1.000	0.279	3.87%
d8-Toluene	1.364	1.141	1.028	1.081	1.059	1.042	-1.000	0.816	11.30%
Toluene	0.721	0.681	0.627	0.658	0.647	0.646	-1.000	0.426	5.01%
trans-1,3-Dichloropropene	0.510	0.438	0.441	0.462	0.483	0.477	-1.000	0.259	5.82%
1,1,2-Trichloroethane	0.239	0.213	0.217	0.216	0.211	0.214	-1.000	0.044	4.72%
1,3-Dichloropropane	0.461	0.422	0.408	0.426	0.417	0.425	-1.000	0.223	4.32%
Tetrachloroethene	0.459	0.427	0.418	0.401	0.429	0.425	-1.000	0.223	4.47%
Dibromochloromethane	0.359	0.327	0.352	0.370	0.396	0.402	-1.000	0.172	7.69%
1,2-Dibromoethane	0.379	0.358	0.353	0.368	0.380	0.377	-1.000	0.174	3.10%
Chlorobenzene	1.109	1.057	0.994	0.964	0.989	0.936	-1.000	0.721	6.30%
1,1,1,2-Tetrachloroethane	0.370	0.352	0.345	0.356	0.361	0.360	-1.000	0.164	2.39%
Ethylbenzene	1.542	1.568	1.439	1.439	1.410	1.346	-1.000	1.106	5.72%
m,p-Xylene	0.656	0.640	0.584	0.570	0.548	0.507	-1.000	0.358	9.60%
o-Xylene	0.606	0.599	0.560	0.555	0.551	0.522	-1.000	0.342	5.57%
Styrene	1.079	1.028	0.979	0.991	0.958	0.929	-1.000	0.709	5.37%

Bromoform	0.292	0.266	0.288	0.326	0.340	0.349	-1.000	0.123	10.59%
Isopropylbenzene	1.612	1.598	1.470	1.480	1.478	1.365	-1.000	1.143	6.12%
1,1,2,2-Tetrachloroethane	0.457	0.384	0.382	0.376	0.378	0.377	-1.000	0.193	8.12%
romofluorobenzene	0.637	0.531	0.476	0.474	0.475	0.457	-1.000	0.293	13.33%
,2,3-Trichloropropane	0.321	0.293	0.292	0.281	0.280	0.281	-1.000	0.107	5.41%
trans-1,4-Dichloro-2-butene	0.150	0.113	0.118	0.114	0.116	0.118	-1.000	-0.039	11.48%
n-Propylbenzene	1.881	1.868	1.658	1.621	1.595	1.456	-1.000	1.297	9.85%
Bromobenzene	0.476	0.471	0.415	0.417	0.419	0.395	-1.000	0.228	7.63%
1,3,5-Trimethylbenzene	1.323	1.340	1.201	1.199	1.200	1.165	-1.000	0.918	5.95%
2-Chlorotoluene	1.265	1.243	1.127	1.105	1.119	1.087	-1.000	0.849	6.58%
4-Chlorotoluene	1.123	1.126	1.055	1.037	1.033	1.005	-1.000	0.768	4.71%
tert-butylbenzene	1.224	1.127	1.086	1.040	1.049	1.040	-1.000	0.795	6.59%
1,2,4-Trimethylbenzene	1.366	1.325	1.261	1.203	1.218	1.182	-1.000	0.936	5.77%
sec-butylbenzene	1.824	1.801	1.635	1.636	1.627	1.589	-1.000	1.302	5.95%
p-isopropyltoluene	1.455	1.443	1.305	1.309	1.313	1.297	-1.000	1.017	5.47%
1,3-Dichlorobenzene	0.780	0.780	0.715	0.700	0.706	0.699	-1.000	0.483	5.35%
1,4-Dichlorobenzene	1.523	1.620	1.465	1.459	1.461	1.438	-1.000	1.138	4.53%
n-butylbenzene	2.564	2.784	2.436	2.453	2.440	2.349	-1.000	2.004	6.12%
1,2-Dichlorobenzene	1.471	1.464	1.366	1.319	1.344	1.312	-1.000	1.039	5.15%
1,2-Dibromo-3-chloropropane	0.156	0.138	0.135	0.144	0.151	0.160	-1.000	-0.017	6.89%
1,2,4-Trichlorobenzene	1.204	1.234	1.092	1.147	1.192	1.239	-1.000	0.872	4.77%
Hexachlorobutadiene	0.639	0.598	0.534	0.575	0.632	0.654	-1.000	0.376	7.45%
Naphthalene	2.412	2.233	2.092	2.037	2.079	2.113	-1.000	1.709	6.46%
1,2,3-Trichlorobenzene	1.143	1.094	1.036	1.012	1.080	1.083	-1.000	0.778	4.29%
1,3,5-Trichlorobenzene	1.316	1.396	1.275	1.281	1.328	1.390	-1.000	0.998	3.89%
								AVG	7.88%

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\041706C\C58353SI.D Vial: 2
Acq On : 17 Apr 2006 11:56 am Operator:
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 13:52 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/18/06 4.18.06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.01	168	231622	20.00	ug/L	-0.01
39) 1,4-Difluorobenzene	8.49	114	361455	20.00	ug/L	-0.01
63) *d5-Chlorobenzene	13.02	117	322548	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.74	152	162831	20.00	ug/L	-0.01
System Monitoring Compounds						
28) DB Holder #28	7.87	65	4580	0.45	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 2.25%#			
36) d4-1,2-Dichloroethane	7.87	65	4580	0.45	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 2.25%#			
54) d8-Toluene	10.75	98	6662	0.32	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 1.60%#			
73) Bromofluorobenzene	14.89	95	3433	0.39	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 1.95%#			
Target Compounds						Qvalue
38) Benzene	8.03	78	4370	0.20	ug/L	78

(#) = qualifier out of range (m) = manual integration

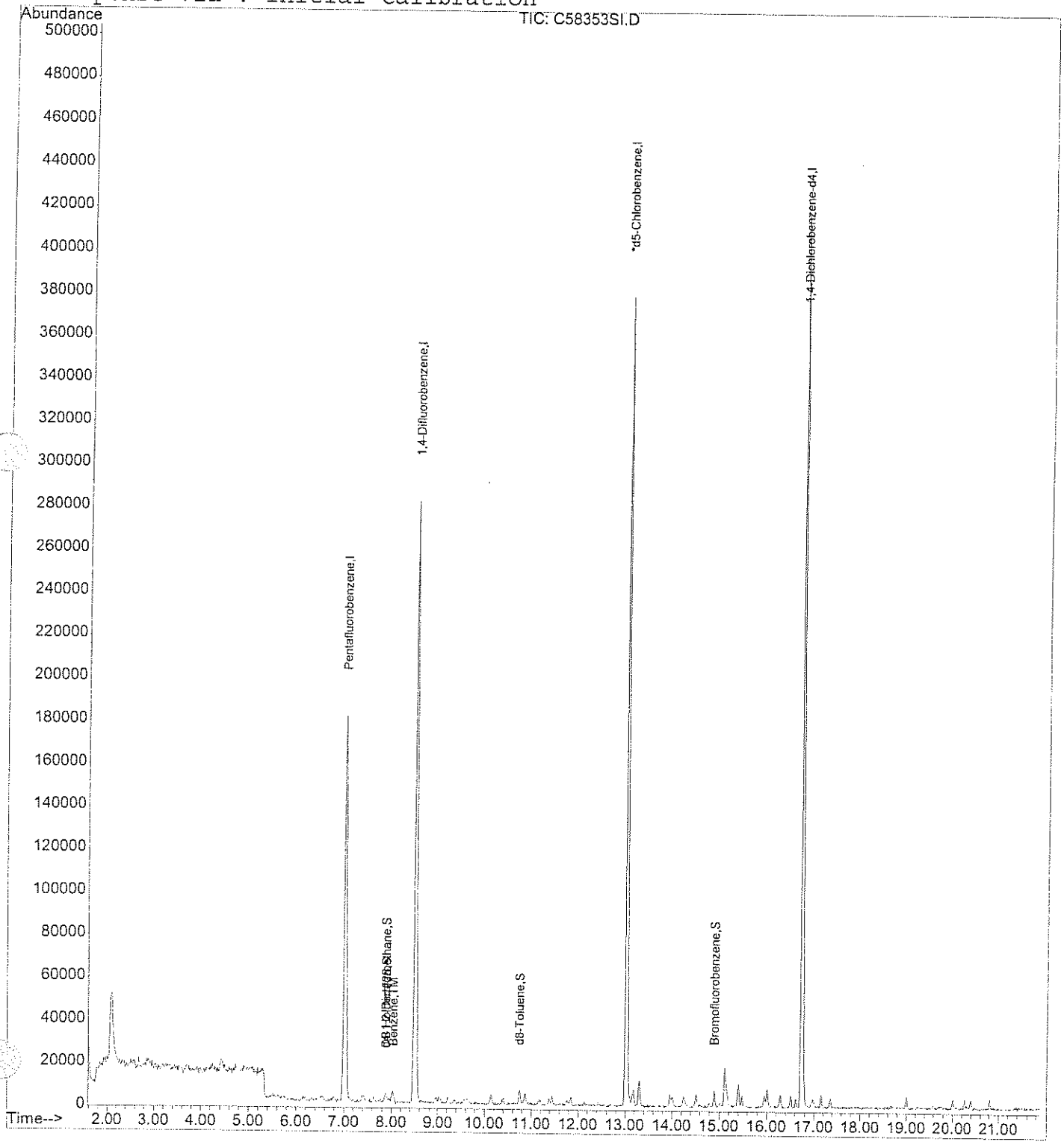
Quantitation Report

Data File : D:\HPCHEM\1\DATA\041706C\C58353SI.D
Acq On : 17 Apr 2006 11:56 am
Sample : 0.2 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Apr 17 13:52 2006

Vial: 2
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Apr 17 15:48:39 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\041706C\C58354SI.D
Acq On : 17 Apr 2006 12:21 pm
Sample : 1 PPB
Misc : 5000
Integration Params: rteint.p
Quant Time: Apr 17 13:53 2006

Vial: 3
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/18/06 4.18.06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	244191	20.00	ug/L	0.00
39) 1,4-Difluorobenzene	8.50	114	386660	20.00	ug/L	0.00
63) *d5-Chlorobenzene	13.02	117	342009	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.74	152	171356	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.88	65	12349	1.16	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 5.80%#			
36) d4-1,2-Dichloroethane	7.88	65	12349	1.16	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 5.80%#			
54) d8-Toluene	10.75	98	26377	1.18	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 5.90%#			
73) Bromofluorobenzene	14.90	95	10886	1.17	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 5.85%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.70	85	9341	1.24	ug/L	97
3) Chloromethane	1.95	50	7364m	0.87	ug/L	
4) Vinyl Chloride	2.04	62	10554	1.27	ug/L	96
5) Bromomethane	2.48	94	3475	0.70	ug/L	97
6) Chloroethane	2.58	64	4772	1.13	ug/L	95
7) t-Butyl alcohol (TBA)	3.87	59	3240m	3.86	ug/L	
8) Trichlorofluoromethane	2.89	101	17265	1.13	ug/L	99
9) Diethyl ether	3.26	74	2927	1.09	ug/L	93
10) 1,1,2-Trichlorotrifluoroet	3.45	101	6477	0.93	ug/L #	70
11) Acrolein	3.43	56	2733	3.53	ug/L #	55
12) Acetone	3.52	43	13463	5.21	ug/L	93
13) 1,1-Dichloroethene	3.69	96	4869	1.00	ug/L #	69
14) Methyl iodide	4.12	142	5726	0.83	ug/L	89
15) Di-isopropyl ether (DIPE)	5.51	45	23944	0.99	ug/L	98
16) Methylene Chloride	4.43	84	7184	1.34	ug/L #	87
17) Carbon Disulfide	4.39	76	13415	0.75	ug/L	100
18) Acrylonitrile	4.65	53	2668	1.07	ug/L #	69
19) Methyl-tert-butyl ether (M	4.74	73	19424	0.97	ug/L	94
20) trans-1,2-Dichloroethene	4.90	61	12016	0.97	ug/L	96
21) 1,1-Dichloroethane	5.59	63	13003	0.96	ug/L	80
22) Vinyl acetate	5.65	43	11159	0.85	ug/L #	96
23) Methyl ethyl ketone	6.31	72	2844	4.98	ug/L	86
24) Ethyl t-butyl ether (ETBE)	6.14	59	21665	0.96	ug/L	95
25) 2,2-Dichloropropane	6.47	77	11058	1.11	ug/L	95
26) cis-1,2-Dichloroethene	6.55	96	7312	1.04	ug/L #	85
27) t-Amyl methyl ether (TAME)	7.88	73	14711	0.90	ug/L #	89

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\041706C\C58354SI.D Vial: 3
Acq On : 17 Apr 2006 12:21 pm Operator:
Sample : 1 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 13:53 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	Chloroform	6.79	83	12473	1.02 ug/L	95
30)	Bromochloromethane	7.03	128	4316	1.18 ug/L #	75
31)	Tetrahydrofuran	7.13	71	643m	1.02 ug/L	
32)	1,1,1-Trichloroethane	7.37	97	11268	0.98 ug/L	86
34)	1,1-Dichloropropene	7.64	75	8807	0.97 ug/L	87
35)	Carbon Tetrachloride	7.77	119	8316	0.86 ug/L	93
37)	1,2-Dichloroethane	8.01	62	11728	0.92 ug/L	98
38)	Benzene	8.01	78	21332	0.93 ug/L	99
40)	Trichloroethene	8.96	95	7276	1.00 ug/L	93
41)	1,2-Dichloropropane	9.22	63	7278	1.06 ug/L	100
42)	Methylmethacrylate	9.38	69	4171	0.96 ug/L	92
43)	Methyl acetate	4.24	43	5770	0.88 ug/L #	79
44)	Cyclohexane	7.40	56	12007	1.06 ug/L	94
45)	Bromodichloromethane	9.56	83	8819	0.96 ug/L	92
46)	Dibromomethane	9.63	93	5105	0.97 ug/L	90
47)	1,4-Dioxane	9.64	88	1683	24.07 ug/L	88
48)	Methylcyclohexane	9.05	83	8523	0.96 ug/L	90
50)	2-Chloroethylvinyl ether	10.08	63	2146	2.57 ug/L	97
51)	2-Hexanone	11.45	58	12215	4.74 ug/L	95
52)	Methyl isobutyl ketone	10.13	58	12271	4.58 ug/L	99
53)	cis-1,3-Dichloropropene	10.40	75	10174	1.00 ug/L	99
55)	Toluene	10.86	92	13944	1.02 ug/L	96
56)	trans-1,3-Dichloropropene	11.16	75	9860	1.02 ug/L	99
58)	1,1,2-Trichloroethane	11.39	83	4614	1.03 ug/L #	80
59)	1,3-Dichloropropane	11.76	76	8922	0.98 ug/L	96
60)	Tetrachloroethene	11.84	166	8881	1.05 ug/L	83
61)	Dibromochloromethane	12.13	129	6942	0.89 ug/L	86
62)	1,2-Dibromoethane	12.42	107	7330	0.92 ug/L	93
64)	Chlorobenzene	13.07	112	18962	1.07 ug/L	92
65)	1,1,1,2-Tetrachloroethane	13.15	131	6333	1.01 ug/L	90
66)	Ethylbenzene	13.17	91	26371	1.02 ug/L	99
67)	m,p-Xylene	13.30	106	22426	2.26 ug/L	90
68)	o-Xylene	13.96	106	10356	1.05 ug/L	96
69)	Styrene	14.01	104	18459	1.09 ug/L	92
70)	Bromoform	14.49	173	5000	0.84 ug/L	86
71)	Isopropylbenzene	14.52	105	27558	1.04 ug/L	97
72)	1,1,2,2-Tetrachloroethane	14.79	83	7814	1.09 ug/L	97
74)	1,2,3-Trichloropropane	15.01	75	5495	1.00 ug/L	99
75)	trans-1,4-Dichloro-2-buten	15.14	89	2557	1.14 ug/L	91
76)	n-Propylbenzene	15.14	91	32167	1.07 ug/L	99
77)	Bromobenzene	15.17	156	8136	1.10 ug/L	93

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\041706C\C58354SI.D
Acq On : 17 Apr 2006 12:21 pm
Sample : 1 PPB
Misc : 5000
Integration Params: rteint.p
Quant Time: Apr 17 13:53 2006

Vial: 3
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
78) 1,3,5-Trimethylbenzene	15.40	105	22620	1.04 ug/L	89
79) 2-Chlorotoluene	15.40	91	21628	1.06 ug/L	100
80) 4-Chlorotoluene	15.48	91	19205	1.03 ug/L	100
81) tert-butylbenzene	15.95	119	20936	1.10 ug/L	85
82) 1,2,4-Trimethylbenzene	16.01	105	23351	1.05 ug/L	94
83) Diisobutylketone	15.10	57	82140	4.97 ug/L	96
84) sec-butylbenzene	16.29	105	31199	1.06 ug/L	86
85) p-isopropyltoluene	16.50	119	24877	1.07 ug/L	96
86) 1,3-Dichlorobenzene	16.62	146	13343	1.05 ug/L	97
88) 1,4-Dichlorobenzene	16.79	146	13053	0.95 ug/L	96
89) n-butylbenzene	17.16	91	21967	0.96 ug/L	98
90) 1,2-Dichlorobenzene	17.36	146	12604	1.00 ug/L	95
92) 1,2-Dibromo-3-chloropropan	18.60	75	1338	0.89 ug/L	96
94) 1,2,4-Trichlorobenzene	20.01	180	10316	0.95 ug/L	93
95) Hexachlorobutadiene	20.26	225	5471	0.97 ug/L	96
96) Naphthalene	20.40	128	20667	1.00 ug/L	100
97) 1,2,3-Trichlorobenzene	20.81	180	9797	0.99 ug/L	97
98) 1,3,5-Trichlorobenzene	19.00	180	11278	0.93 ug/L	98

(#) = qualifier out of range (m) = manual integration

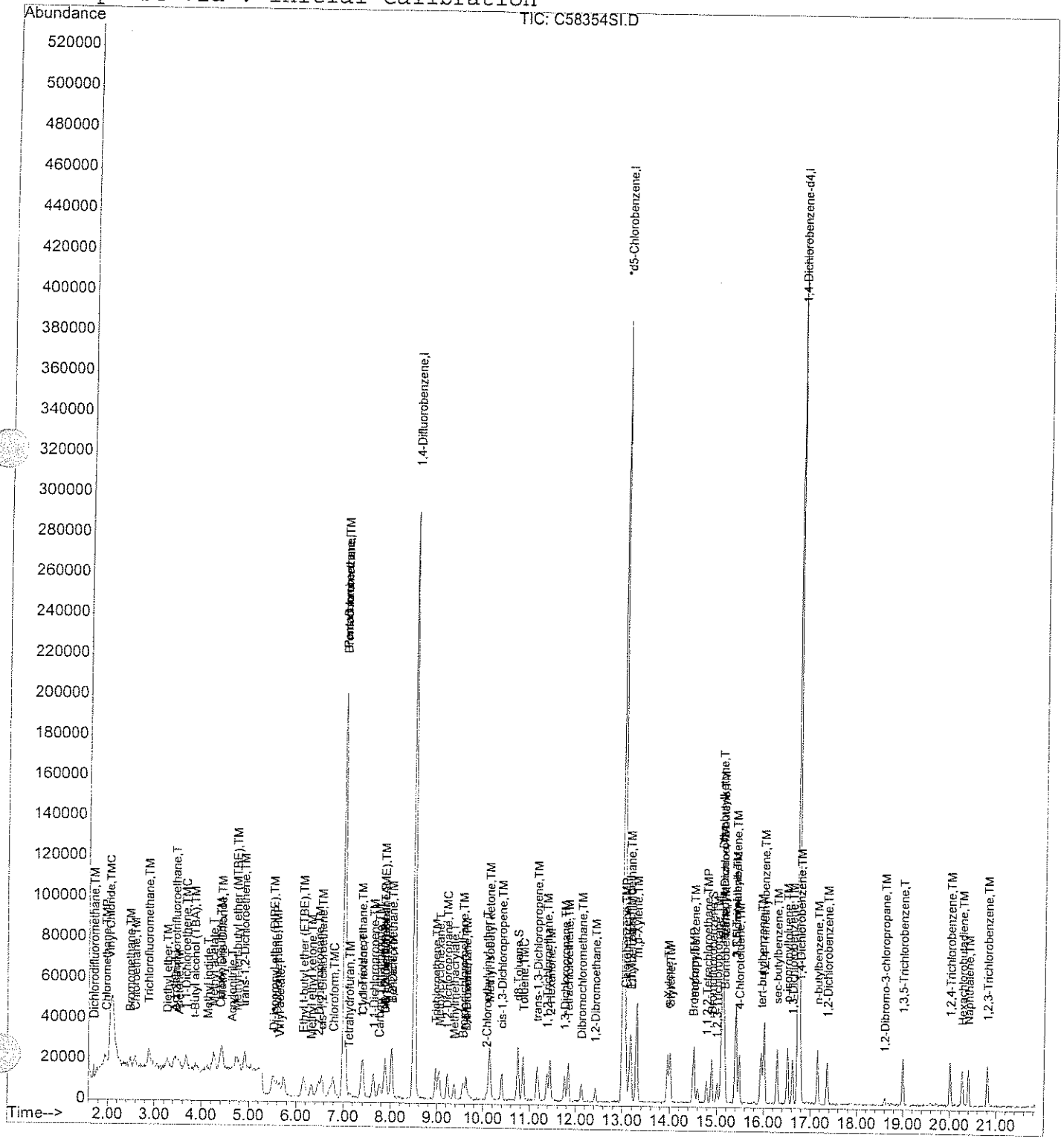
Quantitation Report

Data File : D:\HPCHEM\1\DATA\041706C\C58354SI.D
Acq On : 17 Apr 2006 12:21 pm
Sample : 1 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Apr 17 13:53 2006

Vial: 3
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Apr 17 15:48:39 2006
Response via : Initial Calibration



Quantitation Report (Qedit)

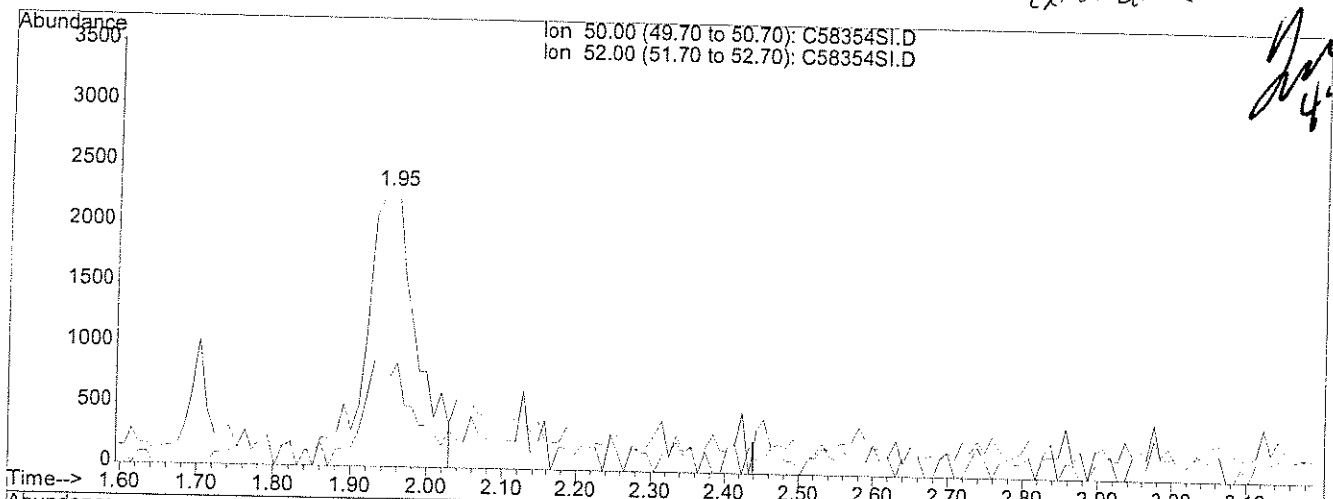
Data File : D:\HPCHEM\1\DATA\041706C\C58354SI.D
Acq On : 17 Apr 2006 12:21 pm
Sample : 1 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Apr 17 13:52 2006

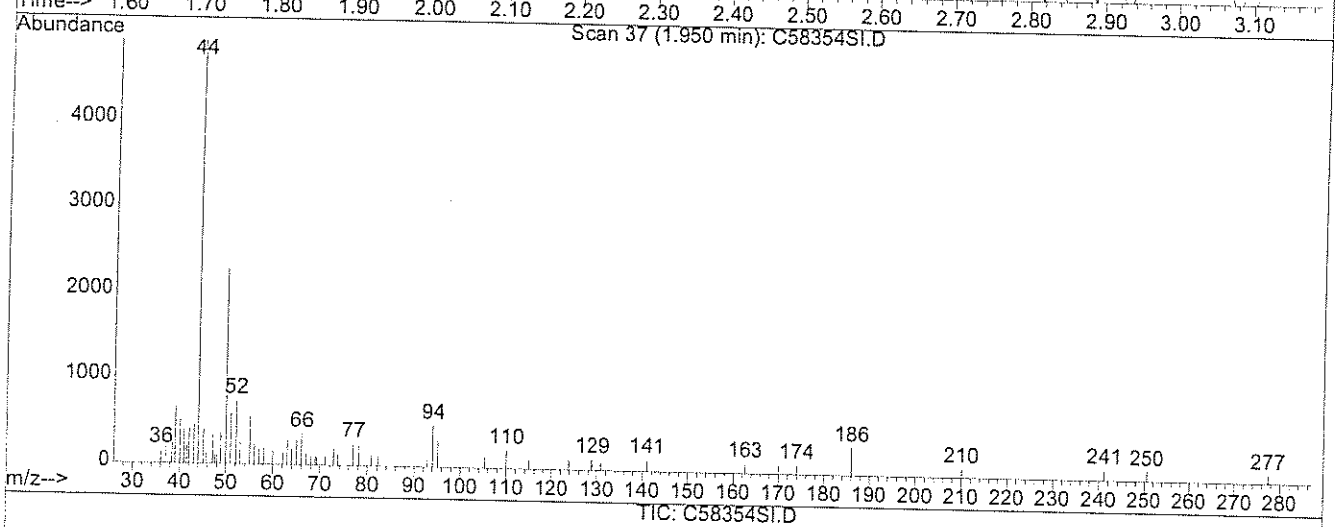
Vial: 3
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Multiple Level Calibration

MT 4/18/06
extra area





TIC: C58354SI.D

(3) Chloromethane (TMP)

1.95min 1.24ug/L

response 10542

Ion	Exp%	Act%
50.00	100	100
52.00	31.70	27.74
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

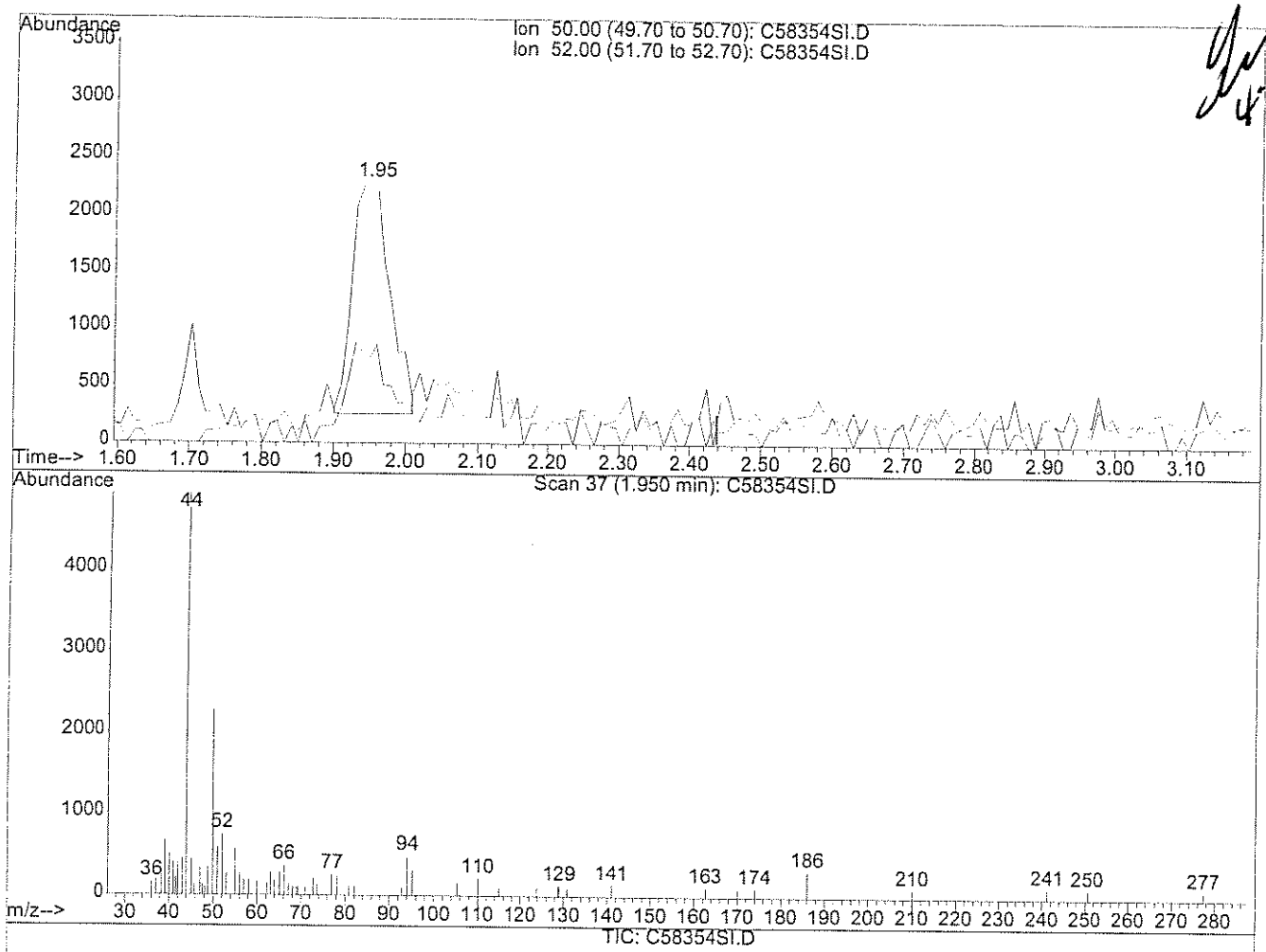
Data File : D:\HPCHEM\1\DATA\041706C\C58354SI.D
Acq On : 17 Apr 2006 12:21 pm
Sample : 1 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Apr 17 13:52 2006

Vial: 3
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Multiple Level Calibration

MT 4/18/06



(3) Chloromethane (TMP)

1.95min 0.87ug/L m

response 7364

Ion	Exp%	Act%
50.00	100	100
52.00	31.70	32.66
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\041706C\C58354SI.D
Acq On : 17 Apr 2006 12:21 pm
Sample : 1 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Apr 17 13:52 2006

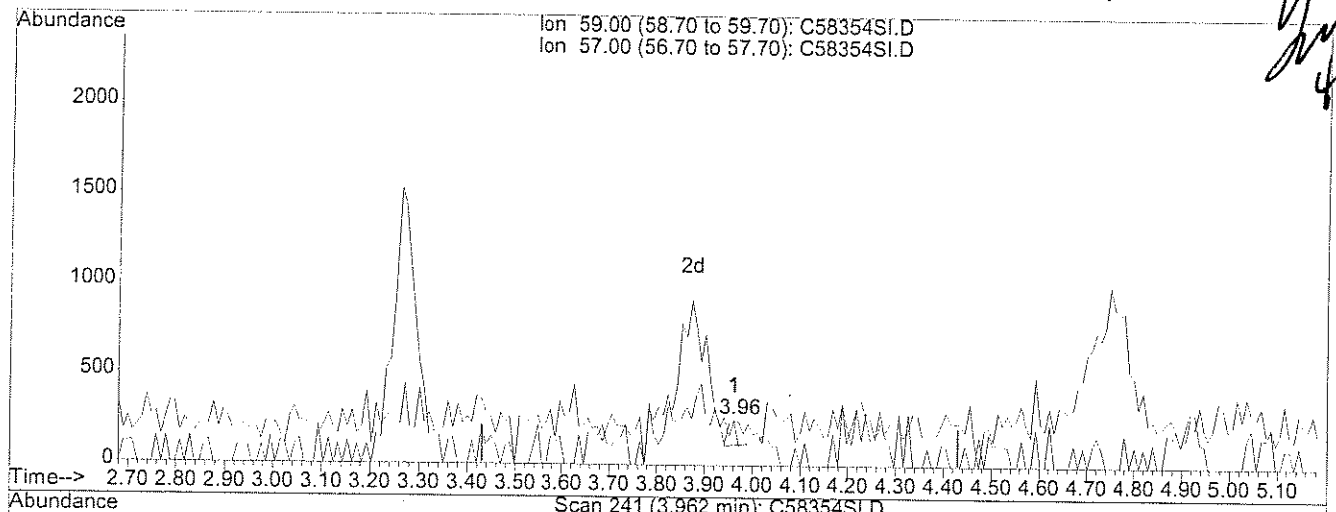
Vial: 3
Operator:
Inst : Instr_C
Multiplr: 1.00

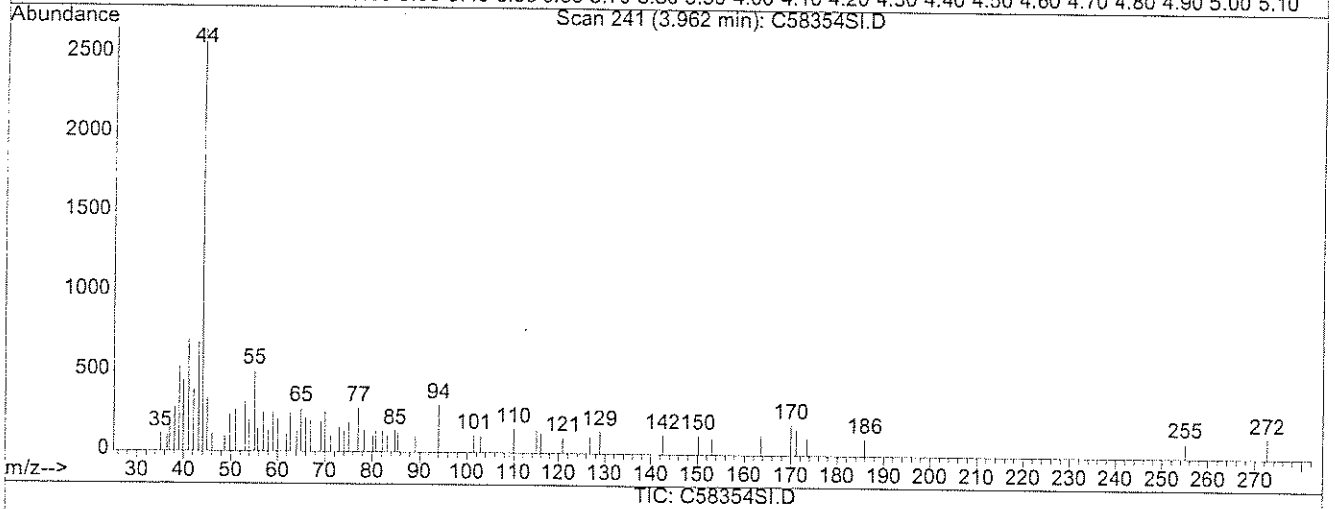
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Multiple Level Calibration

MT 4/18/06
Missed peak

4.18.06





TIC: C58354SI.D

(7) t-Butyl alcohol (TBA) (TM)

3.96min 0.19ug/L

response 161

Ion	Exp%	Act%
59.00	100	100
57.00	14.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\041706C\C58354SI.D
Acq On : 17 Apr 2006 12:21 pm
Sample : 1 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Apr 17 13:53 2006

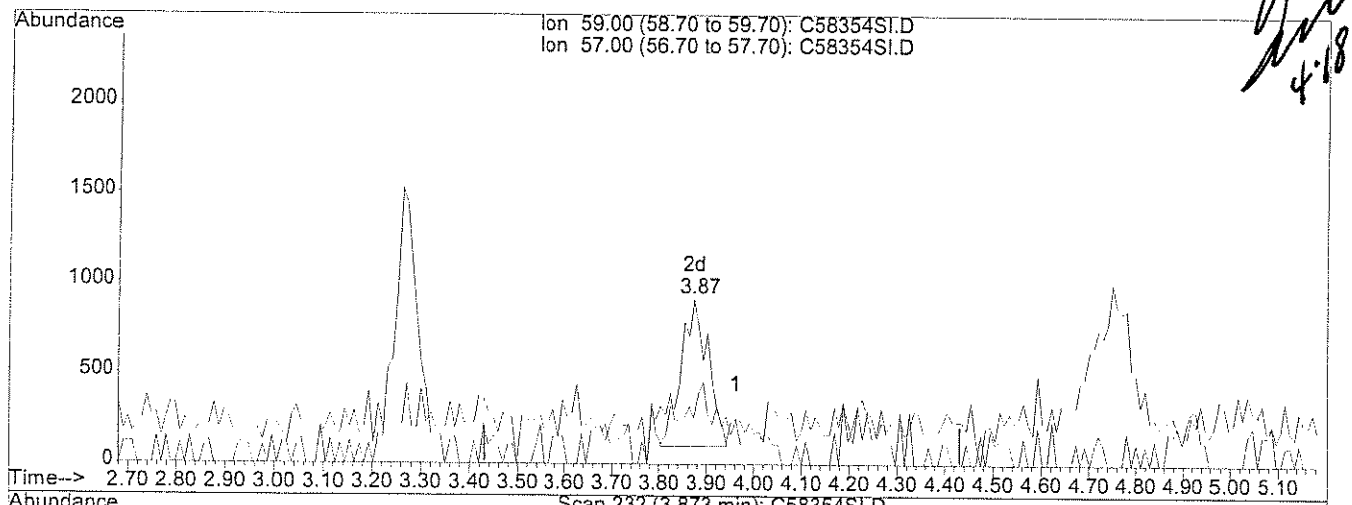
Vial: 3
Operator:
Inst : Instr_C
Multiplr: 1.00

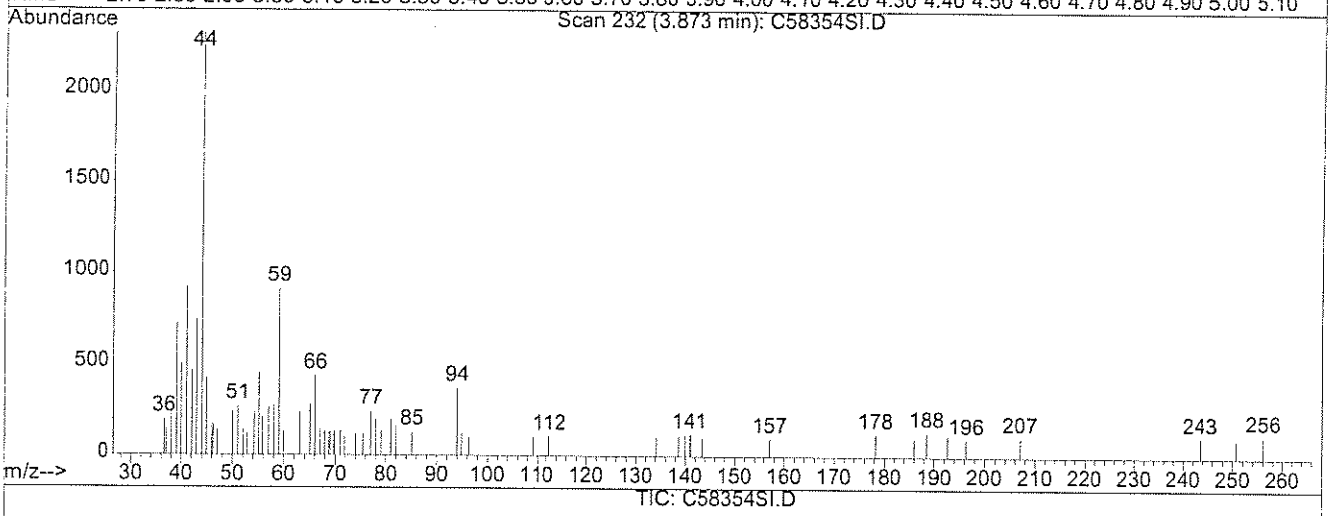
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Multiple Level Calibration

MT 4/18/06

4.18.06





(7) t-Butyl alcohol (TBA) (TM)

3.87min 3.86ug/L m

response 3240

Ion	Exp%	Act%
59.00	100	100
57.00	14.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\041706C\C58356SI.D
Acq On : 17 Apr 2006 1:11 pm
Sample : 5 PPB
Misc : 5000
Integration Params: rteint.p
Quant Time: Apr 17 13:55 2006

Vial: 5
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/18/06

4.18.06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	239660	20.00	ug/L	0.00
39) 1,4-Difluorobenzene	8.50	114	380784	20.00	ug/L	0.00
63) *d5-Chlorobenzene	13.02	117	336657	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.74	152	169433	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.88	65	43072	4.13	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 20.65%#			
36) d4-1,2-Dichloroethane	7.88	65	43072	4.13	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 20.65%#			
54) d8-Toluene	10.75	98	97835	4.46	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 22.30%#			
73) Bromofluorobenzene	14.89	95	40026	4.37	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 21.85%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.71	85	37348	5.05	ug/L	100
3) Chloromethane	1.96	50	36125	4.34	ug/L	95
4) Vinyl Chloride	2.04	62	37284	4.58	ug/L	97
5) Bromomethane	2.49	94	19787	4.06	ug/L	94
6) Chloroethane	2.58	64	18884	4.54	ug/L	91
7) t-Butyl alcohol (TBA)	3.87	59	15121	18.38	ug/L #	78
8) Trichlorofluoromethane	2.89	101	69186	4.60	ug/L	96
9) Diethyl ether	3.27	74	10262	3.89	ug/L	93
10) 1,1,2-Trichlorotrifluoroet	3.46	101	28371	4.16	ug/L	97
11) Acrolein	3.44	56	7650	10.08	ug/L	99
12) Acetone	3.55	43	48519	19.14	ug/L	99
13) 1,1-Dichloroethene	3.68	96	21344	4.45	ug/L #	71
14) Methyl iodide	4.13	142	22356	3.29	ug/L	97
15) Di-isopropyl ether (DIPE)	5.52	45	99995	4.21	ug/L	94
16) Methylene Chloride	4.44	84	23004	4.36	ug/L	97
17) Carbon Disulfide	4.40	76	65312	3.73	ug/L	100
18) Acrylonitrile	4.66	53	9380	3.83	ug/L #	83
19) Methyl-tert-butyl ether (M	4.75	73	76669	3.89	ug/L	99
20) trans-1,2-Dichloroethene	4.92	61	49640	4.10	ug/L	98
21) 1,1-Dichloroethane	5.60	63	56786	4.27	ug/L	93
22) Vinyl acetate	5.65	43	28153	2.19	ug/L #	95
23) Methyl ethyl ketone	6.32	72	12468	22.24	ug/L	86
24) Ethyl t-butyl ether (ETBE)	6.16	59	95918	4.32	ug/L	97
25) 2,2-Dichloropropane	6.48	77	41798	4.27	ug/L	99
26) cis-1,2-Dichloroethene	6.56	96	32751	4.76	ug/L	96
27) t-Amyl methyl ether (TAME)	7.88	73	67462	4.22	ug/L	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\041706C\C58356SI.D Vial: 5
Acq On : 17 Apr 2006 1:11 pm Operator:
Sample : 5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 13:55 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
29)	Chloroform	6.79	83	52435	4.38	ug/L		99
30)	Bromochloromethane	7.04	128	16730	4.65	ug/L		96
31)	Tetrahydrofuran	7.15	71	2355	3.79	ug/L	#	78
32)	1,1,1-Trichloroethane	7.39	97	48103	4.25	ug/L		98
34)	1,1-Dichloropropene	7.63	75	38523	4.33	ug/L		100
35)	Carbon Tetrachloride	7.77	119	40037	4.24	ug/L		92
37)	1,2-Dichloroethane	8.03	62	53035	4.22	ug/L		95
38)	Benzene	8.03	78	90174	4.02	ug/L		99
40)	Trichloroethene	8.96	95	32982	4.61	ug/L		86
41)	1,2-Dichloropropane	9.23	63	30791	4.55	ug/L		97
42)	Methylmethacrylate	9.38	69	22779	5.31	ug/L		96
43)	Methyl acetate	4.24	43	40683	6.32	ug/L		96
44)	Cyclohexane	7.39	56	49383	4.44	ug/L		98
45)	Bromodichloromethane	9.56	83	37758	4.18	ug/L		94
46)	Dibromomethane	9.63	93	23267	4.47	ug/L		94
47)	1,4-Dioxane	9.64	88	7199	104.53	ug/L		97
48)	Methylcyclohexane	9.05	83	39100	4.49	ug/L		97
50)	2-Chloroethylvinyl ether	10.08	63	6482	4.12	ug/L		96
51)	2-Hexanone	11.44	58	50309	19.84	ug/L		98
52)	Methyl isobutyl ketone	10.14	58	53459	20.27	ug/L		100
53)	cis-1,3-Dichloropropene	10.40	75	44751	4.49	ug/L		97
55)	Toluene	10.87	92	59726	4.45	ug/L		91
56)	trans-1,3-Dichloropropene	11.16	75	41989	4.39	ug/L		94
58)	1,1,2-Trichloroethane	11.39	83	20658	4.70	ug/L		94
59)	1,3-Dichloropropane	11.76	76	38834	4.32	ug/L		98
60)	Tetrachloroethene	11.84	166	39798	4.78	ug/L		95
61)	Dibromochloromethane	12.13	129	33498	4.37	ug/L		96
62)	1,2-Dibromoethane	12.42	107	33600	4.28	ug/L		96
64)	Chlorobenzene	13.07	112	83661	4.80	ug/L		95
65)	1,1,1,2-Tetrachloroethane	13.15	131	29067	4.69	ug/L		94
66)	Ethylbenzene	13.17	91	121148	4.76	ug/L		97
67)	m,p-Xylene	13.30	106	98264	10.05	ug/L		93
68)	o-Xylene	13.95	106	47149	4.87	ug/L		91
69)	Styrene	14.01	104	82431	4.93	ug/L		95
70)	Bromoform	14.49	173	24261	4.16	ug/L		99
71)	Isopropylbenzene	14.52	105	123697	4.74	ug/L		95
72)	1,1,2,2-Tetrachloroethane	14.79	83	32119	4.54	ug/L		97
74)	1,2,3-Trichloropropane	15.01	75	24571	4.55	ug/L		96
75)	trans-1,4-Dichloro-2-buten	15.15	89	9895	4.49	ug/L		94
76)	n-Propylbenzene	15.15	91	139576	4.70	ug/L		99
77)	Bromobenzene	15.17	156	34897	4.80	ug/L		95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\041706C\C58356SI.D
Acq On : 17 Apr 2006 1:11 pm
Sample : 5 PPB
Misc : 5000
Integration Params: rteint.p
Quant Time: Apr 17 13:55 2006

Vial: 5
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
78) 1,3,5-Trimethylbenzene	15.40	105	101119	4.75 ug/L	96
79) 2-Chlorotoluene	15.40	91	94866	4.71 ug/L	99
80) 4-Chlorotoluene	15.48	91	88756	4.83 ug/L	97
81) tert-butylbenzene	15.95	119	91394	4.89 ug/L	95
82) 1,2,4-Trimethylbenzene	16.01	105	106149	4.84 ug/L	98
83) Diisobutylketone	15.11	57	371636	22.85 ug/L	95
84) sec-butylbenzene	16.29	105	137638	4.75 ug/L	96
85) p-isopropyltoluene	16.52	119	109811	4.80 ug/L	97
86) 1,3-Dichlorobenzene	16.62	146	60158	4.82 ug/L	98
88) 1,4-Dichlorobenzene	16.79	146	62046	4.55 ug/L	97
89) n-butylbenzene	17.16	91	103167	4.55 ug/L	100
90) 1,2-Dichlorobenzene	17.36	146	57857	4.67 ug/L	98
92) 1,2-Dibromo-3-chloropropan	18.61	75	5705	3.85 ug/L	94
94) 1,2,4-Trichlorobenzene	20.02	180	46235	4.28 ug/L	99
95) Hexachlorobutadiene	20.25	225	22640	4.06 ug/L	97
96) Naphthalene	20.40	128	88593	4.35 ug/L	100
97) 1,2,3-Trichlorobenzene	20.81	180	43883	4.48 ug/L	99
98) 1,3,5-Trichlorobenzene	19.00	180	54024	4.50 ug/L	99

(#) = qualifier out of range (m) = manual integration

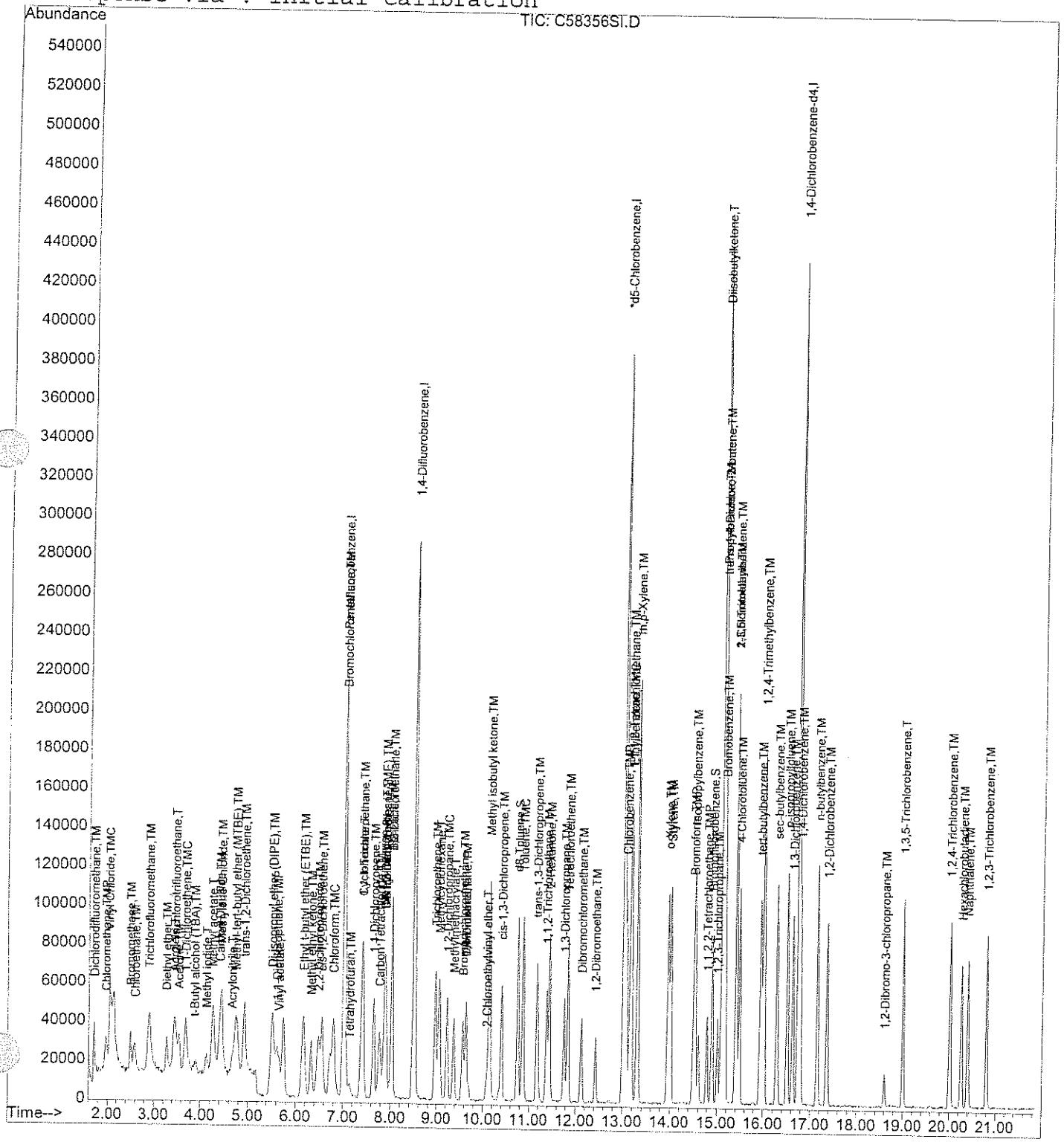
Quantitation Report

Data File : D:\HPCHEM\1\DATA\041706C\C58356SI.D
Acq On : 17 Apr 2006 1:11 pm
Sample : 5 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Apr 17 13:55 2006

Vial: 5
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Apr 17 15:48:39 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\041706C\C58357SI.D
Acq On : 17 Apr 2006 1:44 pm
Sample : 20 PPB
Misc : 5000
Integration Params: rteint.p
Quant Time: Apr 17 13:57 2006

Vial: 6
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/18/06 4.18.06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	241982	20.00	ug/L	-0.01
39) 1,4-Difluorobenzene	8.49	114	389266	20.00	ug/L	-0.01
63) *d5-Chlorobenzene	13.02	117	349891	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.74	152	169896	20.00	ug/L	-0.01
System Monitoring Compounds						
28) DB Holder #28	7.87	65	180354	17.12	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 85.60%			
36) d4-1,2-Dichloroethane	7.87	65	180354	17.12	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 85.60%			
54) d8-Toluene	10.74	98	420629	18.77	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 93.85%			
73) Bromofluorobenzene	14.89	95	165886	17.41	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 87.05%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.70	85	159782	21.42	ug/L	96
3) Chloromethane	1.95	50	160680	19.13	ug/L	100
4) Vinyl Chloride	2.03	62	161840	19.68	ug/L	99
5) Bromomethane	2.48	94	94417	19.21	ug/L	98
6) Chloroethane	2.57	64	73888	17.60	ug/L	94
7) t-Butyl alcohol (TBA)	3.90	59	60544	72.87	ug/L	99
8) Trichlorofluoromethane	2.87	101	296321	19.51	ug/L	96
9) Diethyl ether	3.27	74	44528	16.74	ug/L	98
10) 1,1,2-Trichlorotrifluoroet	3.45	101	114015	16.57	ug/L	99
11) Acrolein	3.43	56	60014	78.30	ug/L	92
12) Acetone	3.53	43	193615	75.63	ug/L	99
13) 1,1-Dichloroethene	3.67	96	83984	17.33	ug/L	94
14) Methyl iodide	4.12	142	133924	19.53	ug/L	98
15) Di-isopropyl ether (DIPE)	5.51	45	421112	17.54	ug/L	96
16) Methylene Chloride	4.43	84	90038	16.90	ug/L	98
17) Carbon Disulfide	4.39	76	273752	15.50	ug/L	100
18) Acrylonitrile	4.66	53	41195	16.65	ug/L	96
19) Methyl-tert-butyl ether (M	4.74	73	317478	15.94	ug/L	100
20) trans-1,2-Dichloroethene	4.91	61	203872	16.67	ug/L	98
21) 1,1-Dichloroethane	5.60	63	237495	17.68	ug/L	98
22) Vinyl acetate	5.65	43	227086	17.50	ug/L #	95
23) Methyl ethyl ketone	6.32	72	50353	88.97	ug/L	92
24) Ethyl t-butyl ether (ETBE)	6.15	59	392054	17.48	ug/L	98
25) 2,2-Dichloropropane	6.47	77	178579	18.07	ug/L	97
26) cis-1,2-Dichloroethene	6.54	96	135789	19.56	ug/L	98
27) t-Amyl methyl ether (TAME)	7.87	73	279919	17.35	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\041706C\C58357SI.D
Acq On : 17 Apr 2006 1:44 pm
Sample : 20 PPB
Misc : 5000
Integration Params: rteint.p
Quant Time: Apr 17 13:57 2006

Vial: 6
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29) Chloroform	6.80	83	228169	18.88 ug/L	100
30) Bromochloromethane	7.03	128	72108	19.87 ug/L	94
31) Tetrahydrofuran	7.14	71	10983	17.53 ug/L	98
32) 1,1,1-Trichloroethane	7.39	97	204816	17.92 ug/L	97
34) 1,1-Dichloropropene	7.64	75	162716	18.13 ug/L	95
35) Carbon Tetrachloride	7.77	119	175531	18.41 ug/L	96
37) 1,2-Dichloroethane	8.02	62	224746	17.73 ug/L	97
38) Benzene	8.02	78	382078	16.87 ug/L	96
40) Trichloroethene	8.96	95	132553	18.13 ug/L	95
41) 1,2-Dichloropropane	9.22	63	125366	18.13 ug/L	99
42) Methylmethacrylate	9.37	69	75016	17.11 ug/L	97
43) Methyl acetate	4.24	43	111565	16.95 ug/L	96
44) Cyclohexane	7.40	56	198917	17.50 ug/L	98
45) Bromodichloromethane	9.56	83	168159	18.22 ug/L	99
46) Dibromomethane	9.63	93	100361	18.88 ug/L	97
47) 1,4-Dioxane	9.65	88	30580	434.36 ug/L	95
48) Methylcyclohexane	9.05	83	166465	18.71 ug/L	98
50) 2-Chloroethylvinyl ether	10.08	63	41010	15.88 ug/L	98
51) 2-Hexanone	11.43	58	208045	80.26 ug/L	100
52) Methyl isobutyl ketone	10.13	58	216516	80.30 ug/L	100
53) cis-1,3-Dichloropropene	10.40	75	187106	18.35 ug/L	99
55) Toluene	10.86	92	256304	18.67 ug/L	99
56) trans-1,3-Dichloropropene	11.16	75	179725	18.38 ug/L	98
58) 1,1,2-Trichloroethane	11.38	83	83918	18.69 ug/L	98
59) 1,3-Dichloropropane	11.76	76	165841	18.03 ug/L	95
60) Tetrachloroethene	11.84	166	156035	18.33 ug/L	99
61) Dibromochloromethane	12.13	129	143980	18.38 ug/L	96
62) 1,2-Dibromoethane	12.43	107	143407	17.86 ug/L	100
64) Chlorobenzene	13.08	112	337379	18.62 ug/L	96
65) 1,1,1,2-Tetrachloroethane	13.15	131	124678	19.37 ug/L	94
66) Ethylbenzene	13.18	91	503340	19.01 ug/L	98
67) m,p-Xylene	13.30	106	398786	39.25 ug/L	93
68) o-Xylene	13.96	106	194052	19.27 ug/L	95
69) Styrene	14.02	104	346648	19.94 ug/L	96
70) Bromoform	14.50	173	114132	18.85 ug/L	97
71) Isopropylbenzene	14.52	105	517748	19.09 ug/L	97
72) 1,1,2,2-Tetrachloroethane	14.79	83	131565	17.90 ug/L	99
74) 1,2,3-Trichloropropane	15.01	75	98179	17.50 ug/L	95
75) trans-1,4-Dichloro-2-buten	15.14	89	39920	17.42 ug/L	98
76) n-Propylbenzene	15.15	91	567048	18.36 ug/L	98
77) Bromobenzene	15.17	156	146025	19.33 ug/L	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\041706C\C58357SI.D
Acq On : 17 Apr 2006 1:44 pm
Sample : 20 PPB
Misc : 5000
Integration Params: rteint.p
Quant Time: Apr 17 13:57 2006

Vial: 6
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
78) 1,3,5-Trimethylbenzene	15.41	105	419679	18.95 ug/L	96
79) 2-Chlorotoluene	15.40	91	386718	18.48 ug/L	100
80) 4-Chlorotoluene	15.48	91	362836	19.01 ug/L	99
81) tert-butylbenzene	15.95	119	363942	18.75 ug/L	99
82) 1,2,4-Trimethylbenzene	16.01	105	421021	18.48 ug/L	98
83) Diisobutylketone	15.11	57	1479612	87.53 ug/L	98
84) sec-butylbenzene	16.28	105	572582	19.01 ug/L	98
85) p-isopropyltoluene	16.51	119	458136	19.25 ug/L	97
86) 1,3-Dichlorobenzene	16.62	146	245027	18.90 ug/L	99
88) 1,4-Dichlorobenzene	16.79	146	247947	18.14 ug/L	99
89) n-butylbenzene	17.15	91	416723	18.31 ug/L	100
90) 1,2-Dichlorobenzene	17.36	146	224124	18.02 ug/L	99
92) 1,2-Dibromo-3-chloropropan	18.60	75	24421	16.43 ug/L	96
94) 1,2,4-Trichlorobenzene	20.01	180	194811	18.00 ug/L	98
95) Hexachlorobutadiene	20.26	225	97715	17.49 ug/L	93
96) Naphthalene	20.40	128	346115	16.96 ug/L	100
97) 1,2,3-Trichlorobenzene	20.81	180	171917	17.51 ug/L	97
98) 1,3,5-Trichlorobenzene	19.01	180	217683	18.09 ug/L	97

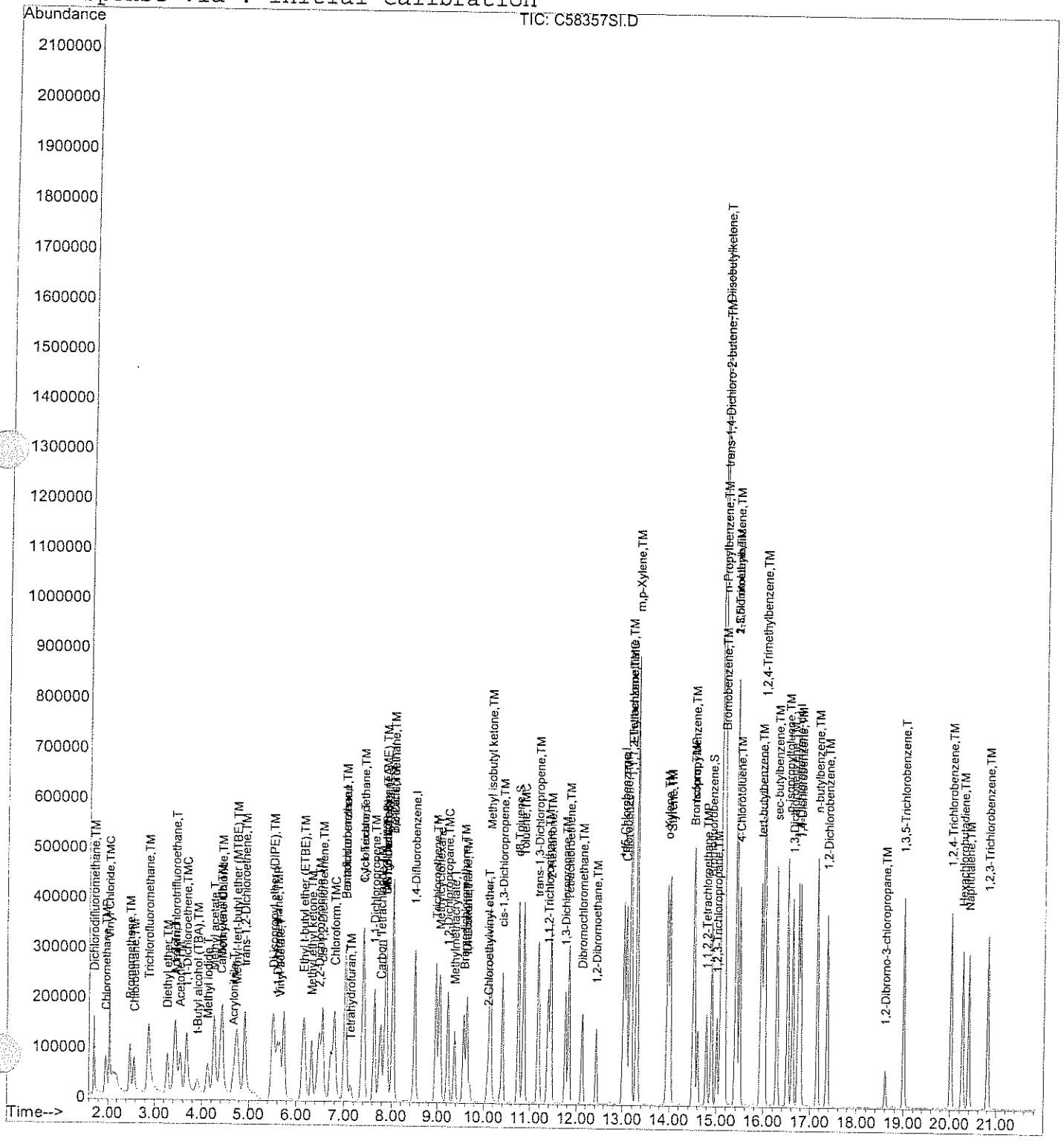
(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\041706C\C58357SI.D
Acq On : 17 Apr 2006 1:44 pm
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Apr 17 13:57 2006

Vial: 6
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Apr 17 15:48:39 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\041706C\C58358SI.D Vial: 7
Acq On : 17 Apr 2006 2:24 pm Operator:
Sample : 50 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 14:25 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/18/06 4.18.06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.01	168	229040	20.00	ug/L	-0.02
39) 1,4-Difluorobenzene	8.50	114	367442	20.00	ug/L	0.00
63) *d5-Chlorobenzene	13.02	117	333852	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.75	152	164964	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.88	65	431526	43.28	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 216.40%#			
36) d4-1,2-Dichloroethane	7.88	65	431526	43.28	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 216.40%#			
54) d8-Toluene	10.74	98	972489	45.96	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 229.80%#			
73) Bromofluorobenzene	14.90	95	396687	43.63	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 218.15%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.69	85	383403	54.29	ug/L	98
3) Chloromethane	1.94	50	438601	55.16	ug/L	97
4) Vinyl Chloride	2.02	62	387069	49.72	ug/L	99
5) Bromomethane	2.44	94	250030	53.74	ug/L	98
6) Chloroethane	2.53	64	186457	46.93	ug/L	97
7) t-Butyl alcohol (TBA)	3.95	59	144334	183.53	ug/L #	92
8) Trichlorofluoromethane	2.85	101	709938	49.37	ug/L	97
9) Diethyl ether	3.27	74	104210	41.38	ug/L	96
10) 1,1,2-Trichlorotrifluoroet	3.42	101	272623	41.85	ug/L	98
11) Acrolein	3.43	56	136025	187.50	ug/L	97
12) Acetone	3.55	43	462242	190.76	ug/L	100
13) 1,1-Dichloroethene	3.65	96	203548	44.38	ug/L	96
14) Methyl iodide	4.10	142	382269	58.89	ug/L	96
15) Di-isopropyl ether (DIPE)	5.51	45	998677	43.96	ug/L	95
16) Methylene Chloride	4.41	84	209519	41.55	ug/L	93
17) Carbon Disulfide	4.36	76	671785	40.20	ug/L	100
18) Acrylonitrile	4.66	53	98321	41.98	ug/L	96
19) Methyl-tert-butyl ether (M	4.74	73	759986	40.32	ug/L	99
20) trans-1,2-Dichloroethene	4.90	61	505722	43.70	ug/L	100
21) 1,1-Dichloroethane	5.59	63	571356	44.95	ug/L	96
22) Vinyl acetate	5.65	43	556927	45.35	ug/L #	95
23) Methyl ethyl ketone	6.32	72	115416	215.45	ug/L	97
24) Ethyl t-butyl ether (ETBE)	6.15	59	938622	44.22	ug/L	99
25) 2,2-Dichloropropane	6.47	77	435353	46.55	ug/L	99
26) cis-1,2-Dichloroethene	6.54	96	320642	48.80	ug/L	96
27) t-Amyl methyl ether (TAME)	7.88	73	657739	43.07	ug/L	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\041706C\C58358SI.D Vial: 7
Acq On : 17 Apr 2006 2:24 pm Operator:
Sample : 50 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 14:25 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29) Chloroform	6.79	83	535536	46.82 ug/L	99
30) Bromochloromethane	7.03	128	173871	50.61 ug/L	94
31) Tetrahydrofuran	7.13	71	27245	45.94 ug/L	86
32) 1,1,1-Trichloroethane	7.38	97	504115	46.60 ug/L	99
34) 1,1-Dichloropropene	7.64	75	391730	46.11 ug/L	98
35) Carbon Tetrachloride	7.77	119	443821	49.19 ug/L	97
37) 1,2-Dichloroethane	8.01	62	540964	45.08 ug/L	98
38) Benzene	8.02	78	877920	40.95 ug/L	99
40) Trichloroethene	8.96	95	320590	46.47 ug/L	94
41) 1,2-Dichloropropane	9.23	63	294791	45.15 ug/L	99
42) Methylmethacrylate	9.37	69	174669	42.20 ug/L	99
43) Methyl acetate	4.24	43	251467	40.47 ug/L	100
44) Cyclohexane	7.39	56	477897	44.53 ug/L	99
45) Bromodichloromethane	9.56	83	408651	46.91 ug/L	96
46) Dibromomethane	9.63	93	238925	47.61 ug/L	94
47) 1,4-Dioxane	9.65	88	68240	1026.86 ug/L	99
48) Methylcyclohexane	9.05	83	393979	46.91 ug/L	99
50) 2-Chloroethylvinyl ether	10.07	63	127273	46.92 ug/L	96
51) 2-Hexanone	11.44	58	478505	195.57 ug/L	99
52) Methyl isobutyl ketone	10.13	58	494304	194.21 ug/L	100
53) cis-1,3-Dichloropropene	10.40	75	456275	47.41 ug/L	98
55) Toluene	10.86	92	593997	45.83 ug/L	100
56) trans-1,3-Dichloropropene	11.16	75	443788	48.09 ug/L	97
58) 1,1,2-Trichloroethane	11.38	83	193877	45.74 ug/L	97
59) 1,3-Dichloropropane	11.76	76	382659	44.08 ug/L	99
60) Tetrachloroethene	11.84	166	394317	49.08 ug/L	98
61) Dibromochloromethane	12.13	129	363813	49.20 ug/L	100
62) 1,2-Dibromoethane	12.43	107	348720	46.00 ug/L	98
64) Chlorobenzene	13.08	112	825376	47.74 ug/L	96
65) 1,1,1,2-Tetrachloroethane	13.15	131	301491	49.09 ug/L	98
66) Ethylbenzene	13.18	91	1176420	46.57 ug/L	98
67) m,p-Xylene	13.30	106	915009	94.39 ug/L	99
68) o-Xylene	13.96	106	459739	47.85 ug/L	99
69) Styrene	14.02	104	799658	48.21 ug/L	99
70) Bromoform	14.50	173	283771	49.12 ug/L	98
71) Isopropylbenzene	14.52	105	1233911	47.68 ug/L	98
72) 1,1,2,2-Tetrachloroethane	14.79	83	315331	44.97 ug/L	98
74) 1,2,3-Trichloropropane	15.01	75	233731	43.66 ug/L	96
75) trans-1,4-Dichloro-2-buten	15.14	89	97181	44.44 ug/L	99
76) n-Propylbenzene	15.15	91	1331264	45.17 ug/L	97
77) Bromobenzene	15.18	156	349581	48.50 ug/L	91

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\041706C\C58358SI.D
Acq On : 17 Apr 2006 2:24 pm
Sample : 50 PPB
Misc : 5000
Integration Params: rteint.p
Quant Time: Apr 17 14:25 2006

Vial: 7
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

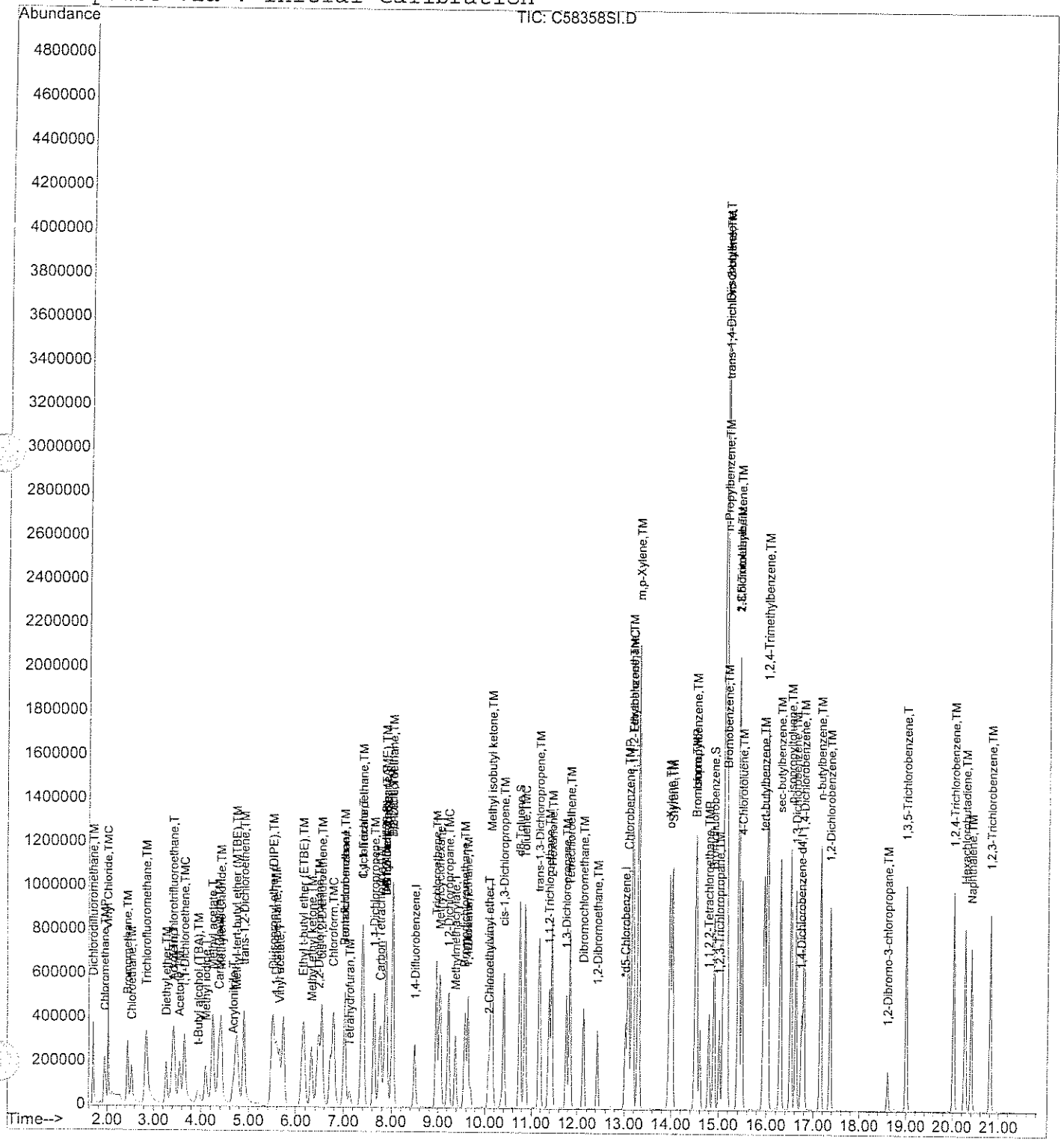
Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
78) 1,3,5-Trimethylbenzene	15.41	105	1001315	47.38 ug/L	100
79) 2-Chlorotoluene	15.41	91	934127	46.78 ug/L	99
80) 4-Chlorotoluene	15.49	91	862086	47.33 ug/L	98
81) tert-butylbenzene	15.95	119	875736	47.29 ug/L	100
82) 1,2,4-Trimethylbenzene	16.01	105	1016908	46.77 ug/L	99
83) Diisobutylketone	15.11	57	3444112	213.52 ug/L	98
84) sec-butylbenzene	16.29	105	1358237	47.25 ug/L	97
85) p-isopropyltoluene	16.51	119	1095665	48.26 ug/L	99
86) 1,3-Dichlorobenzene	16.62	146	589193	47.63 ug/L	99
88) 1,4-Dichlorobenzene	16.79	146	602585	45.40 ug/L	99
89) n-butylbenzene	17.15	91	1006185	45.54 ug/L	99
90) 1,2-Dichlorobenzene	17.36	146	554123	45.89 ug/L	98
92) 1,2-Dibromo-3-chloropropan	18.60	75	62353	43.20 ug/L	98
94) 1,2,4-Trichlorobenzene	20.01	180	491445	46.77 ug/L	99
95) Hexachlorobutadiene	20.26	225	260723	48.06 ug/L	99
96) Naphthalene	20.40	128	857360	43.27 ug/L	100
97) 1,2,3-Trichlorobenzene	20.81	180	445201	46.70 ug/L	96
98) 1,3,5-Trichlorobenzene	19.01	180	547756	46.88 ug/L	98

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\041706C\C58358SI.D Vial: 7
Acq On : 17 Apr 2006 2:24 pm Operator:
Sample : 50 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 17 14:25 2006 Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Apr 17 15:48:39 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\041706C\C58359SI.D Vial: 8
Acq On : 17 Apr 2006 2:24 pm Operator:
Sample : 100 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 14:45 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/18/06

4.18.06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.01	168	218019	20.00	ug/L	-0.02
39) 1,4-Difluorobenzene	8.49	114	348915	20.00	ug/L	-0.02
63) *d5-Chlorobenzene	13.03	117	327955	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.74	152	162161	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.88	65	836207	88.11	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 440.55%#			
36) d4-1,2-Dichloroethane	7.88	65	836207	88.11	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 440.55%#			
54) d8-Toluene	10.75	98	1818597	90.51	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 452.55%#			
73) Bromofluorobenzene	14.90	95	749084	83.87	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 419.35%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.71	85	733564	109.13	ug/L	98
3) Chloromethane	1.97	50	892225	117.87	ug/L	96
4) Vinyl Chloride	2.02	62	715967	96.62	ug/L	97
5) Bromomethane	2.47	94	117050	26.43	ug/L	95
6) Chloroethane	2.51	64	377869	99.91	ug/L	92
7) t-Butyl alcohol (TBA)	4.08	59	297502m	397.42	ug/L	
8) Trichlorofluoromethane	2.82	101	1401291	102.38	ug/L	97
9) Diethyl ether	3.29	74	195436	81.53	ug/L	94
10) 1,1,2-Trichlorotrifluoroet	3.40	101	510605	82.34	ug/L	98
11) Acrolein	3.45	56	246605	357.11	ug/L	99
12) Acetone	3.60	43	925206	401.12	ug/L	99
13) 1,1-Dichloroethene	3.64	96	371224	85.04	ug/L	99
14) Methyl iodide	4.09	142	514675	83.30	ug/L	98
15) Di-isopropyl ether (DIPE)	5.53	45	1808783	83.64	ug/L	95
16) Methylene Chloride	4.42	84	402292	83.81	ug/L	98
17) Carbon Disulfide	4.36	76	1318762	82.90	ug/L	100
18) Acrylonitrile	4.69	53	197424	88.55	ug/L	98
19) Methyl-tert-butyl ether (M	4.76	73	1504247	83.85	ug/L	99
20) trans-1,2-Dichloroethene	4.89	61	974950	88.51	ug/L	99
21) 1,1-Dichloroethane	5.59	63	1052994	87.02	ug/L	97
22) Vinyl acetate	5.66	43	939371	80.36	ug/L #	97
23) Methyl ethyl ketone	6.35	72	225384	442.00	ug/L	98
24) Ethyl t-butyl ether (ETBE)	6.16	59	1766353	87.42	ug/L	99
25) 2,2-Dichloropropane	6.47	77	812751	91.29	ug/L	98
26) cis-1,2-Dichloroethene	6.55	96	598273	95.66	ug/L	95
27) t-Amyl methyl ether (TAME)	7.88	73	1243966	85.58	ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\041706C\C58359SI.D Vial: 8
Acq On : 17 Apr 2006 2:24 pm Operator:
Sample : 100 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 14:45 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
29)	Chloroform	6.79	83	1018429	93.53	ug/L	98
30)	Bromochloromethane	7.03	128	319938	97.84	ug/L	97
31)	Tetrahydrofuran	7.15	71	53500	94.76	ug/L	86
32)	1,1,1-Trichloroethane	7.39	97	953692	92.61	ug/L	99
34)	1,1-Dichloropropene	7.63	75	724471	89.59	ug/L	98
35)	Carbon Tetrachloride	7.76	119	839681	97.76	ug/L	100
37)	1,2-Dichloroethane	8.02	62	1026767	89.90	ug/L	99
38)	Benzene	8.02	78	1590709	77.94	ug/L	99
40)	Trichloroethene	8.95	95	593383	90.57	ug/L	98
41)	1,2-Dichloropropane	9.22	63	544840	87.89	ug/L	99
42)	Methylmethacrylate	9.38	69	358692	91.27	ug/L	99
43)	Methyl acetate	4.27	43	531306	90.04	ug/L	99
44)	Cyclohexane	7.39	56	868092	85.18	ug/L	100
45)	Bromodichloromethane	9.56	83	791571	95.69	ug/L	97
46)	Dibromomethane	9.63	93	429427	90.12	ug/L	97
47)	1,4-Dioxane	9.66	88	143594	2275.50	ug/L	99
48)	Methylcyclohexane	9.04	83	732178	91.81	ug/L	99
50)	2-Chloroethylvinyl ether	10.08	63	195322	73.24	ug/L	95
51)	2-Hexanone	11.45	58	960958	413.60	ug/L	98
52)	Methyl isobutyl ketone	10.15	58	978290	404.78	ug/L	100
53)	cis-1,3-Dichloropropene	10.40	75	857031	93.79	ug/L	99
55)	Toluene	10.87	92	1127799	91.63	ug/L	100
56)	trans-1,3-Dichloropropene	11.16	75	832498	95.00	ug/L	99
58)	1,1,2-Trichloroethane	11.38	83	372591	92.57	ug/L	98
59)	1,3-Dichloropropane	11.76	76	740967	89.88	ug/L	96
60)	Tetrachloroethene	11.84	166	740753	97.10	ug/L	98
61)	Dibromochloromethane	12.13	129	701810	99.94	ug/L	98
62)	1,2-Dibromoethane	12.43	107	658488	91.48	ug/L	99
64)	Chlorobenzene	13.07	112	1535173	90.39	ug/L	98
65)	1,1,1,2-Tetrachloroethane	13.15	131	590381	97.87	ug/L	96
66)	Ethylbenzene	13.18	91	2206624	88.91	ug/L	99
67)	m,p-Xylene	13.30	106	1663060	174.64	ug/L	90
68)	o-Xylene	13.96	106	856364	90.73	ug/L	96
69)	Styrene	14.02	104	1522806	93.47	ug/L	97
70)	Bromoform	14.49	173	572014	100.79	ug/L	97
71)	Isopropylbenzene	14.52	105	2237491	88.02	ug/L	100
72)	1,1,2,2-Tetrachloroethane	14.79	83	617701	89.69	ug/L	99
74)	1,2,3-Trichloropropane	15.02	75	461503	87.75	ug/L	96
75)	trans-1,4-Dichloro-2-buten	15.15	89	192775	89.73	ug/L	94
76)	n-Propylbenzene	15.16	91	2388196	82.49	ug/L	100
77)	Bromobenzene	15.18	156	648335	91.56	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\041706C\C58359SI.D Vial: 8
Acq On : 17 Apr 2006 2:24 pm Operator:
Sample : 100 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 14:45 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
78) 1,3,5-Trimethylbenzene	15.41	105	1910868	92.05	ug/L	96
79) 2-Chlorotoluene	15.40	91	1781838	90.84	ug/L	96
80) 4-Chlorotoluene	15.49	91	1648623	92.14	ug/L	99
81) tert-butylbenzene	15.95	119	1704636	93.70	ug/L	99
82) 1,2,4-Trimethylbenzene	16.01	105	1937861	90.73	ug/L	98
83) Diisobutylketone	15.12	57	6916743	436.52	ug/L	95
84) sec-butylbenzene	16.29	105	2606133	92.29	ug/L	97
85) p-isopropyltoluene	16.52	119	2127205	95.38	ug/L	99
86) 1,3-Dichlorobenzene	16.62	146	1146471	94.34	ug/L	100
88) 1,4-Dichlorobenzene	16.79	146	1165878	89.35	ug/L	99
89) n-butylbenzene	17.16	91	1904533	87.70	ug/L	99
90) 1,2-Dichlorobenzene	17.36	146	1063773	89.62	ug/L	99
92) 1,2-Dibromo-3-chloropropan	18.61	75	129787	91.47	ug/L	99
94) 1,2,4-Trichlorobenzene	20.02	180	1004908	97.28	ug/L	99
95) Hexachlorobutadiene	20.26	225	530117	99.42	ug/L	99
96) Naphthalene	20.40	128	1713371	87.96	ug/L	100
97) 1,2,3-Trichlorobenzene	20.82	180	878205	93.72	ug/L	97
98) 1,3,5-Trichlorobenzene	19.00	180	1126635	98.09	ug/L	99

(#) = qualifier out of range (m) = manual integration

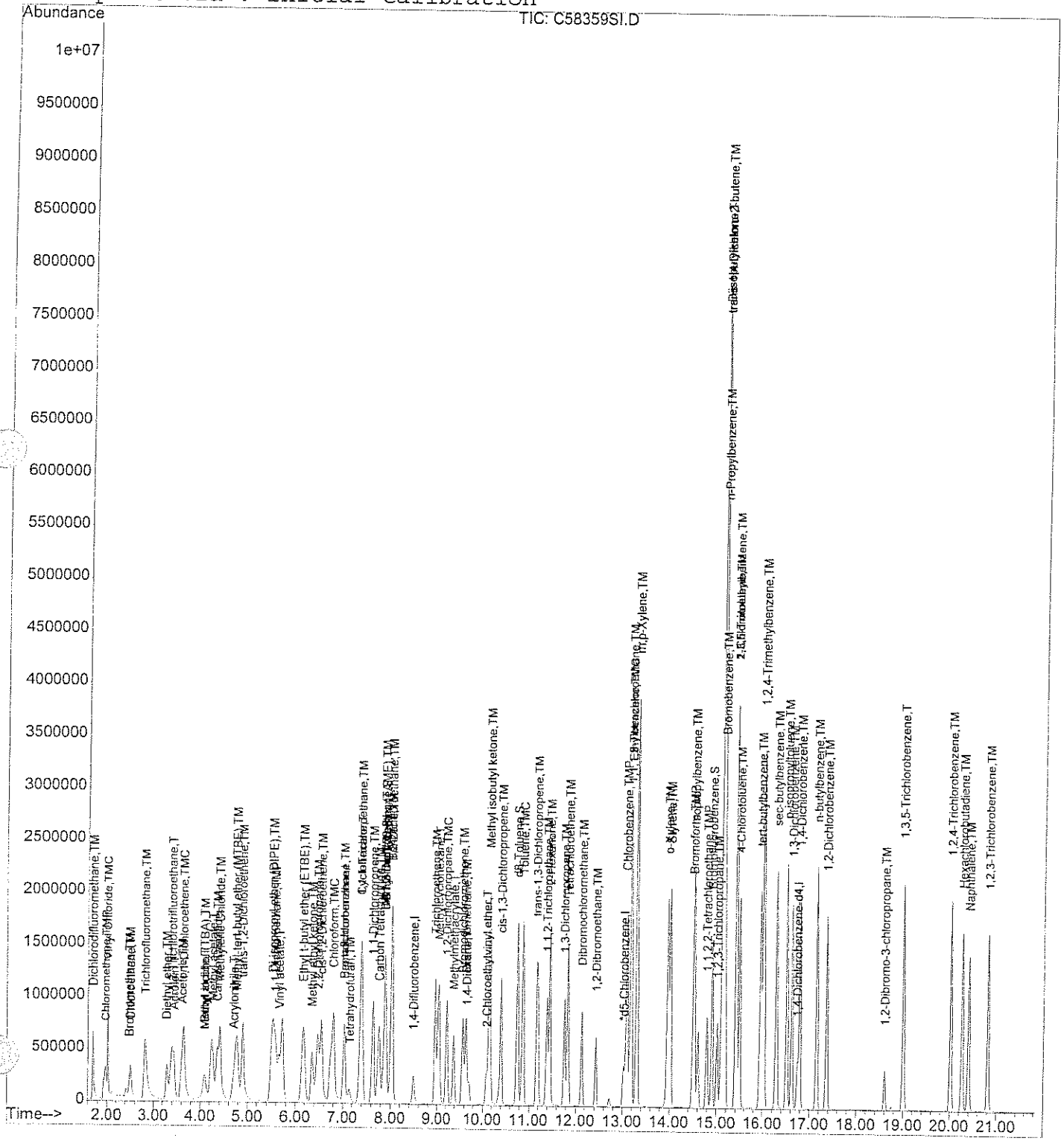
Quantitation Report

Data File : D:\HPCHEM\1\DATA\041706C\C58359SI.D
Acq On : 17 Apr 2006 2:24 pm
Sample : 100 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Apr 17 14:45 2006

Vial: 8
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Apr 17 15:48:39 2006
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\041706C\C58359SI.D
Acq On : 17 Apr 2006 2:24 pm
Sample : 100 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Apr 17 14:45 2006

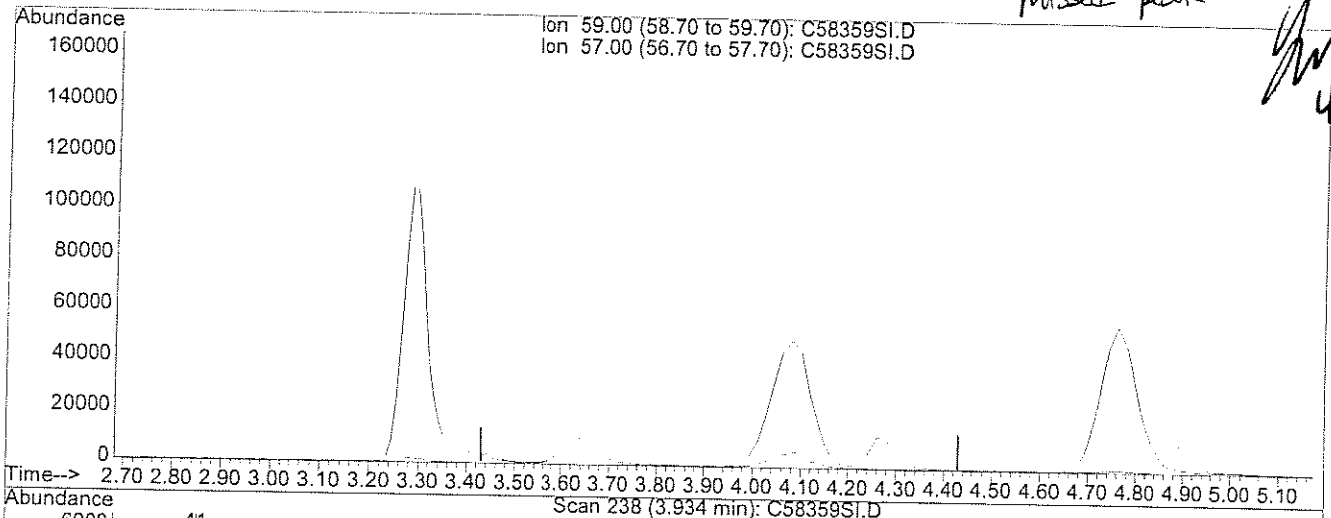
Vial: 8
Operator:
Inst : Instr_C
Multiplr: 1.00

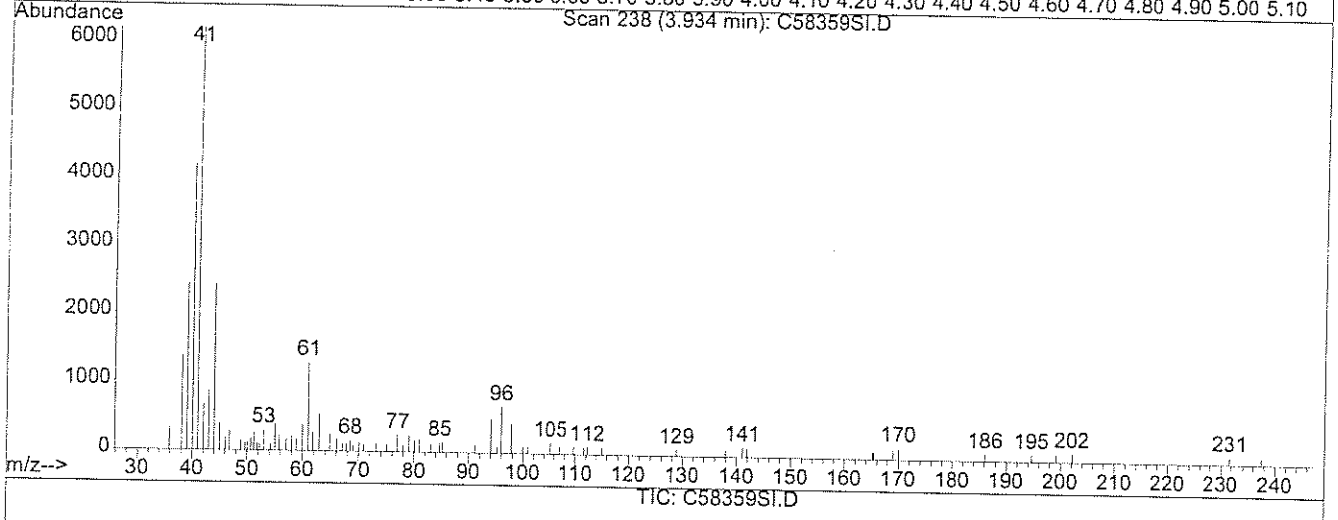
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Multiple Level Calibration

MT 4/18/06
missed peak

4-18-06





(7) t-Butyl alcohol (TBA) (TM)

3.93min 0.00ug/L

response 0

Ion	Exp%	Act%
59.00	100	0.00
57.00	14.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

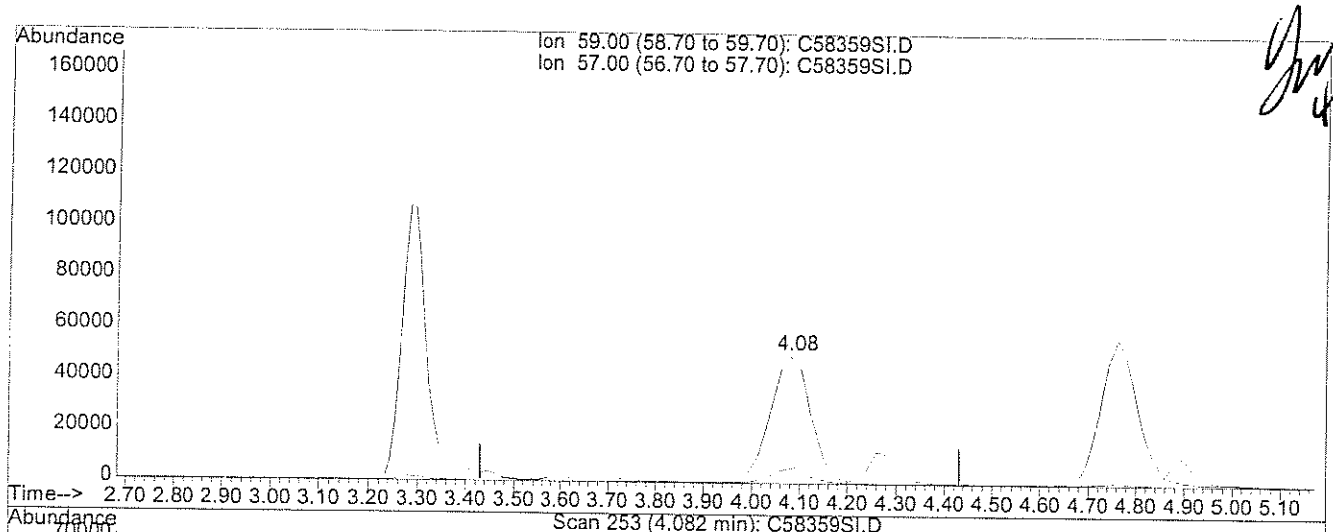
Data File : D:\HPCHEM\1\DATA\041706C\C58359SI.D
Acq On : 17 Apr 2006 2:24 pm
Sample : 100 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Apr 17 14:45 2006

Vial: 8
Operator:
Inst : Instr_C
Multiplr: 1.00

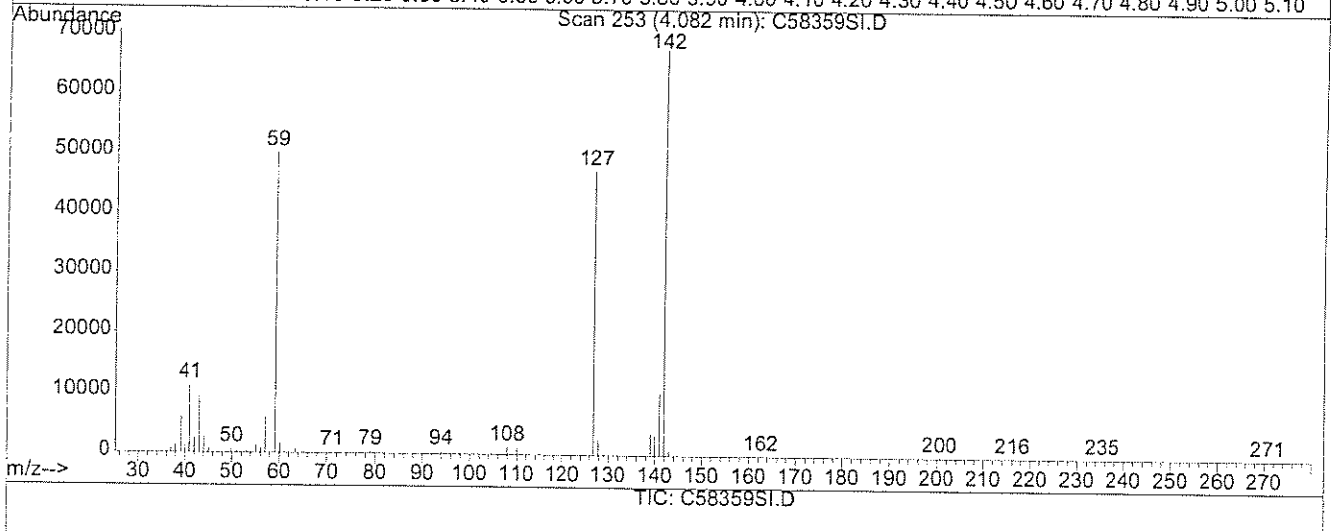
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 12 14:29:10 2006
Response via : Multiple Level Calibration

MT 4/18/06



4-18-06



TIC: C58359SI.D

(7) t-Butyl alcohol (TBA) (TM)

4.08min 397.42ug/L m

response 297502

Ion	Exp%	Act%
59.00	100	100
57.00	14.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\041706C\C58361SI.D
Acq On : 17 Apr 2006 3:34 pm
Sample : 2 PPB
Misc : 5000
Integration Params: rteint.p
Quant Time: Apr 17 15:42 2006

Vial: 10
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Apr 17 15:31:16 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/18/06

4.18.06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	253155	20.00	ug/L	0.00
39) 1,4-Difluorobenzene	8.50	114	406676	20.00	ug/L	0.00
63) *d5-Chlorobenzene	13.02	117	354417	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.74	152	175800	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB Holder #28	7.88	65	19564	1.94	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 9.70%#			
36) d4-1,2-Dichloroethane	7.88	65	19564	1.94	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 9.70%#			
54) d8-Toluene	10.76	98	46415	1.88	ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 9.40%#			
73) Bromofluorobenzene	14.90	95	18806	2.11	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 10.55%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.70	85	16614	1.95	ug/L	92
3) Chloromethane	1.96	50	15333	1.79	ug/L	87
4) Vinyl Chloride	2.04	62	16851	1.92	ug/L	98
5) Bromomethane	2.49	94	8855	1.95	ug/L	91
6) Chloroethane	2.58	64	8917	2.08	ug/L	92
7) t-Butyl alcohol (TBA)	3.86	59	6701	10.20	ug/L	98
8) Trichlorofluoromethane	2.90	101	29962	1.89	ug/L	93
9) Diethyl ether	3.27	74	5695	2.29	ug/L	89
10) 1,1,2-Trichlorotrifluoroet	3.46	101	12884	2.09	ug/L	98
11) Acrolein	3.43	56	5891	10.77	ug/L	85
12) Acetone	3.54	43	21228	9.66	ug/L #	86
13) 1,1-Dichloroethene	3.70	96	8498	1.89	ug/L #	69
14) Methyl iodide	4.13	142	19748	2.82	ug/L	86
15) Di-isopropyl ether (DIPE)	5.51	45	44405	2.00	ug/L	100
16) Methylene Chloride	4.44	84	11346	2.31	ug/L #	83
17) Carbon Disulfide	4.40	76	28735	1.99	ug/L	100
18) Acrylonitrile	4.66	53	3599	1.73	ug/L #	79
19) Methyl-tert-butyl ether (M	4.74	73	29654	1.74	ug/L #	90
20) trans-1,2-Dichloroethene	4.92	61	20603	1.86	ug/L	86
21) 1,1-Dichloroethane	5.61	63	26000	2.06	ug/L	95
22) Vinyl acetate	5.66	43	21211	2.01	ug/L #	95
23) Methyl ethyl ketone	6.32	72	5460	10.16	ug/L	97
24) Ethyl t-butyl ether (ETBE)	6.16	59	40660	1.95	ug/L #	88
25) 2,2-Dichloropropane	6.48	77	19058	1.96	ug/L	98
26) cis-1,2-Dichloroethene	6.56	96	14831	2.07	ug/L	91
27) t-Amyl methyl ether (TAME)	7.89	73	28370	1.95	ug/L	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\041706C\C58361SI.D
Acq On : 17 Apr 2006 3:34 pm
Sample : 2 PPB
Misc : 5000
Integration Params: rteint.p
Quant Time: Apr 17 15:42 2006

Vial: 10
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Apr 17 15:31:16 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29) Chloroform	6.80	83	23725	1.99 ug/L	89
30) Bromochloromethane	7.04	128	6983	1.84 ug/L #	90
31) Tetrahydrofuran	7.16	71	1215	2.09 ug/L #	72
32) 1,1,1-Trichloroethane	7.40	97	20514	1.89 ug/L	100
34) 1,1-Dichloropropene	7.64	75	17790	2.06 ug/L	91
35) Carbon Tetrachloride	7.77	119	15639	1.75 ug/L	92
37) 1,2-Dichloroethane	8.03	62	23101	1.96 ug/L	98
38) Benzene	8.03	78	41799	2.03 ug/L	98
40) Trichloroethene	8.96	95	14553	2.03 ug/L	97
41) 1,2-Dichloropropane	9.23	63	13473	2.00 ug/L	98
42) Methylmethacrylate	9.38	69	7577	1.82 ug/L	94
43) Methyl acetate	4.25	43	9059	1.47 ug/L #	84
44) Cyclohexane	7.41	56	22128	2.03 ug/L	96
45) Bromodichloromethane	9.56	83	16768	1.91 ug/L	97
46) Dibromomethane	9.63	93	9948	1.93 ug/L	96
47) 1,4-Dioxane	9.64	88	2904	45.65 ug/L	84
48) Methylcyclohexane	9.05	83	17663	2.03 ug/L	93
50) 2-Chloroethylvinyl ether	10.08	63	2153	2.74 ug/L	96
51) 2-Hexanone	11.45	58	22016	9.84 ug/L	95
52) Methyl isobutyl ketone	10.14	58	22755	9.84 ug/L	98
53) cis-1,3-Dichloropropene	10.40	75	19897	1.99 ug/L	95
55) Toluene	10.86	92	27676	2.09 ug/L	95
56) trans-1,3-Dichloropropene	11.16	75	17829	1.94 ug/L	96
58) 1,1,2-Trichloroethane	11.39	83	8649	1.97 ug/L	95
59) 1,3-Dichloropropane	11.76	76	17145	2.00 ug/L	98
60) Tetrachloroethene	11.85	166	17383	2.03 ug/L	92
61) Dibromochloromethane	12.13	129	13290	1.81 ug/L	99
62) 1,2-Dibromoethane	12.43	107	14575	1.96 ug/L	98
64) Chlorobenzene	13.08	112	37458	2.14 ug/L	91
65) 1,1,1,2-Tetrachloroethane	13.15	131	12477	2.00 ug/L	95
66) Ethylbenzene	13.18	91	55559	2.19 ug/L	93
67) m,p-Xylene	13.30	106	45389	4.45 ug/L	94
68) o-Xylene	13.96	106	21225	2.16 ug/L	99
69) Styrene	14.02	104	36441	2.10 ug/L	92
70) Bromoform	14.49	173	9425	1.71 ug/L	93
71) Isopropylbenzene	14.52	105	56625	2.16 ug/L	98
72) 1,1,2,2-Tetrachloroethane	14.79	83	13626	1.96 ug/L	96
74) 1,2,3-Trichloropropane	15.02	75	10386	2.00 ug/L #	89
75) trans-1,4-Dichloro-2-buten	15.14	89	4003	1.88 ug/L	95
76) n-Propylbenzene	15.15	91	66193	2.27 ug/L	97
77) Bromobenzene	15.17	156	16681	2.23 ug/L	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\041706C\C58361SI.D Vial: 10
Acq On : 17 Apr 2006 3:34 pm Operator:
Sample : 2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 17 15:42 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Apr 17 15:31:16 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
78)	1,3,5-Trimethylbenzene	15.41	105	47480	2.21	ug/L		97
79)	2-Chlorotoluene	15.40	91	44069	2.20	ug/L		99
80)	4-Chlorotoluene	15.48	91	39903	2.15	ug/L		95
81)	tert-butylbenzene	15.95	119	39960	2.09	ug/L		96
82)	1,2,4-Trimethylbenzene	16.01	105	46964	2.12	ug/L		94
83)	Diisobutylketone	15.11	57	165280	10.80	ug/L		95
84)	sec-butylbenzene	16.29	105	63847	2.18	ug/L		96
85)	p-isopropyltoluene	16.52	119	51135	2.17	ug/L		98
86)	1,3-Dichlorobenzene	16.62	146	27633	2.19	ug/L		96
88)	1,4-Dichlorobenzene	16.80	146	28472	2.22	ug/L		94
89)	n-butylbenzene	17.16	91	48948	2.28	ug/L		100
90)	1,2-Dichlorobenzene	17.36	146	25744	2.18	ug/L		97
92)	1,2-Dibromo-3-chloropropan	18.61	75	2426	1.88	ug/L	#	88
94)	1,2,4-Trichlorobenzene	20.02	180	21690	2.11	ug/L		98
95)	Hexachlorobutadiene	20.26	225	10511	2.01	ug/L		96
96)	Naphthalene	20.40	128	39260	2.07	ug/L		100
97)	1,2,3-Trichlorobenzene	20.81	180	19229	2.05	ug/L		97
98)	1,3,5-Trichlorobenzene	19.00	180	24539	2.13	ug/L		96

(#) = qualifier out of range (m) = manual integration

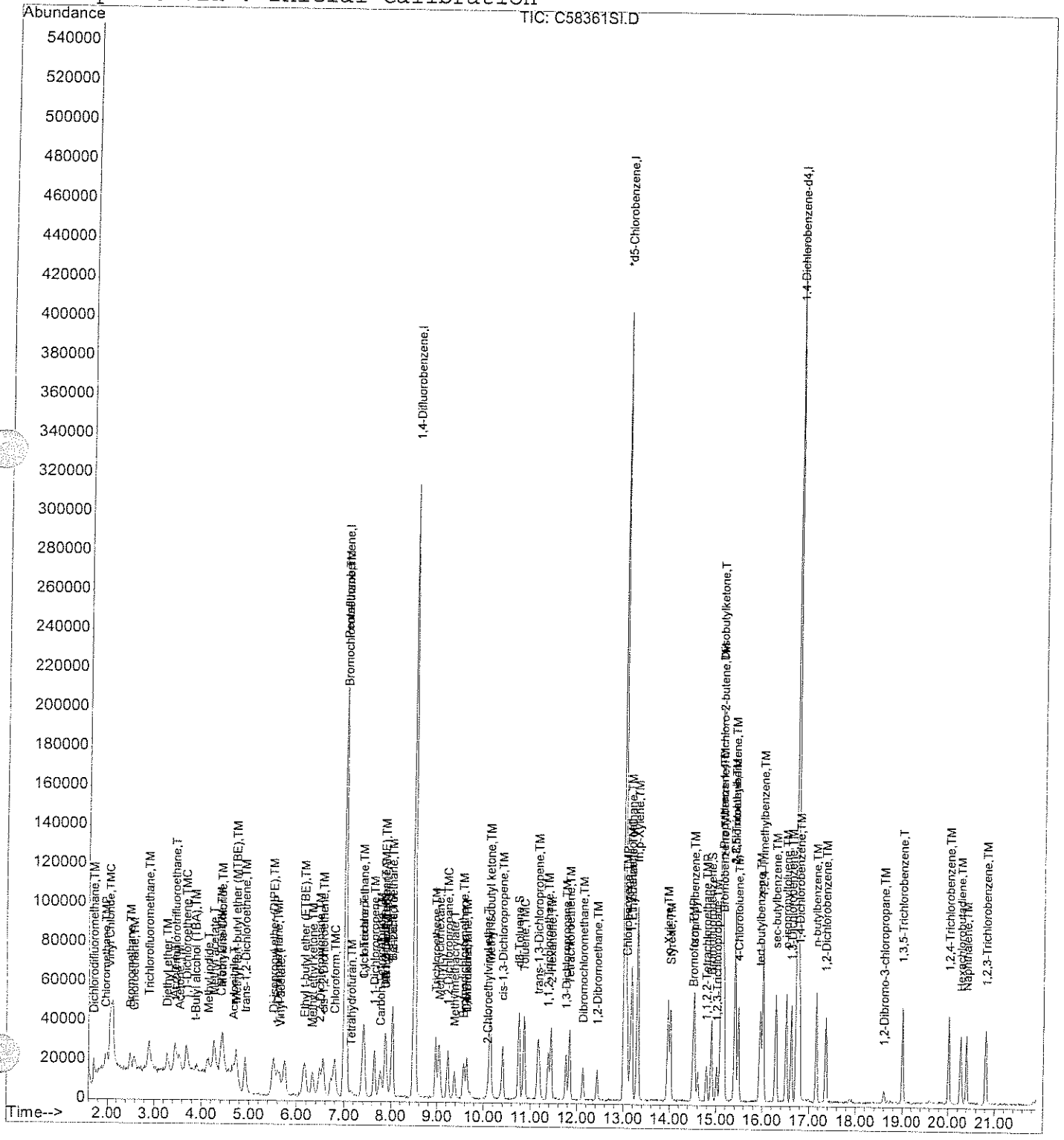
Quantitation Report

Data File : D:\HPCHEM\1\DATA\041706C\C58361SI.D
Acq On : 17 Apr 2006 3:34 pm
Sample : 2 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Apr 17 15:42 2006

Vial: 10
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Apr 17 15:48:39 2006
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : D:\HPCHEM\1\DATA\042606C\C58563SC.D
Acq On : 26 Apr 2006 10:13 am
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p

Vial: 16
Operator:
Inst : Instr_C
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Multiple Level Calibration

MT 4/27/06 4/27/06 SL ✓

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0 ✓	102	-0.02
2	TM	Dichlorodifluoromethane	0.675	0.631	6.5	98	0.00
3	TMP	Chloromethane	0.677	0.667 ✓	1.5	103	0.00
4	TMC	Vinyl Chloride	0.692	0.661	✓4.5	101	0.00
5	TM	Bromomethane	0.358	0.366	-2.2	96	0.00
6	TM	Chloroethane	0.339	0.314	7.4	105	0.00
7	TM	t-Butyl alcohol (TBA)	0.052	0.043#	17.3	87	-0.03
8	TM	Trichlorofluoromethane	1.250	1.215	2.8	102	0.00
9	TM	Diethyl ether	0.197	0.185	6.1	103	-0.02
10	T	1,1,2-Trichlorotrifluoroeth	0.488	0.495	-1.4	108	-0.02
11	T	Acrolein	0.043	0.051#	-18.6	106	-0.02
12	TM	Acetone	0.174	0.144	17.2	92	0.00
13	TMC	1,1-Dichloroethene	0.356	0.378	✓-6.2	111	0.00
[illegible]	T	Methyl iodide	0.553	0.381	✓31.1#	70	0.00
[illegible]	TM	Di-isopropyl ether (DIPE)	1.755	1.717	2.2	101	-0.03
16	TM	Methylene Chloride	0.388	0.421	-8.5	116	-0.02
17	TM	Carbon Disulfide	1.140	1.259	-10.4	114	-0.02
18	T	Acrylonitrile	0.164	0.162	1.2	98	-0.02
19	TM	Methyl-tert-butyl ether (MT	1.344	1.286	4.3	100	-0.02
20	TM	trans-1,2-Dichloroethene	0.874	0.850	2.7	103	0.00
21	TMP	1,1-Dichloroethane	0.998	0.976 ✓	2.2	102	0.00
22	T	Vinyl acetate	0.832	0.966	-16.1	105	-0.03
23	TM	Methyl ethyl ketone	0.042	0.039#	7.1	95	-0.02
24	TM	Ethyl t-butyl ether (ETBE)	1.644	1.601	2.6	101	-0.02
25	TM	2,2-Dichloropropane	0.767	0.733	4.4	102	-0.02
26	TM	cis-1,2-Dichloroethene	0.567	0.554	2.3	101	0.00
27	TM	t-Amyl methyl ether (TAME)	1.150	1.122	2.4	99	-0.02
28	S	DB Holder #28	0.795	0.729	8.3	100	0.00
29	TMC	Chloroform	0.941	0.916	✓2.7	100	-0.02
30	TM	Bromochloromethane	0.301	0.269	10.6	93	0.00
31	TM	Tetrahydrofuran	0.046	0.045#	2.2	101	-0.03
32	TM	1,1,1-Trichloroethane	0.856	0.829	3.2	100	-0.02
33	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.49
34	TM	1,1-Dichloropropene	0.681	0.657	3.5	100	-0.02
35	TM	Carbon Tetrachloride	0.706	0.675	4.4	95	-0.02
36	S	d4-1,2-Dichloroethane	0.795	0.729	8.3	100	0.00
37	TM	1,2-Dichloroethane	0.929	0.879	5.4	97	-0.02
38	TM	Benzene	1.623	1.554	4.3	101	-0.02
[illegible]	I	1,4-Difluorobenzene	1.000	1.000	0.0 ✓	103	-0.02
40	TM	Trichloroethene	0.352	0.341	3.1	103	-0.02

(#) = Out of Range

Data File : D:\HPCHEM\1\DATA\042606C\C58563SC.D Vial: 16
Acq On : 26 Apr 2006 10:13 am Operator:
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41	TMC	1,2-Dichloropropane	0.331	0.313	√5.4	100	-0.02
42	T	Methylmethacrylate	0.205	0.184	10.2	98	-0.02
43	T	Methyl acetate	0.302	0.260	13.9	94	-0.02
44	T	Cyclohexane	0.535	0.525	1.9	106	-0.02
45	TM	Bromodichloromethane	0.433	0.412	4.8	98	-0.02
46	TM	Dibromomethane	0.253	0.227	10.3	91	-0.02
47	T	1,4-Dioxane	0.003	0.003#	0.0	89	-0.03
48	T	Methylcyclohexane	0.427	0.413	3.3	100	-0.02
49	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.49
50	T	2-Chloroethylvinyl ether	0.098	0.092#	6.1	90	-0.03
51	TM	2-Hexanone	0.110	0.099#	10.0	96	0.00
52	TM	Methyl isobutyl ketone	0.114	0.106	7.0	98	-0.02
53	TM	cis-1,3-Dichloropropene	0.492	0.466	5.3	100	-0.02
[illegible]	S	d8-Toluene	1.119	1.060	5.3	101	-0.02
55	TMC	Toluene	0.663	0.656	✓1.1	103	-0.02
56	TM	trans-1,3-Dichloropropene	0.469	0.436	7.0	97	-0.02
57	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.49
58	TM	1,1,2-Trichloroethane	0.218	0.204	6.4	97	-0.02
59	TM	1,3-Dichloropropane	0.426	0.400	6.1	97	-0.02
60	TM	Tetrachloroethene	0.427	0.397	7.0	102	-0.02
61	TM	Dibromochloromethane	0.368	0.354	3.8	98	-0.03
62	TM	1,2-Dibromoethane	0.369	0.345	6.5	96	-0.02
63	I	*d5-Chlorobenzene	1.000	1.000	0.0	✓100	-0.02
64	TMP	Chlorobenzene	1.008	1.017✓	-0.9	105	-0.02
65	TM	1,1,1,2-Tetrachloroethane	0.358	0.364	-1.7	102	-0.02
66	TMC	Ethylbenzene	1.457	1.443	✓1.0	100	-0.02
67	TM	m,p-Xylene	0.584	0.569	2.6	100	-0.02
68	TM	o-Xylene	0.565	0.563	0.4	101	-0.02
69	TM	Styrene	0.994	0.986	0.8	100	-0.02
70	TMP	Bromoform	0.310	0.318✓	-2.6	97	-0.03
71	TM	Isopropylbenzene	1.500	1.496	0.3	101	-0.02
72	TMP	1,1,2,2-Tetrachloroethane	0.392	0.359✓	8.4	96	-0.02
73	S	Bromofluorobenzene	0.508	0.472	7.1	100	-0.02
74	TM	1,2,3-Trichloropropane	0.291	0.260	10.7	93	-0.02
75	TM	trans-1,4-Dichloro-2-butene	0.121	0.117	3.3	102	-0.02
76	TM	n-Propylbenzene	1.680	1.636	2.6	101	-0.02
77	TM	Bromobenzene	0.432	0.419	3.0	100	-0.02
78	TM	1,3,5-Trimethylbenzene	1.238	1.195	3.5	100	-0.02
[illegible]	TM	2-Chlorotoluene	1.158	1.129	2.5	102	-0.02
80	TM	4-Chlorotoluene	1.063	1.014	4.6	98	-0.02

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\HPCHEM\1\DATA\042606C\C58563SC.D
Acq On : 26 Apr 2006 10:13 am
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p

Vial: 16
Operator:
Inst : Instr_C
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
81	TM	tert-butylbenzene	1.094	1.046	4.4	101	-0.02
82	TM	1,2,4-Trimethylbenzene	1.259	1.232	2.1	102	-0.02
83	T	Diisobutylketone	0.882	0.841	4.6	99	-0.02
84	TM	sec-butylbenzene	1.686	1.617	4.1	99	-0.02
85	TM	p-isopropyltoluene	1.354	1.323	2.3	101	-0.02
86	TM	1,3-Dichlorobenzene	0.730	0.703	3.7	100	-0.02
87	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	-0.02
88	TM	1,4-Dichlorobenzene	1.494	1.480	0.9	102	-0.02
89	TM	n-butylbenzene	2.504	2.466	1.5	102	-0.02
90	TM	1,2-Dichlorobenzene	1.379	1.332	3.4	102	-0.02
91	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.49
92	TM	1,2-Dibromo-3-chloropropane	0.147	0.137	6.8	96	-0.02
[illegible]	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.49
[illegible]	TM	1,2,4-Trichlorobenzene	1.185	1.157	2.4	102	-0.02
95	TM	Hexachlorobutadiene	0.605	0.606	-0.2	107	0.00
96	TM	Naphthalene	2.161	2.012	6.9	100	-0.02
97	TM	1,2,3-Trichlorobenzene	1.075	1.059	1.5	106	-0.02
98	T	1,3,5-Trichlorobenzene	1.331	1.325	0.5	104	-0.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606C\C58563SC.D Vial: 16
Acq On : 26 Apr 2006 10:13 am Operator:
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 26 10:14 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/27/06 4/27/06 SL ✓

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.00	168	247763	20.00	ug/L	-0.02
39) 1,4-Difluorobenzene	8.48	114	400928	20.00	ug/L	-0.02
63) *d5-Chlorobenzene	13.00	117	349921 ✓	20.00	ug/L	-0.02
87) 1,4-Dichlorobenzene-d4	16.72	152	171709	20.00	ug/L	-0.02
System Monitoring Compounds						
28) DB Holder #28	7.87	65	180564	18.34	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 91.70% ✓			
36) d4-1,2-Dichloroethane	7.87	65	180564	18.34	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 91.70% ✓			
54) d8-Toluene	10.73	98	424789	18.93	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 94.65% ✓			
73) Bromofluorobenzene	14.88	95	165243	18.59	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 92.95% ✓			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.69	85	156247	18.70	ug/L	100
3) Chloromethane	1.94	50	165218	19.71	ug/L	97
4) Vinyl Chloride	2.03	62	163705	19.09	ug/L	99
5) Bromomethane	2.47	94	90742	20.44	ug/L	96
6) Chloroethane	2.56	64	77682	18.48	ug/L	95
7) t-Butyl alcohol (TBA)	3.87	59	52883	82.22	ug/L	100
8) Trichlorofluoromethane	2.87	101	300945	19.43	ug/L	97
9) Diethyl ether	3.25	74	45922	18.83	ug/L	96
10) 1,1,2-Trichlorotrifluoroet	3.43	101	122620	20.28	ug/L	99
11) Acrolein	3.41	56	63436	118.53	ug/L	99
12) Acetone	3.53	43	178801	83.15	ug/L	96
13) 1,1-Dichloroethene	3.67	96	93612	21.25	ug/L	96
14) Methyl iodide	4.11	142	94276	13.77	ug/L	97
15) Di-isopropyl ether (DIPE)	5.48	45	425419	19.57	ug/L	100
16) Methylene Chloride	4.42	84	104216	21.69	ug/L	98
17) Carbon Disulfide	4.38	76	311985	22.10	ug/L	100
18) Acrylonitrile	4.64	53	40228	19.76	ug/L	96
19) Methyl-tert-butyl ether (M	4.72	73	318571	19.14	ug/L	99
20) trans-1,2-Dichloroethene	4.90	61	210610	19.44	ug/L	99
21) 1,1-Dichloroethane	5.59	63	241826	19.57	ug/L	98
22) Vinyl acetate	5.63	43	239314	23.21	ug/L	100
23) Methyl ethyl ketone	6.30	72	47720	90.77	ug/L	99
24) Ethyl t-butyl ether (ETBE)	6.13	59	396788	19.49	ug/L	100
25) 2,2-Dichloropropane	6.46	77	181504	19.11	ug/L	97
26) cis-1,2-Dichloroethene	6.54	96	137263	19.55	ug/L	97
27) t-Amyl methyl ether (TAME)	7.86	73	277936	19.51	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606C\C58563SC.D
Acq On : 26 Apr 2006 10:13 am
Sample : 20 PPB
Misc : 5000
Integration Params: rteint.p
Quant Time: Apr 26 10:14 2006

Vial: 16
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29) Chloroform	6.78	83	227051	19.48 ug/L	97
30) Bromochloromethane	7.02	128	66719	17.92 ug/L	99
31) Tetrahydrofuran	7.12	71	11077	19.49 ug/L	95
32) 1,1,1-Trichloroethane	7.37	97	205454	19.37 ug/L	96
34) 1,1-Dichloropropene	7.62	75	162675	19.27 ug/L	96
35) Carbon Tetrachloride	7.75	119	167248	19.11 ug/L	98
37) 1,2-Dichloroethane	8.01	62	217795	18.93 ug/L	100
38) Benzene	8.01	78	384986	19.15 ug/L	98
40) Trichloroethene	8.94	95	136592	19.37 ug/L	96
41) 1,2-Dichloropropane	9.21	63	125580	18.92 ug/L	97
42) Methylmethacrylate	9.36	69	73789	17.96 ug/L	98
43) Methyl acetate	4.23	43	104420	17.23 ug/L	99
44) Cyclohexane	7.38	56	210645	19.62 ug/L	98
45) Bromodichloromethane	9.54	83	165017	19.03 ug/L	97
46) Dibromomethane	9.61	93	90912	17.94 ug/L	96
47) 1,4-Dioxane	9.62	88	27152	432.98 ug/L	99
48) Methylcyclohexane	9.03	83	165748	19.36 ug/L	98
50) 2-Chloroethylvinyl ether	10.06	63	37082	18.88 ug/L	97
51) 2-Hexanone	11.43	58	198887	89.98 ug/L	96
52) Methyl isobutyl ketone	10.12	58	211621	92.85 ug/L	100
53) cis-1,3-Dichloropropene	10.38	75	187015	18.95 ug/L	96
55) Toluene	10.85	92	262906	19.77 ug/L	97
56) trans-1,3-Dichloropropene	11.14	75	174939	18.62 ug/L	99
58) 1,1,2-Trichloroethane	11.37	83	81685	18.68 ug/L	98
59) 1,3-Dichloropropane	11.74	76	160348	18.76 ug/L	100
60) Tetrachloroethene	11.82	166	159290	18.63 ug/L	99
61) Dibromochloromethane	12.11	129	141789	19.24 ug/L	98
62) 1,2-Dibromoethane	12.41	107	138328	18.68 ug/L	97
64) Chlorobenzene	13.06	112	355796	20.17 ug/L	98
65) 1,1,1,2-Tetrachloroethane	13.13	131	127545	20.39 ug/L	96
66) Ethylbenzene	13.16	91	504864	19.80 ug/L	99
67) m,p-Xylene	13.28	106	397878	38.93 ug/L	98
68) o-Xylene	13.94	106	196905	19.91 ug/L	97
69) Styrene	14.00	104	345142	19.84 ug/L	96
70) Bromoform	14.47	173	111183	20.48 ug/L	96
71) Isopropylbenzene	14.50	105	523557	19.95 ug/L	100
72) 1,1,2,2-Tetrachloroethane	14.77	83	125753	18.32 ug/L	98
74) 1,2,3-Trichloropropane	15.00	75	90870	17.82 ug/L	96
75) trans-1,4-Dichloro-2-buten	15.12	89	40864	19.25 ug/L	96
76) n-Propylbenzene	15.13	91	572460	19.48 ug/L	100
77) Bromobenzene	15.15	156	146484	19.38 ug/L	94

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606C\C58563SC.D
Acq On : 26 Apr 2006 10:13 am
Sample : 20 PPB
Misc : 5000
Integration Params: rteint.p
Quant Time: Apr 26 10:14 2006

Vial: 16
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
78) 1,3,5-Trimethylbenzene	15.39	105	418281	19.31 ug/L	97
79) 2-Chlorotoluene	15.38	91	395147	19.51 ug/L	98
80) 4-Chlorotoluene	15.46	91	354649	19.07 ug/L	96
81) tert-butylbenzene	15.93	119	365851	19.11 ug/L	96
82) 1,2,4-Trimethylbenzene	15.99	105	431022	19.56 ug/L	100
83) Diisobutylketone	15.10	57	1470596	95.31 ug/L	98
84) sec-butylbenzene	16.27	105	565817	19.18 ug/L	97
85) p-isopropyltoluene	16.50	119	463109	19.55 ug/L	97
86) 1,3-Dichlorobenzene	16.60	146	245878	19.25 ug/L	98
88) 1,4-Dichlorobenzene	16.77	146	254140	19.81 ug/L	100
89) n-butylbenzene	17.14	91	423445	19.70 ug/L	100
90) 1,2-Dichlorobenzene	17.34	146	228650	19.31 ug/L	100
92) 1,2-Dibromo-3-chloropropan	18.59	75	23456	18.55 ug/L	89
94) 1,2,4-Trichlorobenzene	20.00	180	198690	19.54 ug/L	96
95) Hexachlorobutadiene	20.25	225	104072	20.02 ug/L	97
96) Naphthalene	20.38	128	345564	18.63 ug/L	100
97) 1,2,3-Trichlorobenzene	20.79	180	181755	19.70 ug/L	99
98) 1,3,5-Trichlorobenzene	18.99	180	227443	19.90 ug/L	100

(#) = qualifier out of range (m) = manual integration

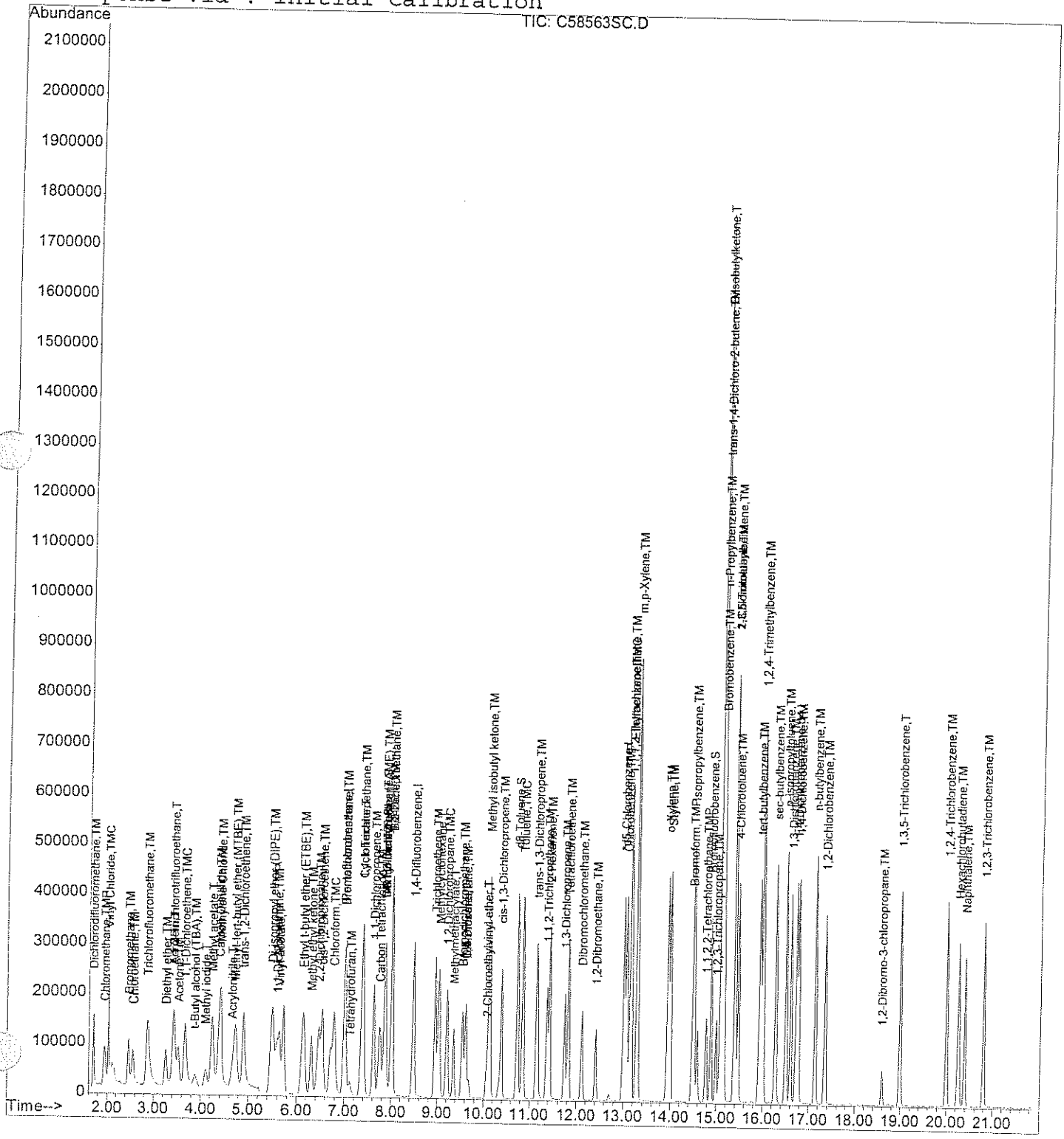
Quantitation Report

Data File : D:\HPCHEM\1\DATA\042606C\C58563SC.D
Acq On : 26 Apr 2006 10:13 am
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Apr 26 10:14 2006

Vial: 16
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : D:\HPCHEM\1\DATA\042806C\C58652SC.D Vial: 2
Acq On : 28 Apr 2006 12:30 pm Operator:
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Multiple Level Calibration

MT 4/29/06 5.1.06

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	✓99	-0.04
2	TM	Dichlorodifluoromethane	0.675	0.669	0.9	100	-0.01
3	TMP	Chloromethane	0.677	0.711✓	-5.0	106	-0.01
4	TMC	Vinyl Chloride	0.692	0.729	✓-5.3	108	-0.01
5	TM	Bromomethane	0.358	0.423	-18.2	107	-0.02
6	TM	Chloroethane	0.339	0.364	-7.4	118	-0.02
7	TM	t-Butyl alcohol (TBA)	0.052	0.056#	-7.7	111	-0.05
8	TM	Trichlorofluoromethane	1.250	1.338	-7.0	108	-0.02
9	TM	Diethyl ether	0.197	0.210	-6.6	113	-0.03
10	T	1,1,2-Trichlorotrifluoroeth	0.488	0.579	-18.6	122	-0.03
11	T	Acrolein	0.043	0.048#	-11.6	97	-0.03
12	TM	Acetone	0.174	0.184	-5.7	114	-0.03
13	TMC	1,1-Dichloroethene	0.356	0.425	✓-19.4	121	-0.02
14	T	Methyl iodide	0.553	0.462	16.5	83	-0.04
15	TM	Di-isopropyl ether (DIPE)	1.755	2.001	-14.0	114	-0.04
16	TM	Methylene Chloride	0.388	0.437	-12.6	116	-0.04
17	TM	Carbon Disulfide	1.140	1.435 LCS OK	-25.9#	126	-0.04
18	T	Acrylonitrile	0.164	0.192	-17.1	112	-0.04
19	TM	Methyl-tert-butyl ether (MT	1.344	1.487	-10.6	112	-0.04
20	TM	trans-1,2-Dichloroethene	0.874	0.972	-11.2	114	-0.03
21	TMP	1,1-Dichloroethane	0.998	1.122✓	-12.4	113	-0.03
22	T	Vinyl acetate	0.832	1.073 LCS OK	-29.0#	113	-0.04
23	TM	Methyl ethyl ketone	0.042	0.047#	-11.9	113	-0.04
24	TM	Ethyl t-butyl ether (ETBE)	1.644	1.825	-11.0	112	-0.03
25	TM	2,2-Dichloropropane	0.767	0.832	-8.5	112	-0.04
26	TM	cis-1,2-Dichloroethene	0.567	0.631	-11.3	111	-0.03
27	TM	t-Amyl methyl ether (TAME)	1.150	1.278	-11.1	109	-0.03
28	S	DB Holder #28	0.795	0.730	8.2	97	-0.03
29	TMC	Chloroform	0.941	1.045	✓-11.1	110	-0.04
30	TM	Bromochloromethane	0.301	0.316	-5.0	105	-0.04
31	TM	Tetrahydrofuran	0.046	0.055#	-19.6	119	-0.05
32	TM	1,1,1-Trichloroethane	0.856	0.950	-11.0	111	-0.04
33	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.49
34	TM	1,1-Dichloropropene	0.681	0.768	-12.8	113	-0.04
35	TM	Carbon Tetrachloride	0.706	0.805	-14.0	110	-0.04
36	S	d4-1,2-Dichloroethane	0.795	0.730	8.2	97	-0.03
37	TM	1,2-Dichloroethane	0.929	0.986	-6.1	105	-0.04
38	TM	Benzene	1.623	1.784	-9.9	112	-0.04
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	✓99	-0.04
40	TM	Trichloroethene	0.352	0.384	-9.1	112	-0.04

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\HPCHEM\1\DATA\042806C\C58652SC.D Vial: 2
Acq On : 28 Apr 2006 12:30 pm Operator:
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41	TMC	1,2-Dichloropropane	0.331	0.357	√-7.9	110	-0.04
42	T	Methylmethacrylate	0.205	0.222	-8.3	114	-0.04
43	T	Methyl acetate	0.302	0.319	-5.6	110	-0.04
44	T	Cyclohexane	0.535	0.609	-13.8	118	-0.04
45	TM	Bromodichloromethane	0.433	0.467	-7.9	107	-0.03
46	TM	Dibromomethane	0.253	0.268	-5.9	103	-0.04
47	T	1,4-Dioxane	0.003	0.003#	0.0	106	-0.05
48	T	Methylcyclohexane	0.427	0.471	-10.3	109	-0.04
49	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.49
50	T	2-Chloroethylvinyl ether	0.098	0.092#	6.1	87	-0.04
51	TM	2-Hexanone	0.110	0.127	-15.5	118	-0.03
52	TM	Methyl isobutyl ketone	0.114	0.131	-14.9	117	-0.04
53	TM	cis-1,3-Dichloropropene	0.492	0.533	-8.3	110	-0.04
[illegible]	S	d8-Toluene	1.119	1.106	1.2	102	-0.03
55	TMC	Toluene	0.663	0.734	√-10.7	111	-0.03
56	TM	trans-1,3-Dichloropropene	0.469	0.494	-5.3	106	-0.04
57	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.49
58	TM	1,1,2-Trichloroethane	0.218	0.240	-10.1	111	-0.04
59	TM	1,3-Dichloropropane	0.426	0.464	-8.9	108	-0.03
60	TM	Tetrachloroethene	0.427	0.454	-6.3	112	-0.03
61	TM	Dibromochloromethane	0.368	0.402	-9.2	108	-0.04
62	TM	1,2-Dibromoethane	0.369	0.410	-11.1	110	-0.04
63	I	*d5-Chlorobenzene	1.000	1.000	0.0	√99	-0.04
64	TMP	Chlorobenzene	1.008	1.095√	-8.6	113	-0.04
65	TM	1,1,1,2-Tetrachloroethane	0.358	0.390	-8.9	109	-0.03
66	TMC	Ethylbenzene	1.457	1.612	√-10.6	111	-0.04
67	TM	m,p-Xylene	0.584	0.639	-9.4	111	-0.03
68	TM	o-Xylene	0.565	0.616	-9.0	110	-0.04
69	TM	Styrene	0.994	1.047	-5.3	105	-0.04
70	TMP	Bromoform	0.310	0.344√	-11.0	105	-0.04
71	TM	Isopropylbenzene	1.500	1.629	-8.6	109	-0.03
72	TMP	1,1,2,2-Tetrachloroethane	0.392	0.417√	-6.4	110	-0.03
73	S	Bromofluorobenzene	0.508	0.490	3.5	103	-0.03
74	TM	1,2,3-Trichloropropane	0.291	0.301	-3.4	107	-0.04
75	TM	trans-1,4-Dichloro-2-butene	0.121	0.128	-5.8	112	-0.03
76	TM	n-Propylbenzene	1.680	1.860	-10.7	114	-0.04
77	TM	Bromobenzene	0.432	0.468	-8.3	112	-0.03
7[illegible]	TM	1,3,5-Trimethylbenzene	1.238	1.348	-8.9	112	-0.04
[illegible]	TM	2-Chlorotoluene	1.158	1.243	-7.3	112	-0.03
80	TM	4-Chlorotoluene	1.063	1.106	-4.0	106	-0.03

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\HPCHEM\1\DATA\042806C\C58652SC.D Vial: 2
Acq On : 28 Apr 2006 12:30 pm Operator:
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
81	TM	tert-butylbenzene	1.094	1.183	-8.1	113	-0.03
82	TM	1,2,4-Trimethylbenzene	1.259	1.343	-6.7	111	-0.03
83	T	Diisobutylketone	0.882	0.947	-7.4	111	-0.04
84	TM	sec-butylbenzene	1.686	1.828	-8.4	111	-0.03
85	TM	p-isopropyltoluene	1.354	1.373	-1.4	104	-0.03
86	TM	1,3-Dichlorobenzene	0.730	0.767	-5.1	109	-0.03
87	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	✓99	-0.03
88	TM	1,4-Dichlorobenzene	1.494	1.593	-6.6	108	-0.03
89	TM	n-butylbenzene	2.504	2.752	-9.9	111	-0.03
90	TM	1,2-Dichlorobenzene	1.379	1.472	-6.7	111	-0.03
91	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.49
92	TM	1,2-Dibromo-3-chloropropane	0.147	0.159	-8.2	110	-0.03
93	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.49
94	TM	1,2,4-Trichlorobenzene	1.185	1.247	-5.2	108	-0.04
95	TM	Hexachlorobutadiene	0.605	0.642	-6.1	111	-0.03
96	TM	Naphthalene	2.161	2.341	-8.3	114	-0.03
97	TM	1,2,3-Trichlorobenzene	1.075	1.114	-3.6	109	-0.04
98	T	1,3,5-Trichlorobenzene	1.331	1.389	-4.4	107	-0.04

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042806C\C58652SC.D
Acq On : 28 Apr 2006 12:30 pm
Sample : 20 PPB
Misc : 5000
Integration Params: rteint.p
Quant Time: Apr 28 13:06 2006

Vial: 2
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 4/29/06

5.1.06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.97	168	239559	20.00	ug/L	-0.04
39) 1,4-Difluorobenzene	8.45	114	386355	20.00	ug/L	-0.04
63) *d5-Chlorobenzene	12.98	117	347917	20.00	ug/L	-0.04
87) 1,4-Dichlorobenzene-d4	16.71	152	168397	20.00	ug/L	-0.03
System Monitoring Compounds						
28) DB Holder #28	7.84	65	174846	18.36	ug/L	-0.03
Spiked Amount 20.000	Range 70 - 130		Recovery = 91.80%			
36) d4-1,2-Dichloroethane	7.84	65	174846	18.36	ug/L	-0.03
Spiked Amount 20.000	Range 70 - 130		Recovery = 91.80%			
54) d8-Toluene	10.71	98	427495	19.77	ug/L	-0.03
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.85%			
73) Bromofluorobenzene	14.86	95	170567	19.29	ug/L	-0.03
Spiked Amount 20.000	Range 70 - 130		Recovery = 96.45%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.69	85	160369	19.85	ug/L	98
3) Chloromethane	1.94	50	170380	21.02	ug/L	98
4) Vinyl Chloride	2.01	62	174737	21.07	ug/L	99
5) Bromomethane	2.46	94	101286	23.60	ug/L	99
6) Chloroethane	2.55	64	87198	21.45	ug/L	95
7) t-Butyl alcohol (TBA)	3.85	59	67468	108.49	ug/L	98
8) Trichlorofluoromethane	2.85	101	320426	21.39	ug/L	98
9) Diethyl ether	3.24	74	50302	21.33	ug/L	97
10) 1,1,2-Trichlorotrifluoroet	3.41	101	138611	23.71	ug/L	99
11) Acrolein	3.39	56	58045	112.17	ug/L	99
12) Acetone	3.50	43	220092	105.86	ug/L	97
13) 1,1-Dichloroethene	3.65	96	101776	23.89	ug/L	99
14) Methyl iodide	4.08	142	110753	16.73	ug/L	98
15) Di-isopropyl ether (DIPE)	5.47	45	479428	22.81	ug/L	99
16) Methylene Chloride	4.39	84	104596	22.52	ug/L	97
17) Carbon Disulfide	4.35	76	343698	25.18	ug/L	100
18) Acrylonitrile	4.62	53	45986	23.36	ug/L	99
19) Methyl-tert-butyl ether (M	4.70	73	356333	22.14	ug/L	99
20) trans-1,2-Dichloroethene	4.87	61	232798	22.23	ug/L	98
21) 1,1-Dichloroethane	5.56	63	268878	22.50	ug/L	98
22) Vinyl acetate	5.61	43	257026	25.78	ug/L	99
23) Methyl ethyl ketone	6.27	72	56781	111.71	ug/L	95
24) Ethyl t-butyl ether (ETBE)	6.12	59	437213	22.21	ug/L	100
25) 2,2-Dichloropropane	6.43	77	199263	21.70	ug/L	97
26) cis-1,2-Dichloroethene	6.51	96	151139	22.26	ug/L	96
27) t-Amyl methyl ether (TAME)	7.84	73	306041	22.22	ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042806C\C58652SC.D Vial: 2
Acq On : 28 Apr 2006 12:30 pm Operator:
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 28 13:06 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	Chloroform	6.76	83	250287	22.20 ug/L	93
30)	Bromochloromethane	6.98	128	75674	21.02 ug/L	94
31)	Tetrahydrofuran	7.09	71	13121	23.88 ug/L	95
32)	1,1,1-Trichloroethane	7.35	97	227560	22.19 ug/L	96
34)	1,1-Dichloropropene	7.60	75	183986	22.54 ug/L	97
35)	Carbon Tetrachloride	7.72	119	192824	22.79 ug/L	98
37)	1,2-Dichloroethane	7.98	62	236240	21.23 ug/L	98
38)	Benzene	7.98	78	427351	21.98 ug/L	99
40)	Trichloroethene	8.92	95	148259	21.82 ug/L	94
41)	1,2-Dichloropropane	9.18	63	138089	21.59 ug/L	99
42)	Methylmethacrylate	9.33	69	85865	21.69 ug/L	95
43)	Methyl acetate	4.20	43	123242	21.11 ug/L	99
44)	Cyclohexane	7.36	56	235482	22.77 ug/L	97
45)	Bromodichloromethane	9.53	83	180425	21.59 ug/L	95
46)	Dibromomethane	9.59	93	103383	21.16 ug/L	95
47)	1,4-Dioxane	9.60	88	32352	535.36 ug/L	99
48)	Methylcyclohexane	9.01	83	182014	22.06 ug/L	99
50)	2-Chloroethylvinyl ether	10.04	63	35718	18.87 ug/L	98
51)	2-Hexanone	11.40	58	245221	115.13 ug/L	98
52)	Methyl isobutyl ketone	10.09	58	253725	115.52 ug/L	99
53)	cis-1,3-Dichloropropene	10.36	75	206039	21.66 ug/L	97
55)	Toluene	10.83	92	283404	22.11 ug/L	98
56)	trans-1,3-Dichloropropene	11.12	75	190815	21.08 ug/L	100
58)	1,1,2-Trichloroethane	11.34	83	92774	22.02 ug/L	95
59)	1,3-Dichloropropane	11.73	76	179120	21.75 ug/L	98
60)	Tetrachloroethene	11.81	166	175384	21.28 ug/L	99
61)	Dibromochloromethane	12.09	129	155334	21.87 ug/L	98
62)	1,2-Dibromoethane	12.39	107	158397	22.20 ug/L	96
64)	Chlorobenzene	13.04	112	380848	21.72 ug/L	98
65)	1,1,1,2-Tetrachloroethane	13.12	131	135774	21.83 ug/L	97
66)	Ethylbenzene	13.14	91	560775	22.12 ug/L	99
67)	m,p-Xylene	13.27	106	444365	43.73 ug/L	99
68)	o-Xylene	13.92	106	214337	21.79 ug/L	99
69)	Styrene	13.98	104	364432	21.07 ug/L	98
70)	Bromoform	14.46	173	119699	22.18 ug/L	97
71)	Isopropylbenzene	14.49	105	566617	21.71 ug/L	99
72)	1,1,2,2-Tetrachloroethane	14.75	83	145011	21.25 ug/L	96
74)	1,2,3-Trichloropropane	14.97	75	104647	20.64 ug/L	96
75)	trans-1,4-Dichloro-2-buten	15.11	89	44629	21.14 ug/L	97
76)	n-Propylbenzene	15.11	91	646965	22.14 ug/L	99
77)	Bromobenzene	15.14	156	162963	21.68 ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042806C\C58652SC.D Vial: 2
Acq On : 28 Apr 2006 12:30 pm Operator:
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 28 13:06 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
78) 1,3,5-Trimethylbenzene	15.37	105	469031	21.78 ug/L	99
79) 2-Chlorotoluene	15.37	91	432474	21.47 ug/L	98
80) 4-Chlorotoluene	15.44	91	384892	20.81 ug/L	98
81) tert-butylbenzene	15.92	119	411555	21.62 ug/L	99
82) 1,2,4-Trimethylbenzene	15.98	105	467408	21.34 ug/L	97
83) Diisobutylketone	15.07	57	1647162	107.37 ug/L	97
84) sec-butylbenzene	16.25	105	635997	21.69 ug/L	97
85) p-isopropyltoluene	16.48	119	477722	20.29 ug/L	98
86) 1,3-Dichlorobenzene	16.59	146	266875	21.01 ug/L	97
88) 1,4-Dichlorobenzene	16.76	146	268309	21.32 ug/L	98
89) n-butylbenzene	17.12	91	463411	21.98 ug/L	99
90) 1,2-Dichlorobenzene	17.33	146	247862	21.34 ug/L	99
92) 1,2-Dibromo-3-chloropropan	18.57	75	26827	21.63 ug/L	84
94) 1,2,4-Trichlorobenzene	19.97	180	210055	21.06 ug/L	98
95) Hexachlorobutadiene	20.23	225	108040	21.20 ug/L	96
96) Naphthalene	20.37	128	394147	21.66 ug/L	100
97) 1,2,3-Trichlorobenzene	20.77	180	187532	20.73 ug/L	97
98) 1,3,5-Trichlorobenzene	18.96	180	233855	20.87 ug/L	100

(#) = qualifier out of range (m) = manual integration

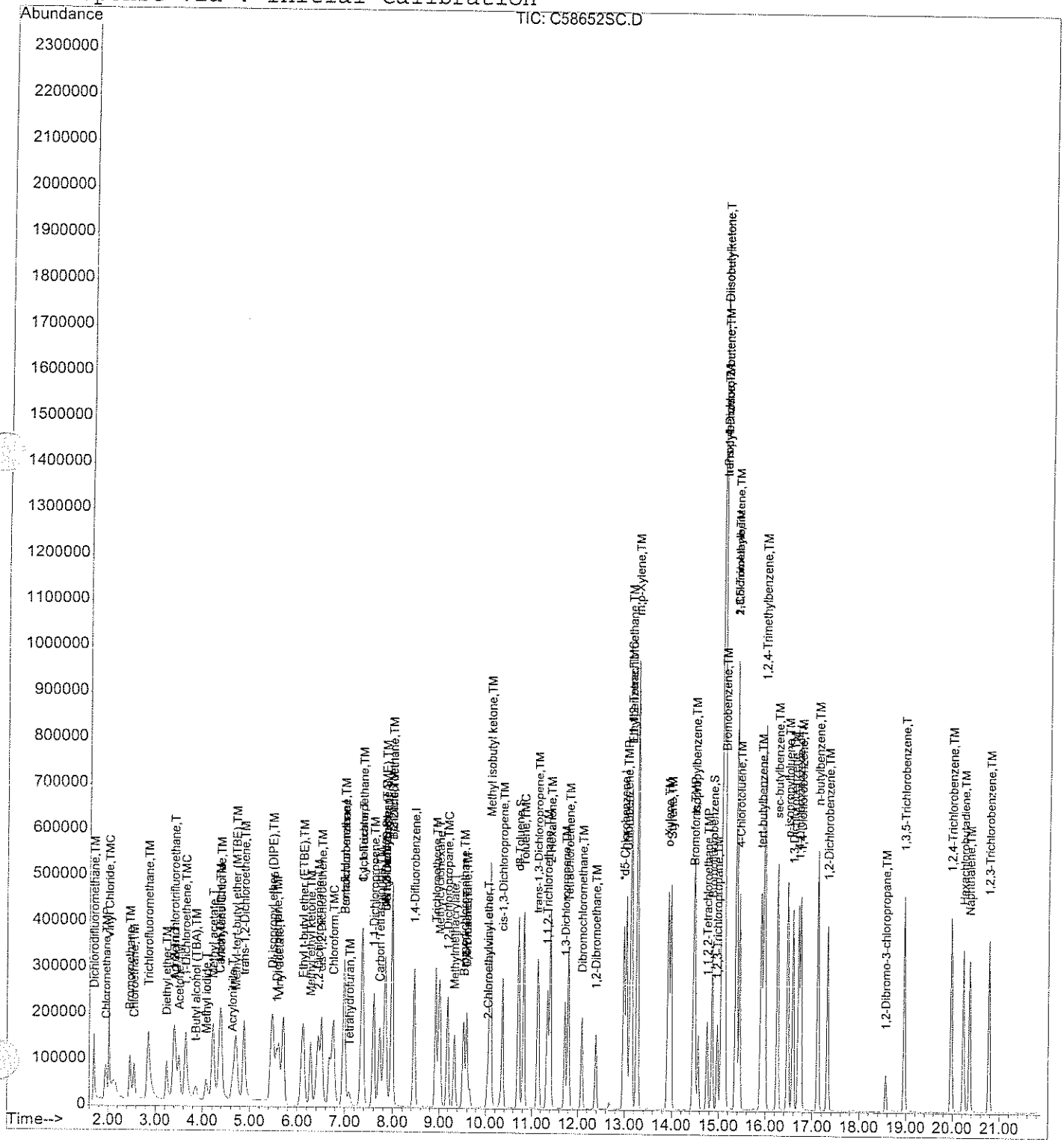
Quantitation Report

Data File : D:\HPCHEM\1\DATA\042806C\C58652SC.D
Acq On : 28 Apr 2006 12:30 pm
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Apr 28 13:06 2006

Vial: 2
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : D:\HPCHEM\1\DATA\050106C\C58690SC.D
Acq On : 1 May 2006 10:01 am
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p

Vial: 13
Operator:
Inst : Instr_C
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Multiple Level Calibration

MT 5/2/06

5-3-06

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0 ✓	102	-0.06
2	TM	Dichlorodifluoromethane	0.675	0.536	20.6#	82	-0.02
3	TMP	Chloromethane	0.677	0.550 ✓	18.8	84	-0.01
4	TMC	Vinyl Chloride	0.692	0.627	✓9.4	95	-0.02
5	TM	Bromomethane	0.358	0.337	5.9	88	-0.03
6	TM	Chloroethane	0.339	0.290	14.5	96	-0.03
7	TM	t-Butyl alcohol (TBA)	0.052	0.049#	5.8	100	-0.07
8	TM	Trichlorofluoromethane	1.250	1.158	7.4	96	-0.03
9	TM	Diethyl ether	0.197	0.181	8.1	100	-0.04
10	T	1,1,2-Trichlorotrifluoroeth	0.488	0.479	1.8	103	-0.04
11	T	Acrolein	0.043	0.044#	-2.3	89	-0.04
12	TM	Acetone	0.174	0.164	5.7	104	-0.05
13	TMC	1,1-Dichloroethene	0.356	0.353	✓0.8	103	-0.05
14	T	Methyl iodide	0.553	0.542	2.0	99	-0.06
15	TM	Di-isopropyl ether (DIPE)	1.755	1.674	4.6	98	-0.06
16	TM	Methylene Chloride	0.388	0.377	2.8	103	-0.06
17	TM	Carbon Disulfide	1.140	1.224	-7.4	110	-0.06
18	T	Acrylonitrile	0.164	0.174	-6.1	104	-0.05
19	TM	Methyl-tert-butyl ether (MT	1.344	1.331	1.0	103	-0.06
20	TM	trans-1,2-Dichloroethene	0.874	0.862	1.4	104	-0.05
21	TMP	1,1-Dichloroethane	0.998	0.968 ✓	3.0	100	-0.06
22	T	Vinyl acetate	0.832	1.061	-27.5#	115	-0.06
23	TM	Methyl ethyl ketone	0.042	0.042#	0.0	103	-0.06
24	TM	Ethyl t-butyl ether (ETBE)	1.644	1.624	1.2	102	-0.05
25	TM	2,2-Dichloropropane	0.767	0.750	2.2	103	-0.06
26	TM	cis-1,2-Dichloroethene	0.567	0.538	5.1	97	-0.05
27	TM	t-Amyl methyl ether (TAME)	1.150	1.129	1.8	99	-0.05
28	S	DB Holder #28	0.795	0.750	5.7	102	-0.05
29	TMC	Chloroform	0.941	0.898	✓4.6	97	-0.06
30	TM	Bromochloromethane	0.301	0.273	9.3	93	-0.06
31	TM	Tetrahydrofuran	0.046	0.046#	0.0	103	-0.07
32	TM	1,1,1-Trichloroethane	0.856	0.846	1.2	101	-0.06
33	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.49
34	TM	1,1-Dichloropropene	0.681	0.667	2.1	101	-0.06
35	TM	Carbon Tetrachloride	0.706	0.745	-5.5	104	-0.06
36	S	d4-1,2-Dichloroethane	0.795	0.750	5.7	102	-0.05
37	TM	1,2-Dichloroethane	0.929	0.915	1.5	100	-0.06
38	TM	Benzene	1.623	1.526	6.0	98	-0.06
39	I	1,4-Difluorobenzene	1.000	1.000	0.0 ✓	100	-0.06
40	TM	Trichloroethene	0.352	0.339	3.7	100	-0.06

(#) = Out of Range

Data File : D:\HPCHEM\1\DATA\050106C\C58690SC.D
Acq On : 1 May 2006 10:01 am
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p

Vial: 13
Operator:
Inst : Instr_C
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41	TMC	1,2-Dichloropropane	0.331	0.314	√5.1	98	-0.06
42	T	Methylmethacrylate	0.205	0.192	6.3	100	-0.05
43	T	Methyl acetate	0.302	0.276	8.6	96	-0.06
44	T	Cyclohexane	0.535	0.528	1.3	103	-0.06
45	TM	Bromodichloromethane	0.433	0.422	2.5	98	-0.05
46	TM	Dibromomethane	0.253	0.237	6.3	92	-0.06
47	T	1,4-Dioxane	0.003	0.003#	0.0	96	-0.07
48	T	Methylcyclohexane	0.427	0.414	3.0	97	-0.06
49	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.49
50	T	2-Chloroethylvinyl ether	0.098	0.070#	28.6#	66	-0.06
51	TM	2-Hexanone	0.110	0.113	-2.7	106	-0.05
52	TM	Methyl isobutyl ketone	0.114	0.118	-3.5	106	-0.05
53	TM	cis-1,3-Dichloropropene	0.492	0.475	3.5	99	-0.05
	S	d8-Toluene	1.119	1.047	6.4	97	-0.05
55	TMC	Toluene	0.663	0.636	√4.1	97	-0.05
56	TM	trans-1,3-Dichloropropene	0.469	0.456	2.8	99	-0.05
57	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.49
58	TM	1,1,2-Trichloroethane	0.218	0.213	2.3	99	-0.06
59	TM	1,3-Dichloropropane	0.426	0.407	4.5	95	-0.05
60	TM	Tetrachloroethene	0.427	0.410	4.0	102	-0.05
61	TM	Dibromochloromethane	0.368	0.369	-0.3	100	-0.06
62	TM	1,2-Dibromoethane	0.369	0.366	0.8	99	-0.05
63	I	*d5-Chlorobenzene	1.000	1.000	0.0	✓98	-0.05
64	TMP	Chlorobenzene	1.008	0.975✓	3.3	99	-0.06
65	TM	1,1,1,2-Tetrachloroethane	0.358	0.367	-2.5	101	-0.05
66	TMC	Ethylbenzene	1.457	1.413	√3.0	97	-0.06
67	TM	m,p-Xylene	0.584	0.571	2.2	99	-0.05
68	TM	o-Xylene	0.565	0.557	1.4	99	-0.05
69	TM	Styrene	0.994	0.976	1.8	97	-0.05
70	TMP	Bromoform	0.310	0.337✓	-8.7	102	-0.06
71	TM	Isopropylbenzene	1.500	1.495	0.3	99	-0.05
72	TMP	1,1,2,2-Tetrachloroethane	0.392	0.365✓	6.9	95	-0.05
73	S	Bromofluorobenzene	0.508	0.484	4.7	100	-0.05
74	TM	1,2,3-Trichloropropane	0.291	0.281	3.4	98	-0.05
75	TM	trans-1,4-Dichloro-2-butene	0.121	0.118	2.5	102	-0.05
76	TM	n-Propylbenzene	1.680	1.627	3.2	99	-0.05
77	TM	Bromobenzene	0.432	0.423	2.1	100	-0.05
78	TM	1,3,5-Trimethylbenzene	1.238	1.214	1.9	100	-0.05
79	TM	2-Chlorotoluene	1.158	1.046	9.7	93	0.03
80	TM	4-Chlorotoluene	1.063	1.046	1.6	99	-0.05

(#) = Out of Range

Data File : D:\HPCHEM\1\DATA\050106C\C58690SC.D
Acq On : 1 May 2006 10:01 am
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p

Vial: 13
Operator:
Inst : Instr_C
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
81	TM	tert-butylbenzene	1.094	1.067	2.5	101	-0.05
82	TM	1,2,4-Trimethylbenzene	1.259	1.227	2.5	100	-0.05
83	T	Diisobutylketone	0.882	0.860	2.5	100	-0.05
84	TM	sec-butylbenzene	1.686	1.636	3.0	98	-0.05
85	TM	p-isopropyltoluene	1.354	1.300	4.0	98	-0.05
86	TM	1,3-Dichlorobenzene	0.730	0.719	1.5	101	-0.05
87	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	✓100	-0.05
88	TM	1,4-Dichlorobenzene	1.494	1.463	2.1	100	-0.05
89	TM	n-butylbenzene	2.504	2.390	4.6	97	-0.05
90	TM	1,2-Dichlorobenzene	1.379	1.371	0.6	104	-0.05
91	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.49
92	TM	1,2-Dibromo-3-chloropropane	0.147	0.148	-0.7	103	-0.05
93	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.49
94	TM	1,2,4-Trichlorobenzene	1.185	1.206	-1.8	105	-0.05
95	TM	Hexachlorobutadiene	0.605	0.609	-0.7	106	-0.05
96	TM	Naphthalene	2.161	2.129	1.5	104	-0.05
97	TM	1,2,3-Trichlorobenzene	1.075	1.050	2.3	104	-0.05
98	T	1,3,5-Trichlorobenzene	1.331	1.325	0.5	103	-0.05

Data File : D:\HPCHEM\1\DATA\050106C\C58690SC.D
Acq On : 1 May 2006 10:01 am
Sample : 20 PPB
Misc : 5000
IS Integration Params: rteint.p
Quant Time: May 1 9:57 2006

Vial: 13
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

MT 5/2/06

5.3.06

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.95	168	245651	20.00 ug/L	-0.06
39) 1,4-Difluorobenzene	8.43	114	389418	20.00 ug/L	-0.06
63) *d5-Chlorobenzene	12.97	117	344136	20.00 ug/L	-0.05
87) 1,4-Dichlorobenzene-d4	16.69	152	169858	20.00 ug/L	-0.05
System Monitoring Compounds					
28) DB Holder #28	7.82	65	184285	18.88 ug/L	-0.05
Spiked Amount 20.000	Range 70 - 130		Recovery = 94.40%		
36) d4-1,2-Dichloroethane	7.82	65	184285	18.88 ug/L	-0.05
Spiked Amount 20.000	Range 70 - 130		Recovery = 94.40%		
54) d8-Toluene	10.69	98	407721	18.71 ug/L	-0.05
Spiked Amount 20.000	Range 70 - 130		Recovery = 93.55%		
73) Bromofluorobenzene	14.84	95	166582	19.05 ug/L	-0.05
Spiked Amount 20.000	Range 70 - 130		Recovery = 95.25%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.68	85	131680	15.89 ug/L	100
3) Chloromethane	1.94	50	135066	16.25 ug/L	99
4) Vinyl Chloride	2.00	62	153986	18.11 ug/L	100
5) Bromomethane	2.45	94	82851	18.83 ug/L	100
6) Chloroethane	2.54	64	71132	17.07 ug/L	99
7) t-Butyl alcohol (TBA)	3.83	59	60341	94.62 ug/L	99
8) Trichlorofluoromethane	2.84	101	284408	18.52 ug/L	99
9) Diethyl ether	3.23	74	44529	18.41 ug/L	96
10) 1,1,2-Trichlorotrifluoroet	3.40	101	117605	19.62 ug/L	97
11) Acrolein	3.38	56	53694	101.19 ug/L	99
12) Acetone	3.48	43	201501	94.52 ug/L	100
13) 1,1-Dichloroethene	3.62	96	86745	19.86 ug/L #	84
14) Methyl iodide	4.06	142	133248	19.63 ug/L	97
15) Di-isopropyl ether (DIPE)	5.45	45	411234	19.08 ug/L	100
16) Methylene Chloride	4.37	84	92600	19.44 ug/L	97
17) Carbon Disulfide	4.33	76	300580	21.47 ug/L	100
18) Acrylonitrile	4.61	53	42770	21.19 ug/L	93
19) Methyl-tert-butyl ether (M	4.68	73	326973	19.81 ug/L	99
20) trans-1,2-Dichloroethene	4.85	61	211781	19.72 ug/L	98
21) 1,1-Dichloroethane	5.53	63	237894	19.42 ug/L	99
22) Vinyl acetate	5.59	43	260600	25.49 ug/L	98
23) Methyl ethyl ketone	6.25	72	52111	99.98 ug/L	99
24) Ethyl t-butyl ether (ETBE)	6.10	59	399021	19.77 ug/L	99
25) 2,2-Dichloropropane	6.41	77	184155	19.56 ug/L	99
26) cis-1,2-Dichloroethene	6.49	96	132118	18.97 ug/L	96
27) t-Amyl methyl ether (TAME)	7.82	73	277366	19.64 ug/L	99

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\050106C\C58690SC.D
Acq On : 1 May 2006 10:01 am
Sample : 20 PPB
Misc : 5000
Integration Params: rteint.p
Quant Time: May 1 9:57 2006

Vial: 13
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29) Chloroform	6.74	83	220658	19.09 ug/L	96
30) Bromochloromethane	6.96	128	67082	18.17 ug/L	92
31) Tetrahydrofuran	7.07	71	11317	20.09 ug/L	88
32) 1,1,1-Trichloroethane	7.33	97	207783	19.76 ug/L	99
34) 1,1-Dichloropropene	7.58	75	163806	19.57 ug/L	98
35) Carbon Tetrachloride	7.70	119	183074	21.10 ug/L	100
37) 1,2-Dichloroethane	7.96	62	224675	19.69 ug/L	99
38) Benzene	7.96	78	374881	18.80 ug/L	98
40) Trichloroethene	8.90	95	132193	19.30 ug/L	96
41) 1,2-Dichloropropane	9.16	63	122469	19.00 ug/L	97
42) Methylmethacrylate	9.32	69	74742	18.73 ug/L	99
43) Methyl acetate	4.18	43	107355	18.24 ug/L	98
44) Cyclohexane	7.34	56	205685	19.73 ug/L	98
45) Bromodichloromethane	9.51	83	164385	19.52 ug/L	97
46) Dibromomethane	9.57	93	92241	18.74 ug/L	97
47) 1,4-Dioxane	9.58	88	29495	484.24 ug/L	99
48) Methylcyclohexane	8.99	83	161110	19.38 ug/L	98
50) 2-Chloroethylvinyl ether	10.02	63	27083	14.20 ug/L	98
51) 2-Hexanone	11.38	58	219696	102.33 ug/L	99
52) Methyl isobutyl ketone	10.08	58	229037	103.46 ug/L	99
53) cis-1,3-Dichloropropene	10.35	75	184955	19.29 ug/L	95
55) Toluene	10.81	92	247621	19.17 ug/L	98
56) trans-1,3-Dichloropropene	11.11	75	177673	19.47 ug/L	97
58) 1,1,2-Trichloroethane	11.32	83	82861	19.51 ug/L	93
59) 1,3-Dichloropropane	11.71	76	158345	19.07 ug/L	99
60) Tetrachloroethene	11.79	166	159787	19.24 ug/L	98
61) Dibromochloromethane	12.07	129	143785	20.09 ug/L	98
62) 1,2-Dibromoethane	12.38	107	142475	19.81 ug/L	98
64) Chlorobenzene	13.02	112	335626	19.35 ug/L	99
65) 1,1,1,2-Tetrachloroethane	13.10	131	126275	20.52 ug/L	94
66) Ethylbenzene	13.12	91	486270	19.39 ug/L	99
67) m,p-Xylene	13.25	106	392951	39.09 ug/L	100
68) o-Xylene	13.91	106	191517	19.69 ug/L	98
69) Styrene	13.97	104	335865	19.64 ug/L	98
70) Bromoform	14.44	173	116092	21.75 ug/L	97
71) Isopropylbenzene	14.47	105	514640	19.94 ug/L	99
72) 1,1,2,2-Tetrachloroethane	14.73	83	125593	18.61 ug/L	96
74) 1,2,3-Trichloropropane	14.96	75	96574	19.26 ug/L	97
75) trans-1,4-Dichloro-2-buten	15.09	89	40645	19.46 ug/L	96
76) n-Propylbenzene	15.10	91	559909	19.37 ug/L	99
77) Bromobenzene	15.12	156	145603	19.58 ug/L	92

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\050106C\C58690SC.D Vial: 13
Acq On : 1 May 2006 10:01 am Operator:
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
J Integration Params: rteint.p
Quant Time: May 1 9:57 2006 Quant Results File: V804176C.RES

Quant Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration
DataAcq Meth : V804176C

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
78)	1,3,5-Trimethylbenzene	15.36	105	417807	19.61 ug/L	99
79)	2-Chlorotoluene	15.42	91	359845	18.06 ug/L	95
80)	4-Chlorotoluene	15.42	91	359845	19.67 ug/L	99
81)	tert-butylbenzene	15.90	119	367149	19.50 ug/L	99
82)	1,2,4-Trimethylbenzene	15.96	105	422287	19.49 ug/L	99
83)	Diisobutylketone	15.06	57	1479124	97.48 ug/L	99
84)	sec-butylbenzene	16.23	105	562998	19.41 ug/L	97
85)	p-isopropyltoluene	16.46	119	447249	19.20 ug/L	99
86)	1,3-Dichlorobenzene	16.57	146	247346	19.69 ug/L	97
88)	1,4-Dichlorobenzene	16.74	146	248539	19.58 ug/L	99
89)	n-butylbenzene	17.10	91	406003	19.09 ug/L	100
90)	1,2-Dichlorobenzene	17.31	146	232890	19.88 ug/L	99
92)	1,2-Dibromo-3-chloropropan	18.55	75	25073	20.04 ug/L #	80
94)	1,2,4-Trichlorobenzene	19.96	180	204783	20.36 ug/L	94
95)	Hexachlorobutadiene	20.21	225	103509	20.13 ug/L	97
96)	Naphthalene	20.35	128	361674	19.71 ug/L	100
97)	1,2,3-Trichlorobenzene	20.76	180	178381	19.54 ug/L	96
98)	1,3,5-Trichlorobenzene	18.95	180	225004	19.90 ug/L	97

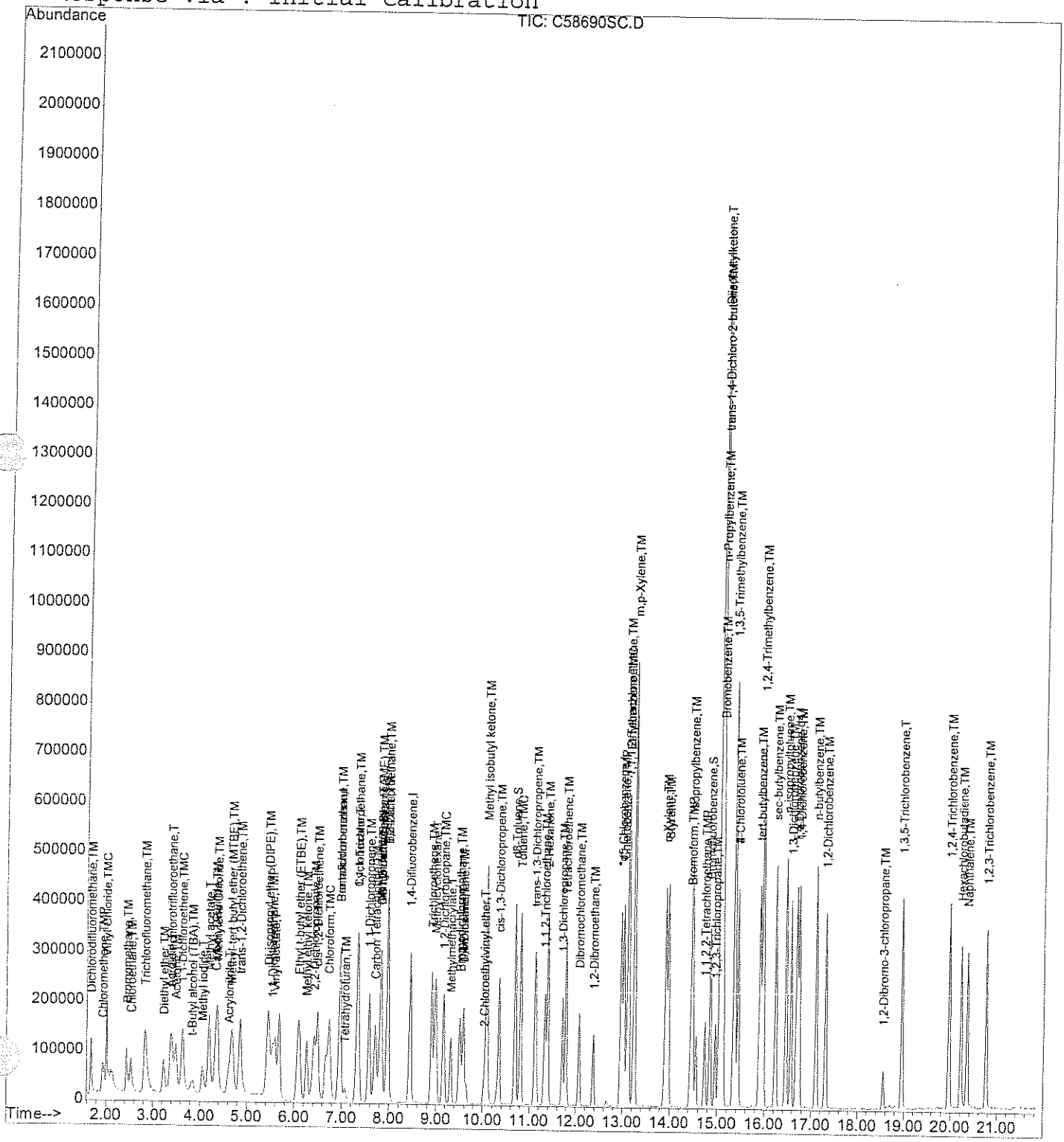
(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\050106C\C58690SC.D
Acq On : 1 May 2006 10:01 am
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: May 1 9:57 2006

Vial: 13
Operator:
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804176C.RES

Method : D:\HPCHEM\1\METHODS\V804176C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Apr 19 15:41:22 2006
Response via : Initial Calibration



analytics environmental laboratory LLC

VOLATILE ORGAN
INTERNAL STANDARD AREA AND RT SUM

Project #: Quote #: SDG#: 56384

BFB File ID: C58352T.D Site ID: Subbase Groton Site 7 Location: CT

Instrument ID: C BFB Injection Date: 4/17/06

GC Column: RTX-502.2 ID: 0.25(mm) BFB Injection Time: 1130

Heated Purge: (Y/N) N

		IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #	IS4 AREA #	RT #
	12 HOUR STD	241982	7.02	389266	8.49	349891	13.02	169896	16.74
	UPPER LIMIT	314577	7.44	506046	9.00	454858	13.80	220865	17.74
	LOWER LIMIT	169387	6.59	272486	7.99	244924	12.24	118927	15.73
	SAMPLE NO.								
01	0.2 PPB	231622	7.01	361455	8.49	322548	13.02	162831	16.74
02	1 PPB	244191	7.02	386660	8.50	342009	13.02	171356	16.74
03	ZZZZZ	239677	7.02	384402	8.50	341836	13.02	169426	16.74
04	5 PPB	239660	7.02	380784	8.50	336657	13.02	169433	16.74
05	20 PPB	241982	7.02	389266	8.49	349891	13.02	169896	16.74
06	50 PPB	229040	7.01	367442	8.50	333852	13.02	164964	16.75
07	100 PPB	218019	7.01	348915	8.49	327955	13.03	162161	16.74
08	ZZZZZ	239181	7.01	386037	8.50	343164	13.02	173545	16.74
09	2 PPB	253155	7.02	406676	8.50	354417	13.02	175800	16.74
10	ZZZZZ	241499	7.02	385779	8.50	333756	13.03	165439	16.74
11	ZZZZZ	243865	7.02	396537	8.50	343727	13.02	166923	16.75
12	ZZZZZ	240583	7.02	393515	8.50	351507	13.02	175343	16.75
13	ZZZZZ	262629	7.01	417334	8.50	363327	13.01	179740	16.74
14	ZZZZZ	238707	7.01	392103	8.49	349782	13.02	172468	16.74
15	ZZZZZ	255323	7.01	413357	8.49	366137	13.02	183892	16.74
16	ZZZZZ	256140	7.01	404058	8.49	356790	13.02	177341	16.74
17	ZZZZZ	258695	7.01	418845	8.49	356365	13.0198	177138	16.74
18	ZZZZZ	255653	7.01	404343	8.49	364537	13.0145	180047	16.74
19	ZZZZZ	248948	7.01	389679	8.49	347573	13.0203	164834	16.74
20	ZZZZZ	233850	7.00	391320	8.48	346552	13.0098	168761	16.74
21	ZZZZZ	260592	7.01	427752	8.48	368225	13.0105	175117	16.74
22									
23									
24									

IS1 = Pentafluorobenzene
IS2 = Fluorobenzene
IS3 = Chlorobenzer
IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +30% of internal standard area
AREA LOWER LIMIT = -30% of internal standard area
RT UPPER LIMIT = +0.06 minutes of internal standard RRT
RT LOWER LIMIT = -0.06 minutes of internal standard RRT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

GC/MS QA-QC Check Report

Tune File : D:\HPCHEM\1\DATA\041706C\C58352T.D
Tune Time : 17 Apr 2006 11:30 am

Daily Calibration File : D:\HPCHEM\1\DATA\041706C\C58357SI.D

4-18-06

241982 389266 349891

MT 4/18/06

169896

File	Sample	Surrogate Recovery %				Internal Standard Responses		
C58353SI.D	0.2 PPB	2*	2*	2*	2*	231622	361455	322548
				162831				
C58354SI.D	1 PPB	6*	6*	6*	6*	244191	386660	342009
				171356				
C58355SI.D	2 PPB	9*	9*	10*	9*	239677	384402	341836
				169426				
C58356SI.D	5 PPB	21*	21*	22*	22*	239660	380784	336657
				169433				
C58357SI.D	20 PPB	86	86	94	87	241982	389266	349891
				169896				
C58358SI.D	50 PPB	216*	216*	230*	218*	229040	367442	333852
				164964				
C58359SI.D	100 PPB	441*	441*	453*	419*	218019	348915	327955
				162161				
C58361SI.D	2 PPB	10*	10*	9*	11*	253155	406676	354417
				175800				
C58362Q.D	L804176C	90	90	96	99	241499	385779	333756
				165439				
C58363Q.D	L804176C	93	93	96	97	243865	396537	343727
				166923				
C58364.D	BROMOFOR	94	94	98	95	240583	393515	351507
				175343				
C58365B.D	B804176C	92	92	95	95	262629	417334	363327
				179740				
C58366.D	56232-12	94	94	99	97	238707	392103	349782
				172468				
C58367.D	56240-5	91	91	98	97	255323	413357	366137
				183892				
C58368.D	56240-1	91	92	99	94	256140	404058	356790
				177341				
C58369.D	56240-2	93	93	95	97	258695	418845	356365
				177138				

C58370.D	56240-3	93	93	99	96	255653	404343	364537
				180047				
C58371SP.D	56240-3,	93	93	98	95	248948	389679	347573
				164834				
C58372SP.D	56240-3,	97	97	96	94	233850	391320	346552
				168761				
C58373.D	56240-4	92	92	93	94	260592	427752	368225
				175117				

t - fails 12hr time check * - fails criteria

Created: Tue Apr 18 07:44:53 2006 Instr_C

analytics environmental laboratory LLC

VOLATILE ORGAN
INTERNAL STANDARD AREA AND RT SUM

Project #:

Quote #:

SDG#: 56384

BFB File ID: C58562T.D

Site ID: Subbase New London Site 7

Location: CT

Instrument ID: C

BFB Injection Date: 4/26/06

GC Column: RTX-502.2

ID: 0.25(mm)

BFB Injection Time: 0940

Heated Purge: (Y/N) N

		IS1 AREA	#	RT	#	IS2 AREA	#	RT	#	IS3 AREA	#	RT	#	IS4 AREA	#	RT	#
	12 HOUR STD	247763		7.00		400928		8.48		349921		13.00		171709		16.72	
	UPPER LIMIT	322092		7.42		521206		8.99		454897		13.78		223222		17.73	
	LOWER LIMIT	173434		6.58		280650		7.97		244945		12.22		120196		15.72	
	SAMPLE NO.																
01	20 PPB	247763		7.00		400928		8.48		349921		13.00		171709		16.72	
02	LS04266C	232841		6.99		372593		8.47		336512		13.00		169596		16.73	
03	LS04266C2	231590		6.99		371136		8.47		333306		13.01		169550		16.73	
04	ZZZZZ	262763		6.99		429609		8.48		367510		13.01		186548		16.73	
05	MB04266C	238435		6.99		381629		8.48		339953		13.01		181261		16.73	
06	ZZZZZ	239662		6.99		385919		8.48		355662		13.00		185668		16.73	
07	ZZZZZ	237161		6.99		381553		8.48		353268		13.00		186508		16.73	
08	ZZZZZ	241517		7.00		394986		8.47		354618		13.01		193064		16.73	
09	ZZZZZ	245344		6.99		399848		8.48		363296		13.02		190683		16.73	
10	ZZZZZ	246982		6.99		404119		8.48		369741		13.01		191075		16.73	
11	ZZZZZ	242559		6.99		392371		8.48		346775		13.01		192424		16.74	
12	ZZZZZ	238823		7.00		392762		8.49		358492		13.01		181712		16.74	
13	ZZZZZ	276644		7.01		431301		8.49		380653		13.02		177160		16.74	
14	ZZZZZ	267867		7.01		433040		8.49		382708		13.02		181322		16.74	
15	ZZZZZ	276993		7.01		448962		8.49		396110		13.02		185989		16.74	
16	ZZZZZ	276311		7.01		441652		8.49		380392		13.02		179653		16.74	
17	ZZZZZ	274961		7.01		444804		8.49		399117		13.0198		191699		16.75	
18	ZZZZZ	285586		7.01		462476		8.49		408133		13.02		194267		16.74	
19	ZZZZZ	265219		7.02		429592		8.50		386984		13.0238		188525		16.74	
20	ZZZZZ	258952		7.01		424206		8.49		375159		13.0197		172025		16.75	
21	ZZZZZ	256513		7.01		423079		8.49		365558		13.0205		170821		16.74	
22																	
23																	
24																	

IS1 = Pentafluorobenzene
IS2 = Fluorobenzene
IS3 = Chlorobenzer
IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +30% of internal standard area
AREA LOWER LIMIT = -30% of internal standard area
RT UPPER LIMIT = +0.06 minutes of internal standard RRT
RT LOWER LIMIT = -0.06 minutes of internal standard RRT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

GC/MS QA-QC Check Report

Tune File : D:\HPCHEM\1\DATA\042606C\C58562T.D
Tune Time : 26 Apr 2006 9:40 am

Daily Calibration File : D:\HPCHEM\1\DATA\042606C\C58563SC.D

4/27/06 SC ✓

247763 400928 349921

171709

MT 4/27/06

File	Sample	Surrogate Recovery %				Internal Standard Responses		
C58564Q.D	LS04266C	86	86	93	93	232841	372593	336512
				169596				
C58565Q.D	LS04266C	89	89	94	97	231590	371136	333306
				169550				
C58566.D	BROMOFOR	92	92	95	96	262763	429609	367510
				186548				
C58567B.D	MB04266C	102	102	109	113	238435	381629	339953
				181261				
C58568.D	56346-8	94	94	102	100	239662	385919	355662
				185668				
C58569.D	56346-2	70/ OK	70/	75	74	237161	381553	353268
				186508				
C58570.D	56346-3	88	88	93	95	241517	394986	354618
				193064				
C58571.D	56346-4	84	84	89	90	245344	399848	363296
				190683				
C58572.D	56346-5	77	77	83	82	246982	404119	369741
				191075				
C58573.D	56346-6	85	85	90	93	242559	392371	346775
				192424				
C58574.D	56346-7	84	84	86	86	238823	392762	358492
				181712				
C58575.D	56330-3	16*	16*	17*	17*	276644	431301	380653
				177160	5X			
C58576.D	56330-4	18*	18*	19*	19*	267867	433040	382708
				181322	5X			
C58577.D	56330-5	12*	12*	10*	11*	276993	448962	396110
				185989	5X			
C58578.D	56330-6	14*	14*	14*	15*	276311	441652	380392
				179653	5X			
C58579.D	56330-7	15*	15*	17*	16*	274961	444804	399117
				191699	5X			

C58580.D	56330-30	11*	11*	8*	8*	285586	462476	408133
			194267					
C58581.D	56330-32	19*	19*	19*	18*	265219	429592	386984
			188525					
C58582.D	56330-33	19*	19*	18*	18*	258952	424206	375159
			172025					
C58583.D	56330-36	17*	17*	17*	17*	256513	423079	365558
			170821					

5X

5X

5X

5X

t - fails 12hr time check * - fails criteria

Created: Thu Apr 27 09:59:25 2006 Instr_C

analytics environmental laboratory LLC

VOLATILE ORGAN
INTERNAL STANDARD AREA AND RT SUM

Project #:

Quote #:

SDG#: 56384

BFB File ID: C58651T.D

Site ID: Subbase New London Site 7

Location: CT

Instrument ID: B

GC Column: RTX-502.2

ID: 0.25(mm)

BFB Injection Date: 4/28/06

BFB Injection Time: 1153

Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #	IS4 AREA #	RT #
12 HOUR STD	239559	6.97	386355	8.45	347917	12.98	168397	16.71
UPPER LIMIT	311427	7.39	502262	8.96	452292	13.76	218916	17.71
LOWER LIMIT	167691	6.56	270449	7.95	243542	12.20	117878	15.70
SAMPLE NO.								
01 20 PPB	239559	6.97	386355	8.45	347917	12.98	168397	16.71
02 L804286C	231639	6.97	371743	8.45	343390	12.98	176411	16.70
03 ZZZZZ	252917	6.97	419894	8.46	377304	12.99	189677	16.70
04 B804286C	244255	6.96	394829	8.44	360367	12.98	186741	16.71
05 ZZZZZ	235228	6.96	381817	8.44	358019	12.98	190349	16.71
06 56384-1	244577	6.96	389458	8.45	366800	12.98	192151	16.70
07 56384-2	250677	6.96	407276	8.45	360201	12.98	197833	16.70
08 56384-3	241487	6.96	395657	8.45	359404	12.97	189361	16.70
09 56384-3,MS	235787	6.95	392666	8.44	352310	12.98	179435	16.71
10 56384-3,MSD	236391	6.96	386054	8.45	350267	12.97	174618	16.70
11 ZZZZZ	242121	6.96	404741	8.45	328679	12.98	143778	16.71
12 ZZZZZ	250481	6.97	389268	8.45	319081	12.98	153291	16.71
13 ZZZZZ	229204	6.96	376618	8.44	327372	12.98	160433	16.71
14 ZZZZZ	234679	6.97	385559	8.45	345705	12.98	173819	16.70
15 ZZZZZ	239035	6.96	387587	8.45	351110	12.98	175668	16.71
16 ZZZZZ	251862	6.95	402992	8.44	340458	12.98	160222	16.70
17 ZZZZZ	237025	6.96	393556	8.45	322020	12.9725	152729	16.70
18 ZZZZZ	240807	6.96	394580	8.44	323985	12.9751	156853	16.70
19 ZZZZZ	241160	6.96	383518	8.44	320330	12.9702	151496	16.70
20								
21								
22								
23								
24								

IS1 = Pentafluorobenzene
IS2 = Fluorobenzene
IS3 = Chlorobenzer
IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +30% of internal standard area
AREA LOWER LIMIT = -30% of internal standard area
RT UPPER LIMIT = +0.06 minutes of internal standard RRT
RT LOWER LIMIT = -0.06 minutes of internal standard RRT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

GC/MS QA-QC Check Report

Tune File : D:\HPCHEM\1\DATA\042806C\C58651T.D
Tune Time : 28 Apr 2006 11:53 am

Daily Calibration File : D:\HPCHEM\1\DATA\042806C\C58652SC.D

239559 386355 347917

168397

File	Sample	Surrogate Recovery %				Internal Standard Responses		
C58653Q.D	L804286C	92	93	100	96	231639	371743	343390
				176411				
C58654.D	BROMOFOR	91	91	96	94	252917	419894	377304
				189677				
C58655B.D	B804286C	94	94	100	100	244255	394829	360367
				186741				
C58656.D	56384-4	100	100	107	108	235228	381817	358019
				190349				
C58657.D	56384-1	86	86	95	92	244577	389458	366800
				192151				
C58658.D	56384-2	89	89	95	99	250677	407276	360201
				197833				
C58659.D	56384-3	104	104	108	106	241487	395657	359404
				189361				
C58660SP.D	56384-3,	87	87	89	89	235787	392666	352310
				179435				
C58661SP.D	56384-3,	145*	145*	152*	148*	236391	386054	350267
				174618				
C58662.D	56334-1	81	81	76	82	242121	404741	328679
				143778				
C58663.D	56351-1	9*	9*	8*	14*	250481	389268	319081
				153291	10X			
C58664.D	56330-7	89	89	85	88	229204	376618	327372
				160433				
C58665.D	56330-32	92	92	95	97	234679	385559	345705
				173819				
C58666.D	56330-4	90	90	92	98	239035	387587	351110
				175668				
C58667.D	56330-6	74	74	74	74	251862	402992	340458
				160222				
C58668.D	56330-3	84	84	81	90	237025	393556	322020
				152729				

C58669.D	56330-5	60*	60*	44*	47*	240807	394580	323985
				156853				
C58670.D	56330-30	54*	54*	38*	38*	241160	383518	320330
				151496				
C58671.D	56330-33	88	88	79	89	234112	375796	309489
				147850				
C58672.D	56330-36	85	85	83	85	233802	375387	321230
				147099				

t - fails 12hr time check * - fails criteria

Created: Sat Apr 29 15:38:54 2006 Instr_C

analytics environmental laboratory LLC

VOLATILE ORGAN
INTERNAL STANDARD AREA AND RT SUM

Project #:

Quote #:

SDG#: 56384

BFB File ID: C58689T.D

Site ID: Subbase New London Site 7

Location: CT

Instrument ID: C

BFB Injection Date: 5/1/06

GC Column: RTX-502.2

ID: 0.25(mm)

BFB Injection Time: 0928

Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #	IS4 AREA #	RT #
12 HOUR STD	245651	6.95	389418	8.43	344136	12.97	169858	16.69
UPPER LIMIT	319346	7.37	506243	8.94	447377	13.75	220815	17.69
LOWER LIMIT	171956	6.54	272593	7.93	240895	12.19	118901	15.69
SAMPLE NO.								
01 20 PPB	245651	6.95	389418	8.43	344136	12.97	169858	16.69
02 LS05016C	236870	6.95	380440	8.43	339919	12.97	168689	16.69
03 LS05016C2	238766	6.94	371564	8.43	341958	12.96	167334	16.69
04 ZZZZZ	261773	6.96	404711	8.43	357917	12.97	185250	16.69
05 MB05016C	232663	6.95	360381	8.43	336416	12.97	175942	16.69
06 ZZZZZ	246382	6.94	389667	8.43	350911	12.97	182102	16.69
07 56384-3.DL	244959	6.95	379451	8.43	340698	12.97	173886	16.69
08 ZZZZZ	241043	6.95	389713	8.44	350587	12.96	174025	16.69
09 ZZZZZ	239417	6.95	377695	8.44	344887	12.97	175587	16.69
10 ZZZZZ	247036	6.95	394579	8.44	339062	12.97	177292	16.69
11 ZZZZZ	243386	6.95	392710	8.43	351197	12.97	180372	16.70
12 ZZZZZ	246295	6.95	386243	8.44	350220	12.97	175797	16.70
13 ZZZZZ	247718	6.95	397709	8.44	367134	12.97	191128	16.70
14 ZZZZZ	258722	6.96	422882	8.44	368935	12.97	176165	16.70
15 ZZZZZ	266160	6.96	420316	8.45	345747	12.98	161070	16.69
16 ZZZZZ	248670	6.95	394866	8.44	353719	12.97	172146	16.70
17 ZZZZZ	245254	6.96	391794	8.43	347911	12.9706	185092	16.70
18 ZZZZZ	271247	6.97	427166	8.44	371332	12.9708	169484	16.70
19								
20								
21								
22								
23								
24								

IS1 = Pentafluorobenzene
IS2 = Fluorobenzene
IS3 = Chlorobenzer
IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +30% of internal standard area
AREA LOWER LIMIT = -30% of internal standard area
RT UPPER LIMIT = +0.06 minutes of internal standard RRT
RT LOWER LIMIT = -0.06 minutes of internal standard RRT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

Tune File : D:\HPCHEM\1\DATA\050106C\C58689T.D
Tune Time : 1 May 2006 9:28 am

Daily Calibration File : D:\HPCHEM\1\DATA\050106C\C58690SC.D

5-3-06

245651 389418 344136

169858 MT 5/2/06

File	Sample	Surrogate Recovery %				Internal Standard Responses		
C58691Q.D	LS05016C	87	87	88	89	236870	380440	339919
			168689					
C58692Q.D	LS05016C	82	82	87	83	238766	371564	341958
			167334					
C58693.D	BROMOFOR	89	89	97	98	261773	404711	357917
			185250					
C58694B.D	MB05016C	84	84	87	90	232663	360381	336416
			175942					
C58695.D	56352-3	84	84	88	90	246382	389667	350911
			182102					
C58696.D	56384-3,	59*	59*	60*	59*	244959	379451	340698
			173886		DL			
C58697.D	56363-1	88	88	89	92	241043	389713	350587
			174025					
C58698.D	56377-2	81	81	83	86	239417	377695	344887
			175587					
C58699.D	56377-3	74	74	77	82	247036	394579	339062
			177292					
C58700.D	56377-5	82	82	83	81	243386	392710	351197
			180372					
C58701.D	56377-6	77	77	80	80	246295	386243	350220
			175797					
C58702.D	56377-14	82	82	86	85	247718	397709	367134
			191128					
C58703.D	56351-1	76	76	79	84	258722	422882	368935
			176165					
C58704.D	56364-1	8*	8*	7*	8*	266160	420316	345747
			161070		10X			
C58705.D	56372-2	83	83	87	88	248670	394866	353719
			172146					
C58706.D	56352-1	82	82	85	86	245254	391794	347911
			185092					

t - fails 12hr time check * - fails criteria

Created: Tue May 02 10:44:36 2006 Instr_C

analytics environmental laboratory LLC

EXTRACTION
LOGBOOK PAGES

✓ BH 04.28.06
4.28.06
AK ✓

Transfer Date: 04/28/06

Initials: BH

EXTRACT TRANSFER SHEET

Semi-Volatile Compounds:

Sample	Analysis	Extraction Date	Matrix	Initial Volume(mL)	Initial Weight(g)	Final Volume(mL)	% Solids	Extraction Comments
56351-1	8270PAHS	04/28/06	Solid		30.69	1.0		
56369-1	8270S	04/28/06	Solid		30.32	5.0		Excessive sodium sulfate required
56377-1	8270PAHS	04/28/06	Solid		30.10	1.0		
56377-2	8270PAHS	04/28/06	Solid		30.75	1.0		
56377-3	8270PAHS	04/28/06	Solid		30.42	1.0		
56377-4	8270PAHS	04/28/06	Solid		30.78	1.0		
56377-5	8270PAHS	04/28/06	Solid		30.52	1.0		
56377-6	8270PAHS	04/28/06	Solid		30.07	1.0		
56377-7	8270PAHS	04/28/06	Solid		30.69	1.0		Excessive sodium sulfate required
56377-8	8270PAHS	04/28/06	Solid		30.18	1.0		
56377-9	8270PAHS	04/28/06	Solid		30.05	1.0		
56377-10	8270PAHS	04/28/06	Solid		30.30	1.0		Excessive sodium sulfate required
56377-11	8270PAHS	04/28/06	Solid		30.26	1.0		
56377-12	8270PAHS	04/28/06	Solid		30.68	1.0		
56377-13	8270PAHS	04/28/06	Solid		30.42	1.0		
56377-15	8270PAHS	04/28/06	Solid		30.57	1.0		Excessive sodium sulfate required
56377-16	8270PAHS	04/28/06	Solid		30.32	1.0		
56384-1	8270PAHS	04/28/06	Solid		30.05	1.0		
56384-2	8270PAHS	04/28/06	Solid		30.26	1.0		
56384-3	8270PAHS	04/28/06	Solid		30.54	1.0		Excessive sodium sulfate required

analytics environmental laboratory LLC

Base Nuetral Acid Extractables Solid Preparation Logbook

Circle Method Reference (SW-846 3550B Sonication)
SW-846 3545 Accelerated Solvent Extraction (ASE)

Date: 04.28.06 Time: 0800 QC Batch ID: Q-P-042806-1-BH
Initials: BH Prep. Batch ID P-P-042806-1-BH

Sample #	Matrix	Weight (g)	mL (1) Surrogate	mL (2)(3) Spike	Final Vol $MeCl_2$	Cook Down Date	Vessel #
B042806AS	Na_2SO_4	30.75	0.5	—	1mL	4.28.06	N/A
L042806AS	Si Sand	30.83	0.5	1.0/1.0	|	am	|
LD042806MS	Si Sand	30.73	0.5	1.0/1.0	|	|	|
56351-1	Soil	30.69	0.5	—	|	|	|
56369-1 *	Soil	30.32	0.5	—	5mL	|	|
56377-1	Soil	30.10	0.5	—	1mL	|	|
-2	Soil	30.75	0.5	—	|	|	|
-3	Clay	30.42	0.5	—	|	|	|
-4	Soil	30.78	0.5	—	|	|	|
-5	Soil	30.52	0.5	—	|	|	|
-6	Clay	30.07	0.5	—	|	|	|
-7 *	Soil	30.69	0.5	—	|	|	|
-8	Soil	30.18	0.5	—	1mL	4/28/06 SC	|
-9	Soil	30.05	0.5	—	↓	↓	|
-10 *	Soil	30.30	0.5	—	↓	↓	|
-11	Soil	30.26	0.5	—	1mL	BH 04.28.06 final 04.28.06	|
-12	Soil	30.68	0.5	—	1mL	4/28/06 SC	|
-13	Soil	30.42	0.5	—	1mL	4.28.06	|
-15 *	Soil	30.57	0.5	—	|	|	|
-16	Soil	30.32	0.5	—	|	|	|
56384-1	|	30.05	0.5	—	|	|	N/A
-2	|	30.26	0.5	—	|	|	|
-3 *	|	30.54	0.5	—	|	|	|
-1, ms	|	30.02	0.5	1.0/1.0	|	|	|
-1, msd	↓	30.12	0.5	1.0/1.0	↓	↓	↓
				BH 04.28.06			

$MeCl_2$ Lot Number: 46039
1:1 Acetone/MeCl2 Lot #:
Silica Sand Lot Number: 074617
Na_2SO_4 Lot Number: 45251602

	Lot #	Exp Date
(1) ABN Surrogate:	56792	10.28.06
(2) ABN Spike (40 ug/mL):	56758	10.20.06
(3) Benzidines Spike (80 ug/mL):	56775	10.25.06
PAH Surrogate (5.0 ug/mL):		
PAH MS (5.0 ug/mL):		

4.28.06 AKV

* excessive sodium sulfate needed during filtering BH 04.28.06

analytics environmental laboratory LLC

SEMI-VOLATILE
DATA SUMMARIES

analytics environmental laboratory LLC

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

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100

July 6, 2006

CLIENT SAMPLE ID

Project Name: Groton Subbase-Site 7

Project Number:

Field Sample ID: LABQC

SAMPLE DATA

Lab Sample ID: B04286AS
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 04/28/06
Analysis Date: 04/29/06

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	250	U
Acenaphthylene	250	U
Acenaphthene	250	U
Fluorene	250	U
Phenanthrene	250	U
Anthracene	250	U
Fluoranthene	250	U
Pyrene	250	U
Benzo[a]anthracene	250	U
Chrysene	250	U
Benzo[b] fluoranthene	250	U
Benzo[k] fluoranthene	250	U
Benzo[a] pyrene	250	U
Dibenz [a,h] anthracene	250	U
Benzo(g,h,i) perylene	250	U
Indeno [1,2,3-cd] pyrene	250	U
2-Methylnaphthalene	250	U

Surrogate Standard Recovery

d5-nitrobenzene	69 %	2-Fluorobiphenyl	77 %	d14-p-terphenyl	74 %

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042806-D\D47176B.D Vial: 6
Acq On : 29 Apr 2006 1:46 am Operator:
Sample : B04286AS Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 30 8:55 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Fri Apr 28 23:15:57 2006
Response via : Initial Calibration
DataAcq Meth : ABN

5/1.06 4/30/06

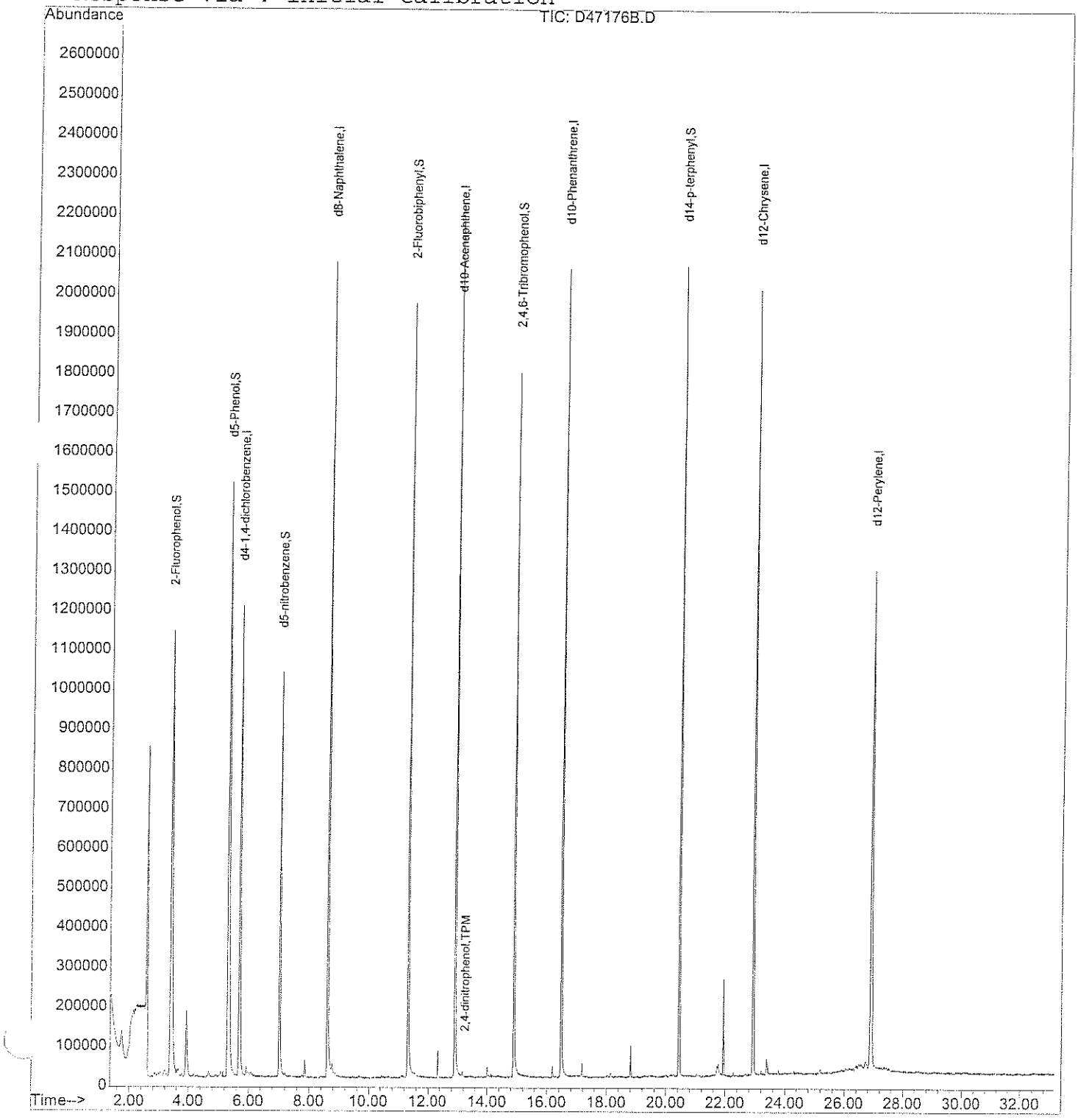
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.69	152	555352	40.00	ug/ml	0.00
19) d8-Naphthalene	8.62	136	2044538	40.00	ug/ml	-0.02
35) d10-Acenaphthene	12.91	164	951649	40.00	ug/ml	-0.02
61) d10-Phenanthrene	16.48	188	1582103	40.00	ug/ml	-0.02
71) d12-Chrysene	22.94	240	1510996	40.00	ug/ml	-0.02
79) d12-Perylene	26.93	264	1371967	40.00	ug/ml	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	3.41	112	1220185	63.52	ug/ml	-0.02
Spiked Amount ~~75.000~~ 100	Range 29 - 97		Recovery = ~~84.69%~~ 64			
5) d5-Phenol	5.29	99	1623877	66.18	ug/ml	-0.03
Spiked Amount ~~75.000~~ 100	Range 40 - 120		Recovery = ~~88.24%~~ 66			
20) d5-nitrobenzene	7.02	82	796908	34.30	ug/ml	-0.02
Spiked Amount 50.000	Range 20 - 101		Recovery = 68.60%			
39) 2-Fluorobiphenyl	11.32	172	1170027	38.33	ug/ml	-0.02
Spiked Amount 50.000	Range 34 - 102		Recovery = 76.66%			
60) 2,4,6-Tribromophenol	14.90	330	452989	79.41	ug/ml	-0.02
Spiked Amount ~~75.000~~ 100	Range 36 - 141		Recovery = ~~105.88%~~ 79			
73) d14-p-terphenyl	20.45	244	1247453	37.19	ug/ml	0.00
Spiked Amount 50.000	Range 38 - 108		Recovery = 74.38%			
Target Compounds						Qvalue
47) 2,4-dinitrophenol	13.25	184	45	4.60	ug/ml#	1

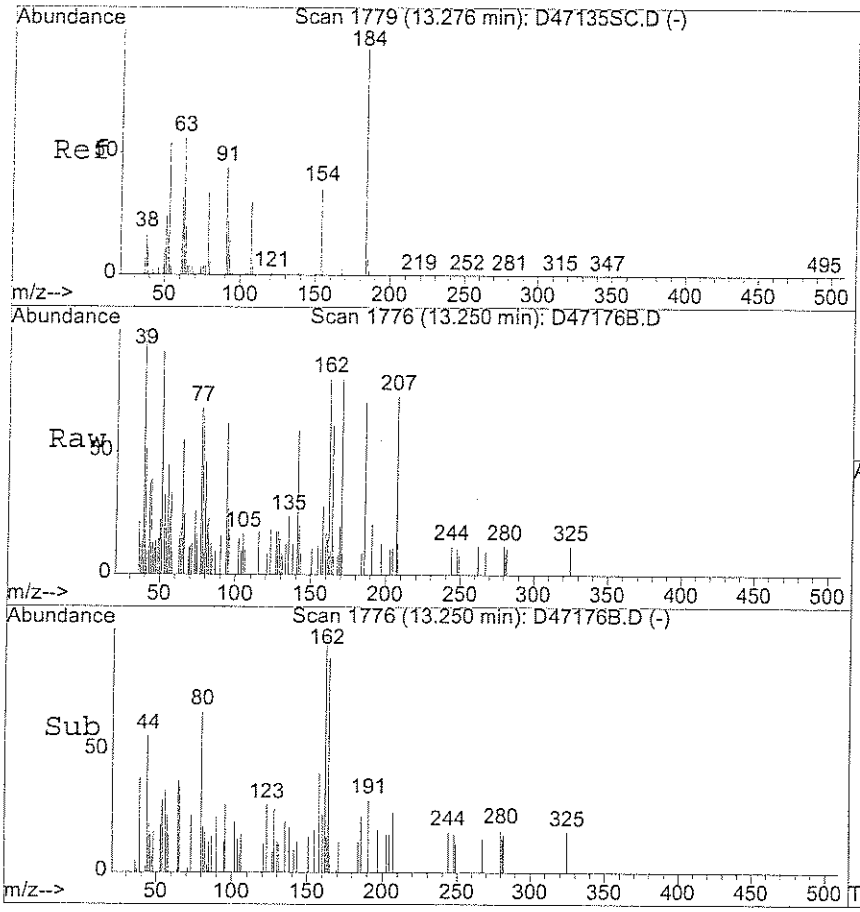
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042806-D\D47176B.D Vial: 6
Acq On : 29 Apr 2006 1:46 am Operator:
Sample : B04286AS Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 8:55 2006 Quant Results File: S04266.RES

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Fri Apr 28 23:15:57 2006
Response via : Initial Calibration

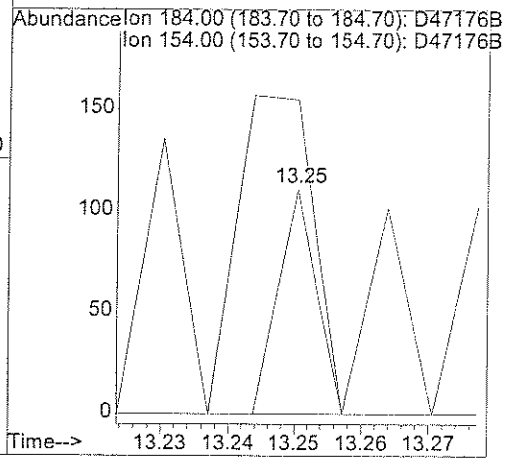




#47
2,4-dinitrophenol
Concen: 4.60 ug/ml
RT: 13.25 min Scan# 1776
Delta R.T. 0.00 min
Lab File: D47176B.D
Acq: 29 Apr 2006 1:46 am

Tgt Ion:184 Resp: 45

Ion	Ratio	Lower	Upper
184	100		
154	491.1	30.3	45.5#



analytics environmental laboratory LLC

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800-929-9906

Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100

May 1, 2006

CLIENT SAMPLE ID

Project Name: Groton Subbase-Site 7

Project Number:

Field Sample ID: NSB-NLON-Site7-EXS-SWN-CS-SL-09A

SAMPLE DATA

Lab Sample ID:	56384-1
Matrix:	Solid
Percent Solid:	89
Dilution Factor:	1.1
Collection Date:	04/27/06
Lab Receipt Date:	04/28/06
Extraction Date:	04/28/06
Analysis Date:	04/29/06

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	280	U
Acenaphthylene	280	U
Acenaphthene	280	U
Fluorene	280	U
Phenanthrene	280	U
Anthracene	280	U
Fluoranthene	280	U
Pyrene	280	U
Benzo[a]anthracene	280	U
Chrysene	280	U
Benzo[b] fluoranthene	280	U
Benzo[k] fluoranthene	280	U
Benzo[a] pyrene	280	U
Dibenz [a,h] anthracene	280	U
Benzo(g,h,i) perylene	280	U
Indeno [1,2,3-cd] pyrene	280	U
2-Methylnaphthalene	280	U

Surrogate Standard Recovery

d5-nitrobenzene	74 %	2-Fluorobiphenyl	81 %	d14-p-terphenyl	86 %

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042806-D\D47179.D
Acq On : 29 Apr 2006 3:18 am
Sample : 56384-1
Misc : SOIL
MS Integration Params: RTEINT.P
Quant Time: Apr 30 8:55 2006

Vial: 9
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Fri Apr 28 23:15:57 2006
Response via : Initial Calibration
DataAcq Meth : ABN

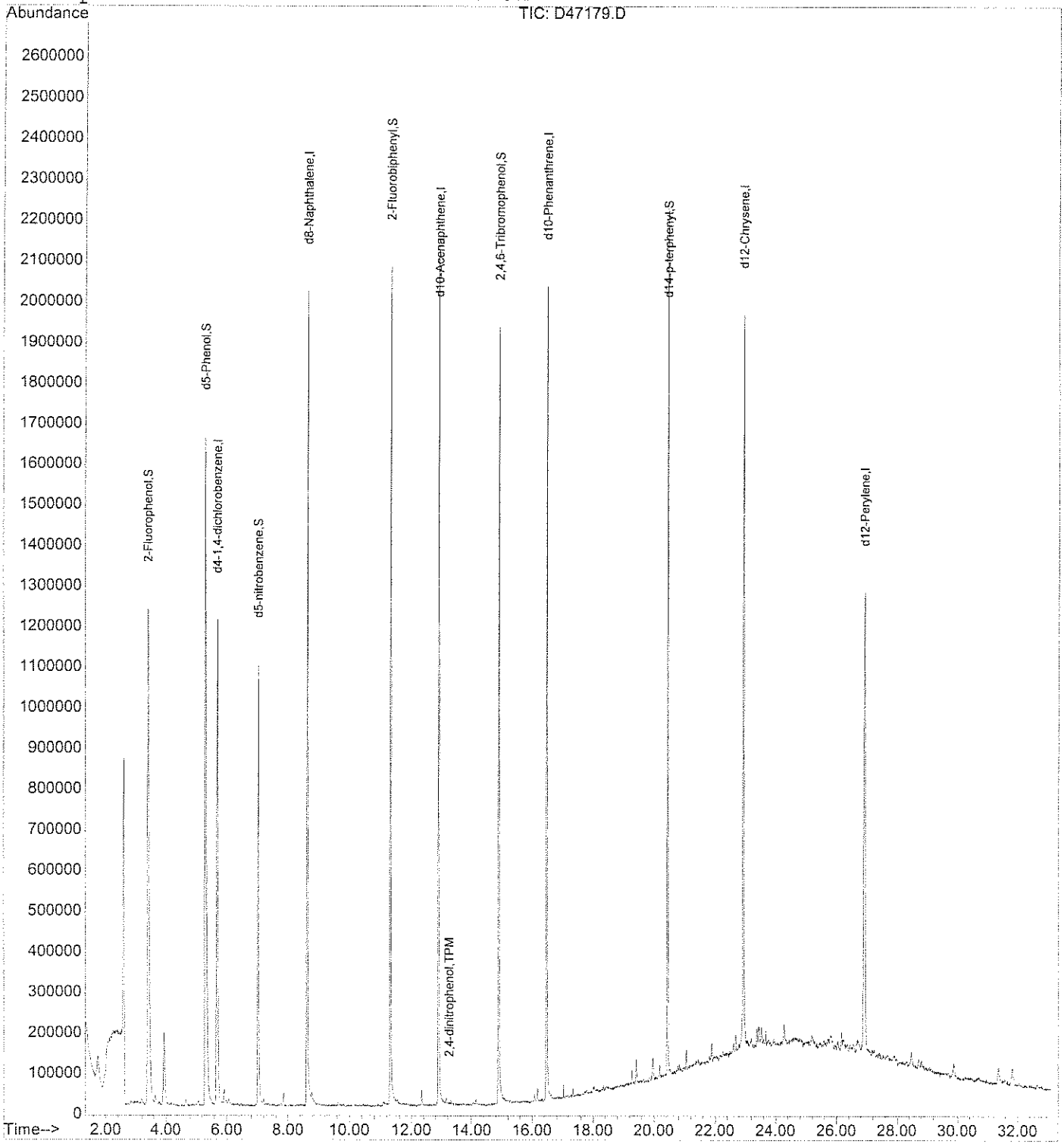
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.69	152	542128	40.00	ug/ml	-0.01
19) d8-Naphthalene	8.62	136	1947937	40.00	ug/ml	-0.02
35) d10-Acenaphthene	12.92	164	940154	40.00	ug/ml	-0.01
61) d10-Phenanthrene	16.48	188	1575715	40.00	ug/ml	-0.02
71) d12-Chrysene	22.94	240	1351357	40.00	ug/ml	-0.01
79) d12-Perylene	26.93	264	1213550	40.00	ug/ml	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	3.41	112	1280603	68.30	ug/ml	-0.02
Spiked Amount 75.000	Range 29 - 97		Recovery = 91.07%			
5) d5-Phenol	5.29	99	1711474	71.45	ug/ml	-0.03
Spiked Amount 75.000	Range 40 - 120		Recovery = 95.27%			
20) d5-nitrobenzene	7.02	82	822724	37.17	ug/ml	-0.02
Spiked Amount 50.000	Range 20 - 101		Recovery = 74.34%			
39) 2-Fluorobiphenyl	11.31	172	1228250	40.73	ug/ml	-0.02
Spiked Amount 50.000	Range 34 - 102		Recovery = 81.46%			
60) 2,4,6-Tribromophenol	14.90	330	504551	89.54	ug/ml	-0.01
Spiked Amount 75.000	Range 36 - 141		Recovery = 119.39%			
73) d14-p-terphenyl	20.44	244	1286855	42.90	ug/ml	0.00
Spiked Amount 50.000	Range 38 - 108		Recovery = 85.80%			
Target Compounds						Qvalue
47) 2,4-dinitrophenol	13.26	184	170	4.63	ug/ml#	1

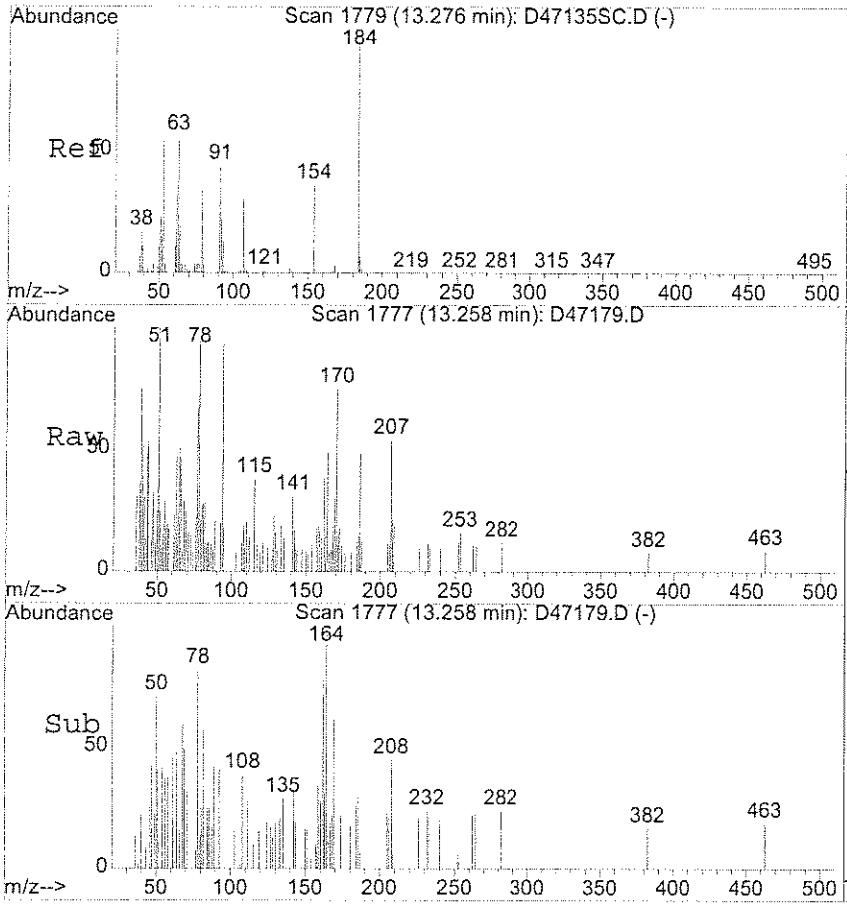
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042806-D\D47179.D Vial: 9
Acq On : 29 Apr 2006 3:18 am Operator:
Sample : 56384-1 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 8:55 2006 Quant Results File: S04266.RES

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Fri Apr 28 23:15:57 2006
Response via : Initial Calibration

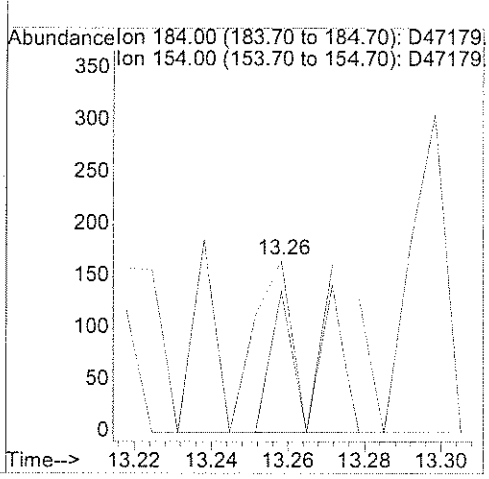




#47
2,4-dinitrophenol
Concen: 4.63 ug/ml
RT: 13.26 min Scan# 1777
Delta R.T. 0.01 min
Lab File: D47179.D
Acq: 29 Apr 2006 3:18 am

Tgt Ion:184 Resp: 170

Ion	Ratio	Lower	Upper
184	100		
154	101.8	30.3	45.5#



analytics environmental laboratory LLC

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Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100

May 1, 2006

CLIENT SAMPLE ID

Project Name: Groton Subbase-Site 7

Project Number:

Field Sample ID: NSB-NLON-Site7-EXS-SWN-CS-SL-09A-042706-1

SAMPLE DATA

Lab Sample ID: 56384-2
Matrix: Solid
Percent Solid: 90
Dilution Factor: 1.1
Collection Date: 04/27/06
Lab Receipt Date: 04/28/06
Extraction Date: 04/28/06
Analysis Date: 04/29/06

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	280	U
Acenaphthylene	280	U
Acenaphthene	280	U
Fluorene	280	U
Phenanthrene	280	U
Anthracene	280	U
Fluoranthene	280	U
Pyrene	280	U
Benzo[a]anthracene	280	U
Chrysene	280	U
Benzo[b] fluoranthene	280	U
Benzo[k] fluoranthene	280	U
Benzo[a] pyrene	280	U
Dibenz [a,h] anthracene	280	U
Benzo(g,h,i) perylene	280	U
Indeno [1,2,3-cd] pyrene	280	U
2-Methylnaphthalene	280	U

Surrogate Standard Recovery

d5-nitrobenzene	72 %	2-Fluorobiphenyl	83 %	d14-p-terphenyl	85 %

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042806-D\D47182.D
Acq On : 29 Apr 2006 5:31 am
Sample : 56384-2
Misc : SOIL
MS Integration Params: RTEINT.P
Quant Time: Apr 30 8:55 2006

Vial: 12
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Fri Apr 28 23:15:57 2006
Response via : Initial Calibration
DataAcq Meth : ABN

DF=1.10
DL=275 ug/kg

4/30/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.69	152	516066	40.00	ug/ml	0.00
19) d8-Naphthalene	8.62	136	1936126	40.00	ug/ml	-0.02
35) d10-Acenaphthene	12.91	164	914405	40.00	ug/ml	-0.02
61) d10-Phenanthrene	16.48	188	1520345	40.00	ug/ml	-0.02
71) d12-Chrysene	22.94	240	1330318	40.00	ug/ml	-0.02
79) d12-Perylene	26.93	264	1267148	40.00	ug/ml	-0.03

System Monitoring Compounds

4) 2-Fluorophenol	3.41	112	1176744	65.93	ug/ml	-0.02
Spiked Amount 75.000	Range 29 - 97		Recovery = 87.91%			
5) d5-Phenol	5.29	99	1641731	72.00	ug/ml	-0.03
Spiked Amount 75.000	Range 40 - 120		Recovery = 96.00%			
20) d5-nitrobenzene	7.02	82	792136	36.00	ug/ml	-0.02
Spiked Amount 50.000	Range 20 - 101		Recovery = 72.00%			
39) 2-Fluorobiphenyl	11.32	172	1211038	41.29	ug/ml	-0.02
Spiked Amount 50.000	Range 34 - 102		Recovery = 82.58%			
60) 2,4,6-Tribromophenol	14.90	330	485287	88.54	ug/ml	-0.02
Spiked Amount 75.000	Range 36 - 141		Recovery = 118.05%			
73) d14-p-terphenyl	20.44	244	1262309	42.75	ug/ml	0.00
Spiked Amount 50.000	Range 38 - 108		Recovery = 85.50%			

72
83
86

Target Compounds

						Qvalue
47) 2,4-dinitrophenol	13.27	184	43	4.60	ug/ml#	1

ND

D5-106

30.26g
1ml FV
%SD=90.13

(#) = qualifier out of range (m) = manual integration
D47182.D S04266.M Sun Apr 30 09:06:40 2006

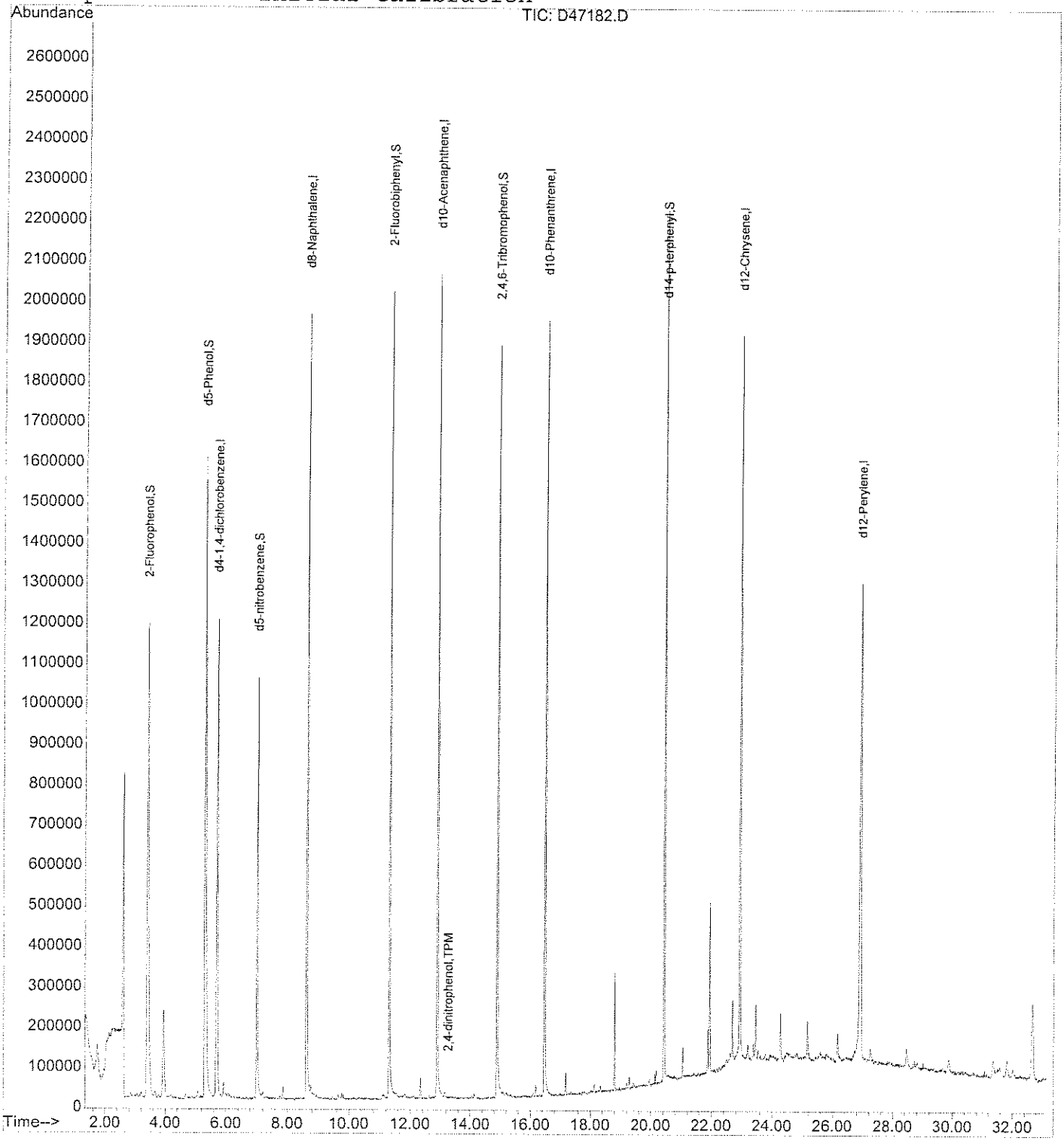
Quantitation Report

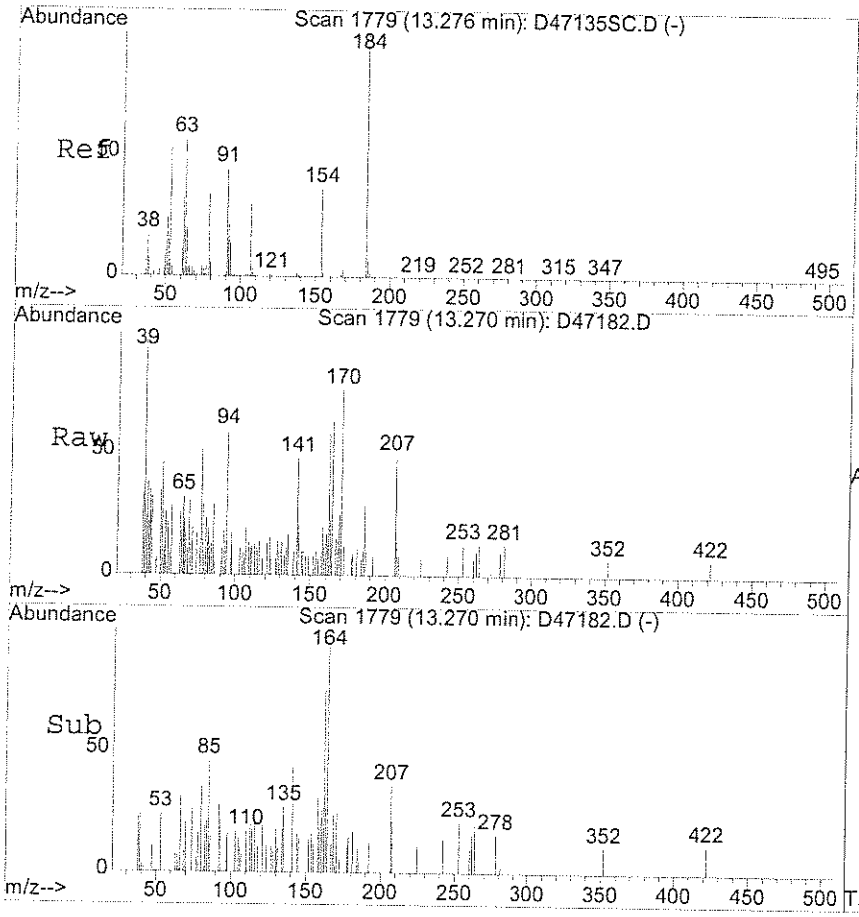
Data File : D:\HPCHEM\1\DATA\042806-D\D47182.D
Acq On : 29 Apr 2006 5:31 am
Sample : 56384-2
Misc : SOIL
MS Integration Params: RTEINT.P
Quant Time: Apr 30 8:55 2006

Vial: 12
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: S04266.RES

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Fri Apr 28 23:15:57 2006
Response via : Initial Calibration

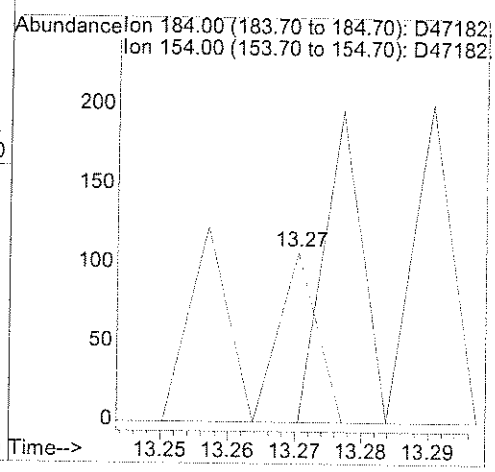




#47
2,4-dinitrophenol
Concen: 4.60 ug/ml
RT: 13.27 min Scan# 1779
Delta R.T. 0.02 min
Lab File: D47182.D
Acq: 29 Apr 2006 5:31 am

Tgt Ion:184 Resp: 43

Ion	Ratio	Lower	Upper
184	100		
154	116.3	30.3	45.5#



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Mr. Rick Woodworth
Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100

May 1, 2006

CLIENT SAMPLE ID

Project Name: Groton Subbase-Site 7

Project Number:

Field Sample ID: NSB-NLON-Site7-EXS-SWN-CS-SL-10A

SAMPLE DATA

Lab Sample ID:	56384-3
Matrix:	Solid
Percent Solid:	90
Dilution Factor:	2.2
Collection Date:	04/27/06
Lab Receipt Date:	04/28/06
Extraction Date:	04/28/06
Analysis Date:	04/29/06

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	540	**345 J**
Acenaphthylene	540	U
Acenaphthene	540	**410 J**
Fluorene	540	**438 J**
Phenanthrene	540	**4990**
Anthracene	540	**763**
Fluoranthene	540	**5340**
Pyrene	540	**3870**
Benzo[a]anthracene	540	**1890**
Chrysene	540	**2320**
Benzo[b] fluoranthene	540	**1870**
Benzo[k] fluoranthene	540	**1550**
Benzo[a] pyrene	540	**1820**
Dibenz [a,h] anthracene	540	U
Benzo(g,h,i) perylene	540	**402 J**
Indeno [1,2,3-cd] pyrene	540	**531 J**
2-Methylnaphthalene	540	U

Surrogate Standard Recovery

d5-nitrobenzene	73 %	2-Fluorobiphenyl	87 %	d14-p-terphenyl	85 %

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature Melissa Hall

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042806-D\D47183.D
Acq On : 29 Apr 2006 6:04 am
Sample : 56384-3,,1:2
Misc : SOIL
MS Integration Params: RTEINT.P
Quant Time: Apr 30 8:55 2006

Vial: 13
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Fri Apr 28 23:15:57 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.69	152	501164	40.00	ug/ml	-0.01
19) d8-Naphthalene	8.62	136	1806259	40.00	ug/ml	-0.02
35) d10-Acenaphthene	12.91	164	842230	40.00	ug/ml	-0.02
61) d10-Phenanthrene	16.48	188	1427392	40.00	ug/ml	-0.02
71) d12-Chrysene	22.95	240	1254950	40.00	ug/ml	0.00
79) d12-Perylene	26.95	264	1402052	40.00	ug/ml	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	3.43	112	546048	31.50	ug/ml	0.00
Spiked Amount 75.000	Range 29 - 97		Recovery = 42.00%			
5) d5-Phenol	5.32	99	809836	36.57	ug/ml	0.00
Spiked Amount 75.000	Range 40 - 120		Recovery = 48.76%			
20) d5-nitrobenzene	7.01	82	374253	18.23	ug/ml	-0.02
Spiked Amount 50.000	Range 20 - 101		Recovery = 36.46%			
39) 2-Fluorobiphenyl	11.31	172	586857	21.72	ug/ml	-0.02
Spiked Amount 50.000	Range 34 - 102		Recovery = 43.44%			
60) 2,4,6-Tribromophenol	14.90	330	236006	46.75	ug/ml	-0.02
Spiked Amount 75.000	Range 36 - 141		Recovery = 62.33%			
73) d14-p-terphenyl	20.44	244	589685	21.17	ug/ml	-0.01
Spiked Amount 50.000	Range 38 - 108		Recovery = 42.34%			

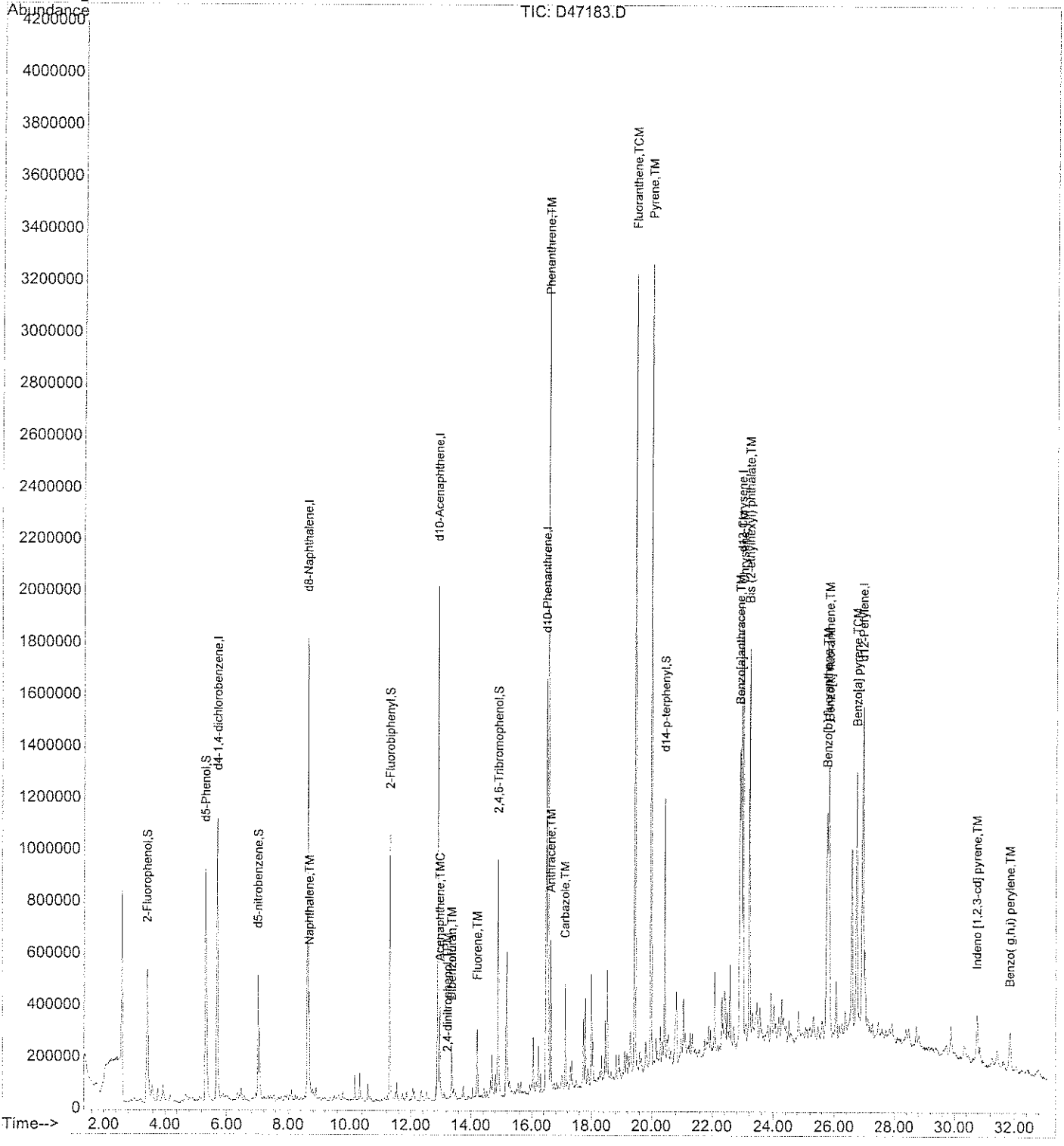
Target Compounds						Qvalue
(29) Naphthalene	8.66	128	220177	4.76	ug/ml	99
(46) Acenaphthene	12.98	154	137268	5.66	ug/ml	98
(47) 2,4-dinitrophenol	13.24	184	47	4.60	ug/ml#	1
(48) Dibenzofuran	13.37	168	164096	4.78	ug/ml	99
(52) Fluorene	14.21	166	164007	6.04	ug/ml	99
(65) Phenanthrene	16.55	178	2593561	68.79	ug/ml	99
(66) Anthracene	16.64	178	386385	10.53	ug/ml#	86
(67) Carbazole	17.12	167	304622	8.63	ug/ml	100
(69) Fluoranthene	19.45	202	2828349	73.70	ug/ml	100
(72) Pyrene	19.98	202	2308136	53.43	ug/ml	97
(75) Benzo[a]anthracene	22.90	228	988422	26.14	ug/ml#	93
(76) Chrysene	23.01	228	1076462	31.99	ug/ml	97
(78) Bis (2-ethylhexyl) phthala	23.21	149	675569	20.19	ug/ml	99
(81) Benzo[b] fluoranthene	25.78	252	1115598	25.79	ug/ml	96
(82) Benzo[k] fluoranthene	25.84	252	826633	21.34	ug/ml	99
(83) Benzo[a] pyrene	26.75	252	959648	25.14	ug/ml	98
(84) Indeno [1,2,3-cd] pyrene	30.75	276	266437	7.33	ug/ml#	56
(86) Benzo(g,h,i) perylene	31.85	276	196465	5.55	ug/ml	100

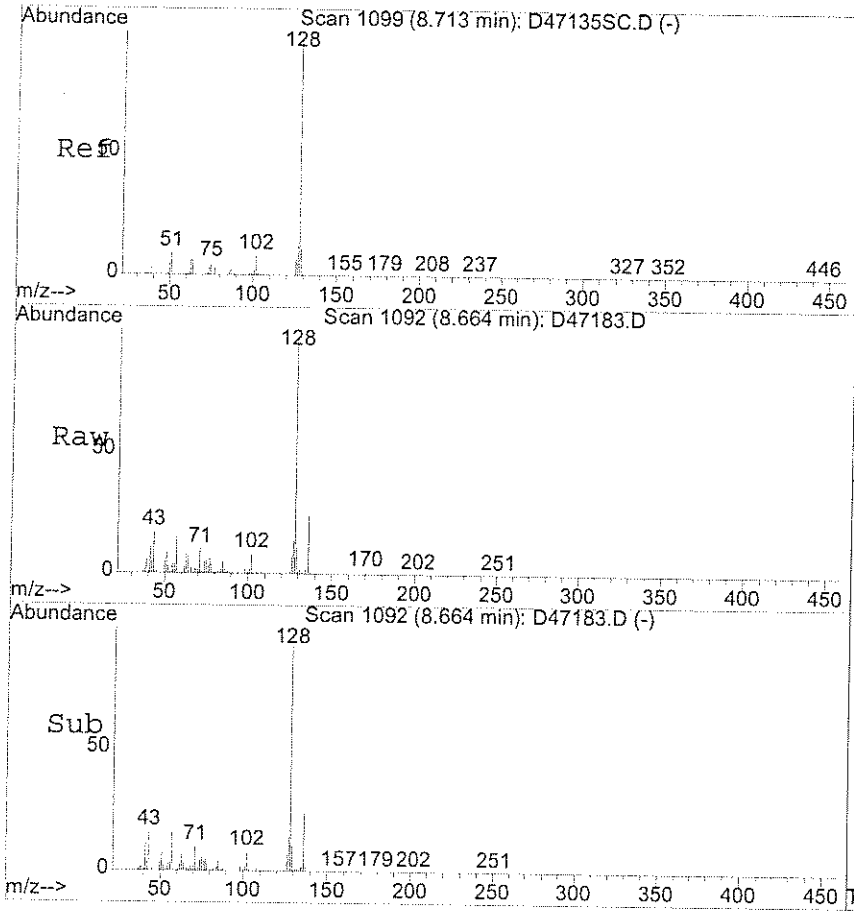
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042806-D\D47183.D Vial: 13
Acq On : 29 Apr 2006 6:04 am Operator:
Sample : 56384-3,,1:2 Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 8:55 2006 Quant Results File: S04266.RES

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Fri Apr 28 23:15:57 2006
Response via : Initial Calibration

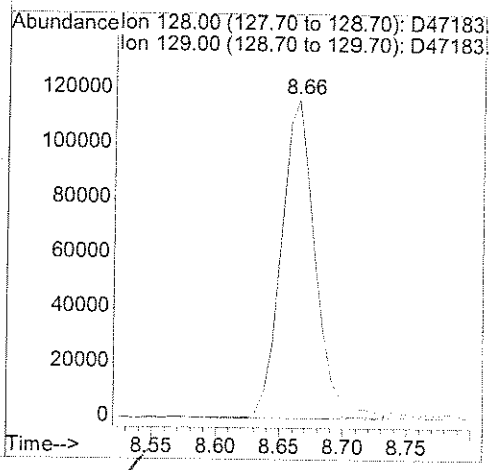


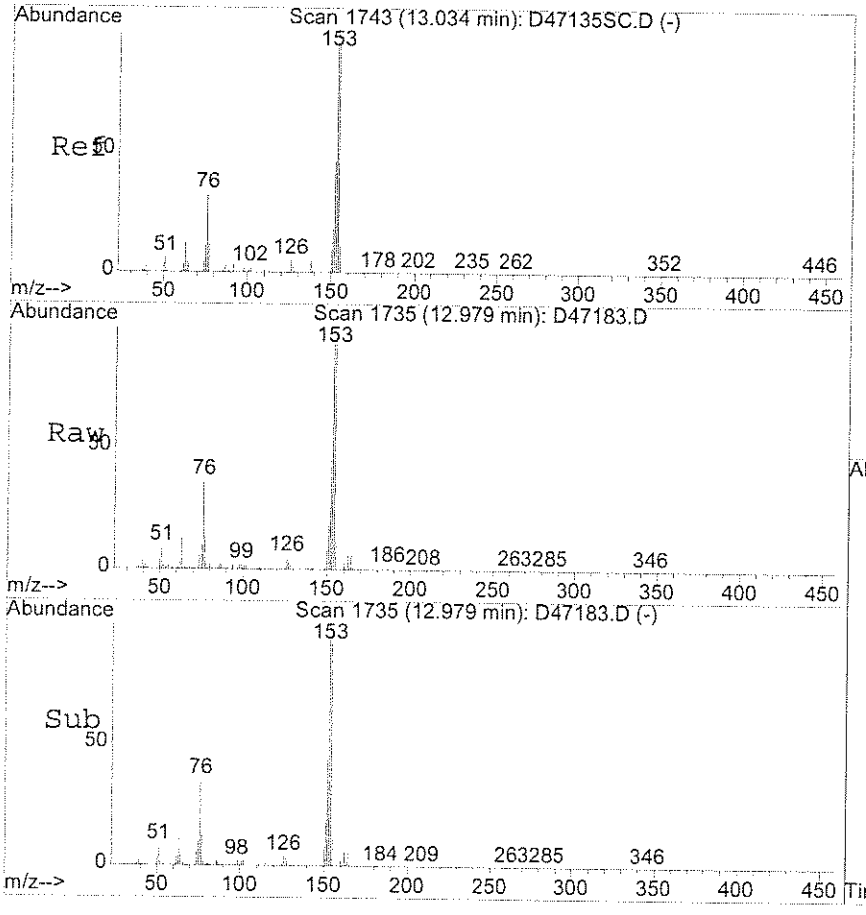


#29
Naphthalene
Concen: 4.76 ug/ml
RT: 8.66 min Scan# 1092
Delta R.T. -0.02 min
Lab File: D47183.D
Acq: 29 Apr 2006 6:04 am

Tgt Ion:128 Resp: 220177

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2

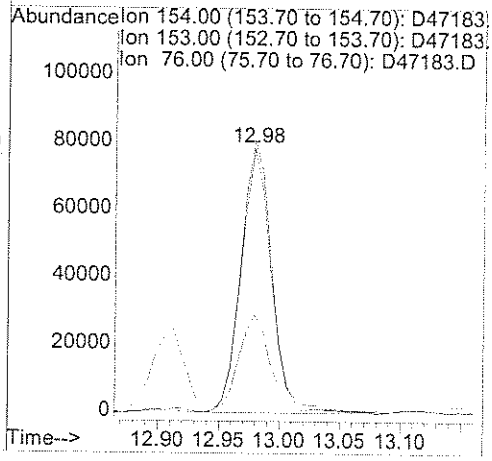


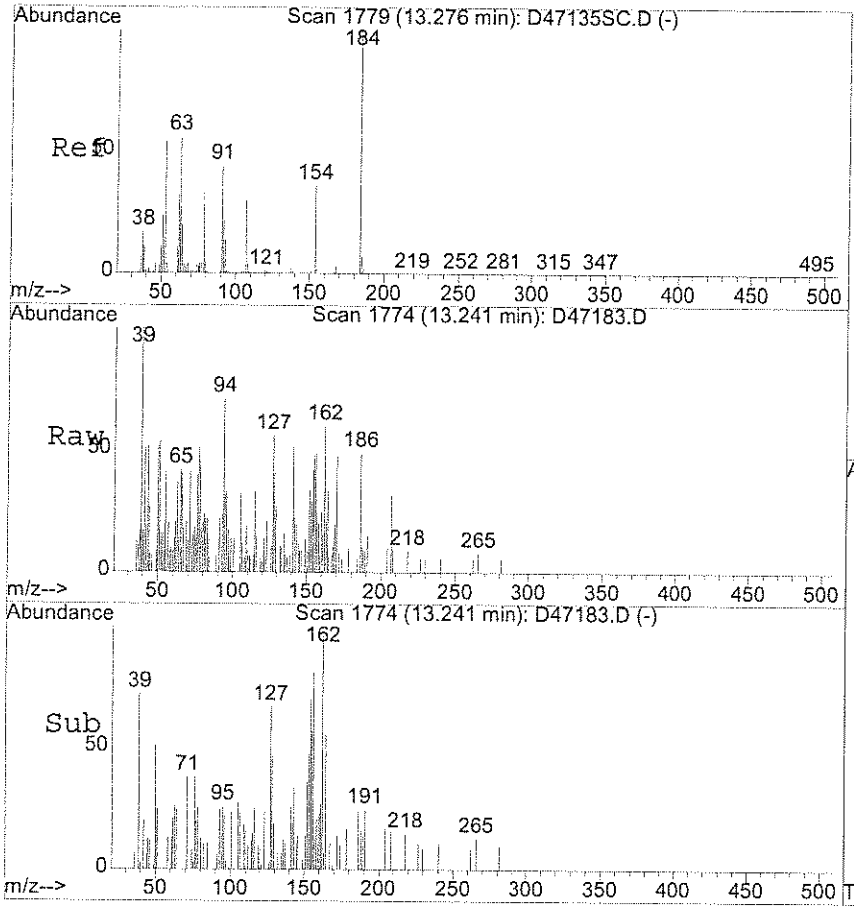


#46
Acenaphthene
Concen: 5.66 ug/ml
RT: 12.98 min Scan# 1735
Delta R.T. -0.02 min
Lab File: D47183.D
Acq: 29 Apr 2006 6:04 am

Tgt Ion:154 Resp: 137268

Ion	Ratio	Lower	Upper
154	100		
153	104.1	83.4	125.2
76	39.8	28.8	43.2



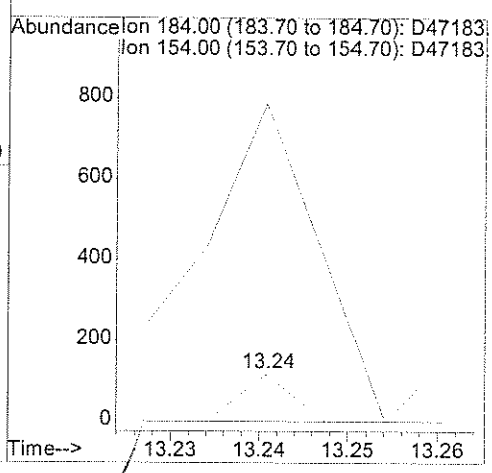


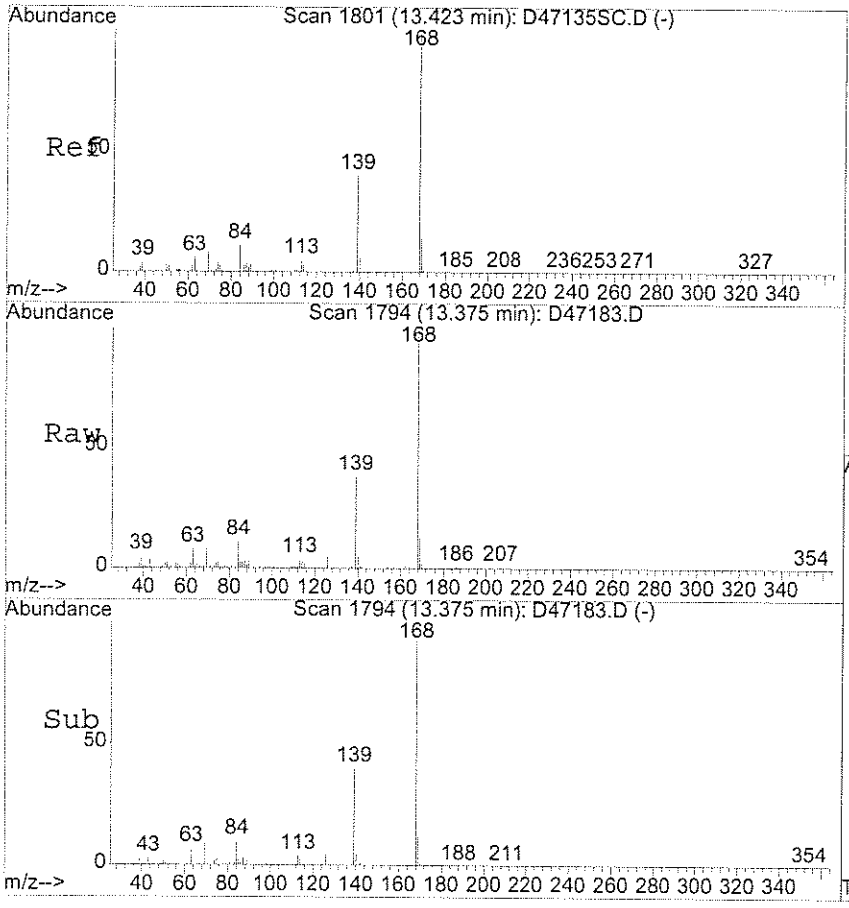
#47

2,4-dinitrophenol
Concen: 4.60 ug/ml
RT: 13.24 min Scan# 1774
Delta R.T. -0.00 min
Lab File: D47183.D
Acq: 29 Apr 2006 6:04 am

Tgt Ion:184 Resp: 47

Ion	Ratio	Lower	Upper
184	100		
154	1387.2	30.3	45.5#



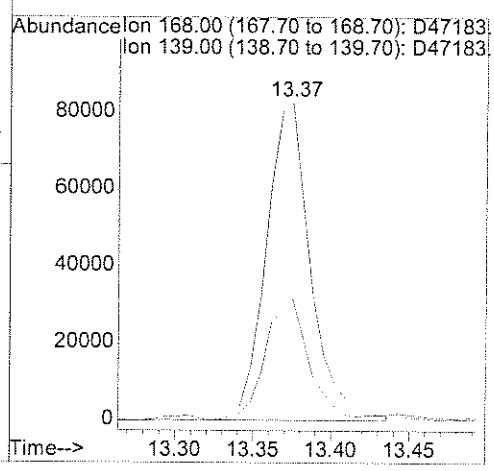


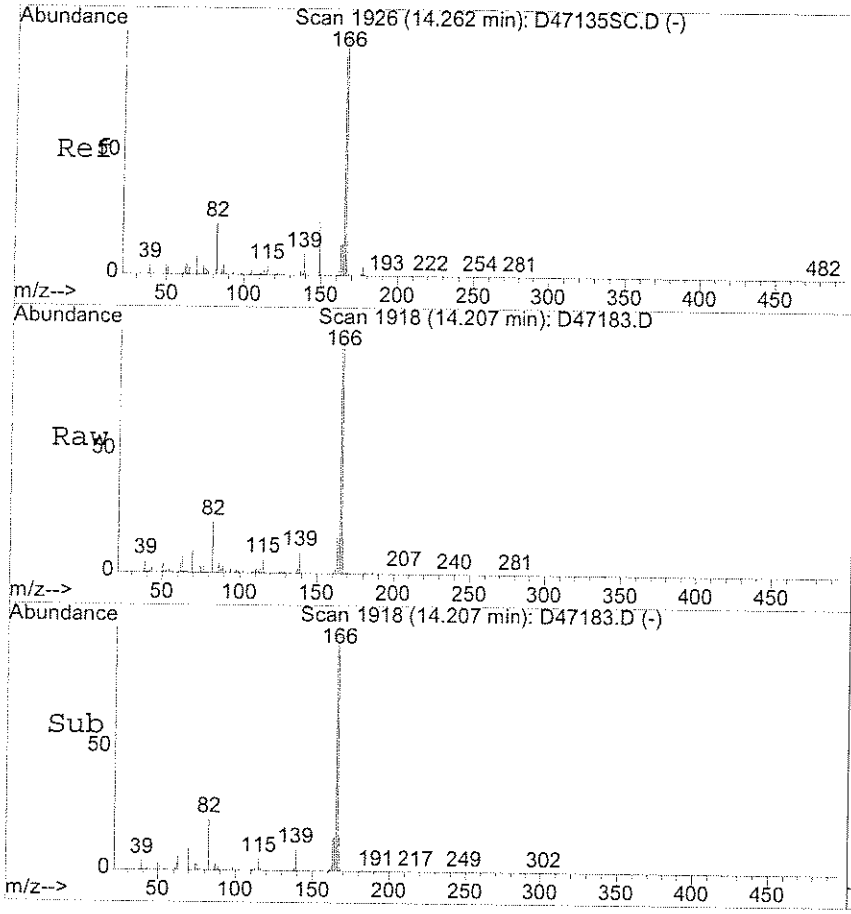
#48

Dibenzofuran
Concen: 4.78 ug/ml
RT: 13.37 min Scan# 1794
Delta R.T. -0.02 min
Lab File: D47183.D
Acq: 29 Apr 2006 6:04 am

Tgt Ion:168 Resp: 164096

Ion	Ratio	Lower	Upper
168	100		
139	37.9	30.9	46.3

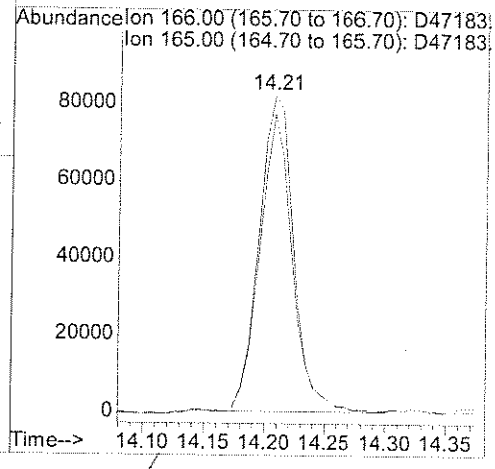


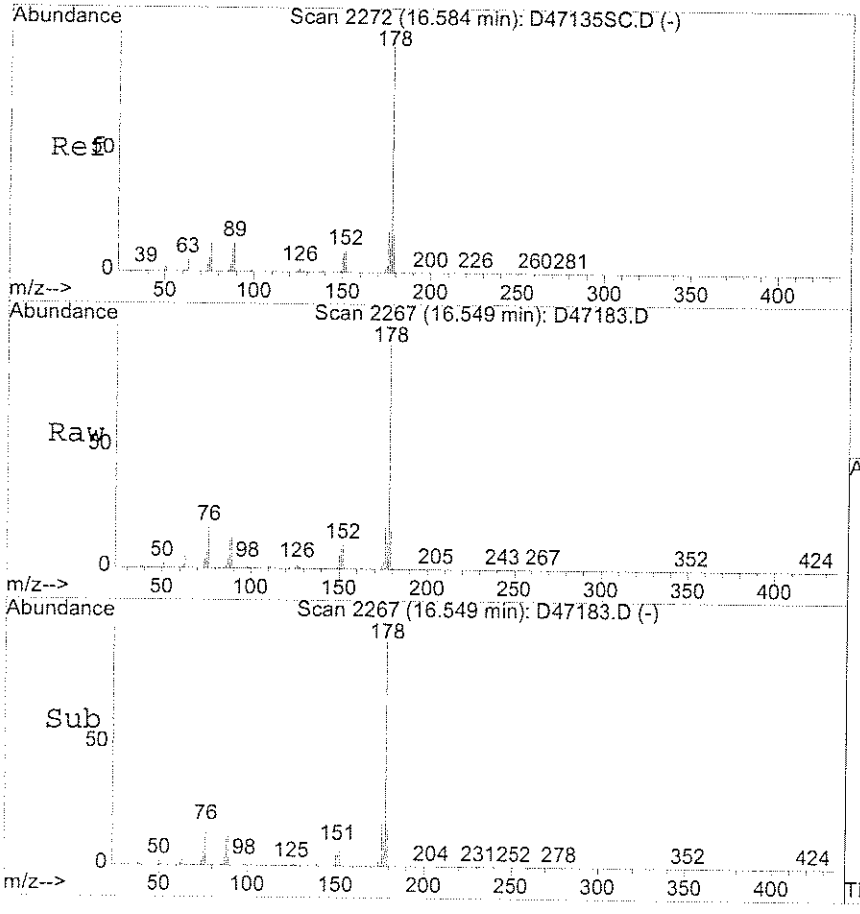


#52 ✓
Fluorene
Concen: 6.04 ug/ml
RT: 14.21 min Scan# 1918
Delta R.T. -0.02 min
Lab File: D47183.D
Acq: 29 Apr 2006 6:04 am

Tgt Ion:166 Resp: 164007

Ion	Ratio	Lower	Upper
166	100		
165	92.1	72.6	108.8

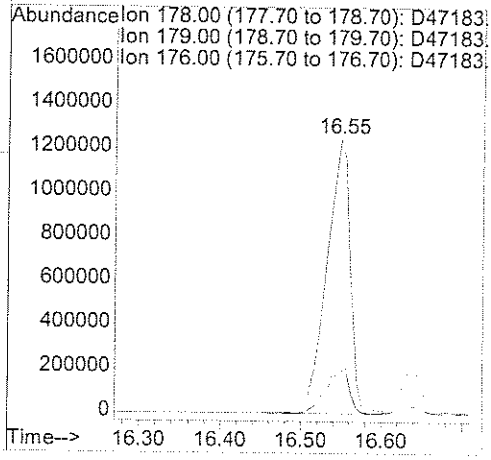


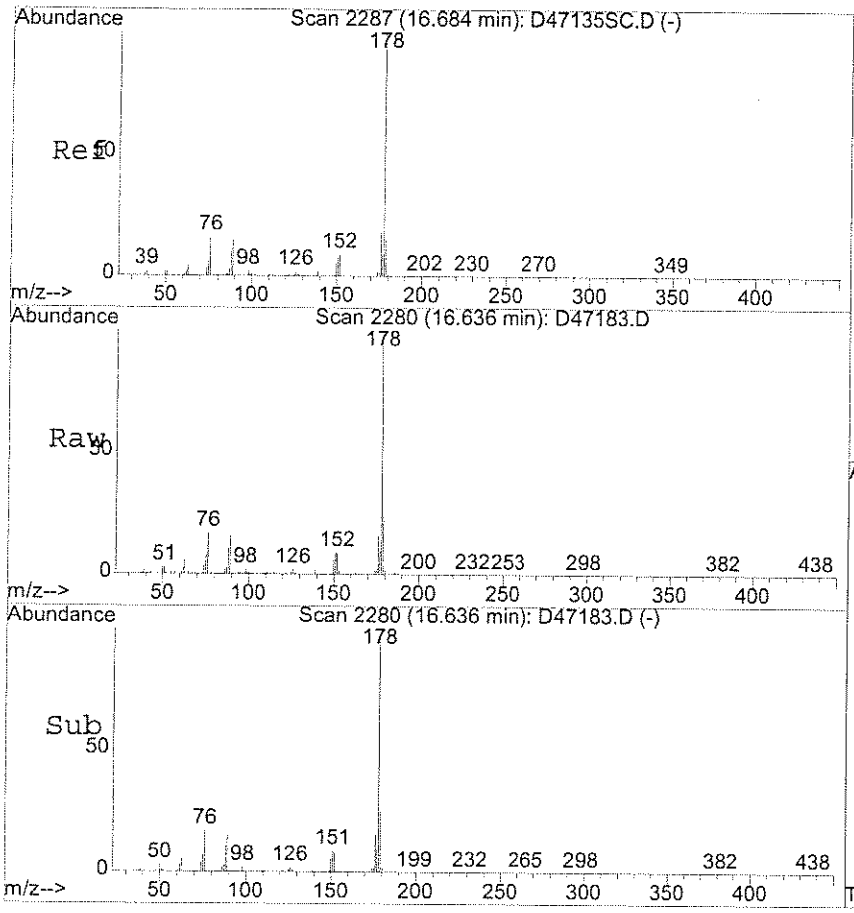


#65 ✓
Phenanthrene
Concen: 68.79 ug/ml
RT: 16.55 min Scan# 2267
Delta R.T. -0.00 min
Lab File: D47183.D
Acq: 29 Apr 2006 6:04 am

Tgt Ion:178 Resp: 2593561

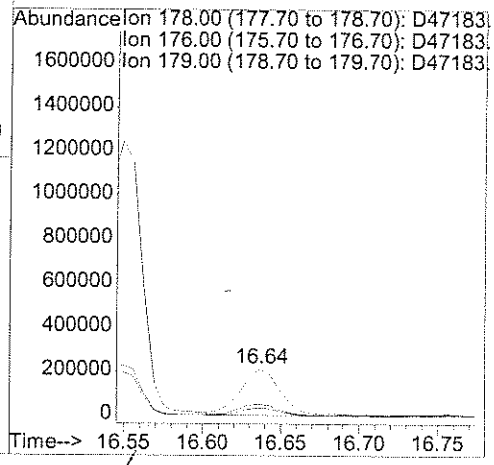
Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.5	18.7
176	18.2	13.8	20.6

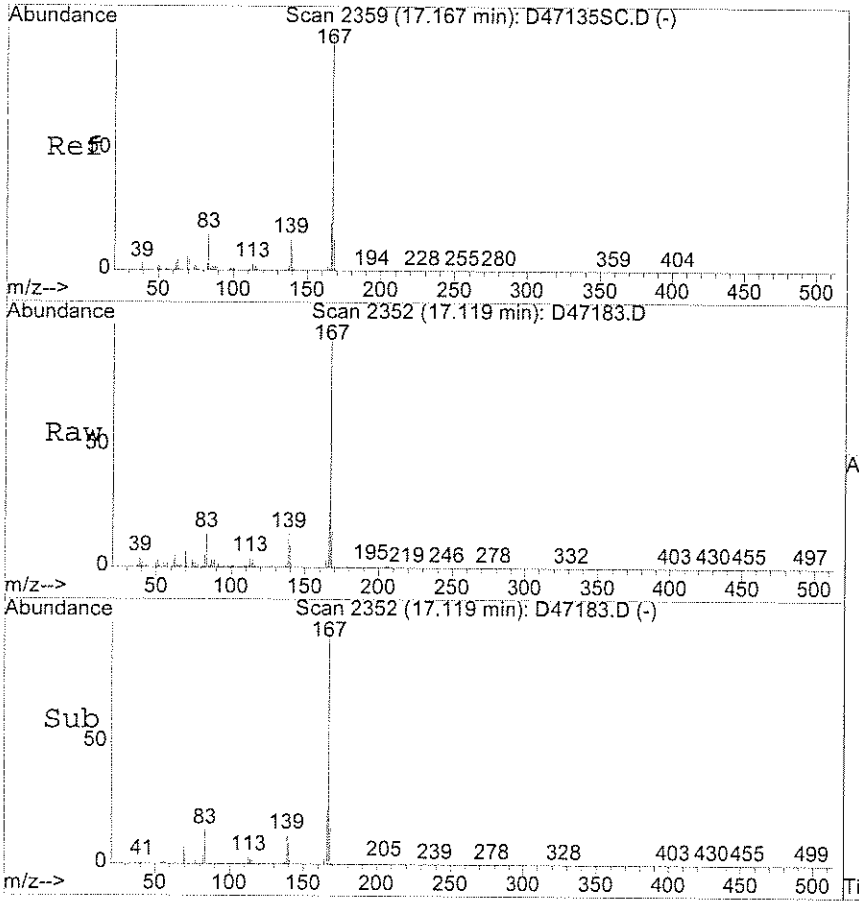




#66
Anthracene
Concen: 10.53 ug/ml
RT: 16.64 min Scan# 2280
Delta R.T. -0.02 min
Lab File: D47183.D
Acq: 29 Apr 2006 6:04 am

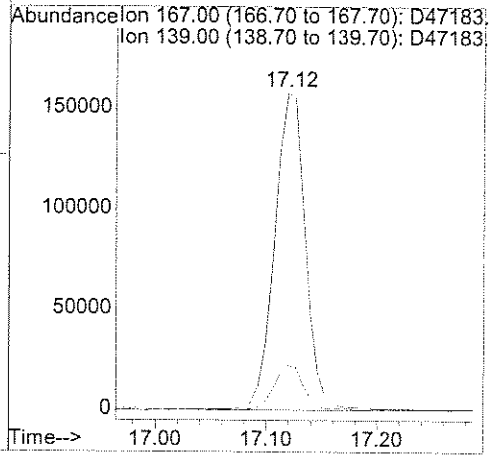
Tgt Ion:178	Resp:	386385	
Ion	Ratio	Lower	Upper
178	100		
176	16.2	14.1	21.1
179	26.7	12.1	18.1#

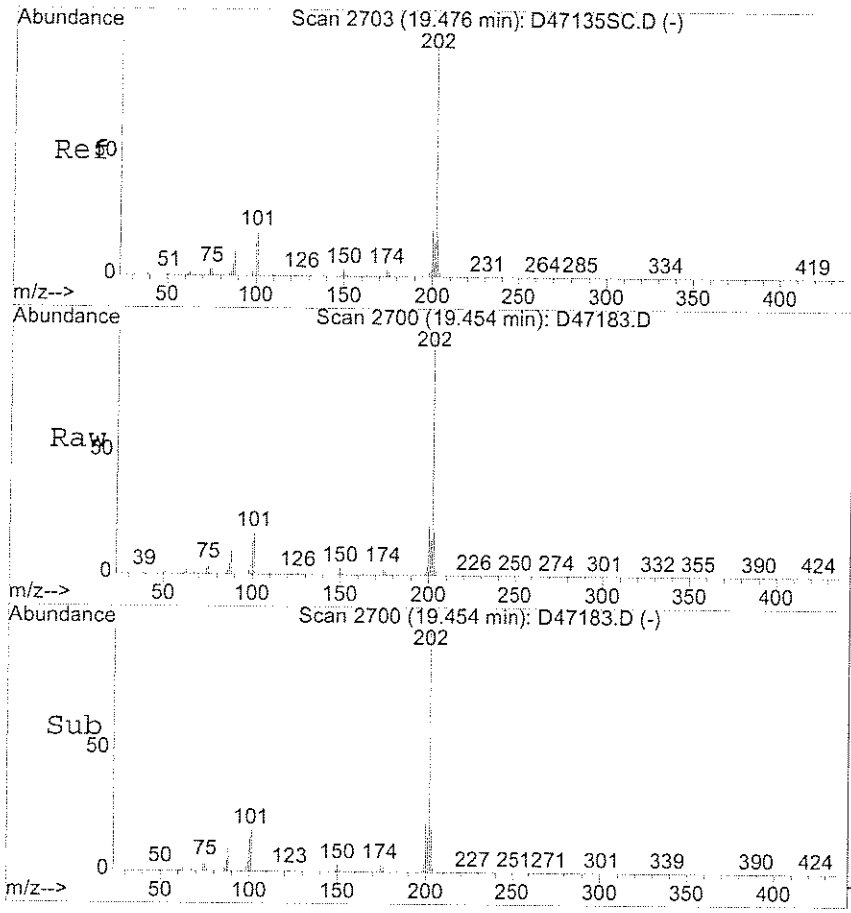




#67
Carbazole
Concen: 8.63 ug/ml
RT: 17.12 min Scan# 2352
Delta R.T. -0.02 min
Lab File: D47183.D
Acq: 29 Apr 2006 6:04 am

Tgt Ion:167	Resp:	304622	
Ion	Ratio	Lower	Upper
167	100		
139	13.8	10.9	16.3

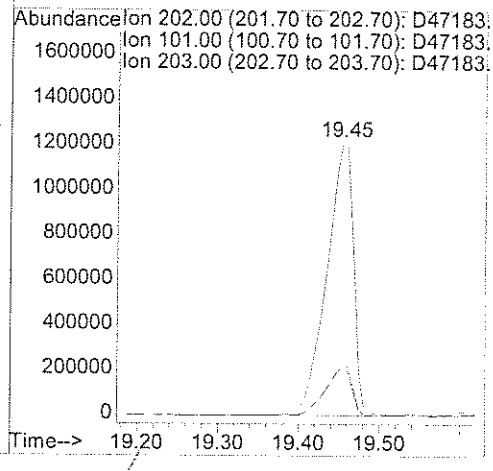


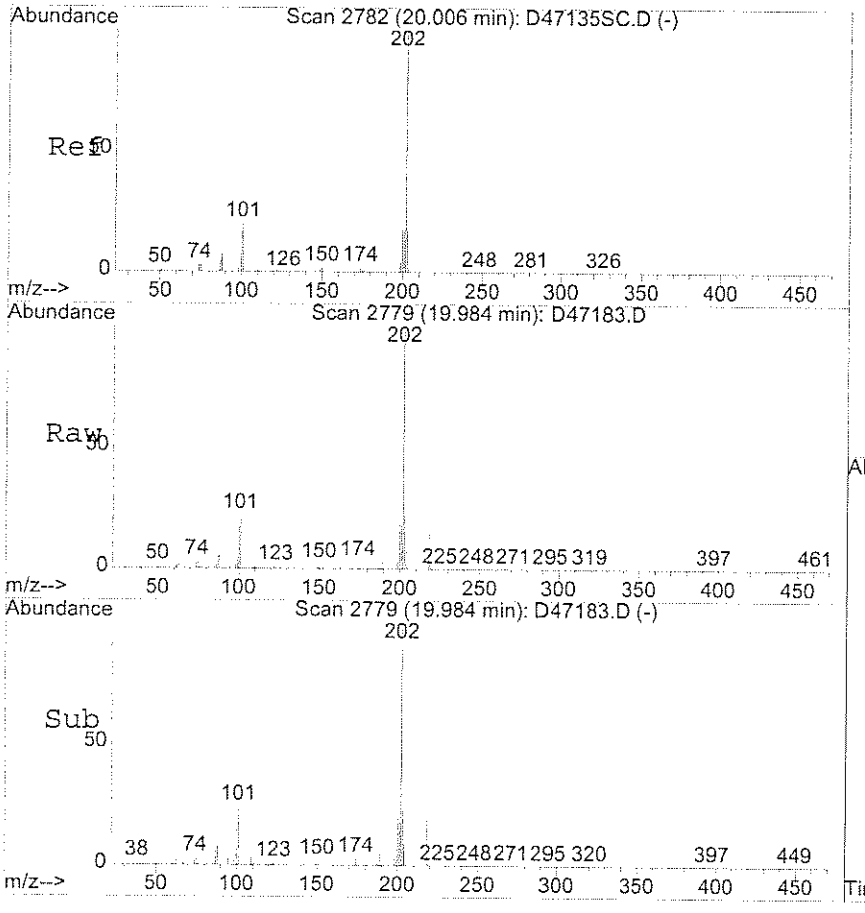


#69 ✓
Fluoranthene
Concen: 73.70 ug/ml
RT: 19.45 min Scan# 2700
Delta R.T. 0.01 min
Lab File: D47183.D
Acq: 29 Apr 2006 6:04 am

Tgt Ion:202 Resp: 2828349

Ion	Ratio	Lower	Upper
202	100		
101	17.3	14.0	21.0
203	17.6	14.1	21.1

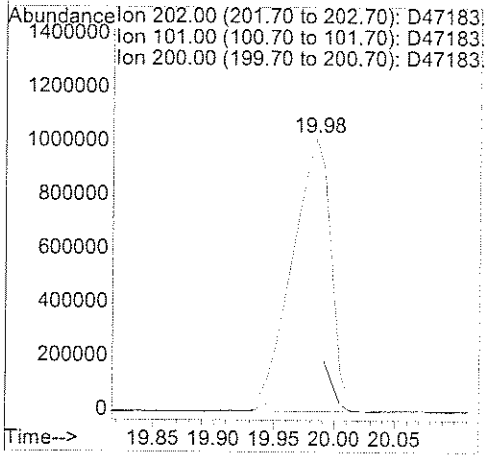


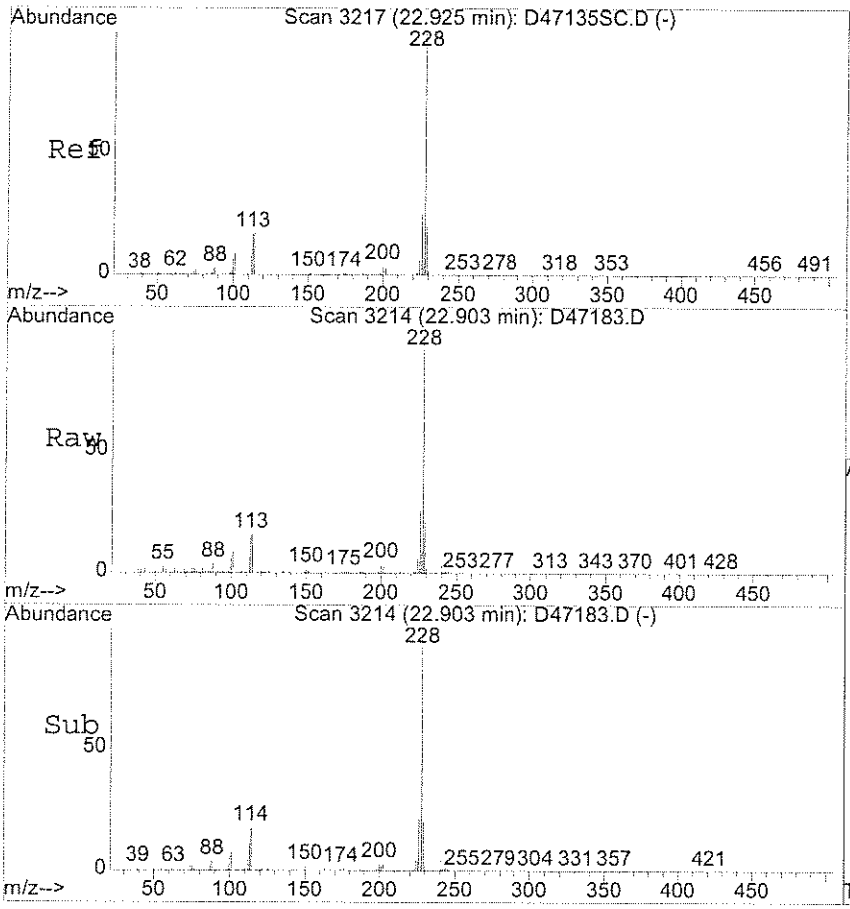


#72 ✓
Pyrene
Concen: 53.43 ug/ml
RT: 19.98 min Scan# 2779
Delta R.T. 0.01 min
Lab File: D47183.D
Acq: 29 Apr 2006 6:04 am

Tgt Ion:202 Resp: 2308136

Ion	Ratio	Lower	Upper
202	100		
101	22.2	16.5	24.7
200	20.1	15.1	22.7

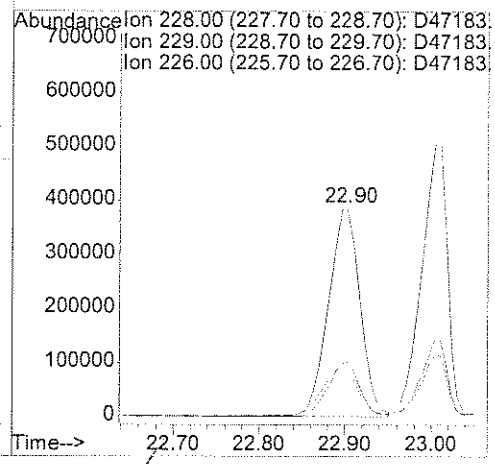


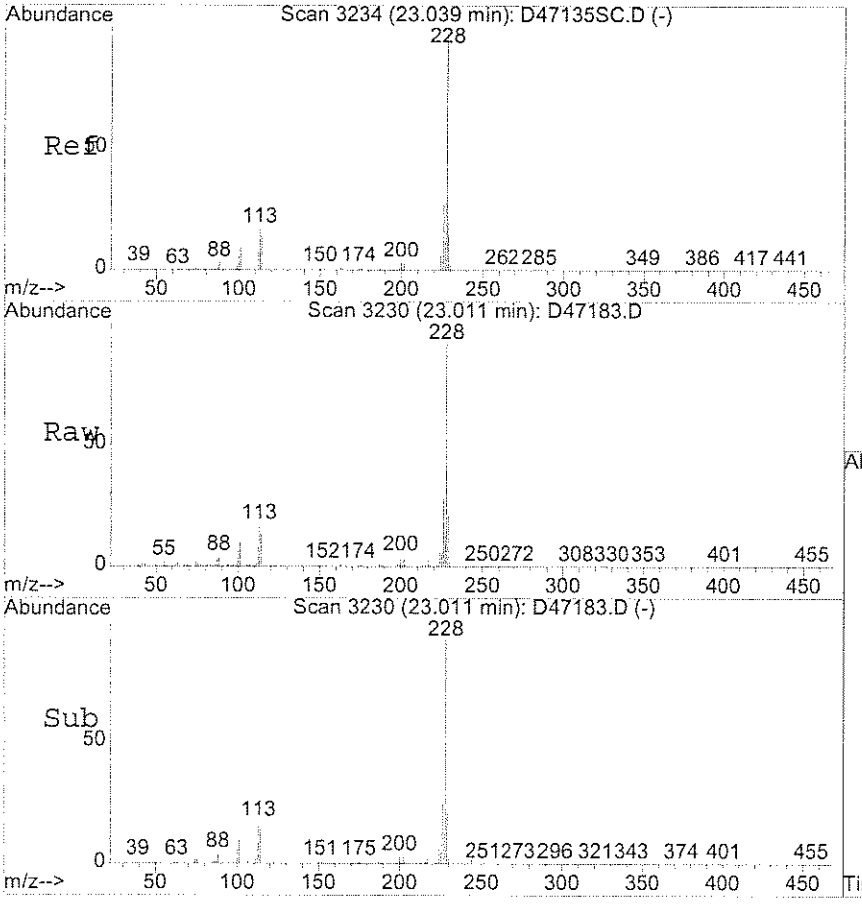


#75 ✓
Benzo[a]anthracene
Concen: 26.14 ug/ml
RT: 22.90 min Scan# 3214
Delta R.T. 0.01 min
Lab File: D47183.D
Acq: 29 Apr 2006 6:04 am

Tgt Ion:228 Resp: 988422

Ion	Ratio	Lower	Upper
228	100		
229	26.1	15.7	23.5#
226	25.9	20.2	30.2

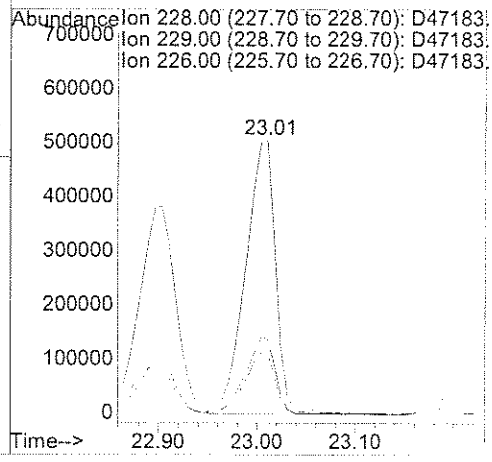


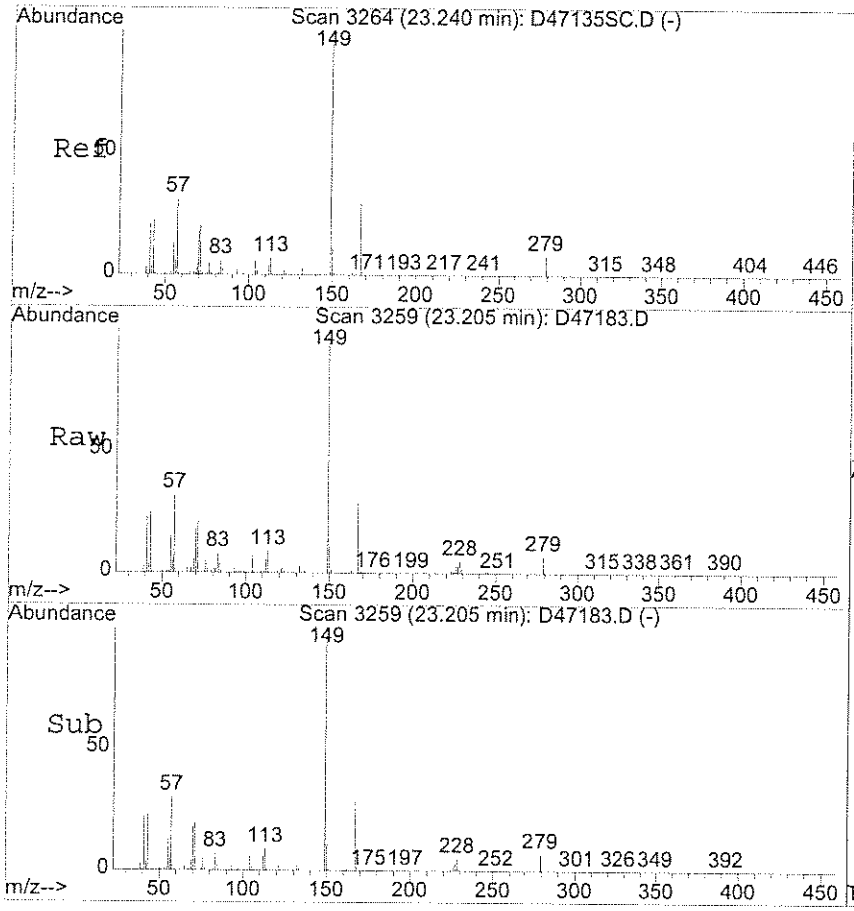


#76 ✓
Chrysene
Concen: 31.99 ug/ml
RT: 23.01 min Scan# 3230
Delta R.T. 0.00 min
Lab File: D47183.D
Acq: 29 Apr 2006 6:04 am

Tgt Ion:228 Resp: 1076462

Ion	Ratio	Lower	Upper
228	100		
229	23.2	15.7	23.5
226	27.8	22.2	33.4

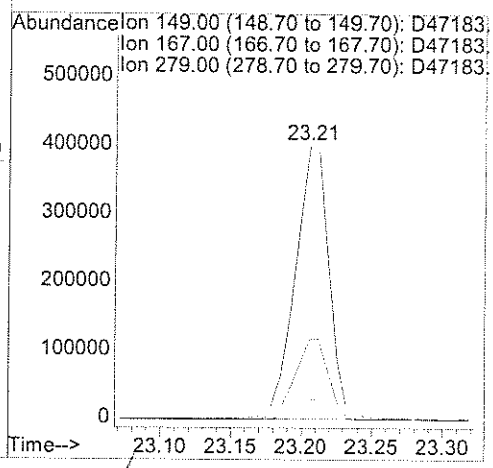


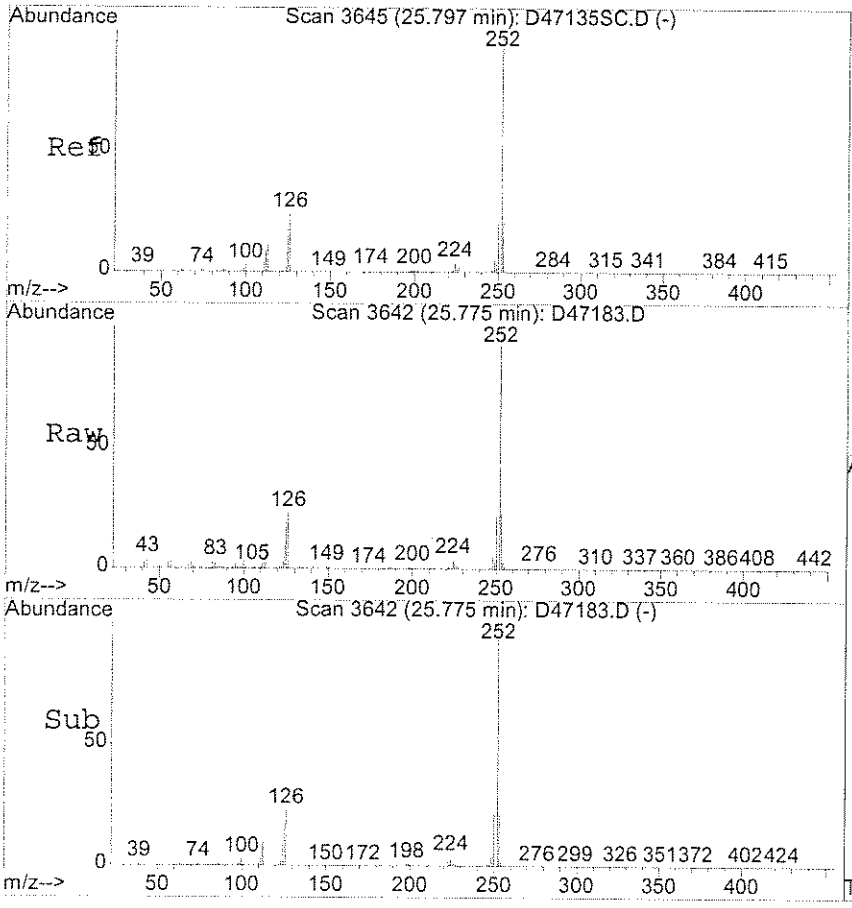


#78 ✓
Bis (2-ethylhexyl) phthalate
Concen: 20.19 ug/ml
RT: 23.21 min Scan# 3259
Delta R.T. -0.00 min
Lab File: D47183.D
Acq: 29 Apr 2006 6:04 am

Tgt Ion:149 Resp: 675569

Ion	Ratio	Lower	Upper
149	100		
167	29.5	24.2	36.4
279	7.5	6.3	9.5

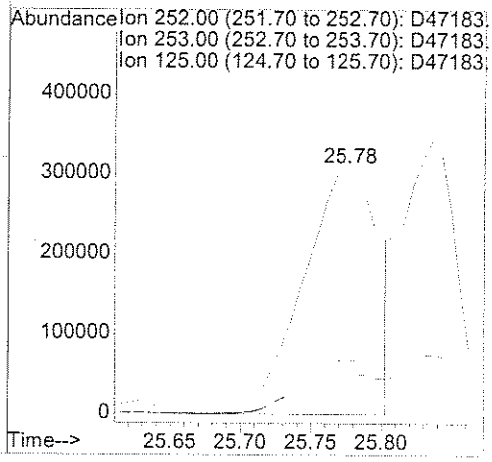


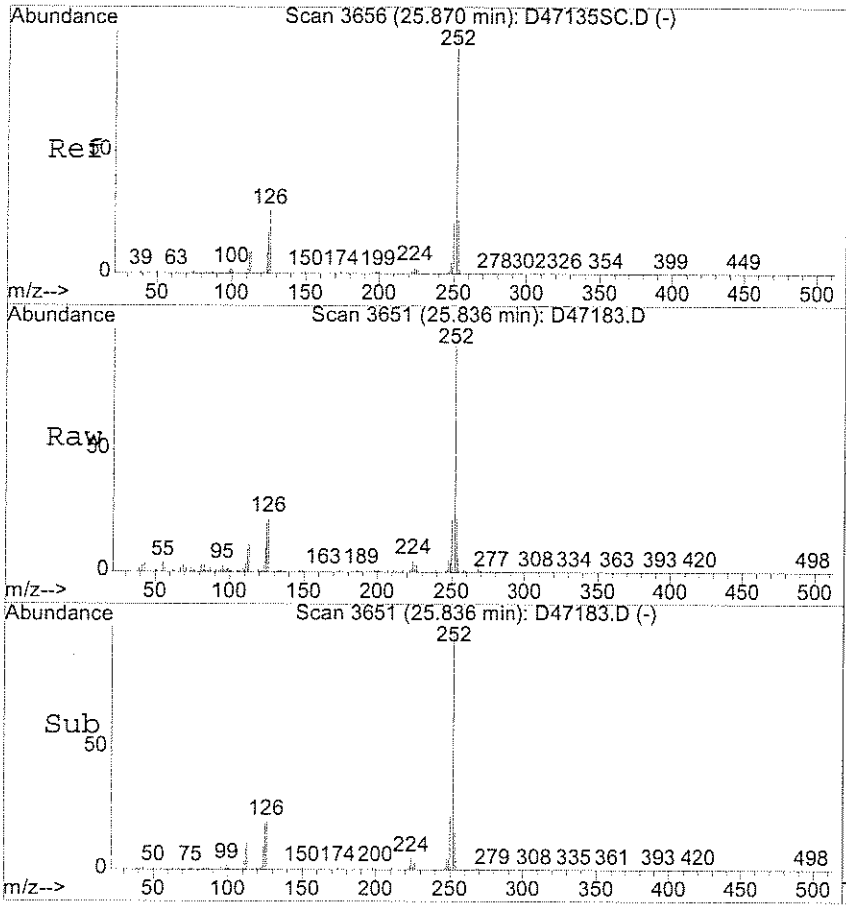


#81 ✓
Benzo[b] fluoranthene
Concen: 25.79 ug/ml
RT: 25.78 min Scan# 3642
Delta R.T. 0.01 min
Lab File: D47183.D
Acq: 29 Apr 2006 6:04 am

Tgt Ion:252 Resp: 1115598

Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.0	25.4
125	17.1	13.8	20.8

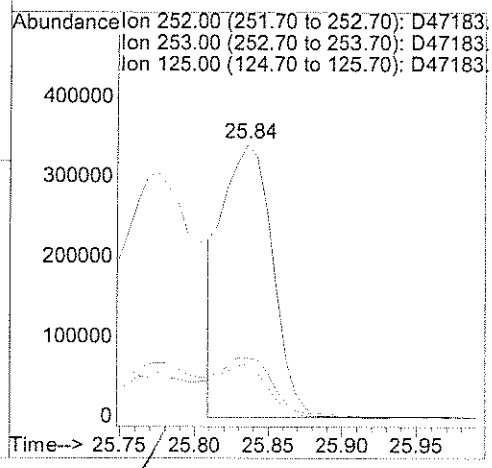


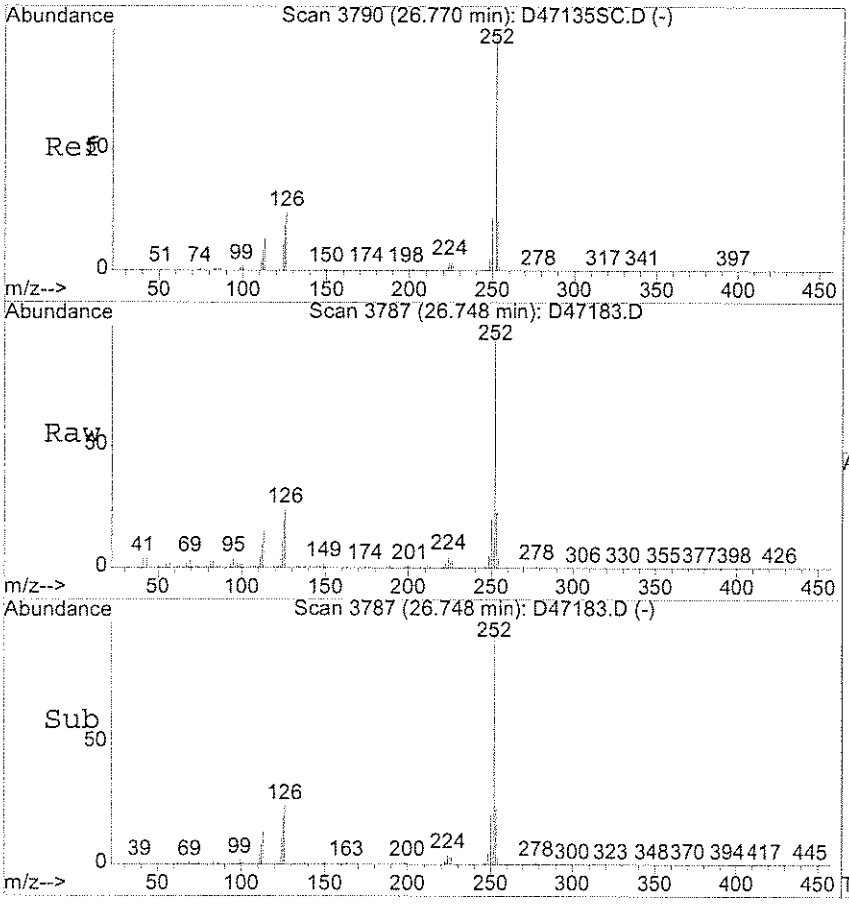


#82
Benzo[k] fluoranthene
Concen: 21.34 ug/ml
RT: 25.84 min Scan# 3651
Delta R.T. -0.00 min
Lab File: D47183.D
Acq: 29 Apr 2006 6:04 am

Tgt Ion:252 Resp: 826633

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	18.2	14.7	22.1

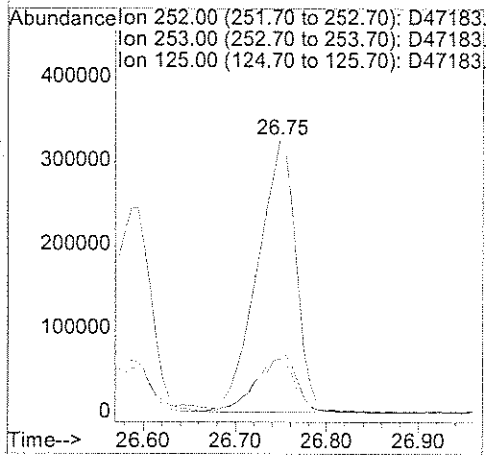


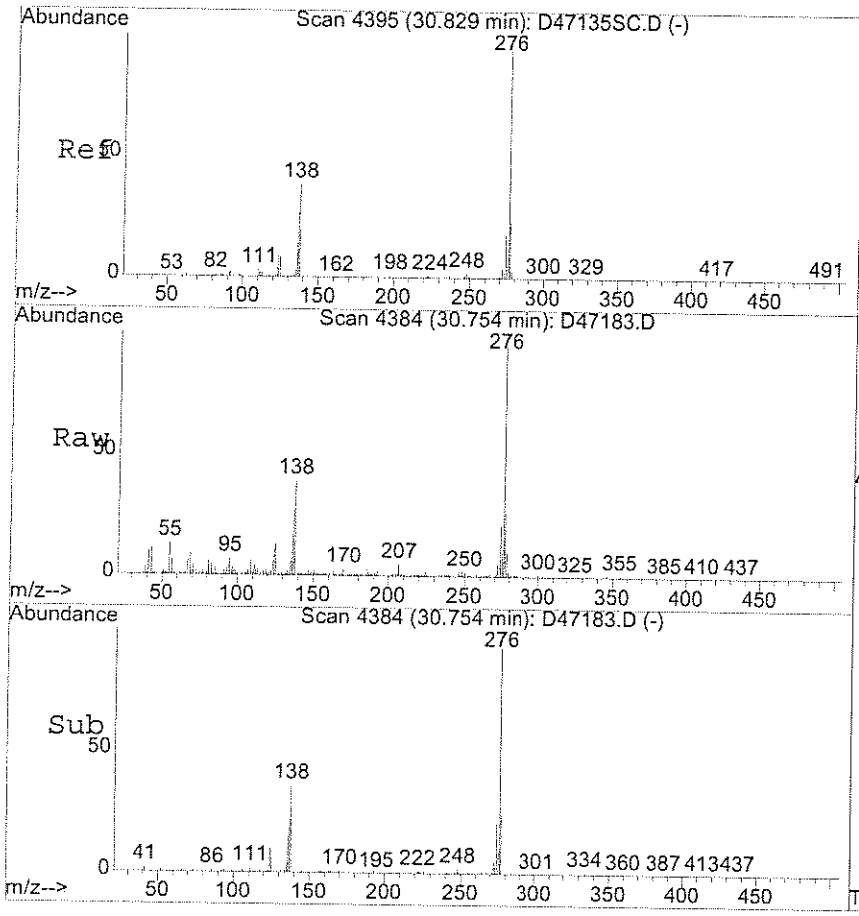


#83
Benzo[a] pyrene
Concen: 25.14 ug/ml
RT: 26.75 min Scan# 3787
Delta R.T. 0.01 min
Lab File: D47183.D
Acq: 29 Apr 2006 6:04 am

Tgt Ion:252 Resp: 959648

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.0
125	19.7	15.5	23.3



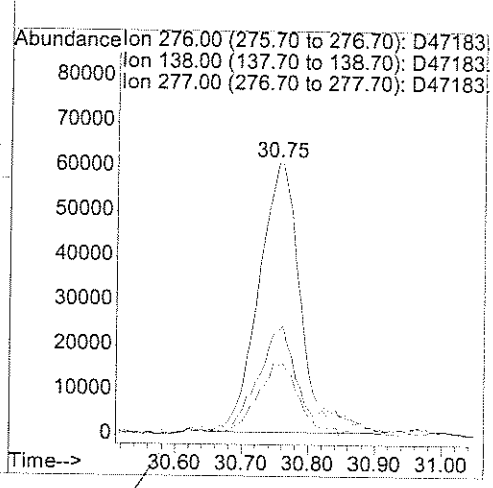


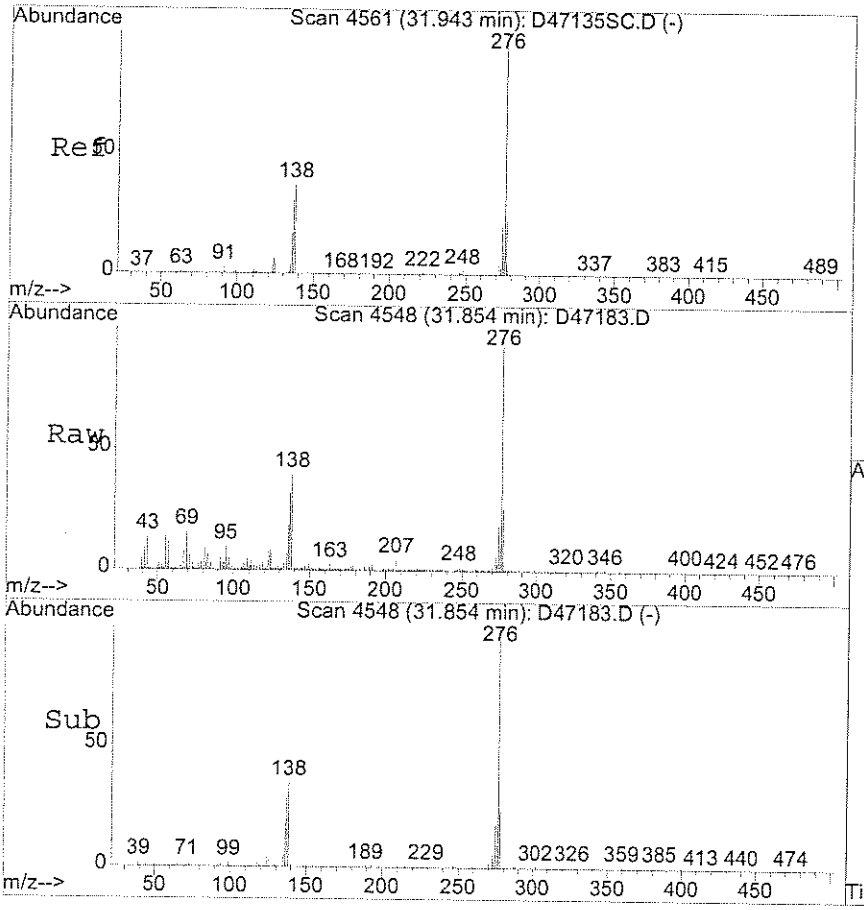
#84

Indeno [1,2,3-cd] pyrene
Concen: 7.33 ug/ml
RT: 30.75 min Scan# 4384
Delta R.T. -0.05 min
Lab File: D47183.D
Acq: 29 Apr 2006 6:04 am

Tgt Ion:276 Resp: 266437

Ion	Ratio	Lower	Upper
276	100		
138	34.2	13.9	20.9#
277	28.2	2.5	3.7#



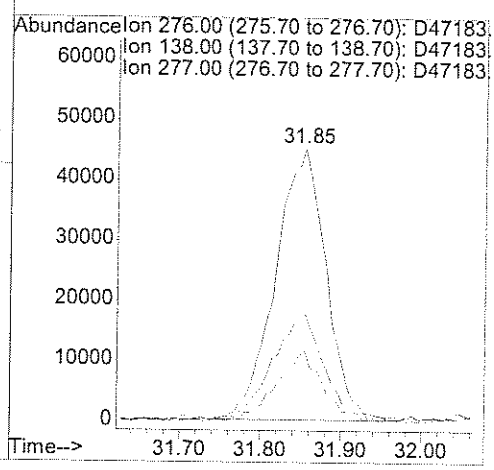


#86

Benzo(g,h,i) perylene
Concen: 5.55 ug/ml
RT: 31.85 min Scan# 4548
Delta R.T. -0.06 min
Lab File: D47183.D
Acq: 29 Apr 2006 6:04 am

Tgt Ion:276 Resp: 196465

Ion	Ratio	Lower	Upper
276	100		
138	39.0	31.0	46.6
277	24.0	19.0	28.4



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SEMI-VOLATILE
QC FORMS

AnalyticsLLC:AEL Documents LLC:Pkg Dividers:SVOCQC.doc

analytics environmental laboratory LLC

SEMI-VOLATILE ORGANIC SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Project #:

Quote #: NA SDG#: 56384

DFTPP File ID: D47088T.D Site ID: Subbase New London Site 7 Location: CT

Instrument ID: D

DFTPP Injection Date: 4/26/06

GC Column: RTX-5MS ID: 0.25(mm) DFTPP Injection Time: 1134

	SAMPLE ID	SMC1 #	SMC 2#	SMC 3 #	SMC 4 #	SMC 5 #	SMC 6 #	TOT OUT
01	S6761 PT3 20/40	NA	NA	NA	NA	NA	NA	0
02	S6745 PT1 2/4	NA	NA	NA	NA	NA	NA	0
03	S6744 PT2A 4/8	NA	NA	NA	NA	NA	NA	0
04	S6743 PT2 10/20	NA	NA	NA	NA	NA	NA	0
05	S6761 PT3 20/40	55	66	81	82	55	81	0
06	S6741 PT4A 40/80	NA	NA	NA	NA	NA	NA	0
07	S6740 PT4 50/100	NA	NA	NA	NA	NA	NA	0
08	S6740 PT5 100/200	NA	NA	NA	NA	NA	NA	0
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								

	QC LIMITS
SMC1 = 2-Fluorophenol	29-97 %
SMC2 = d5-Pher	40-120 %
SMC3 = d5-Nitrobenzene	20-101%
SMC4 = 2-Fluorobiphenyl	34-102 %
SMC5 = 2,4,6-Tribromophenol	36-141 %
SMC6 = d14-p-Terphenyl	38-108%

Column to be used to flag recovery values

* Values outside of protocol required QC limits

D System Monitoring Compound dilute

analytics environmental laboratory LLC

SEMI-VOLATILE ORGANIC SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Project #: Quote #: NA SDG#: 56384

DFTPP File ID: D47171T.D Site ID: Subbase New London Site 7 Location: CT

Instrument ID: D DFTPP Injection Date: 4/28/06

GC Column: RTX-5MS ID: 0.25(mm) DFTPP Injection Time: 2257

	SAMPLE ID	SMC1 #	SMC 2#	SMC 3 #	SMC 4 #	SMC 5 #	SMC 6#	TOT OUT
01	S6761 PT3 20/40	55	56	84	83	57	77	0
02	ZZZZZ	67	74	74	81	86	76	0
03	ZZZZZ	68	74	74	80	89	78	0
04	ZZZZZ	65	71	68	78	89	81	0
05	B04286AS	85	88	69	77	106	74	0
06	L04286AS	81	88	68	76	113	79	0
07	LD04286AS	80	87	66	73	112	77	0
08	56384-1	91	95	74	81	119	86	0
09	56384-1,MS	88	95	73	83	121	87	0
10	56384-1,MSD	85	95	73	83	120	83	0
11	56384-2	88	96	72	83	118	85	0
12	56384-3,,1:2	84	98	72	86	124	84	0
13	ZZZZZ	65	75	73	89	89	62	0
14	ZZZZZ	64	75	76	90	87	65	0
15	ZZZZZ	61	74	73	87	70	62	0
16	ZZZZZ	66	75	73	83	90	67	0
17	ZZZZZ	70	70	70	90	85	70	0
18	ZZZZZ	D	D	D	D	D	D	0
19	ZZZZZ	46	52	48	62	82	62	0
20								
21								
22								
23								
24								
25								
26								

	QC LIMITS
SMC1 = 2-Fluorophenol	29-97 %
SMC2 = d5-Pher	40-120 %
SMC3 = d5-Nitrobenzene	20-101%
SMC4 = 2-Fluorobiphenyl	34-102 %
SMC5 = 2,4,6-Tribromophenol	36-141 %
SMC6 = d14-p-Terphenyl	38-108%

\# Column to be used to flag recovery values

* Values outside of protocol required QC limits

D System Monitoring Compound dilute

analytics environmental laboratory LLC

SEMI-VOLATILE ORGANIC SOLID
LABORATORY CONTROL SPIKE/ DUPLICATE
PERCENT RECOVERY

Project #: SDG# 56384

DFTPP File ID: D47171T.D Site ID: Subbase New London Site 7 Location: CT

Instrument ID: D DFTPP Injection Date: 4/28/06

GC Column: RTX-5MS ID: 0.25(mm) DFTPP Injection Time: 2257

Laboratory Control Spike/Duplicate Sample ID: L04286AS/LD04286AS

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE AMT (ug/kg)	LCS CONC. (ug/kg)	LCS REC %	#	LCSD CONC. (ug/kg)	LCSD REC %	#	RPD	#	QC LIMITS RPD	
Acenaphthene	1333	U	972	73		961	72		1		19	55-96
Acenaphthylene	1333	U	1031	77		1000	75		3		25	54-97
Anthracene	1333	U	1101	83		1088	82		1		25	60-107
Benzo[a]anthracene	1333	U	1059	79		1040	78		2		25	59-110
Benzo[a] pyrene	1333	U	1131	85		1087	82		4		25	62-111
Benzo[b] fluoranthene	1333	U	1085	81		1054	79		3		25	57-114
Benzo(g,h,i) perylene	1333	U	1165	87		1129	85		3		25	61-122
Benzo[k] fluoranthene	1333	U	1225	92		1157	87		6		25	58-111
Chrysene	1333	U	1117	84		1110	83		1		25	60-109
Dibenz [a,h] anthracene	1333	U	1219	91		1158	87		5		25	69-122
Fluoranthene	1333	U	1121	84		1134	85		1		25	65-114
Fluorene	1333	U	1015	76		1039	78		2		25	60-101
Indeno [1,2,3-cd] pyrene	1333	U	1139	85		1115	84		2		25	62-123
2-Methylnaphthalene	1333	U	1010	76		969	73		4		25	60-120
Naphthalene	1333	U	908	68		898	67		1		25	42-95
Phenanthrene	1333	U	1028	77		1019	76		1		47	59-103
Pyrene	1333	U	967	72		957	72		1		35	52-110

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 17 outside limits
Spike Recovery: 0 out of 34 outside limits
Comments: _____

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042806-D\D47177Q.D Vial: 7
Acq On : 29 Apr 2006 2:18 am Operator:
Sample : L04286AS Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 30 8:55 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Fri Apr 28 23:15:57 2006
Response via : Initial Calibration
DataAcq Meth : ABN

5.1.06 4/30/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.69	152	570847	40.00	ug/ml	-0.01
19) d8-Naphthalene	8.63	136	2032077	40.00	ug/ml	-0.01
35) d10-Acenaphthene	12.92	164	977443 ✓	40.00	ug/ml	-0.01
61) d10-Phenanthrene	16.49	188	1660082	40.00	ug/ml	-0.01
71) d12-Chrysene	22.95	240	1468760	40.00	ug/ml	0.00
79) d12-Perylene	26.94	264	1306508	40.00	ug/ml	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	3.41	112	1200025	60.78	ug/ml	-0.02
Spiked Amount ~~75.000~~ 100	Range 29 - 97		Recovery = ~~81.04%~~ 61 ✓			
5) d5-Phenol	5.29	99	1657101	65.70	ug/ml	-0.03
Spiked Amount ~~75.000~~ 100	Range 40 - 120		Recovery = ~~87.60%~~ 66 ✓			
20) d5-nitrobenzene	7.03	82	785412	34.01	ug/ml	-0.01
Spiked Amount 50.000	Range 20 - 101		Recovery = 68.02%			
39) 2-Fluorobiphenyl	11.32	172	1185223	37.80	ug/ml	-0.01
Spiked Amount 50.000	Range 34 - 102		Recovery = 75.60%			
60) 2,4,6-Tribromophenol	14.91	330	495709	84.61	ug/ml	0.00
Spiked Amount ~~75.000~~ 100	Range 36 - 141		Recovery = ~~112.81%~~ 85 ✓			
73) d14-p-terphenyl	20.45	244	1295500	39.74	ug/ml	0.00
Spiked Amount 50.000	Range 38 - 108		Recovery = 79.48%			

Target Compounds						Qvalue
2) Pyridine	1.49	79	551633	16.55	ug/ml	98
3) N-nitrosodimethylamine	1.47	42	431153	21.90	ug/ml	95
6) Aniline	5.12	93	768459	25.97	ug/ml	100
7) Phenol	5.33	94	693493	26.59	ug/ml	87
8) 2-Chlorophenol	5.42	128	549419	26.41	ug/ml	100
9) bis(2-chloroethyl) ether	5.24	93	576251	25.95	ug/ml	99
10) 1,3-Dichlorobenzene	5.61	146	541340	24.60	ug/ml	99
11) 1,4-Dichlorobenzene	5.73	146	543579	24.38	ug/ml	98
12) 1,2-Dichlorobenzene	6.14	146	532978	25.63	ug/ml	99
13) Benzyl Alcohol	6.12	108	348321	30.41	ug/ml	99
14) 2-Methylphenol	6.57	108	469310	27.41	ug/ml	99
15) bis(2-chloroisopropyl)ethe	6.42	45	1024794	24.82	ug/ml	99
16) 3+4-Methylphenol	6.91	108	512316	28.45	ug/ml	98
17) Hexachloroethane	6.81	117	216636	24.64	ug/ml	99
18) N-nitroso-di-n-propylamine	6.75	70	491145	29.03	ug/ml	99
21) Nitrobenzene	7.07	123	302934	27.85	ug/ml	100
22) Isophorone	7.60	82	1335239	33.86	ug/ml	99
23) 2-Nitrophenol	7.81	139	348372	28.93	ug/ml	100
24) 2,4-Dimethylphenol	8.08	107	476259	27.16	ug/ml	100
25) Bis(2-chloroethoxy)methane	8.18	93	673862	28.47	ug/ml	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042806-D\D47177Q.D Vial: 7
Acq On : 29 Apr 2006 2:18 am Operator:
Sample : L04286AS Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 30 8:55 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Fri Apr 28 23:15:57 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 2,4-Dichlorophenol	8.52	162	391751	28.03 ug/ml	100
27) Benzoic Acid	8.52	105	215300	20.74 ug/ml	97
28) 1,2,4-Trichlorobenzene	8.54	180	386548	26.83 ug/ml	100
29) Naphthalene	8.67	128	1417134	27.24 ug/ml	100
31) 4-Chloroaniline	8.93	127	671431	29.04 ug/ml	100
32) Hexachlorobutadiene	9.12	225	231048	26.12 ug/ml	98
33) 4-Chloro-3-methylphenol	10.36	107	460209	31.45 ug/ml	97
34) 2-Methylnaphthalene	10.34	141	906252	30.30 ug/ml	78
36) Hexachlorocyclopentadiene	10.89	237	176088	28.64 ug/ml	98
37) 2,4,6-Trichlorophenol	11.21	196	285003	29.86 ug/ml	97
38) 2,4,5-Trichlorophenol	11.45	196	317335	31.49 ug/ml	99
40) 2-Chloronaphthalene	11.52	162	860628	28.65 ug/ml	99
41) 2-Nitroaniline	11.95	138	447868	32.11 ug/ml	99
42) 2,6-Dinitrotoluene	12.64	165	278501	31.92 ug/ml	99
43) Dimethyl Phthalate	12.47	163	1115712	32.19 ug/ml	100
44) Acenaphthylene	12.54	152	1490285	30.92 ug/ml	100
45) 3-Nitroaniline	12.98	138	364763	33.43 ug/ml	96
46) Acenaphthene	12.99	154	821243	29.16 ug/ml	99
47) 2,4-dinitrophenol	13.24	184	128818	29.39 ug/ml	98
48) Dibenzofuran	13.39	168	1224633	30.73 ug/ml	98
49) 4-Nitrophenol	13.89	109	127509	31.42 ug/ml	90
50) 2,4-Dinitrotoluene	13.58	165	390147	35.15 ug/ml	97
52) Fluorene	14.22	166	958880	30.45 ug/ml	99
53) Diethyl Phthalate	14.21	149	1181593	33.28 ug/ml	99
54) 4-Chlorophenyl phenyl eth	14.27	204	489723	31.34 ug/ml	98
55) 4-Nitroaniline	14.51	138	386140	38.09 ug/ml	96
56) 4,6-Dinitro-2-methylphenol	14.58	198	226258	32.96 ug/ml	100
57) n-nitrosodiphenylamine	14.62	169	734718	34.53 ug/ml	94
58) Azobenzene	14.64	77	1574876	31.10 ug/ml	94
59) Biphenyl	11.52	154	1093259	28.42 ug/ml	99
62) 4-bromophenyl phenyl ether	15.44	248	297998	30.64 ug/ml	100
63) Hexachlorobenzene	15.76	284	351868	32.27 ug/ml	97
64) Pentachlorophenol	16.29	266	149507	26.09 ug/ml	100
65) Phenanthrene	16.54	178	1352530	30.85 ug/ml	99
66) Anthracene	16.65	178	1409798	33.03 ug/ml	99
67) Carbazole	17.15	167	2699815	65.75 ug/ml	99
68) Di-n-butyl phthalate	18.15	149	2080539	34.70 ug/ml	100
69) Fluoranthene	19.44	202	1501497	33.64 ug/ml	99
70) Benzidine	19.86	184	487535	44.77 ug/ml	98
72) Pyrene	19.97	202	1466088	29.00 ug/ml	100
74) Butyl benzyl phthalate	21.76	149	926013	32.40 ug/ml	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042806-D\D47177Q.D Vial: 7
Acq On : 29 Apr 2006 2:18 am Operator:
Sample : L04286AS Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 30 8:55 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Fri Apr 28 23:15:57 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
75) Benzo[a]anthracene	22.90	228	1405163	31.76 ug/ml	99
76) Chrysene	23.01	228	1320179	33.52 ug/ml	99
77) 3,3'-Dichlorobenzidine	22.96	252	1103328	72.18 ug/ml	99
78) Bis (2-ethylhexyl) phthala	23.21	149	1281731	32.73 ug/ml	99
80) di-n-octyl-phthalate	24.79	149	2173524	35.27 ug/ml	99
81) Benzo[b] fluoranthene	25.76	252	1312535	32.56 ug/ml	99
82) Benzo[k] fluoranthene	25.84	252	1326762	36.76 ug/ml	98
83) Benzo[a] pyrene	26.74	252	1206358	33.92 ug/ml	99
84) Indeno [1,2,3-cd] pyrene	30.78	276	1157563	34.17 ug/ml#	56
85) Dibenz [a,h] anthracene	30.88	278	1149799	36.57 ug/ml	99
86) Benzo(g,h,i) perylene	31.89	276	1153619	34.96 ug/ml	100

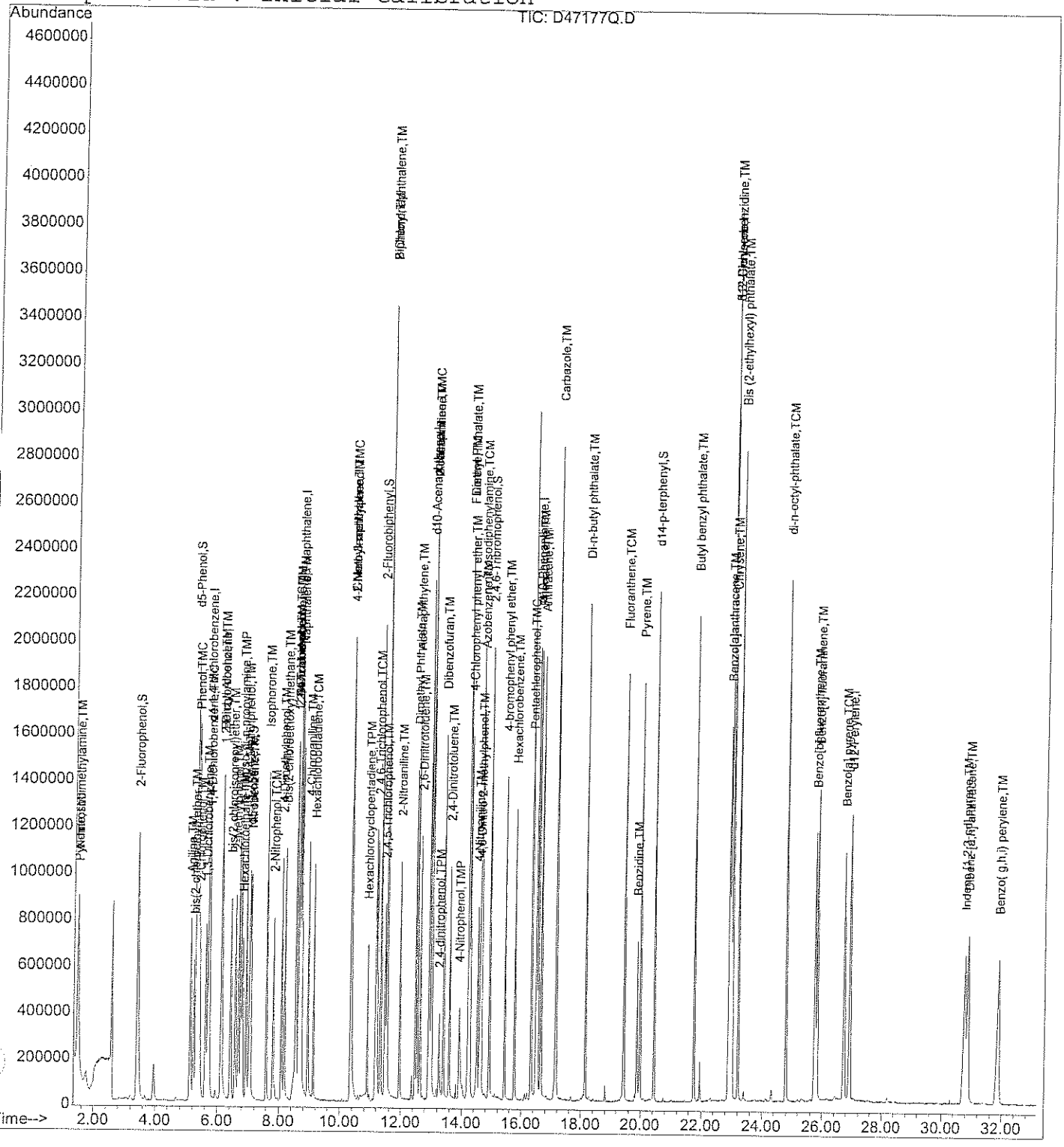
(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042806-D\D47177Q.D
Acq On : 29 Apr 2006 2:18 am
Sample : L04286AS
Misc : SOIL
MS Integration Params: RTEINT.P
Quant Time: Apr 30 8:55 2006

Vial: 7
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: S04266.RES

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Fri Apr 28 23:15:57 2006
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042806-D\D47178Q.D
Acq On : 29 Apr 2006 2:51 am
Sample : LD04286AS
Misc : SOIL
Integration Params: RTEINT.P
Quant Time: Apr 30 8:55 2006

Vial: 8
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Fri Apr 28 23:15:57 2006
Response via : Initial Calibration
DataAcq Meth : ABN

5.1.06 4/30/06

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.69	152	554466	40.00 ug/ml	0.00
19) d8-Naphthalene	8.63	136	2049608	40.00 ug/ml	-0.02
35) d10-Acenaphthene	12.92	164	980312 ✓	40.00 ug/ml	0.00
61) d10-Phenanthrene	16.49	188	1654149	40.00 ug/ml	0.00
71) d12-Chrysene	22.95	240	1489415	40.00 ug/ml	0.00
79) d12-Perylene	26.94	264	1340047	40.00 ug/ml	-0.02

System Monitoring Compounds					
4) 2-Fluorophenol	3.41	112	1148891	59.91 ug/ml	-0.02
Spiked Amount ~~75.000~~ 100	Range 29 - 97		Recovery = ~~79.88%~~ 60		
5) d5-Phenol	5.29	99	1597464	65.21 ug/ml	-0.03
Spiked Amount ~~75.000~~ 100	Range 40 - 120		Recovery = ~~86.95%~~ 65		
20) d5-nitrobenzene	7.03	82	771731	33.13 ug/ml	0.00
Spiked Amount 50.000	Range 20 - 101		Recovery = 66.26%		
39) 2-Fluorobiphenyl	11.32	172	1149372	36.55 ug/ml	0.00
Spiked Amount 50.000	Range 34 - 102		Recovery = 73.10%		
60) 2,4,6-Tribromophenol	14.91	330	492066	83.74 ug/ml	0.00
Spiked Amount ~~75.000~~ 100	Range 36 - 141		Recovery = ~~111.65%~~ 84		
73) d14-p-terphenyl	20.45	244	1271057	38.45 ug/ml	0.00
Spiked Amount 50.000	Range 38 - 108		Recovery = 76.90%		

Target Compounds					Qvalue
2) Pyridine	1.48	79	529303	16.35 ug/ml	99
3) N-nitrosodimethylamine	1.46	42	436582	22.83 ug/ml	98
6) Aniline	5.12	93	724560	25.21 ug/ml	99
7) Phenol	5.33	94	664066	26.21 ug/ml	99
8) 2-Chlorophenol	5.42	128	537605	26.61 ug/ml	91
9) bis(2-chloroethyl) ether	5.24	93	564452	26.17 ug/ml	98
10) 1,3-Dichlorobenzene	5.61	146	523405	24.49 ug/ml	98
11) 1,4-Dichlorobenzene	5.73	146	549351	25.37 ug/ml	99
12) 1,2-Dichlorobenzene	6.14	146	511367	25.32 ug/ml	100
13) Benzyl Alcohol	6.12	108	340231	30.58 ug/ml	100
14) 2-Methylphenol	6.57	108	466258	28.04 ug/ml	98
15) bis(2-chloroisopropyl)ethe	6.42	45	1038294	25.89 ug/ml	99
16) 3+4-Methylphenol	6.91	108	515171	29.45 ug/ml	99
17) Hexachloroethane	6.80	117	224086	26.24 ug/ml	98
18) N-nitroso-di-n-propylamine	6.75	70	498593	30.34 ug/ml	98
21) Nitrobenzene	7.07	123	298763	27.23 ug/ml	97
22) Isophorone	7.60	82	1320088	33.19 ug/ml	99
23) 2-Nitrophenol	7.81	139	336918	27.74 ug/ml	99
24) 2,4-Dimethylphenol	8.08	107	470465	26.60 ug/ml	99
25) Bis(2-chloroethoxy)methane	8.18	93	653001	27.36 ug/ml	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042806-D\D47178Q.D Vial: 8
Acq On : 29 Apr 2006 2:51 am Operator:
Sample : LD04286AS Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 30 8:55 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Fri Apr 28 23:15:57 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 2,4-Dichlorophenol	8.52	162	399888	28.37 ug/ml	99
27) Benzoic Acid	8.53	105	228180	21.65 ug/ml	96
28) 1,2,4-Trichlorobenzene	8.55	180	390951	26.91 ug/ml	99
29) Naphthalene	8.67	128	1413497	26.94 ug/ml	100
31) 4-Chloroaniline	8.93	127	641992	27.53 ug/ml	99
32) Hexachlorobutadiene	9.12	225	228051	25.56 ug/ml	98
33) 4-Chloro-3-methylphenol	10.36	107	447581	30.33 ug/ml	97
34) 2-Methylnaphthalene	10.34	141	876584	29.06 ug/ml	80
36) Hexachlorocyclopentadiene	10.89	237	179568	29.07 ug/ml	98
37) 2,4,6-Trichlorophenol	11.20	196	283170	29.58 ug/ml	98
38) 2,4,5-Trichlorophenol	11.45	196	316946	31.36 ug/ml	98
40) 2-Chloronaphthalene	11.52	162	833444	27.67 ug/ml	99
41) 2-Nitroaniline	11.95	138	429511	30.70 ug/ml	99
42) 2,6-Dinitrotoluene	12.65	165	278736	31.85 ug/ml	100
43) Dimethyl Phthalate	12.47	163	1114882	32.07 ug/ml	99
44) Acenaphthylene	12.54	152	1450291	30.00 ug/ml	100
45) 3-Nitroaniline	12.98	138	356685	32.60 ug/ml	96
46) Acenaphthene	13.00	154	814479	28.84 ug/ml	97
47) 2,4-dinitrophenol	13.24	184	132234	29.96 ug/ml	100
48) Dibenzofuran	13.38	168	1167367	29.21 ug/ml	100
49) 4-Nitrophenol	13.89	109	125098	30.74 ug/ml	90
50) 2,4-Dinitrotoluene	13.59	165	377577	33.91 ug/ml	98
52) Fluorene	14.22	166	984572	31.18 ug/ml	100
53) Diethyl Phthalate	14.20	149	1193640	33.52 ug/ml	100
54) 4-Chlorophenyl phenyl eth	14.26	204	499597	31.88 ug/ml	99
55) 4-Nitroaniline	14.51	138	383453	37.72 ug/ml	96
56) 4,6-Dinitro-2-methylphenol	14.59	198	230117	33.41 ug/ml	100
57) n-nitrosodiphenylamine	14.61	169	734202	34.41 ug/ml	95
58) Azobenzene	14.65	77	1568635	30.89 ug/ml	93
59) Biphenyl	11.52	154	1077051	27.91 ug/ml	99
62) 4-bromophenyl phenyl ether	15.44	248	293508	30.29 ug/ml	100
63) Hexachlorobenzene	15.76	284	346311	31.87 ug/ml	97
64) Pentachlorophenol	16.30	266	151172	26.42 ug/ml	98
65) Phenanthrene	16.54	178	1335278	30.56 ug/ml	99
66) Anthracene	16.65	178	1388409	32.64 ug/ml	100
67) Carbazole	17.15	167	2669167	65.23 ug/ml	99
68) Di-n-butyl phthalate	18.15	149	2101220	35.18 ug/ml	100
69) Fluoranthene	19.44	202	1513322	34.03 ug/ml	100
70) Benzidine	19.86	184	338061	31.16 ug/ml	97
72) Pyrene	19.97	202	1471228	28.70 ug/ml	99
74) Butyl benzyl phthalate	21.76	149	904946	31.22 ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042806-D\D47178Q.D Vial: 8
Acq On : 29 Apr 2006 2:51 am Operator:
Sample : LD04286AS Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 30 8:55 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Fri Apr 28 23:15:57 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
75) Benzo[a]anthracene	22.90	228	1400473	31.21 ug/ml	100
76) Chrysene	23.01	228	1330046	33.30 ug/ml	99
77) 3,3'-Dichlorobenzidine	22.97	252	1076731	69.47 ug/ml	98
78) Bis (2-ethylhexyl) phthala	23.21	149	1286290	32.39 ug/ml	99
80) di-n-octyl-phthalate	24.79	149	2159149	34.16 ug/ml	100
81) Benzo[b] fluoranthene	25.76	252	1306842	31.61 ug/ml	99
82) Benzo[k] fluoranthene	25.84	252	1285216	34.71 ug/ml	99
83) Benzo[a] pyrene	26.74	252	1189330	32.60 ug/ml	99
84) Indeno [1,2,3-cd] pyrene	30.78	276	1161679	33.44 ug/ml#	55
85) Dibenz [a,h] anthracene	30.89	278	1120681	34.75 ug/ml	100
86) Benzo(g,h,i) perylene	31.90	276	1146300	33.87 ug/ml	100

(#) = qualifier out of range (m) = manual integration

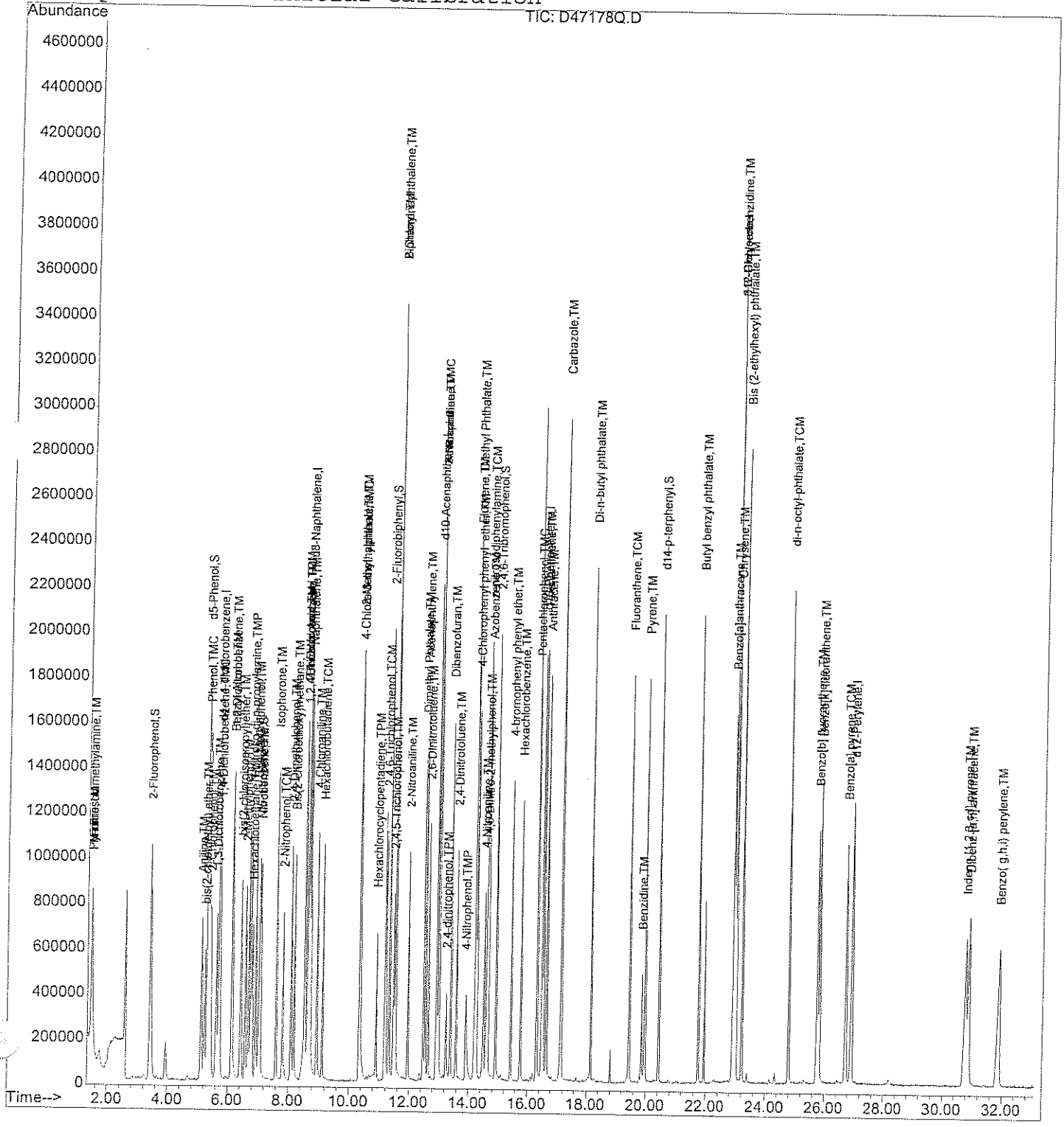
Quantitation Report

Data File : D:\HPCHEM\1\DATA\042806-D\D47178Q.D
Acq On : 29 Apr 2006 2:51 am
Sample : LD04286AS
Misc : SOIL
MS Integration Params: RTEINT.P
Quant Time: Apr 30 8:55 2006

Vial: 8
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: S04266.RES

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Fri Apr 28 23:15:57 2006
Response via : Initial Calibration



analytics environmental laboratory LLC

SEMI-VOLATILE ORGANIC SOIL
MATRIX SPIKE/ DUPLICATE
PERCENT RECOVERY

Project #:

SDG#: 56384

DFTPP File ID: D47171T.D

Site ID: Subbase New London Site 7

Location: CT

Instrument ID: D

DFTPP Injection Date: 4/28/06

GC Column: RTX-5MS

ID: 0.25(mm)

DFTPP Injection Time: 2257

Matrix Spike/Duplicate Sample ID: 56384-1

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE AMT (ug/kg)		MS CONC. (ug/kg)	MS REC %	#	SPIKE ADDED (ug/kg)	MSD CONC. (ug/kg)	MSD REC %	#	RPD	#	QC LIMITS RPD	
Acenaphthene	2522	U		1994	79		2490	1996	80		0		19	55-96
Acenaphthylene	2522	U		2112	84		2490	2109	85		0		25	54-97
Anthracene	2522	U		2219	88		2490	2197	88		1		25	60-107
Benzo[a]anthracene	2522	U		2137	85		2490	2194	88		3		25	59-110
Benzo[a] pyrene	2522	U		2284	91		2490	2257	91		1		25	62-111
Benzo[b] fluoranthene	2522	U		2084	83		2490	1994	80		4		25	57-114
Benzo(g,h,i) perylene	2522	U		2580	102		2490	2335	94		10		25	61-122
Benzo[k] fluoranthene	2522	U		2229	88		2490	2152	86		4		25	58-111
Chrysene	2522	U		2259	90		2490	2206	89		2		25	60-109
Dibenz [a,h] anthracene	2522	U		2663	106		2490	2503	101		6		25	69-122
Fluoranthene	2522	U		2212	88		2490	2157	87		3		25	65-114
Fluorene	2522	U		2179	86		2490	2137	86		2		25	60-101
Indeno [1,2,3-cd] pyrene	2522	U		2559	101		2490	2333	94		9		25	62-123
2-Methylnaphthalene	2522	U		2052	81		2490	2057	83		0		25	60-120
Naphthalene	2522	U		1850	73		2490	1883	76		2		25	42-95
Phenanthrene	2522	U		2065	82		2490	2147	86		4		25	59-103
Pyrene	2522	U		2086	83		2490	2161	87		3		36	52-110

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits
RPD: 0 out of 17 outside limits
Spike Recovery: 0 out of 34 outside limits

Comments: _____

_____

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042806-D\D47180SP.D Vial: 10
Acq On : 29 Apr 2006 4:25 am Operator:
Sample : 56384-1,MS Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 30 9:14 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Sun Apr 30 09:14:38 2006
Response via : Initial Calibration
DataAcq Meth : ABN

5.1.06 4/30/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.70	152	532958	40.00	ug/ml	0.00
19) d8-Naphthalene	8.63	136	1955700	40.00	ug/ml	-0.02
35) d10-Acenaphthene	12.92	164	917382	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.48	188	1583023	40.00	ug/ml	-0.02
71) d12-Chrysene	22.95	240	1263922	40.00	ug/ml	0.00
79) d12-Perylene	26.94	264	1264001	40.00	ug/ml	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	3.42	112	1210449	65.67	ug/ml	0.00
Spiked Amount 75.000	Range 29 - 97		Recovery = 87.56%			
5) d5-Phenol	5.29	99	1685409	71.58	ug/ml	-0.03
Spiked Amount 75.000	Range 40 - 120		Recovery = 95.44%			
20) d5-nitrobenzene	7.03	82	806720	36.30	ug/ml	0.00
Spiked Amount 50.000	Range 20 - 101		Recovery = 72.60%			
39) 2-Fluorobiphenyl	11.32	172	1215016	41.29	ug/ml	0.00
Spiked Amount 50.000	Range 34 - 102		Recovery = 82.58%			
60) 2,4,6-Tribromophenol	14.91	330	498933	90.74	ug/ml	0.00
Spiked Amount 75.000	Range 36 - 141		Recovery = 120.99%			
73) d14-p-terphenyl	20.44	244	1226708	43.73	ug/ml	0.00
Spiked Amount 50.000	Range 38 - 108		Recovery = 87.46%			
Target Compounds						Qvalue
2) Pyridine	1.49	79	691777	22.23	ug/ml	100
3) N-nitrosodimethylamine	1.47	42	440895	23.99	ug/ml	98
6) Aniline	5.12	93	885100	32.04	ug/ml	99
7) Phenol	5.33	94	718063	29.49	ug/ml	90
8) 2-Chlorophenol	5.42	128	560811	28.87	ug/ml	97
9) bis(2-chloroethyl) ether	5.24	93	597367	28.81	ug/ml	100
10) 1,3-Dichlorobenzene	5.62	146	552251	26.88	ug/ml	100
11) 1,4-Dichlorobenzene	5.73	146	559274	26.87	ug/ml	99
12) 1,2-Dichlorobenzene	6.14	146	541997	27.92	ug/ml	98
13) Benzyl Alcohol	6.12	108	346558	32.41	ug/ml	97
14) 2-Methylphenol	6.57	108	496472	31.06	ug/ml	98
15) bis(2-chloroisopropyl)ethe	6.43	45	1081038	28.05	ug/ml	100
16) 3+4-Methylphenol	6.91	108	532052	31.64	ug/ml	99
17) Hexachloroethane	6.81	117	229594	27.97	ug/ml	99
18) N-nitroso-di-n-propylamine	6.75	70	492267	31.16	ug/ml	99
21) Nitrobenzene	7.07	123	315331	30.12	ug/ml	94
22) Isophorone	7.60	82	1321778	34.82	ug/ml	99
23) 2-Nitrophenol	7.81	139	351442	30.32	ug/ml	100
24) 2,4-Dimethylphenol	8.08	107	493182	29.23	ug/ml	99
25) Bis(2-chloroethoxy)methane	8.18	93	684183	30.04	ug/ml	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042806-D\D47180SP.D Vial: 10
Acq On : 29 Apr 2006 4:25 am Operator:
Sample : 56384-1,MS Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 30 9:14 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Sun Apr 30 09:14:38 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
26) 2,4-Dichlorophenol	8.52	162	428195	31.84	ug/ml	99
27) Benzoic Acid	8.51	105	196581	19.83	ug/ml	96
28) 1,2,4-Trichlorobenzene	8.55	180	413941	29.86	ug/ml	98
29) Naphthalene	8.67	128	1469015	29.35	ug/ml	100
31) 4-Chloroaniline	8.94	127	724188	32.55	ug/ml	99
32) Hexachlorobutadiene	9.12	225	243770	28.63	ug/ml	98
33) 4-Chloro-3-methylphenol	10.36	107	470260	33.39	ug/ml	98
34) 2-Methylnaphthalene	10.34	141	936737	32.55	ug/ml	79
36) Hexachlorocyclopentadiene	10.89	237	187994	32.19	ug/ml	100
37) 2,4,6-Trichlorophenol	11.20	196	303944	33.93	ug/ml	98
38) 2,4,5-Trichlorophenol	11.45	196	328897	34.78	ug/ml	99
40) 2-Chloronaphthalene	11.52	162	864184	30.65	ug/ml	99
41) 2-Nitroaniline	11.95	138	449250	34.31	ug/ml	98
42) 2,6-Dinitrotoluene	12.65	165	282131	34.45	ug/ml	99
43) Dimethyl Phthalate	12.47	163	1114538	34.26	ug/ml	100
44) Acenaphthylene	12.54	152	1515475	33.50	ug/ml	99
45) 3-Nitroaniline	12.98	138	361820	35.33	ug/ml	96
46) Acenaphthene	13.00	154	836089	31.63	ug/ml	98
47) 2,4-dinitrophenol	13.24	184	134761	32.17	ug/ml	96
48) Dibenzofuran	13.38	168	1236990	33.07	ug/ml	100
49) 4-Nitrophenol	13.89	109	127443	33.46	ug/ml	94
50) 2,4-Dinitrotoluene	13.59	165	390755	37.50	ug/ml	96
52) Fluorene	14.22	166	1021563	34.57	ug/ml	100
53) Diethyl Phthalate	14.20	149	1257432	37.73	ug/ml	98
54) 4-Chlorophenyl phenyl eth	14.26	204	502947	34.29	ug/ml	99
55) 4-Nitroaniline	14.51	138	388345	40.82	ug/ml	96
56) 4,6-Dinitro-2-methylphenol	14.59	198	228601	35.43	ug/ml	97
57) n-nitrosodiphenylamine	14.61	169	765757	38.35	ug/ml	94
58) Azobenzene	14.65	77	1619079	34.07	ug/ml	93
59) Biphenyl	11.53	154	1134889	31.43	ug/ml	99
62) 4-bromophenyl phenyl ether	15.44	248	296342	31.95	ug/ml	100
63) Hexachlorobenzene	15.76	284	354943	34.14	ug/ml	97
64) Pentachlorophenol	16.30	266	160178	28.89	ug/ml	98
65) Phenanthrene	16.54	178	1369427	32.75	ug/ml	99
66) Anthracene	16.65	178	1432686	35.20	ug/ml	99
67) Carbazole	17.15	167	2714273	69.32	ug/ml	99
68) Di-n-butyl phthalate	18.15	149	2039742	35.68	ug/ml	100
69) Fluoranthene	19.44	202	1493411	35.09	ug/ml	99
70) Benzidine	19.87	184	1244641	119.87	ug/ml	96
72) Pyrene	19.97	202	1439798	33.09	ug/ml	100
74) Butyl benzyl phthalate	21.76	149	874317	35.55	ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042806-D\D47180SP.D Vial: 10
Acq On : 29 Apr 2006 4:25 am Operator:
Sample : 56384-1,MS Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 30 9:14 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Sun Apr 30 09:14:38 2006
Response via : Initial Calibration
DataAcq Meth : ABN

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
75)	Benzo[a]anthracene	22.90	228	1290541	33.89	ug/ml	99
76)	Chrysene	23.01	228	1214567	35.84	ug/ml	99
77)	3,3'-Dichlorobenzidine	22.97	252	1056268	80.30	ug/ml	99
78)	Bis (2-ethylhexyl) phthala	23.21	149	1229875	36.50	ug/ml	99
80)	di-n-octyl-phthalate	24.79	149	2002223	33.58	ug/ml	99
81)	Benzo[b] fluoranthene	25.76	252	1289232	33.06	ug/ml	99
82)	Benzo[k] fluoranthene	25.84	252	1234822	35.36	ug/ml	98
83)	Benzo[a] pyrene	26.74	252	1246346	36.22	ug/ml	100
84)	Indeno [1,2,3-cd] pyrene	30.80	276	1330302	40.60	ug/ml#	53
85)	Dibenz [a,h] anthracene	30.91	278	1284585	42.23	ug/ml	99
86)	Benzo(g,h,i) perylene	31.93	276	1306507	40.92	ug/ml	99

(#) = qualifier out of range (m) = manual integration

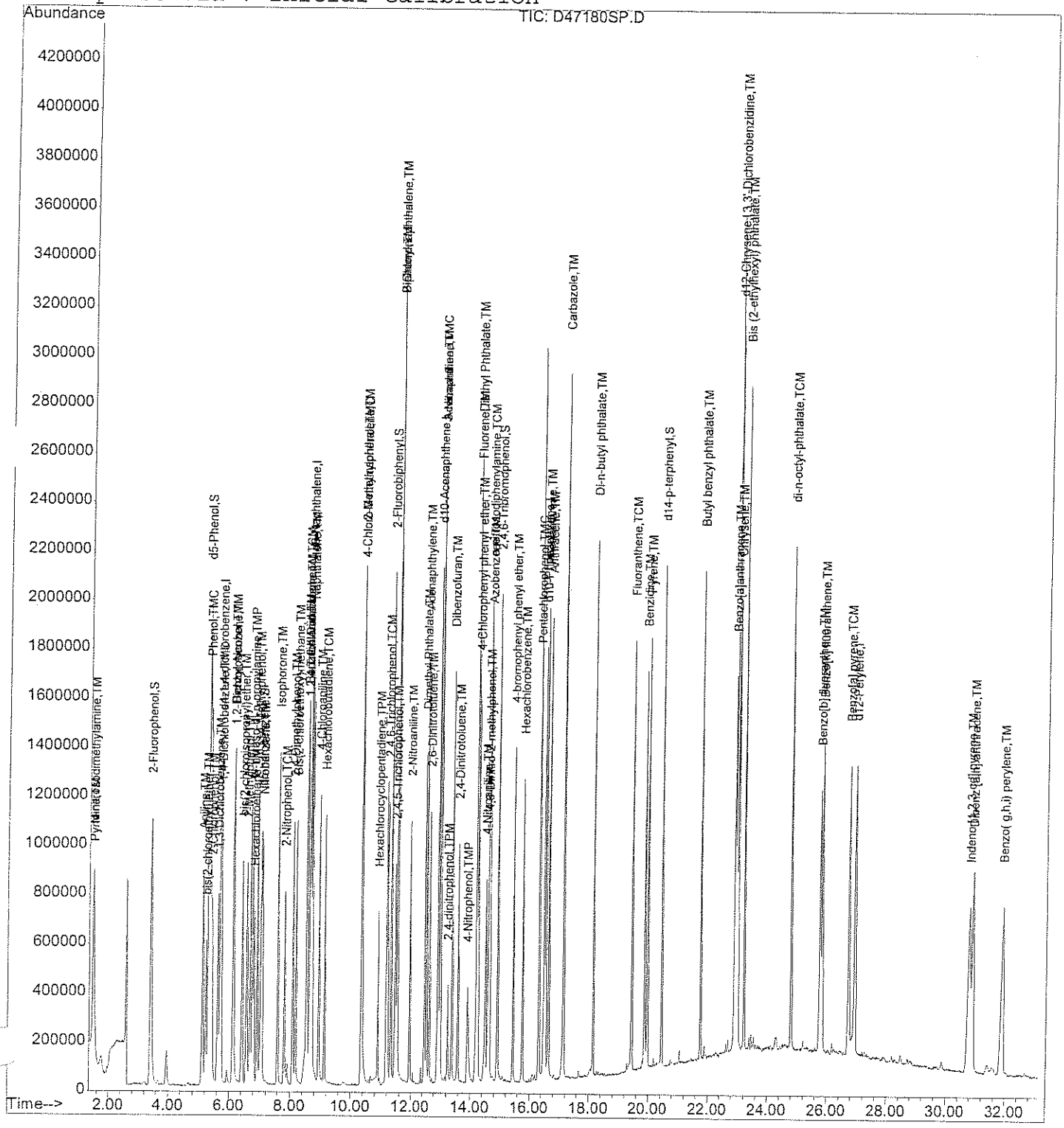
Quantitation Report

Data File : D:\HPCHEM\1\DATA\042806-D\D47180SP.D
Acq On : 29 Apr 2006 4:25 am
Sample : 56384-1,MS
Misc : SOIL
MS Integration Params: RTEINT.P
Quant Time: Apr 30 9:14 2006

Vial: 10
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: S04266.RES

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Fri Apr 28 23:15:57 2006
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042806-D\D47181SP.D Vial: 11
Acq On : 29 Apr 2006 4:58 am Operator:
Sample : 56384-1,MSD Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 30 9:14 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Sun Apr 30 09:14:38 2006
Response via : Initial Calibration
DataAcq Meth : ABN

5.1.06 4/30/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.70	152	543847	40.00	ug/ml	0.00
19) d8-Naphthalene	8.63	136	1984568	40.00	ug/ml	-0.01
35) d10-Acenaphthene	12.92	164	940192	40.00	ug/ml	-0.01
61) d10-Phenanthrene	16.49	188	1593512	40.00	ug/ml	-0.01
71) d12-Chrysene	22.95	240	1225502	40.00	ug/ml	0.00
79) d12-Perylene	26.95	264	1319246	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.41	112	1204748	64.05	ug/ml	-0.01
Spiked Amount 75.000	Range 29 - 97		Recovery = 85.40%			
5) d5-Phenol	5.29	99	1711716	71.24	ug/ml	-0.03
Spiked Amount 75.000	Range 40 - 120		Recovery = 94.99%			
20) d5-nitrobenzene	7.03	82	824982	36.58	ug/ml	0.00
Spiked Amount 50.000	Range 20 - 101		Recovery = 73.16%			
39) 2-Fluorobiphenyl	11.32	172	1249143	41.42	ug/ml	-0.01
Spiked Amount 50.000	Range 34 - 102		Recovery = 82.84%			
60) 2,4,6-Tribromophenol	14.91	330	507993	90.14	ug/ml	0.00
Spiked Amount 75.000	Range 36 - 141		Recovery = 120.19%			
73) d14-p-terphenyl	20.44	244	1125204	41.37	ug/ml	0.00
Spiked Amount 50.000	Range 38 - 108		Recovery = 82.74%			
Target Compounds						Qvalue
2) Pyridine	1.49	79	705667	22.22	ug/ml	100
3) N-nitrosodimethylamine	1.47	42	456133	24.32	ug/ml	99
6) Aniline	5.13	93	898201	31.87	ug/ml	100
7) Phenol	5.33	94	724855	29.17	ug/ml	88
8) 2-Chlorophenol	5.41	128	593191	29.93	ug/ml	99
9) bis(2-chloroethyl) ether	5.24	93	615986	29.12	ug/ml	98
10) 1,3-Dichlorobenzene	5.62	146	565829	26.99	ug/ml	99
11) 1,4-Dichlorobenzene	5.74	146	572349	26.95	ug/ml	99
12) 1,2-Dichlorobenzene	6.15	146	551451	27.84	ug/ml	98
13) Benzyl Alcohol	6.12	108	370028	33.91	ug/ml	99
14) 2-Methylphenol	6.57	108	516681	31.68	ug/ml	98
15) bis(2-chloroisopropyl)ethe	6.42	45	1100719	27.99	ug/ml	99
16) 3+4-Methylphenol	6.91	108	548837	31.99	ug/ml	99
17) Hexachloroethane	6.81	117	230456	27.51	ug/ml	97
18) N-nitroso-di-n-propylamine	6.76	70	521694	32.37	ug/ml	98
21) Nitrobenzene	7.07	123	317933	29.93	ug/ml	95
22) Isophorone	7.60	82	1373271	35.65	ug/ml	99
23) 2-Nitrophenol	7.82	139	368271	31.31	ug/ml	99
24) 2,4-Dimethylphenol	8.08	107	522745	30.53	ug/ml	100
25) Bis(2-chloroethoxy)methane	8.18	93	696081	30.12	ug/ml	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042806-D\D47181SP.D Vial: 11
Acq On : 29 Apr 2006 4:58 am Operator:
Sample : 56384-1,MSD Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 30 9:14 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Sun Apr 30 09:14:38 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 2,4-Dichlorophenol	8.52	162	434516	31.84 ug/ml	100
27) Benzoic Acid	8.51	105	185527	18.65 ug/ml	95
28) 1,2,4-Trichlorobenzene	8.55	180	429138	30.50 ug/ml	99
29) Naphthalene	8.68	128	1537244	30.26 ug/ml	99
31) 4-Chloroaniline	8.93	127	751544	33.29 ug/ml	99
32) Hexachlorobutadiene	9.12	225	255373	29.56 ug/ml	99
33) 4-Chloro-3-methylphenol	10.36	107	482830	33.79 ug/ml	97
34) 2-Methylnaphthalene	10.34	141	965312	33.05 ug/ml	78
36) Hexachlorocyclopentadiene	10.90	237	194732	32.50 ug/ml	99
37) 2,4,6-Trichlorophenol	11.20	196	321266	35.00 ug/ml	99
38) 2,4,5-Trichlorophenol	11.45	196	337831	34.86 ug/ml	98
40) 2-Chloronaphthalene	11.52	162	898156	31.09 ug/ml	99
41) 2-Nitroaniline	11.95	138	476685	35.53 ug/ml	98
42) 2,6-Dinitrotoluene	12.64	165	295429	35.20 ug/ml	100
43) Dimethyl Phthalate	12.47	163	1137169	34.11 ug/ml	99
44) Acenaphthylene	12.53	152	1571024	33.89 ug/ml	100
45) 3-Nitroaniline	12.98	138	378078	36.03 ug/ml	96
46) Acenaphthene	13.00	154	868912	32.08 ug/ml	98
47) 2,4-dinitrophenol	13.24	184	134761	31.51 ug/ml	97
48) Dibenzofuran	13.39	168	1276727	33.31 ug/ml	99
49) 4-Nitrophenol	13.89	109	128848	33.01 ug/ml	96
50) 2,4-Dinitrotoluene	13.59	165	396894	37.17 ug/ml	97
52) Fluorene	14.22	166	1040176	34.34 ug/ml	100
53) Diethyl Phthalate	14.20	149	1272625	37.26 ug/ml	99
54) 4-Chlorophenyl phenyl eth	14.26	204	526521	35.03 ug/ml	98
55) 4-Nitroaniline	14.51	138	408203	41.87 ug/ml	97
56) 4,6-Dinitro-2-methylphenol	14.58	198	224938	34.04 ug/ml	97
57) n-nitrosodiphenylamine	14.61	169	771314	37.69 ug/ml	95
58) Azobenzene	14.65	77	1671221	34.31 ug/ml	95
59) Biphenyl	11.52	154	1166625	31.52 ug/ml	99
62) 4-bromophenyl phenyl ether	15.44	248	307431	32.93 ug/ml	99
63) Hexachlorobenzene	15.76	284	371646	35.51 ug/ml	97
64) Pentachlorophenol	16.30	266	151640	27.37 ug/ml	97
65) Phenanthrene	16.54	178	1451798	34.49 ug/ml	99
66) Anthracene	16.65	178	1446442	35.30 ug/ml	99
67) Carbazole	17.15	167	2712716	68.82 ug/ml	100
68) Di-n-butyl phthalate	18.15	149	1921645	33.39 ug/ml	100
69) Fluoranthene	19.44	202	1484619	34.65 ug/ml	98
70) Benzidine	19.87	184	1189430	113.80 ug/ml	96
72) Pyrene	19.97	202	1464407	34.71 ug/ml	97
74) Butyl benzyl phthalate	21.76	149	814612	34.16 ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042806-D\D47181SP.D Vial: 11
Acq On : 29 Apr 2006 4:58 am Operator:
Sample : 56384-1,MSD Inst : D Instrum
Misc : SOIL Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 30 9:14 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Sun Apr 30 09:14:38 2006
Response via : Initial Calibration
DataAcq Meth : ABN

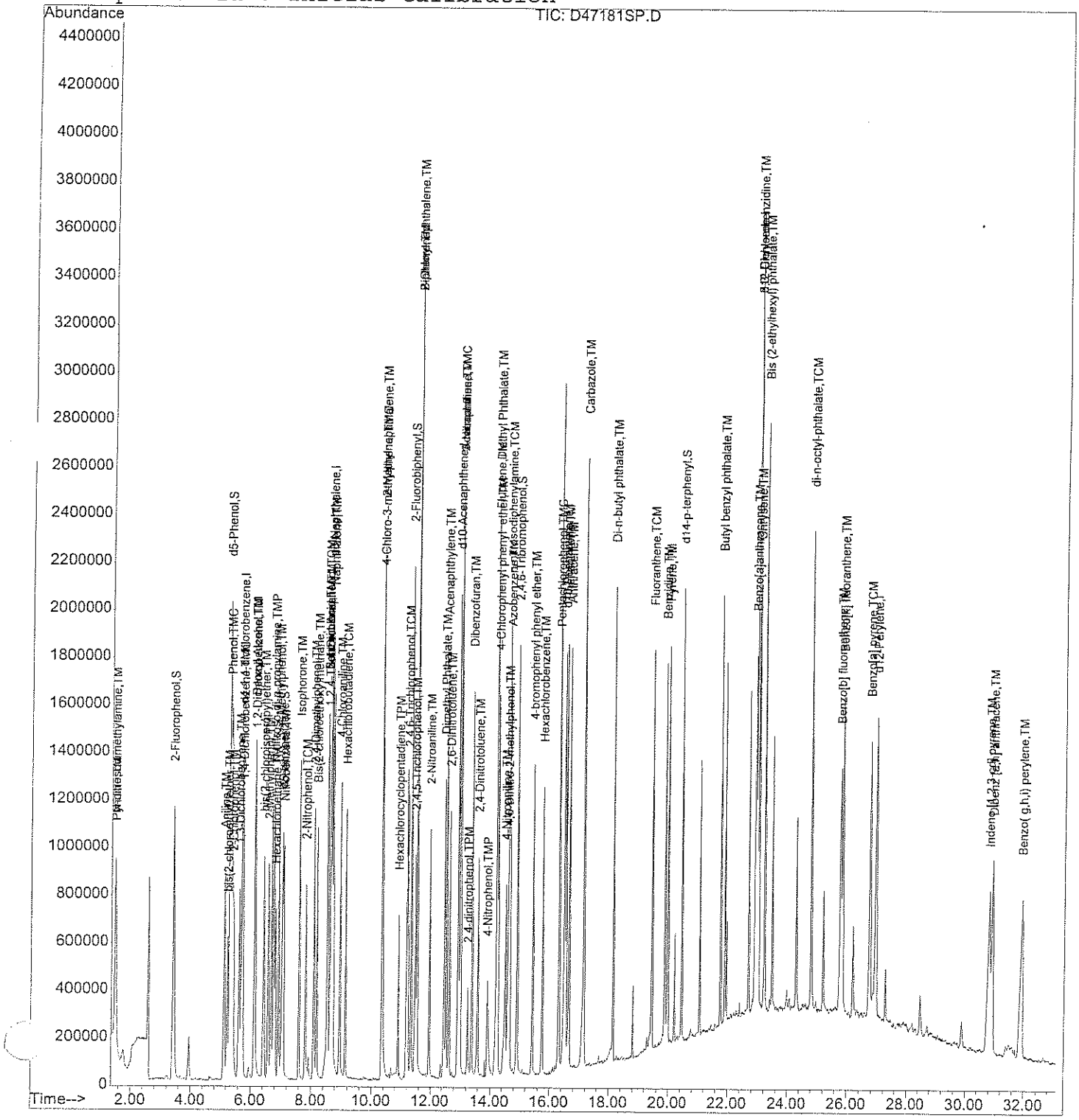
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
75) Benzo[a]anthracene	22.90	228	1301310	35.25	ug/ml	99
76) Chrysene	23.01	228	1164787	35.45	ug/ml	99
77) 3,3'-Dichlorobenzidine	22.97	252	1030437	80.80	ug/ml	99
78) Bis (2-ethylhexyl) phthala	23.21	149	1172704	35.89	ug/ml	99
80) di-n-octyl-phthalate	24.80	149	1916168	30.80	ug/ml	97
81) Benzo[b] fluoranthene	25.77	252	1304044	32.04	ug/ml	98
82) Benzo[k] fluoranthene	25.85	252	1260224	34.58	ug/ml	99
83) Benzo[a] pyrene	26.75	252	1302190	36.26	ug/ml	100
84) Indeno [1,2,3-cd] pyrene	30.81	276	1282116	37.49	ug/ml#	52
85) Dibenz [a,h] anthracene	30.93	278	1276656	40.22	ug/ml	99
86) Benzo(g,h,i) perylene	31.93	276	1249891	37.51	ug/ml	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042806-D\D47181SP.D Vial: 11
Acq On : 29 Apr 2006 4:58 am Operator:
Sample : 56384-1,MSD Inst : D Instrum
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 9:14 2006 Quant Results File: S04266.RES

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Fri Apr 28 23:15:57 2006
Response via : Initial Calibration



042606-D

Instrument D

IS only#: S6759 Exp: 10/24/06.

Tune File: ABN.M Date: 4/26/06 Loading Check: SC/DM

Voltage: 1800 Analyst: SC Unloading Check: SC

Vial	Meth File	Sample Info	Dil	Data File	Win ID	Comments
1	tunemix	S6618 tunemix 50ng	/	D47084T	✓	W-D-042606-1-SC
2	S041036	S6761 Pt3 20/40	/	85SC	Not okay.	change gold seal
1	tunemix	S6618 tunemix 50ng	/	86T	inst. flushed out	
1	↓	↓	/	87T	↓	
~~2~~	~~S041036~~		/	~~88SC~~		~~4/26/06 SC~~
1	tunemix	S6618 tunemix 50ng	/	88T	✓	
2	~~S041036~~ S041036	S6761 Pt3 20/40	/	89SC	Need to	Re-cal
2	S042606	S6745 Pt 1 2/4	/	90SE	✓	
3		S6744 Pt 2A 4/8	/	91SE	✓	
4		S6743 Pt 2 10/20	/	92SE	✓	
5	S6761	AUR 4/26/06 ~~S6767~~ Pt 3 20/40	/	93SE	✓	
6		S6741 Pt 4A 40/80	/	94SE	✓	
7		S6740 Pt 4 50/100	/	95SE	✓	
8	↓	S6739 Pt 5 100/200	/	96SE	✓	
~~9~~		~~S6776 ABN cc 20/40~~	/	97		
10		S6777 Benzidines/Anilines cc 20	/	98		
~~11~~		AUR 4/26/06				
1	tunemix	S6618 tunemix 50ng	/	97T	✓	W-D-042606-2-AUR
5	S042606	S6761 Pt3 20/40	/	98SC	✓	
9		S6776 ABN cc 20/40	/	99	✓	
10		S6777 Benzidines + Anilines cc 20	/	D47100	Benzidine 31%	
11		B042606AS-2	/	01	✓	
12		L042606AS-2	/	02	✓	
13		LD042606AS-2	/	03	✓	
14		56346-2	/	04	✓	
15		-5	/	05	✓	
16		-6	/	06	✓	
17		-4	/	07	✓	
18	↓	-7	/	08	✓	

Cont on 214/335

Instrument D 042806-D

S6743 10/28/06.
IS only#: S6759 Exp: 10/24/06

Tune File: ABW.U Date: 4/28/06 Loading Check: SL/ALR

Voltage: 1900 Analyst: ALR/SL Unloading Check: [signature]

Vial	Meth File	Sample Info	Dil	Data File	Win ID	Comments
1	tunemix	S6618 tunemix 50ng	/	D47154T	W-D-042806-1-SL	
2	S042606	S6761 PT3 20/40	/	55SL	✓	
3		B04256AS	/	56B	✓	
4		56329-1,, 1:25 PAHs	25	57	✓ 40µL + 960µL MeCl2	
5		↓ -6,, 1:10	10	58	✓ 100µL + 900µL	
6		56330-8,, 1:10	10	59	✓ ↓ + ↓	
7		-9,, 1:2	2	60	✓ 500µL + 500µL	
8		-10,, 1:2	2	61	✓ ↓ + ↓	
9		-11,, 1:10	10	62	✓ 100µL + 900µL	
10		-12,, 1:2	2	63	✓ 500µL + 500µL	
11		-13,, 1:2	2	64	✓ ↓ +	
12		-14,, 1:2	2	65	✓ ↓ + ↓	
13		-15,, 1:10	10	66	✓ 100µL + 900µL	
14		-16,, 1:10	10	67	↓ +	RR 1:2
15		-17,, 1:10	10	68	↓ +	RR 1:2
16		-18,, 1:2	2	69	✓ 500µL + 500µL	
17	↓	-19,, 1:2 ↓	2	70	✓ ↓ + ↓	
1	tunemix	S6618 tunemix 50ng	/	71T	W-D-042806-2-ALR	
2	S042606	S6761 PT3 20/40	/	72SL	✓	
3		B04256AS2	/	73B	✓	
4		L04256AS2	/	74Q	✓	
5		U04256AS2	/	75Q	✓	
6		B04286AS	/	76B	✓	
7		L04286AS	/	77Q	✓	
8		U04286AS	/	78Q	✓	
9		56384-1 PAHs	/	79	✓	
10		-1,MS	/	80SP	✓	
11		-1,MSD	/	81SP	✓	
12	↓	-2 ↓	/	82	✓	

Cont Dig 41n

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Instrument D Cont. 042806-D

IS only#: 56793 Exp: 10/28/06

Tune File: ABN.u Date: 4/28/06 Loading Check: AR

Voltage: 1850 Analyst: AR Unloading Check: [illegible]

Vial	Meth File	Sample Info	Dil	Data File	Win ID	Comments
13	5042606	56384-3 PAHS	2	D47183	500µl + 500µl MeCl2	
14		56330-16	2	84	1 +	456:40
15		-17	2	85	1 +	
16		-20	5	86	200µl + 800µl	
17		-21	2	87	500µl + 500µl	
18		-22	5	88	200µl + 800µl	1:50
19		-23	10	89	100µl + 900µl	1:50
20	↓	-24 ↓	2	90	500µl + 500µl	

[illegible] 4/28/06

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analytics environmental laboratory LLC

SEMI-VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Project #: Quote #: NA SDG#: 56384

DFTPP File ID: D47088T.D Site ID: Subbase New London Site 7 Location: CT

Instrument ID: D DFTPP Injection Date: 4/26/06

GC Column: RTX-5MS ID: 0.25(mm) DFTPP Injection Time: 1134

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
51	30 - 60% of mass 198	54.8
68	Less than 2% of mass 69	0.0 (0.0)1
69	Less than 100% of mass 1	77.3
70	Less than 2% of mass 69	0.7 (0.7)1
127	40 - 60% of mass 198	50.2
197	Less than 1% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5 - 9% of mass 198	7.1
275	10 - 30% of mass 198	19.4
365	1 - 100% of mass 198	2.0
441	.01 - 100% of mass 443	13.4 (82.0)2
442	40 - 100% of mass 198	69.2
443	17 - 23% of mass 442	16.4 (18.3)3

1-Value is % mass 69 2-Value is % mass 443-Value is % mass 442

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	S6761 PT3 20/40	S6761 PT3 20/40	D47089SC.D	4/26/06	11:53
02	S6745 PT1 2/4	S6745 PT1 2/4	D47090SI.D	4/26/06	12:34
03	S6744 PT2A 4/8	S6744 PT2A 4/8	D47091SI.D	4/26/06	13:07
04	S6743 PT2 10/20	S6743 PT2 10/20	D47092SI.D	4/26/06	13:40
05	S6761 PT3 20/40	S6761 PT3 20/40	D47093SI.D	4/26/06	14:13
06	S6741 PT4A 40/80	S6741 PT4A 40/80	D47094SI.D	4/26/06	15:20
07	S6740 PT4 50/100	S6740 PT4 50/100	D47095SI.D	4/26/06	15:53
08	S6740 PT5 100/200	S6740 PT5 100/200	D47096SI.D	4/26/06	16:26
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					

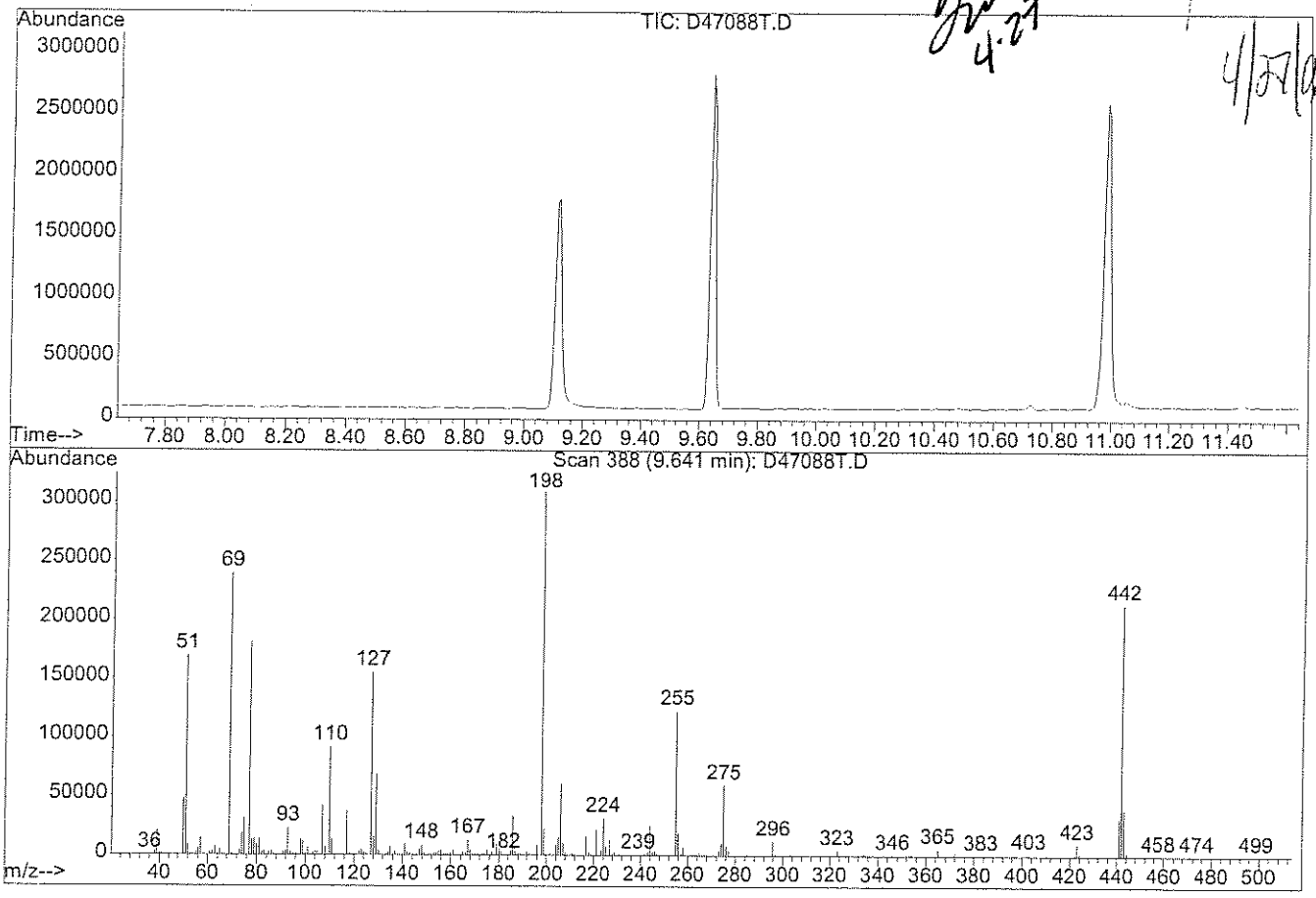
DFTPP

Data File : D:\HPCHEM\1\DATA\042606-D\D47088T.D
Acq On : 26 Apr 2006 11:34 am
Sample : S6618 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX

Vial: 1
Operator:
Inst : D Instrum
Multiplr: 1.00

4-27-06

4/27/06



Spectrum Information: Scan 388

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	54.8	169728	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	77.3	239552	PASS
70	69	0.00	2	0.7	1699	PASS
127	198	40	60	50.2	155648	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	309952	PASS
199	198	5	9	7.1	22104	PASS
275	198	10	30	19.4	60056	PASS
365	198	1	100	2.0	6169	PASS
441	443	0.01	100	82.0	32184	PASS
442	198	40	100	69.2	214400	PASS
443	442	17	23	18.3	39232	PASS

D47088T.D TUNEMIX.M Wed Apr 26 11:20:24 2006

SEMI-VOLATILE
TUNE MIX CHECK

4/27/06

Sample Name **S6618 TUNEMIX 50NG**
Data File Name **D47088T.D**
Date Acquired **4/26/2006 11:34**

Name	Target Response
PENTACHLOROPHENOL	342537.00
BENZIDINE	1537292.00
DDE	132.00
DDD	7780
DDT	753630

4-27-06

(0% - 20%)

%DDT BREAKDOWN = 1.04% ✓ **OK**

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47088T.D Vial: 1
Acq On : 26 Apr 2006 11:34 am Operator:
Sample : S6618 TUNEMIX 50NG Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 26 11:20 2006 Quant Results File: TUNEMIX.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX
Last Update : Fri Apr 21 21:21:23 2006
Response via : Initial Calibration
DataAcq Meth : TUNE

4-27-06

4/27/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
1) PENTACHLOROPHENOL	9.12	266	342537	29.03	UG/L	100
2) DFTPP	9.64	198	382298	17.41	ug/ml	100
3) BENZIDINE	10.99	184	1537292	27.83	UG/L	100
4) DDE	11.27	246	132	1.71	UG/L	100
5) DDD	11.66	235	7780	15.09	UG/L	100
6) DDT	12.04	235	753630	28.42	UG/L	100

(#) = qualifier out of range (m) = manual integration
D47088T.D TUNEMIX.M Wed Apr 26 11:20:29 2006 Page 1

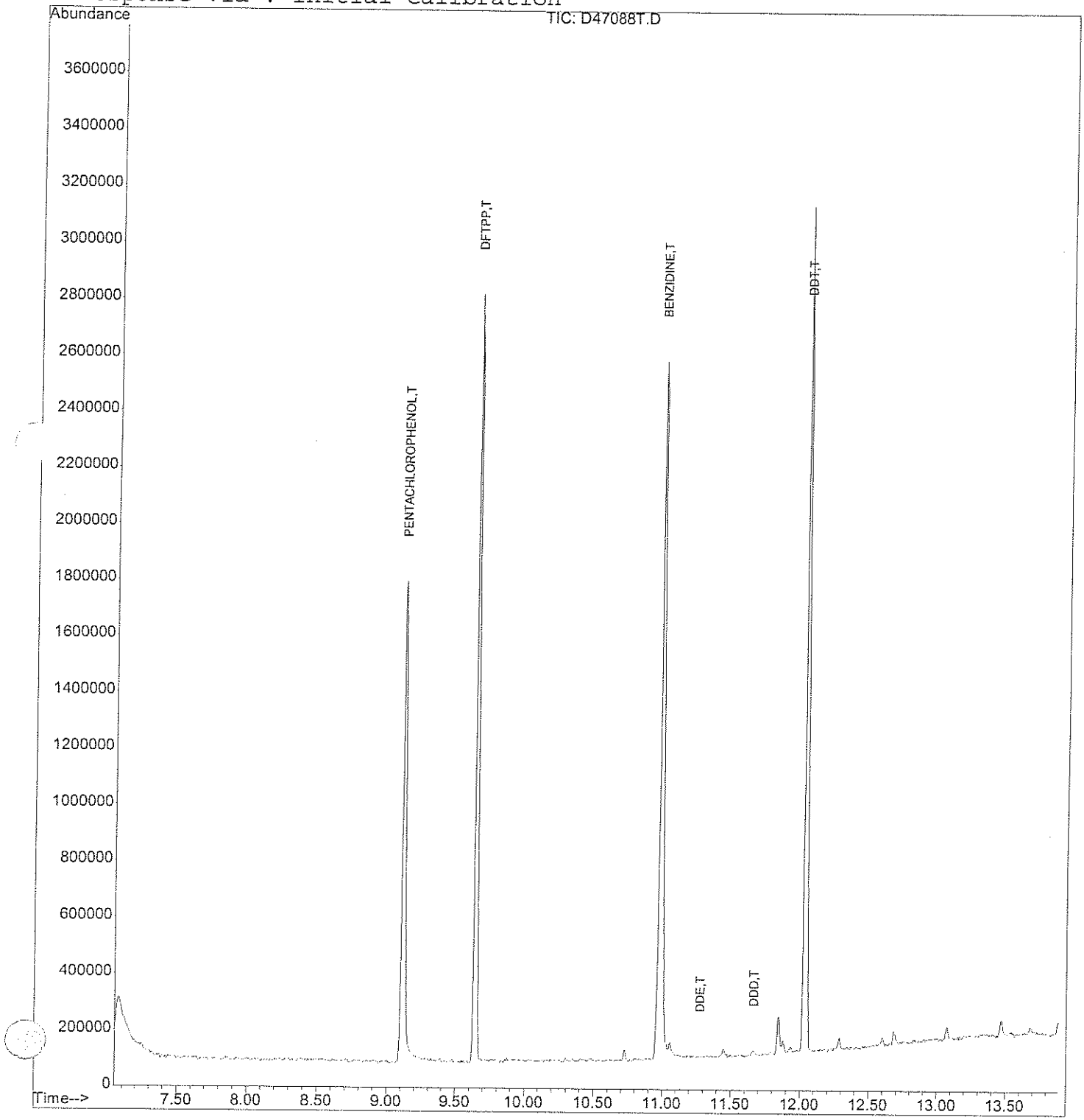
Quantitation Report

Data File : D:\HPCHEM\1\DATA\042606-D\D47088T.D
Acq On : 26 Apr 2006 11:34 am
Sample : S6618 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Apr 26 11:20 2006

Vial: 1
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: TUNEMIX.RES

Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX
Last Update : Fri Apr 21 21:21:23 2006
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47088T.D
Acq On : 26 Apr 2006 11:34 am
Sample : S6618 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Apr 26 11:20 2006

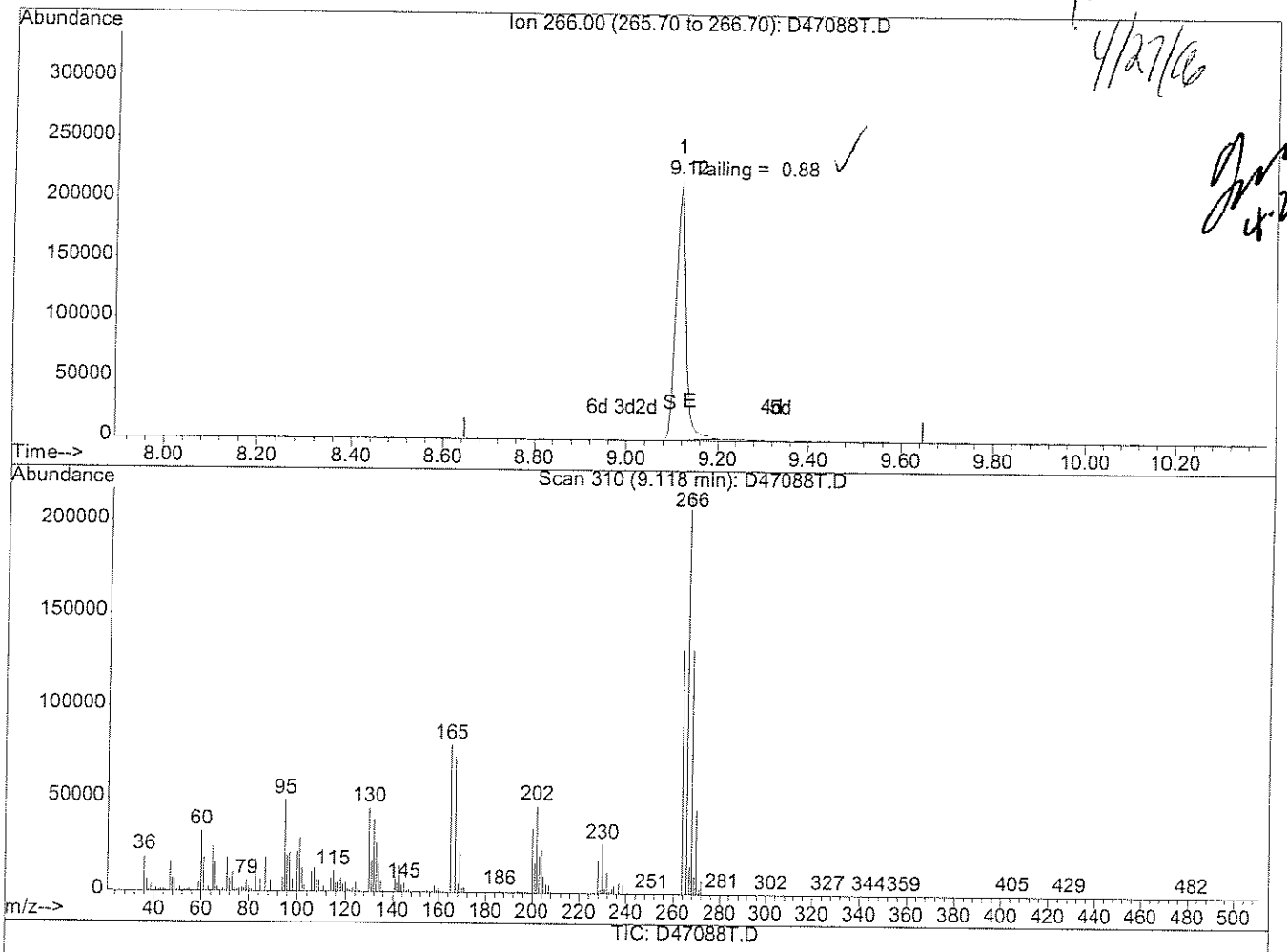
Vial: 1
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX
Last Update : Fri Apr 21 21:21:23 2006
Response via : Single Level Calibration

4/27/06

4-27-06



(1) PENTACHLOROPHENOL (T)

9.12min 29.03UG/L

response 342537

Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47088T.D
Acq On : 26 Apr 2006 11:34 am
Sample : S6618 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Apr 26 11:20 2006

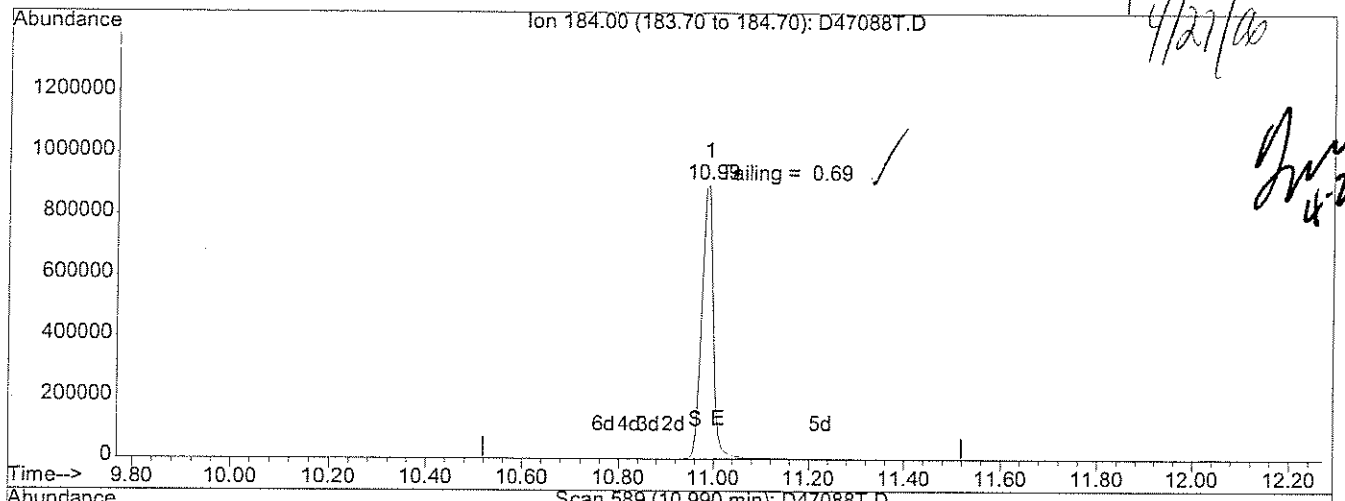
Vial: 1
Operator:
Inst : D Instrum
Multiplr: 1.00

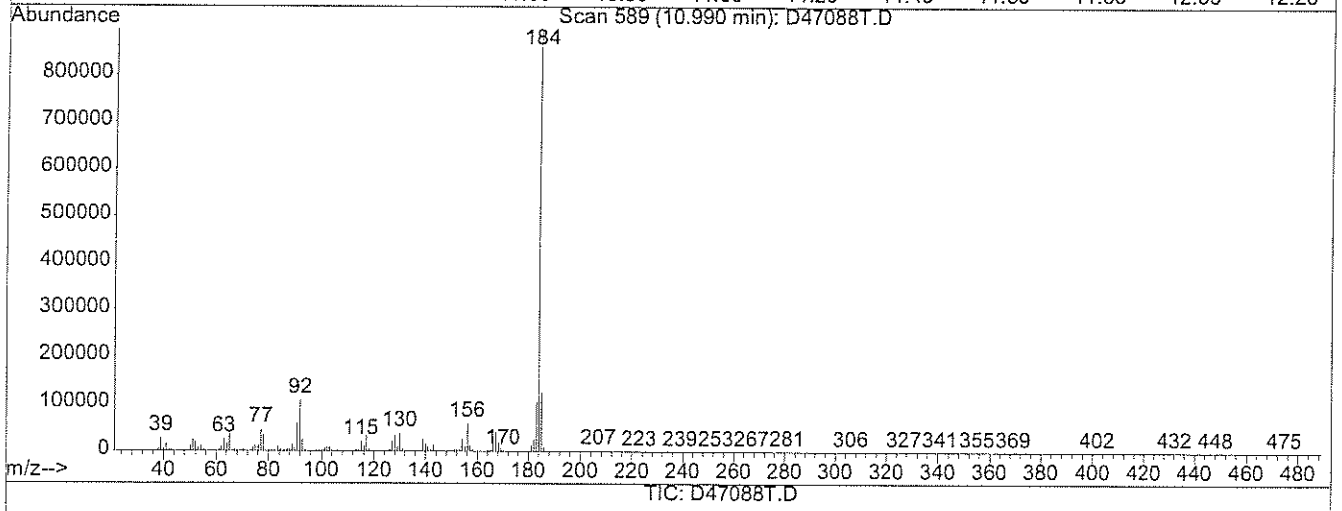
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX
Last Update : Fri Apr 21 21:21:23 2006
Response via : Single Level Calibration

4/27/06

4-27-06





TIC: D47088T.D

(3) BENZIDINE (T)

10.99min 27.83UG/L

response 1537292

Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

analytics environmental laboratory LLC

SEMI-VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Project #: | Quote #: NA | SDG#: 56384

DFTPP File ID: D47171T.I | Site ID: Subbase New London Site 7 | Location: CT

Instrument ID: D | DFTPP Injection Date: 4/28/06

GC Column: RTX-5MS | ID: 0.25(mm) | DFTPP Injection Time: 2257

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
51	30 - 60% of mass 198	55..6
68	Less than 2% of mass 69	0.0 (0.0)1
69	Less than 100% of mass 198	77.3
70	Less than 2% of mass 69	0.0 (0.0)1
127	40 - 60% of mass 198	51.2
197	Less than 1% of mass 19	0.0
198	Base peak, 100% relative abundance	100.0
199	5 - 9% of mass 198	6.7
275	10 - 30% of mass 198	19.0
365	1 - 100% of mass 198	2.0
441	.01 - 100% of mass 443	11.9 (80.5)2
442	40 - 100% of mass 198	75.5
443	17 - 23% of mass 442	14.8 (19.6)3

1-Value is % mass 4 2-Value is % mass 443-Value is % mass 442

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	S6761 PT3 20/40	S6761 PT3 20/40	D47172SC.D	4/28/06	23:20
02	ZZZZZ	ZZZZZ	D47173B.D	4/28/06	23:55
03	ZZZZZ	ZZZZZ	D47174Q.D	4/29/06	0:31
04	ZZZZZ	ZZZZZ	D47175Q.D	4/29/06	1:13
05	B04286AS	B04286AS	D47176B.D	4/29/06	1:46
06	L04286AS	L04286AS	D47177Q.D	4/29/06	2:18
07	LD04286AS	LD04286AS	D47178Q.D	4/29/06	2:51
08	56384-1	56384-1	D47179.D	4/29/06	3:18
09	56384-1,MS	56384-1,MS	D47180SP.D	4/29/06	4:25
10	56384-1,MSD	56384-1,MSD	D47181SP.D	4/29/06	4:58
11	56384-2	56384-2	D47182.D	4/29/06	5:31
12	56384-3,,1:2	56384-3,,1:2	D47183.D	4/29/06	6:04
13	ZZZZZ	ZZZZZ	D47184.D	4/29/06	6:37
14	ZZZZZ	ZZZZZ	D47185.D	4/29/06	7:10
15	ZZZZZ	ZZZZZ	D47186.D	4/29/06	7:43
16	ZZZZZ	ZZZZZ	D47187.D	4/29/06	8:49
17	ZZZZZ	ZZZZZ	D47188.D	4/29/06	9:22
18	ZZZZZ	ZZZZZ	D47189.D	4/29/06	9:55
19	ZZZZZ	ZZZZZ	D47190.D	4/29/06	10:28
20					
21					
22					
23					

DFTPP

Data File : D:\HPCHEM\1\DATA\042806-D\D47171T.D
Acq On : 28 Apr 2006 10:57 pm
Sample : S6618 TUNEMIX 50NG
Misc :
Integration Params: rteint.p

Vial: 1
Operator:
Inst : D Instrum
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX

AutoFind: Scans 377, 378, 379; Background Corrected with Scan 368

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	55.6	135298	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	77.3	187990	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	51.2	124691	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	243349	PASS
199	198	5	9	6.7	16369	PASS
275	198	10	30	19.0	46229	PASS
365	198	1	100	2.0	4896	PASS
441	443	0.01	100	80.5	29042	PASS
442	198	40	100	75.5	183739	PASS
443	442	17	23	19.6	36093	PASS

7171T.D TUNEMIX.M Fri Apr 28 23:41:26 2006

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S6618 TUNEMIX 50NG**
Data File Name **D47171T.D**
Date Acquired **4/28/2006 10:57**

Name	Target Response
PENTACHLOROPHENOL	323322.00
BENZIDINE	1484926.00
DDE	430.00
DDD	12375
DDT	723209

%DDT BREAKDOWN = 1.74% ✓ **(0% - 20%)** **OK**

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042806-D\D47171T.D Vial: 1
Acq On : 28 Apr 2006 10:57 pm Operator:
Sample : S6618 TUNEMIX 50NG Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Apr 28 23:41 2006 Quant Results File: TUNEMIX.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX
Last Update : Fri Apr 28 23:41:17 2006
Response via : Initial Calibration
DataAcq Meth : TUNE

5.1.06 4/30/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
1) PENTACHLOROPHENOL	9.04	266	323322	27.40	UG/L	100
2) DFTPP	9.57	198	363051	16.53	ug/ml	100
3) BENZIDINE	10.91	184	1484926	26.88	UG/L	100
4) DDE	11.16	246	430	5.58	UG/L	100
5) DDD	11.60	235	12375	24.00	UG/L	100
6) DDT	11.96	235	723209	27.27	UG/L	100

(#) = qualifier out of range (m) = manual integration
D47171T.D TUNEMIX.M Fri Apr 28 23:42:02 2006 Page 1

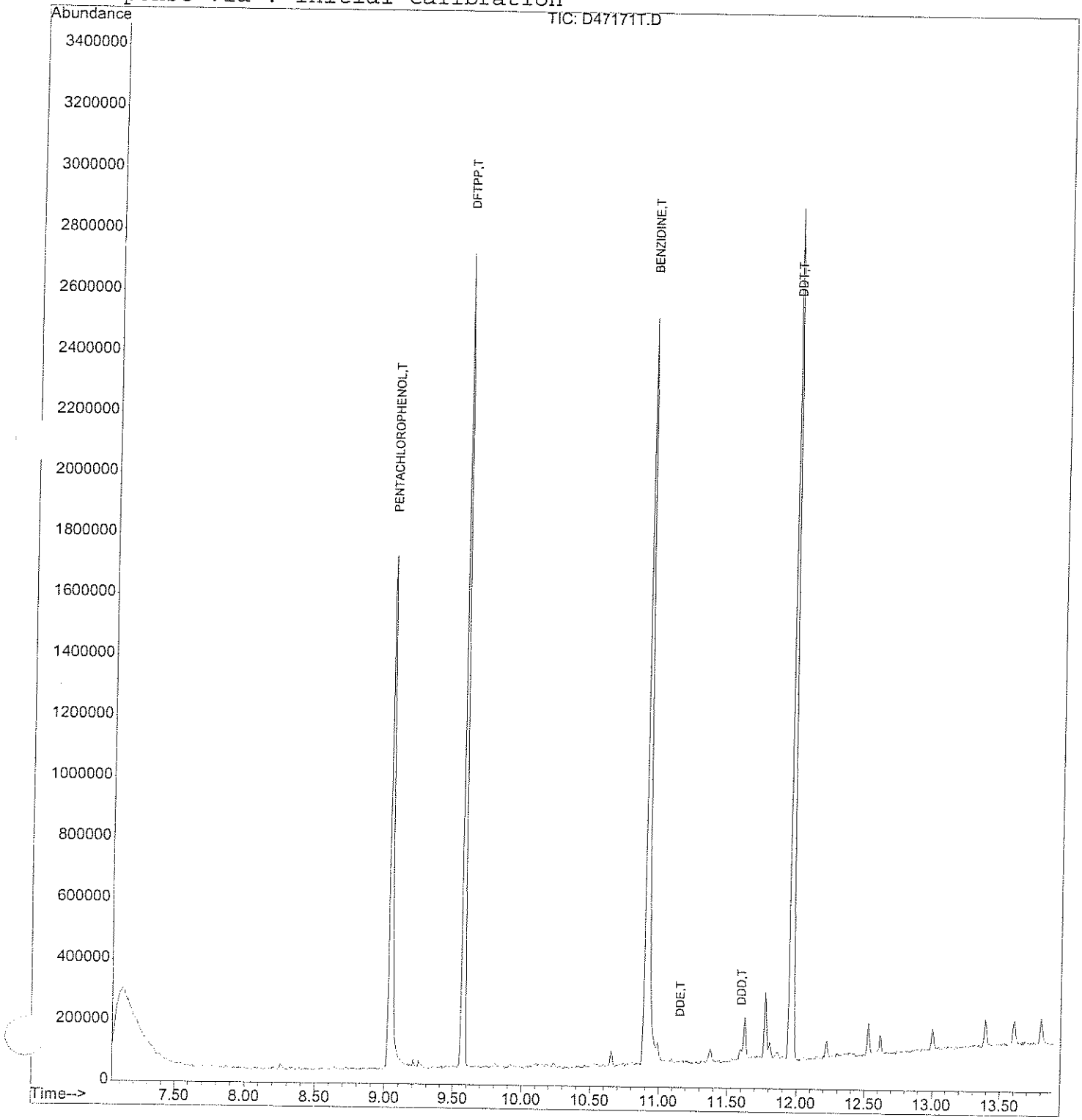
Quantitation Report

Data File : D:\HPCHEM\1\DATA\042806-D\D47171T.D
Acq On : 28 Apr 2006 10:57 pm
Sample : S6618 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Apr 28 23:41 2006

Vial: 1
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: TUNEMIX.RES

Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX
Last Update : Fri Apr 28 23:41:17 2006
Response via : Initial Calibration



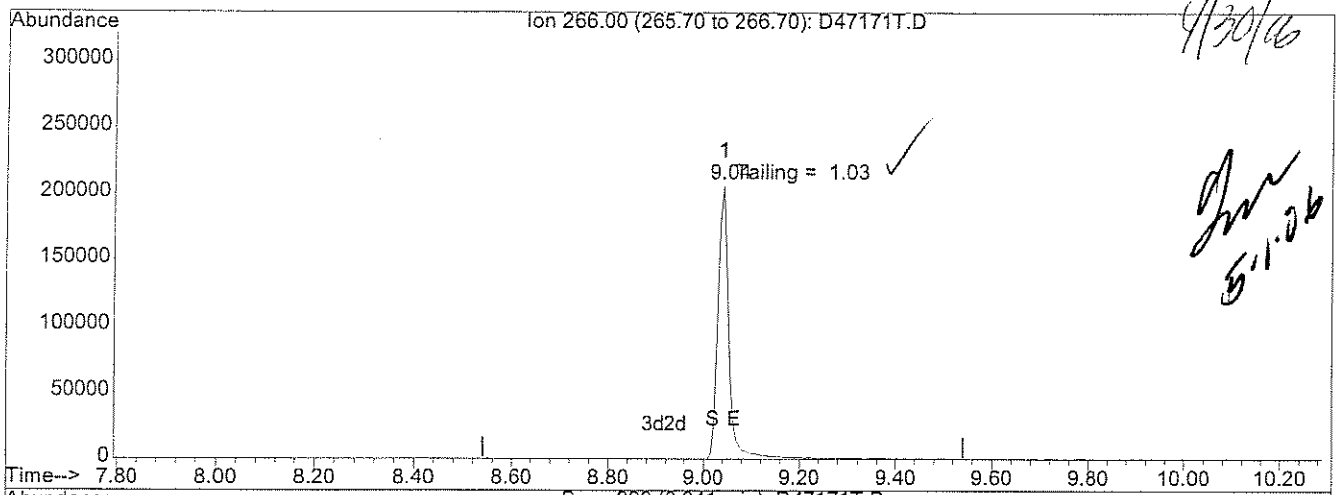
Quantitation Report (Qedit)

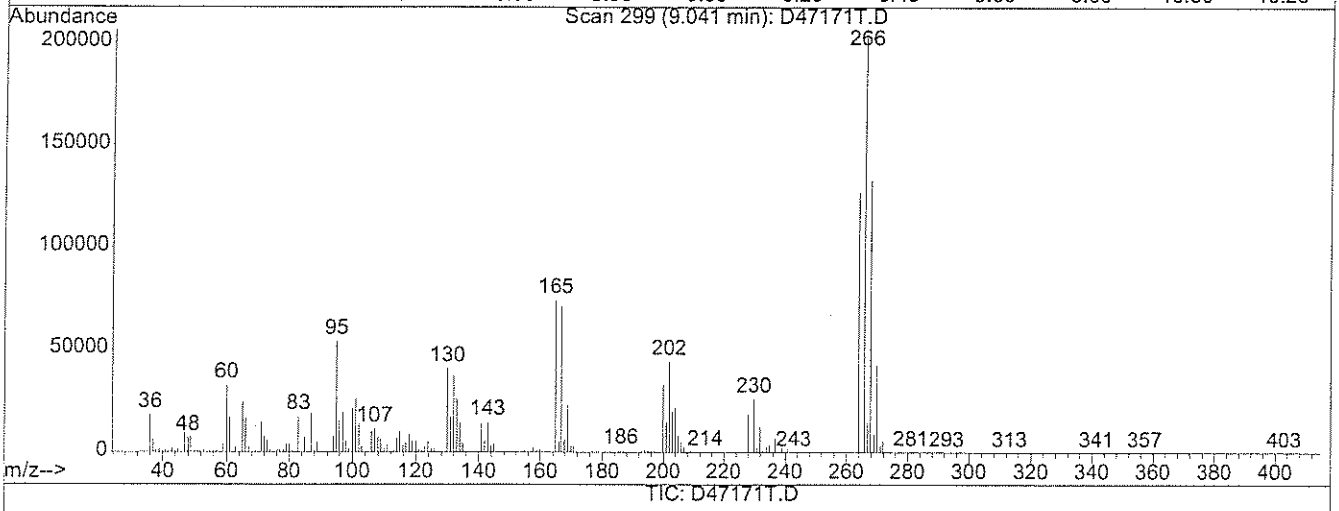
Data File : D:\HPCHEM\1\DATA\042806-D\D47171T.D Vial: 1
Acq On : 28 Apr 2006 10:57 pm Operator:
Sample : S6618 TUNEMIX 50NG Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 28 23:41 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX
Last Update : Fri Apr 28 23:41:17 2006
Response via : Single Level Calibration

4/30/06

5.1.06





TIC: D47171T.D

(1) PENTACHLOROPHENOL (T)

9.04min 27.40UG/L

response 323322

Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

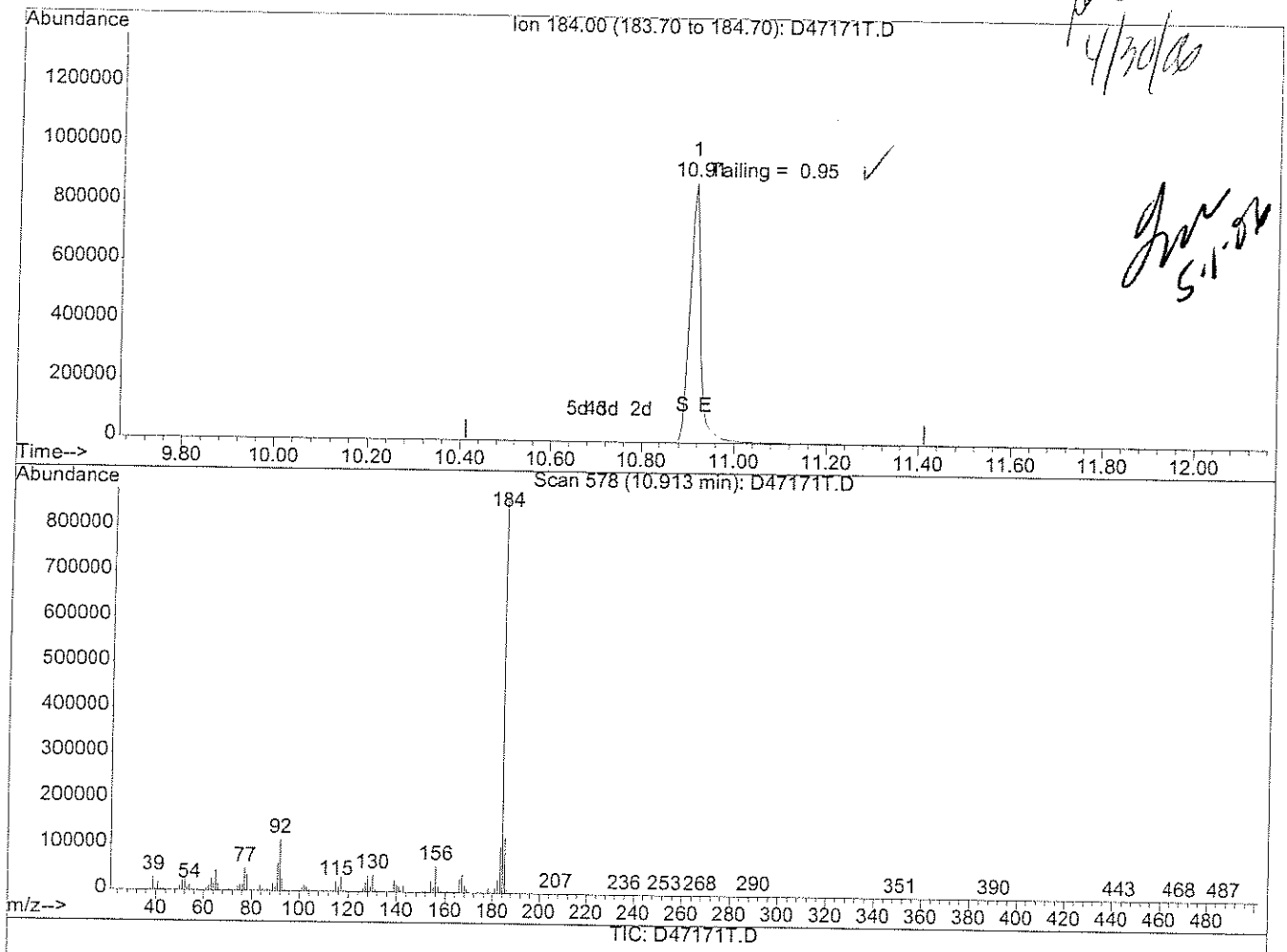
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042806-D\D47171T.D
Acq On : 28 Apr 2006 10:57 pm
Sample : S6618 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Apr 28 23:41 2006

Vial: 1
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNEMIX.M (RTE Integrator)
Title : TUNEMIX
Last Update : Fri Apr 28 23:41:17 2006
Response via : Single Level Calibration



(3) BENZIDINE (T)

10.91min 26.88UG/L

response 1484926

Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Response Factor Report D Instrum

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:49:30 2006
Response via : Initial Calibration

4/27/06

Calibration Files
1 =D47090SI.D 2 =D47092SI.D 3 =D47093SI.D
4 =D47095SI.D 5 =D47096SI.D 2A =D47091SI.D

		Compound	1	2	3	4	5	2A	Avg	%RSD
1)	I	d4-1,4-dichlorobenzen	ISTD							
2)	TM	Pyridine	2.169	2.810	2.332	2.319	2.276	2.087	2.335	9.86
3)	TM	N-nitrosodimethylam	1.381	1.373	1.423	1.314	1.327	1.482	1.379	4.18
4)	S	2-Fluorophenol	1.358	1.383	1.439	1.351	1.371	1.352	1.383	2.68
5)	S	d5-Phenol	1.829	1.787	1.874	1.712	1.650	1.760	1.767	4.18
6)	TM	Aniline	2.199	2.191	1.970	1.993	1.861	2.246	2.073	6.87
7)	TMC	Phenol	1.913	1.868	1.920	1.764	1.746	1.789	1.828	3.92
8)	TM	2-Chlorophenol	1.483	1.457	1.516	1.393	1.412	1.471	1.458	2.89
9)	TM	bis(2-chloroethyl)	1.705	1.573	1.623	1.447	1.544	1.480	1.556	5.64
10)	TM	1,3-Dichlorobenzene	1.620	1.500	1.599	1.499	1.500	1.506	1.542	3.44
11)	TMC	1,4-Dichlorobenzene	1.568	1.555	1.599	1.524	1.514	1.585	1.562	2.11
12)	TM	1,2-Dichlorobenzene	1.391	1.443	1.521	1.429	1.445	1.504	1.457	3.06
13)	TM	Benzyl Alcohol	0.608	0.783	0.862	0.838	0.920	0.733	0.803	13.16
14)	TM	2-Methylphenol	1.143	1.210	1.240	1.185	1.167	1.251	1.200	3.20
15)	TM	bis(2-chloroisoprop	2.950	2.946	3.030	2.791	2.810	2.866	2.893	2.96
16)	TM	3+4-Methylphenol	1.307	1.270	1.324	1.239	1.180	1.246	1.262	3.74
)	TM	Hexachloroethane	0.628	0.617	0.636	0.592	0.597	0.628	0.616	2.67
18)	TMP	N-nitroso-di-n-prop	1.219	1.206	1.212	1.151	1.157	1.182	1.186	2.30
19)	I	d8-Naphthalene	ISTD							
20)	S	d5-nitrobenzene	0.454	0.474	0.460	0.448	0.432	0.462	0.455	2.85
21)	TM	Nitrobenzene	0.217	0.219	0.219	0.211	0.209	0.210	0.214	2.00
22)	TM	Isophorone	0.769	0.813	0.792	0.769	0.753	0.781	0.776	2.71
23)	TCM	2-Nitrophenol	0.218	0.251	0.239	0.244	0.234	0.236	0.237	4.28
24)	TM	2,4-Dimethylphenol	0.349	0.361	0.346	0.338	0.324	0.357	0.345	3.62
25)	TM	Bis(2-chloroethoxy)	0.466	0.500	0.474	0.458	0.438	0.479	0.466	4.54
26)	TCM	2,4-Dichlorophenol	0.264	0.280	0.288	0.278	0.266	0.273	0.275	3.00
27)	TM	Benzoic Acid	0.137	0.194	0.221	0.238	0.250	0.138	0.202	23.38
28)	TM	1,2,4-Trichlorobenz	0.272	0.292	0.287	0.281	0.279	0.292	0.284	2.54
29)	TM	Naphthalene	1.029	1.066	1.052	0.982	1.002	1.044	1.024	3.16
30)	T	2,6-Dichlorophenol	0.260	0.285	0.273	0.273	0.264	0.287	0.273	3.61
31)	TM	4-Chloroaniline	0.463	0.477	0.454	0.457	0.425	0.470	0.455	3.96
32)	TCM	Hexachlorobutadiene	0.161	0.177	0.182	0.173	0.167	0.187	0.174	4.99
33)	TMC	4-Chloro-3-methylph	0.273	0.306	0.291	0.290	0.275	0.293	0.288	3.88
34)	TM	2-Methylnaphthalene	0.564	0.559	0.635	0.605	0.582	0.562	0.589	5.04
35)	I	d10-Acenaphthene	ISTD							
36)	TPM	Hexachlorocyclopent	0.092	0.176	0.225	0.266	0.278	0.119	0.203	36.99
37)	TCM	2,4,6-Trichlorophen	0.392	0.393	0.401	0.385	0.377	0.389	0.391	1.94
38)	TM	2,4,5-Trichlorophen	0.404	0.402	0.425	0.407	0.415	0.414	0.412	2.07
39)	S	2-Fluorobiphenyl	1.330	1.324	1.319	1.225	1.165	1.351	1.283	5.25
)	TM	2-Chloronaphthalene	1.265	1.235	1.264	1.190	1.124	1.299	1.229	4.69
)	TM	2-Nitroaniline	0.533	0.582	0.590	0.570	0.572	0.574	0.571	3.14

(#) = Out of Range ### Number of calibration levels exceeded format ###

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:49:30 2006
Response via : Initial Calibration

Calibration Files
1 =D47090SI.D 2 =D47092SI.D 3 =D47093SI.D
4 =D47095SI.D 5 =D47096SI.D 2A =D47091SI.D

		Compound	1	2	3	4	5	2A	Avg	%RSD
42)	TM	2,6-Dinitrotoluene	0.347	0.356	0.373	0.361	0.356	0.345	0.357	2.66
43)	TM	Dimethyl Phthalate	1.506	1.432	1.460	1.387	1.255	1.479	1.419	5.83
44)	TM	Acenaphthylene	2.035	1.988	2.039	1.934	1.813	2.052	1.972	4.27
45)	TM	3-Nitroaniline	0.438	0.456	0.462	0.440	0.444	0.435	0.446	2.25
46)	TMC	Acenaphthene	1.174	1.146	1.158	1.085	1.237	1.141	1.152	4.04
47)	TPM	2,4-dinitrophenol	0.065	0.143	0.183	0.217	0.239	0.092	0.164	40.33
48)	TM	Dibenzofuran	1.705	1.650	1.679	1.574	1.466	1.714	1.631	5.35
49)	TMP	4-Nitrophenol	0.145	0.151	0.184	0.181	0.175	0.147	0.166	10.52
50)	TM	2,4-Dinitrotoluene	0.417	0.472	0.479	0.455	0.463	0.428	0.454	5.14
51)	T	2,3,4,6-Tetrachloro	0.266	0.305	0.313	0.317	0.312	0.271	0.300	7.50
52)	TM	Fluorene	1.329	1.318	1.336	1.236	1.224	1.301	1.289	3.47
53)	TM	Diethyl Phthalate	1.572	1.509	1.582	1.446	1.039	1.549	1.453	13.04
54)	TM	4-Chlorophenyl phen	0.664	0.645	0.648	0.629	0.588	0.667	0.640	4.18
55)	TM	4-Nitroaniline	0.413	0.448	0.457	0.390	0.337	0.445	0.415	10.04
56)	TM	4,6-Dinitro-2-methy	0.179	0.255	0.285	0.262	0.213	0.212	0.240	16.03
57)	TCM	n-nitrosodiphenylam	0.867	0.883	0.872	0.853	0.833	0.919	0.871	3.06
58)	TM	Azobenzene	2.068	2.017	2.000	2.009	2.316	2.059	2.072	5.33
)	TM	Biphenyl	1.693	1.608	1.628	1.494	1.427	1.630	1.574	5.83
60)	S	2,4,6-Tribromopheno	0.230	0.239	0.247	0.233	0.243	0.239	0.240	2.76
61)	I	d10-Phenanthrene	----------ISTD----------							
62)	TM	4-bromophenyl pheny	0.244	0.235	0.240	0.232	0.228	0.226	0.234	2.66
63)	TM	Hexachlorobenzene	0.256	0.268	0.268	0.259	0.256	0.263	0.263	2.15
64)	TMC	Pentachlorophenol	———	0.126	0.146	0.152	0.162	0.097	0.140	17.53
65)	TM	Phenanthrene	1.090	1.029	1.078	1.032	1.062	1.059	1.057	2.15
66)	TM	Anthracene	1.101	1.066	1.071	0.992	0.901	1.063	1.029	6.61
67)	TM	Carbazole	1.030	1.034	1.030	0.950	0.932	1.007	0.989	4.61
68)	TM	Di-n-butyl phthalat	1.591	1.600	1.578	1.372	1.016	1.527	1.445	14.40
69)	TCM	Fluoranthene	1.171	1.137	1.142	1.008	0.923	1.115	1.075	8.36
70)	TM	Benzidine	0.481	0.335	0.106	0.142	0.107	0.502	0.262	66.65
71)	I	d12-Chrysene	----------ISTD----------							
72)	TM	Pyrene	1.347	1.307	1.293	1.345	1.647	1.296	1.377	9.09
73)	S	d14-p-terphenyl	0.913	0.876	0.882	0.847	0.903	0.887	0.888	2.55
74)	TM	Butyl benzyl phthal	0.755	0.795	0.813	0.771	0.722	0.763	0.778	4.73
75)	TM	Benzo[a]anthracene	1.183	1.165	1.155	1.148	1.433	1.163	1.205	8.44
76)	TM	Chrysene	1.092	1.092	1.072	1.067	1.033	1.079	1.073	1.87
77)	TM	3,3'-Dichlorobenzid	0.392	0.415	0.418	0.440	0.432	0.388	0.416	4.77
78)	TM	Bis (2-ethylhexyl)	1.040	1.059	1.069	1.097	1.054	0.981	1.066	5.27
79)	I	d12-Perylene	----------ISTD----------							
80)	TCM	di-n-octyl-phthalat	1.940	2.049	1.974	1.755	1.567	1.950	1.887	8.85
)	TM	Benzo[b] fluoranthe	1.167	1.253	1.235	1.164	1.367	1.181	1.234	5.90
)	TM	Benzo[k] fluoranthe	1.143	1.153	1.157	1.051	0.956	1.130	1.105	6.79

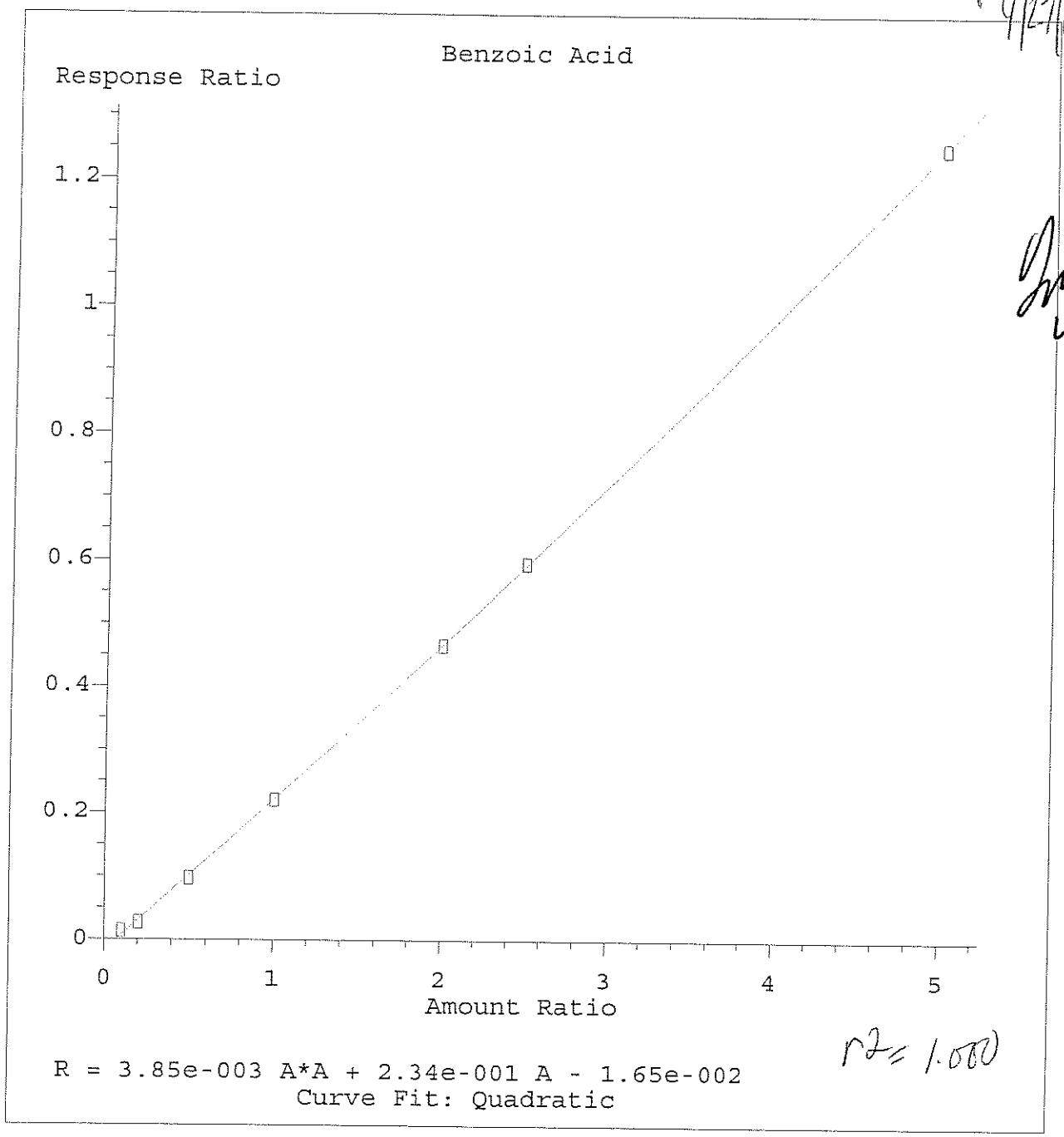
(#) = Out of Range ### Number of calibration levels exceeded format ###

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:49:30 2006
Response via : Initial Calibration

Calibration Files
1 =D47090SI.D 2 =D47092SI.D 3 =D47093SI.D
4 =D47095SI.D 5 =D47096SI.D 2A =D47091SI.D

	Compound	1	2	3	4	5	2A	Avg	%RSD
83)	TCM Benzo[a] pyrene	1.082	1.097	1.109	1.058	1.105	1.065	1.089	1.90
84)	TM Indeno [1,2,3-cd] p	0.967	1.054	1.063	1.057	0.924	0.995	1.037	8.54
85)	TM Dibenz [a,h] anthra	0.973	0.985	1.034	0.981	0.773	0.978	0.963	8.97
86)	TM Benzo(g,h,i) peryl	0.972	1.073	1.088	0.998	0.862	1.007	1.010	7.82

(#) = Out of Range ### Number of calibration levels exceeded format ###

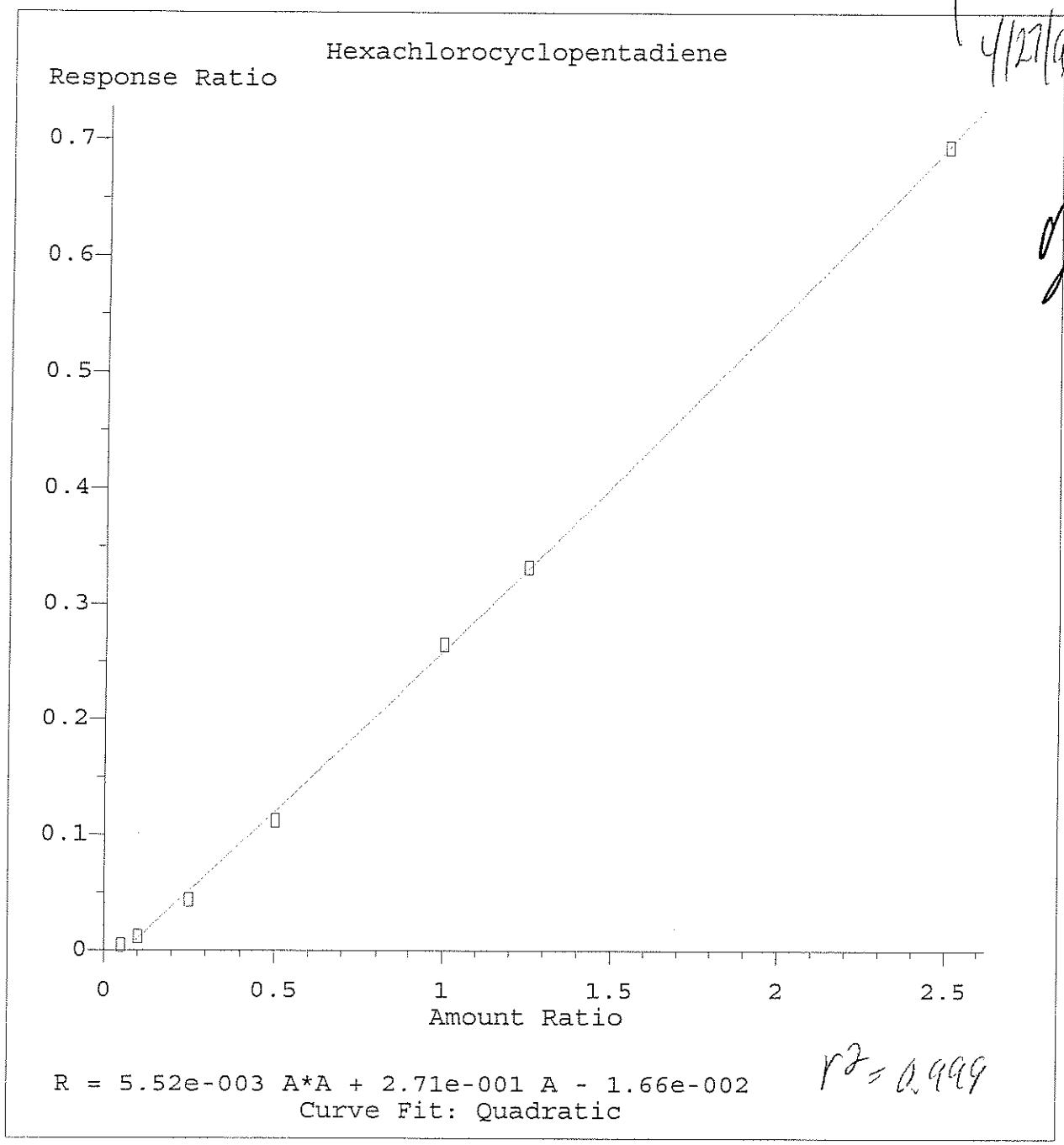


4/27/06

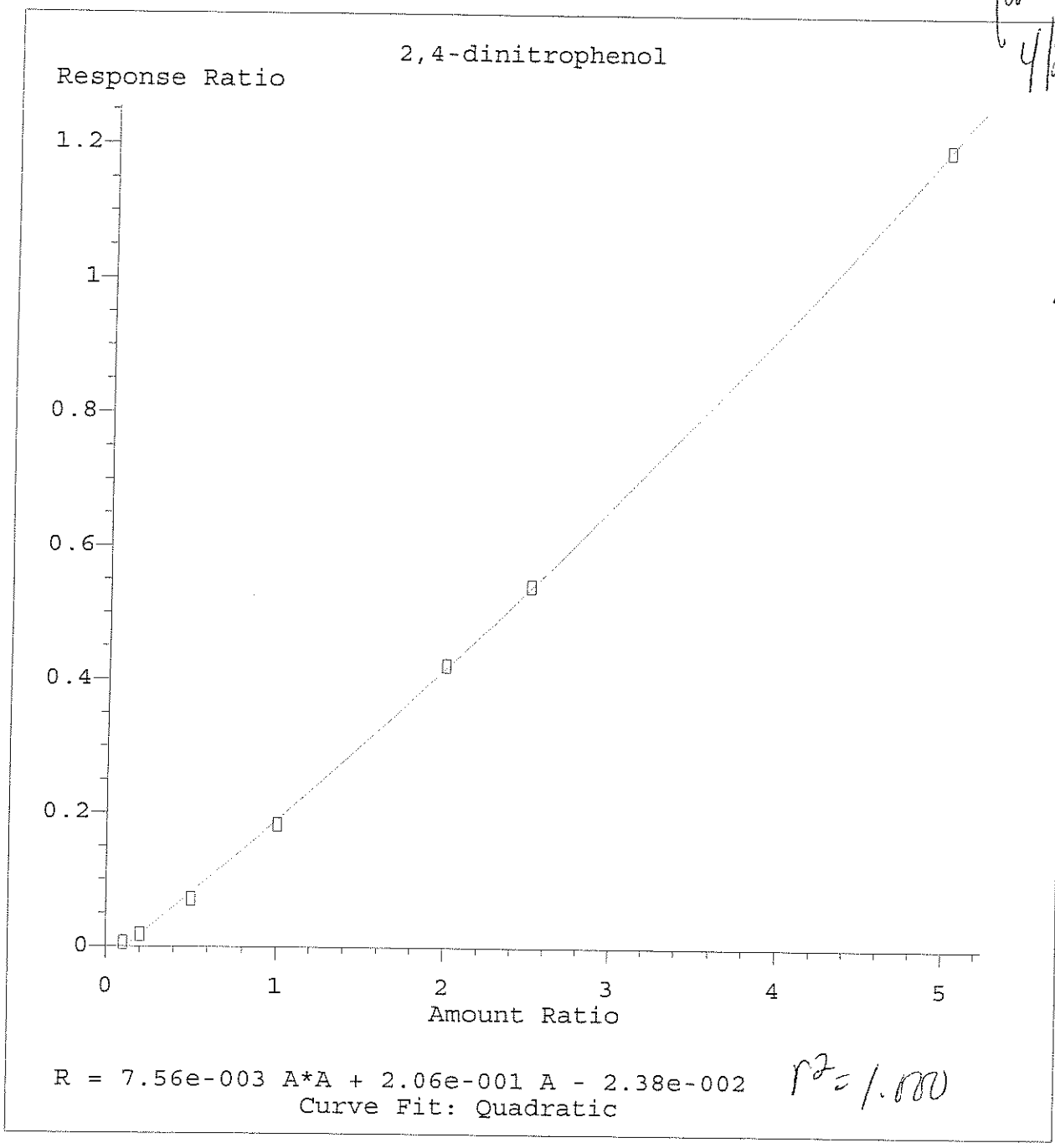
4.27.06

$r^2 = 1.000$

Method Name: D:\HPCHEM\1\METHODS\S04266.M
Calibration Table Last Updated: Wed Apr 26 20:48:01 2006

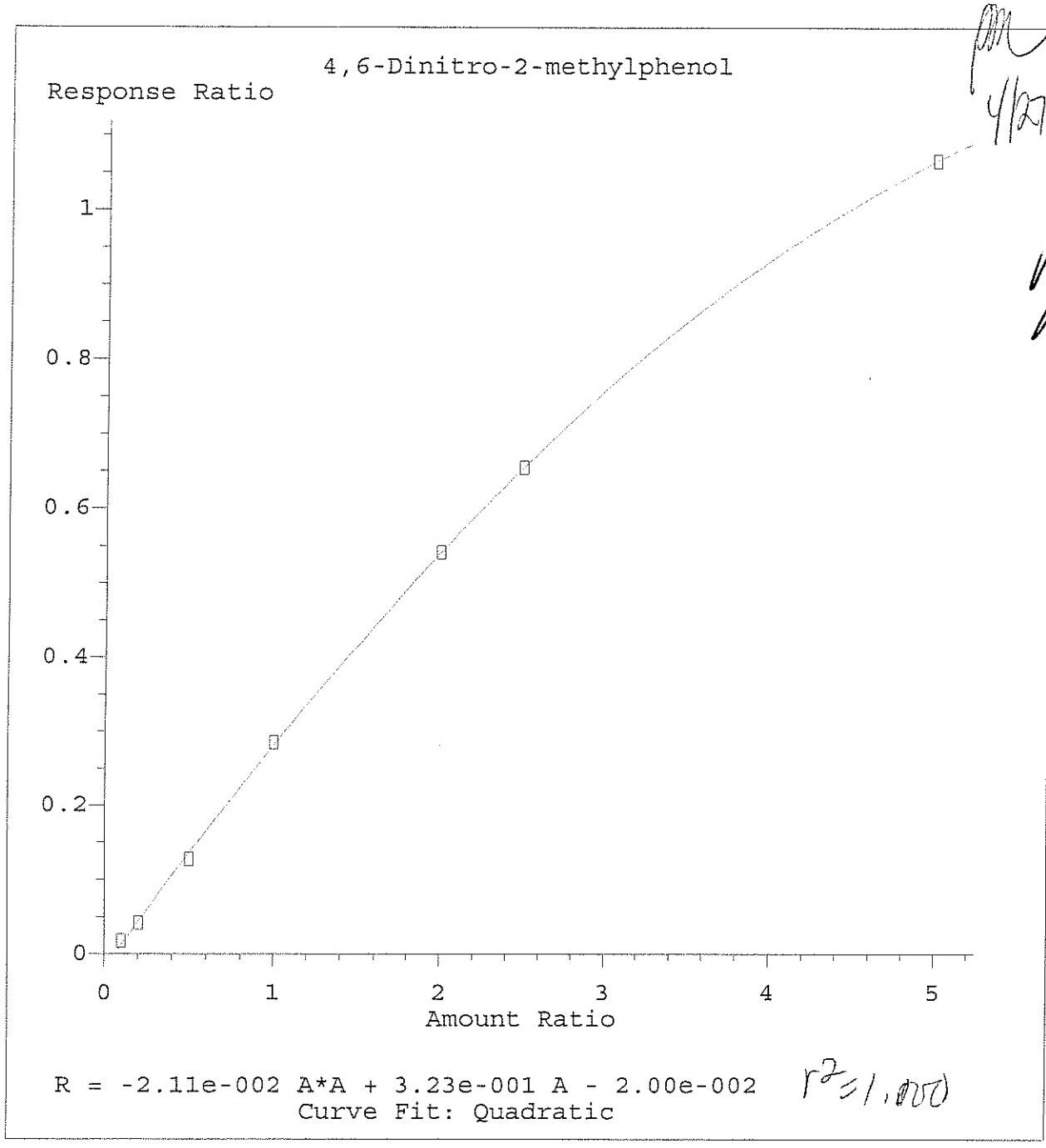


Method Name: D:\HPCHEM\1\METHODS\S04266.M
Calibration Table Last Updated: Wed Apr 26 20:48:52 2006



$r^2 = 1.000$

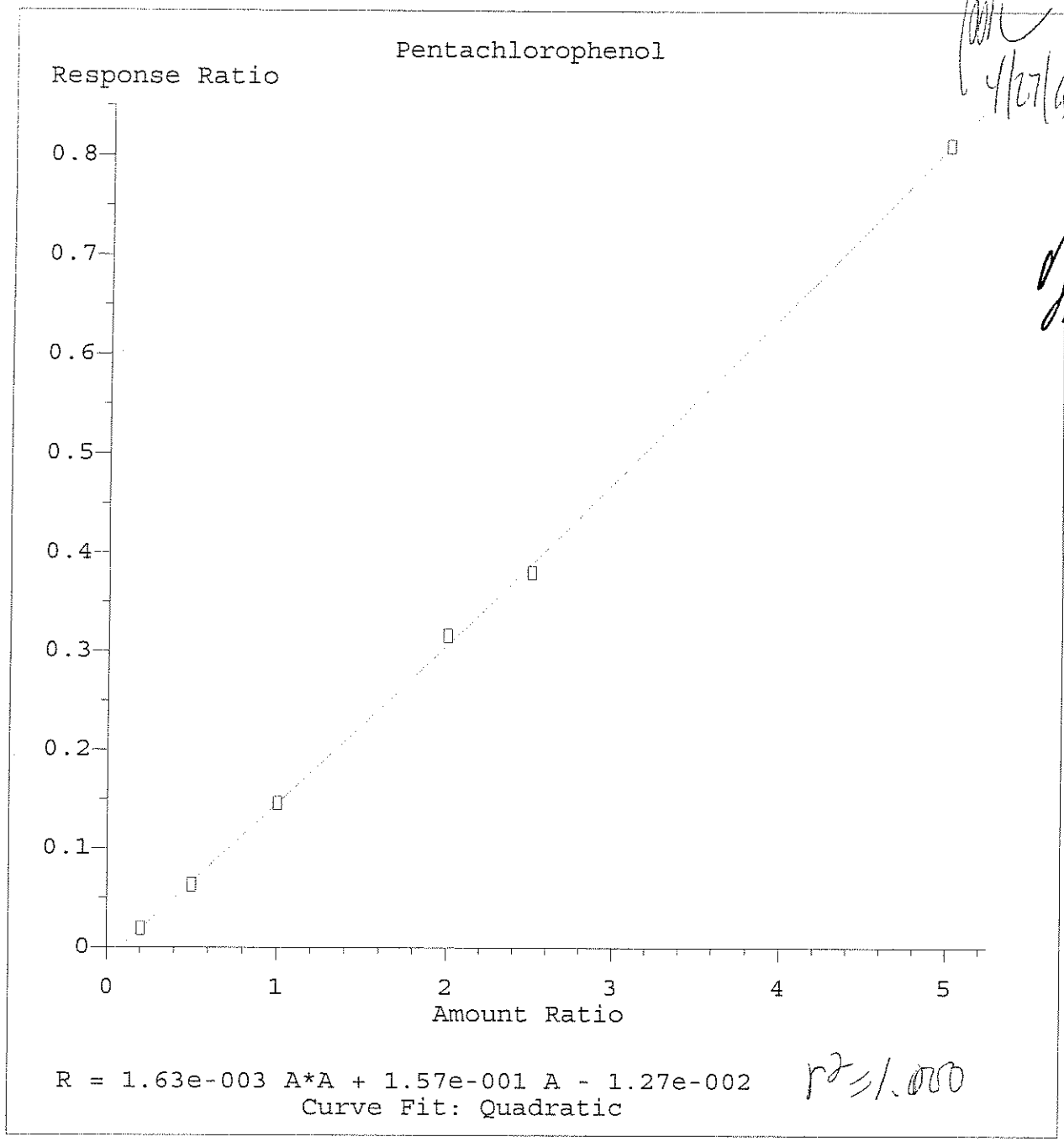
Method Name: D:\HPCHEM\1\METHODS\S04266.M
Calibration Table Last Updated: Wed Apr 26 20:49:00 2006



4/27/06

4.27.06

Method Name: D:\HPCHEM\1\METHODS\S04266.M
Calibration Table Last Updated: Wed Apr 26 20:49:09 2006



4/27/06

4.27.06

Method Name: D:\HPCHEM\1\METHODS\S04266.M
Calibration Table Last Updated: Wed Apr 26 20:49:21 2006

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47090SI.D Vial: 2
Acq On : 26 Apr 2006 12:34 pm Operator:
Sample : S6745 PT1 2/4 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 19:58 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4.27.06 4/27/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.80	152	599159	40.00	ug/ml	0.00
19) d8-Naphthalene	8.73	136	2153498	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.02	164	973021	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.59	188	1637528	40.00	ug/ml	0.00
71) d12-Chrysene	23.05	240	1432131	40.00	ug/ml	-0.01
79) d12-Perylene	27.08	264	1214971	40.00	ug/ml	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	3.54	112	81364	3.92	ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 5.23%#			
5) d5-Phenol	5.48	99	109594	4.86	ug/ml	0.05
Spiked Amount 75.000	Range 22 - 110		Recovery = 6.48%#			
20) d5-nitrobenzene	7.12	82	97724	4.00	ug/ml	0.00
Spiked Amount 50.000	Range 45 - 107		Recovery = 8.00%#			
39) 2-Fluorobiphenyl	11.42	172	129380	4.13	ug/ml	-0.01
Spiked Amount 50.000	Range 44 - 102		Recovery = 8.26%#			
60) 2,4,6-Tribromophenol	15.00	330	22337	3.82	ug/ml	-0.01
Spiked Amount 75.000	Range 63 - 127		Recovery = 5.09%#			
73) d14-p-terphenyl	20.54	244	130711	4.19	ug/ml	-0.02
Spiked Amount 50.000	Range 33 - 132		Recovery = 8.38%#			
Target Compounds						Qvalue
2) Pyridine	1.56	79	64982	1.86	ug/ml#	79
3) N-nitrosodimethylamine	1.51	42	41361	2.01	ug/ml	93
6) Aniline	5.22	93	65863	2.12	ug/ml	97
7) Phenol	5.51	94	114610m	4.93	ug/ml	
8) 2-Chlorophenol	5.55	128	88846	4.06	ug/ml	87
9) bis(2-chloroethyl) ether	5.33	93	51092	2.13	ug/ml	93
10) 1,3-Dichlorobenzene	5.71	146	48532	2.10	ug/ml	98
11) 1,4-Dichlorobenzene	5.83	146	46981	2.00	ug/ml#	69
12) 1,2-Dichlorobenzene	6.24	146	41669	1.91	ug/ml	98
13) Benzyl Alcohol	6.23	108	18206	1.52	ug/ml#	74
14) 2-Methylphenol	6.70	108	68471	3.80	ug/ml	97
15) bis(2-chloroisopropyl)ethe	6.52	45	88373	2.04	ug/ml	98
16) 3+4-Methylphenol	7.05	108	78314	4.15	ug/ml	96
17) Hexachloroethane	6.91	117	18807	2.04	ug/ml	91
18) N-nitroso-di-n-propylamine	6.85	70	36521	2.39	ug/ml	98
21) Nitrobenzene	7.17	123	23359	2.03	ug/ml	95
22) Isophorone	7.70	82	82771	2.24	ug/ml	98
23) 2-Nitrophenol	7.91	139	46898	3.68	ug/ml	95
24) 2,4-Dimethylphenol	8.20	107	75069	4.04	ug/ml	98
25) Bis(2-chloroethoxy)methane	8.28	93	50167	2.00	ug/ml	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47090SI.D Vial: 2
Acq On : 26 Apr 2006 12:34 pm Operator:
Sample : S6745 PT1 2/4 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 19:58 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 2,4-Dichlorophenol	8.66	162	56872	3.84 ug/ml	91
27) Benzoic Acid	8.54	105	29497m	4.24 ug/ml	
28) 1,2,4-Trichlorobenzene	8.64	180	29241	1.92 ug/ml	98
29) Naphthalene	8.78	128	110771	2.03 ug/ml	99
30) 2,6-Dichlorophenol	9.07	162	55970	3.82 ug/ml	94
31) 4-Chloroaniline	9.04	127	49854	2.04 ug/ml	97
32) Hexachlorobutadiene	9.22	225	17305	1.85 ug/ml	97
33) 4-Chloro-3-methylphenol	10.52	107	58754m	3.81 ug/ml	
34) 2-Methylnaphthalene	10.45	141	60745	1.92 ug/ml	96
36) Hexachlorocyclopentadiene	11.00	237	4494	0.90 ug/ml	97
37) 2,4,6-Trichlorophenol	11.33	196	38190	4.00 ug/ml	95
38) 2,4,5-Trichlorophenol	11.62	196	39298	3.92 ug/ml	98
40) 2-Chloronaphthalene	11.61	162	61549	2.06 ug/ml	96
41) 2-Nitroaniline	12.04	138	25940	1.86 ug/ml#	84
42) 2,6-Dinitrotoluene	12.73	165	16883	2.18 ug/ml	96
43) Dimethyl Phthalate	12.56	163	73249	2.35 ug/ml	99
44) Acenaphthylene	12.64	152	99027	2.06 ug/ml	100
45) 3-Nitroaniline	13.08	138	21316	1.97 ug/ml	84
46) Acenaphthene	13.09	154	57104	2.08 ug/ml	97
47) 2,4-dinitrophenol	13.34	184	6348m	1.95 ug/ml	
48) Dibenzofuran	13.48	168	82961	2.08 ug/ml	95
49) 4-Nitrophenol	14.11	109	14089m	4.45 ug/ml	
50) 2,4-Dinitrotoluene	13.68	165	20275	2.06 ug/ml	97
51) 2,3,4,6-Tetrachlorophenol	14.02	232	25837	3.52 ug/ml	97
52) Fluorene	14.32	166	64637	2.06 ug/ml	95
53) Diethyl Phthalate	14.28	149	76467	2.33 ug/ml	98
54) 4-Chlorophenyl phenyl eth	14.37	204	32309	2.07 ug/ml	94
55) 4-Nitroaniline	14.58	138	20083	2.17 ug/ml	96
56) 4,6-Dinitro-2-methylphenol	14.66	198	17461	3.30 ug/ml	93
57) n-nitrosodiphenylamine	14.70	169	42177	2.22 ug/ml	89
58) Azobenzene	14.74	77	100618	2.06 ug/ml	96
59) Biphenyl	11.62	154	82387	2.15 ug/ml	95
62) 4-bromophenyl phenyl ether	15.54	248	19990	2.08 ug/ml	99
63) Hexachlorobenzene	15.86	284	20945	1.94 ug/ml#	91
64) Pentachlorophenol	16.40	266	10374	1.82 ug/ml	88
65) Phenanthrene	16.64	178	89214	2.05 ug/ml	99
66) Anthracene	16.74	178	90174	2.18 ug/ml	99
67) Carbazole	17.23	167	84316	2.33 ug/ml	97
68) Di-n-butyl phthalate	18.24	149	130249	2.17 ug/ml	99
69) Fluoranthene	19.54	202	95837	2.24 ug/ml	98
70) Benzidine	19.96	184	39402	3.67 ug/ml	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47090SI.D Vial: 2
Acq On : 26 Apr 2006 12:34 pm Operator:
Sample : S6745 PT1 2/4 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 19:58 2006 Quant Results File: S04266.RES

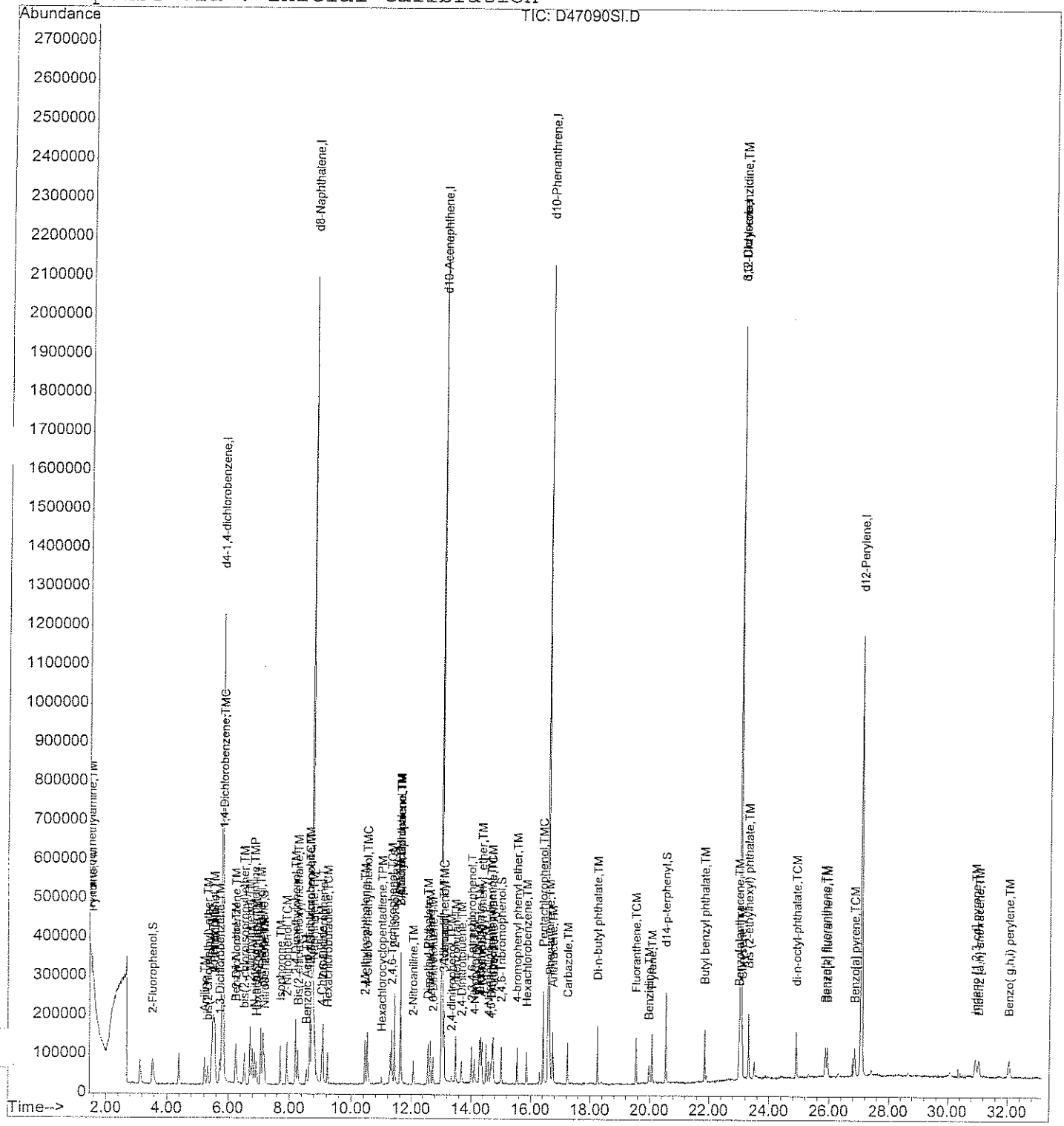
Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
72) Pyrene	20.07	202	96451	2.06 ug/ml	97
74) Butyl benzyl phthalate	21.85	149	54061	1.90 ug/ml	100
75) Benzo[a]anthracene	22.99	228	84744	2.01 ug/ml	98
76) Chrysene	23.10	228	78209	2.03 ug/ml	97
77) 3,3'-Dichlorobenzidine	23.04	252	28088	1.84 ug/ml#	92
78) Bis (2-ethylhexyl) phthala	23.30	149	74479	1.92 ug/ml	100
80) di-n-octyl-phthalate	24.91	149	117874	2.02 ug/ml	96
81) Benzo[b] fluoranthene	25.87	252	70912	2.18 ug/ml	96
82) Benzo[k] fluoranthene	25.94	252	69438	1.96 ug/ml	98
83) Benzo[a] pyrene	26.85	252	65729	2.26 ug/ml	96
84) Indeno [1,2,3-cd] pyrene	30.93	276	58746m	1.97 ug/ml	
85) Dibenz [a,h] anthracene	31.05	278	59119	2.24 ug/ml#	87
86) Benzo(g,h,i) perylene	32.04	276	59032	2.15 ug/ml	96

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042606-D\D47090SI.D Vial: 2
Acq On : 26 Apr 2006 12:34 pm Operator:
Sample : S6745 PT1 2/4 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 19:58 2006 Quant Results File: S04266.RES

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Initial Calibration



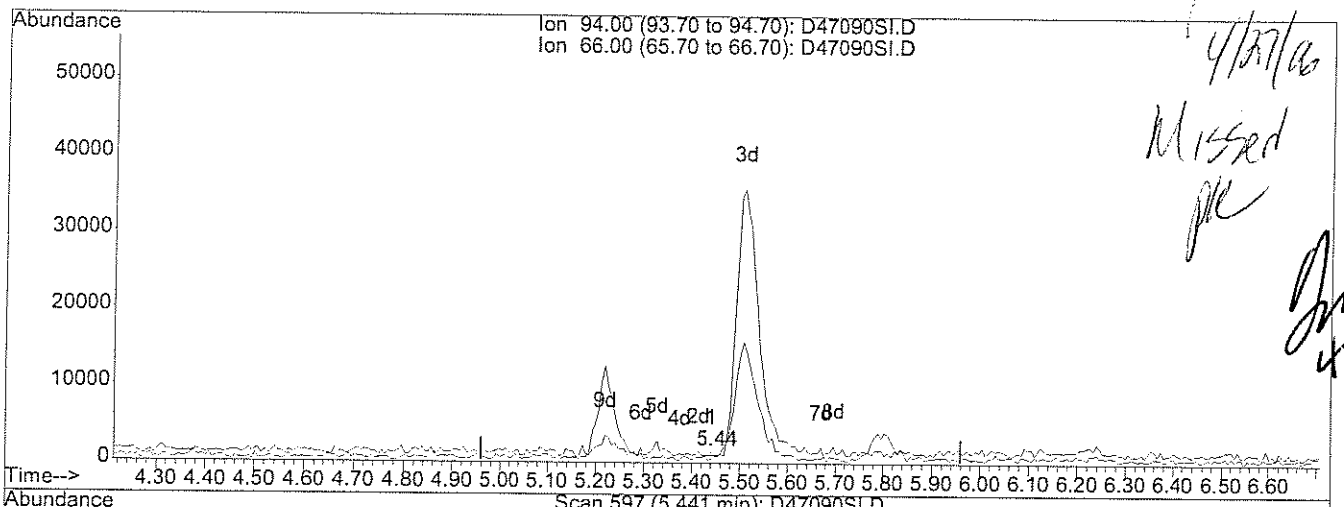
Quantitation Report (Qedit)

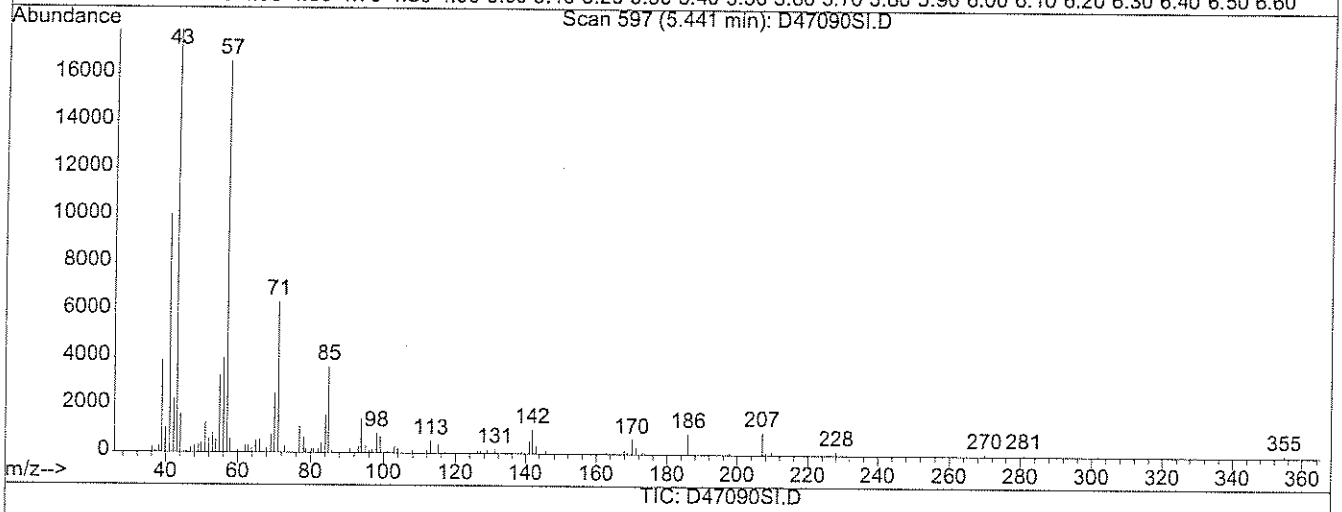
Data File : D:\HPCHEM\1\DATA\042606-D\D47090SI.D
Acq On : 26 Apr 2006 12:34 pm
Sample : S6745 PT1 2/4
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 19:18 2006

Vial: 2
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Multiple Level Calibration





(7) Phenol (TMC)

5.44min 0.01ug/ml

response 277

Ion	Exp%	Act%
94.00	100	100
66.00	45.30	244.04#
0.00	0.00	0.00
0.00	0.00	0.00

4/27/06
Missed
pk
4-27-06

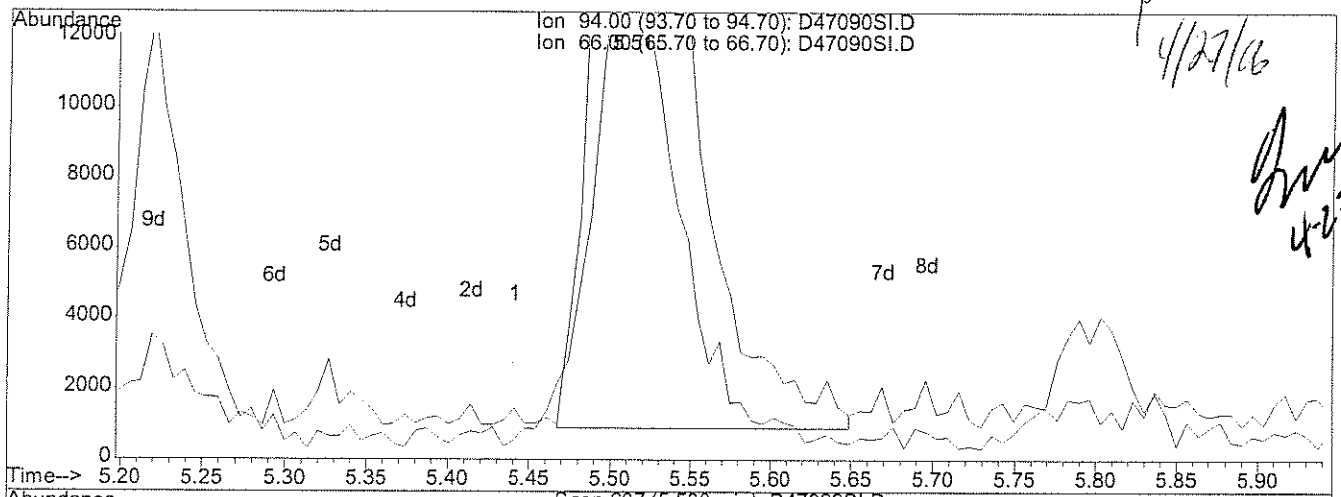
Quantitation Report (Qedit)

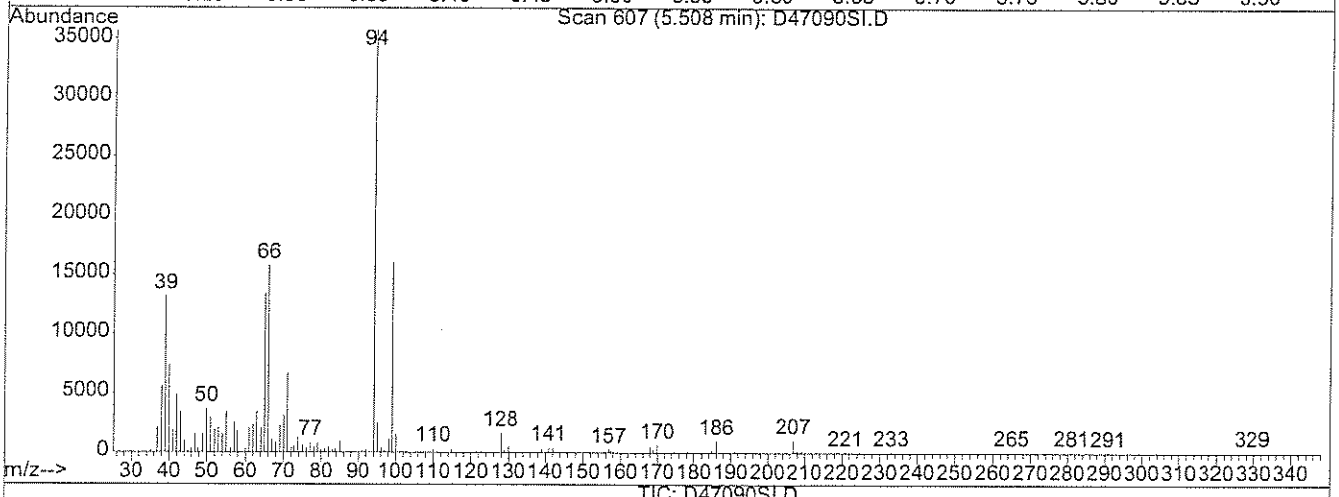
Data File : D:\HPCHEM\1\DATA\042606-D\D47090SI.D Vial: 2
Acq On : 26 Apr 2006 12:34 pm Operator:
Sample : S6745 PT1 2/4 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 19:56 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Multiple Level Calibration

4/27/06

4-27-06





TIC: D47090SI.D

(7) Phenol (TMC)

5.51min 4.93ug/ml m

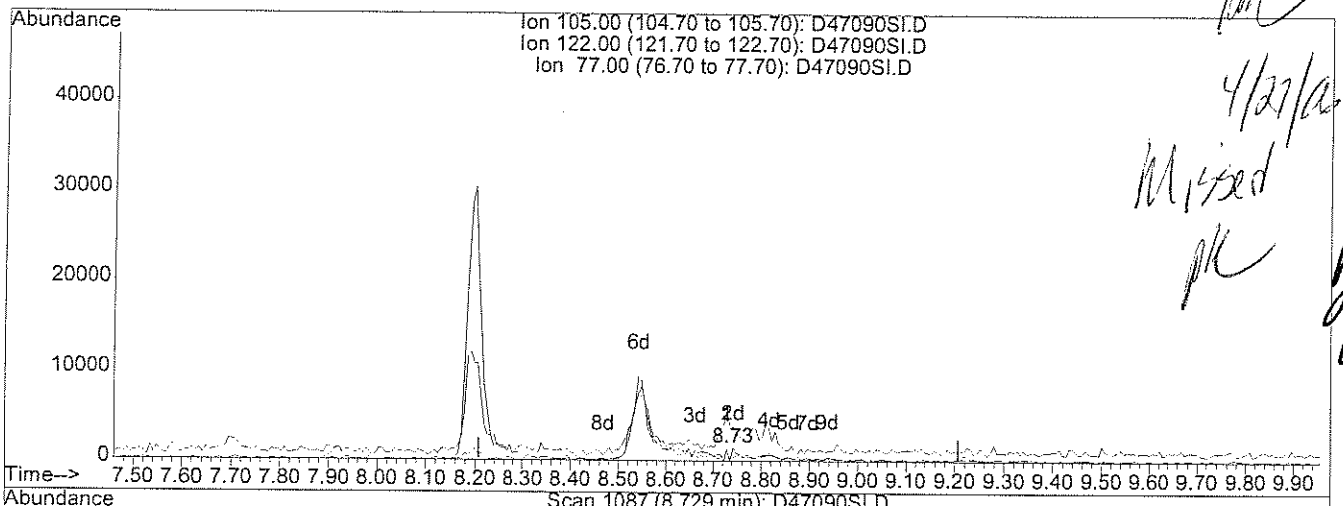
response 114610

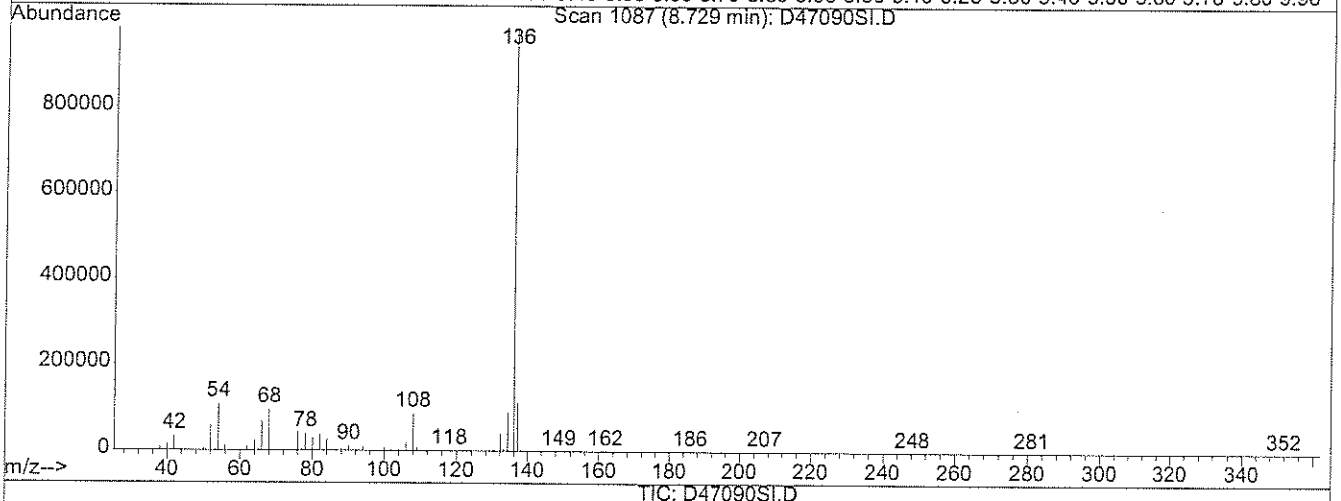
Ion	Exp%	Act%
94.00	100	100
66.00	45.30	0.59#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47090SI.D Vial: 2
Acq On : 26 Apr 2006 12:34 pm Operator:
Sample : S6745 PT1 2/4 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 19:56 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Multiple Level Calibration





TIC: D47090SI.D

(27) Benzoic Acid (TM)

8.73min 0.08ug/ml

response 548

Ion	Exp%	Act%
105.00	100	100
122.00	84.40	56.75#
77.00	88.30	1313.87#
0.00	0.00	0.00

4/27/a
Mixed
4-27-

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47090SI.D
Acq On : 26 Apr 2006 12:34 pm
Sample : S6745 PT1 2/4
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 19:56 2006

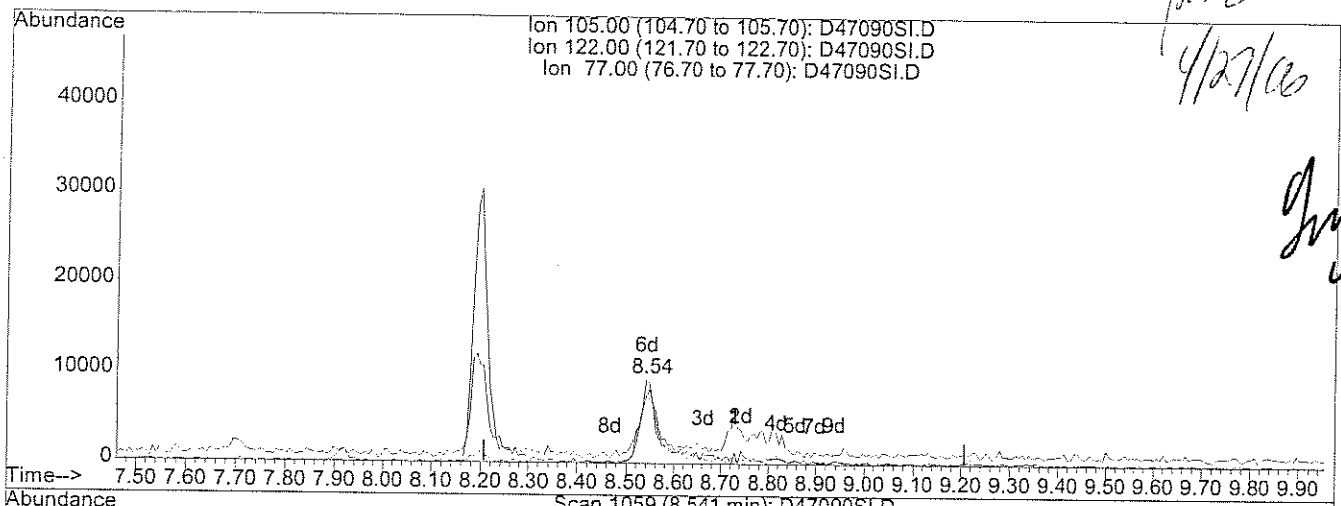
Vial: 2
Operator:
Inst : D Instrum
Multiplr: 1.00

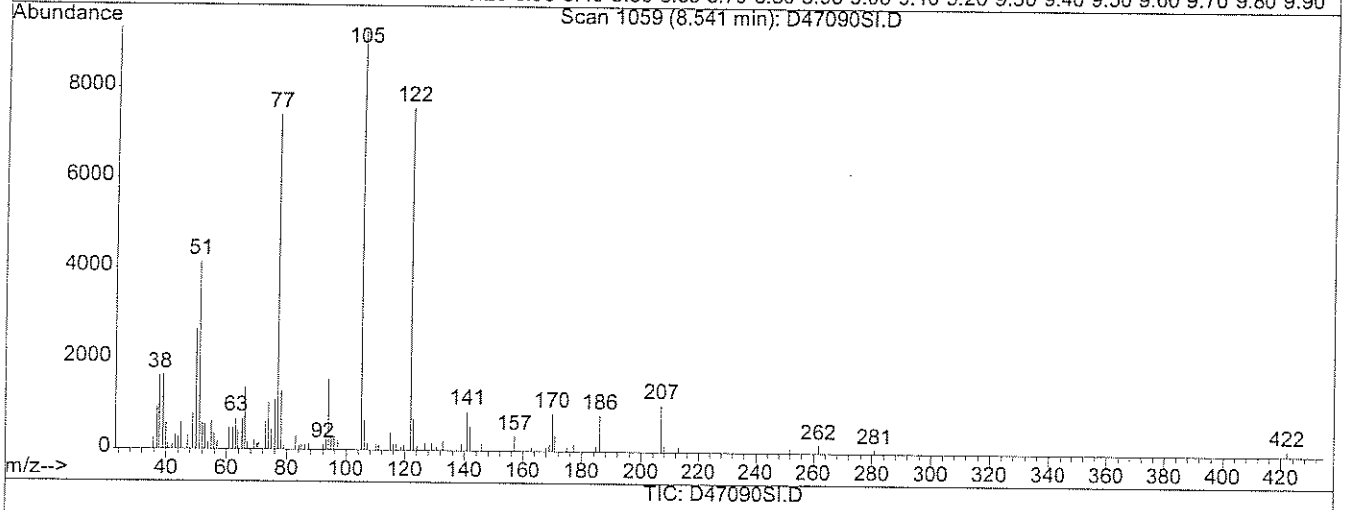
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Multiple Level Calibration

4/27/06

4.27.06





(27) Benzoic Acid (TM)

8.54min 4.24ug/ml m

response 29497

Ion	Exp%	Act%
105.00	100	100
122.00	84.40	1.05#
77.00	88.30	24.41#
0.00	0.00	0.00

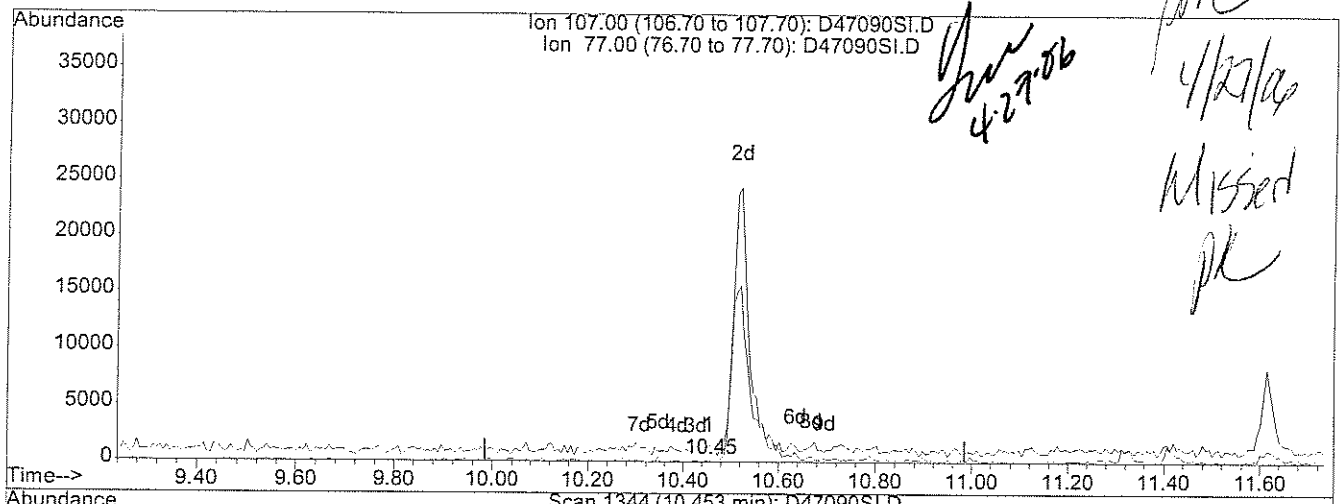
Quantitation Report (Qedit)

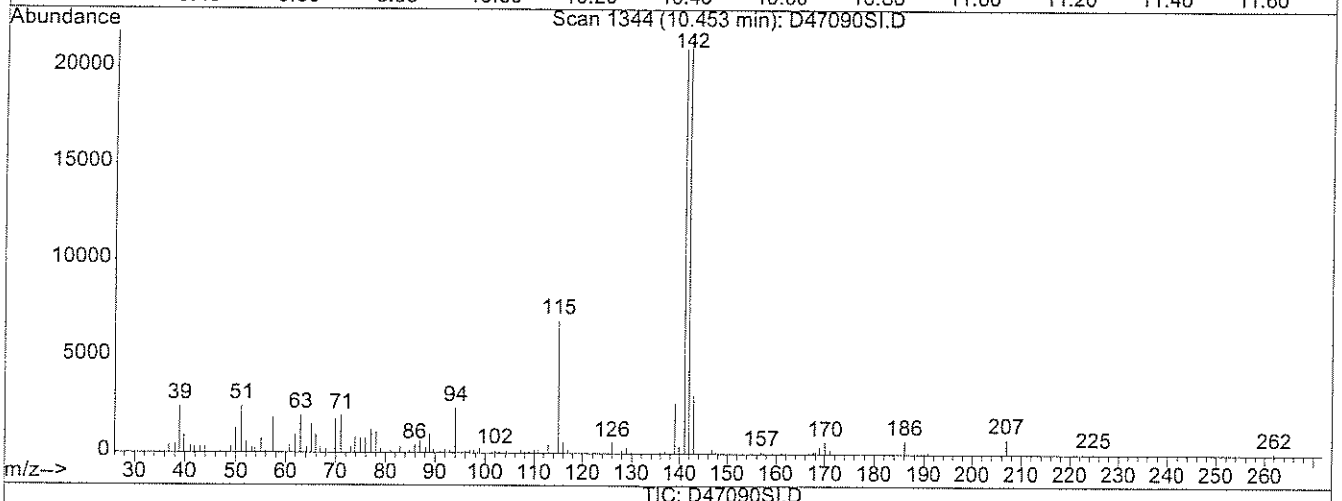
Data File : D:\HPCHEM\1\DATA\042606-D\D47090SI.D
Acq On : 26 Apr 2006 12:34 pm
Sample : S6745 PT1 2/4
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 19:56 2006

Vial: 2
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Multiple Level Calibration





TIC: D47090SI.D

(33) 4-Chloro-3-methylphenol (TMC)

10.45min 0.00ug/ml

response 69

Ion	Exp%	Act%
107.00	100	100
77.00	57.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

4-27-06

4/27/06

Missed pk

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47090SI.D
Acq On : 26 Apr 2006 12:34 pm
Sample : S6745 PT1 2/4
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 19:56 2006

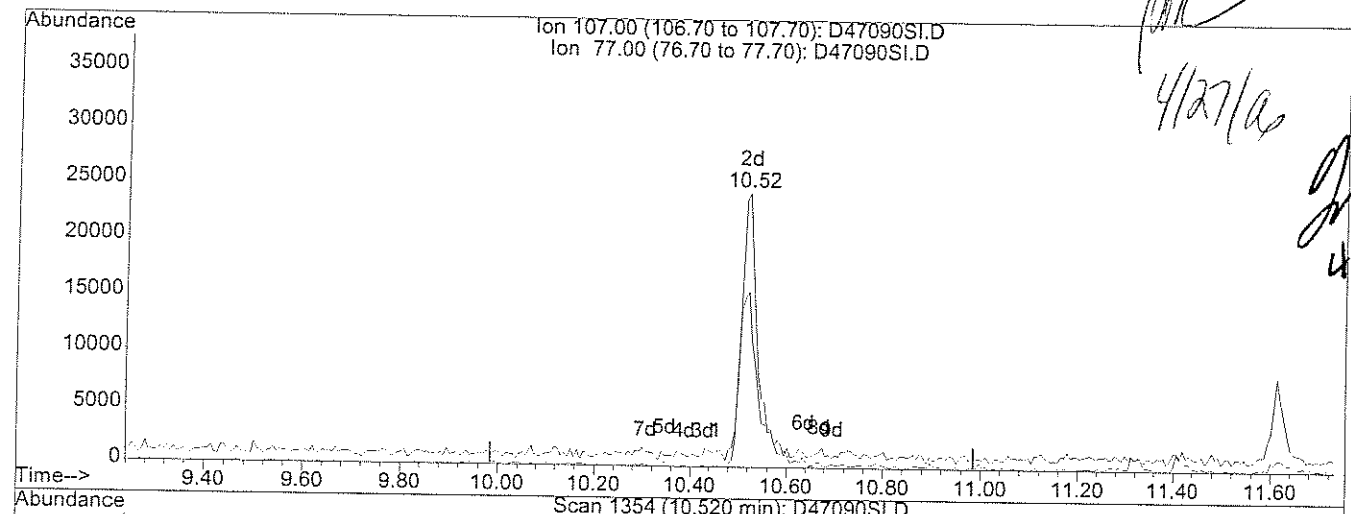
Vial: 2
Operator:
Inst : D Instrum
Multiplr: 1.00

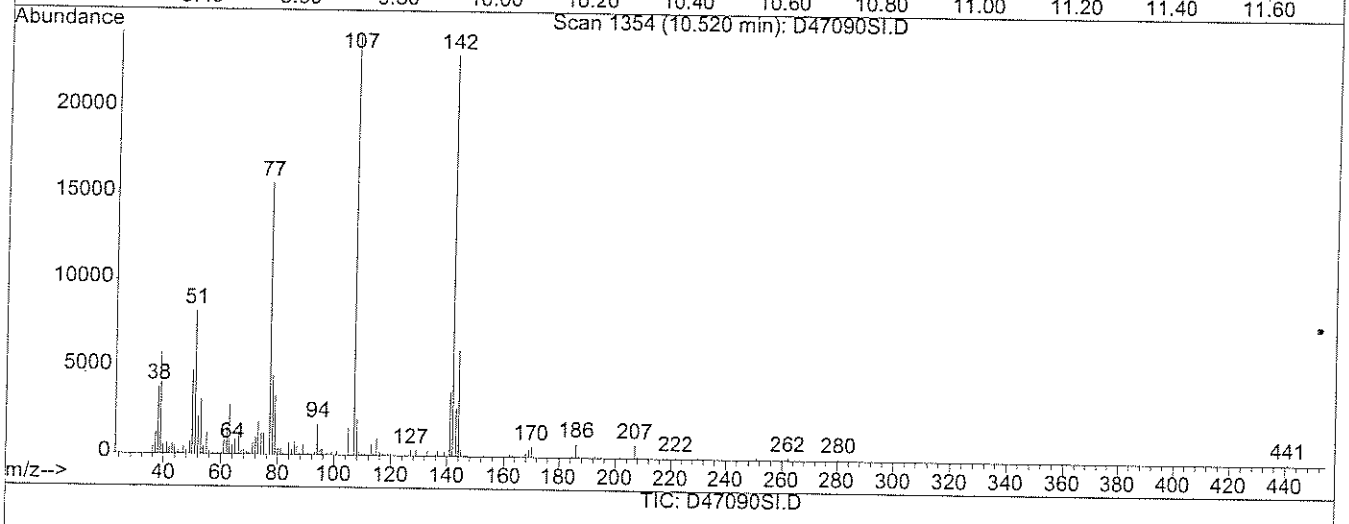
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Multiple Level Calibration

4/27/06

4-27-06





(33) 4-Chloro-3-methylphenol (TMC)

10.52min 3.81ug/ml m

response 58754

Ion	Exp%	Act%
107.00	100	100
77.00	57.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

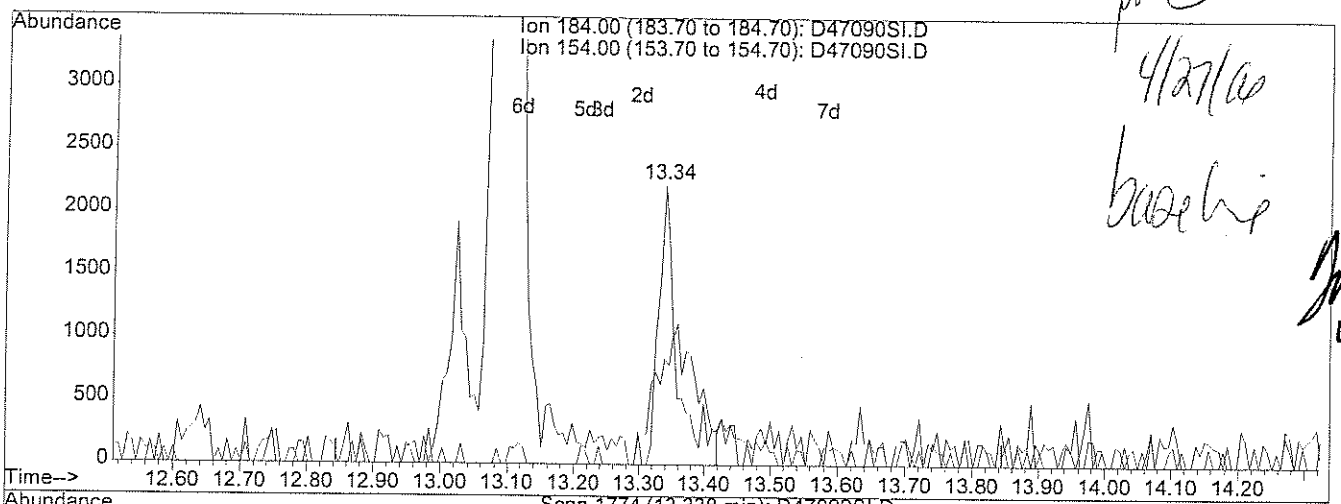
Quantitation Report (Qedit)

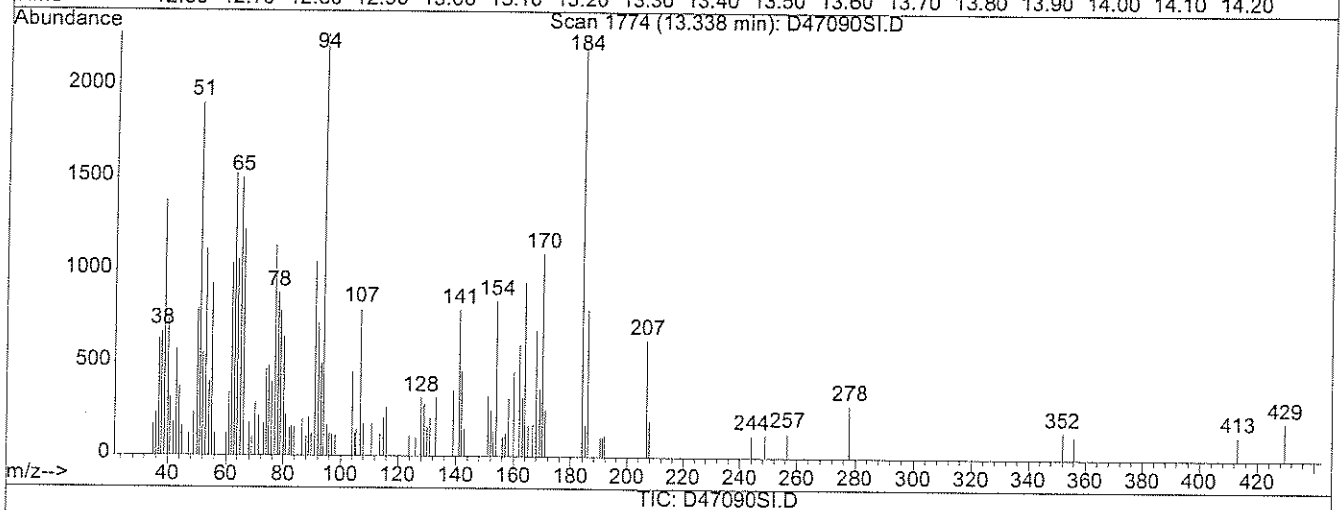
Data File : D:\HPCHEM\1\DATA\042606-D\D47090SI.D
Acq On : 26 Apr 2006 12:34 pm
Sample : S6745 PT1 2/4
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 19:56 2006

Vial: 2
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Multiple Level Calibration





(47) 2,4-dinitrophenol (TPM)

13.34min 1.73ug/ml

response 5636

Ion	Exp%	Act%
184.00	100	100
154.00	40.00	54.58#
0.00	0.00	0.00
0.00	0.00	0.00

4/27/06

4.27.06

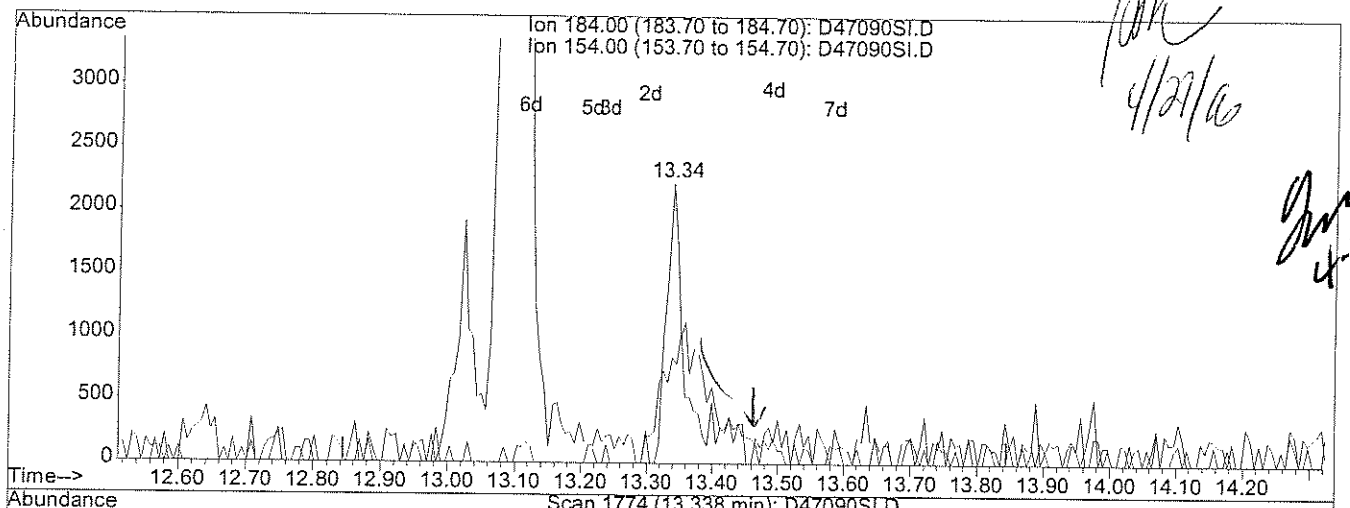
Quantitation Report (Qedit)

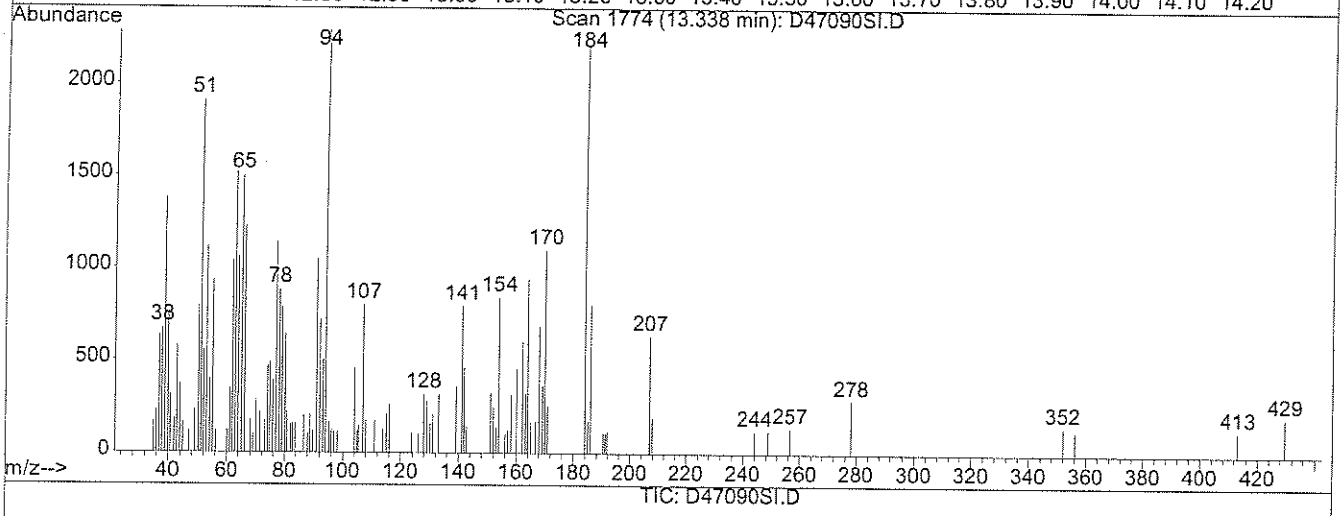
Data File : D:\HPCHEM\1\DATA\042606-D\D47090SI.D
Acq On : 26 Apr 2006 12:34 pm
Sample : S6745 PT1 2/4
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 19:57 2006

Vial: 2
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Multiple Level Calibration





(47) 2,4-dinitrophenol (TPM)

13.34min 1.95ug/ml m

response 6348

Ion	Exp%	Act%
184.00	100	100
154.00	40.00	48.46#
0.00	0.00	0.00
0.00	0.00	0.00

4/27/06

4-27-06

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47090SI.D Vial: 2
Acq On : 26 Apr 2006 12:34 pm Operator:
Sample : S6745 PT1 2/4 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 19:57 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Multiple Level Calibration

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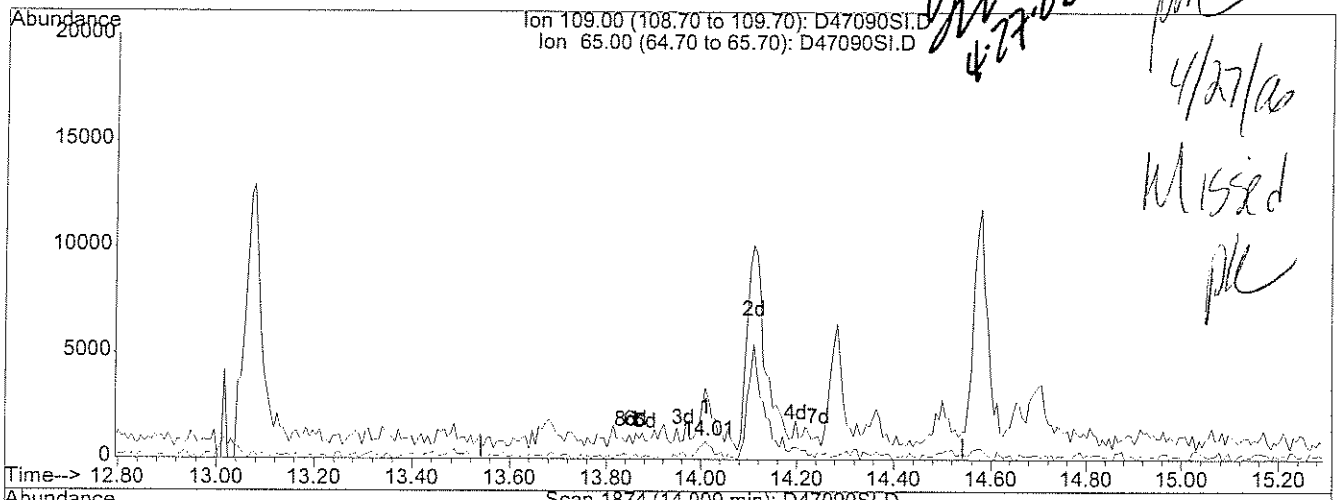
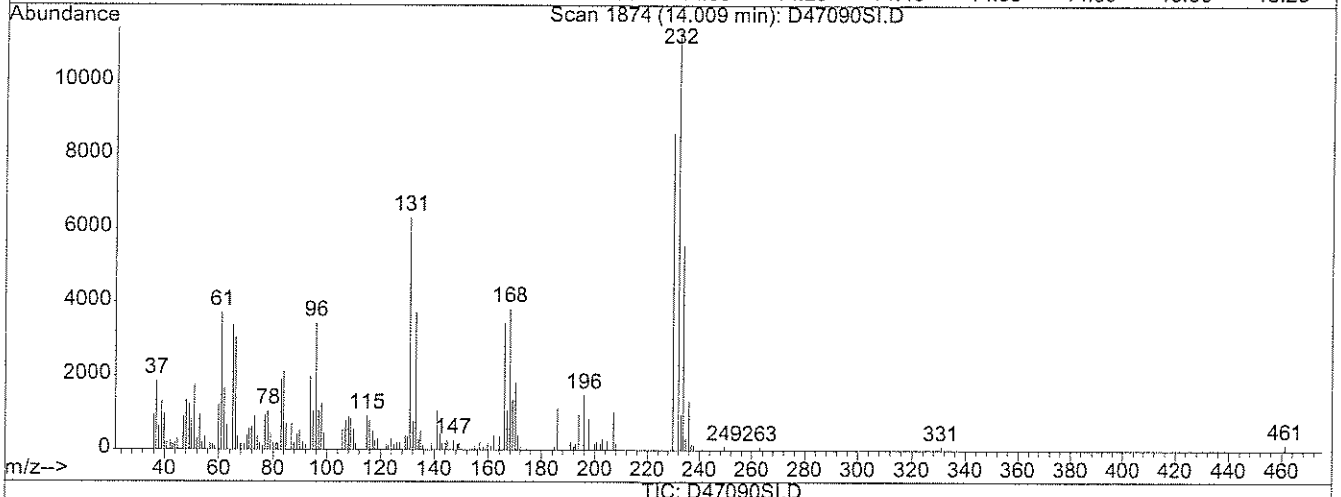
4/27/06
Missed





(49) 4-Nitrophenol (TMP)

14.01min 0.59ug/ml

response 1883

Ion	Exp%	Act%
109.00	100	100
65.00	197.20	230.54
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47090SI.D Vial: 2
Acq On : 26 Apr 2006 12:34 pm Operator:
Sample : S6745 PT1 2/4 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 19:57 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Multiple Level Calibration

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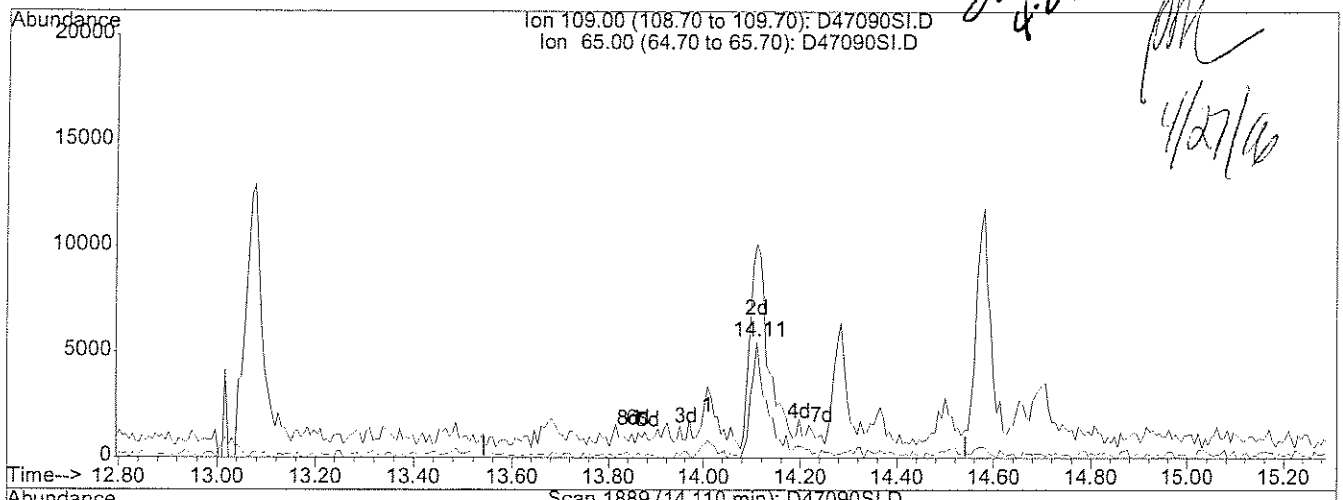
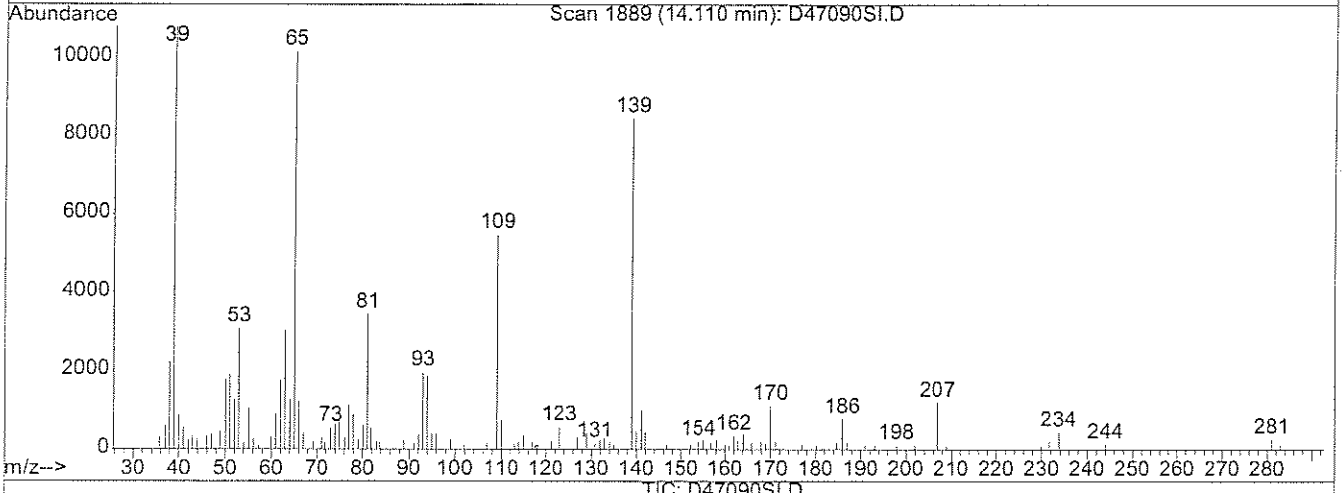
4/27/06





(49) 4-Nitrophenol (TMP)

14.11min 4.45ug/ml m

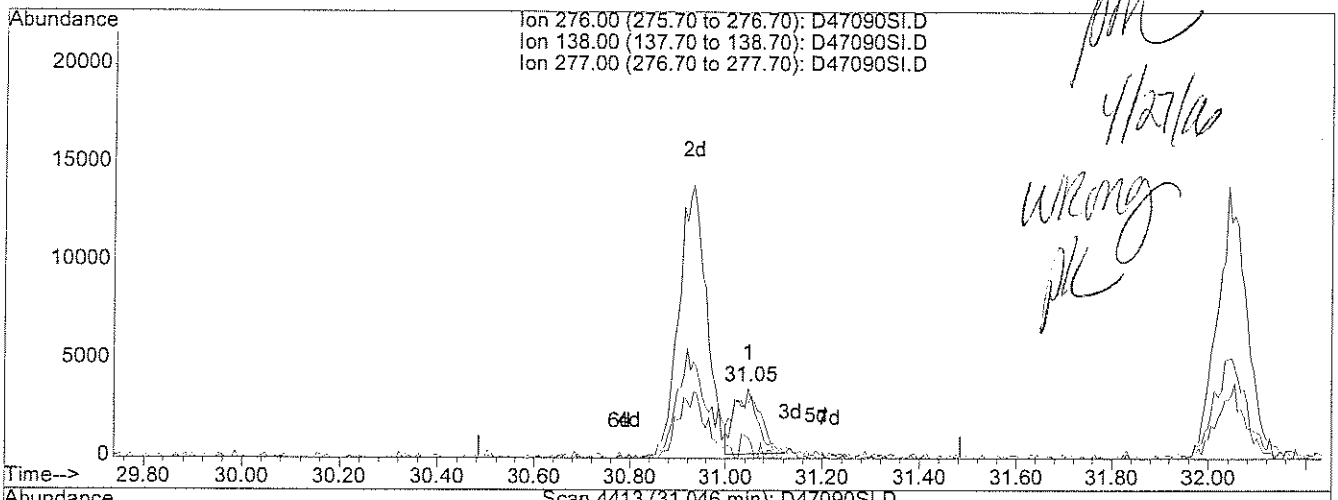
response 14089

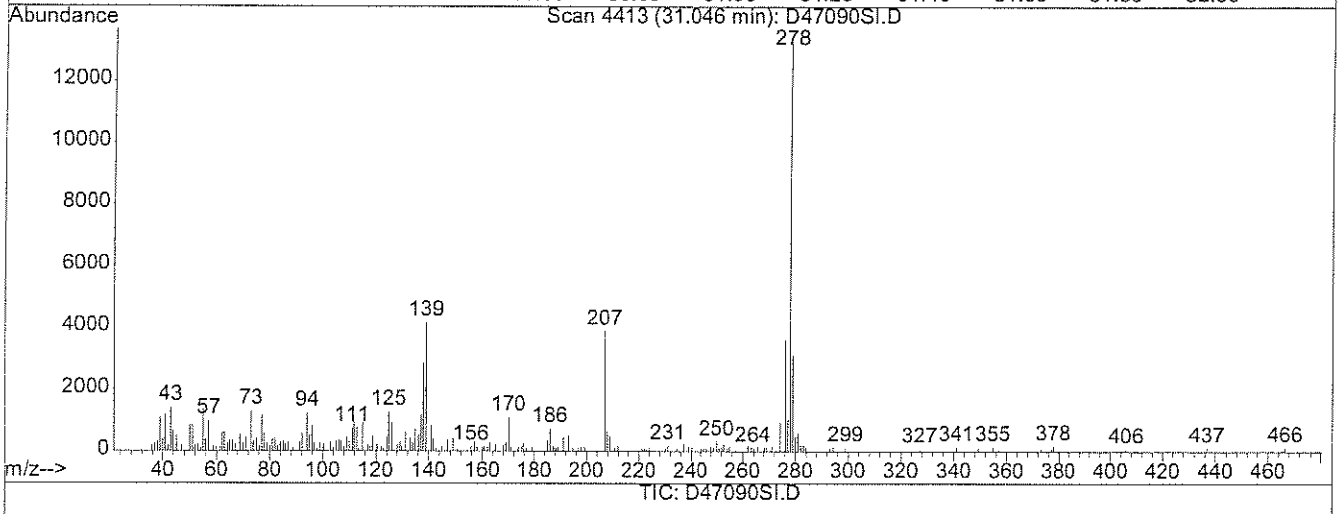
Ion	Exp%	Act%
109.00	100	100
65.00	197.20	30.81#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47090SI.D Vial: 2
Acq On : 26 Apr 2006 12:34 pm Operator:
Sample : S6745 PT1 2/4 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 19:57 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Multiple Level Calibration





TIC: D47090SI.D

(84) Indeno [1,2,3-cd] pyrene (TM)

31.05min 0.42ug/ml

response 12603

Ion	Exp%	Act%
276.00	100	100
138.00	35.80	20.25#
277.00	24.70	13.29#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47090SI.D
Acq On : 26 Apr 2006 12:34 pm
Sample : S6745 PT1 2/4
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 19:58 2006

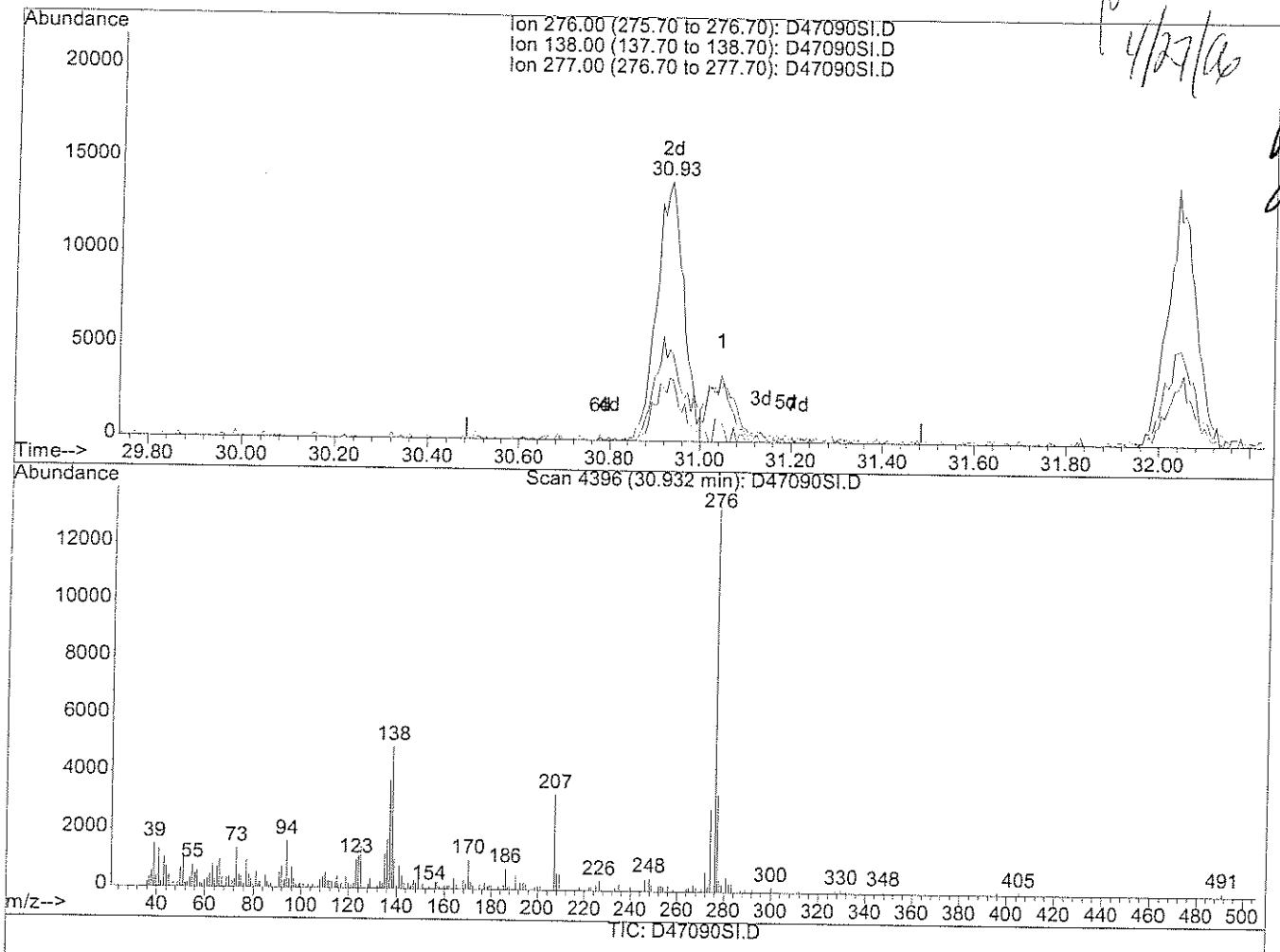
Vial: 2
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Multiple Level Calibration

4/27/06

4.27.



(84) Indeno [1,2,3-cd] pyrene (TM)

30.93min 1.97ug/ml m

response 58746

Ion	Exp%	Act%
276.00	100	100
138.00	35.80	4.34#
277.00	24.70	2.85#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47091SI.D Vial: 3
Acq On : 26 Apr 2006 1:07 pm Operator:
Sample : S6744 PT2A 4/8 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 19:59 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:58:34 2006
Response via : Initial Calibration
DataAcq Meth : ABN

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.79	152	609724	40.00	ug/ml	0.00
19) d8-Naphthalene	8.73	136	2156714	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.03	164	991735	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.59	188	1682899	40.00	ug/ml	0.00
71) d12-Chrysene	23.05	240	1468695	40.00	ug/ml	0.00
79) d12-Perylene	27.08	264	1266591	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.54	112	164870	7.81	ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 10.41%#			
5) d5-Phenol	5.47	99	214663	9.35	ug/ml	-0.01
Spiked Amount 75.000	Range 22 - 110		Recovery = 12.47%#			
20) d5-nitrobenzene	7.12	82	199396	8.15	ug/ml	0.00
Spiked Amount 50.000	Range 45 - 107		Recovery = 16.30%#			
39) 2-Fluorobiphenyl	11.42	172	267955	8.40	ug/ml	0.00
Spiked Amount 50.000	Range 44 - 102		Recovery = 16.80%#			
60) 2,4,6-Tribromophenol	15.01	330	47494	7.98	ug/ml	0.00
Spiked Amount 75.000	Range 63 - 127		Recovery = 10.64%#			
73) d14-p-terphenyl	20.54	244	260511	8.14	ug/ml	0.00
Spiked Amount 50.000	Range 33 - 132		Recovery = 16.28%#			
Target Compounds						Qvalue
2) Pyridine	1.54	79	127271	3.58	ug/ml	99
3) N-nitrosodimethylamine	1.51	42	90371	4.31	ug/ml	93
6) Aniline	5.22	93	136928	4.33	ug/ml	95
7) Phenol	5.50	94	218117	9.22	ug/ml	96
8) 2-Chlorophenol	5.54	128	179376	8.06	ug/ml	99
9) bis(2-chloroethyl) ether	5.33	93	90211	3.69	ug/ml	92
10) 1,3-Dichlorobenzene	5.71	146	91830	3.91	ug/ml	99
11) 1,4-Dichlorobenzene	5.83	146	96654	4.05	ug/ml	90
12) 1,2-Dichlorobenzene	6.24	146	91731	4.13	ug/ml	98
13) Benzyl Alcohol	6.22	108	44672	3.67	ug/ml	96
14) 2-Methylphenol	6.70	108	152548	8.32	ug/ml	96
15) bis(2-chloroisopropyl)ethe	6.52	45	174762	3.97	ug/ml	99
16) 3+4-Methylphenol	7.04	108	151891	7.90	ug/ml	97
17) Hexachloroethane	6.91	117	38319	4.08	ug/ml	99
18) N-nitroso-di-n-propylamine	6.85	70	72095	4.64	ug/ml	96
21) Nitrobenzene	7.17	123	45282	3.93	ug/ml	95
22) Isophorone	7.70	82	168479	4.55	ug/ml	99
23) 2-Nitrophenol	7.91	139	101673	7.97	ug/ml	99
24) 2,4-Dimethylphenol	8.20	107	154193	8.29	ug/ml	99
25) Bis(2-chloroethoxy)methane	8.28	93	103365	4.12	ug/ml	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47091SI.D Vial: 3
Acq On : 26 Apr 2006 1:07 pm Operator:
Sample : S6744 PT2A 4/8 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 19:59 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:58:34 2006
Response via : Initial Calibration
DataAcq Meth : ABN

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26)	2,4-Dichlorophenol	8.65	162	117717	7.94 ug/ml	99
27)	Benzoic Acid	8.57	105	59563	8.55 ug/ml	98
28)	1,2,4-Trichlorobenzene	8.64	180	62877	4.12 ug/ml	98
29)	Naphthalene	8.77	128	225146	4.12 ug/ml	100
30)	2,6-Dichlorophenol	9.07	162	123617	8.42 ug/ml	97
31)	4-Chloroaniline	9.03	127	101438	4.14 ug/ml	97
32)	Hexachlorobutadiene	9.22	225	40239	4.29 ug/ml	96
33)	4-Chloro-3-methylphenol	10.51	107	126172	8.17 ug/ml	99
34)	2-Methylnaphthalene	10.44	141	121198	3.83 ug/ml	92
36)	Hexachlorocyclopentadiene	11.00	237	11834	2.34 ug/ml	98
37)	2,4,6-Trichlorophenol	11.32	196	77254	7.94 ug/ml	99
38)	2,4,5-Trichlorophenol	11.61	196	82181	8.04 ug/ml	96
40)	2-Chloronaphthalene	11.62	162	128792	4.22 ug/ml	98
41)	2-Nitroaniline	12.04	138	56955	4.01 ug/ml	98
42)	2,6-Dinitrotoluene	12.73	165	34206	4.34 ug/ml	94
43)	Dimethyl Phthalate	12.56	163	146698	4.62 ug/ml	99
44)	Acenaphthylene	12.64	152	203499	4.15 ug/ml	99
45)	3-Nitroaniline	13.07	138	43134	3.91 ug/ml	90
46)	Acenaphthene	13.09	154	113169	4.04 ug/ml	96
47)	2,4-dinitrophenol	13.34	184	18242m	5.50 ug/ml	
48)	Dibenzofuran	13.48	168	169951	4.18 ug/ml	99
49)	4-Nitrophenol	14.10	109	29217	9.05 ug/ml	85
50)	2,4-Dinitrotoluene	13.68	165	42413	4.23 ug/ml	98
51)	2,3,4,6-Tetrachlorophenol	14.01	232	53756	7.19 ug/ml	96
52)	Fluorene	14.31	166	129045	4.04 ug/ml	94
53)	Diethyl Phthalate	14.29	149	153627	4.59 ug/ml	100
54)	4-Chlorophenyl phenyl eth	14.36	204	66165	4.16 ug/ml	96
55)	4-Nitroaniline	14.58	138	44122	4.68 ug/ml	99
56)	4,6-Dinitro-2-methylphenol	14.66	198	42001	7.78 ug/ml	100
57)	n-nitrosodiphenylamine	14.70	169	91102	4.71 ug/ml	90
58)	Azobenzene	14.74	77	204199	4.09 ug/ml#	91
59)	Biphenyl	11.62	154	161654	4.14 ug/ml	98
62)	4-bromophenyl phenyl ether	15.54	248	38041	3.86 ug/ml	96
63)	Hexachlorobenzene	15.86	284	44311	3.99 ug/ml	94
64)	Pentachlorophenol	16.40	266	32729m	5.58 ug/ml	
65)	Phenanthrene	16.64	178	178179	3.99 ug/ml	100
66)	Anthracene	16.74	178	178822	4.21 ug/ml	99
67)	Carbazole	17.23	167	169417	4.56 ug/ml	99
68)	Di-n-butyl phthalate	18.25	149	256905	4.16 ug/ml	98
69)	Fluoranthene	19.54	202	187630	4.26 ug/ml	99
70)	Benzidine	19.96	184	84509	7.66 ug/ml	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47091SI.D Vial: 3
Acq On : 26 Apr 2006 1:07 pm Operator:
Sample : S6744 PT2A 4/8 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 19:59 2006 Quant Results File: S04266.RES

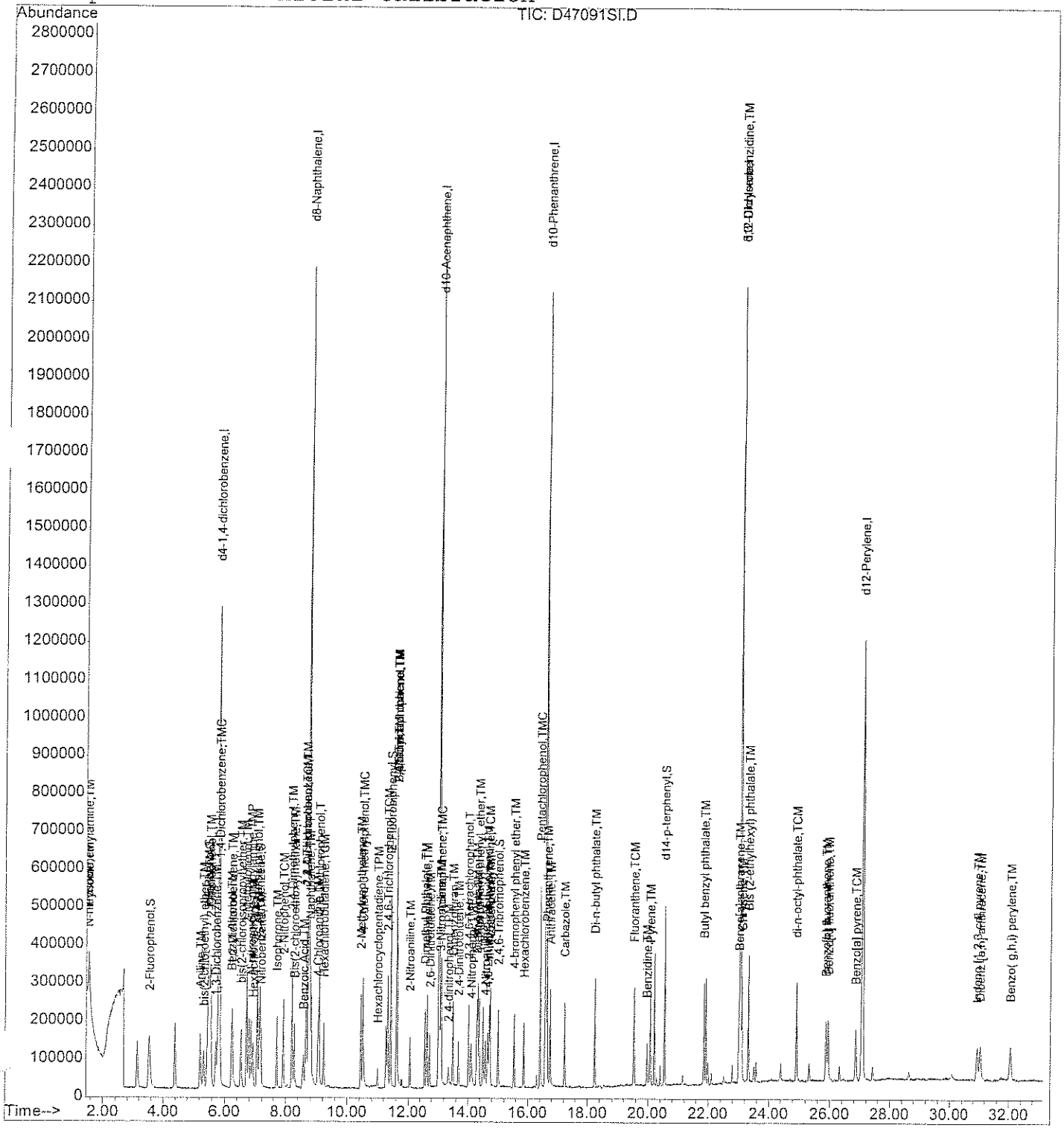
Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:58:34 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
72) Pyrene	20.07	202	190276	3.96 ug/ml	99
74) Butyl benzyl phthalate	21.86	149	111993	3.84 ug/ml	99
75) Benzo[a]anthracene	23.00	228	170768	3.95 ug/ml	99
76) Chrysene	23.10	228	158457	4.02 ug/ml	98
77) 3,3'-Dichlorobenzidine	23.04	252	56916	3.63 ug/ml#	95
78) Bis (2-ethylhexyl) phthala	23.31	149	144081	3.61 ug/ml	97
80) di-n-octyl-phthalate	24.90	149	246983	4.06 ug/ml#	100
81) Benzo[b] fluoranthene	25.87	252	149552	4.41 ug/ml	98
82) Benzo[k] fluoranthene	25.94	252	143130	3.88 ug/ml	100
83) Benzo[a] pyrene	26.86	252	134881	4.44 ug/ml	98
84) Indeno [1,2,3-cd] pyrene	30.92	276	126069	4.06 ug/ml	100
85) Dibenz [a,h] anthracene	31.05	278	123888	4.50 ug/ml#	88
86) Benzo(g,h,i) perylene	32.04	276	127539	4.46 ug/ml	97

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042606-D\D47091SI.D Vial: 3
Acq On : 26 Apr 2006 1:07 pm Operator:
Sample : S6744 PT2A 4/8 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 19:59 2006 Quant Results File: S04266.RES

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:58:34 2006
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47091SI.D Vial: 3
Acq On : 26 Apr 2006 1:07 pm Operator:
Sample : S6744 PT2A 4/8 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 19:58 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:58:34 2006
Response via : Multiple Level Calibration

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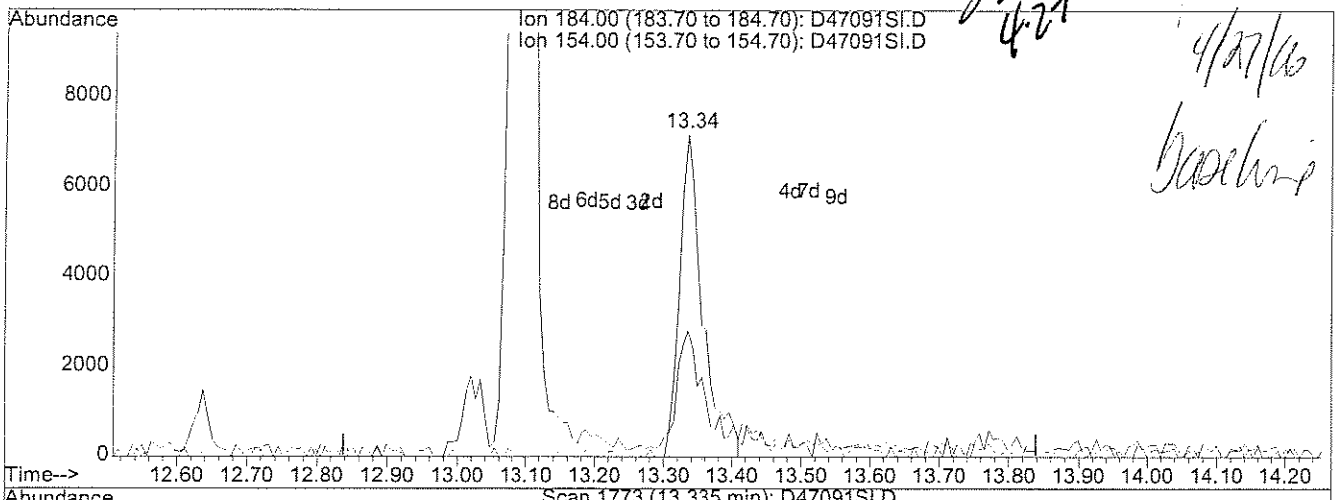

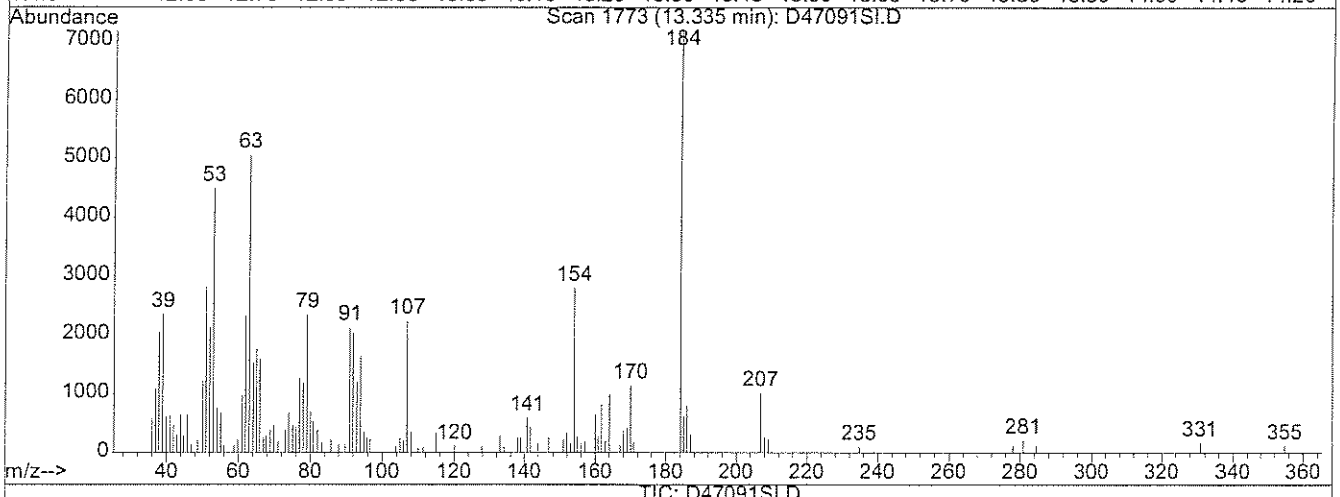

(47) 2,4-dinitrophenol (TPM)

13.34min 5.11ug/ml

response 16951

Ion	Exp%	Act%
184.00	100	100
154.00	40.00	39.90
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47091SI.D
Acq On : 26 Apr 2006 1:07 pm
Sample : S6744 PT2A 4/8
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 19:59 2006

Vial: 3
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Multiple Level Calibration

4.27.06

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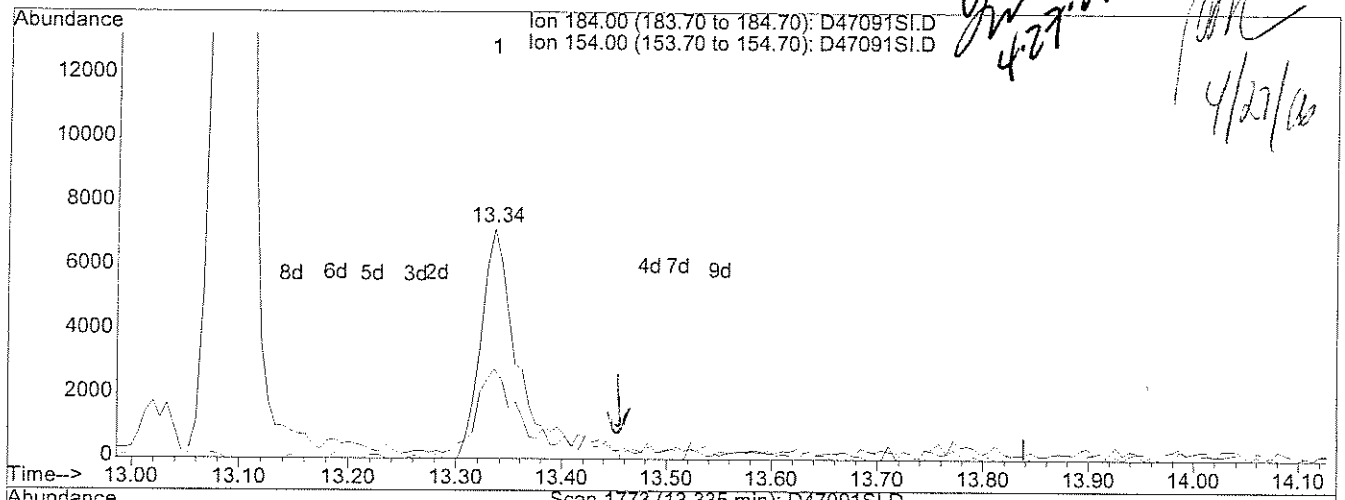

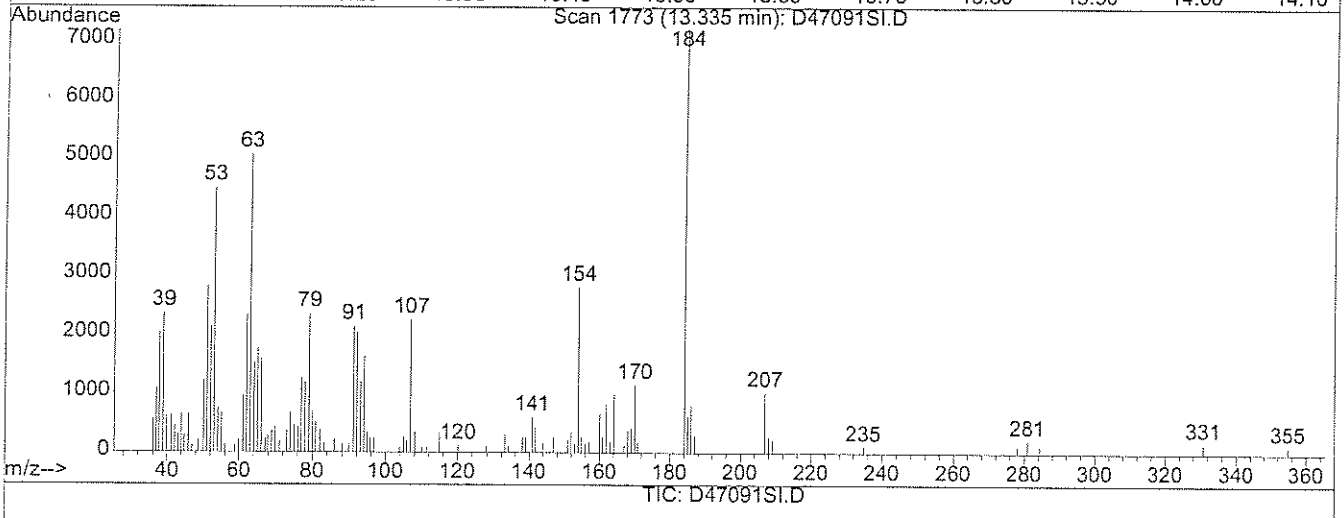

(47) 2,4-dinitrophenol (TPM)

13.34min 5.50ug/ml m

response 18242

Ion	Exp%	Act%
184.00	100	100
154.00	40.00	37.08
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47091SI.D
Acq On : 26 Apr 2006 1:07 pm
Sample : S6744 PT2A 4/8
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 19:59 2006

Vial: 3
Operator:
Inst : D Instru
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:58:34 2006
Response via : Multiple Level Calibration

4-27-06

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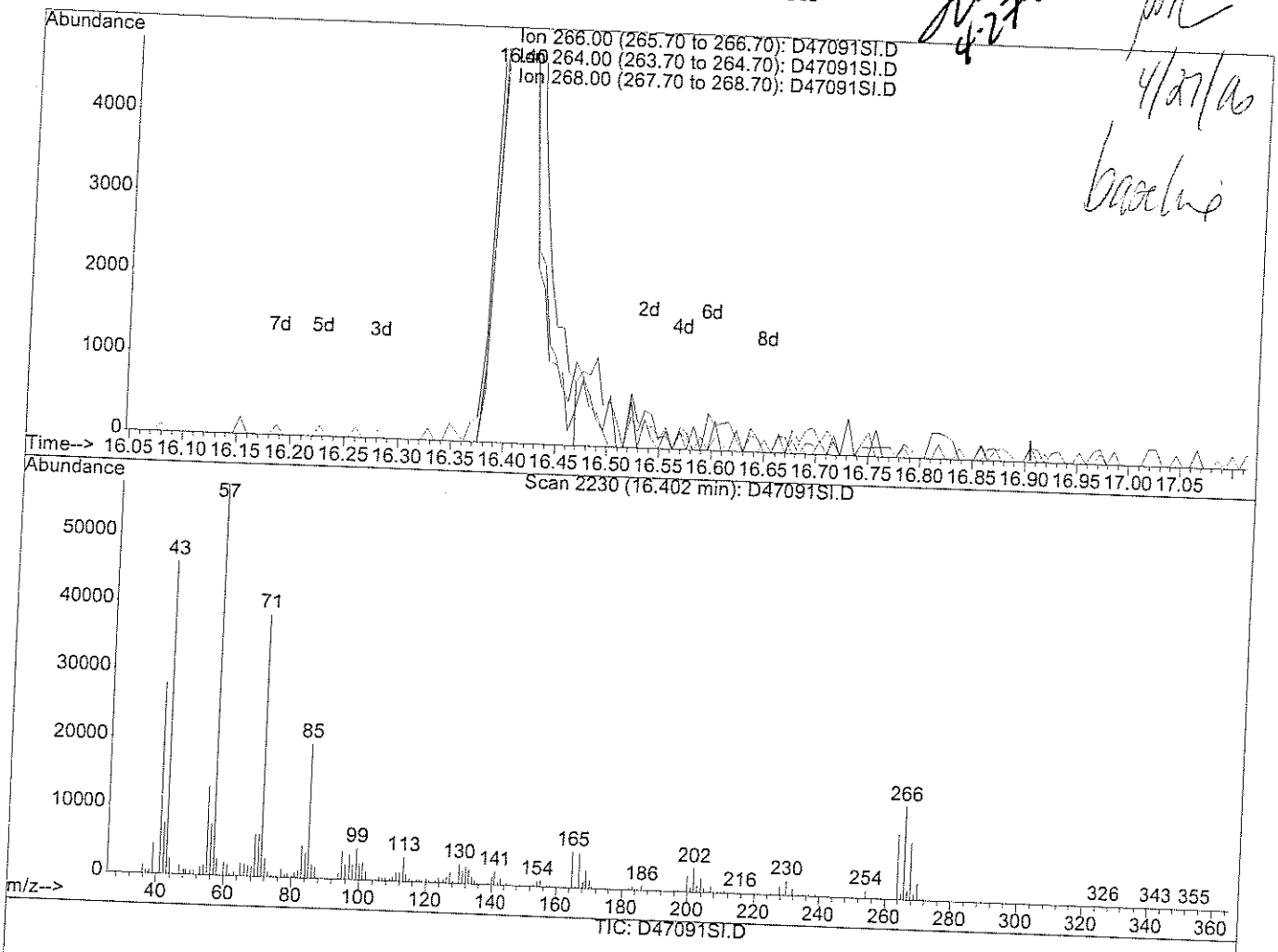
baseline



(64) Pentachlorophenol (TMC)

16.40min 5.29ug/ml

response 31000

Ion	Exp%	Act%
266.00	100	100
264.00	61.90	61.01
268.00	62.80	57.94
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47091SI.D
Acq On : 26 Apr 2006 1:07 pm
Sample : S6744 PT2A 4/8
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 19:59 2006

Vial: 3
Operator:
Inst : D Instru
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:58:34 2006
Response via : Multiple Level Calibration

4.27.06

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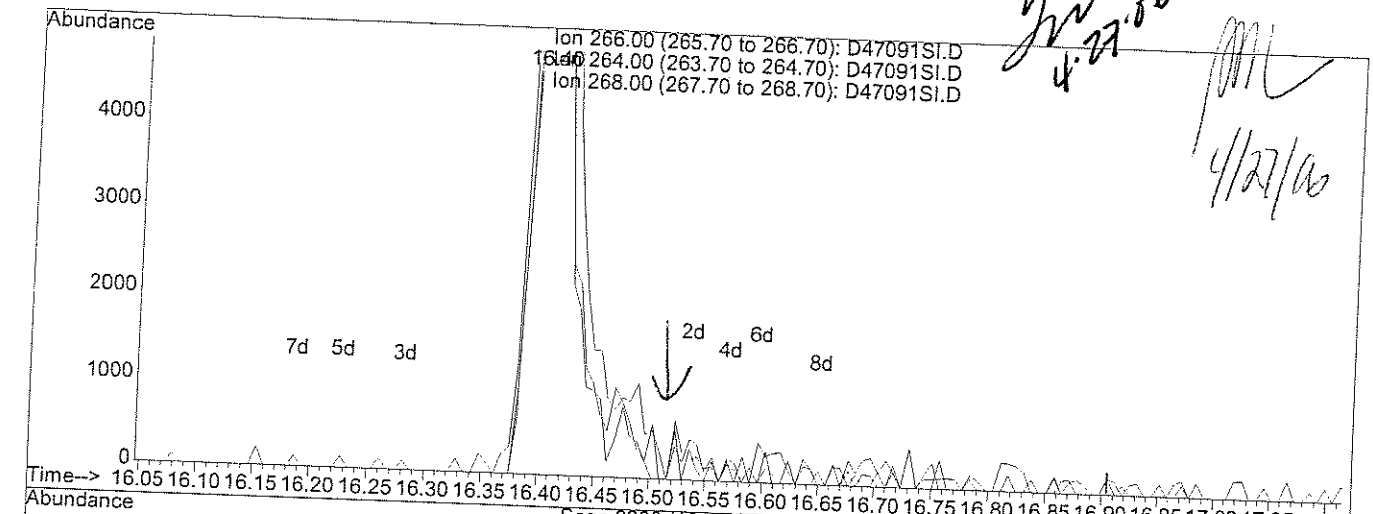
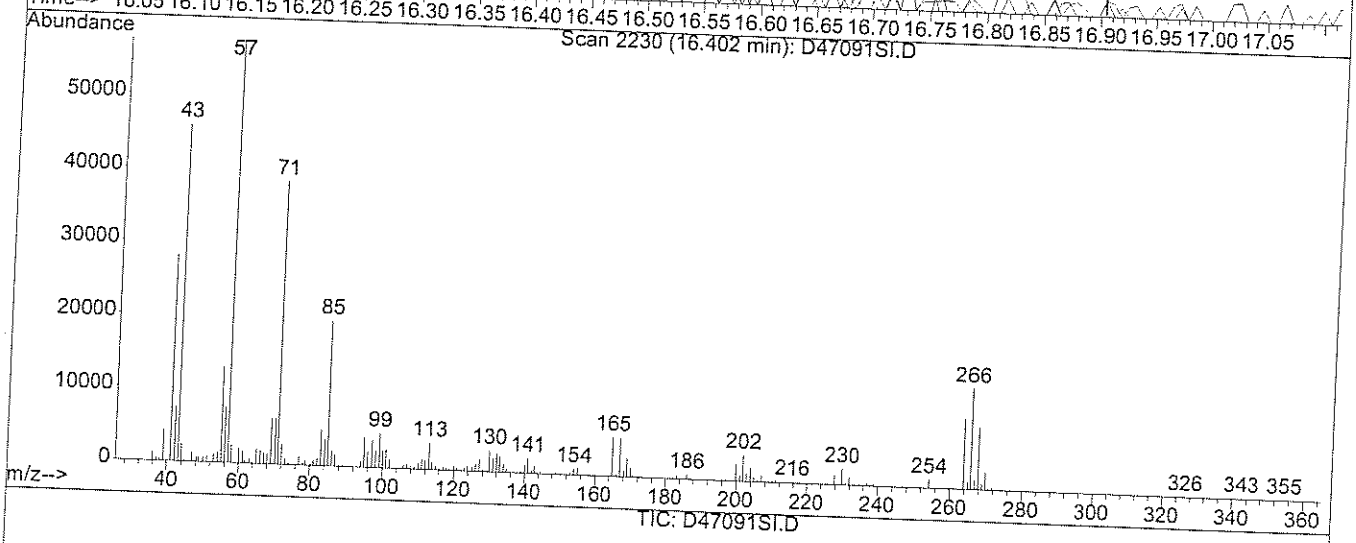




TIC: D47091SI.D

(64) Pentachlorophenol (TMC)

16.40min 5.58ug/ml m

response 32729

Ion	Exp%	Act%
266.00	100	100
264.00	61.90	57.78
268.00	62.80	54.88
0.00	0.00	0.00

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47092SI.D
Acq On : 26 Apr 2006 1:40 pm
Sample : S6743 PT2 10/20
Misc :
Integration Params: RTEINT.P
Quant Time: Apr 26 19:18 2006

Vial: 4
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4.27.06

4/27/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.79	152	614180	40.00	ug/ml	0.00
19) d8-Naphthalene	8.73	136	2177123	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.03	164	1048855	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.60	188	1710050	40.00	ug/ml	0.00
71) d12-Chrysene	23.05	240	1521820	40.00	ug/ml	0.00
79) d12-Perylene	27.09	264	1292926	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.53	112	424715	19.97	ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 26.63%#			
5) d5-Phenol	5.45	99	548719	23.72	ug/ml	0.02
Spiked Amount 75.000	Range 22 - 110		Recovery = 31.63%			
20) d5-nitrobenzene	7.12	82	515871	20.89	ug/ml	0.00
Spiked Amount 50.000	Range 45 - 107		Recovery = 41.78%#			
39) 2-Fluorobiphenyl	11.42	172	694160	20.58	ug/ml	0.00
Spiked Amount 50.000	Range 44 - 102		Recovery = 41.16%#			
60) 2,4,6-Tribromophenol	15.01	330	125373	19.91	ug/ml	0.00
Spiked Amount 75.000	Range 63 - 127		Recovery = 26.55%#			
73) d14-p-terphenyl	20.55	244	666718	20.11	ug/ml	0.00
Spiked Amount 50.000	Range 33 - 132		Recovery = 40.22%			
Target Compounds						Qvalue
2) Pyridine	1.55	79	345126	9.64	ug/ml	97
3) N-nitrosodimethylamine	1.53	42	210875	9.99	ug/ml	97
6) Aniline	5.22	93	336409	10.56	ug/ml	97
7) Phenol	5.48	94	573705	24.07	ug/ml	100
8) 2-Chlorophenol	5.54	128	447572	19.97	ug/ml	99
9) bis(2-chloroethyl) ether	5.32	93	241548	9.81	ug/ml	100
10) 1,3-Dichlorobenzene	5.71	146	230294	9.72	ug/ml	99
11) 1,4-Dichlorobenzene	5.83	146	238763	9.94	ug/ml	99
12) 1,2-Dichlorobenzene	6.24	146	221568	9.91	ug/ml	99
13) Benzyl Alcohol	6.22	108	120264	9.82	ug/ml	92
14) 2-Methylphenol	6.69	108	371705	20.12	ug/ml	100
15) bis(2-chloroisopropyl)ethe	6.52	45	452337	10.20	ug/ml	99
16) 3+4-Methylphenol	7.04	108	389903	20.14	ug/ml	99
17) Hexachloroethane	6.91	117	94717	10.01	ug/ml	100
18) N-nitroso-di-n-propylamine	6.85	70	185169	11.82	ug/ml	100
21) Nitrobenzene	7.17	123	119182	10.24	ug/ml	96
22) Isophorone	7.70	82	442551	11.84	ug/ml	100
23) 2-Nitrophenol	7.91	139	272785	21.18	ug/ml	99
24) 2,4-Dimethylphenol	8.19	107	393489	20.97	ug/ml	98
25) Bis(2-chloroethoxy)methane	8.28	93	272394	10.74	ug/ml	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47092SI.D
Acq On : 26 Apr 2006 1:40 pm
Sample : S6743 PT2 10/20
Misc :
Vial: 4
Operator:
Inst : D Instrum
Multiplr: 1.00

Integration Params: RTEINT.P
Quant Time: Apr 26 19:18 2006

Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 2,4-Dichlorophenol	8.65	162	304757	20.36 ug/ml	92
27) Benzoic Acid	8.64	105	210941	30.00 ug/ml	97
28) 1,2,4-Trichlorobenzene	8.65	180	158824	10.30 ug/ml	99
29) Naphthalene	8.77	128	580300	10.53 ug/ml	100
30) 2,6-Dichlorophenol	9.07	162	309792	20.89 ug/ml	100
31) 4-Chloroaniline	9.04	127	259705	10.51 ug/ml	99
32) Hexachlorobutadiene	9.22	225	96531	10.19 ug/ml	99
33) 4-Chloro-3-methylphenol	10.50	107	332668	21.33 ug/ml	96
34) 2-Methylnaphthalene	10.44	141	304147	9.53 ug/ml	90
36) Hexachlorocyclopentadiene	11.00	237	46122	8.60 ug/ml	98
37) 2,4,6-Trichlorophenol	11.32	196	205845	20.01 ug/ml	99
38) 2,4,5-Trichlorophenol	11.60	196	210787	19.50 ug/ml	98
40) 2-Chloronaphthalene	11.62	162	323890	10.04 ug/ml	99
41) 2-Nitroaniline	12.05	138	152726	10.18 ug/ml	99
42) 2,6-Dinitrotoluene	12.73	165	93323	11.18 ug/ml	97
43) Dimethyl Phthalate	12.57	163	375394	11.18 ug/ml	99
44) Acenaphthylene	12.64	152	521373	10.06 ug/ml	100
45) 3-Nitroaniline	13.07	138	119540	10.24 ug/ml	98
46) Acenaphthene	13.10	154	300445	10.15 ug/ml	99
47) 2,4-dinitrophenol	13.33	184	75204	21.42 ug/ml	96
48) Dibenzofuran	13.48	168	432533	10.06 ug/ml	99
49) 4-Nitrophenol	14.07	109	79171	23.19 ug/ml	93
50) 2,4-Dinitrotoluene	13.68	165	123732	11.67 ug/ml	97
51) 2,3,4,6-Tetrachlorophenol	14.01	232	159940	20.23 ug/ml	99
52) Fluorene	14.32	166	345481	10.23 ug/ml	99
53) Diethyl Phthalate	14.30	149	395585	11.18 ug/ml	100
54) 4-Chlorophenyl phenyl eth	14.36	204	169230	10.06 ug/ml	99
55) 4-Nitroaniline	14.59	138	117402	11.79 ug/ml	98
56) 4,6-Dinitro-2-methylphenol	14.67	198	133726	23.41 ug/ml	100
57) n-nitrosodiphenylamine	14.71	169	231648	11.32 ug/ml	99
58) Azobenzene	14.75	77	528831	10.02 ug/ml#	91
59) Biphenyl	11.62	154	421524	10.21 ug/ml	99
62) 4-bromophenyl phenyl ether	15.54	248	100262	10.00 ug/ml	95
63) Hexachlorobenzene	15.86	284	114512	10.16 ug/ml	99
64) Pentachlorophenol	16.41	266	107951	18.12 ug/ml	99
65) Phenanthrene	16.64	178	439821	9.70 ug/ml	99
66) Anthracene	16.75	178	455603	10.55 ug/ml	98
67) Carbazole	17.24	167	441916	11.69 ug/ml	100
68) Di-n-butyl phthalate	18.25	149	684142	10.91 ug/ml	99
69) Fluoranthene	19.54	202	486050	10.86 ug/ml	100
70) Benzidine	19.97	184	143093	12.76 ug/ml	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47092SI.D
Acq On : 26 Apr 2006 1:40 pm
Sample : S6743 PT2 10/20
Misc :
Vial: 4
Operator:
Inst : D Instrum
Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 19:18 2006
Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
72) Pyrene	20.07	202	497247	9.98 ug/ml	100
74) Butyl benzyl phthalate	21.86	149	302640	10.02 ug/ml	99
75) Benzo[a]anthracene	23.00	228	443282	9.90 ug/ml	99
76) Chrysene	23.11	228	415269	10.16 ug/ml	99
77) 3,3'-Dichlorobenzidine	23.05	252	158067	9.73 ug/ml	99
78) Bis (2-ethylhexyl) phthala	23.31	149	403006	9.75 ug/ml	100
80) di-n-octyl-phthalate	24.90	149	662277	10.66 ug/ml	100
81) Benzo[b] fluoranthene	25.88	252	405070	11.71 ug/ml	99
82) Benzo[k] fluoranthene	25.95	252	372548	9.89 ug/ml	97
83) Benzo[a] pyrene	26.86	252	354500	11.43 ug/ml	98
84) Indeno [1,2,3-cd] pyrene	30.95	276	340778	10.75 ug/ml	97
85) Dibenz [a,h] anthracene	31.06	278	318403	11.32 ug/ml	100
86) Benzo(g,h,i) perylene	32.08	276	346709	11.88 ug/ml	100

(#) = qualifier out of range (m) = manual integration

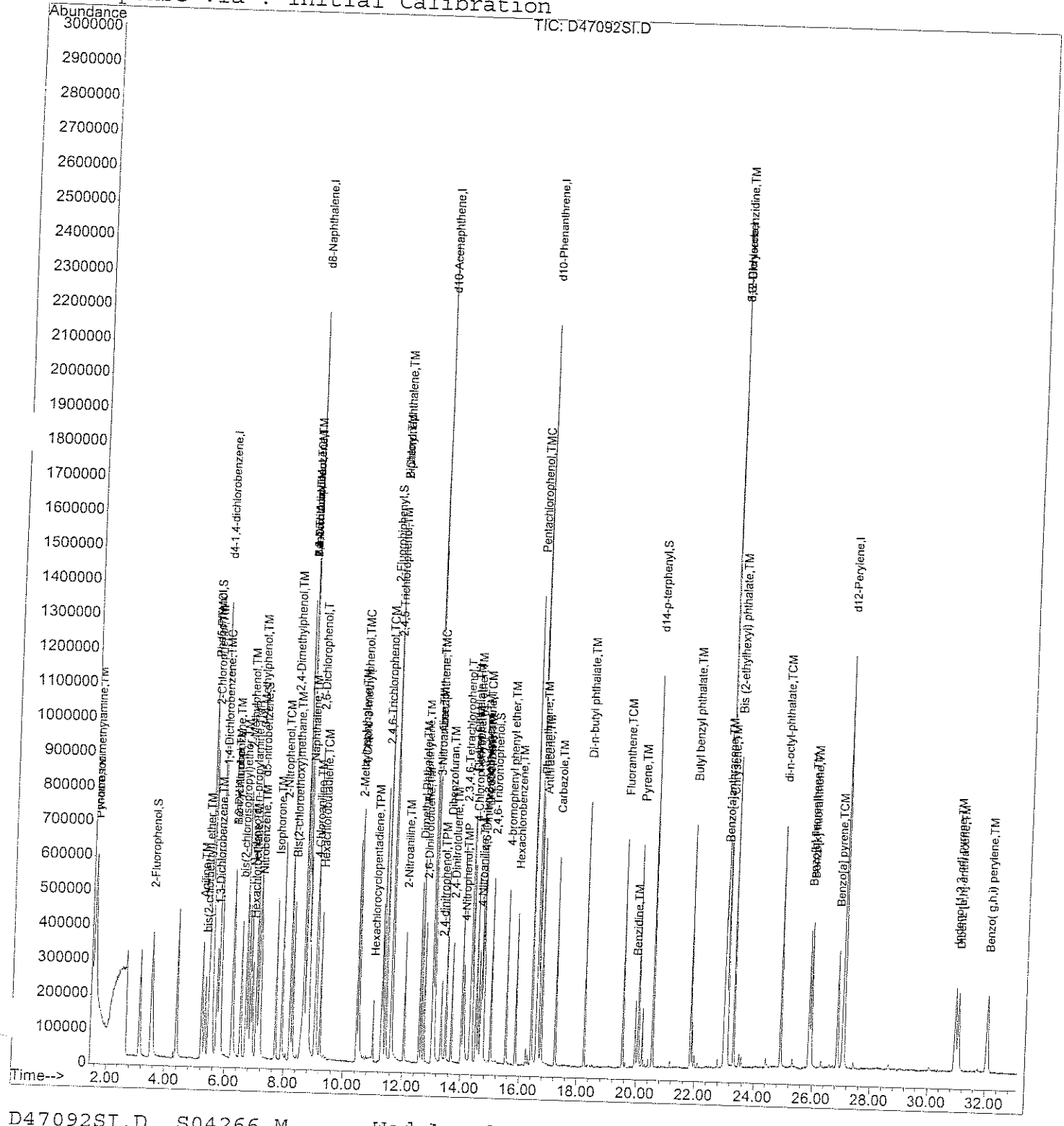
Quantitation Report

Data File : D:\HPCHEM\1\DATA\042606-D\D47092SI.D
Acq On : 26 Apr 2006 1:40 pm
Sample : S6743 PT2 10/20
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 19:18 2006

Vial: 4
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: S04266.RES

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:58:34 2006
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47093SI.D
Acq On : 26 Apr 2006 2:13 pm
Sample : S6761 PT3 20/40
Misc :
Integration Params: RTEINT.P
Quant Time: Apr 26 19:18 2006

Vial: 5
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4-27-06

4/27/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.80	152	585433	40.00	ug/ml	0.00
19) d8-Naphthalene	8.73	136	2158490	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.03	164	995667	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.60	188	1671289	40.00	ug/ml	0.00
71) d12-Chrysene	23.06	240	1531996	40.00	ug/ml	0.00
79) d12-Perylene	27.09	264	1356805	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.53	112	842444	41.56	ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 55.41%			
5) d5-Phenol	5.43	99	1097228	49.77	ug/ml	0.00
Spiked Amount 75.000	Range 22 - 110		Recovery = 66.36%			
20) d5-nitrobenzene	7.13	82	992439	40.53	ug/ml	0.00
Spiked Amount 50.000	Range 45 - 107		Recovery = 81.06%			
39) 2-Fluorobiphenyl	11.43	172	1313529	41.02	ug/ml	0.00
Spiked Amount 50.000	Range 44 - 102		Recovery = 82.04%			
60) 2,4,6-Tribromophenol	15.01	330	245658	41.09	ug/ml	0.00
Spiked Amount 75.000	Range 63 - 127		Recovery = 54.79%#			
73) d14-p-terphenyl	20.56	244	1350759	40.48	ug/ml	0.00
Spiked Amount 50.000	Range 33 - 132		Recovery = 80.96%			
Target Compounds						Qvalue
2) Pyridine	1.53	79	682651	20.01	ug/ml	100
3) N-nitrosodimethylamine	1.52	42	416439	20.70	ug/ml	100
6) Aniline	5.22	93	576638	18.98	ug/ml	100
7) Phenol	5.46	94	1123952	49.46	ug/ml	100
8) 2-Chlorophenol	5.53	128	887404	41.55	ug/ml	100
9) bis(2-chloroethyl) ether	5.33	93	474973	20.24	ug/ml	100
10) 1,3-Dichlorobenzene	5.71	146	467989	20.73	ug/ml	100
11) 1,4-Dichlorobenzene	5.83	146	467916	20.44	ug/ml	100
12) 1,2-Dichlorobenzene	6.24	146	445186	20.88	ug/ml	100
13) Benzyl Alcohol	6.22	108	252299	21.61	ug/ml	100
14) 2-Methylphenol	6.69	108	725695	41.21	ug/ml	100
15) bis(2-chloroisopropyl)ethe	6.53	45	886801	20.97	ug/ml	100
16) 3+4-Methylphenol	7.04	108	774868	42.00	ug/ml	100
17) Hexachloroethane	6.91	117	186194	20.64	ug/ml	100
18) N-nitroso-di-n-propylamine	6.86	70	354711	23.75	ug/ml	100
21) Nitrobenzene	7.18	123	236595	20.50	ug/ml	100
22) Isophorone	7.71	82	855019	23.07	ug/ml	100
23) 2-Nitrophenol	7.92	139	516079	40.42	ug/ml	100
24) 2,4-Dimethylphenol	8.20	107	746524	40.12	ug/ml	100
25) Bis(2-chloroethoxy)methane	8.28	93	511239	20.34	ug/ml	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47093SI.D
Acq On : 26 Apr 2006 2:13 pm
Sample : S6761 PT3 20/40
Misc :
Vial: 5
Operator:
Inst : D Instrum
Multiplr: 1.00

Integration Params: RTEINT.P
Quant Time: Apr 26 19:18 2006

Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 2,4-Dichlorophenol	8.65	162	621675	41.89 ug/ml	100
27) Benzoic Acid	8.71	105	476278	68.31 ug/ml	100
28) 1,2,4-Trichlorobenzene	8.65	180	309602	20.26 ug/ml	100
29) Naphthalene	8.78	128	1135668	20.78 ug/ml	100
30) 2,6-Dichlorophenol	9.08	162	589617	40.11 ug/ml	100
31) 4-Chloroaniline	9.04	127	489841	19.99 ug/ml	100
32) Hexachlorobutadiene	9.22	225	195908	20.86 ug/ml	100
33) 4-Chloro-3-methylphenol	10.49	107	628439	40.64 ug/ml	100
34) 2-Methylnaphthalene	10.45	141	685785	21.67 ug/ml	100
36) Hexachlorocyclopentadiene	11.00	237	111965	22.01 ug/ml	100
37) 2,4,6-Trichlorophenol	11.32	196	398950	40.85 ug/ml	100
38) 2,4,5-Trichlorophenol	11.59	196	423275	41.24 ug/ml	100
40) 2-Chloronaphthalene	11.63	162	629141	20.54 ug/ml	100
41) 2-Nitroaniline	12.06	138	293522	20.60 ug/ml	100
42) 2,6-Dinitrotoluene	12.75	165	185603	23.43 ug/ml	100
43) Dimethyl Phthalate	12.57	163	726984	22.82 ug/ml	100
44) Acenaphthylene	12.65	152	1015062	20.64 ug/ml	100
45) 3-Nitroaniline	13.08	138	230006	20.76 ug/ml	100
46) Acenaphthene	13.10	154	576385	20.50 ug/ml	100
47) 2,4-dinitrophenol	13.34	184	182391	54.74 ug/ml	100
48) Dibenzofuran	13.49	168	835970	20.48 ug/ml	100
49) 4-Nitrophenol	14.04	109	183193	56.53 ug/ml	100
50) 2,4-Dinitrotoluene	13.69	165	238275	23.67 ug/ml	100
51) 2,3,4,6-Tetrachlorophenol	14.02	232	311602	41.51 ug/ml	100
52) Fluorene	14.33	166	665316	20.76 ug/ml	100
53) Diethyl Phthalate	14.31	149	787459	23.45 ug/ml	100
54) 4-Chlorophenyl phenyl eth	14.37	204	322684	20.21 ug/ml	100
55) 4-Nitroaniline	14.61	138	227345	24.04 ug/ml	100
56) 4,6-Dinitro-2-methylphenol	14.68	198	283605	52.31 ug/ml	100
57) n-nitrosodiphenylamine	14.72	169	434164	22.36 ug/ml	100
58) Azobenzene	14.75	77	995611	19.88 ug/ml	100
59) Biphenyl	11.63	154	810477	20.67 ug/ml	100
62) 4-bromophenyl phenyl ether	15.54	248	200255	20.44 ug/ml	100
63) Hexachlorobenzene	15.87	284	223567	20.29 ug/ml	100
64) Pentachlorophenol	16.42	266	243756	41.86 ug/ml	100
65) Phenanthrene	16.65	178	901161	20.34 ug/ml	100
66) Anthracene	16.76	178	895381	21.22 ug/ml	100
67) Carbazole	17.24	167	860849	23.31 ug/ml	100
68) Di-n-butyl phthalate	18.25	149	1318383	21.51 ug/ml	100
69) Fluoranthene	19.55	202	954167	21.81 ug/ml	100
70) Benzidine	19.97	184	88556	8.08 ug/ml	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47093SI.D Vial: 5
Acq On : 26 Apr 2006 2:13 pm Operator:
Sample : S6761 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 19:18 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
72) Pyrene	20.08	202	990089	19.74 ug/ml	100
74) Butyl benzyl phthalate	21.87	149	622946	20.48 ug/ml	100
75) Benzo[a]anthracene	23.01	228	884704	19.63 ug/ml	100
76) Chrysene	23.11	228	821530	19.96 ug/ml	100
77) 3,3'-Dichlorobenzidine	23.05	252	320117	19.58 ug/ml	100
78) Bis (2-ethylhexyl) phthala	23.32	149	818597	19.68 ug/ml	100
80) di-n-octyl-phthalate	24.92	149	1339011	20.54 ug/ml	100
81) Benzo[b] fluoranthene	25.90	252	837919	23.09 ug/ml	100
82) Benzo[k] fluoranthene	25.97	252	785030	19.85 ug/ml	100
83) Benzo[a] pyrene	26.88	252	752103	23.11 ug/ml	100
84) Indeno [1,2,3-cd] pyrene	30.98	276	720995	21.68 ug/ml	100
85) Dibenz [a,h] anthracene	31.09	278	701567	23.76 ug/ml	100
86) Benzo(g,h,i) perylene	32.12	276	738425	24.12 ug/ml	100

(#) = qualifier out of range (m) = manual integration

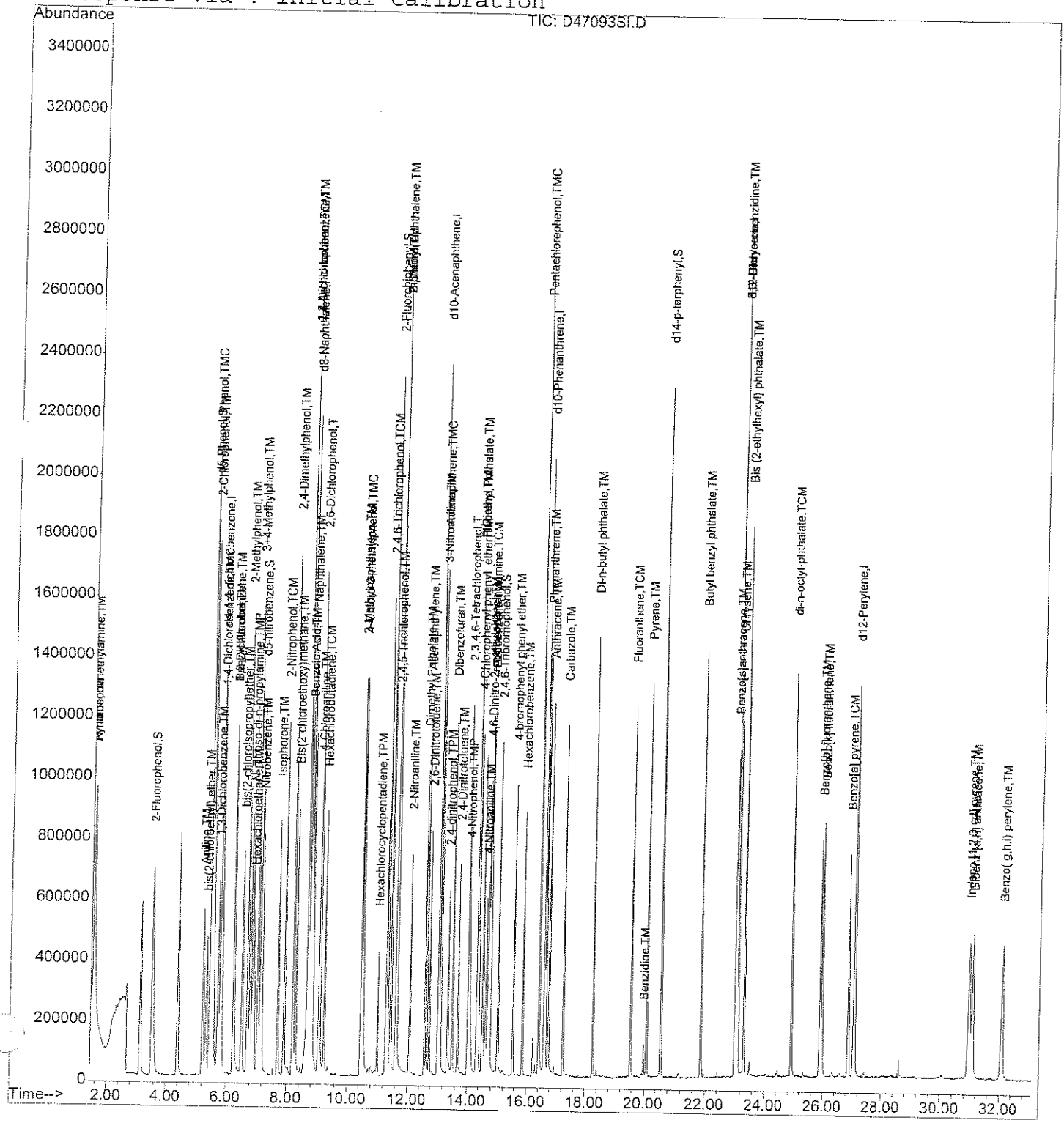
Quantitation Report

Data File : D:\HPCHEM\1\DATA\042606-D\D47093SI.D
Acq On : 26 Apr 2006 2:13 pm
Sample : S6761 PT3 20/40
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 19:18 2006

Vial: 5
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: S04266.RES

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:58:34 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47094SI.D
Acq On : 26 Apr 2006 3:20 pm
Sample : S6741 PT4A 40/80
Misc :
Integration Params: RTEINT.P
Quant Time: Apr 26 20:00 2006

Vial: 6
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4-27-06

4/27/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.80	152	612408	40.00	ug/ml	0.00
19) d8-Naphthalene	8.75	136	2270883	40.00	ug/ml	0.01
35) d10-Acenaphthene	13.04	164	1044376	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.61	188	1725519	40.00	ug/ml	0.00
71) d12-Chrysene	23.06	240	1282763	40.00	ug/ml	0.00
79) d12-Perylene	27.10	264	1198179	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.52	112	1752898	82.66	ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 110.21%#			
5) d5-Phenol	5.41	99	2154164	93.40	ug/ml	-0.03
Spiked Amount 75.000	Range 22 - 110		Recovery = 124.53%#			
20) d5-nitrobenzene	7.15	82	2053023	79.69	ug/ml	0.02
Spiked Amount 50.000	Range 45 - 107		Recovery = 159.38%#			
39) 2-Fluorobiphenyl	11.45	172	2647217	78.81	ug/ml	0.01
Spiked Amount 50.000	Range 44 - 102		Recovery = 157.62%#			
60) 2,4,6-Tribromophenol	15.03	330	515776	82.25	ug/ml	0.01
Spiked Amount 75.000	Range 63 - 127		Recovery = 109.67%			
73) d14-p-terphenyl	20.57	244	2328624	83.34	ug/ml	0.01
Spiked Amount 50.000	Range 33 - 132		Recovery = 166.68%#			
Target Compounds						Qvalue
2) Pyridine	1.53	79	1441922	40.40	ug/ml	100
3) N-nitrosodimethylamine	1.52	42	829825	39.43	ug/ml	97
6) Aniline	5.23	93	1257325	39.57	ug/ml	99
7) Phenol	5.43	94	2196814	92.42	ug/ml	99
8) 2-Chlorophenol	5.52	128	1802413	80.67	ug/ml	100
9) bis(2-chloroethyl) ether	5.35	93	930994	37.92	ug/ml	96
10) 1,3-Dichlorobenzene	5.72	146	962194	40.75	ug/ml	99
11) 1,4-Dichlorobenzene	5.84	146	973775	40.66	ug/ml	98
12) 1,2-Dichlorobenzene	6.24	146	897326	40.24	ug/ml	98
13) Benzyl Alcohol	6.24	108	535652	43.86	ug/ml	98
14) 2-Methylphenol	6.69	108	1471525	79.89	ug/ml	100
15) bis(2-chloroisopropyl)ethe	6.53	45	1748730	39.54	ug/ml	100
16) 3+4-Methylphenol	7.04	108	1553385	80.48	ug/ml	98
17) Hexachloroethane	6.92	117	376217	39.86	ug/ml	99
18) N-nitroso-di-n-propylamine	6.88	70	717358	45.92	ug/ml	99
21) Nitrobenzene	7.19	123	484969	39.94	ug/ml	97
22) Isophorone	7.73	82	1719893	44.11	ug/ml	99
23) 2-Nitrophenol	7.93	139	1082444	80.59	ug/ml	99
24) 2,4-Dimethylphenol	8.20	107	1544505	78.90	ug/ml	99
25) Bis(2-chloroethoxy)methane	8.30	93	1011547	38.25	ug/ml	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47094SI.D
Acq On : 26 Apr 2006 3:20 pm
Sample : S6741 PT4A 40/80
Misc :
Integration Params: RTEINT.P
Quant Time: Apr 26 20:00 2006

Vial: 6
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 2,4-Dichlorophenol	8.64	162	1255496	80.42 ug/ml	100
27) Benzoic Acid	8.81	105	1059360	144.43 ug/ml	96
28) 1,2,4-Trichlorobenzene	8.66	180	641628	39.91 ug/ml	98
29) Naphthalene	8.79	128	2252752	39.18 ug/ml	99
30) 2,6-Dichlorophenol	9.09	162	1219865	78.88 ug/ml	98
31) 4-Chloroaniline	9.06	127	998155	38.72 ug/ml	99
32) Hexachlorobutadiene	9.23	225	392436	39.72 ug/ml	99
33) 4-Chloro-3-methylphenol	10.48	107	1316172	80.91 ug/ml	97
34) 2-Methylnaphthalene	10.45	141	1391068	41.78 ug/ml#	34
36) Hexachlorocyclopentadiene	11.01	237	276885	51.88 ug/ml	98
37) 2,4,6-Trichlorophenol	11.33	196	827474	80.77 ug/ml	98
38) 2,4,5-Trichlorophenol	11.58	196	876696	81.43 ug/ml	99
40) 2-Chloronaphthalene	11.64	162	1282621	39.93 ug/ml	99
41) 2-Nitroaniline	12.07	138	599558	40.12 ug/ml	99
42) 2,6-Dinitrotoluene	12.75	165	378112	45.51 ug/ml	100
43) Dimethyl Phthalate	12.59	163	1473527	44.09 ug/ml	99
44) Acenaphthylene	12.65	152	2029749	39.34 ug/ml	100
45) 3-Nitroaniline	13.10	138	470944	40.53 ug/ml	98
46) Acenaphthene	13.12	154	1176656	39.91 ug/ml	99
47) 2,4-dinitrophenol	13.36	184	441559	126.33 ug/ml	93
48) Dibenzofuran	13.51	168	1700214	39.71 ug/ml	99
49) 4-Nitrophenol	14.02	109	374548	110.19 ug/ml	99
50) 2,4-Dinitrotoluene	13.70	165	488258	46.25 ug/ml	98
51) 2,3,4,6-Tetrachlorophenol	14.02	232	668433	84.89 ug/ml	98
52) Fluorene	14.34	166	1333830	39.68 ug/ml	99
53) Diethyl Phthalate	14.33	149	1541147	43.75 ug/ml	100
54) 4-Chlorophenyl phenyl eth	14.38	204	663461	39.61 ug/ml	96
55) 4-Nitroaniline	14.65	138	432658	43.62 ug/ml	93
56) 4,6-Dinitro-2-methylphenol	14.71	198	565726	99.47 ug/ml	99
57) n-nitrosodiphenylamine	14.74	169	906852	44.52 ug/ml	99
58) Azobenzene	14.77	77	2127097	40.49 ug/ml	92
59) Biphenyl	11.64	154	1609845	39.15 ug/ml	98
62) 4-bromophenyl phenyl ether	15.55	248	406081	40.14 ug/ml	96
63) Hexachlorobenzene	15.87	284	464359	40.82 ug/ml	98
64) Pentachlorophenol	16.42	266	545788	90.79 ug/ml	100
65) Phenanthrene	16.67	178	1803710	39.43 ug/ml	100
66) Anthracene	16.77	178	1735927	39.84 ug/ml	99
67) Carbazole	17.26	167	1628982	42.72 ug/ml	99
68) Di-n-butyl phthalate	18.26	149	2464170	38.95 ug/ml	100
69) Fluoranthene	19.56	202	1783115	39.48 ug/ml	100
70) Benzidine	19.97	184	281934	24.92 ug/ml	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47094SI.D
Acq On : 26 Apr 2006 3:20 pm
Sample : S6741 PT4A 40/80
Misc :
Integration Params: RTEINT.P
Quant Time: Apr 26 20:00 2006

Vial: 6
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
72) Pyrene	20.09	202	1802068	42.92 ug/ml	99
74) Butyl benzyl phthalate	21.87	149	1063744	41.77 ug/ml	100
75) Benzo[a]anthracene	23.01	228	1524546	40.40 ug/ml	99
76) Chrysene	23.13	228	1375910	39.92 ug/ml	99
77) 3,3'-Dichlorobenzidine	23.07	252	550137	40.20 ug/ml	99
78) Bis (2-ethylhexyl) phthala	23.32	149	1495339	42.94 ug/ml	99
80) di-n-octyl-phthalate	24.93	149	2361632	41.02 ug/ml	100
81) Benzo[b] fluoranthene	25.91	252	1523874	47.54 ug/ml	100
82) Benzo[k] fluoranthene	25.99	252	1373288	39.33 ug/ml	98
83) Benzo[a] pyrene	26.91	252	1324963	46.11 ug/ml	100
84) Indeno [1,2,3-cd] pyrene	31.02	276	1436746m	48.92 ug/ml	
85) Dibenz [a,h] anthracene	31.13	278	1213696	46.55 ug/ml	97
86) Benzo(g,h,i) perylene	32.16	276	1284864	47.52 ug/ml	100

(#) = qualifier out of range (m) = manual integration

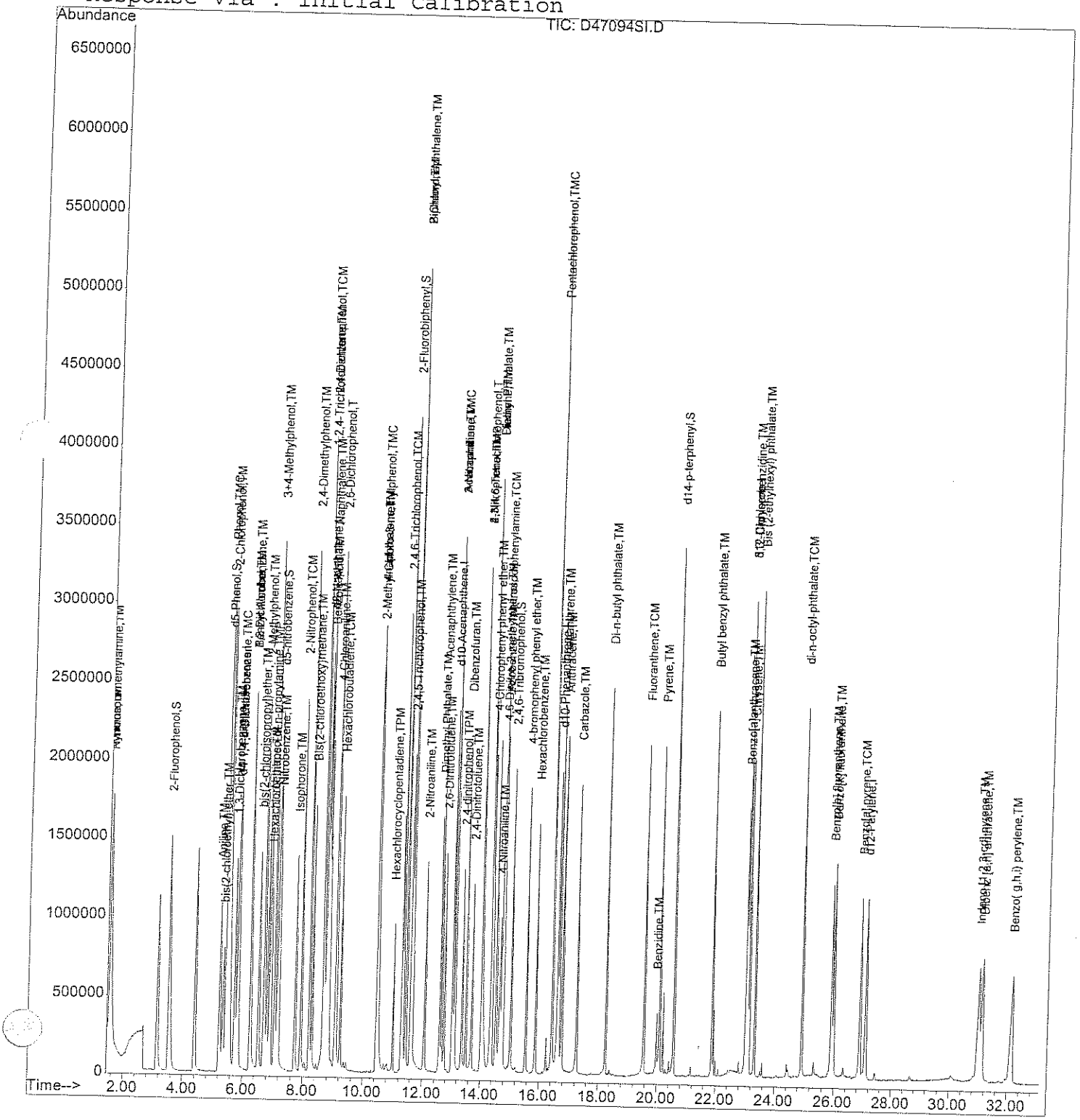
Quantitation Report

Data File : D:\HPCHEM\1\DATA\042606-D\D47094SI.D
Acq On : 26 Apr 2006 3:20 pm
Sample : S6741 PT4A 40/80
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:00 2006

Vial: 6
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: S04266.RES

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:49:30 2006
Response via : Initial Calibration



Quantitation Report (Qedit)

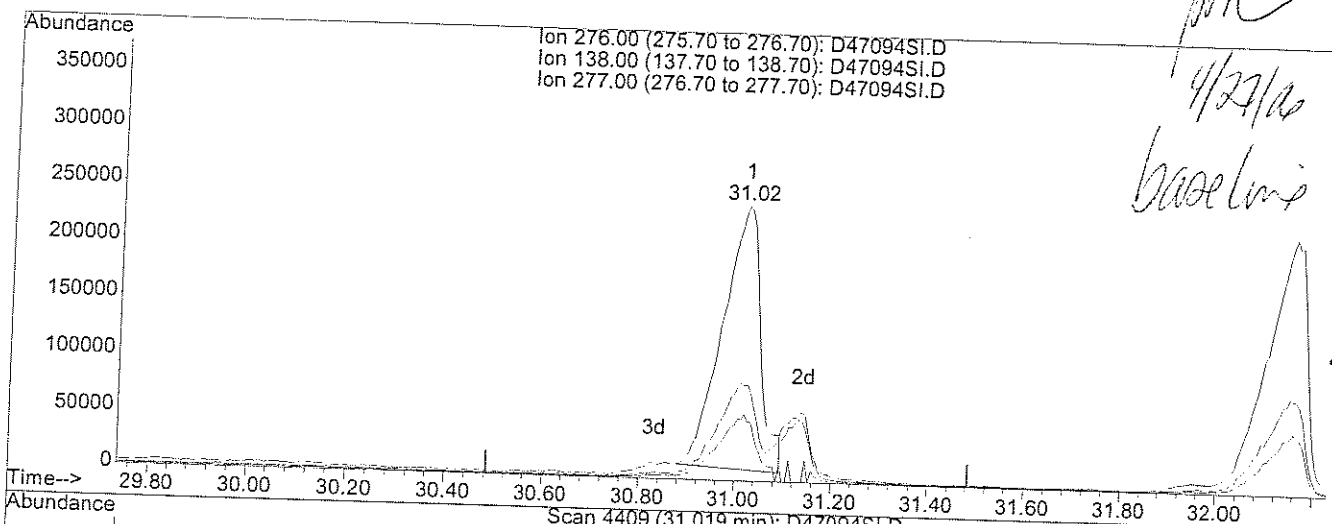
Data File : D:\HPCHEM\1\DATA\042606-D\D47094SI.D
Acq On : 26 Apr 2006 3:20 pm
Sample : S6741 PT4A 40/80
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 19:18 2006

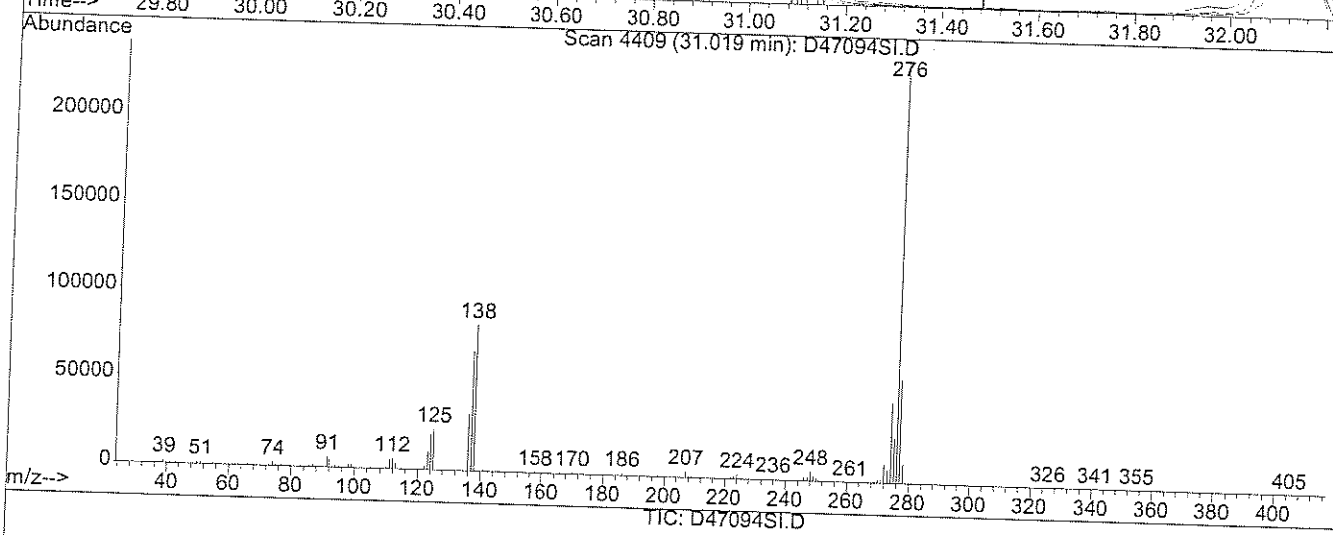
Vial: 6
Operator:
Inst : D Instru
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:58:34 2006
Response via : Multiple Level Calibration

4/27/06
baseline
4-27





(84) Indeno [1,2,3-cd] pyrene (TM)

31.02min 43.39ug/ml

response 1274352

Ion	Exp%	Act%
276.00	100	100
138.00	35.80	38.10
277.00	24.70	25.95
0.00	0.00	0.00

D47094SI.D S04266.M Wed Apr 26 20:00:47 2006

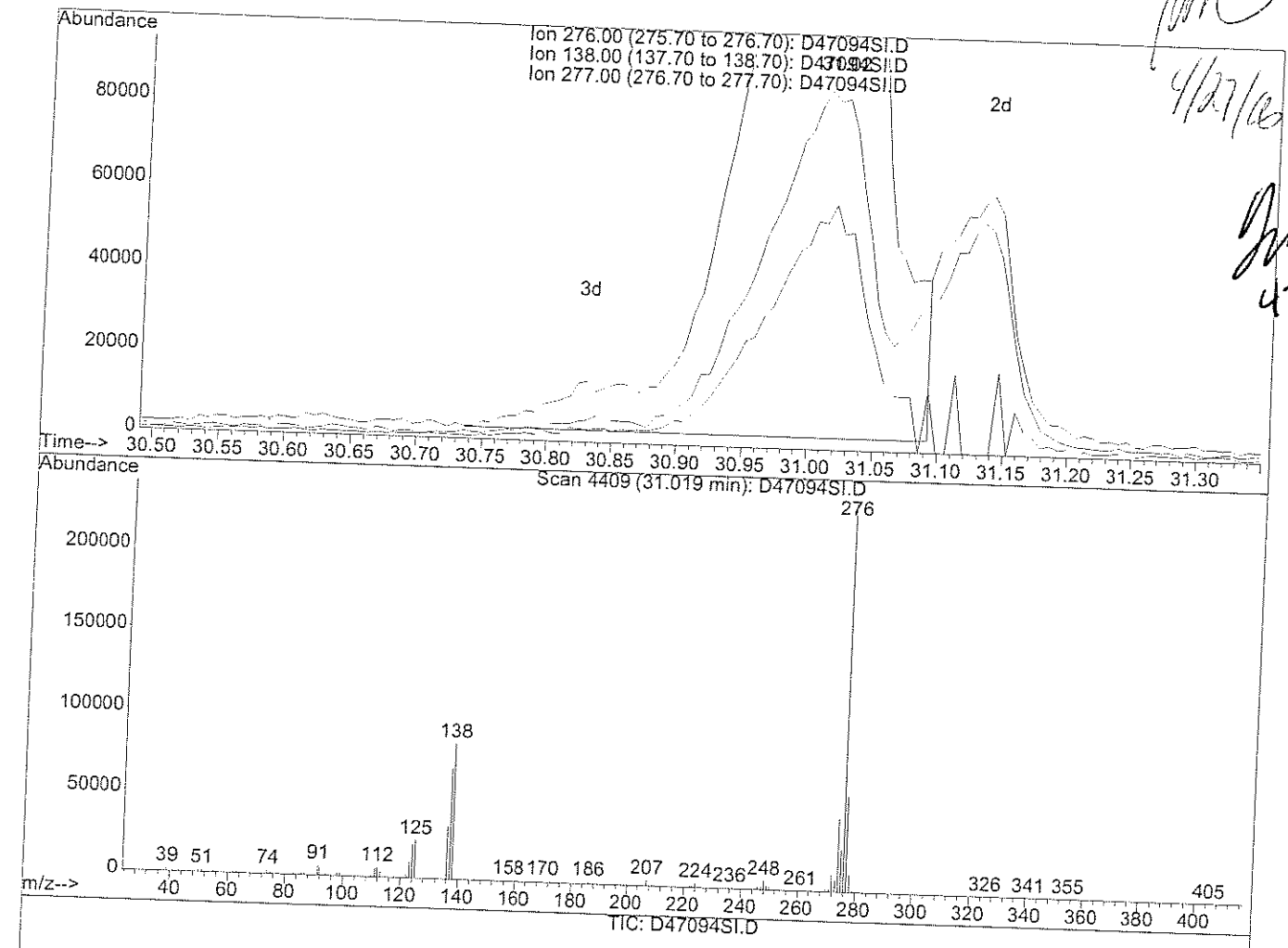
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47094SI.D
Acq On : 26 Apr 2006 3:20 pm
Sample : S6741 PT4A 40/80
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:00 2006

Vial: 6
Operator:
Inst : D Instru
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:58:34 2006
Response via : Multiple Level Calibration



(84) Indeno [1,2,3-cd] pyrene (TM)

31.02min 48.92ug/ml m

response 1436746

Ion	Exp%	Act%
276.00	100	100
138.00	35.80	33.79
277.00	24.70	23.01
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47095SI.D
Acq On : 26 Apr 2006 3:53 pm
Sample : S6740 PT4 50/100
Misc :
Integration Params: RTEINT.P
Quant Time: Apr 26 20:01 2006

Vial: 7
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4-27-06

4/27/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.81	152	562023	40.00	ug/ml	0.00
19) d8-Naphthalene	8.75	136	2016852	40.00	ug/ml	0.02
35) d10-Acenaphthene	13.04	164	964985	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.61	188	1582806	40.00	ug/ml	0.00
71) d12-Chrysene	23.06	240	1238077	40.00	ug/ml	0.00
79) d12-Perylene	27.10	264	1268180	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.52	112	1897788	97.51	ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 130.01%#			
5) d5-Phenol	5.41	99	2405449	113.64	ug/ml	-0.02
Spiked Amount 75.000	Range 22 - 110		Recovery = 151.52%#			
20) d5-nitrobenzene	7.16	82	2257709	98.68	ug/ml	0.03
Spiked Amount 50.000	Range 45 - 107		Recovery = 197.36%#			
39) 2-Fluorobiphenyl	11.45	172	2954371	95.19	ug/ml	0.02
Spiked Amount 50.000	Range 44 - 102		Recovery = 190.38%#			
60) 2,4,6-Tribromophenol	15.03	330	562313	97.05	ug/ml	0.02
Spiked Amount 75.000	Range 63 - 127		Recovery = 129.40%#			
73) d14-p-terphenyl	20.57	244	2621339	97.20	ug/ml	0.02
Spiked Amount 50.000	Range 33 - 132		Recovery = 194.40%#			
Target Compounds						Qvalue
2) Pyridine	1.54	79	1629272	49.74	ug/ml	96
3) N-nitrosodimethylamine	1.52	42	923384	47.81	ug/ml	97
6) Aniline	5.24	93	1399913	48.00	ug/ml	99
7) Phenol	5.44	94	2478789	113.63	ug/ml	100
8) 2-Chlorophenol	5.52	128	1957574	95.47	ug/ml	100
9) bis(2-chloroethyl) ether	5.35	93	1016365	45.11	ug/ml	95
10) 1,3-Dichlorobenzene	5.72	146	1052847	48.58	ug/ml	99
11) 1,4-Dichlorobenzene	5.84	146	1070911	48.72	ug/ml	99
12) 1,2-Dichlorobenzene	6.25	146	1003961	49.06	ug/ml	99
13) Benzyl Alcohol	6.24	108	588428	52.50	ug/ml	98
14) 2-Methylphenol	6.69	108	1665249	98.51	ug/ml	99
15) bis(2-chloroisopropyl)ethe	6.54	45	1961015	48.31	ug/ml	99
16) 3+4-Methylphenol	7.04	108	1740959	98.29	ug/ml	98
17) Hexachloroethane	6.92	117	416190	48.05	ug/ml	99
18) N-nitroso-di-n-propylamine	6.89	70	808800	56.42	ug/ml	99
21) Nitrobenzene	7.19	123	532270	49.36	ug/ml	96
22) Isophorone	7.74	82	1938854	55.99	ug/ml	98
23) 2-Nitrophenol	7.94	139	1229156	103.04	ug/ml	97
24) 2,4-Dimethylphenol	8.21	107	1703801	98.00	ug/ml	100
25) Bis(2-chloroethoxy)methane	8.31	93	1154624	49.16	ug/ml	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47095SI.D
Acq On : 26 Apr 2006 3:53 pm
Sample : S6740 PT4 50/100
Misc :
Integration Params: RTEINT.P
Quant Time: Apr 26 20:01 2006

Vial: 7
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 2,4-Dichlorophenol	8.64	162	1402810	101.17 ug/ml	100
27) Benzoic Acid	8.83	105	1201379	184.42 ug/ml	96
28) 1,2,4-Trichlorobenzene	8.66	180	709294	49.68 ug/ml	97
29) Naphthalene	8.80	128	2475705	48.48 ug/ml	100
30) 2,6-Dichlorophenol	9.09	162	1375483	100.14 ug/ml	97
31) 4-Chloroaniline	9.07	127	1151896	50.32 ug/ml	100
32) Hexachlorobutadiene	9.23	225	436015	49.69 ug/ml	99
33) 4-Chloro-3-methylphenol	10.48	107	1460092	101.06 ug/ml	97
34) 2-Methylnaphthalene	10.46	141	1526458	51.62 ug/ml#	33
36) Hexachlorocyclopentadiene	11.01	237	320633	65.02 ug/ml	99
37) 2,4,6-Trichlorophenol	11.33	196	929528	98.20 ug/ml	97
38) 2,4,5-Trichlorophenol	11.58	196	981241	98.64 ug/ml	99
40) 2-Chloronaphthalene	11.64	162	1434903	48.34 ug/ml	99
41) 2-Nitroaniline	12.07	138	688028	49.83 ug/ml	99
42) 2,6-Dinitrotoluene	12.76	165	435433	56.72 ug/ml	98
43) Dimethyl Phthalate	12.60	163	1673606	54.20 ug/ml	99
44) Acenaphthylene	12.66	152	2333367	48.94 ug/ml	100
45) 3-Nitroaniline	13.11	138	530391	49.40 ug/ml	97
46) Acenaphthene	13.11	154	1308623	48.03 ug/ml	99
47) 2,4-dinitrophenol	13.37	184	522875	161.91 ug/ml	100
48) Dibenzofuran	13.51	168	1898206	47.99 ug/ml	99
49) 4-Nitrophenol	14.01	109	436170	138.87 ug/ml	99
50) 2,4-Dinitrotoluene	13.71	165	548574	56.24 ug/ml	99
51) 2,3,4,6-Tetrachlorophenol	14.03	232	763805	104.99 ug/ml	99
52) Fluorene	14.35	166	1490618	47.99 ug/ml	98
53) Diethyl Phthalate	14.33	149	1743668	53.57 ug/ml	99
54) 4-Chlorophenyl phenyl eth	14.39	204	758323	48.99 ug/ml	96
55) 4-Nitroaniline	14.66	138	470930	51.39 ug/ml	96
56) 4,6-Dinitro-2-methylphenol	14.72	198	631730	120.22 ug/ml	99
57) n-nitrosodiphenylamine	14.74	169	1028558	54.65 ug/ml	99
58) Azobenzene	14.77	77	2423189	49.92 ug/ml#	86
59) Biphenyl	11.65	154	1802252	47.44 ug/ml	99
62) 4-bromophenyl phenyl ether	15.55	248	459545	49.52 ug/ml	95
63) Hexachlorobenzene	15.88	284	512670	49.13 ug/ml	99
64) Pentachlorophenol	16.43	266	602113	109.19 ug/ml	99
65) Phenanthrene	16.67	178	2042797	48.68 ug/ml	99
66) Anthracene	16.78	178	1961851	49.08 ug/ml	98
67) Carbazole	17.26	167	1879992	53.75 ug/ml	99
68) Di-n-butyl phthalate	18.27	149	2715407	46.79 ug/ml	99
69) Fluoranthene	19.56	202	1993386	48.11 ug/ml	99
70) Benzidine	19.97	184	280560	27.04 ug/ml	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47095SI.D
Acq On : 26 Apr 2006 3:53 pm
Sample : S6740 PT4 50/100
Misc :
Integration Params: RTEINT.P
Quant Time: Apr 26 20:01 2006

Vial: 7
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:18:27 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
72) Pyrene	20.10	202	2081721	51.37 ug/ml	98
74) Butyl benzyl phthalate	21.88	149	1193715	48.56 ug/ml	100
75) Benzo[a]anthracene	23.02	228	1775978	48.76 ug/ml	100
76) Chrysene	23.13	228	1651682	49.65 ug/ml	100
77) 3,3'-Dichlorobenzidine	23.07	252	680172	51.49 ug/ml	99
78) Bis (2-ethylhexyl) phthala	23.33	149	1696971	50.49 ug/ml	99
80) di-n-octyl-phthalate	24.93	149	2782646	45.66 ug/ml	100
81) Benzo[b] fluoranthene	25.92	252	1845130	54.39 ug/ml	99
82) Benzo[k] fluoranthene	26.01	252	1665343	45.06 ug/ml	99
83) Benzo[a] pyrene	26.92	252	1677800	55.17 ug/ml	98
84) Indeno [1,2,3-cd] pyrene	31.04	276	1675163m	53.89 ug/ml	
85) Dibenz [a,h] anthracene	31.16	278	1555064	56.35 ug/ml	99
86) Benzo(g,h,i) perylene	32.19	276	1581551	55.27 ug/ml	100

(#) = qualifier out of range (m) = manual integration

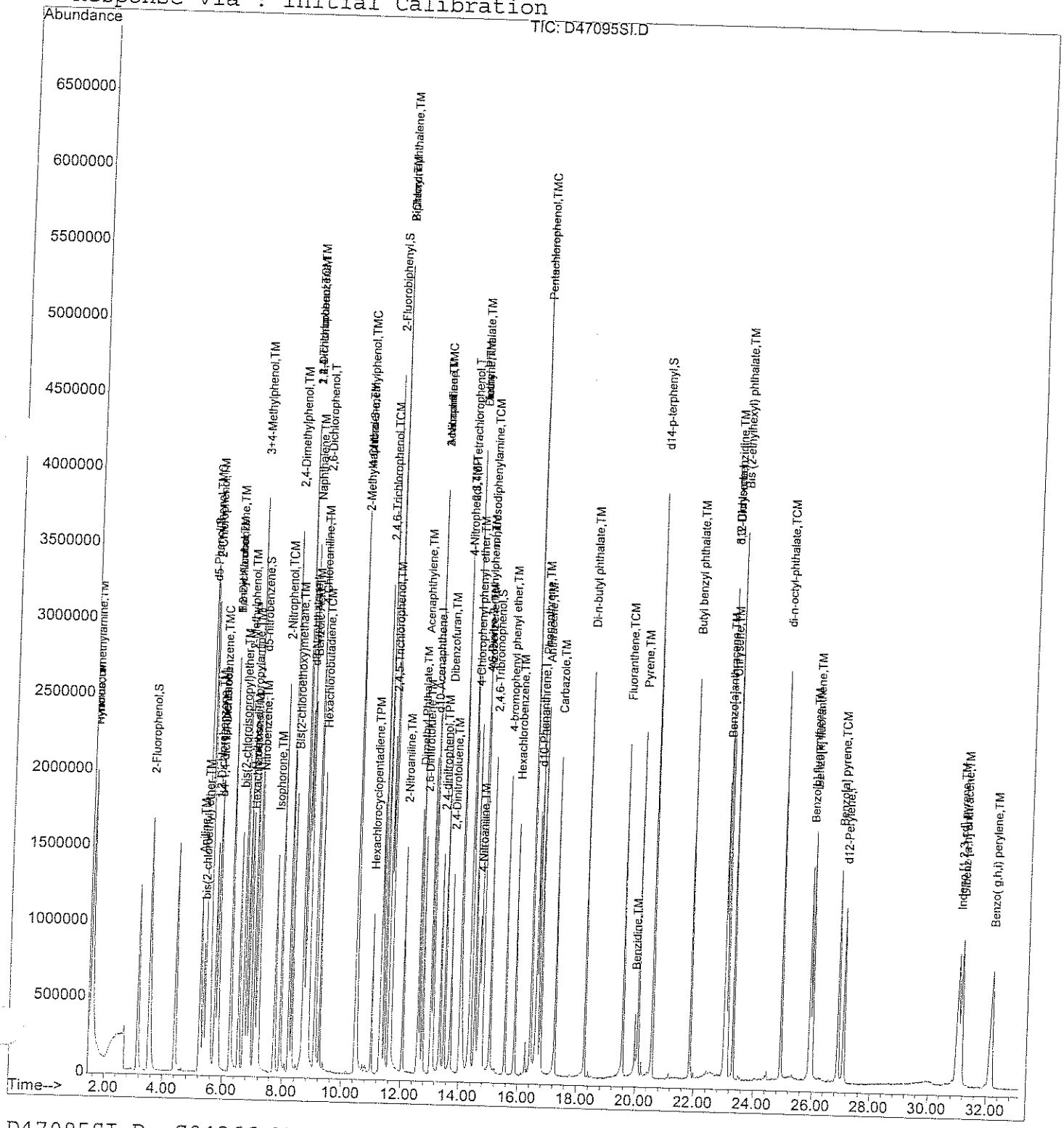
Quantitation Report

Data File : D:\HPCHEM\1\DATA\042606-D\D47095SI.D
Acq On : 26 Apr 2006 3:53 pm
Sample : S6740 PT4 50/100
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:01 2006

Vial: 7
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: S04266.RES

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:49:30 2006
Response via : Initial Calibration



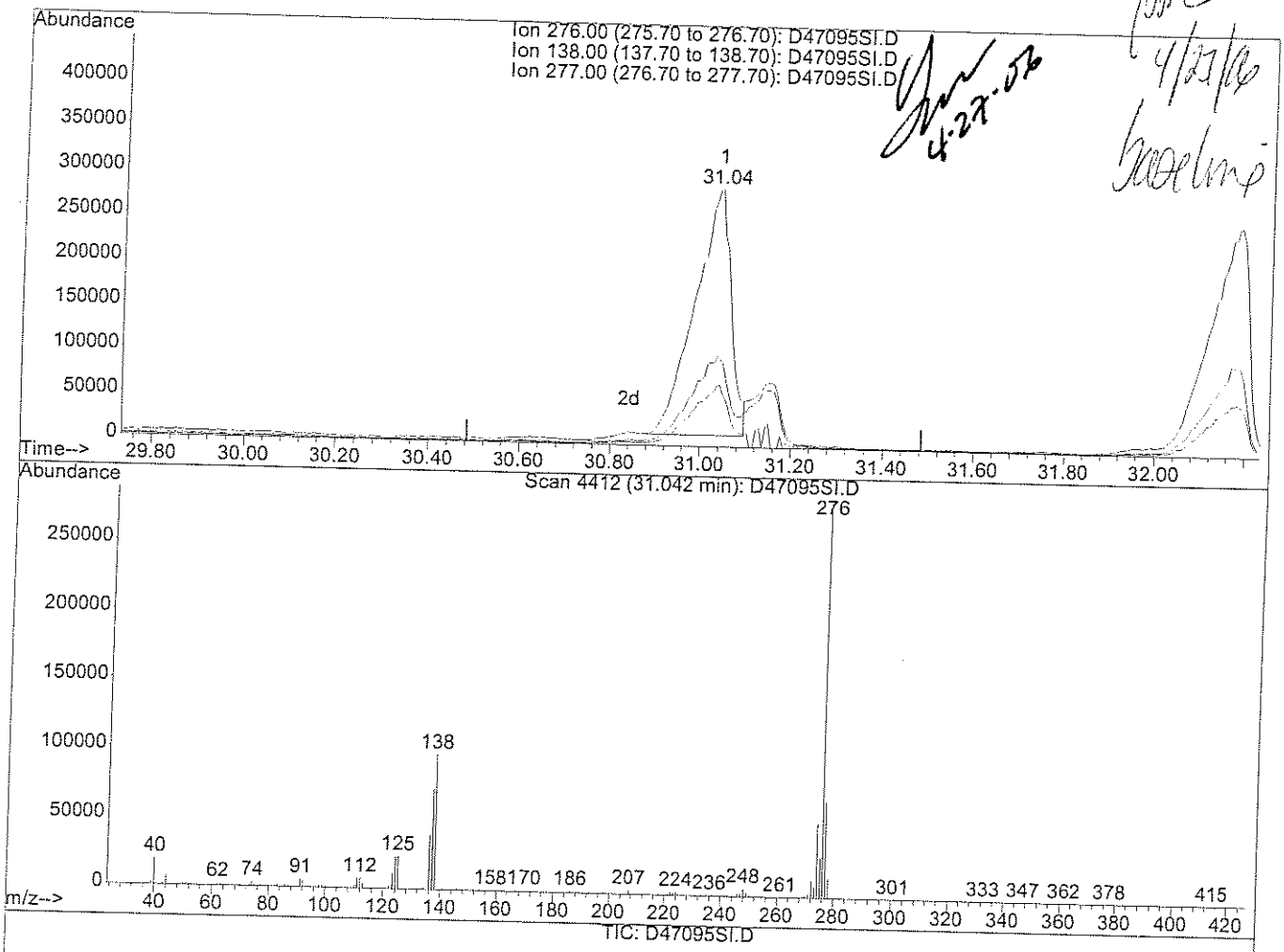
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47095SI.D
Acq On : 26 Apr 2006 3:53 pm
Sample : S6740 PT4 50/100
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 19:18 2006

Vial: 7
Operator:
Inst : D Instrur
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:58:34 2006
Response via : Multiple Level Calibration



(84) Indeno [1,2,3-cd] pyrene (TM)

31.04min 48.79ug/ml

response 1516834

Ion	Exp%	Act%
276.00	100	100
138.00	35.80	40.00
277.00	24.70	27.31
0.00	0.00	0.00

D47095SI.D S04266.M Wed Apr 26 20:01:29 2006

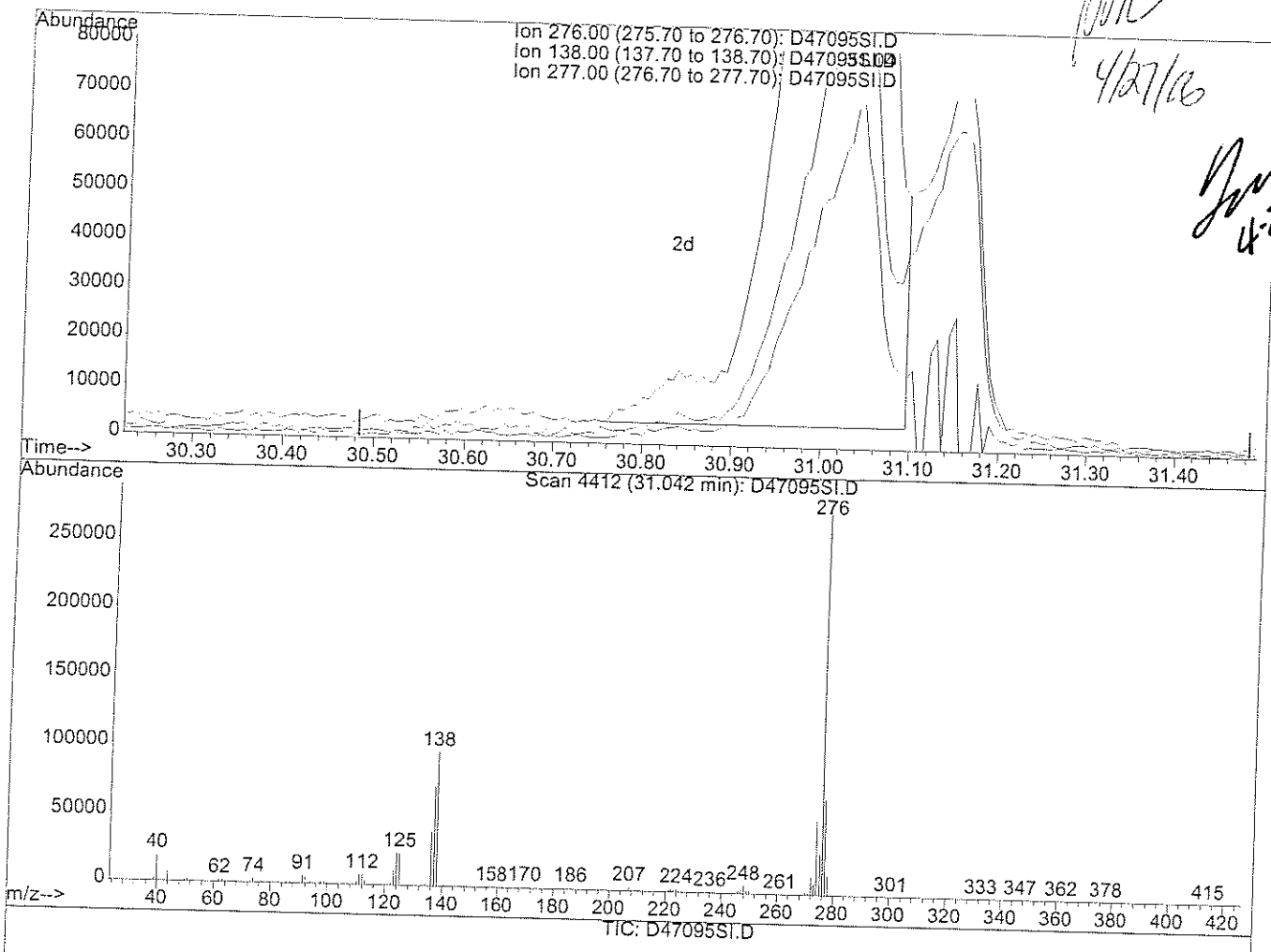
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47095SI.D
Acq On : 26 Apr 2006 3:53 pm
Sample : S6740 PT4 50/100
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:01 2006

Vial: 7
Operator:
Inst : D Instrur
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 19:58:34 2006
Response via : Multiple Level Calibration



(84) Indeno [1,2,3-cd] pyrene (TM)

31.04min 53.89ug/ml m

response 1675163

Ion	Exp%	Act%
276.00	100	100
138.00	35.80	36.22
277.00	24.70	24.73
0.00	0.00	0.00

4/27/06

4-27-06

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47096SI.D
Acq On : 26 Apr 2006 4:26 pm
Sample : S6740 PT5 100/200
Misc :
Integration Params: RTEINT.P
Quant Time: Apr 26 20:47 2006

Vial: 8
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:08:17 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4-27-06

4/27/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.82	152	577333	40.00	ug/ml	0.00
19) d8-Naphthalene	8.77	136	2164732	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.05	164	1051734	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.63	188	1676334	40.00	ug/ml	0.00
71) d12-Chrysene	23.08	240	1040707	40.00	ug/ml	0.00
79) d12-Perylene	27.11	264	1157812	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.51	112	3956353	197.90	ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 263.87%#			
5) d5-Phenol	5.40	99	4761765	219.00	ug/ml	0.00
Spiked Amount 75.000	Range 22 - 110		Recovery = 292.00%#			
20) d5-nitrobenzene	7.19	82	4679949	190.57	ug/ml	0.00
Spiked Amount 50.000	Range 45 - 107		Recovery = 381.14%#			
39) 2-Fluorobiphenyl	11.47	172	6128806	181.19	ug/ml	0.00
Spiked Amount 50.000	Range 44 - 102		Recovery = 362.38%#			
60) 2,4,6-Tribromophenol	15.06	330	1280352	202.75	ug/ml	0.00
Spiked Amount 75.000	Range 63 - 127		Recovery = 270.33%#			
73) d14-p-terphenyl	20.59	244	4698030	207.24	ug/ml	0.00
Spiked Amount 50.000	Range 33 - 132		Recovery = 414.48%#			
Target Compounds						Qvalue
2) Pyridine	1.54	79	3284641	97.62	ug/ml	99
3) N-nitrosodimethylamine	1.53	42	1915940	96.57	ug/ml	96
6) Aniline	5.26	93	2686756m	89.69	ug/ml	
7) Phenol	5.42	94	5038765	224.86	ug/ml	99
8) 2-Chlorophenol	5.54	128	4075948	193.51	ug/ml	98
9) bis(2-chloroethyl) ether	5.37	93	2228405m	96.28	ug/ml	
10) 1,3-Dichlorobenzene	5.74	146	2164303	97.22	ug/ml	100
11) 1,4-Dichlorobenzene	5.86	146	2184628	96.75	ug/ml	100
12) 1,2-Dichlorobenzene	6.26	146	2085083	99.18	ug/ml	99
13) Benzyl Alcohol	6.27	108	1327625	115.32	ug/ml	94
14) 2-Methylphenol	6.68	108	3368840	194.00	ug/ml	100
15) bis(2-chloroisopropyl)ethe	6.55	45	4055820	97.27	ug/ml	98
16) 3+4-Methylphenol	7.06	108	3407467	187.27	ug/ml	97
17) Hexachloroethane	6.92	117	861492	96.82	ug/ml	100
18) N-nitroso-di-n-propylamine	6.94	70	1669618	113.38	ug/ml	93
21) Nitrobenzene	7.23	123	1131249	97.73	ug/ml	92
22) Isophorone	7.81	82	4072843	109.59	ug/ml	99
23) 2-Nitrophenol	7.96	139	2533320	197.86	ug/ml	98
24) 2,4-Dimethylphenol	8.23	107	3512160	188.21	ug/ml#	96
25) Bis(2-chloroethoxy)methane	8.33	93	2371396	94.08	ug/ml	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47096SI.D
Acq On : 26 Apr 2006 4:26 pm
Sample : S6740 PT5 100/200
Misc :
Integration Params: RTEINT.P
Quant Time: Apr 26 20:47 2006

Vial: 8
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:08:17 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 2,4-Dichlorophenol	8.65	162	2879955	193.52 ug/ml	97
27) Benzoic Acid	8.96	105	2705903	387.00 ug/ml	94
28) 1,2,4-Trichlorobenzene	8.68	180	1510813	98.59 ug/ml	97
29) Naphthalene	8.82	128	5422642	98.94 ug/ml	100
30) 2,6-Dichlorophenol	9.12	162	2862055	194.13 ug/ml	95
31) 4-Chloroaniline	9.09	127	2298560	93.55 ug/ml	99
32) Hexachlorobutadiene	9.25	225	904015	95.98 ug/ml	99
33) 4-Chloro-3-methylphenol	10.47	107	2973943	191.77 ug/ml	96
34) 2-Methylnaphthalene	10.47	141	3150913	99.28 ug/ml#	37
36) Hexachlorocyclopentadiene	11.02	237	730025	135.83 ug/ml	100
37) 2,4,6-Trichlorophenol	11.36	196	1984375	192.35 ug/ml	99
38) 2,4,5-Trichlorophenol	11.57	196	2180461	201.12 ug/ml	99
40) 2-Chloronaphthalene	11.68	162	2955534	91.36 ug/ml	99
41) 2-Nitroaniline	12.10	138	1503960	99.94 ug/ml	97
42) 2,6-Dinitrotoluene	12.79	165	935840	111.84 ug/ml	99
43) Dimethyl Phthalate	12.63	163	3299351	98.03 ug/ml	98
44) Acenaphthylene	12.67	152	4767603	91.75 ug/ml#	74
45) 3-Nitroaniline	13.14	138	1167054	99.74 ug/ml	87
46) Acenaphthene	13.14	154	3252509	109.54 ug/ml	86
47) 2,4-dinitrophenol	13.40	184	1256765	357.05 ug/ml#	1
48) Dibenzofuran	13.53	168	3854162	89.40 ug/ml	99
49) 4-Nitrophenol	13.98	109	921645	269.24 ug/ml	95
50) 2,4-Dinitrotoluene	13.74	165	1216885	114.46 ug/ml	93
51) 2,3,4,6-Tetrachlorophenol	14.04	232	1642661	207.16 ug/ml	95
52) Fluorene	14.37	166	3217577	95.05 ug/ml	97
53) Diethyl Phthalate	14.37	149	2730740	76.97 ug/ml	97
54) 4-Chlorophenyl phenyl eth	14.41	204	1545531	91.62 ug/ml#	59
55) 4-Nitroaniline	14.71	138	885757	88.68 ug/ml#	1
56) 4,6-Dinitro-2-methylphenol	14.76	198	1121085	195.75 ug/ml	98
57) n-nitrosodiphenylamine	14.77	169	2189518	106.74 ug/ml	98
58) Azobenzene	14.80	77	6089888	115.11 ug/ml#	80
59) Biphenyl	11.67	154	3751455	90.59 ug/ml	98
62) 4-bromophenyl phenyl ether	15.57	248	957300	97.41 ug/ml	95
63) Hexachlorobenzene	15.90	284	1074559	97.23 ug/ml	96
64) Pentachlorophenol	16.45	266	1360002	232.86 ug/ml#	89
65) Phenanthrene	16.69	178	4451596m	100.16 ug/ml	
66) Anthracene	16.79	178	3777025m	89.22 ug/ml	
67) Carbazole	17.28	167	3903941	105.39 ug/ml	99
68) Di-n-butyl phthalate	18.28	149	4256783	69.25 ug/ml	99
69) Fluoranthene	19.58	202	3866953m	88.12 ug/ml	
70) Benzidine	19.98	184	449575	40.91 ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47096SI.D
Acq On : 26 Apr 2006 4:26 pm
Sample : S6740 PT5 100/200
Misc :
Integration Params: RTEINT.P
Quant Time: Apr 26 20:47 2006

Vial: 8
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:08:17 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
72) Pyrene	20.11	202	4283843	125.75 ug/ml	99
74) Butyl benzyl phthalate	21.89	149	1878290	90.90 ug/ml	99
75) Benzo[a]anthracene	23.04	228	3728906	121.80 ug/ml	99
76) Chrysene	23.15	228	2686585	96.07 ug/ml	100
77) 3,3'-Dichlorobenzidine	23.09	252	1125030	101.32 ug/ml	98
78) Bis (2-ethylhexyl) phthala	23.34	149	2742590	97.07 ug/ml	91
80) di-n-octyl-phthalate	24.95	149	4535473	81.52 ug/ml	99
81) Benzo[b] fluoranthene	25.95	252	3957929m	127.79 ug/ml	
82) Benzo[k] fluoranthene	26.03	252	2768038m	82.03 ug/ml	
83) Benzo[a] pyrene	26.95	252	3199897	115.25 ug/ml	100
84) Indeno [1,2,3-cd] pyrene	31.07	276	2674242m	94.23 ug/ml	
85) Dibenz [a,h] anthracene	31.19	278	2238082m	88.84 ug/ml	
86) Benzo(g,h,i) perylene	32.22	276	2495587	95.52 ug/ml	99

(#) = qualifier out of range (m) = manual integration

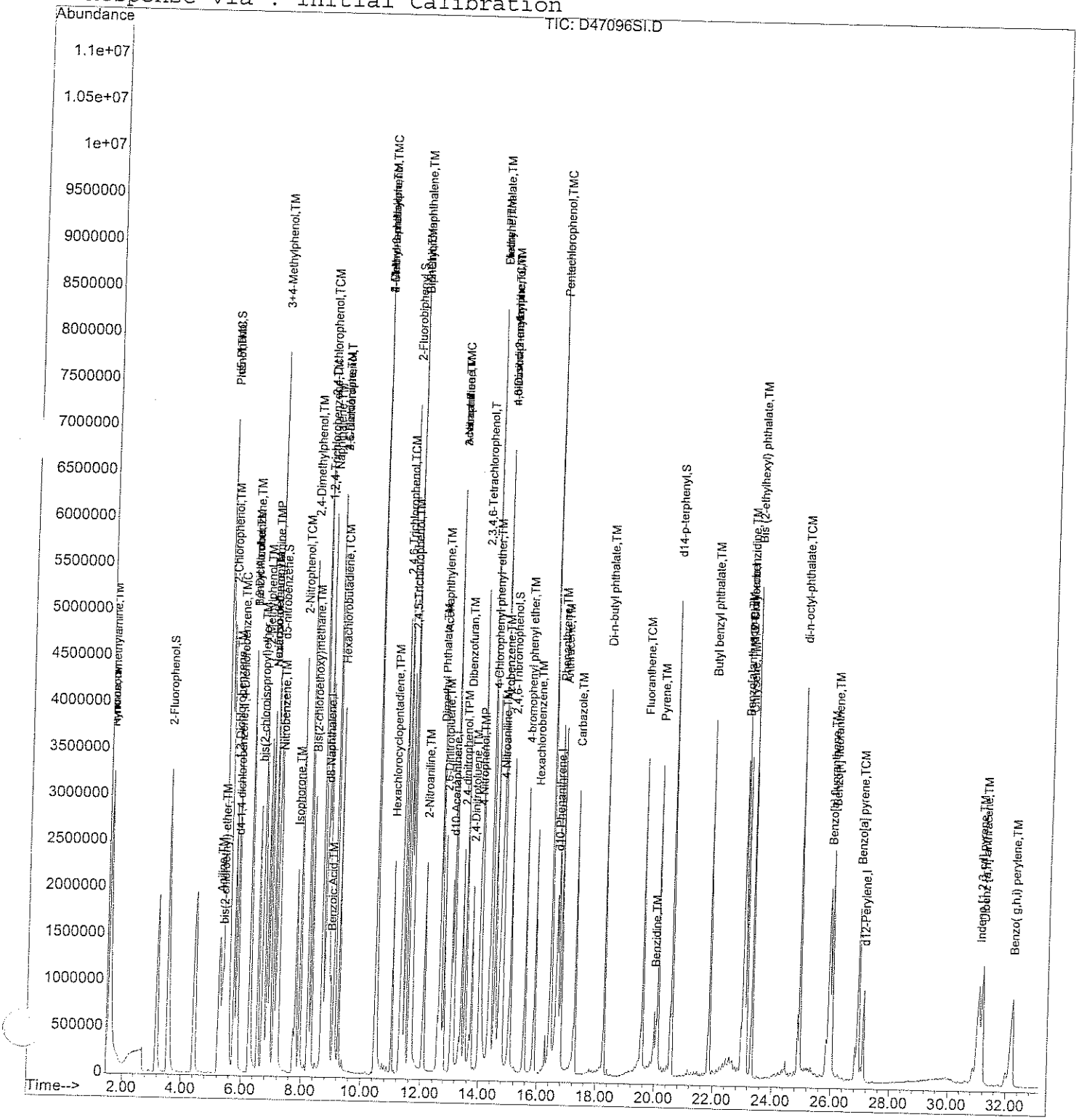
Quantitation Report

Data File : D:\HPCHEM\1\DATA\042606-D\D47096SI.D
Acq On : 26 Apr 2006 4:26 pm
Sample : S6740 PT5 100/200
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:47 2006

Vial: 8
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: S04266.RES

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:08:17 2006
Response via : Initial Calibration



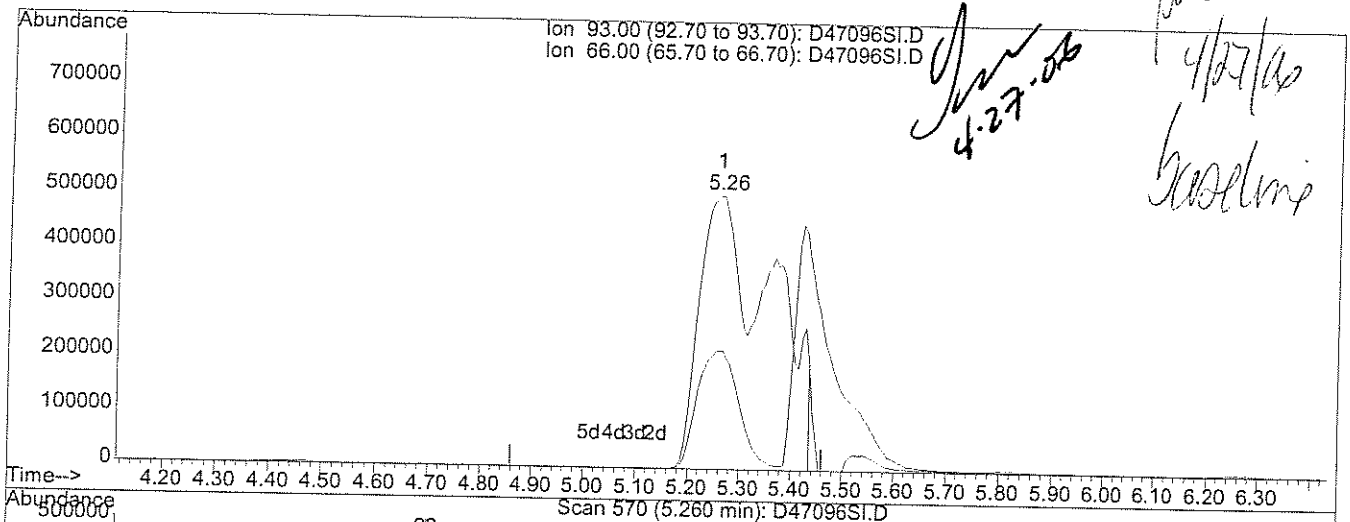
Quantitation Report (Qedit)

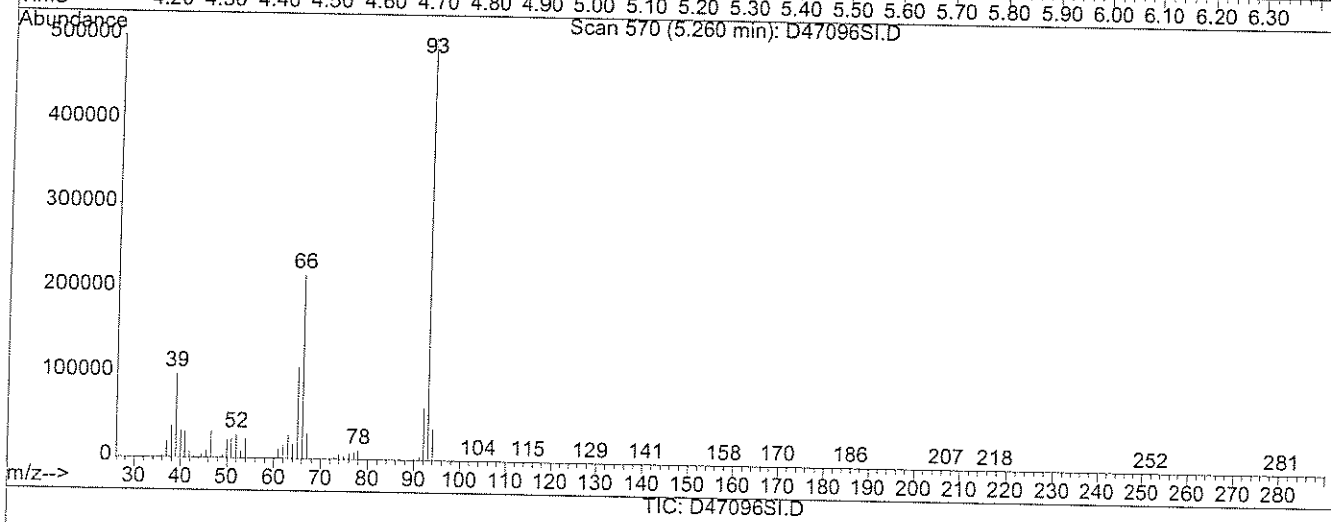
Data File : D:\HPCHEM\1\DATA\042606-D\D47096SI.D
Acq On : 26 Apr 2006 4:26 pm
Sample : S6740 PT5 100/200
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:41 2006

Vial: 8
Operator:
Inst : D Instrun
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:08:17 2006
Response via : Multiple Level Calibration





(6) Aniline (TM)

5.26min 161.90ug/ml

response 4850058

Ion	Exp%	Act%
93.00	100	100
66.00	45.90	25.17#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

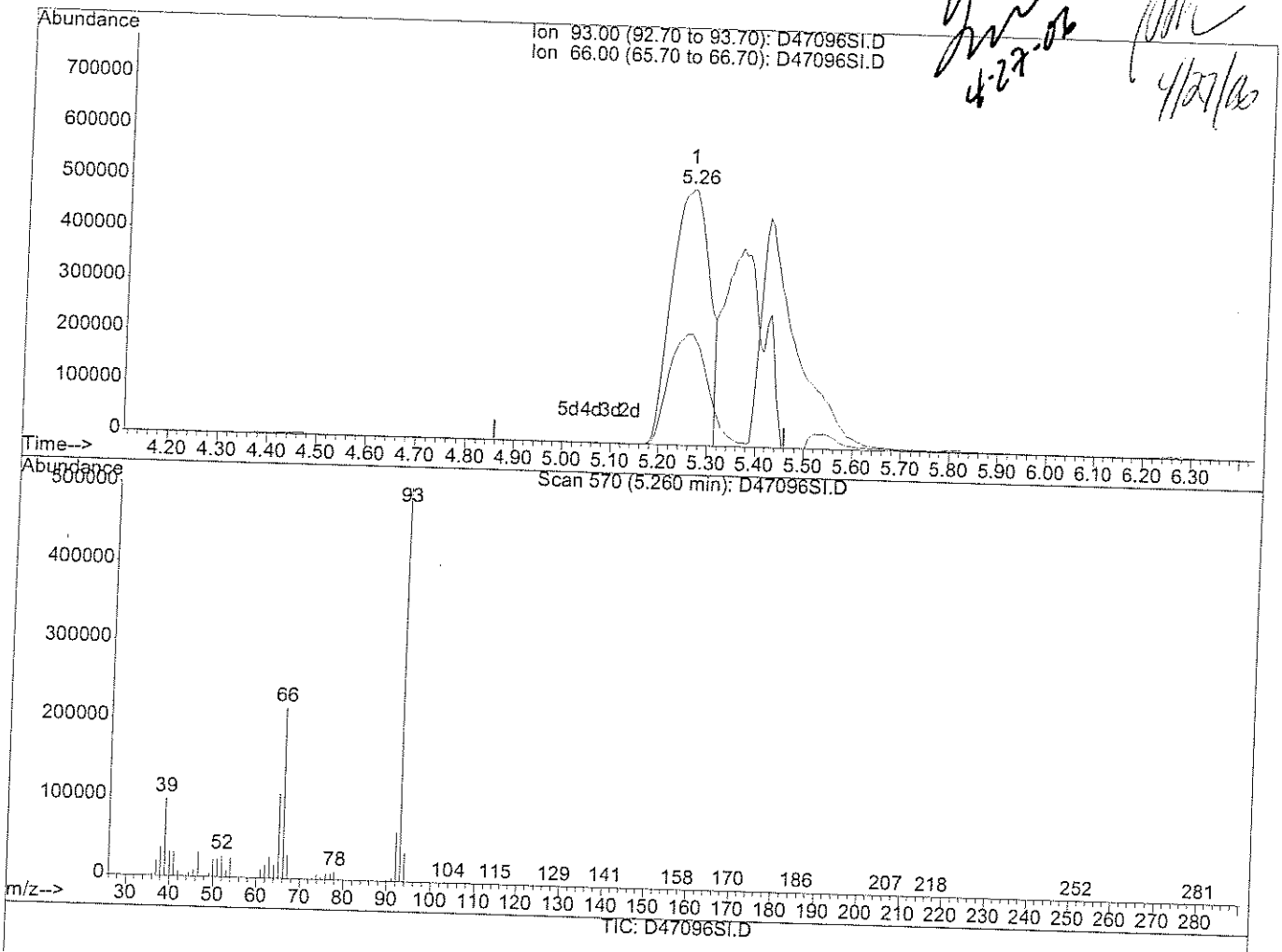
Data File : D:\HPCHEM\1\DATA\042606-D\D47096SI.D
Acq On : 26 Apr 2006 4:26 pm
Sample : S6740 PT5 100/200
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:43 2006

Vial: 8
Operator:
Inst : D Instrur
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:08:17 2006
Response via : Multiple Level Calibration

4-27-06 4/27/06



(6) Aniline (TM)

5.26min 89.69ug/ml m

response 2686756

Ion	Exp%	Act%
93.00	100	100
66.00	45.90	45.44
0.00	0.00	0.00
0.00	0.00	0.00

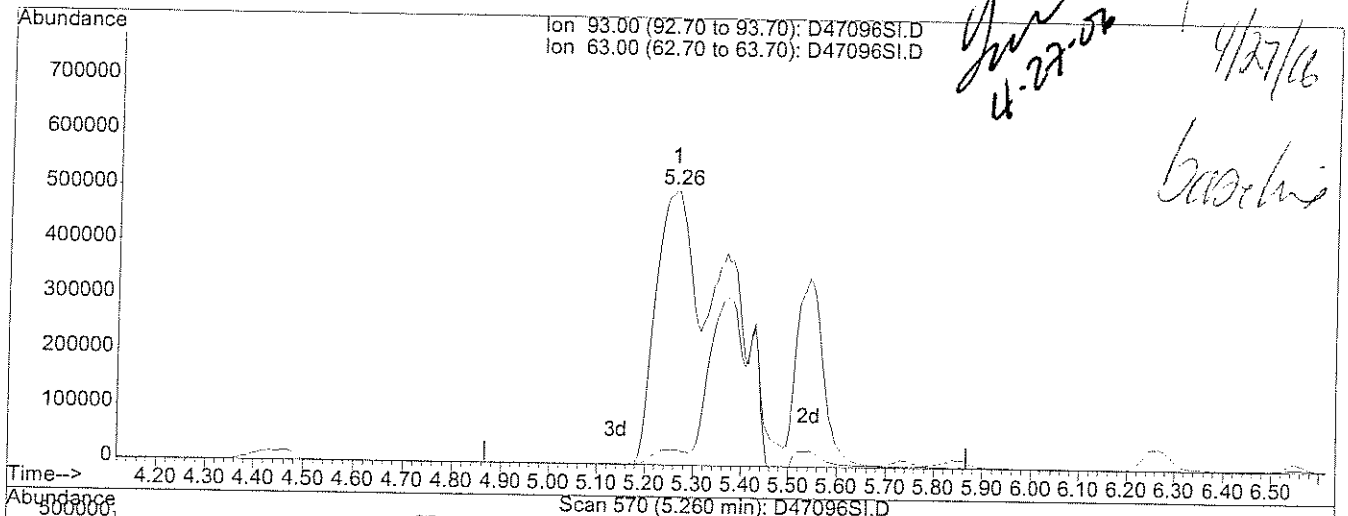
Quantitation Report (Qedit)

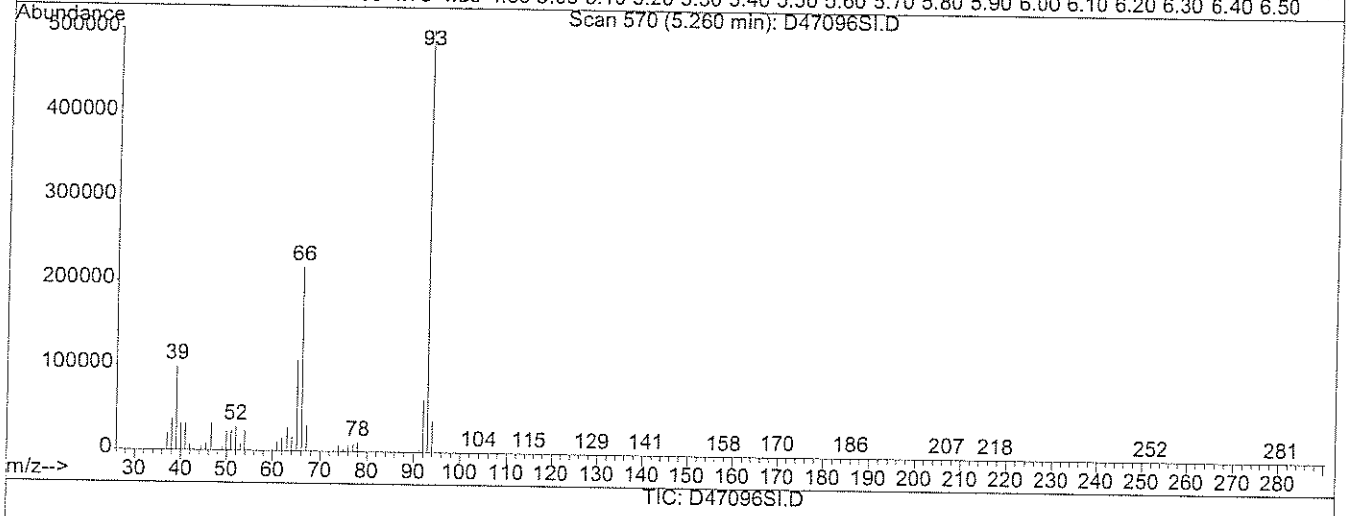
Data File : D:\HPCHEM\1\DATA\042606-D\D47096SI.D
Acq On : 26 Apr 2006 4:26 pm
Sample : S6740 PT5 100/200
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:43 2006

Vial: 8
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:08:17 2006
Response via : Multiple Level Calibration





(9) bis(2-chloroethyl) ether (TM)

5.26min 212.40ug/ml

response 4915914

Ion	Exp%	Act%
93.00	100	100
63.00	75.60	3.02#
0.00	0.00	0.00
0.00	0.00	0.00

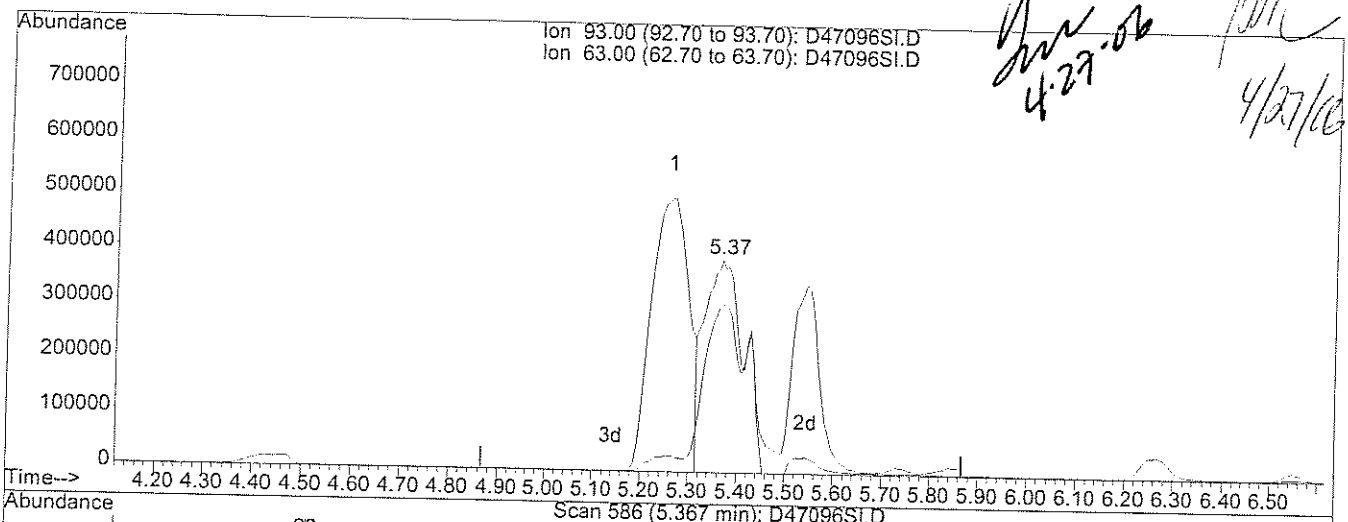
Quantitation Report (Qedit)

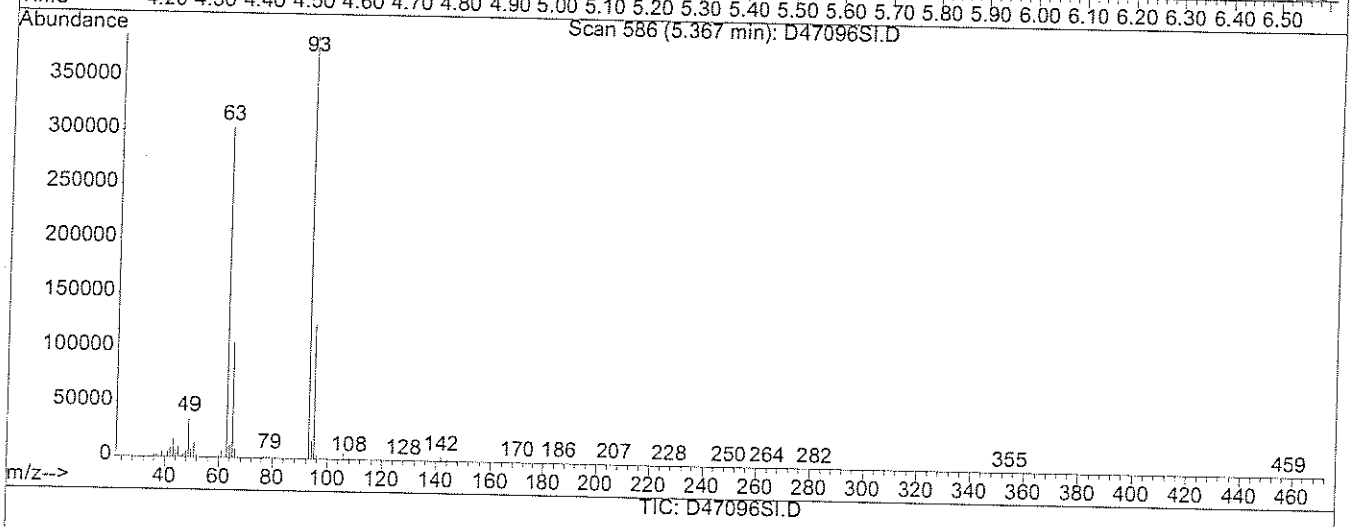
Data File : D:\HPCHEM\1\DATA\042606-D\D47096SI.D
Acq On : 26 Apr 2006 4:26 pm
Sample : S6740 PT5 100/200
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:43 2006

Vial: 8
Operator:
Inst : D Instrur
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:08:17 2006
Response via : Multiple Level Calibration





(9) bis(2-chloroethyl) ether (TM)

5.37min 96.28ug/ml m

response 2228405

Ion	Exp%	Act%
93.00	100	100
63.00	75.60	6.67#
0.00	0.00	0.00
0.00	0.00	0.00

4-27-06

4/27/06

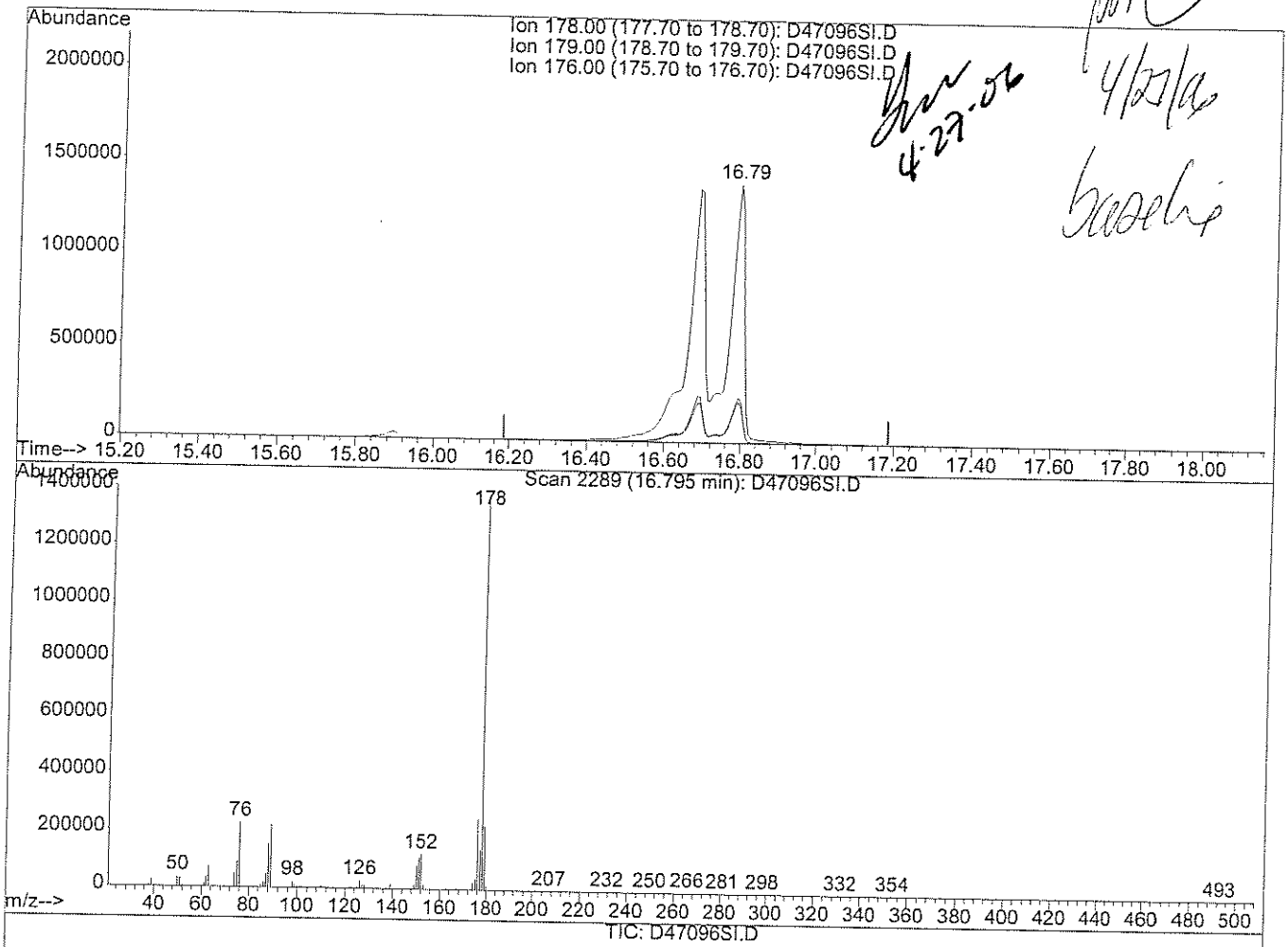
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47096SI.D
Acq On : 26 Apr 2006 4:26 pm
Sample : S6740 PT5 100/200
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:43 2006

Vial: 8
Operator:
Inst : D Instru
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:08:17 2006
Response via : Multiple Level Calibration



(65) Phenanthrene (TM)

16.79min 186.09ug/ml

response 8270307

Ion	Exp%	Act%
178.00	100	100
179.00	15.60	15.55
176.00	17.80	17.64
0.00	0.00	0.00

4/27/06

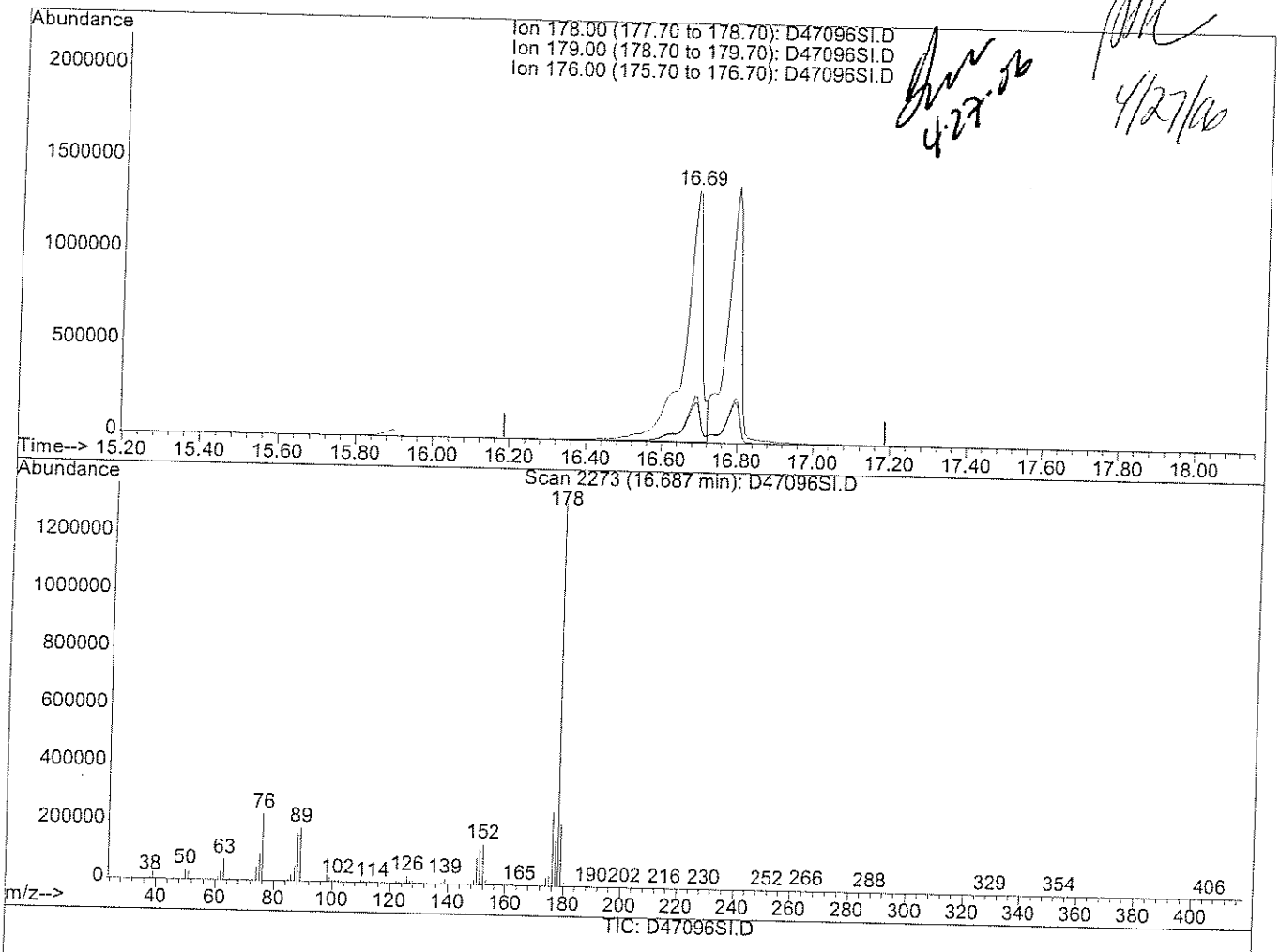
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47096SI.D
Acq On : 26 Apr 2006 4:26 pm
Sample : S6740 PT5 100/200
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:44 2006

Vial: 8
Operator:
Inst : D Instrur
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:08:17 2006
Response via : Multiple Level Calibration



(65) Phenanthrene (TM)

16.69min 100.16ug/ml m

response 4451596

Ion	Exp%	Act%
178.00	100	100
179.00	15.60	28.88#
176.00	17.80	32.78#
0.00	0.00	0.00

4/27/06

D47096SI.D S04266.M Wed Apr 26 20:44:53 2006

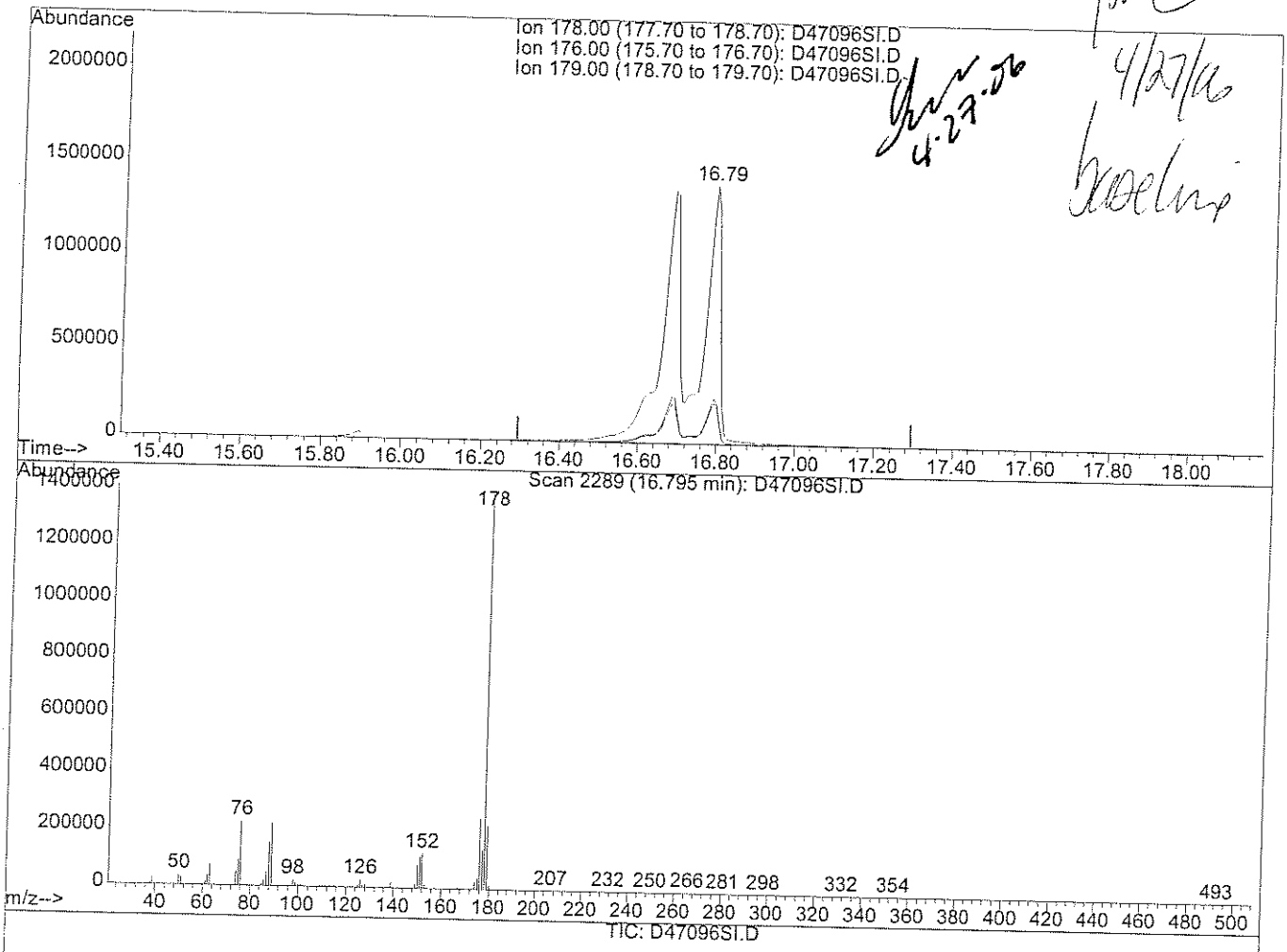
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47096SI.D
Acq On : 26 Apr 2006 4:26 pm
Sample : S6740 PT5 100/200
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:44 2006

Vial: 8
Operator:
Inst : D Instrur
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:08:17 2006
Response via : Multiple Level Calibration



(66) Anthracene (TM)

16.79min 194.20ug/ml

response 8220770

Ion	Exp%	Act%
178.00	100	100
176.00	17.00	17.71
179.00	14.80	15.66
0.00	0.00	0.00

4/27/06

D47096SI.D S04266.M Wed Apr 26 20:44:57 2006

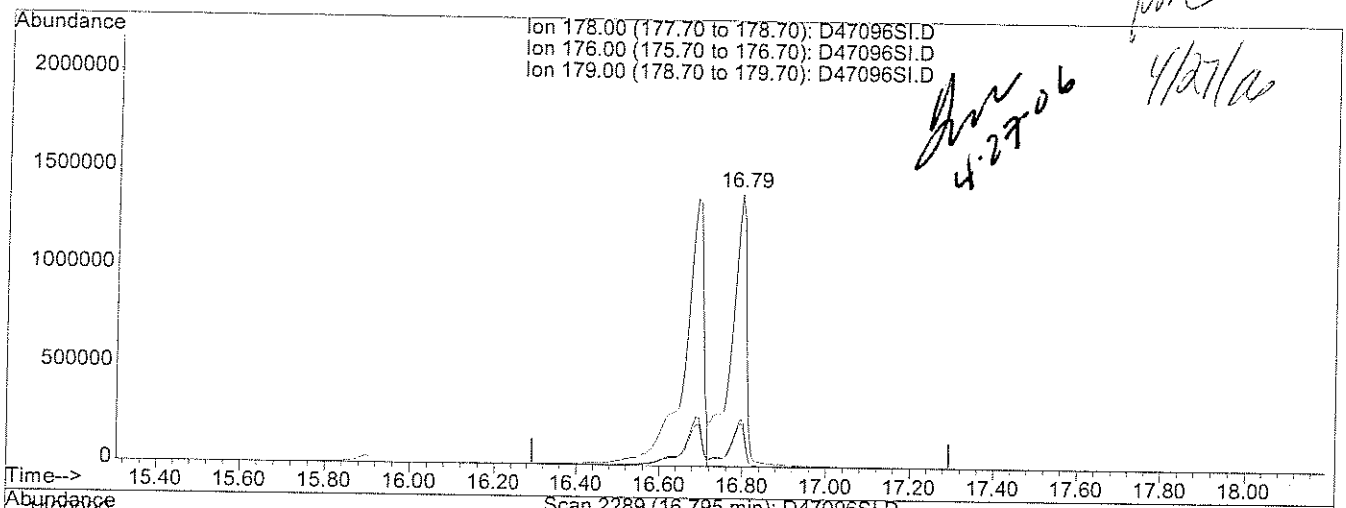
Quantitation Report (Qedit)

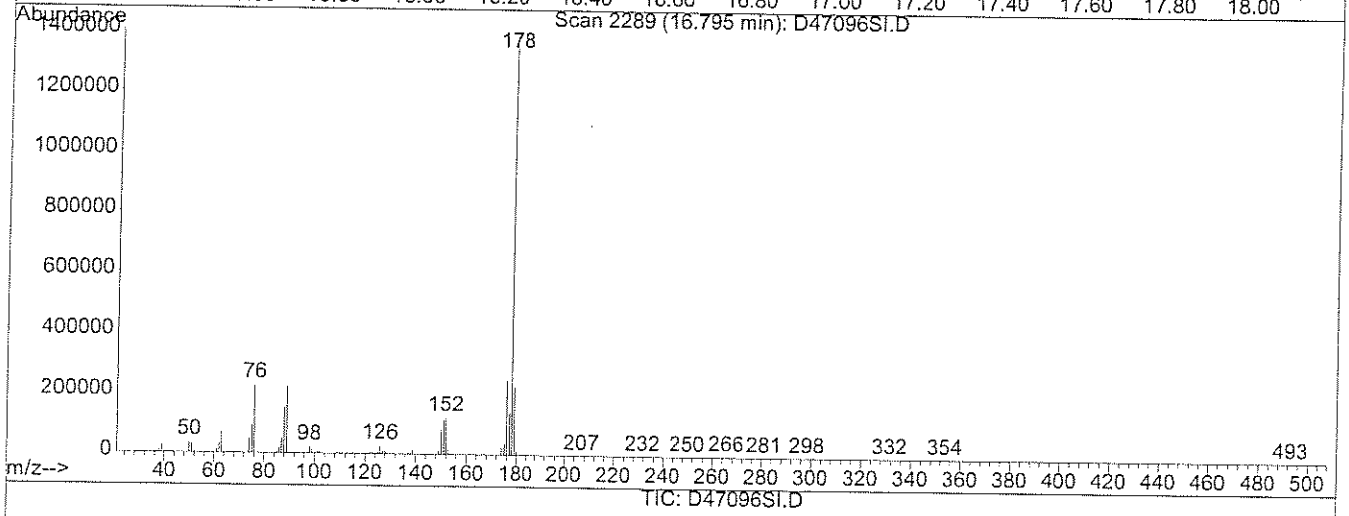
Data File : D:\HPCHEM\1\DATA\042606-D\D47096SI.D
Acq On : 26 Apr 2006 4:26 pm
Sample : S6740 PT5 100/200
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:45 2006

Vial: 8
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:08:17 2006
Response via : Multiple Level Calibration





(66) Anthracene (TM)

16.79min 89.22ug/ml m

response 3777025

Ion	Exp%	Act%
178.00	100	100
176.00	17.00	38.55#
179.00	14.80	34.09#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47096SI.D
Acq On : 26 Apr 2006 4:26 pm
Sample : S6740 PT5 100/200
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:45 2006

Vial: 8
Operator:
Inst : D Instrum
Multiplr: 1.00

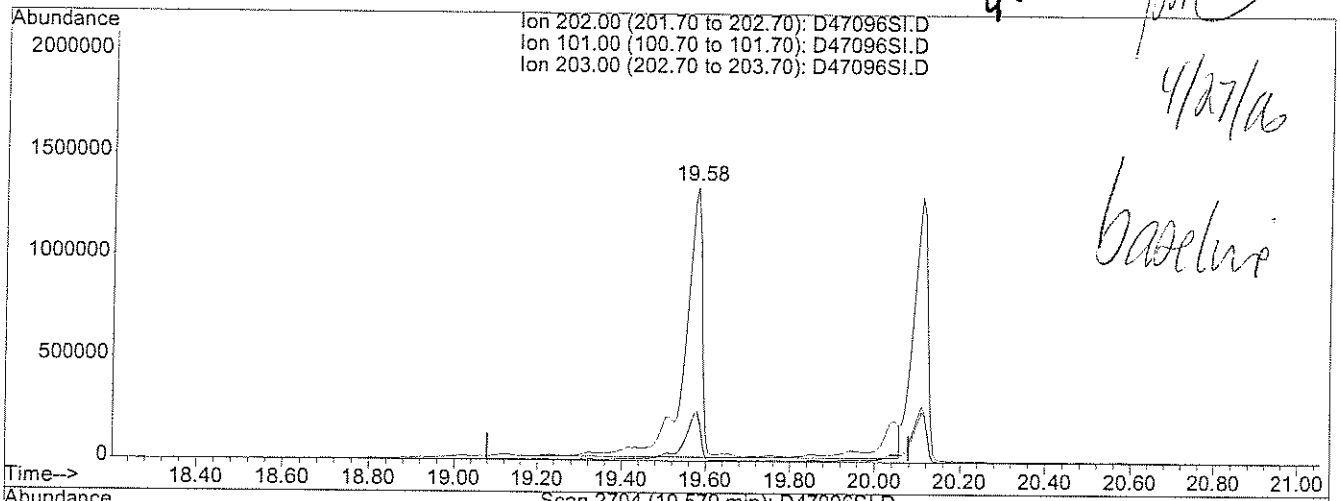
Quant Results File: temp.res

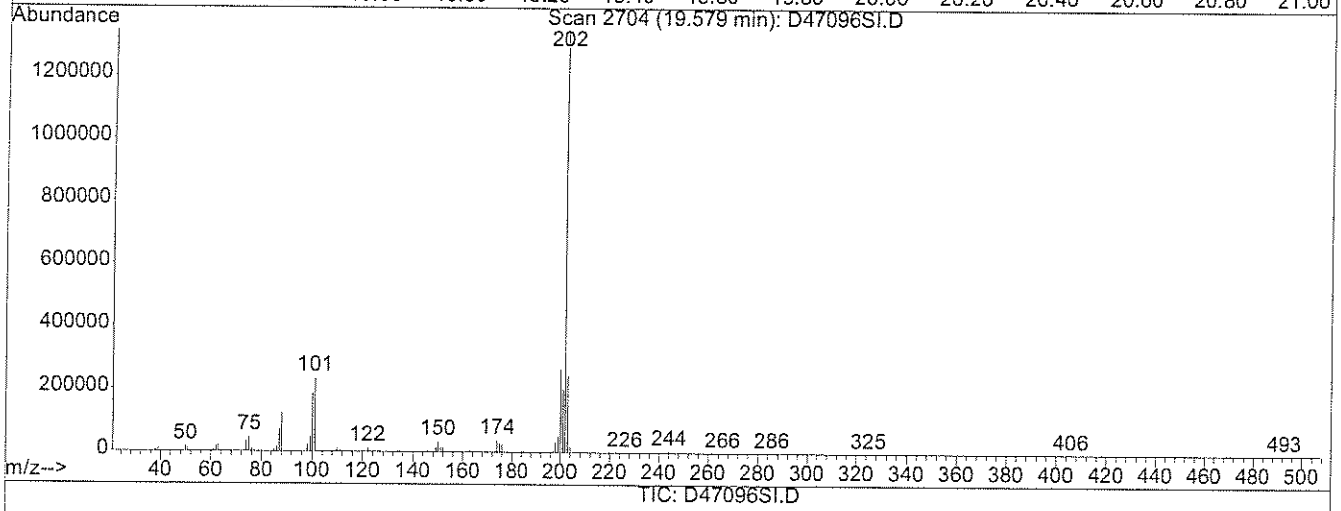
Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:08:17 2006
Response via : Multiple Level Calibration

4.27.06

4/27/06

baseline





TIC: D47096SI.D

(69) Fluoranthene (TCM)

19.58min 104.40ug/ml

response 4581051

Ion	Exp%	Act%
202.00	100	100
101.00	17.90	14.73
203.00	17.80	15.42
0.00	0.00	0.00

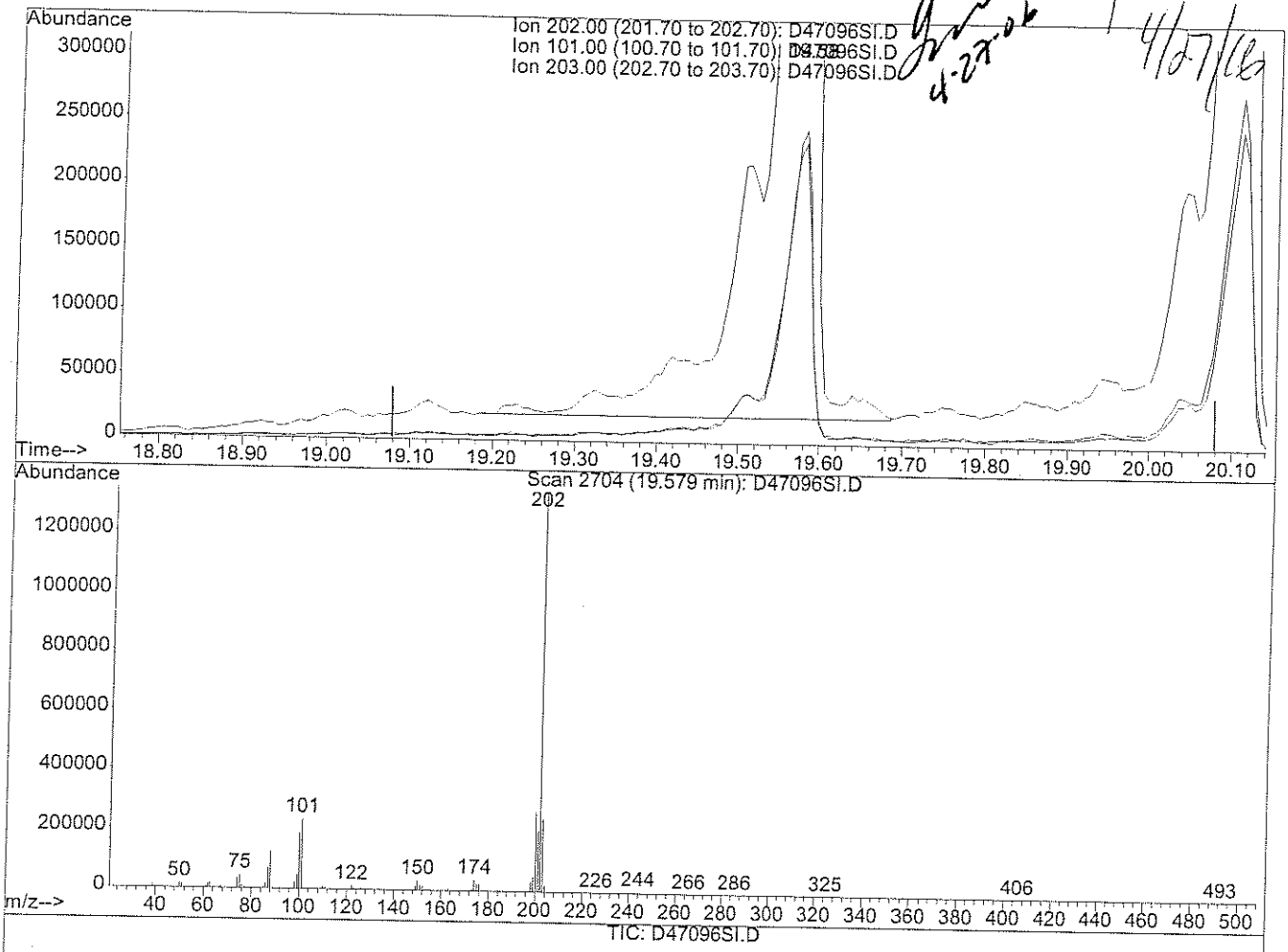
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47096SI.D
Acq On : 26 Apr 2006 4:26 pm
Sample : S6740 PT5 100/200
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:45 2006

Vial: 8
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:08:17 2006
Response via : Multiple Level Calibration



(69) Fluoranthene (TCM)

19.58min 88.12ug/ml m

response 3866953

Ion	Exp%	Act%
202.00	100	100
101.00	17.90	17.45
203.00	17.80	18.27
0.00	0.00	0.00

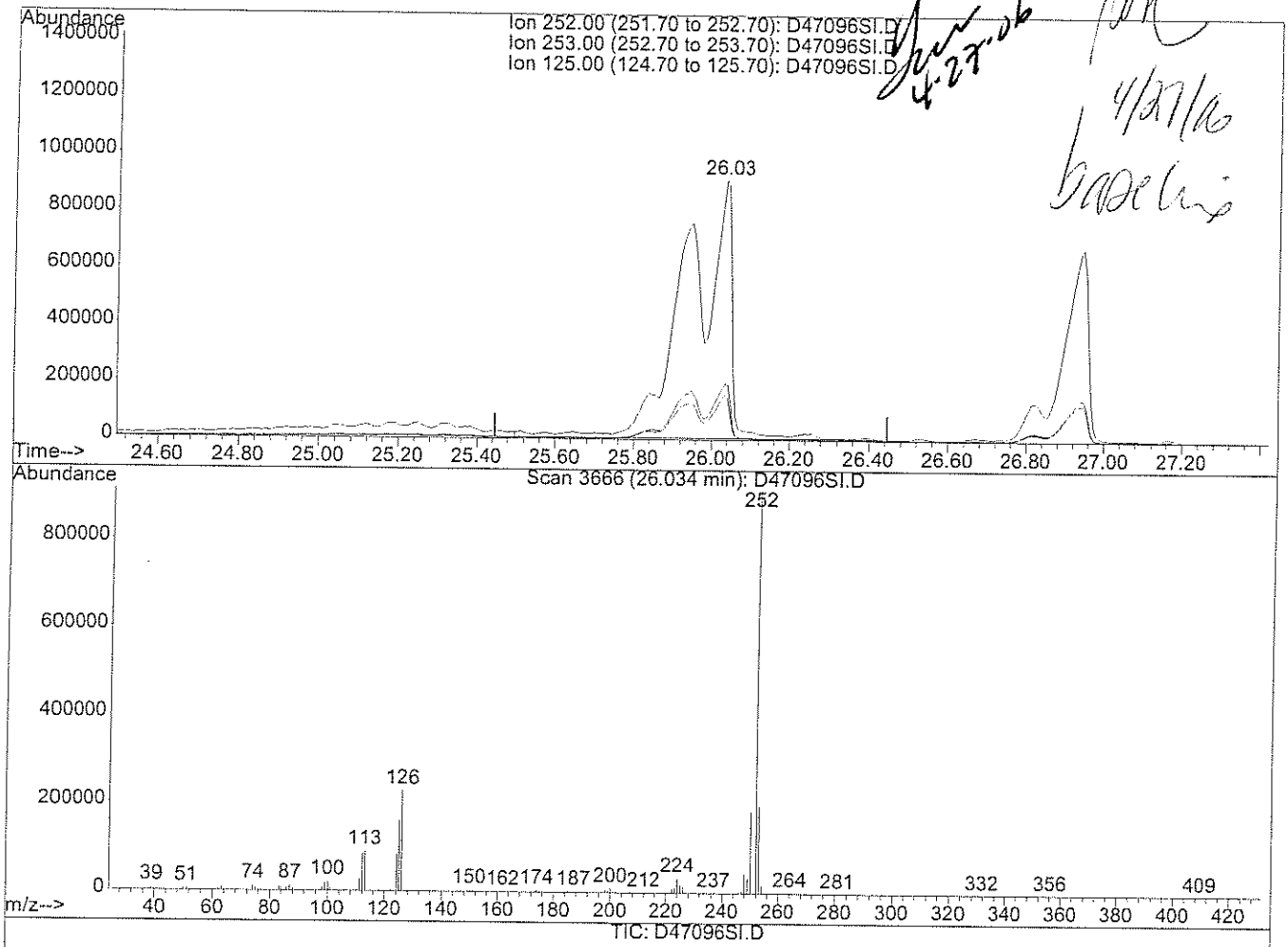
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47096SI.D
Acq On : 26 Apr 2006 4:26 pm
Sample : S6740 PT5 100/200
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:45 2006

Vial: 8
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:08:17 2006
Response via : Multiple Level Calibration



(81) Benzo[b] fluoranthene (TM)

26.03min 236.17ug/ml

response 7314730

Ion	Exp%	Act%
252.00	100	100
253.00	21.50	22.15
125.00	17.40	17.26
0.00	0.00	0.00

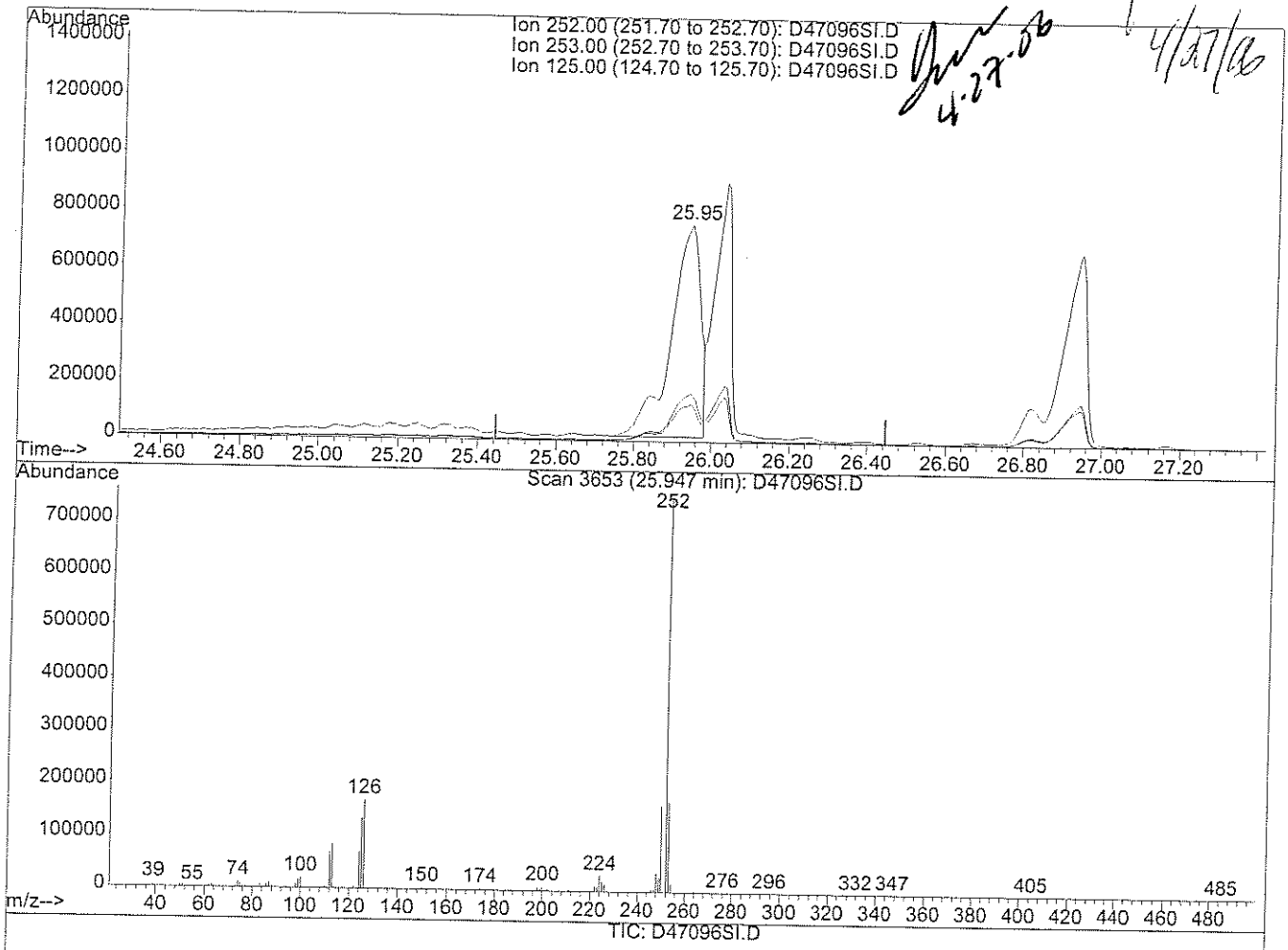
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47096SI.D
Acq On : 26 Apr 2006 4:26 pm
Sample : S6740 PT5 100/200
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:46 2006

Vial: 8
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:08:17 2006
Response via : Multiple Level Calibration



(81) Benzo[b] fluoranthene (TM)

25.95min 127.79ug/ml m

response 3957929

Ion	Exp%	Act%
252.00	100	100
253.00	21.50	40.94#
125.00	17.40	31.89#
0.00	0.00	0.00

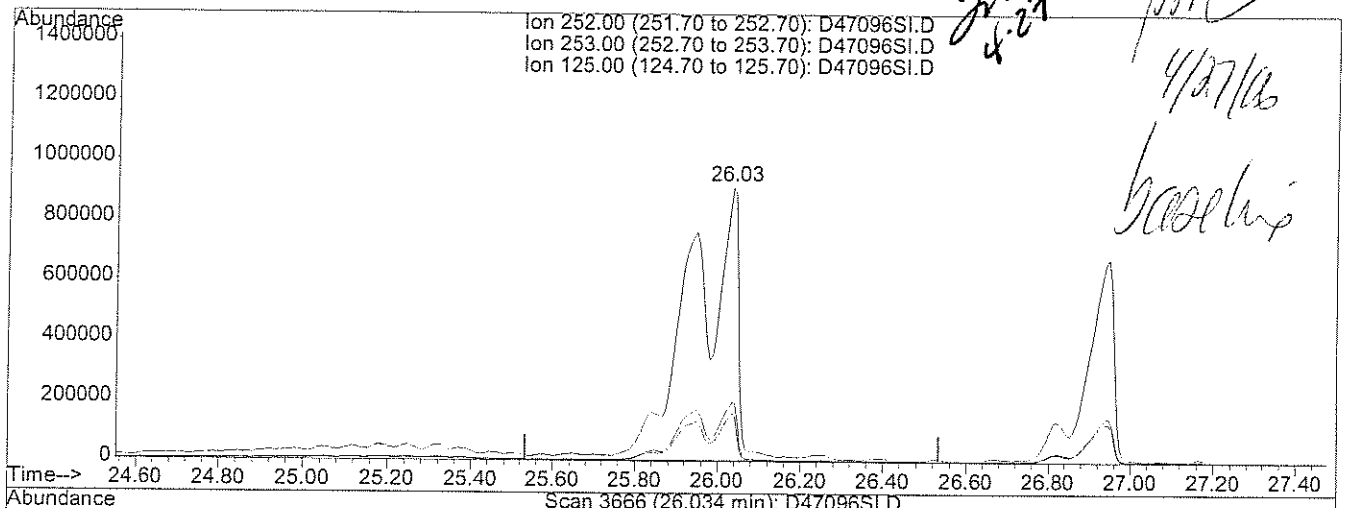
Quantitation Report (Qedit)

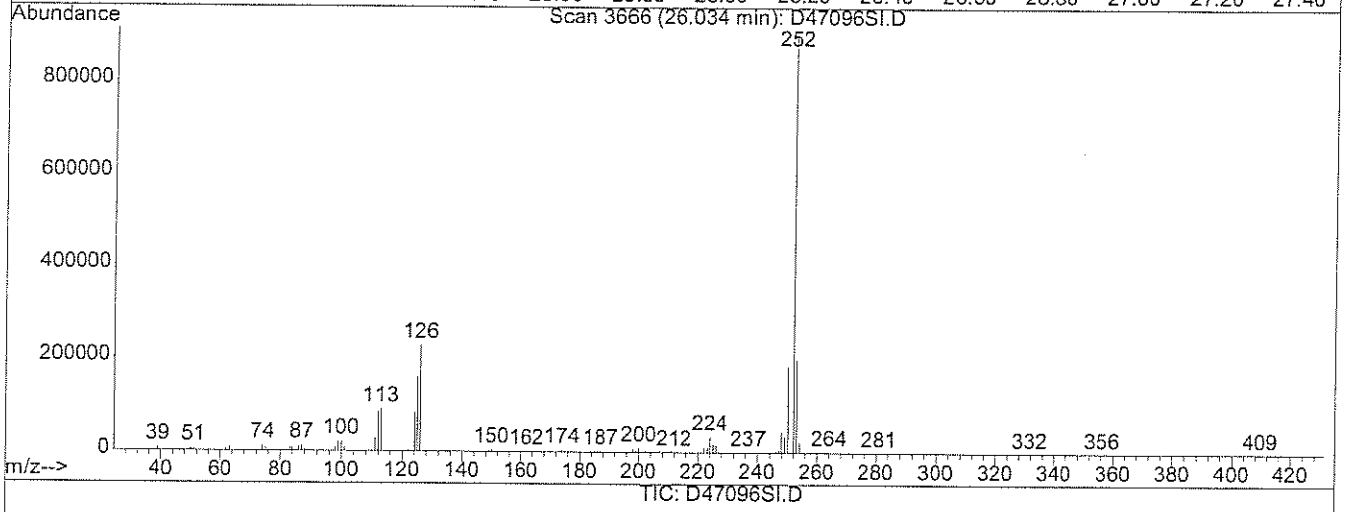
Data File : D:\HPCHEM\1\DATA\042606-D\D47096SI.D
Acq On : 26 Apr 2006 4:26 pm
Sample : S6740 PT5 100/200
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:46 2006

Vial: 8
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:08:17 2006
Response via : Multiple Level Calibration





TIC: D47096SI.D

(82) Benzo[k] fluoranthene (TM)

26.03min 220.17ug/ml

response 7429010

Ion	Exp%	Act%
252.00	100	100
253.00	22.10	22.15
125.00	17.10	17.51
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47096SI.D
Acq On : 26 Apr 2006 4:26 pm
Sample : S6740 PT5 100/200
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:46 2006

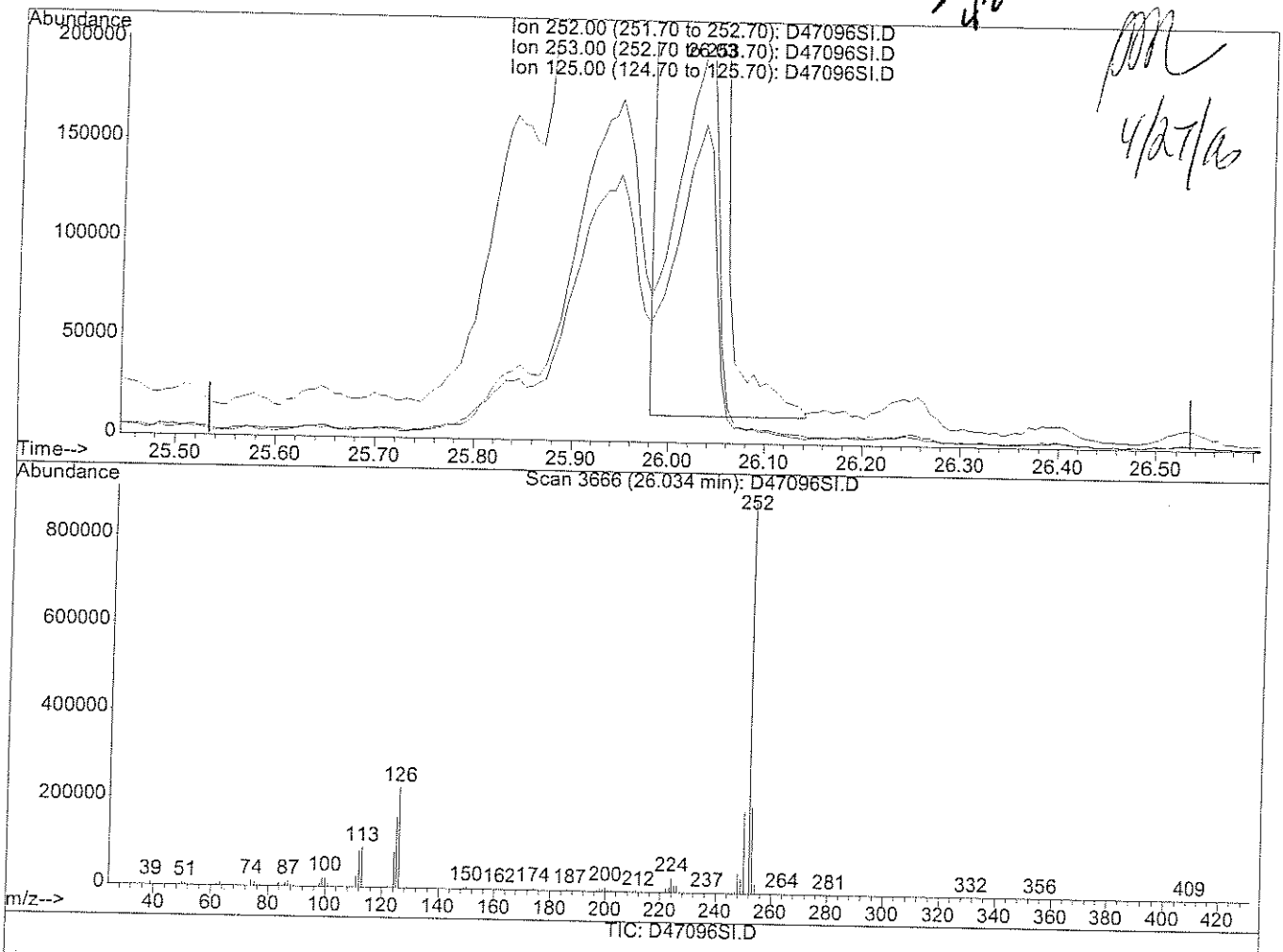
Vial: 8
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:08:17 2006
Response via : Multiple Level Calibration

4-27-06

4/27/06



(82) Benzo[k] fluoranthene (TM)

26.03min 82.03ug/ml m

response 2768038

Ion	Exp%	Act%
252.00	100	100
253.00	22.10	59.44#
125.00	17.10	47.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47096SI.D
Acq On : 26 Apr 2006 4:26 pm
Sample : S6740 PT5 100/200
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:46 2006

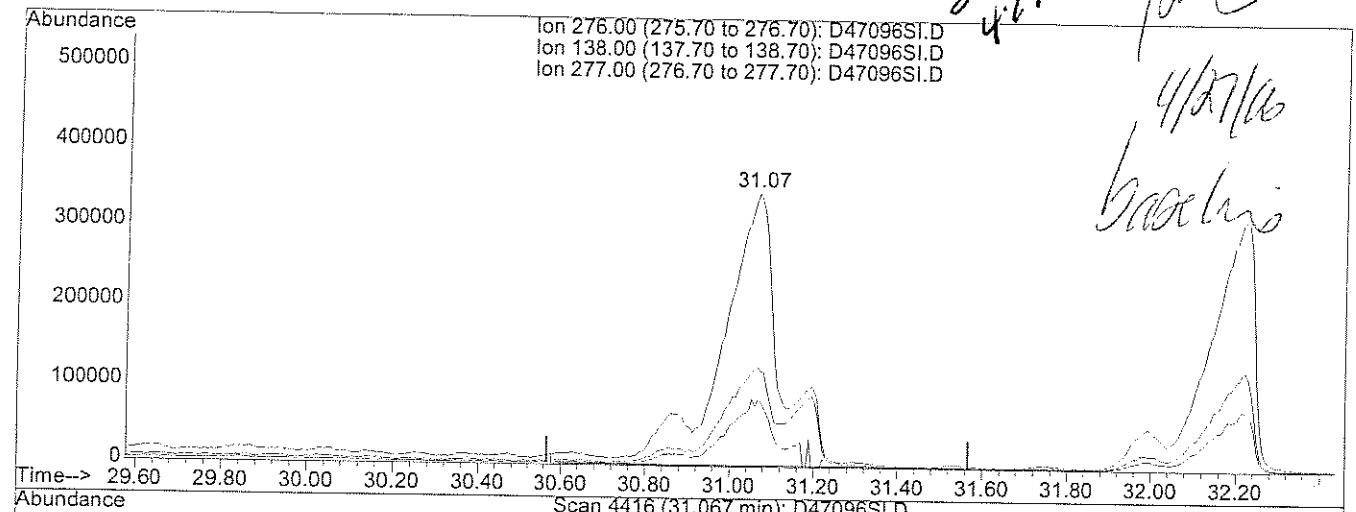
Vial: 8
Operator:
Inst : D Instrum
Multiplr: 1.00

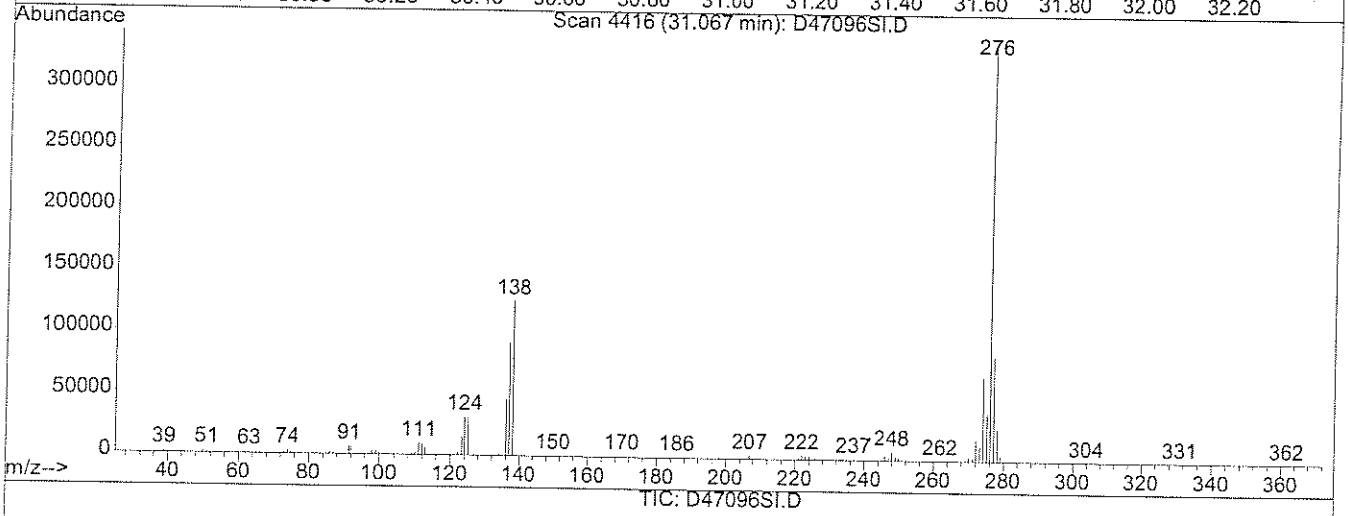
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:08:17 2006
Response via : Multiple Level Calibration

4.27.06

4/27/06





TIC: D47096SI.D

(84) Indeno [1,2,3-cd] pyrene (TM)

31.07min 120.08ug/ml

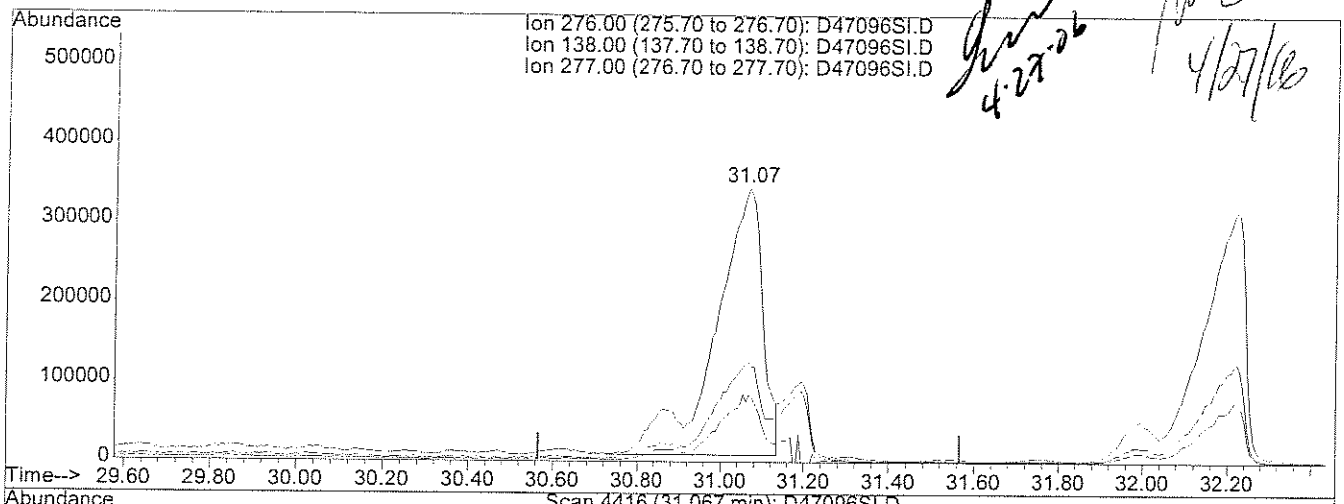
response 3408048

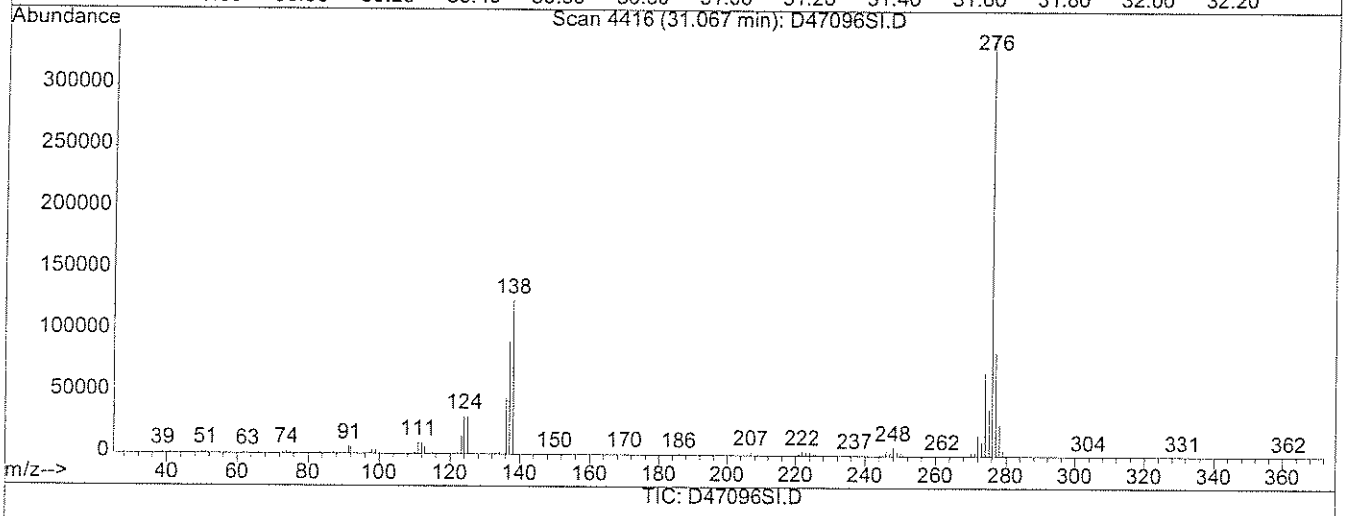
Ion	Exp%	Act%
276.00	100	100
138.00	35.80	44.38#
277.00	24.70	23.11
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47096SI.D Vial: 8
Acq On : 26 Apr 2006 4:26 pm Operator:
Sample : S6740 PT5 100/200 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:46 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:08:17 2006
Response via : Multiple Level Calibration





TIC: D47096SI.D

(84) Indeno [1,2,3-cd] pyrene (TM)

31.07min 94.23ug/ml m

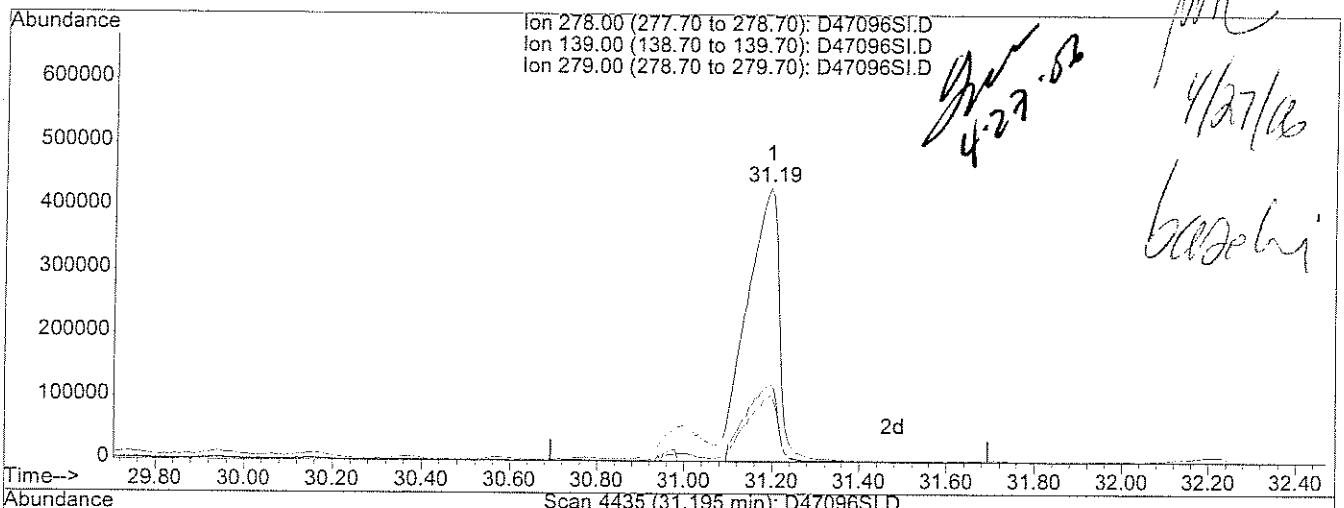
response 2674242

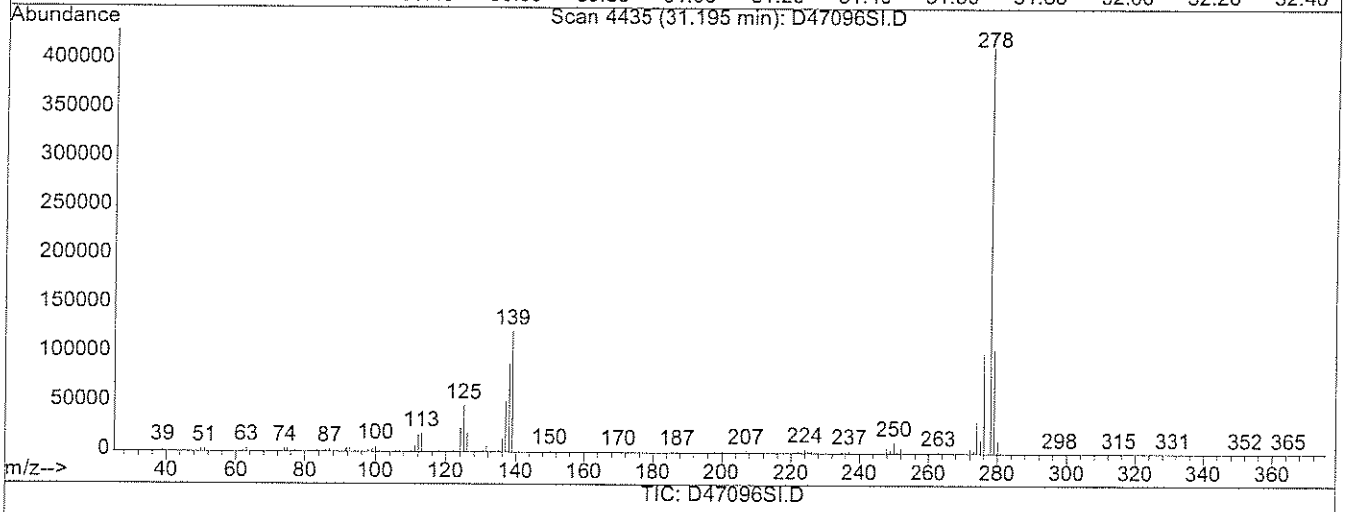
Ion	Exp%	Act%
276.00	100	100
138.00	35.80	56.55#
277.00	24.70	29.46
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\042606-D\D47096SI.D Vial: 8
Acq On : 26 Apr 2006 4:26 pm Operator:
Sample : S6740 PT5 100/200 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:46 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:08:17 2006
Response via : Multiple Level Calibration





TIC: D47096SI.D

(85) Dibenz [a,h] anthracene (TM)

31.19min 105.47ug/ml

response 2657138

Ion	Exp%	Act%
278.00	100	100
139.00	27.60	23.96
279.00	23.20	23.47
0.00	0.00	0.00

D47096SI.D S04266.M Wed Apr 26 20:46:49 2006

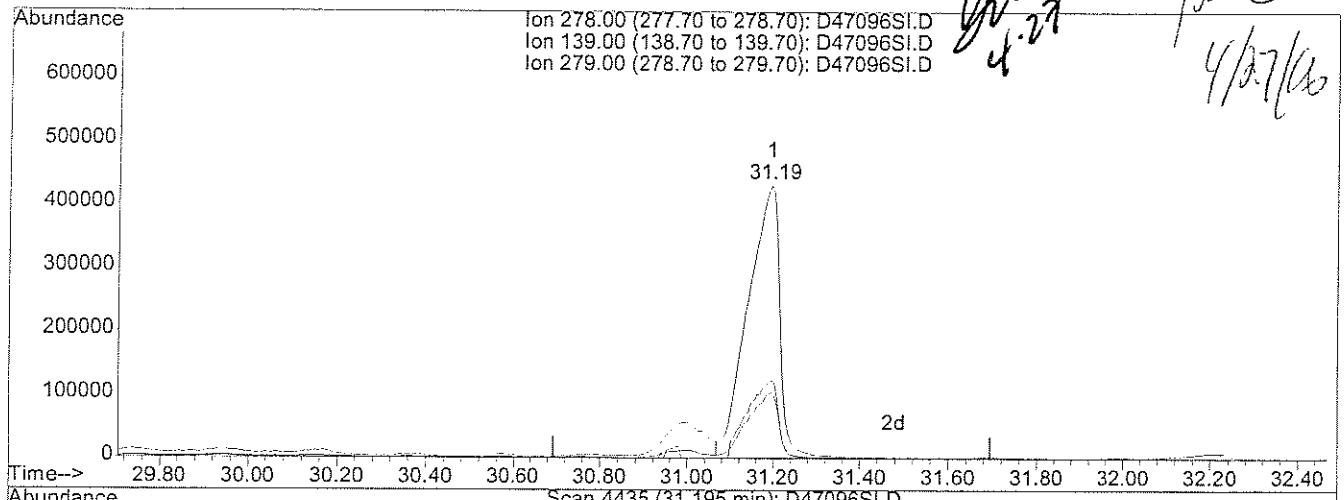
Quantitation Report (Qedit)

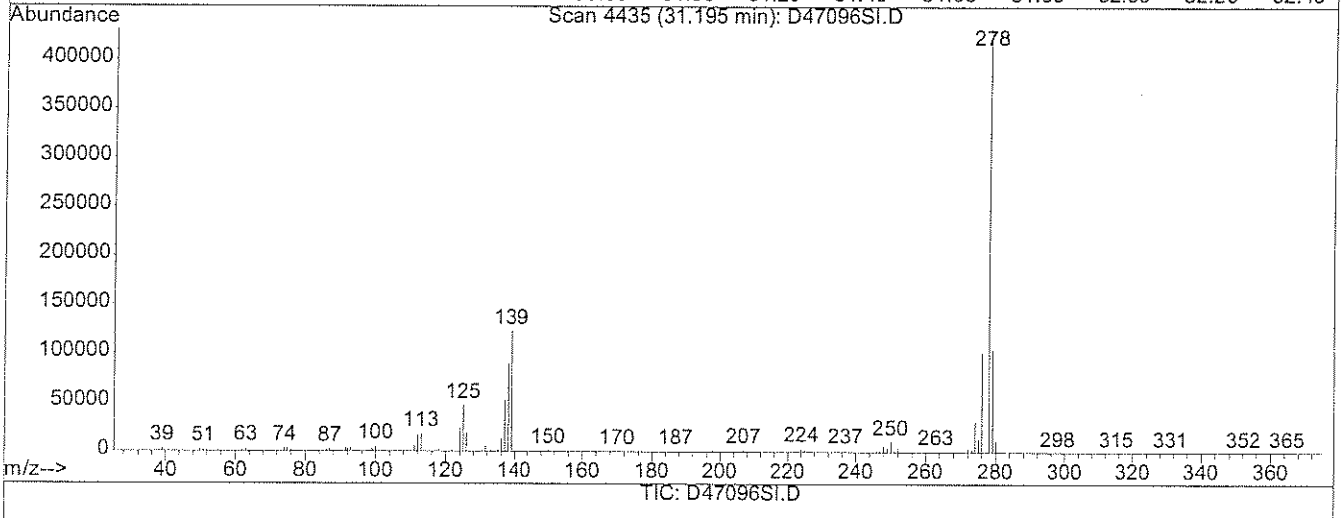
Data File : D:\HPCHEM\1\DATA\042606-D\D47096SI.D Vial: 8
Acq On : 26 Apr 2006 4:26 pm Operator:
Sample : S6740 PT5 100/200 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 20:47 2006 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 20:08:17 2006
Response via : Multiple Level Calibration

4-27-06

4/27/06





(85) Dibenz [a,h] anthracene (TM)

31.19min 88.84ug/ml m

response 2238082

Ion	Exp%	Act%
278.00	100	100
139.00	27.60	28.45
279.00	23.20	27.86#
0.00	0.00	0.00

ABN CC

Data File Name D47099.D
Date Acquired 4/26/2006 10:50
Sample Name S6776 ABN CC 20/40

pm 4/27/06

4-27-06

Name	ug/ml Amount	ug/ml Expected	% RECOVERY	70%-130%
Pyridine	18.66	20	93%	OK
N-nitrosodimethylamine	17.75	20	89%	OK
Phenol	42.10	40	105%	OK
2-Chlorophenol	42.00	40	105%	OK
bis(2-chloroethyl) ether	19.68	20	98%	OK
1,3-Dichlorobenzene	20.96	20	105%	OK
1,4-Dichlorobenzene	21.10	20	105%	OK
1,2-Dichlorobenzene	21.74	20	109%	OK
2-Methylphenol	41.62	40	104%	OK
bis(2-chloroisopropyl)ether	20.19	20	101%	OK
3+4-Methylphenol	39.55	40	99%	OK
Hexachloroethane	20.52	20	103%	OK
N-nitroso-di-n-propylamine	21.59	20	108%	OK
Nitrobenzene	20.85	20	104%	OK
Isophorone	23.16	20	116%	OK
2-Nitrophenol	43.26	40	108%	OK
2,4-Dimethylphenol	40.49	40	101%	OK
Bis(2-chloroethoxy)methane	19.79	20	99%	OK
2,4-Dichlorophenol	42.25	40	106%	OK
Benzoic Acid	37.63	40	94%	OK
1,2,4-Trichlorobenzene	20.88	20	104%	OK
Naphthalene	21.40	20	107%	OK
2,6-Dichlorophenol	42.61	40	107%	OK
Hexachlorobutadiene	21.35	20	107%	OK
4-Chloro-3-methylphenol	41.46	40	104%	OK
Hexachlorocyclopentadiene	24.75	20	124%	OK
2,4,6-Trichlorophenol	43.06	40	108%	OK
2,4,5-Trichlorophenol	41.03	40	103%	OK
2-Chloronaphthalene	21.15	20	106%	OK
2,6-Dinitrotoluene	21.54	20	108%	OK
Dimethyl Phthalate	20.81	20	104%	OK
Acenaphthylene	22.43	20	112%	OK
Acenaphthene	21.72	20	109%	OK
2,4-dinitrophenol	39.17	40	98%	OK
4-Nitrophenol	44.54	40	111%	OK
2,4-Dinitrotoluene	22.65	20	113%	OK
2,3,4,6-Tetrachlorophenol	46.37	40	116%	OK
Fluorene	21.68	20	108%	OK
Diethyl Phthalate	22.43	20	112%	OK
4-Chlorophenyl phenyl ether	21.31	20	107%	OK
4,6-Dinitro-2-methylphenol	43.41	40	109%	OK
n-nitrosodiphenylamine	21.48	20	107%	OK
Azobenzene	19.59	20	98%	OK
4-bromophenyl phenyl ether	19.40	20	97%	OK
Hexachlorobenzene	21.55	20	108%	OK
Pentachlorophenol	35.26	40	88%	OK
Phenanthrene	20.64	20	103%	OK
Anthracene	21.42	20	107%	OK
Carbazole	21.02	20	105%	OK
Di-n-butyl phthalate	22.38	20	112%	OK
Fluoranthene	22.16	20	111%	OK
Pyrene	20.45	20	102%	OK
Butyl benzyl phthalate	20.40	20	102%	OK
Benzo[a]anthracene	20.85	20	104%	OK
Chrysene	21.56	20	108%	OK
Bis (2-ethylhexyl) phthalate	19.80	20	99%	OK
di-n-octyl-phthalate	19.82	20	99%	OK
Benzo[b] fluoranthene	20.78	20	104%	OK
Benzo[k] fluoranthene	23.14	20	116%	OK
Benzo[a] pyrene	22.34	20	112%	OK
Indeno [1,2,3-cd] pyrene	22.42	20	112%	OK
Dibenz [a,h] anthracene	22.90	20	115%	OK
Benzo(g,h,i) perylene	23.98	20	120%	OK
2-Fluorophenol	41.10	40	103%	OK
d5-Phenol	32.01	40	80%	OK
d5-nitrobenzene	38.34	40	96%	OK
2-Fluorobiphenyl	42.86	40	107%	OK
2,4,6-Tribromophenol	41.04	40	103%	OK
d14-p-terphenyl	38.88	40	97%	OK

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47099.D
Acq On : 26 Apr 2006 10:50 pm
Sample : S6776 ABN CC 20/40
Misc :
Integration Params: RTEINT.P
Quant Time: Apr 26 23:02 2006

Vial: 9
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4.27.06 4/27/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.80	152	590985	40.00	ug/ml	0.00
19) d8-Naphthalene	8.74	136	2161181	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.03	164	980101	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.60	188	1676238	40.00	ug/ml	0.00
71) d12-Chrysene	23.06	240	1472261	40.00	ug/ml	0.00
79) d12-Perylene	27.10	264	1277407	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.53	112	840074	41.10	ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 54.80%			
5) d5-Phenol	5.42	99	835910	32.01	ug/ml	0.00
Spiked Amount 75.000	Range 22 - 110		Recovery = 42.68%			
20) d5-nitrobenzene	7.14	82	941629	38.34	ug/ml	0.00
Spiked Amount 50.000	Range 45 - 107		Recovery = 76.68%			
39) 2-Fluorobiphenyl	11.43	172	1347396	42.86	ug/ml	0.00
Spiked Amount 50.000	Range 44 - 102		Recovery = 85.72%			
60) 2,4,6-Tribromophenol	15.02	330	241121	41.04	ug/ml	0.00
Spiked Amount 75.000	Range 63 - 127		Recovery = 54.72%#			
73) d14-p-terphenyl	20.56	244	1270540	38.88	ug/ml	0.00
Spiked Amount 50.000	Range 33 - 132		Recovery = 77.76%			
Target Compounds						Qvalue
2) Pyridine	1.53	79	643756	18.66	ug/ml	98
3) N-nitrosodimethylamine	1.52	42	361705	17.75	ug/ml	94
6) Aniline	5.22	93	537	0.02	ug/ml	87
7) Phenol	5.47	94	1136642	42.10	ug/ml	98
8) 2-Chlorophenol	5.53	128	904494	42.00	ug/ml	99
9) bis(2-chloroethyl) ether	5.34	93	452385	19.68	ug/ml	93
10) 1,3-Dichlorobenzene	5.72	146	477567	20.96	ug/ml	100
11) 1,4-Dichlorobenzene	5.83	146	486894	21.10	ug/ml	98
12) 1,2-Dichlorobenzene	6.24	146	467879	21.74	ug/ml	98
13) Benzyl Alcohol	6.26	108	3406	0.29	ug/ml#	19
14) 2-Methylphenol	6.69	108	737626	41.62	ug/ml	99
15) bis(2-chloroisopropyl)ethe	6.53	45	862969	20.19	ug/ml	99
16) 3+4-Methylphenol	7.04	108	737434	39.55	ug/ml	99
17) Hexachloroethane	6.91	117	186837	20.52	ug/ml	98
18) N-nitroso-di-n-propylamine	6.86	70	378124	21.59	ug/ml	99
21) Nitrobenzene	7.18	123	241256	20.85	ug/ml	93
22) Isophorone	7.71	82	971489	23.16	ug/ml	98
23) 2-Nitrophenol	7.92	139	554072	43.26	ug/ml	99
24) 2,4-Dimethylphenol	8.20	107	755005	40.49	ug/ml	98
25) Bis(2-chloroethoxy)methane	8.29	93	498114	19.79	ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47099.D Vial: 9
Acq On : 26 Apr 2006 10:50 pm Operator:
Sample : S6776 ABN CC 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 23:02 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 2,4-Dichlorophenol	8.65	162	628012	42.25 ug/ml	100
27) Benzoic Acid	8.71	105	447769	37.63 ug/ml	97
28) 1,2,4-Trichlorobenzene	8.65	180	319906	20.88 ug/ml	97
29) Naphthalene	8.79	128	1183828	21.40 ug/ml	100
30) 2,6-Dichlorophenol	9.08	162	628125	42.61 ug/ml	86
31) 4-Chloroaniline	9.01	127	349	0.01 ug/ml#	40
32) Hexachlorobutadiene	9.23	225	200906	21.35 ug/ml	100
33) 4-Chloro-3-methylphenol	10.49	107	645275	41.46 ug/ml	100
34) 2-Methylnaphthalene	10.49	141	65933	2.07 ug/ml#	1
36) Hexachlorocyclopentadiene	11.01	237	150034	24.75 ug/ml	98
37) 2,4,6-Trichlorophenol	11.32	196	412106	43.06 ug/ml	99
38) 2,4,5-Trichlorophenol	11.59	196	414551	41.03 ug/ml	98
40) 2-Chloronaphthalene	11.63	162	636942	21.15 ug/ml	96
41) 2-Nitroaniline	12.03	138	250	0.02 ug/ml#	1
42) 2,6-Dinitrotoluene	12.75	165	188448	21.54 ug/ml	100
43) Dimethyl Phthalate	12.57	163	723397	20.81 ug/ml	99
44) Acenaphthylene	12.64	152	1083718	22.43 ug/ml	100
45) 3-Nitroaniline	13.06	138	52	0.00 ug/ml#	1
46) Acenaphthene	13.11	154	613190	21.72 ug/ml	99
47) 2,4-dinitrophenol	13.34	184	181649	39.17 ug/ml	100
48) Dibenzofuran	13.50	168	3457	0.09 ug/ml	97
49) 4-Nitrophenol	14.04	109	181224	44.54 ug/ml	99
50) 2,4-Dinitrotoluene	13.69	165	252144	22.65 ug/ml	99
51) 2,3,4,6-Tetrachlorophenol	14.01	232	341429	46.37 ug/ml	97
52) Fluorene	14.34	166	684539	21.68 ug/ml	100
53) Diethyl Phthalate	14.31	149	798682	22.43 ug/ml	100
54) 4-Chlorophenyl phenyl eth	14.38	204	333905	21.31 ug/ml	99
55) 4-Nitroaniline	14.62	138	52	0.01 ug/ml#	9
56) 4,6-Dinitro-2-methylphenol	14.68	198	299162	43.41 ug/ml	98
57) n-nitrosodiphenylamine	14.72	169	458271	21.48 ug/ml	99
58) Azobenzene	14.75	77	994693	19.59 ug/ml	99
59) Biphenyl	11.63	154	2357	0.06 ug/ml#	85
62) 4-bromophenyl phenyl ether	15.55	248	190511	19.40 ug/ml	95
63) Hexachlorobenzene	15.87	284	237234	21.55 ug/ml	99
64) Pentachlorophenol	16.42	266	212113	35.26 ug/ml	98
65) Phenanthrene	16.66	178	914020	20.64 ug/ml	100
66) Anthracene	16.76	178	923477	21.42 ug/ml	98
67) Carbazole	17.25	167	871754	21.02 ug/ml	100
68) Di-n-butyl phthalate	18.25	149	1354636	22.38 ug/ml	100
69) Fluoranthene	19.55	202	998674	22.16 ug/ml	99
70) Benzidine	19.97	184	1296	0.12 ug/ml#	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47099.D
Acq On : 26 Apr 2006 10:50 pm
Sample : S6776 ABN CC 20/40
Misc :
Integration Params: RTEINT.P
Quant Time: Apr 26 23:02 2006

Vial: 9
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: S04266.RES

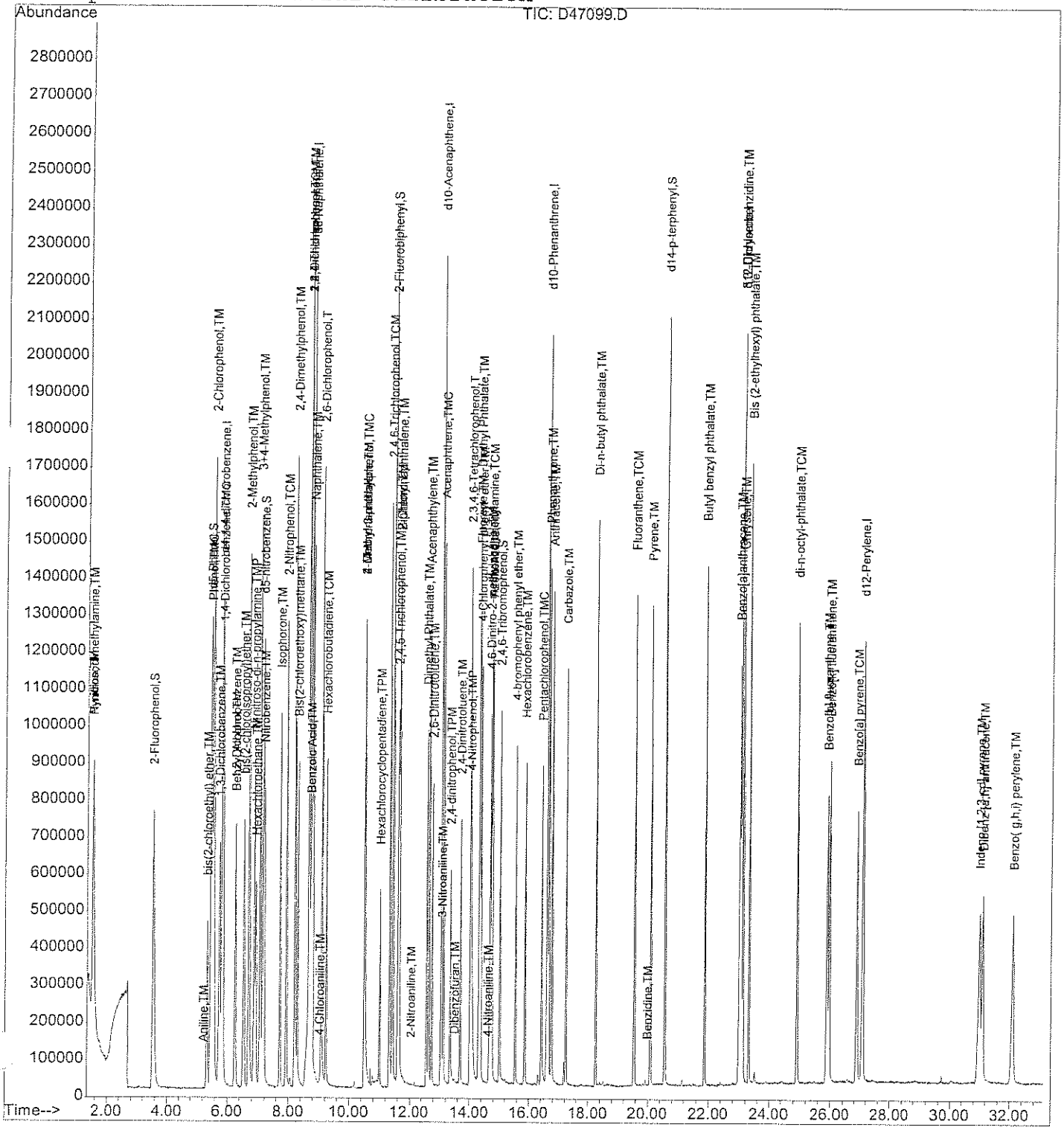
Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
72) Pyrene	20.09	202	1036393	20.45 ug/ml	100
74) Butyl benzyl phthalate	21.86	149	584368	20.40 ug/ml	99
75) Benzo[a]anthracene	23.01	228	924985	20.85 ug/ml	100
76) Chrysene	23.11	228	851204	21.56 ug/ml	100
77) 3,3'-Dichlorobenzidine	23.06	252	702	0.05 ug/ml#	1
78) Bis (2-ethylhexyl) phthala	23.31	149	777051	19.80 ug/ml	99
80) di-n-octyl-phthalate	24.92	149	1194342	19.82 ug/ml	100
81) Benzo[b] fluoranthene	25.90	252	818906	20.78 ug/ml	100
82) Benzo[k] fluoranthene	25.98	252	816722	23.14 ug/ml	99
83) Benzo[a] pyrene	26.88	252	776727	22.34 ug/ml	99
84) Indeno [1,2,3-cd] pyrene	30.99	276	742334	22.42 ug/ml	98
85) Dibenz [a,h] anthracene	31.10	278	703913	22.90 ug/ml	98
86) Benzo(g,h,i) perylene	32.11	276	773576	23.98 ug/ml	99

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042606-D\D47099.D Vial: 9
Acq On : 26 Apr 2006 10:50 pm Operator:
Sample : S6776 ABN CC 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 23:02 2006 Quant Results File: S04266.RES

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration



BENZIDINES + ANILINES
CC

Data File Name D47100.D
Date Acquired 4/26/2006 11:35
Sample Name S6777 BENZIDINES + ANILINES

Name	ug/ml Amount	ug/ml Expected	% RECOVERY	70%-130%
Aniline	22.98	20	115%	OK
Benzyl Alcohol	21.36	20	107%	OK
4-Chloroaniline	21.12	20	106%	OK
2-Methylnaphthalene	19.95	20	100%	OK
2-Nitroaniline	20.55	20	103%	OK
3-Nitroaniline	20.72	20	104%	OK
Dibenzofuran	20.72	20	104%	OK
4-Nitroaniline	22.17	20	111%	OK
Benzidine	63.47	20	317%	*
3,3'-Dichlorobenzidine	23.78	20	119%	OK

4/27/06

4-27-06

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47100.D Vial: 10
Acq On : 26 Apr 2006 11:35 pm Operator:
Sample : S6777 BENZIDINES + ANILINES CC 20 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 23:39 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4-27-06

4/27/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.80	152	563415	40.00	ug/ml	0.00
19) d8-Naphthalene	8.73	136	2027755	40.00	ug/ml	0.00
35) d10-Acenaphthene	13.03	164	925243	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.59	188	1508495	40.00	ug/ml	0.00
71) d12-Chrysene	23.05	240	1355078	40.00	ug/ml	-0.01
79) d12-Perylene	27.08	264	1224699	40.00	ug/ml	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	3.53	112	111	0.01	ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 0.01%#			
5) d5-Phenol	5.48	99	57	0.00	ug/ml	0.05
Spiked Amount 75.000	Range 22 - 110		Recovery = 0.00%#			
20) d5-nitrobenzene	7.12	82	156	0.01	ug/ml	-0.01
Spiked Amount 50.000	Range 45 - 107		Recovery = 0.02%#			
39) 2-Fluorobiphenyl	11.42	172	101	0.00	ug/ml	-0.01
Spiked Amount 50.000	Range 44 - 102		Recovery = 0.00%#			
60) 2,4,6-Tribromophenol	14.99	330	41	0.01	ug/ml	-0.02
Spiked Amount 75.000	Range 63 - 127		Recovery = 0.01%#			
73) d14-p-terphenyl	20.54	244	1210	0.04	ug/ml	-0.01
Spiked Amount 50.000	Range 33 - 132		Recovery = 0.08%#			
Target Compounds						Qvalue
6) Aniline	5.23	93	670937	22.98	ug/ml	95
9) bis(2-chloroethyl) ether	5.23	93	670937	30.61	ug/ml#	18
13) Benzyl Alcohol	6.22	108	241500	21.36	ug/ml	96
31) 4-Chloroaniline	9.04	127	487179	21.12	ug/ml	98
34) 2-Methylnaphthalene	10.45	141	595383	19.95	ug/ml	89
41) 2-Nitroaniline	12.06	138	271399	20.55	ug/ml	97
45) 3-Nitroaniline	13.08	138	213963	20.72	ug/ml	99
47) 2,4-dinitrophenol	13.35	184	52	4.60	ug/ml#	1
48) Dibenzofuran	13.49	168	781745	20.72	ug/ml	97
55) 4-Nitroaniline	14.59	138	212747	22.17	ug/ml	97
70) Benzidine	19.97	184	627966	63.47	ug/ml	96
77) 3,3'-Dichlorobenzidine	23.06	252	335351	23.78	ug/ml	98

(#) = qualifier out of range (m) = manual integration

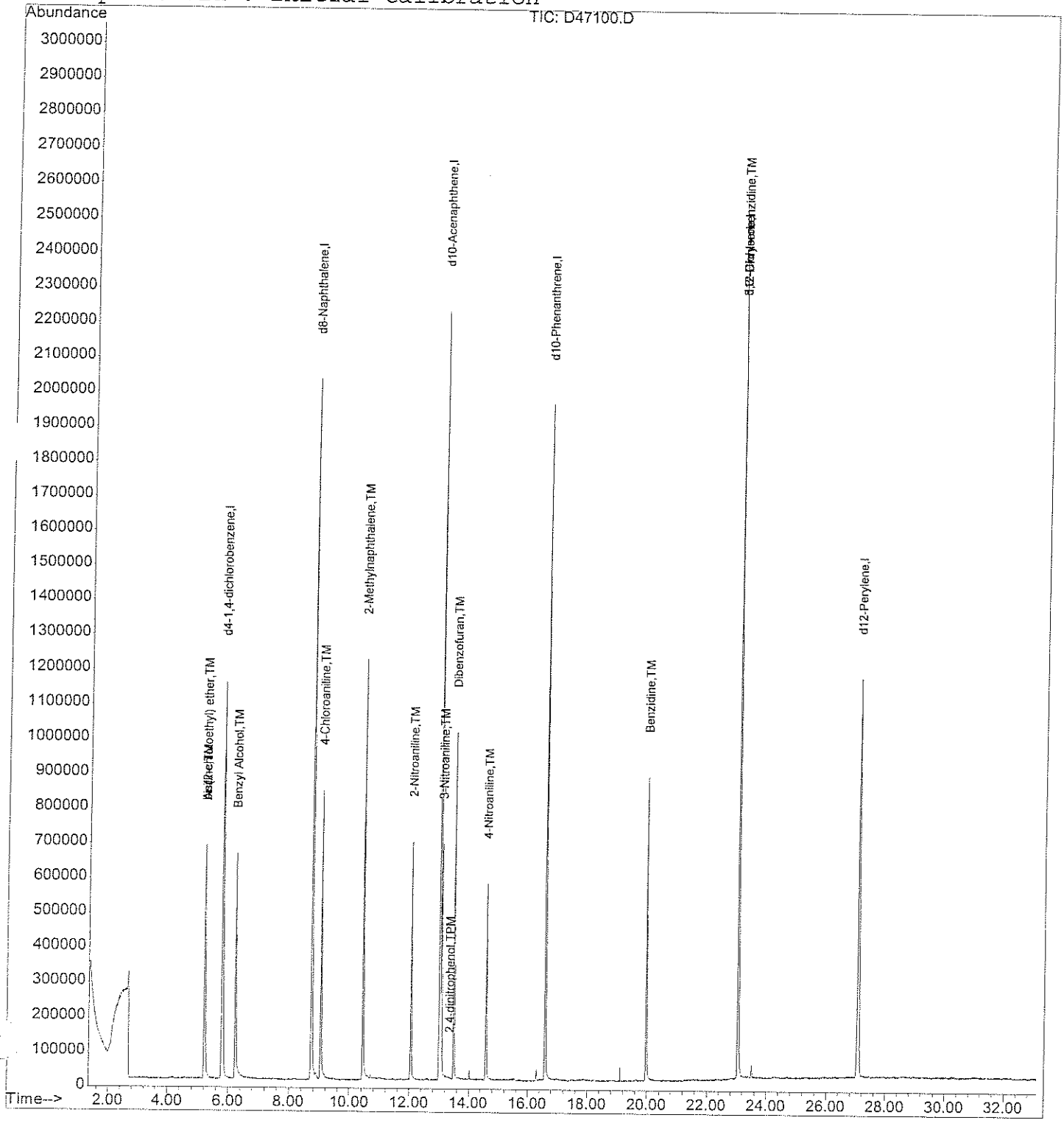
Quantitation Report

Data File : D:\HPCHEM\1\DATA\042606-D\D47100.D
Acq On : 26 Apr 2006 11:35 pm
Sample : S6777 BENZIDINES + ANILINES CC 20
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 26 23:39 2006

Vial: 10
Operator:
Inst : D Instrum
Multiplr: 1.00

Quant Results File: S04266.RES

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : D:\HPCHEM\1\DATA\042606-D\D47098SC.D Vial: 5
Acq On : 26 Apr 2006 10:14 pm Operator:
Sample : S6761 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Multiple Level Calibration

4.27.06 4/27/06

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	d4-1,4-dichlorobenzene	1.000	1.000	0.0	100	0.01
2	TM	Pyridine	2.335	2.220	4.9	95	0.00
3	TM	N-nitrosodimethylamine	1.379	1.343	2.6	94	0.00
4	S	2-Fluorophenol	1.383	1.437	-3.9	100	0.00
5	S	d5-Phenol	1.767	1.839	-4.1	98	0.00
6	TM	Aniline	2.073	1.938	6.5	98	0.00
7	TMC	Phenol	1.828	1.888	-3.3	98	0.00
8	TM	2-Chlorophenol	1.458	1.479	-1.4	97	0.00
9	TM	bis(2-chloroethyl) ether	1.556	1.573	-1.1	97	0.00
10	TM	1,3-Dichlorobenzene	1.542	1.575	-2.1	98	0.00
11	TMC	1,4-Dichlorobenzene	1.562	1.557	0.3	97	0.01
12	TM	1,2-Dichlorobenzene	1.457	1.500	-3.0	99	0.01
13	TM	Benzyl Alcohol	0.803	0.873	-8.7	101	0.00
[illegible]	TM	2-Methylphenol	1.200	1.253	-4.4	101	0.00
15	TM	bis(2-chloroisopropyl)ether	2.893	3.012	-4.1	99	0.00
16	TM	3+4-Methylphenol	1.262	1.322	-4.8	100	0.00
17	TM	Hexachloroethane	0.616	0.646	-4.9	101	0.00
18	TMP	N-nitroso-di-n-propylamine	1.186	1.209	-1.9	100	0.00
19	I	d8-Naphthalene	1.000	1.000	0.0	95	0.01
20	S	d5-nitrobenzene	0.455	0.480	-5.5	100	0.00
21	TM	Nitrobenzene	0.214	0.230	-7.5	100	0.00
22	TM	Isophorone	0.776	0.801	-3.2	96	0.00
23	TCM	2-Nitrophenol	0.237	0.257	-8.4	103	0.00
24	TM	2,4-Dimethylphenol	0.345	0.356	-3.2	98	0.00
25	TM	Bis(2-chloroethoxy)methane	0.466	0.485	-4.1	98	0.01
26	TCM	2,4-Dichlorophenol	0.275	0.291	-5.8	97	0.00
27	TM	Benzoic Acid	0.202	0.219	-8.4	95	0.00
28	TM	1,2,4-Trichlorobenzene	0.284	0.290	-2.1	96	0.00
29	TM	Naphthalene	1.024	1.066	-4.1	97	0.00
30	T	2,6-Dichlorophenol	0.273	0.285	-4.4	99	0.00
31	TM	4-Chloroaniline	0.455	0.455	0.0	96	0.00
32	TCM	Hexachlorobutadiene	0.174	0.185	-6.3	97	0.00
33	TMC	4-Chloro-3-methylphenol	0.288	0.307	-6.6	101	0.00
34	TM	2-Methylnaphthalene	0.589	0.648	-10.0	97	0.00
35	I	d10-Acenaphthene	1.000	1.000	0.0	99	0.00
36	TPM	Hexachlorocyclopentadiene	0.203	0.226	-11.3	99	0.00
[illegible]	TCM	2,4,6-Trichlorophenol	0.391	0.394	-0.8	97	0.00
[illegible]	TM	2,4,5-Trichlorophenol	0.412	0.427	-3.6	99	0.00
39	S	2-Fluorobiphenyl	1.283	1.318	-2.7	99	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\HPCHEM\1\DATA\042606-D\D47098SC.D
Acq On : 26 Apr 2006 10:14 pm
Sample : S6761 PT3 20/40
Misc :
MS Integration Params: RTEINT.P

Vial: 5
Operator:
Inst : D Instrum
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	TM	2-Chloronaphthalene	1.229	1.250	-1.7	98	0.00
41	TM	2-Nitroaniline	0.571	0.603	-5.6	101	0.00
42	TM	2,6-Dinitrotoluene	0.357	0.375	-5.0	99	0.00
43	TM	Dimethyl Phthalate	1.419	1.437	-1.3	97	0.00
44	TM	Acenaphthylene	1.972	2.040	-3.4	99	0.00
45	TM	3-Nitroaniline	0.446	0.456	-2.2	97	0.00
46	TMC	Acenaphthene	1.152	1.152	0.0	98	0.00
47	TPM	2,4-dinitrophenol	0.164	0.184	-12.2	99	0.00
48	TM	Dibenzofuran	1.631	1.680	-3.0	99	0.00
49	TMP	4-Nitrophenol	0.166	0.176	-6.0	94	0.00
50	TM	2,4-Dinitrotoluene	0.454	0.478	-5.3	99	0.00
51	T	2,3,4,6-Tetrachlorophenol	0.300	0.301	-0.3	95	0.00
52	TM	Fluorene	1.289	1.317	-2.2	97	0.00
!	TM	Diethyl Phthalate	1.453	1.555	-7.0	97	0.00
54	TM	4-Chlorophenyl phenyl ethe	0.640	0.658	-2.8	100	0.00
55	TM	4-Nitroaniline	0.415	0.452	-8.9	98	0.00
56	TM	4,6-Dinitro-2-methylphenol	0.240	0.294	-22.5#	102	0.00
57	TCM	n-nitrosodiphenylamine	0.871	0.881	-1.1	100	0.00
58	TM	Azobenzene	2.072	2.015	2.8	100	0.00
59	TM	Biphenyl	1.574	1.609	-2.2	98	0.01
60	S	2,4,6-Tribromophenol	0.240	0.248	-3.3	99	0.00
61	I	d10-Phenanthrene	1.000	1.000	0.0	95	0.00
62	TM	4-bromophenyl phenyl ether	0.234	0.238	-1.7	95	0.00
63	TM	Hexachlorobenzene	0.263	0.281	-6.8	100	0.00
64	TMC	Pentachlorophenol	0.140	0.140	0.0	91	0.00
65	TM	Phenanthrene	1.057	1.080	-2.2	95	0.00
66	TM	Anthracene	1.029	1.072	-4.2	95	0.00
67	TM	Carbazole	0.989	1.042	-5.4	96	0.00
68	TM	Di-n-butyl phthalate	1.445	1.630	-12.8	98	0.00
69	TCM	Fluoranthene	1.075	1.155	-7.4	96	0.00
70	TM	Benzidine	0.262	0.119	54.6#	107	0.00
71	I	d12-Chrysene	1.000	1.000	0.0	93	0.00
72	TM	Pyrene	1.377	1.314	4.6	94	0.00
73	S	d14-p-terphenyl	0.888	0.915	-3.0	96	0.00
74	TM	Butyl benzyl phthalate	0.778	0.772	0.8	88	0.00
75	TM	Benzo[a]anthracene	1.205	1.175	2.5	94	0.00
7	TM	Chrysene	1.073	1.081	-0.7	93	0.00
	TM	3,3'-Dichlorobenzidine	0.416	0.413	0.7	91	0.00
78	TM	Bis (2-ethylhexyl) phthalat	1.066	1.049	1.6	91	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\HPCHEM\1\DATA\042606-D\D47098SC.D Vial: 5
Acq On : 26 Apr 2006 10:14 pm Operator:
Sample : S6761 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
79	I	d12-Perylene	1.000	1.000	0.0	91	0.00
80	TCM	di-n-octyl-phthalate	1.887	1.986	-5.2	91	0.00
81	TM	Benzo[b] fluoranthene	1.234	1.224	0.8	90	0.00
82	TM	Benzo[k] fluoranthene	1.105	1.150	-4.1	90	0.00
83	TCM	Benzo[a] pyrene	1.089	1.100	-1.0	90	0.00
84	TM	Indeno [1,2,3-cd] pyrene	1.037	1.138	-9.7	97	0.00
85	TM	Dibenz [a,h] anthracene	0.963	1.076	-11.7	94	0.01
86	TM	Benzo(g,h,i) perylene	1.010	1.118	-10.7	93	0.00

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47098SC.D Vial: 5
Acq On : 26 Apr 2006 10:14 pm Operator:
Sample : S6761 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 22:28 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration
DataAcq Meth : ABN

4-27-06 4/27/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.81	152	584904	40.00	ug/ml	0.01
19) d8-Naphthalene	8.75	136	2061181	40.00	ug/ml	0.01
35) d10-Acenaphthene	13.03	164	983189	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.60	188	1589644	40.00	ug/ml	0.00
71) d12-Chrysene	23.06	240	1419421	40.00	ug/ml	0.00
79) d12-Perylene	27.10	264	1231592	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.53	112	840671	41.56	ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 55.41%			
5) d5-Phenol	5.43	99	1075386	41.61	ug/ml	0.00
Spiked Amount 75.000	Range 22 - 110		Recovery = 55.48%			
20) d5-nitrobenzene	7.14	82	988397	42.20	ug/ml	0.00
Spiked Amount 50.000	Range 45 - 107		Recovery = 84.40%			
39) 2-Fluorobiphenyl	11.44	172	1296160	41.10	ug/ml	0.00
Spiked Amount 50.000	Range 44 - 102		Recovery = 82.20%			
60) 2,4,6-Tribromophenol	15.02	330	243542	41.33	ug/ml	0.00
Spiked Amount 75.000	Range 63 - 127		Recovery = 55.11%(#)			
73) d14-p-terphenyl	20.56	244	1298828	41.23	ug/ml	0.00
Spiked Amount 50.000	Range 33 - 132		Recovery = 82.46%			
Target Compounds						Qvalue
2) Pyridine	1.54	79	649314	19.01	ug/ml	99
3) N-nitrosodimethylamine	1.52	42	392648	19.47	ug/ml	99
6) Aniline	5.23	93	566645	18.69	ug/ml	99
7) Phenol	5.46	94	1104409	41.33	ug/ml	100
8) 2-Chlorophenol	5.53	128	865080	40.58	ug/ml	99
9) bis(2-chloroethyl) ether	5.34	93	459936	20.22	ug/ml	98
10) 1,3-Dichlorobenzene	5.72	146	460719	20.43	ug/ml	99
11) 1,4-Dichlorobenzene	5.84	146	455415	19.94	ug/ml	100
12) 1,2-Dichlorobenzene	6.25	146	438759	20.60	ug/ml	100
13) Benzyl Alcohol	6.23	108	255234	21.75	ug/ml	97
14) 2-Methylphenol	6.69	108	733049	41.79	ug/ml	99
15) bis(2-chloroisopropyl)ethe	6.53	45	880781	20.82	ug/ml	99
16) 3+4-Methylphenol	7.04	108	773474	41.92	ug/ml	97
17) Hexachloroethane	6.91	117	188860	20.96	ug/ml	99
18) N-nitroso-di-n-propylamine	6.87	70	353548	20.39	ug/ml	98
21) Nitrobenzene	7.18	123	236780	21.46	ug/ml	99
22) Isophorone	7.71	82	825035	20.62	ug/ml	98
23) 2-Nitrophenol	7.93	139	530323	43.42	ug/ml	99
24) 2,4-Dimethylphenol	8.20	107	732888	41.21	ug/ml	98
25) Bis(2-chloroethoxy)methane	8.30	93	499801	20.82	ug/ml	93

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47098SC.D Vial: 5
Acq On : 26 Apr 2006 10:14 pm Operator:
Sample : S6761 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 22:28 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration
DataAcq Meth : ABN

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26)	2,4-Dichlorophenol	8.65	162	600085	42.33 ug/ml	97
27)	Benzoic Acid	8.71	105	450625	39.53 ug/ml	99
28)	1,2,4-Trichlorobenzene	8.65	180	298415	20.42 ug/ml	98
29)	Naphthalene	8.79	128	1098354	20.82 ug/ml	99
30)	2,6-Dichlorophenol	9.08	162	586430	41.71 ug/ml	100
31)	4-Chloroaniline	9.05	127	468705	19.99 ug/ml	96
32)	Hexachlorobutadiene	9.23	225	190165	21.19 ug/ml	99
33)	4-Chloro-3-methylphenol	10.49	107	633806	42.70 ug/ml	96
34)	2-Methylnaphthalene	10.45	141	667408	22.00 ug/ml	99
36)	Hexachlorocyclopentadiene	11.01	237	111003	18.94 ug/ml	97
37)	2,4,6-Trichlorophenol	11.33	196	387712	40.39 ug/ml	98
38)	2,4,5-Trichlorophenol	11.59	196	419611	41.40 ug/ml	98
40)	2-Chloronaphthalene	11.63	162	614434	20.34 ug/ml	99
41)	2-Nitroaniline	12.06	138	296501	21.13 ug/ml	98
42)	2,6-Dinitrotoluene	12.75	165	184262	20.99 ug/ml	100
43)	Dimethyl Phthalate	12.58	163	706415	20.26 ug/ml	99
44)	Acenaphthylene	12.65	152	1002866	20.69 ug/ml	99
45)	3-Nitroaniline	13.09	138	224012	20.41 ug/ml	99
46)	Acenaphthene	13.11	154	566435	20.00 ug/ml	98
47)	2,4-dinitrophenol	13.35	184	181072	38.96 ug/ml	94
48)	Dibenzofuran	13.50	168	825919	20.61 ug/ml	100
49)	4-Nitrophenol	14.05	109	173090	42.41 ug/ml	98
50)	2,4-Dinitrotoluene	13.69	165	234915	21.04 ug/ml	98
51)	2,3,4,6-Tetrachlorophenol	14.02	232	295884	40.06 ug/ml	97
52)	Fluorene	14.34	166	647350	20.44 ug/ml	98
53)	Diethyl Phthalate	14.32	149	764200	21.40 ug/ml	99
54)	4-Chlorophenyl phenyl eth	14.38	204	323681	20.59 ug/ml	99
55)	4-Nitroaniline	14.62	138	222349	21.81 ug/ml	99
56)	4,6-Dinitro-2-methylphenol	14.68	198	289034	41.78 ug/ml	98
57)	n-nitrosodiphenylamine	14.73	169	433226	20.24 ug/ml	100
58)	Azobenzene	14.76	77	990662	19.45 ug/ml	100
59)	Biphenyl	11.64	154	791185	20.44 ug/ml	99
62)	4-bromophenyl phenyl ether	15.55	248	189410	20.34 ug/ml	94
63)	Hexachlorobenzene	15.87	284	223719	21.43 ug/ml	99
64)	Pentachlorophenol	16.42	266	221825	38.52 ug/ml	97
65)	Phenanthrene	16.66	178	858229	20.44 ug/ml	99
66)	Anthracene	16.77	178	852129	20.85 ug/ml	99
67)	Carbazole	17.25	167	828389	21.07 ug/ml	99
68)	Di-n-butyl phthalate	18.25	149	1295818	22.57 ug/ml	99
69)	Fluoranthene	19.56	202	917988	21.48 ug/ml	100
70)	Benzidine	19.97	184	94517	9.06 ug/ml#	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042606-D\D47098SC.D Vial: 5
Acq On : 26 Apr 2006 10:14 pm Operator:
Sample : S6761 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 26 22:28 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration
DataAcq Meth : ABN

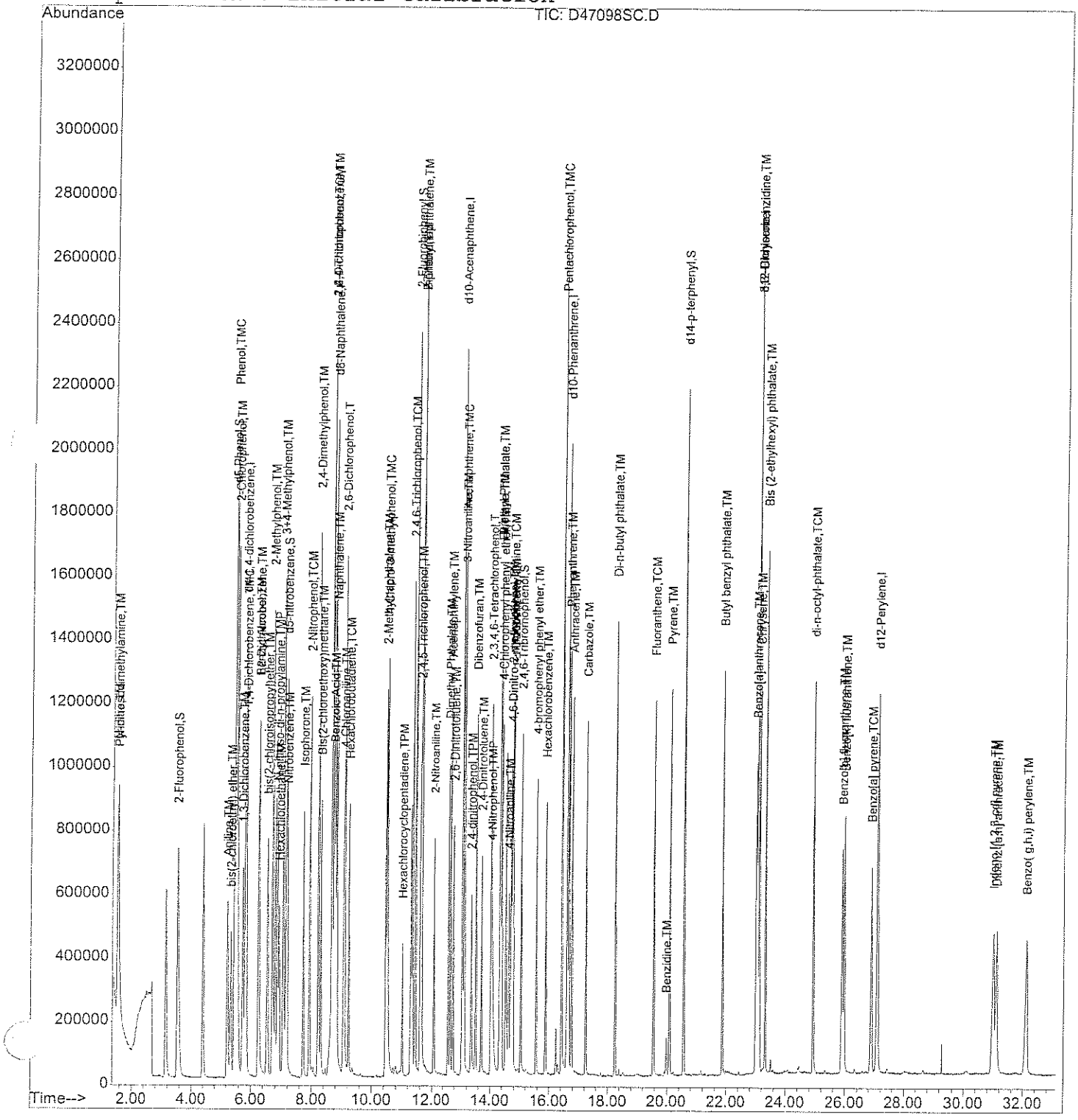
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
72) Pyrene	20.09	202	932871	19.09 ug/ml	100
74) Butyl benzyl phthalate	21.86	149	548022	19.84 ug/ml	99
75) Benzo[a]anthracene	23.01	228	833705	19.50 ug/ml	99
76) Chrysene	23.12	228	767152	20.16 ug/ml	99
77) 3,3'-Dichlorobenzidine	23.06	252	292899	19.83 ug/ml	98
78) Bis (2-ethylhexyl) phthala	23.32	149	744592	19.67 ug/ml	99
80) di-n-octyl-phthalate	24.92	149	1222907	21.05 ug/ml	100
81) Benzo[b] fluoranthene	25.90	252	753525	19.83 ug/ml	99
82) Benzo[k] fluoranthene	25.98	252	708344	20.82 ug/ml	99
83) Benzo[a] pyrene	26.88	252	677161	20.20 ug/ml	99
84) Indeno [1,2,3-cd] pyrene	30.99	276	700767	21.95 ug/ml	99
85) Dibenz [a,h] anthracene	31.10	278	662355	22.35 ug/ml	99
86) Benzo(g,h,i) perylene	32.12	276	688759	22.14 ug/ml	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\042606-D\D47098SC.D Vial: 5
Acq On : 26 Apr 2006 10:14 pm Operator:
Sample : S6761 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 22:28 2006 Quant Results File: S04266.RES

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Wed Apr 26 22:28:35 2006
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : D:\HPCHEM\1\DATA\042806-D\D47172SC.D Vial: 2
Acq On : 28 Apr 2006 11:20 pm Operator:
Sample : S6761 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Fri Apr 28 23:15:57 2006
Response via : Multiple Level Calibration

5.1.06

4/30/06

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	d4-1,4-dichlorobenzene	1.000	1.000	0.0	86	0.00
2	TM	Pyridine	2.335	2.385	-2.1	88	0.00
3	TM	N-nitrosodimethylamine	1.379	1.418	-2.8	86	0.00
4	S	2-Fluorophenol	1.383	1.439	-4.0	86	-0.02
5	S	d5-Phenol	1.767	1.860	-5.3	85	-0.01
6	TM	Aniline	2.073	1.896	8.5	83	0.00
7	TMC	Phenol	1.828	1.877	-2.7	84	-0.02
8	TM	2-Chlorophenol	1.458	1.527	-4.7	87	-0.01
9	TM	bis(2-chloroethyl) ether	1.556	1.567	-0.7	83	0.00
10	TM	1,3-Dichlorobenzene	1.542	1.619	-5.0	87	0.00
11	TMC	1,4-Dichlorobenzene	1.562	1.598	-2.3	86	0.00
12	TM	1,2-Dichlorobenzene	1.457	1.522	-4.5	86	0.00
13	TM	Benzyl Alcohol	0.803	0.921	-14.7	92	-0.02
[illegible]	TM	2-Methylphenol	1.200	1.259	-4.9	87	-0.01
15	TM	bis(2-chloroisopropyl)ether	2.893	2.956	-2.2	84	0.00
16	TM	3+4-Methylphenol	1.262	1.319	-4.5	86	-0.01
17	TM	Hexachloroethane	0.616	0.657	-6.7	89	0.00
18	TMP	N-nitroso-di-n-propylamine	1.186	1.241	-4.6	88	0.00
19	I	d8-Naphthalene	1.000	1.000	0.0	86	0.00
20	S	d5-nitrobenzene	0.455	0.480	-5.5	89	0.00
21	TM	Nitrobenzene	0.214	0.233	-8.9	91	0.00
22	TM	Isophorone	0.776	0.814	-4.9	88	0.00
23	TCM	2-Nitrophenol	0.237	0.255	-7.6	91	0.00
24	TM	2,4-Dimethylphenol	0.345	0.342	0.9	85	0.00
25	TM	Bis(2-chloroethoxy)methane	0.466	0.479	-2.8	87	0.00
26	TCM	2,4-Dichlorophenol	0.275	0.292	-6.2	87	-0.02
27	TM	Benzoic Acid	0.202	0.227	-12.4	88	-0.03
28	TM	1,2,4-Trichlorobenzene	0.284	0.297	-4.6	89	0.00
29	TM	Naphthalene	1.024	1.075	-5.0	88	0.00
30	T	2,6-Dichlorophenol	0.273	0.281	-2.9	88	0.00
31	TM	4-Chloroaniline	0.455	0.456	-0.2	86	0.00
32	TCM	Hexachlorobutadiene	0.174	0.176	-1.1	83	0.00
33	TMC	4-Chloro-3-methylphenol	0.288	0.305	-5.9	90	-0.02
34	TM	2-Methylnaphthalene	0.589	0.647	-9.8	87	0.00
35	I	d10-Acenaphthene	1.000	1.000	0.0	89	0.00
36	TPM	Hexachlorocyclopentadiene	0.203	0.179	11.8	71	0.00
37	TCM	2,4,6-Trichlorophenol	0.391	0.403	-3.1	89	0.00
[illegible]	TM	2,4,5-Trichlorophenol	0.412	0.419	-1.7	87	-0.02
39	S	2-Fluorobiphenyl	1.283	1.334	-4.0	90	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\HPCHEM\1\DATA\042806-D\D47172SC.D Vial: 2
Acq On : 28 Apr 2006 11:20 pm Operator:
Sample : S6761 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Fri Apr 28 23:15:57 2006
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	TM	2-Chloronaphthalene	1.229	1.238	-0.7	87	0.00
41	TM	2-Nitroaniline	0.571	0.611	-7.0	92	0.00
42	TM	2,6-Dinitrotoluene	0.357	0.373	-4.5	89	0.00
43	TM	Dimethyl Phthalate	1.419	1.447	-2.0	88	0.00
44	TM	Acenaphthylene	1.972	2.057	-4.3	90	0.00
45	TM	3-Nitroaniline	0.446	0.470	-5.4	90	0.00
46	TMC	Acenaphthene	1.152	1.170	-1.6	90	0.00
47	TPM	2,4-dinitrophenol	0.164	0.204	-24.4#	99	0.00
48	TM	Dibenzofuran	1.631	1.685	-3.3	89	0.00
49	TMP	4-Nitrophenol	0.166	0.194	-16.9	94	0.00
50	TM	2,4-Dinitrotoluene	0.454	0.484	-6.6	90	0.00
51	T	2,3,4,6-Tetrachlorophenol	0.300	0.326	-8.7	93	0.00
52	TM	Fluorene	1.289	1.317	-2.2	87	0.00
	TM	Diethyl Phthalate	1.453	1.537	-5.8	86	0.00
5	TM	4-Chlorophenyl phenyl ethe	0.640	0.650	-1.6	89	0.00
55	TM	4-Nitroaniline	0.415	0.480	-15.7	93	0.00
56	TM	4,6-Dinitro-2-methylphenol	0.240	0.307	-27.9#	96	0.00
57	TCM	n-nitrosodiphenylamine	0.871	0.893	-2.5	91	0.00
58	TM	Azobenzene	2.072	2.041	1.5	91	0.00
59	TM	Biphenyl	1.574	1.612	-2.4	88	0.00
60	S	2,4,6-Tribromophenol	0.240	0.256	-6.7	92	0.00
61	I	d10-Phenanthrene	1.000	1.000	0.0	89	0.00
62	TM	4-bromophenyl phenyl ether	0.234	0.232	0.9	87	0.00
63	TM	Hexachlorobenzene	0.263	0.275	-4.6	92	0.00
64	TMC	Pentachlorophenol	0.140	0.142	-1.4	87	0.00
65	TM	Phenanthrene	1.057	1.069	-1.1	89	0.00
66	TM	Anthracene	1.029	1.048	-1.8	87	0.00
67	TM	Carbazole	0.989	1.031	-4.2	89	0.00
68	TM	Di-n-butyl phthalate	1.445	1.614	-11.7	91	0.00
69	TCM	Fluoranthene	1.075	1.152	-7.2	90	0.00
70	TM	Benzidine	0.262	0.055	79.0#	47#	0.00
71	I	d12-Chrysene	1.000	1.000	0.0	92	0.00
72	TM	Pyrene	1.377	1.270	7.8	90	0.00
73	S	d14-p-terphenyl	0.888	0.858	3.4	89	0.00
74	TM	Butyl benzyl phthalate	0.778	0.785	-0.9	89	0.00
75	TM	Benzo[a]anthracene	1.205	1.183	1.8	94	0.00
7	TM	Chrysene	1.073	1.098	-2.3	94	0.00
	TM	3,3'-Dichlorobenzidine	0.416	0.439	-5.5	97	0.00
78	TM	Bis (2-ethylhexyl) phthalat	1.066	1.266	-18.8	109	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\HPCHEM\1\DATA\042806-D\D47172SC.D Vial: 2
Acq On : 28 Apr 2006 11:20 pm Operator:
Sample : S6761 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Fri Apr 28 23:15:57 2006
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
√79	I	d12-Perylene	1.000	1.000	0.0	96	-0.02
√80	TCM	di-n-octyl-phthalate	1.887	1.973	-4.6	96	0.00
81	TM	Benzo[b] fluoranthene	1.234	1.164	5.7	91	0.00
√82	TM	Benzo[k] fluoranthene	1.105	1.138	-3.0	95	0.00
√83	TCM	Benzo[a] pyrene	1.089	1.090	-0.1	95	-0.02
84	TM	Indeno [1,2,3-cd] pyrene	1.037	1.022	1.4	93	-0.03
85	TM	Dibenz [a,h] anthracene	0.963	1.009	-4.8	94	-0.03
86	TM	Benzo(g,h,i) perylene	1.010	1.003	0.7	89	-0.04

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042806-D\D47172SC.D Vial: 2
Acq On : 28 Apr 2006 11:20 pm Operator:
Sample : S6761 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 28 23:42 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Fri Apr 28 23:15:57 2006
Response via : Initial Calibration
DataAcq Meth : ABN

5.1.06 4/30/06

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	5.70	152	502872	40.00	ug/ml	0.00
19) d8-Naphthalene	8.63	136	1849754	40.00	ug/ml	0.00
35) d10-Acenaphthene	12.92	164	883580	40.00	ug/ml	0.00
61) d10-Phenanthrene	16.50	188	1494111	40.00	ug/ml	0.00
71) d12-Chrysene	22.95	240	1405844	40.00	ug/ml	0.00
79) d12-Perylene	26.94	264	1308919	40.00	ug/ml	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	3.41	112	723786	41.61	ug/ml	-0.02
Spiked Amount 75.000	Range 28 - 110		Recovery = 55.48%			
5) d5-Phenol	5.31	99	935179	42.09	ug/ml	-0.01
Spiked Amount 75.000	Range 22 - 110		Recovery = 56.12%			
20) d5-nitrobenzene	7.04	82	887048	42.20	ug/ml	0.00
Spiked Amount 50.000	Range 45 - 107		Recovery = 84.40%			
39) 2-Fluorobiphenyl	11.33	172	1178622	41.59	ug/ml	0.00
Spiked Amount 50.000	Range 44 - 102		Recovery = 83.18%			
60) 2,4,6-Tribromophenol	14.91	330	225972	42.67	ug/ml	0.00
Spiked Amount 75.000	Range 63 - 127		Recovery = 56.89%#			
73) d14-p-terphenyl	20.45	244	1205864	38.64	ug/ml	0.00
Spiked Amount 50.000	Range 33 - 132		Recovery = 77.28%			
Target Compounds						Qvalue
2) Pyridine	1.47	79	599606	20.42	ug/ml	98
3) N-nitrosodimethylamine	1.46	42	356552	20.56	ug/ml	98
6) Aniline	5.12	93	476685	18.29	ug/ml	99
7) Phenol	5.33	94	943839	41.08	ug/ml	100
8) 2-Chlorophenol	5.41	128	767759	41.89	ug/ml	100
9) bis(2-chloroethyl) ether	5.24	93	394061	20.15	ug/ml	100
10) 1,3-Dichlorobenzene	5.62	146	407019	21.00	ug/ml	99
11) 1,4-Dichlorobenzene	5.74	146	401870	20.46	ug/ml	99
12) 1,2-Dichlorobenzene	6.14	146	382588	20.89	ug/ml	100
13) Benzyl Alcohol	6.12	108	231653	22.96	ug/ml	98
14) 2-Methylphenol	6.57	108	632871	41.96	ug/ml	99
15) bis(2-chloroisopropyl)ethe	6.43	45	743332	20.44	ug/ml	99
16) 3+4-Methylphenol	6.92	108	663334	41.81	ug/ml	99
17) Hexachloroethane	6.81	117	165094	21.31	ug/ml	99
18) N-nitroso-di-n-propylamine	6.76	70	312132	20.94	ug/ml	100
21) Nitrobenzene	7.08	123	215561	21.77	ug/ml	98
22) Isophorone	7.61	82	753112	20.98	ug/ml	98
23) 2-Nitrophenol	7.82	139	471163	42.98	ug/ml	100
24) 2,4-Dimethylphenol	8.08	107	632197	39.61	ug/ml	99
25) Bis(2-chloroethoxy)methane	8.18	93	442591	20.54	ug/ml	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\042806-D\D47172SC.D Vial: 2
Acq On : 28 Apr 2006 11:20 pm Operator:
Sample : S6761 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 28 23:42 2006 Quant Results File: S04266.RES

Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Fri Apr 28 23:15:57 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 2,4-Dichlorophenol	8.52	162	540318	42.47 ug/ml	100
27) Benzoic Acid	8.59	105	419485	40.88 ug/ml	97
28) 1,2,4-Trichlorobenzene	8.55	180	274272	20.92 ug/ml	98
29) Naphthalene	8.68	128	994057	20.99 ug/ml	99
30) 2,6-Dichlorophenol	8.97	162	520256	41.23 ug/ml	97
31) 4-Chloroaniline	8.94	127	421524	20.03 ug/ml	98
32) Hexachlorobutadiene	9.12	225	162534	20.18 ug/ml	99
33) 4-Chloro-3-methylphenol	10.37	107	564175	42.36 ug/ml	96
34) 2-Methylnaphthalene	10.35	141	598129	21.97 ug/ml	99
36) Hexachlorocyclopentadiene	10.90	237	79290	15.58 ug/ml	98
37) 2,4,6-Trichlorophenol	11.22	196	356112	41.28 ug/ml	98
38) 2,4,5-Trichlorophenol	11.45	196	370304	40.66 ug/ml	99
40) 2-Chloronaphthalene	11.53	162	546813	20.14 ug/ml	99
41) 2-Nitroaniline	11.96	138	269972	21.41 ug/ml	98
42) 2,6-Dinitrotoluene	12.64	165	164842	20.90 ug/ml	99
43) Dimethyl Phthalate	12.47	163	639324	20.40 ug/ml	100
44) Acenaphthylene	12.54	152	908634	20.86 ug/ml	98
45) 3-Nitroaniline	12.98	138	207803	21.07 ug/ml	96
46) Acenaphthene	13.00	154	516953	20.31 ug/ml	99
47) 2,4-dinitrophenol	13.24	184	179962	42.48 ug/ml	99
48) Dibenzofuran	13.39	168	744528	20.67 ug/ml	99
49) 4-Nitrophenol	13.90	109	171632	46.79 ug/ml	99
50) 2,4-Dinitrotoluene	13.59	165	213941	21.32 ug/ml	99
51) 2,3,4,6-Tetrachlorophenol	13.90	232	288272	43.43 ug/ml	98
52) Fluorene	14.23	166	581739	20.44 ug/ml	100
53) Diethyl Phthalate	14.21	149	679251	21.16 ug/ml	99
54) 4-Chlorophenyl phenyl eth	14.27	204	286976	20.31 ug/ml	96
55) 4-Nitroaniline	14.51	138	211941	23.13 ug/ml	97
56) 4,6-Dinitro-2-methylphenol	14.59	198	271463	43.70 ug/ml	98
57) n-nitrosodiphenylamine	14.62	169	394483	20.51 ug/ml	97
58) Azobenzene	14.65	77	901597	19.70 ug/ml#	88
59) Biphenyl	11.53	154	712277	20.48 ug/ml	99
62) 4-bromophenyl phenyl ether	15.44	248	173292	19.80 ug/ml	100
63) Hexachlorobenzene	15.77	284	205166	20.91 ug/ml	99
64) Pentachlorophenol	16.30	266	212350	39.17 ug/ml	99
65) Phenanthrene	16.55	178	798877	20.24 ug/ml	99
66) Anthracene	16.65	178	783049	20.38 ug/ml	99
67) Carbazole	17.14	167	770095	20.84 ug/ml	99
68) Di-n-butyl phthalate	18.15	149	1205404	22.34 ug/ml	100
69) Fluoranthene	19.44	202	860553	21.42 ug/ml	99
70) Benzidine	19.87	184	41254	4.21 ug/ml	99

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042806-D\D47172SC.D Vial: 2
Acq On : 28 Apr 2006 11:20 pm Operator:
Sample : S6761 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Apr 28 23:42 2006 Quant Results File: S04266.RES

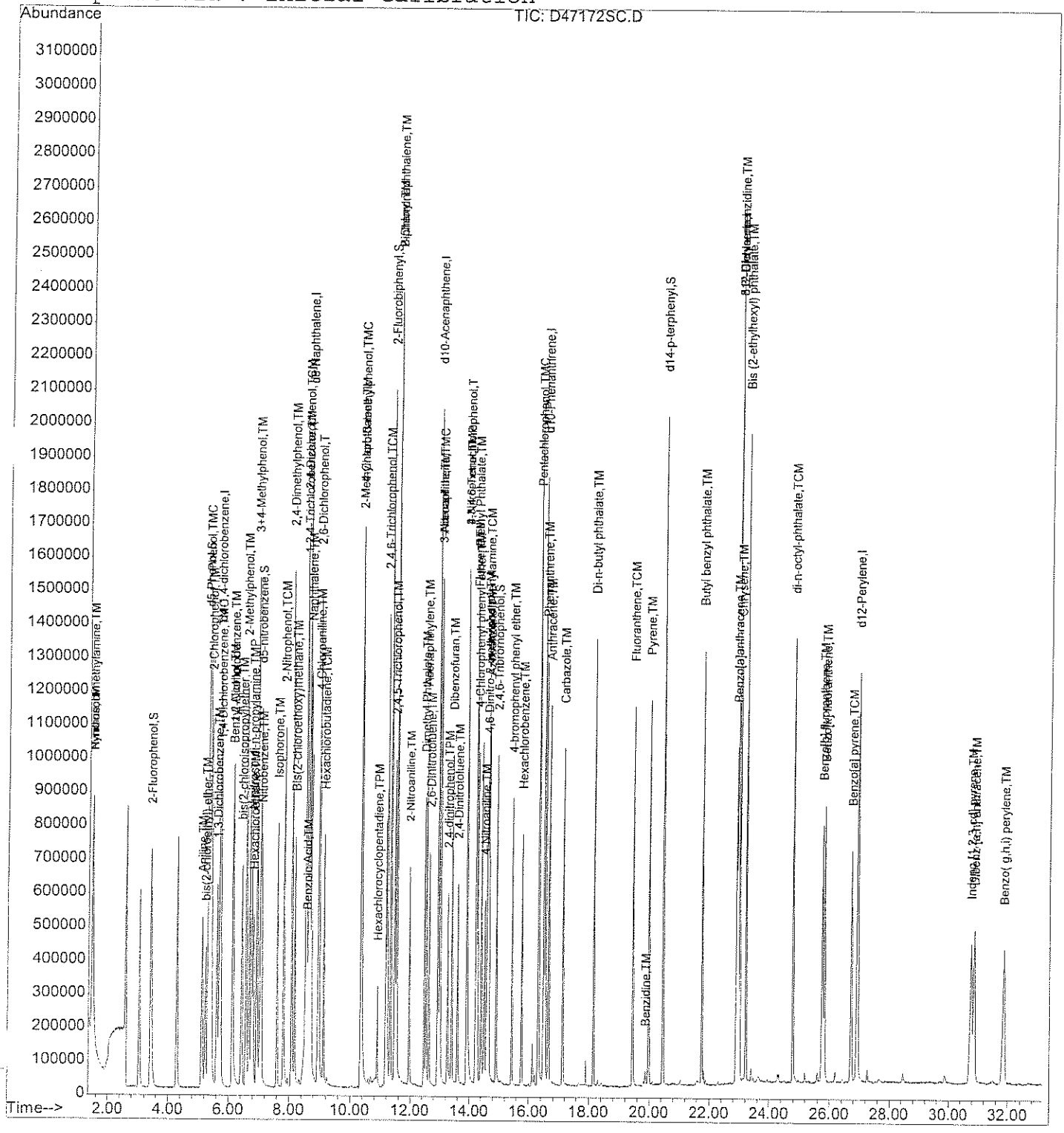
Quant Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Fri Apr 28 23:15:57 2006
Response via : Initial Calibration
DataAcq Meth : ABN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
72) Pyrene	19.97	202	893004	18.45 ug/ml	99
74) Butyl benzyl phthalate	21.76	149	552037	20.18 ug/ml	97
75) Benzo[a]anthracene	22.89	228	831297	19.63 ug/ml	100
76) Chrysene	23.01	228	771779	20.47 ug/ml	99
77) 3,3'-Dichlorobenzidine	22.95	252	308926	21.12 ug/ml	98
78) Bis (2-ethylhexyl) phthala	23.21	149	890087	23.75 ug/ml	97
80) di-n-octyl-phthalate	24.79	149	1290926	20.91 ug/ml	99
81) Benzo[b] fluoranthene	25.76	252	761998	18.87 ug/ml	97
82) Benzo[k] fluoranthene	25.83	252	744494	20.59 ug/ml	99
83) Benzo[a] pyrene	26.72	252	713139	20.01 ug/ml	100
84) Indeno [1,2,3-cd] pyrene	30.77	276	668976	19.71 ug/ml#	55
85) Dibenz [a,h] anthracene	30.88	278	660497	20.97 ug/ml	99
86) Benzo(g,h,i) perylene	31.88	276	656448	19.86 ug/ml	99

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\042806-D\D47172SC.D Vial: 2
Acq On : 28 Apr 2006 11:20 pm Operator:
Sample : S6761 PT3 20/40 Inst : D Instrum
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 28 23:42 2006 Quant Results File: S04266.RES

Method : D:\HPCHEM\1\METHODS\S04266.M (RTE Integrator)
Title : ABN
Last Update : Fri Apr 28 23:15:57 2006
Response via : Initial Calibration



SEMI-VOLATILE ORGANIC
INTERNAL STANDARD AREA AND RT SUMMARY

Project #:

DFTPP File ID: D47088T.D

Instrument ID: D

GC Column: RTX-5MS

Quote #: NA

Site ID: Subbase New London Site 7

ID: 0.25(mm)

SDG#: 56384

Location: CT

DFTPP Injection Date: 4/26/06

DFTPP Injection Time: 1134

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #	IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
12 HOUR STD	585433	5.80	2158490	8.73	995667	13.03	1671290	16.60	1532000	23.06	1356810	27.09
UPPER LIMIT	1170866	6.14	4316980	9.26	1991334	13.81	3342580	17.59	3064000	24.44	2713620	28.72
LOWER LIMIT	292717	5.45	1079245	8.21	497834	12.25	835645	15.60	766000	21.68	678405	25.47
SAMPLE NO.												
01 S6761 PT3 20/40	111 *	5.53	118 *	8.46	542 *	12.76	292 *	16.29	166 *	22.73	398 *	26.63
02 S6745 PT1 2/4	599159	5.80	2153500	8.73	973021	13.02	1637530	16.59	1432130	23.05	1214970	27.08
03 S6744 PT2A 4/8	609724	5.79	2156710	8.73	991735	13.03	1682900	16.59	1468700	23.05	1266590	27.08
04 S6743 PT2 10/20	614180	5.79	2177120	8.73	1048860	13.03	1710050	16.60	1521820	23.05	1292930	27.09
05 S6761 PT3 20/40	585433	5.80	2158490	8.73	995667	13.03	1671290	16.60	1532000	23.06	1356810	27.09
06 S6741 PT4A 40/80	612408	5.80	2270880	8.75	1044380	13.04	1725520	16.61	1282760	23.06	1198180	27.10
07 S6740 PT4 50/100	562023	5.81	2016850	8.75	964985	13.04	1582810	16.61	1238080	23.06	1268180	27.10
08 S6740 PT5 100/200	577333	5.82	2164730	8.77	1051730	13.05	1676330	16.63	1040710	23.08	1157810	27.11
09												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												

IS1 = d4-1,4 -Dichlorobenzene
IS2 =d8- Naphthalene
IS3 = d10-Acenaphthalene
IS4 = d10- Phenanthrene
IS5 = d12-Chrysene
IS6 = d10-Perylene

AREA UPPER LIMIT = +100 of internal standard area
AREA LOWER LIMIT = -50 of internal standard area
RT UPPER LIMIT = +0.06 minutes of internal standard RT
RT LOWER LIMIT = -0.06 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

GC/MS QA-QC Check Report

Tune File : D:\HPCHEM\1\DATA\042606-D\D47088T.D
Tune Time : 26 Apr 2006 11:34 am

Daily Calibration File : D:\HPCHEM\1\DATA\042606-D\D47093SI.D

4-27-06

4/27/06

						585433	2158490	995667
						1671290	1532000	1356810
File	Sample	Surrogate Recovery %				Internal Standard Responses		
D47090SI.D	S6745 PT	5*	6*	8*	8*	599159	2153498	973021
		5*	8*			1637528	1432131	1214971
D47091SI.D	S6744 PT	10*	12*	16*	17*	609724	2156714	991735
		11*	16*			1682899	1468695	1266591
D47092SI.D	S6743 PT	27*	32	42*	41*	614180	2177123	1048855
		27*	40			1710050	1521820	1292926
D47093SI.D	S6761 PT	55	66	81	82	585433	2158490	995667
		55*	81			1671289	1531996	1356805
D47094SI.D	S6741 PT	110*	125*	159*	158*	612408	2270883	1044376
		110	167*			1725519	1282763	1198179
D47095SI.D	S6740 PT	130*	152*	197*	190*	562023	2016852	964985
		129*	194*			1582806	1238077	1268180
D47096SI.D	S6740 PT	264*	292*	381*	362*	577333	2164732	1051734
		270*	414*			1676334	1040707	1157812

t - fails 12hr time check * - fails criteria

Created: Thu Apr 27 01:02:29 2006 D Instrum

SEMI-VOLATILE ORGANIC
INTERNAL STANDARD AREA AND RT SUMMARY

Project #:

DFTPP File ID: D4717IT.D

Instrument ID: D

GC Column: RTX-5MS

Quote #: NA

Site ID: Subbase New London Site 7

ID: 0.25(mm)

SDG#: 56384

Location: CT

DFTPP Injection Date: 4/28/06

DFTPP Injection Time: 2257

		IS1 AREA	#	RT	#	IS2 AREA	#	RT	#	IS3 AREA	#	RT	#	IS4 AREA	#	RT	#	IS5 AREA	#	RT	#	IS6 AREA	#	RT	#
	12 HOUR STD	502872		5.70		1849750		8.63		883580		12.92		1494110		16.50		1405840		22.95		1308920		26.94	
	UPPER LIMIT	1005744		6.04		3699500		9.15		1767160		13.70		2988220		17.49		2811680		24.33		2617840		28.56	
	LOWER LIMIT	251436		5.36		924875		8.12		441790		12.15		747055		15.51		702920		21.58		654460		25.32	
	SAMPLE NO.																								
01	S6761 PT3 20/40	502872		5.70		1849750		8.63		883580		12.92		1494110		16.50		1405840		22.95		1308920		26.94	
02	ZZZZZ	520852		5.69		1896990		8.62		867802		12.92		1474150		16.49		1444480		22.94		1350130		26.93	
03	ZZZZZ	532525		5.70		1914460		8.63		914597		12.92		1526470		16.49		1441330		22.95		1302210		26.94	
04	ZZZZZ	536097		5.70		1965180		8.63		898117		12.92		1512610		16.49		1364430		22.95		1250790		26.94	
05	B04286AS	555352		5.69		2044540		8.62		951649		12.91		1582100		16.48		1511000		22.94		1371970		26.93	
06	L04286AS	570847		5.69		2032080		8.63		977443		12.92		1660080		16.49		1468760		22.95		1306510		26.94	
07	LD04286AS	554466		5.69		2049610		8.63		980312		12.92		1654150		16.49		1489420		22.95		1340050		26.94	
08	56384-1	542128		5.69		1947940		8.62		940154		12.92		1575720		16.48		1351360		22.94		1213550		26.93	
09	56384-1,MS	532958		5.70		1955700		8.63		917382		12.92		1583020		16.48		1263920		22.95		1264000		26.94	
10	56384-1,MSD	543847		5.70		1984570		8.63		940192		12.92		1593510		16.49		1225500		22.95		1319250		26.95	
11	56384-2	516066		5.69		1936130		8.62		914405		12.91		1520350		16.48		1330320		22.94		1267150		26.93	
12	56384-3,,1:2	501164		5.69		1806260		8.62		842230		12.91		1427390		16.48		1254950		22.95		1402050		26.95	
13	ZZZZZ	516026		5.70		1844380		8.62		845063		12.92		1344320		16.48		1704420		22.97		517477	*	26.97	
14	ZZZZZ	484325		5.69		1783470		8.62		832490		12.91		1367470		16.48		1632030		22.96		597949	*	26.94	
15	ZZZZZ	512712		5.69		1829190		8.62		866395		12.92		1394800		16.48		1634850		22.95		720232		26.93	
16	ZZZZZ	521066		5.69		1874670		8.62		856839		12.91		1385940		16.48		1644180		22.96		714012		26.93	
17	ZZZZZ	525510		5.70		1891110		8.62		850951		12.9157		1386610		16.49		1699930		23.05		317272	*	26.98	
18	ZZZZZ	517150		5.69		1820000		8.62		847681		12.9105		1375910		16.49		1717920		23.00		429391	*	26.95	
19	ZZZZZ	524192		5.69		1841460		8.62		884487		12.9121		1475200		16.48		1736090		22.94		611799		26.92	
20																									
21																									
22																									

IS1 = d4-1,4 -Dichlorobenzene
IS2 =d8- Naphthalene
IS3 = d10-Acenaphthalene
IS4 = d10- Phenanthrene
IS5 = d12-Chrysene
IS6 = d10-Perylene

AREA UPPER LIMIT = +100 of internal standard area
AREA LOWER LIMIT = -50 of internal standard area
RT UPPER LIMIT = +0.06 minutes of internal standard RT
RT LOWER LIMIT = -0.06 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

GC/MS QA-QC Check Report

Tune File : D:\HPCHEM\1\DATA\042606-D\D47097T.D
Tune Time : 26 Apr 2006 9:34 pm

Daily Calibration File : D:\HPCHEM\1\DATA\042606-D\D47098SC.D

4-27-06

4-27-06 SC

584904 2061180 983189

1589640 1419420 1231590

File	Sample	Surrogate Recovery %				Internal Standard Responses		
D47098SC.D	S6761 PT	55	55	84	82	584904	2061181	983189
		55*	82			1589644	1419421	1231592
D47099.D	S6776 AB	55	43	77	86	590985	2161181	980101
		55*	78			1676238	1472261	1277407
D47100.D	S6777 BE	0*	0*	0*	0*	563415	2027755	925243
		0*	0*			1508495	1355078	1224699
D47101B.D	LB04266AS	65	71	71	79	632142	2229872	1019502
		81	80			1732241	1475049	1338036
D47102Q.D	L04266AS	66	75	72	82	608426	2231859	1024269
		89	84			1748005	1343795	1232204
D47103Q.D	LD04266A	62	70	67	79	648138	2366865	1078290
		86	85			1840488	1359935	1258406
D47104.D	56346-2	68	73	75	71	640409	2254185	1027418
		82	74			1742244	1535039	1360971
D47105.D	56346-5	72	78	77	81	655761	2296740	1064156
		89	87			1790637	1549545	1382282
D47106.D	56346-6	72	78	78	85	595468	2171594	996623
		88	84			1652784	1455236	1279626
D47107.D	56346-4	68	76	73	81	589808	2153323	985801
		87	87			1652221	1347947	1237682
D47108.D	56346-7	67	75	74	84	637555	2275399	1019725
		89	84			1733419	1452656	1287578
D47109.D	56346-3	67	73	72	82	637652	2302615	1031391
		87	84			1753242	1416975	1326975
D47110SP.D	56346-3,	65	73	72	78	626581	2247820	1045628
		85	79			1768197	1484860	1300053
D47111SP.D	56346-3,	69	78	73	82	579245	2140209	974388
		90	79			1649574	1451098	1268584
D47112.D	56276-1	79	84	87	93	518315	1838973	839624
		96	81			1383984	1321406	925567
D47113.D	56301-6	71	77	77	87	559236	2068351	939060
		95	85			1587933	1391590	1168495

D47114.D	56301-8	71	79	76	81	535982	2006823	902170
		94	73			1547193	1398979	1001674
D47115.D	56301-5	66	74	75	74	557728	2068143	952574
		81	84			1526992	1231070	363061*
D47116.D	56301-7	55	63	69	78	573837	2066104	936515
		82	115*			1600844	958223	216776*

t - fails 12hr time check * - fails criteria

Created: Thu Apr 27 09:59:32 2006 D Instrum

GC/MS QA-QC Check Report

Tune File : D:\HPCHEM\1\DATA\042806-D\D47171T.D
Tune Time : 28 Apr 2006 10:57 pm

Daily Calibration File : D:\HPCHEM\1\DATA\042806-D\D47172SC.D

4/30/06

						502872	1849750	883580
						1494110	1405840	1308920
File	Sample	Surrogate Recovery %				Internal Standard Responses		
D47173B.D	B04256AS	67	74	74	81	520852	1896987	867802
		86	76			1474151	1444477	1350133
D47174Q.D	L04256AS	68	74	74	80	532525	1914458	914597
		89	78			1526467	1441330	1302213
D47175Q.D	LD04256A	65	71	68	78	536097	1965182	898117
		89	81			1512613	1364434	1250792
D47176B.D	B04286AS	85	88	69	77	555352	2044538	951649
		106	74			1582103	1510996	1371967
D47177Q.D	L04286AS	81	88	68	76	570847	2032077	977443
		113	79			1660082	1468760	1306508
D47178Q.D	LD04286A	80	87	66	73	554466	2049608	980312
		112	77			1654149	1489415	1340047
D47179.D	56384-1	91	95	74	81	542128	1947937	940154
		119	86			1575715	1351357	1213550
D47180SP.D	56384-1,	88	95	73	83	532958	1955700	917382
		121	87			1583023	1263922	1264001
D47181SP.D	56384-1,	85	95	73	83	543847	1984568	940192
		120	83			1593512	1225502	1319246
D47182.D	56384-2	88	96	72	83	516066	1936126	914405
		118	85			1520345	1330318	1267148
D47183.D	56384-3,	42	49	36	43	501164	1806259	842230
		62	42			1427392	1254950	1402052
D47184.D	56330-16	33	38*	37	45	516026	1844379	845063
		45	31*			1344315	1704416	517477*40%
D47185.D	56330-17	16*	19*	19*	23*	484325	1783469	832490
		22*	16*			1367466	1632027	597949*46%
D47186.D	56330-20	12*	15*	15*	17*	512712	1829187	866395
		14*	12*			1394795	1634854	720232
D47187.D	56330-21	33	38*	36	41	521066	1874671	856839
		45	33*			1385935	1644183	714012
D47188.D	56330-22	14*	14*	14*	18*	525510	1891111	850951
		17*	14*			1386610	1699925	317272*24%

D47189.D	56330-23	7*	7*	7*	8*	517150	1819997	847681
		8*	7*			1375914	1717917	429391*33%
D47190.D	56330-24	23*	26*	24	31*	524192	1841460	884487
		41	31*			1475197	1736094	611799*47%

t - fails 12hr time check * - fails criteria

Created: Sun Apr 30 09:03:21 2006 D Instrum

Chain Of Custody Form

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 2, 10/25/04

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 6°C
3) Received in good condition Y or N
4) pH checked by: N/A
5) Labels checked by: 4.28.06

Project#: Proj. Name: Groton Subbase Site 7
Company: Tteci
Contact: Rick Woodworth
Address:
Phone: PO# Quote #
Sampler (Signature): Paul W. Anderson

Matrix Key:
WW=Wastewater
SW=Surfacewater
GW=Groundwater
DW=Drinkingwater
S=Soil/Sludge
O=Oil
E=Extract
X=Other

Container Key
P=plastic G=glass

Preservation

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4°C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
NSB-NLON-SITE7-EXS-SWN-09A	4-27-06	1400	VOC, PAH, % solids	X	X				X		S	3	G		56384 - 1
NSB-NLON-SITE7-EXS-SWN-09A-042706-1	"	1400		X	X				X		S	3	G		- 2
NSB-NLON-SITE7-EXS-SWN-10A	"	1410		X	X				X		S	5	G		- 3
Trip Blank	030806		VOC		X				X			1			- 4

Email RESULTS? YES NO
Email
Fax RESULTS? YES NO
Fax#

Comments / Instructions:

10A includes 2 vials for lab QC

24 hr. turnaround time

Turnaround Request

Standard ☐	Priority ☑
Due Date	Due Date

Page 1 of 1

Analytics\AEL Documents\AEL COC

Relinquished By Sampler:	Relinquished By:	Relinquished By:
Paul W. Anderson	Federal Express	
Date: 4-27-06	Date: 4-28-06	Date:
Time: 1700	Time: 09:30	Time:
Received By: Federal Express	Received By: Melissa Yali	Received By:

334/335

ANALYTICS SAMPLE RECEIPT CHECKLIST

analytics environmental laboratory LLC

AEL LAB#: 56384
CLIENT: TTECRI
PROJECT: Groton Subbase

COOLER NUMBER: —
NUMBER OF COOLERS: 1
DATE RECEIVED: 4.28.06

A: PRELIMINARY EXAMINATION:

DATE COOLER OPENED: 4.28.06

1. Cooler received by(initials) MAJ Date Received: 4.28.0
2. Did cooler come with a shipping slip? (Y) N

If YES, enter carrier name and airbill number here: Fed Ex 7904 1009 3371

3. Were custody seals on the outside of cooler? (N)
How many & where: _____ Seal Date: Taped Well Seal Name: _____

4. Did the custody seals arrive unbroken and intact upon arrival? (NA)

5. COC#: _____

6. Were Custody papers filled out properly (ink,signed, etc)?	(Y)	N
7. Were custody papers sealed in a plastic bag?	(Y)	N
8. Did you sign the COC in the appropriate place?	(Y)	N
9. Was the project identifiable from the COC papers?	(Y)	N

10. Was enough ice used to chill the cooler? (Y) N Temp. of cooler: 6°C

B. Log-In: Date samples were logged in: 4-28-06 By: mj/mm

11. Type of packing in cooler(bubble wrap, popcorn)	(Y)	N
12. Were all bottles sealed in separate plastic bags?	Y	(N)
13. Did all bottles arrive unbroken and were labels in good condition?	(Y)	N
14. Were all bottle labels complete(ID,Date,time,etc.)	(Y)	N
15. Did all bottle labels agree with custody papers?	(Y)	N
16. Were the correct containers used for the tests indicated:	(Y)	N
17. Were samples received at the correct pH?	Y	(NA)
18. Was sufficient amount of sample sent for the tests indicated?	(Y)	N
19. Were bubbles absent in VOA samples?	Y	(NA)

If NO, List sample #'s: _____

20. Laboratory labeling verified by (initials): mj Date: 4-28-06