G. C. Environmental, Inc.
CONSULTANTS CONTRACTORS

AAA/AUTOMOBILE CLUB OF NEW YORK

WESTCHESTER COUNTY, NEW YORK

Construction Completion Report

NYSDEC Site Number: 360095

GCE Project Number: 05-003-00

Prepared for:
101 Westmoreland Avenue
White Plains, New York 10606

Prepared by:
G C Environmental, Inc
22 Oak Street
Bay Shore, New York 11706
631-206-3700

AS REVISED OCTOBER 2015

G. C. Environmental, Inc.
CONSULTANTS CONTRACTORS

PROFESSIONAL ENGINEER CERTIFICATION

I, Dean Devoe, certify that I am currently a NYS registered professional engineer or Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.

Dean Devoe

Signature, Registered Professional Engineer

Dean Devoe

Printed Name, Registered Professional Engineer

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LIST OF ACRONYMS USED IN THIS DOCUMENT:

AOC	Areas of Concern
BTEX	Benzene, Toluene, Ethylbenzene, Xylene
B/Ns	Base Neutrals
CAMP	Community Air Monitoring Plan
CVOC's	Chlorinated Volatile organic compounds
CFM	Cubic Foot per Minute
DCA	Dichloroacetic Acid
DCE	Dichloroethane
DO	Dissolved Oxygen
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYCRR	New York Codes, Rules and Regulations
OSHA	Occupational Health & Safety
ORP	Oxidation Reduction Potential
PM_{10}	Particulate Matter
pH	Hydrogen Ion Concentration
PS	Pressure Switch
P&ID	Piping& Instrumentation Diagram
PID	Photoionization Detector
PCE	Perchloroethylene (Tetrachloroethylene)
RAWP	Remedial Action Work Plan
SVE	Soil Vapor Extraction
SCG's	Standards, Criteria and Guidance
SCR	Site Characterization Report
SSO	Site Safety Officer
TCE	Trichloroethylene
TCA	Trichloroethane
USGS	US Geological Survey
UST	Underground Storage Tank
VOC's	VolatileOrganicCompound

CONSTRUCTION COMPLETION REPORT

1.0 BACKGROUND AND SITE DESCRIPTION

Automobile Club of New York (AAA) entered into an Order on Consent (Index No. D3-0504-06-09) with the New York State Department of Environmental Conservation (NYSDEC) in December, 2006, to investigate and remediate a 0.206-acre property located in the City of White Plains, Westchester County, New York.

The site is located in the County of Westchester, New York and is identified as Block 1, Lot 1 in the City of White Plans, Westchester County. The site is situated on an approximately 0.206-acre area bounded by commercial properties to the north, 121 Westmoreland Avenue to the south, Westmoreland Avenue to the east, and Metro North Railroad tracks to the west (see Figure 1).

An electronic copy of this CCR with all supporting documentation is included as Appendix B.

2.0 SUMMARY OF SITE REMEDY

2.1 REMEDIAL ACTION OBJECTIVES

The Remedial Investigation of the site conducted in 2001-2009, the results of which are detailed in SCR (Site Characterization) report, *prepared by G. C. Environmental, Inc., for Automobile Club of New York,* identified three Remedial Action Objectives (RAOs) for this site, two for soil and one for soil vapor.

2.1.1 Soil RAOs

RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of, or exposure to, contaminants volatilizing from contaminated soil.

2.1.2 Soil Vapors

RAOs for Environmental Protection

- Prevent the inhalation of volatile organic vapors through the building floor slab by installing a sub-slab soil vapor extraction system at select areas of the building floor where contamination was previously detected.

2.2 DESCRIPTION OF SELECTED REMEDY

The factors considered during the selection of the remedy are those listed in 6NYCRR 375-1.8. The following are the components of the selected remedy:

Interim Remedial Measure (IRMs) with Institutional and Engineering Controls (IC/EC)

The IRMs consisted of removal of contaminated soil in the area of the former dry well to a depth of approximately 3.5 to 4.5 feet bgs and will include the installation and operation of a soil vapor extraction (SVE) system. Upon completion of the proposed Soil

Vapor Extraction (SVE) system, a Final Engineering Report (FER) will be prepared that includes the excavation work as well as the SVE system interim remedial measure (IRM). No additional cleanup activities at the site are needed. In addition, the following IC/EC should be implemented.

1. Execution and recording of an Environmental Easement to restrict land use to commercial or industrial use and implement a soil management plan.
2. Development and implementation of a Site Management Plan for long term management of remaining contamination as required by the Environmental Easement, which includes plans for: (1) Institutional and Engineering Controls, (2) monitoring, (3) operation and maintenance and (4) reporting.
3. Periodic certification of the IC/EC in accordance with the environmental easement.

This CCR specifies the methods necessary to ensure compliance with all ECs and ICs required by the Environmental Easement for contamination that remains at the site.

3.0 INTERIM REMEDIAL MEASURES, OPERABLE UNITS AND REMEDIAL CONTRACTS

3.1 INTERIM REMEDIAL MEASURES

The following NYSDEC- approved remedy was completed as an IRM:

The concrete floor slab in the vicinity of the former drywell was saw cut and removed. Following the floor slab removal, the contaminated soil was excavated to a depth of approximately 3.5 to 4.5 feet below grade, which is the depth that was established during the delineation of soil impacts at the former dry well.

During the excavation activities, the excavated soil was continuously field-screened for the presence of total VOCs using a Thermo Environmental Instruments Inc. Model 580B portable PID with a 10.6 e.V. lamp, calibrated for isobutylene standards and visually classified by GCE's on-site geologist.

The excavation was terminated when the desired depth was achieved and the soil no longer exhibited elevated levels of total VOCs as measured with the PID, olfactory or visual evidence of contamination.

Post-excavation soil samples were collected in accordance with the requirements as outlined in Section 5.4 of DER-10 and in a letter from DEC dated June 12, 2008 (Please, refer to see Figure 1).

Each soil sample was placed into two (2) glass containers equipped with teflon-lined caps. The quantity of soil was split as follows: the 4-oz container (VOCs) was completely filled with soil and the head space of the 8-oz glass container (B/Ns) was allowed to equilibrate. The head space was subsequently field screened for the presence of total VOCs using a Thermo Environmental Instruments Inc. Model 580B portable PID with a 10.6 e.V. lamp, calibrated for isobutylene standards. The following post-excavation soil samples were collected with their PID readings included:

Sample ID	Location	Depth, Feet below grade	PID Readings, parts per millions (ppm)
S-1	North wall	4.0	1.5
S-2	East wall	3.5	0.5
S-3	North wall	3.1	0.0
S-4	East wall	2.7	0.0
S-5	South wall	2.8	0.0
S-6	South wall	3.5	0.0
S-7	West wall	4.0	1.0
S-8	Bottom	4.5	5.1
S-9	Bottom	3.5	1.0

The soil samples were logged and transferred under a chain-of-custody protocol to Eco Test, North Babylon, New York, a New York State ELAP-approved laboratory. All soil samples were analyzed for the presence of VOCs using EPA Method 8260 and B/Ns using EPA Method 8270. The laboratory analytical procedures were performed in accordance to the DEC Analytical Services Protocol (ASP) Category B data deliverables with a data usability summary report (DUSR) prepared.

A total of approximately 20 cubic yards of contaminated soil was removed during the excavation activities.

Once the excavation was completed, GCE collected one (1) pre-disposal composite soil sample (PDS-1). The pre-disposal soil sample was submitted under a chain of custody protocol to York Analytical Laboratory (York) Stratford, Connecticut, a New York State ELAP-approved laboratory for analysis of tetrachloroethylene and 8 RCRA Metals via Toxicity Characteristic Leaching Procedure (TCLP) using EPA Method 1311/6010 and PCBs using EPA Method 8082. Concentrations of VOCs and

B/Ns were known from previous analyses obtained during dry well delineation, and therefore analysis was limited to these compounds.

The soil sampling results of the pre-disposal soil sample (PDS-1) were compared to the disposal facility (Clean Earth of Carteret, NJ) requirements including PCBs, Ignitability, Corrosivity, Reactivity, and the US Environmental Protection Agency (EPA) Hazardous Levels for tetrachloroethylene and 8 RCRA Metals via TCLP.

Laboratory analytical results of the pre-disposal soil sample (PDS-1) contained no concentrations of contaminants above the US EPA Hazardous Levels for 8 RCRA metals or above Clean Earth of Carteret, NJ, requirements.

A total of approximately 27.22 tons of contaminated soil was disposed of at the Clean Earth facility. The Site owner was designated as the generator of the waste on the manifests.

The excavation was backfilled and compacted to 4 inches below grade with approved clean fill. GCE utilized backfill from Tilcon New York Inc. Haverstraw Quarry, which is a permitted mine/quarry and an approved New York State Department of Transportation (NYSDOT) source. The Source Number is 8-10R. This source is 100% virgin Traprock (Diabase) that is quarried and processed to finished size. It was clean and free from contaminants prior to shipping and classified as Coarse Aggregate Type 1A specification, with maximum size ½ inch, minimum size 1/8 inch and with 2% maximum passing #8 sieve.

Prior to backfilling, one (1) layer of 6-mil polyethylene sheeting was placed on top of the excavated soil. All fill material was inspected by GCE prior to its placement. The backfill was systematically placed to allow maximum time for natural settlement. The backfill material was compacted in continuous layers not exceeding 6 inches. No frozen backfill material was placed. A total of approximately 24.91 tons of crushed stone was used to backfill the excavation. A copy of the Tilcon quality testing report (“letter of origin”), bill of lading from Haverstraw Quarry and Eastern Concrete Materials receipt are attached in Appendix B.

GCE restored the floor slab to meet existing conditions using Class A 3,500 psi concrete, provided by Eastern Concrete Materials, Elmwood Park NJ. A total of approximately 3.5 cubic yards of concrete was used. A copy of Eastern Concrete Materials receipt is attached.

GCE wet the subbase to minimize absorption of water from the fresh concrete. Prior to pouring concrete, a 6x6 inche wire mesh was installed. GCE poured concrete continuously without any interruption such that cold joints would not occur.

Soil Sampling Results

The end point soil sampling results were compared to 6 NYCRR Part 375-6 Soil Cleanup Objectives for the Protection of Groundwater (Regulatory Standards). Laboratory analysis of the soil samples indicated the following:

The concentrations of VOCs and B/Ns in all soil samples were non-detected, detected below their detection limits, or detected below the Regulatory Standards.

Please refer to Tables 1 & 2 for a Summary of the Detected Compounds (Soil Sampling) and to Appendix C for a copy of the laboratory analytical report and DUSR reports which include soil samples collected during the previous soil delineation conducted by GCE on October 31, 2007 and March 27, 2008.

3.2 SVE SYSTEM DESIGN IRM

The purpose/remedial objectives/goals of the SVE system are two-fold; one is to remediate the elevated soil vapor levels in the unsaturated soils in the vicinity of SS-3, a suspected potential on-site source area, and the second is, to control migration of soil vapor and reduce chlorinated VOC concentrations beneath the floor slab and in all soil vapor probe locations to below NYSDOH guidance levels. Determination of when the remedial objectives have been met will be based on air samples collected from soil vapor monitoring points and soil vapors collected in all the sub slab area.

3.3 REMEDIAL CONTRACTS

No separate remedial contracts were undertaken beyond the IRM remedial contracts.

4.0 DESCRIPTION OF REMEDIAL ACTIONS PERFORMED

The remedial work, which was completed at the site as an IRM, was conducted in accordance with the NYSDEC-approved SC/IRM Work Plan for the 101 Westmoreland Avenue Site (May 11, 2007), as summarized in Sections 2.3 and 3.0 above. It included soil exaction and removal. The remedy also includes an environmental easement and implementation of a soil management plan.

4.1 GOVERNING DOCUMENTS

4.1.1 Technical Specifications

All remedial work performed under the IRM Remedial Action was in full compliance, except as noted herein, with the NYSDEC approved technical specifications and construction bid documents (Technical Specifications Interim Remedial Measures dated October 30, 2009).

4.1.2 Site Specific Health & Safety Plan (HASP)

All remedial work performed under this Remedial Action was in full compliance with governmental requirements, including Site and worker safety requirements mandated by Federal OSHA.

The Health and Safety Plan (HASP) was complied with for all remedial and invasive work performed at the Site.

4.1.3 Quality Assurance Project Plan (QAPP)

The QAPP was prepared as a stand-alone document for the department approved SC/IRM Work Plan. The QAPP describes the specific policies, objectives, organization, functional activities and quality assurance/quality control activities designed to achieve the project data quality objectives.

4.1.4 Community Air Monitoring Plan (CAMP)

GCE performed community air monitoring in accordance with the Community Air monitoring Plan to the above referenced Work Plan.

The community air monitoring plan met the requirements of NYSDEC DER-10 Appendix 1A-NYSDOH Generic Community Air Monitoring Plan

4.1.5 Contractors Site Operations Plans (SOPs)

The Remediation Engineer reviewed all plans and submittals for this remedial project (i.e. those listed above plus contractor and subcontractor submittals) and confirmed that they were in compliance with the work plan. All remedial documents were submitted to NYSDEC and NYSDOH in a timely manner and prior to the start of work.

4.2 REMEDIAL PROGRAM ELEMENTS

4.2.1 Contractors and Consultants

- Ecotest Laboratories, Inc performed end point sample analysis related to the IRM activities.
- York Laboratories, Inc performed sample analysis related to pre-disposal samples.;
- Data Validation Services reviewed and validated analytical data packages from Premier Environmental Services
- Transportation and disposal of contaminated soil/fill/debris pile for disposal at Clean Earth in New Jersey was performed by Clean Earth.
- Backfill material was provided by Tilcon New York, Inc.
- Concrete was provided by Eastern Concrete materials for floor restoration.

4.2.2 Site Preparation

- Prior to excavation activities, GCE called for public and private utility mark out (Call Before You Dig).
- Impacted soil removal and replacement with clean soil

No special site preparation was required for this IRM.

4.2.3 General Site Controls

All excavated soil was placed in two (2) 20-cubic yard roll-off containers and securely covered by two (2) layers of 10-mil polyethylene sheeting and the containers were stored in the parking lot on the east portion of the Site. Once the excavation was completed, GCE collected one (1) pre-disposal composite soil sample (PDS-1). The pre-disposal soil sample was submitted under a chain of custody protocol to York Analytical

Laboratory (York) Stratford, Connecticut, a New York State ELAP-approved laboratory for analysis.

Equipment decontamination at the completion of IRM activities consisted of brushing clean all loose debris and soil from equipment. All removed soil and/or debris was then placed into the dump truck containing the impacted soil/fill and handled/disposed in the same manner as that material.

4.2.4 Nuisance controls

Nuisance controls were not required during IRM activities.

4.2.5 CAMP results

Real time monitoring for the presence of VOCs and dust at the downwind perimeter of the designated work area was conducted upon arriving at the Site and during all excavation work in 15-minute intervals. Total VOCs concentrations were monitored using a PID and did not exceed 5 ppm, an action level at which work activities should be temporarily stopped, as established in the Community Air Monitoring and Health and Safety Plan that is included in the IRM Work Plan. Particulate concentrations were monitored using a Portable Real-Time Particulate Monitor equipped with an audible alarm to indicate exceedance of the action level. The monitor is capable of measuring particulate matter less than 10 micrometers in size (PM-10). PM-10 particulate level during all excavation activities did not exceed the action level of 150 micrograms per cubic meter, as established in the Community Air Monitoring and Health and Safety Plan that is included in the IRM Work Plan, and ranged between 0.01 and 0.23 ug/m^3. Only at the commencement of work, during the concrete saw cut, did concentrations of VOC increase to 11.5 ppm and concentrations of particulates increase to 14.88 ug/m^3, due to exhaust from the saw cutting machine. The doors were opened, and the work area was ventilated, so work could be restarted.

4.2.6 Reporting

All daily and monthly reports were completed.

The digital photo log required is included in electronic format in Appendix A.

4.3 CONTAMINATED MATERIALS REMOVAL

The contaminated soil removal was accomplished through the IRM removed contaminated soil to the depth of approximately 4.5 feet in the area of the former drywell.

A total of 27.22 tons of impacted soil was removed and disposed of at the Clean Earth of Carteret, NJ disposal facility. All waste disposal permits are provided in Appendix B. All impacted soil was properly manifested and a summary of the manifests and individual manifests are provided in Appendix B.

A figure of the location of original sources and areas where excavations were performed is shown in Figure 1.

4.3.1 Contamination Removal in the Drywell

A total of approximately 20 cubic yards (27.22 tons) of contaminated soil was removed during the excavation activities.

A figure of the location of original sources and areas where excavations were performed is shown in Figure 1.

The soil sampling results of the pre-disposal soil sample (PDS-1) were compared to the disposal facility (Clean Earth of Carteret, NJ) requirements including PCBs, Ignitability, Corrosivity, Reactivity, and the US Environmental Protection Agency (EPA) Hazardous Levels for tetrachloroethylene and 8 RCRA Metals via TCLP.

A summary of the samples collected to characterize the waste, and associated analytical results are summarized on Table 1. Letters from applicants to disposal facility owners and acceptance letters from disposal facility owners are attached in Appendix B. Manifests and bills of lading are included in electronic format in Appendix B.

The impacted soil was removed and disposed of at the Clean Earth of Carteret, NJ disposal facility. All waste disposal permits are provided in Appendix B. A total of approximately 27.22 tons of contaminated soil was disposed of. The Site owner was designated as the generator of the waste on the manifests.

4.3.2 On-Site Reuse

There were no materials reused from the IRM operations.

4.4 REMEDIAL PERFORMANCE/DOCUMENTATION SAMPLING

Post-excavation soil samples were collected in accordance with the requirements as outlined in Section 5.4 of DER-10 and in a letter from NYSDEC dated June 12, 2008, as follows:

- Two (2) sidewall samples each from the long dimensions of the excavation, approximately 6 inches up the wall from the excavation bottom;
- One (1) sidewall sample each from each of the short dimensions of the excavation, approximately 6 inches up the wall from the excavation bottom; and,
- Two (2) excavation bottom samples.

All soil samples were analyzed for VOCs using EPA Method 8260 and B/Ns using EPA Method 8270.

A table and figure summarizing all end-point sampling is included in Table 2 and Figure 1, respectively. Data Usability Summary Reports (DUSRs) were prepared for all data generated in this remedial performance evaluation program. These DUSRs are included in Appendix C, and associated raw data is provided electronically in Appendix C.

Once the excavation was completed, GCE collected one (1) pre-disposal composite soil sample (PDS-1). The pre-disposal soil sample was submitted under a chain of custody protocol to York Analytical Laboratory (York) Stratford, Connecticut, a New York State ELAP-approved laboratory for analysis of tetrachloroethylene and 8 RCRA Metals via Toxicity Characteristic Leaching Procedure (TCLP) using EPA Method 1311/6010 and PCBs using EPA Method 8082. Concentrations of VOCs and B/Ns were known from previous analyses obtained during dry well delineation, and therefore these compounds were not analyzed.

The soil sampling results of the pre-disposal soil sample (PDS-1) were compared to the disposal facility (Clean Earth of Carteret, NJ) requirements including PCBs, Ignitability, Corrosivity, Reactivity, and the US Environmental Protection Agency (EPA) Hazardous Levels for tetrachloroethylene and 8 RCRA Metals via TCLP.

Laboratory analytical results of the pre-disposal soil sample (PDS-1) identified no concentrations of contaminants above the US EPA Hazardous Levels for 8 RCRA metals or above Clean Earth of Carteret, NJ, requirements.

4.5 IMPORTED BACKFILL

The excavation was backfilled and compacted to 4 inches below grade with approved clean fill. GCE utilized backfill from Tilcon New York Inc. Haverstraw Quarry, which is a permitted mine/quarry and an approved New York State Department of Transportation (NYSDOT) source. The Source Number is 8-10R. This source is 100% virgin Traprock (Diabase) that is quarried and processed to finished size. (Please, refer to the Figure 1 for the excavated area).

Prior to backfilling, one (1) layer of 6-mil polyethylene sheeting was placed on top of the excavated soil. All fill material was inspected by GCE prior to its placement. The backfill was systematically placed to allow maximum time for natural settlement. The backfill material was compacted in continuous layers not exceeding 6 inches. No frozen backfill material was placed. A total of approximately 24.91 tons of crushed stone was used to backfill the excavation.

4.6 CONTAMINATION REMAINING AT THE SITE

- Concentrations of PCE in groundwater increase to the north and to the east and are the highest in MW6 and MW-9 (13-27 ug/l) along the northern boundary of the Site and in MW-2 and MW-3 (16-20 ug/l) along the eastern boundary of the site. This data indicates that the main source(s) of PCE are located off-site, on the properties located to the north and to the east and hydraulically cross- and up-gradient of the site. In addition, the PCE concentration at SS-9 (deep soil vapor sample just above the groundwater table, located along the eastern boundary of

the site, near MW-2) was elevated (3,460 ug/m^3), also suggests an off-site (up-gradient) contribution of PCE to the site groundwater.

- In addition, concentrations of 1,1,1-TCA and its breakdown products (1,1-DCA and 1,1-DCE) increase to the east and especially to the southwest, and are highest in MW-2 (57 ug/l) along the eastern boundary of the site and in MW-8 and MW-7 (100-249 ug/l) along the southwestern boundary of the site. In addition, 1,1,1-TCA concentration at SS-9 (deep soil vapor sample just above the groundwater table, located along the eastern boundary of the Site, near MW-2) is the highest among the all soil vapor samples (3,938 ug/m^3), also indicates that 1,1,1-TCA originated most likely from an up-gradient off-site source(s).

- The results of this investigation document that the former dry well was a contributing local source of chlorinated solvents.

- Chlorinated VOCs, namely PCE, TCE and 1,1,1-TCA were detected in concentrations that are elevated in comparison to NYSDOH Guidance in all the soil vapor samples (SS-1 through SS-9) and in the indoor ambient air samples. The highest concentration of 1,1,1-TCA in soil vapors (3,821.30 ug/m^3) was detected in SS-9 (deep soil vapor sample just above the groundwater table, located along the eastern boundary of the Site, near MW-2). In addition, this sample contained its breakdown products - 1,1-DCE (83.37 ug/m^3) and 1,1-DCA (33.22 ug/m^3) which were not detected in any other soil vapor samples. High concentration of 1,1,1-TCA in this deep soil vapor sample generally coincides with the elevated concentration of this compound in groundwater, and indicates that the groundwater is most likely the source of chlorinated VOCs in soil vapors at the site. This data indicates that an off-site (up-gradient) source of 1,1,1-TCA impacts the site groundwater.

- The highest sub-slab soil vapor concentration of PCE (6,785 ug/m^3) and an elevated concentration of 1,1,1-TCA (3,300 ug/m^3) was detected in SS-3 (shallow sub-slab soil vapor sample, located in the southern portion of the garage building, close to the painting room). This data indicates that a potential source of PCE is located in the area of SS-3. This will be addressed by installation an SVE system

in this area (Please refer to the Figure 2 for results of soil samples remaining at the site after completion of the remedial action).

Since contamination remains beneath the site after completion of the remedial actions, Institutional and Engineering Controls are required to protect human health and the environment. These engineering and Institutional Controls (ECs/ICs) are described in sections 4.6 through 4.9. Long term management of these ECs/ICs and residual contamination will be performed under the Site Management Plan (SMP) approved by the NYSDEC.

4.7 SITE COVER

The building slab and pavement will act as a site cover for residual contaminated soils that exceed soil clean up objectives for the site use.

Figure 3 shows the as-built cross sections for each remedial cover type used on the site. The Concrete Cover will be used for all areas within the building footprint and the Asphalt Cover will be used for all areas outside the building footprint. An Excavation Work Plan, which outlines the procedures required in the event the cover system and/or underlying residual contamination are disturbed, is provided in Appendix A of the SMP.

4.8 OTHER ENGINEERING CONTROLS

Since contaminated soil vapor exists beneath the site, Engineering Controls (EC) is required to protect human health and the environment. The following Engineering Controls will be used for this site.

Overview of SVE Design and Operational Strategy:

- The goal of the SVE is to reduce chlorinated solvent vapors and to create a vacuum within the sub-slab soils as a vapor intrusion control focusing on extracting vapors using wells to be installed through the facility's slab floor at two locations.
- The SVE would be installed at the exterior rear of the building at the western portion of the Site adjacent to the auto detailing area located at 101 Westmoreland Avenue, White Plains, New York.

- The SVE system consists of a regenerative blower, inlet and outlet plumbing, air filter, moisture separator, ambient air valve, vacuum gauges, power disconnect and a thermal overload circuit (please refer to the attached Figure 4 of SVE System Design Work Plan: SVE Layout).

- Two (2) soil vapor extraction points (SVE-1 & SVE-2) will be located where elevated concentrations of VOCs were measured below the slab in the automotive repair shop area (near soil vapor sample SS-3). The SVE will capture and remove volatilized VOCs in the sub-slab area. The SVE will be installed at the exterior rear of the building at the western portion adjacent to the auto detailing area of the site. Underground and aboveground piping will be connected from each SVE well to the equipment area where the piping is manifolded and connected to the vacuum blower. A regenerative vacuum blower rated at 2 HP and capable of 80-150 CFM at 47 inches of water will be used to recover the vapors at the SVE wells. The vapor stream will go through a moisture (air/ water) separator (37 gallon capacity) where high efficiency cyclonic separation takes place, which is outfitted with a drain for convenient removal of fluids. Clogged filter will be diagnosed by vacuum gauges which are mounted before and after the air filter and are adjusted using ambient air valve. The Pressure Switch (PS) and High Level Switches (LSHH) act as alarms and are interlocked to the blower which helps monitor the SVE blower operation, flow, pressure and potential malfunctions. The final vapors coming out of moisture separator will be treated using either vapor phase carbon or catalytic incinerator.

R emediation Objectives: The purpose/remedial objectives/goals of the SVE system are two-fold; one is to remediate the elevated soil vapor levels in the unsaturated soils in the vicinity of SS-3, and the second is to control migration of soil vapor and reduce chlorinated VOC concentrations from beneath the slab. Remedial objective completion will be based on air samples collected from soil vapor monitoring points and soil vapors collected in the sub slab areas.

SVE Shutdown: A significant reduction in VOC mass is expected to occur within the first 6 to 12 month operational period. During this period, the following rationale will be

utilized to assess the effectiveness of the SVE system and determine the optimum time to permanently shut down the system. The SVE will be temporarily shut down when the mass of VOCs removed during any two consecutive monitoring periods is determined to be equal to or less than 10% of the mass removed during the prior period. The shut off period will be one month. The SVE will then be turned on. If the SVE shows similar results (less than 10% reduction during the next two consecutive monitoring periods), the SVE should be shut off permanently as it has reached its limit of effectiveness.

Operations and Monitoring: Process and performance monitoring will be conducted during SVE system operations to evaluate overall vapor concentrations and to track mass removal rates over time. Well field vapor concentrations will also be periodically evaluated (using vapor probes or the SVE wells under either dynamic (i.e system on or static system off) conditions) to assess the progress of remediation activities. This data will be used as part of the system optimization strategy which will include maximizing VOC mass removal rates by focusing SVE wells on areas of higher vapor concentration/vapor production.

Schedule: The SVE system is anticipated to begin operation in mid 2015 and operate for up to 2-3 years.

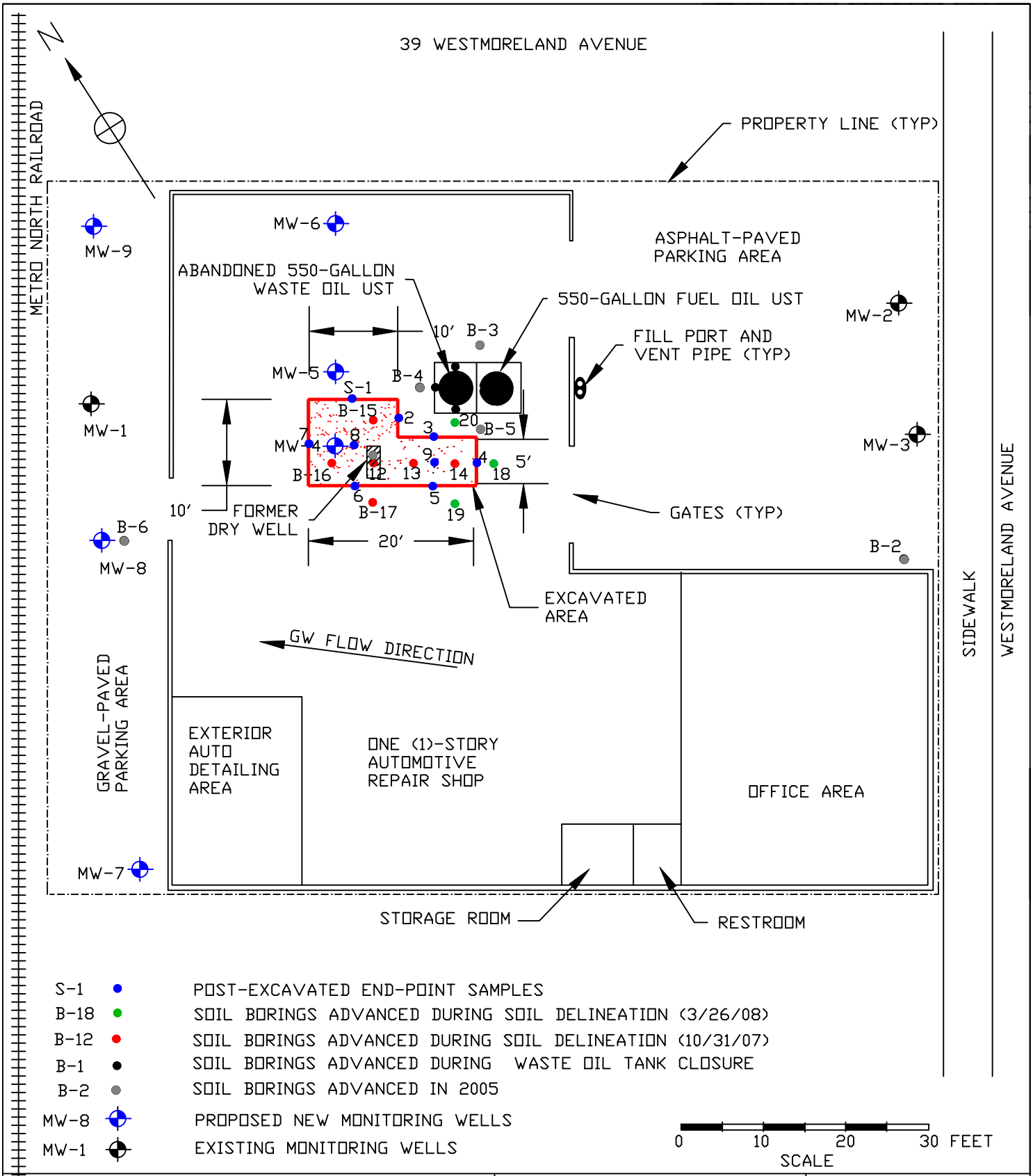
Procedures for monitoring, operating and maintaining the SVE system are provided in the Operation and Maintenance Plan of the Site Management Plan (SMP). The Monitoring Plan also addresses inspection procedures that must occur after any severe weather condition has taken place that may affect on-site ECs.

4.9 INSTITUTIONAL CONTROLS

The site remedy requires that an environmental easement be placed on the property to (1) implement, maintain and monitor the Engineering Controls; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the site to commercial or industrial uses, only.

5.0 DEVIATIONS FROM THE REMEDIAL ACTION WORK PLAN

There were no significant deviations from remedial design for any of the IRMs.



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INTERIM REMEDIAL MEASURES

101 WESTMORELAND AVENUE
WHITE PLAINS, NEW YORK 10606

GCE PROJECT NO: 05-003-00

DWG. TITLE:

FIGURE 1

SITE PLAN WITH EXCAVATION AND LOCATIONS OF END-POINT SAMPLES

PARAMETER	PART 375-6 SOIL CLEANUP OBJECTIVES FOR THE PROTECTION OF GROUNDWATER	S-1 NORTH WALL 4.0'
TETRACHLOROETHENE (PCE)	1,300	9.4
TOTAL BTEX		0
TOTAL CHLORINATED SOLVENTS		9
TOTAL VOC		9
TOTAL SVOC		0
PID READING (PPM)		1.5

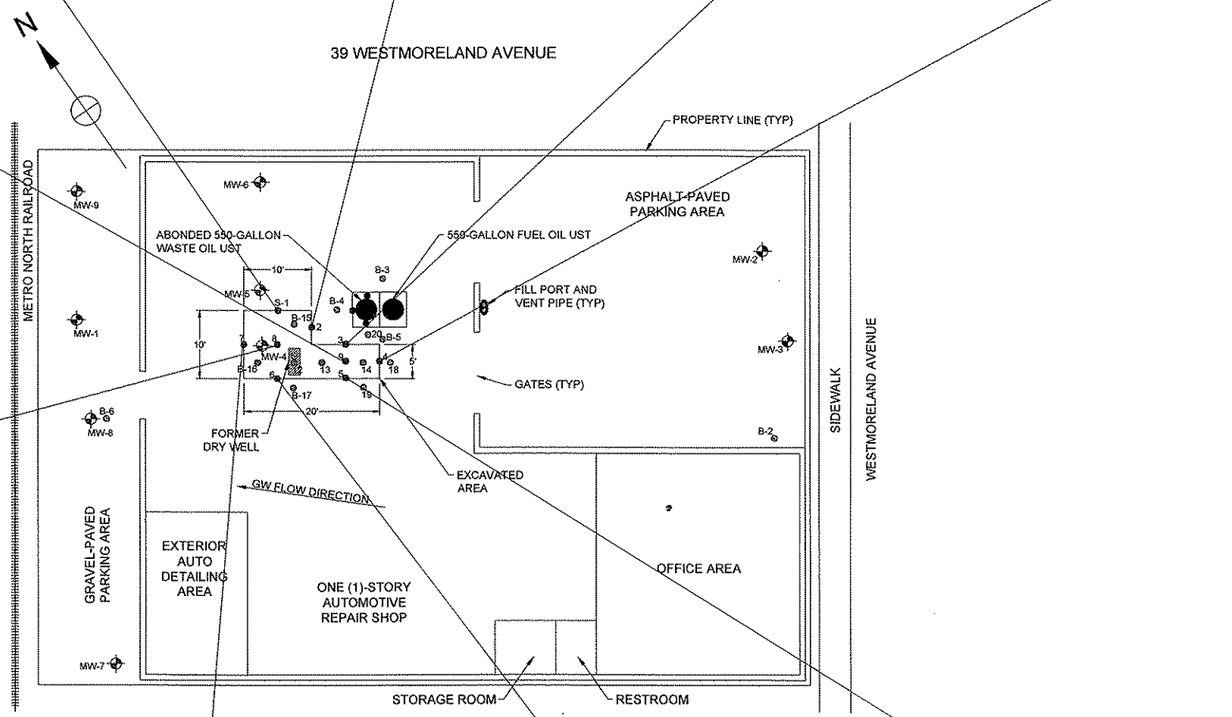
PARAMETER	PART 375-6 SOIL CLEANUP OBJECTIVES FOR THE PROTECTION OF GROUNDWATER	S-2 EAST WALL 3.5'
TETRACHLOROETHENE (PCE)	1,300	9.4
TOTAL BTEX		0
TOTAL CHLORINATED SOLVENTS		9
TOTAL VOC		9
TOTAL SVOC		0
PID READING (PPM)		0.5

PARAMETER	PART 375-6 SOIL CLEANUP OBJECTIVES FOR THE PROTECTION OF GROUNDWATER	S-3 NORTH WALL 3.1'
TOTAL BTEX		0
TOTAL CHLORINATED SOLVENTS		0
TOTAL VOC		0
TOTAL SVOC		0
PID READING (PPM)		0

PARAMETER	PART 375-6 SOIL CLEANUP OBJECTIVES FOR THE PROTECTION OF GROUNDWATER	S-4 EAST WALL 2.7'
TOTAL BTEX		0
TOTAL CHLORINATED SOLVENTS		0
TOTAL VOC		0
TOTAL SVOC		0
PID READING (PPM)		0

	PARAMETER	PART 375-6 SOIL CLEANUP OBJECTIVES FOR THE PROTECTION OF GROUNDWATER	S-8 BOTTOM 4.5'
SVOC	1, 2-DICHLOROBENZENE	N/S	370
	FLUORANTHENE	1,000,000	38
	PYRENE	1,000,000	68
	TOTAL BTEX		0
	TOTAL CHLORINATED SOLVENTS		114
	TOTAL VOC		177
	TOTAL SVOC		793
	PID READING (PPM)		5.1

	PARAMETER	PART 375-6 SOIL CLEANUP OBJECTIVES FOR THE PROTECTION OF GROUNDWATER	S-8 BOTTOM 4.5'
VOC	CIS-1, 2-DICHLOROETHE (DCE)	250	5
	1, 2-DICHLOROBENZENE	1,100	28
	METHYLENE CHLORIDE	50	8
	1,2,4-TRIMETHYLBENZENE	3,600	12
	1,2,4,5-TRIMETHYLBENZENE	N/S	16
	1,3,5-TRIMETHYLBENZENE	8,400	7
	TETRACHLOROETHENE (PCE)	1,300	100
SVOC	1, 2-DICHLOROBENZENE	N/S	230
	2-METHYLNAPTHALENE	N/S	45
	BENZO(A)ANTHRACENE	1,000	35
	BENZO(B) FLUORANTHENE	1,700	40
	BENZO(G,H,I)PERYLENE	1,000,000	95
	BENZO(K)FLUORANTHENE	1,700	35
	CHRYSENE	1,000	46
	FLUORANTHENE	1,000,000	65
	INDENO(1,2,3-CD)PYRENE	8,200	35
	NAPHTHALENE	12,000	44
	PHENANTHRENE	1,000,000	55
	PYRENE	1,000,000	68
	TOTAL BTEX		0
	TOTAL CHLORINATED SOLVENTS		114
	TOTAL VOC		177
	TOTAL SVOC		793
	PID READING (PPM)		5.1



PARAMETER	PART 375-6 SOIL CLEANUP OBJECTIVES FOR THE PROTECTION OF GROUNDWATER	S-7 WEST WALL 4.0'
TETRACHLOROETHENE (PCE)	1,300	10
TOTAL BTEX		0
TOTAL CHLORINATED SOLVENTS		10
TOTAL VOC		10
TOTAL SVOC		0
PID READING (PPM)		10

PARAMETER	PART 375-6 SOIL CLEANUP OBJECTIVES FOR THE PROTECTION OF GROUNDWATER	S-6 SOUTH WALL 3.5'
TOTAL BTEX		0
TOTAL CHLORINATED SOLVENTS		0
TOTAL VOC		0
TOTAL SVOC		0
PID READING (PPM)		0

PARAMETER	PART 375-6 SOIL CLEANUP OBJECTIVES FOR THE PROTECTION OF GROUNDWATER	S-5 SOUTH WALL 2.8'
TOTAL BTEX		0
TOTAL CHLORINATED SOLVENTS		0
TOTAL VOC		0
TOTAL SVOC		0
PID READING (PPM)		0

LEGEND

- S-01 ● POST EXCAVATED END-POINT SAMPLES
- B-18 ◎ SOIL BORING ADVANCED DURING SOIL DELINEATION (3/26/08)
- B-12 ◎ SOIL BORING ADVANCED DURING SOIL DELINEATION (10/31/07)
- B-1 ● SOIL BORING ADVANCED DURING WASTE OIL TANK CLOSURE
- B-2 ◎ SOIL BORING ADVANCED IN 2005
- MW-8 ⊕ PROPOSED NEW MONITORING WELLS
- MW-1 ⊕ EXISTING MONITORING WELLS

DEPTH OF EXCAVATION

- 4.5'
- 4.0'
- 3.5'

0 10 20 30 FEET

SCALE

NOTES

S-01 ● POST EXCAVATED END-POINT SAMPLES IN UG/KG. ONLY CONCENTRATIONS DETECTED ARE LISTED

G. C. ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS

SITE PLAN WITH EXCAVATION AND LOCATIONS OF END-POINT SAMPLES

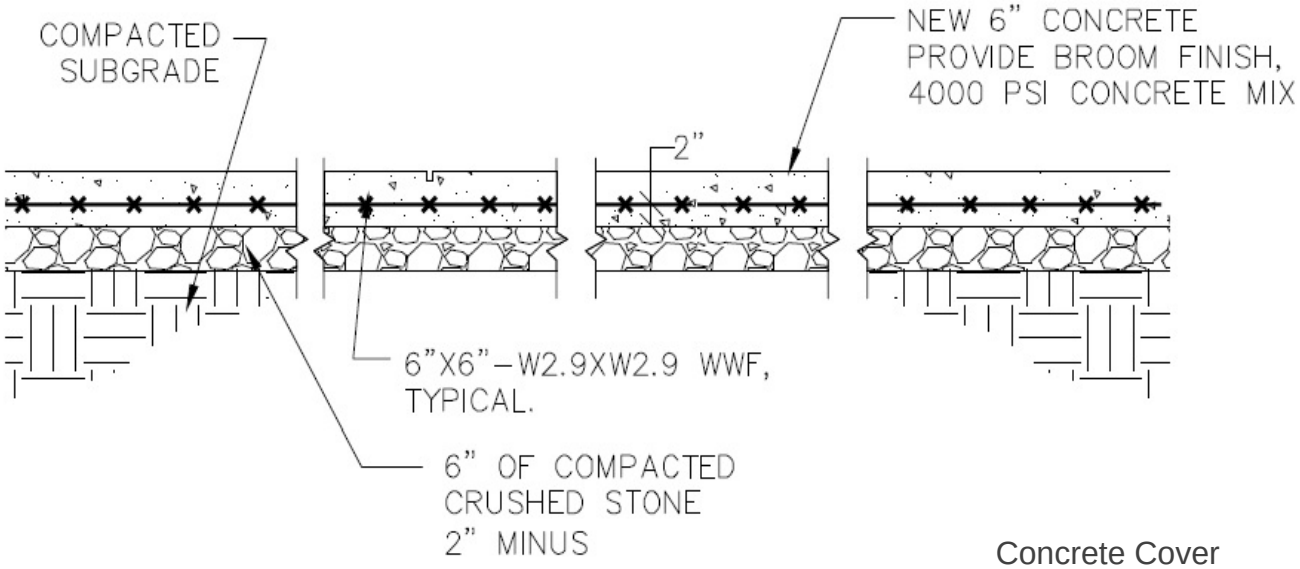
SEAL:

STATE OF NEW YORK
DEAN E. DEVOE
No. 072513
LICENSED PROFESSIONAL ENGINEER

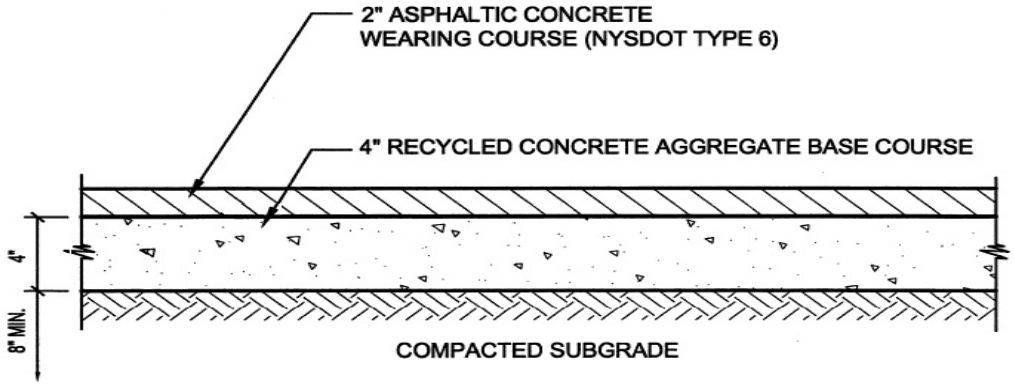
FIGURE 2
INTERIM REMEDIAL MEASURES

DRAWN BY: J.W.	SCALE AS INDICATED
APPROVED BY: G.C.	GCE PROJECT NO: 05-003-00

101 WESTMORELAND AVENUE
WHITE PLAINS, NEW YORK 10606



Concrete Cover



Asphalt Cover

G. C. Environmental, Inc.
CONSULTANTS CONTRACTORS

22 OAK STREET
BAY SHORE, NEW YORK 11706

TEL: (631) 206-3700
FAX: (631) 206-3729

INTERIM REMEDIAL MEASURES

101 WESTMORELAND AVENUE
WHITE PLAINS, NEW YORK 10606

GCE PROJECT NO.: 15-003-00

DWG. TITLE

FIGURE 3

CROSS SECTIONS FOR REMEDIAL COVER TYPES USED AT THE SITE

Table 1
Summary of Detected Compounds (Pre-Disposal Soil Sample - PDS-1)
101 Westmoreland Avenue, White Plains, NY
GCE Project No. 05-003-00

	Parameter	Disposal Facility (Clean Earth of Carteret) Requirements	USEPA TCLP Hazardous Levels (mg/L)	Concentrations (mg/Kg) Soil
				PDS-1
VOC	Tetrachloroethylene		1	0.01
TCLP Metals	Arsenic		5	
	Barium		100	0.938
	Cadmium		1	
	Chromium		5	
	Lead		5	0.112
	Mercury		0.2	
	Selenium		1	
	Silver		5	
PCB	PCB 1260	n/s		0.03
	Ignitability			Passed
	Corrosivity			
	Reactivity			
pH				8.45

n/s	No Standards
	Compounds were non-detected or detected below their detection limit.

Table 2
Summary of Detected Compounds (IRM Excavation, End Point Soil Sampling, 1/7/2009)
101 Westmoreland Avenue, White Plains, NY
GCE Project No. 05-003-00

	Parameter	Part 375-6 Soil Cleanup Objectives for the Protection of Groundwater	Concentrations (ug/Kg)								
			S-1 north wall 4.0'	S-2 east wall 3.5'	S-3 north wall 3.1'	S-4 east wall 2.7'	S-5 south wall 2.8'	S-6 south wall 3.5'	S-7 west wall 4.0'	S-8 bottom 4.5'	S-9 bottom 3.5'
VOC	cis-1,2-Dichloroethene (DCE	250								5	
	t-1,2-Dichloroethene (DCE)	190									
	1,2-Dichlorethane (DCA)	20									
	1,2-Dichlorobenzene	1,100								28	
	1,3-Dichlorobenzene	2,400									
	1,4-Dichlorobenzene	1,800									
	p-Isopropyltoluene	n/s									
	Methylene chloride	50								8	
	m/p-Xylenes	1,600									
	Naphthalene	n/s									
	o-Xylene	1,600									
	1,1,1-Trichloroethane (TCA)	680									
	1,2,3-Trichlorobenzene	n/s									
	1,2,4-Trichlorobenzene	n/s									
	Trichloroethene (TCE)	470									
	1,2,4-Trimethylbenzene	3,600								12	
	1,2,4,5-Trimethylbenzene	n/s								16	
	1,3,5-Trimethylbenzene	8,400								7	
	Tetrachloroethene (PCE)	1,300	9.4	9.4					10	100	
	Toluene	700									
SVOC	1,2-Dichlorobenzene	n/s								230	370
	1,3-Dichlorobenzene	n/s									
	1,4-Dichlorobenzene	n/s									
	1,2,4-Trichlorobenzene	n/s									
	2-Methylnapthalene	n/s								45	
	Acenaphthylene	107,000									
	Anthracene	1,000,000									
	Benzo(a)anthracene	1,000								35	
	Benzo(a)pyrene	22,000									
	Benzo(b) fluoranthene	1,700								40	
	Benzo(g,h,i)perylene	1,000,000								95	
	Benzo(k)fluoranthene	1,700								35	
	BenzylButylPhthalate	n/s									
	Bis(2-ethylhexyl)phthalate	n/s									
	Carbazole	n/s									
	Chrysene	1,000								46	
	Di-n-ButylPhthalate	n/s									
	Dibenzo(a,h)anthracene	1,000,000									
	Fluoranthene	1,000,000								65	38
	Indeno(1,2,3-cd)pyrene	8,200								35	
	Naphthalene	12,000								44	
	Phenanthrene	1,000,000								55	
	Pyrene	1,000,000								68	57
	Total BTEX		0	0	0	0	0	0	0	0	0
	Total Chlorinated Solvents		9	9	0	0	0	0	10	114	0
	Total VOC		9	9	0	0	0	0	10	177	0
	Total SVOC		0	0	0	0	0	0	0	793	465
	PID Readings (ppm)		1.5	0.5	0.0	0.0	0.0	0.0	1.0	5.1	1.0

n/s	No standards
	Compounds were analyzed, but were non-detected or detected below their detection limit.

Table 3
PID and Particulate Readings - GCE 05-003

101 Westmoreland Avenue, White Plains, 1/7/2009

Time	PID	Particulates
8:25	3.3	2.863
8:35	5.8	2.099
8:40	11.5	14.88
8:45	9.8	11.79
8:50	4.5	1.091
8:55	1.5	0.249
9:00	0.5	0.448
9:15	0	0.382
9:30	0	0.322
9:45	0	0.266
10:00	0	0.229
10:15	0	0.209
10:30	0	0.202
10:45	0	0.186
11:00	0	0.169
11:15	0	0.131
11:30	0	0.234
11:45	0	0.135
12:00	0	0.086
12:15	0	0.067
12:30	0	0.063
12:45	0	0.068
1:00	0	0.123
1:15	0	0.12
1:30	0	0.116
1:45	0	0.109
2:00	0	0.102
2:15	0	0.093
2:30	0	0.084
2:45	0	0.084
3:00	0	0.113
3:15	1.5	0.127
3:30	0	0.055
3:45	0	0.135
4:00	0	0.068
4:15	0	0.056
4:30	0	0.074
4:45	0	0.012
5:00	0	0.061

APPENDIX A

1. SAW CUT OF CONCRETE FLOOR.

2. EXCAVATION ACTIVITIES.

3. SOUTH WALL OF THE EXCAVATION. THE UPPER PORTION CONSISTS OF APPROXIMATELY 2 FEET OF DARK-GREY TO BLACK FILL; THE LOWER PORTION- CLEAN YELLOW SAND.

4. COLLECTION OF POST-EXCAVATION SOIL SAMPLES.

5. 1 LAYER OF 6-MIL POLYERHYLENE SHEETING ON TOP OF EXCAVATED SOIL PRIOR TO BACKFILLING.

6. BACKFILLING WITH COARSE AGGREGATE TYPE 1 A CRUSHED STONES.

7. COARSE AGGREGATE TYPE 1 A CRUSHED WASHED STONE.

8. CONTINUOUS COMPACTION OF BACKFILL MATERIAL.

9. FINAL COMPACTION OF BACKFILL MATERIAL.

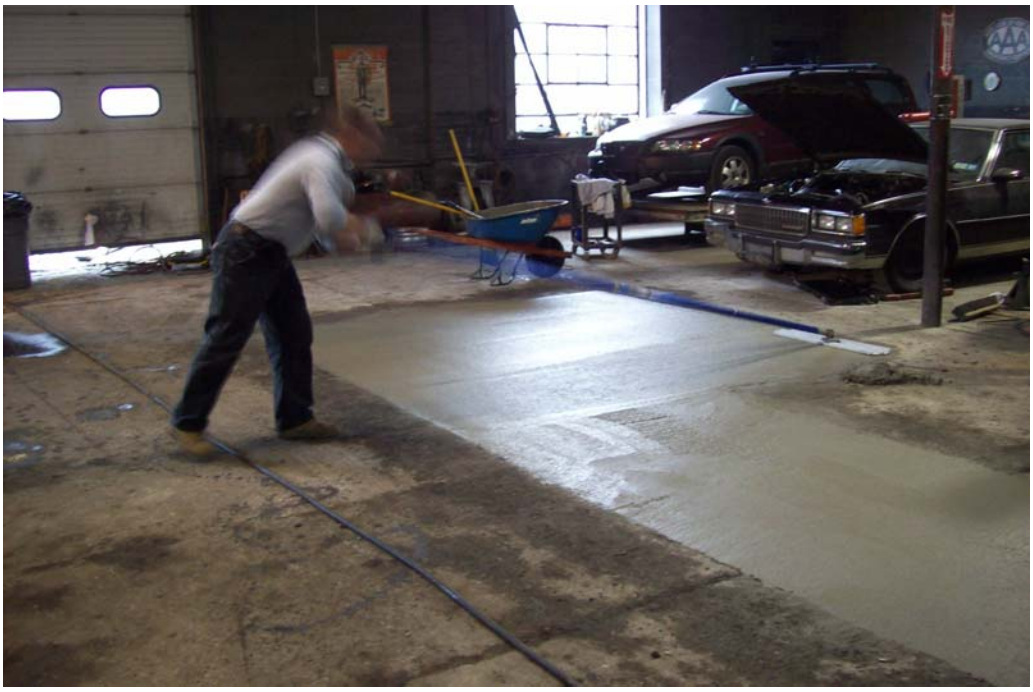
10. UNLOADING OF ROLL-OFF CONTAINERS.

11. CONTAMINATED SOIL PLACED IN 20-CUBIC YARD ROLL-OFF CONTAINERS.

12. INSTALLATION OF 6X6 INCHES WIRE MESH PRIOR TO CONCRETE POURING.

13. POURING OF CONCRETE.

14. LEVELLING OF CONCRETE.



15. FINAL CONCRETE FLOOR RESTORATION.

APPENDIX B

CUSTOMER COPY 2

TILCON NEW YORK INC.

162 OLD MILL ROAD, WEST NYACK, NY 10994

NEW YORK ORDERS 800 TRAP ROC 872-7762
NEW JERSEY ORDERS 800 789 ROCK 789-7625

SCALE NO.	TICKET NO.	DATE	TIME
2	20150953	01/07/09	11:04

WM	ORDER NO.
Dawn	60

SHIPPING PLANT	SOURCE CODE	CONTRACT NUMBER	PURCHASE ORDER	TRUCK CODE
201 HAVERSTRAW QUARRY	8-10R			3803

CUSTOMER CODE	CUSTOMER NAME	PROJECT CODE	HAULER
11	GC ENVIROMENTAL		100161 COVE EXCAVATING CO., I

DELIVERY METHOD	ZONE CODE
1 Delivery	62132

DRIVER PRINT NAME (NO INITIALS)

DRIVER SIGNATURE

DELIVERY ADDRESS
(AMX) 101 Westmoreland Ave. White Plains

INSTRUCTIONS
Greg (914) 588-8512 O: (631) 206-3700 ext 100

ITEM CODE	DESCRIPTION
1011001	1/4" STONE

GROSS	77260lb	38.63UT
TARE	27440lb	13.72UT
NET	49820lb	24.91UT

# OF LOADS	US TONS TODAY	METRIC TONS TODAY
1	24.91	22.6

UNIT PRICE:	23.85 / UT
SUBTOTAL:	594.10
FREIGHT:	200.53
TAX:	58.61
TKT TOTAL:	853.24
ORDER TOTAL:	853.24

CONTROL NO. C5351257

ON JOB : ☐ AM ☐ PM

OFF JOB : ☐ AM ☐ PM

CUSTOMER SIGNATURE:

TILCON NEW YORK INC. ISSUES THIS RECEIPT SOLELY FOR CALCULATING THE WEIGHT OF PURCHASED MATERIALS. CUSTOMER/HIRED HAULER IS SOLELY RESPONSIBLE FOR OPERATING THE VEHICLE WITHIN ITS PERMITTED WEIGHT LIMITATION AND FOR THE SAFE AND PROPER PICK-UP, HAULING AND DELIVERY OF MATERIALS. CUSTOMER/HIRED HAULER SHALL DEFEND AND INDEMNIFY TILCON NEW YORK INC. AGAINST ANY AND ALL CLAIMS ARISING OUT OF A FAILURE TO: (1) COMPLY WITH PERMITTED WEIGHT LIMITATIONS; AND (2) SAFELY PICK-UP, HAUL AND DELIVER MATERIALS.

OSHA M.S.D.S. AVAILABLE UPON REQUEST

Fax Cover Page

Date: January 6, 2009

From: Tilcon NY, Inc.
New York Division QC
Fax: 845-496-1398
Phone: 845-496-1600 x 234
rpatton@advancetesting.com

To: GC Environmental

Attn: Debbie

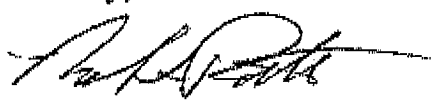
Re: Haverstraw washed ¼"

Please find 2 pages total.

As requested.

Please contact me with any questions.

Sincerely,



Robert Patton
Quality Control

Since Advance Testing 1984

CONSTRUCTION MATERIALS TESTING & INSPECTION SERVICES

January 6, 2009

To whom it may concern,

Tilcon New York Inc. Haverstraw Quarry is a New York State DOT approved material source. The Source Number is 8-10R. This source is 100% virgin Traprock (Diabase) that is quarried and processed to finished sizes. To the best of our knowledge it is clean and free from contaminants, prior to shipping.

The following gradation is provided for NYSDOT 703-02 Coarse Aggregate, Size #1a.

Sieve Size	%Pass	Spec
½"	100	100
3/8"	100	
¼"	91	90-100
no.4	29	
1/8"	3	0-15
no.8	2	

This product is 100% washed ¼" stone from the crushing operation.

Please contact me with any questions regarding this product.

Yours truly,

Robert Patton
Quality Control

Eastern Concrete Materials

a US CONCRETE company

DISPATCH LOCATIONS

PLANT LOCATIONS: NEW JERSEY: BERNARDSVILLE, BOGOTA, E. NEWARK, HOWELL, JERSEY CITY, MT. HOPE, RED BANK, RIVERDALE, ROSELAND, SECAUCUS

NEW YORK: MT. VERNON, WEST NYACK

475 Market Street, Suite 302
Elmwood Park, NJ 07407
(201) 797-7979
1-800-822-7242

TICKET NUMBER

1902120 4

WARNING: IRRITATION TO THE SKIN AND EYES: Contains Portland Cement. Wear rubber boots and gloves. PROLONGED CONTACT MAY CAUSE BURNS. Avoid contact with eyes and prolonged contact with skin. In case of contact with skin or eyes, flush thoroughly with water. If irritation persists, get medical attention. KEEP CHILDREN AWAY.

CONCRETE IS A PERISHABLE COMMODITY AND BECOMES THE PROPERTY OF THE PURCHASER UPON LEAVING THE PLANT. ANY CHANGES OR CANCELLATION OF ORIGINAL INSTRUCTIONS MUST BE TELEPHONED TO THE OFFICE BEFORE LOADING STARTS.

WE DO NOT GUARANTEE FINISHED RESULTS OBTAINED FROM THIS LOAD OF CONCRETE AS MANY IMPORTANT FACTORS AFFECTING THE ULTIMATE QUALITY OF THE COMPLETED JOB ARE OUT OF OUR CONTROL. We do not warrant that the concrete can be used in any particular environment or soil conditions or that the concrete is fit for any particular use. Selection of the mix design and/or specification of the mix design parameters are solely the responsibility of the Customer, and we assume no liability therefore.

PLEASE NOTE: THIS LOAD OF CONCRETE IS PRODUCED IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR READY MIX CONCRETE ASTM. ANY DE-ICING MATERIALS, IMPROPER FINISHING AND LACK OF CURING WILL CAUSE DAMAGE OR A DECREASE IN STRENGTH.

NOTICE: MY SIGNATURE BELOW INDICATES THAT I HAVE READ THE HEALTH WARNING NOTICE AND SUPPLIER WILL NOT BE RESPONSIBLE FOR ANY DAMAGE CAUSED WHEN DELIVERING INSIDE CURB LINE AND AGREE TO THE TERMS AND CONDITIONS ON REVERSE SIDE. TIME IN EXCESS OF FREE TIME WILL BE CHARGED AT CURRENT DELAY RATE. ALL C.O.D. DELIVERIES MUST BE PAID IN ADVANCE AND LOAD ACCEPTED BY SIGNING THIS DELIVERY TICKET BEFORE POURING.

LOAD RECEIVED BY:

X _____

PROPERTY DAMAGE RELEASE
(TO BE SIGNED IF DELIVERY TO BE MADE INSIDE CURB LINE)

Dear Customer – The size and weight of this truck could cause damage to the premises and/or adjacent property if this load is placed where you desire. It is our wish to help you in every way that we can, but in order to do this we are requesting that you sign this RELEASE relieving this supplier and its affiliates from any responsibility from damage that may occur to the premises and/or adjacent property, buildings, sidewalks, drive-ways, curbs, etc., due to the delivery of this material, and that you also agree to help the driver remove mud from the wheels of his vehicle so that it will not litter the public street. Further, as additional consideration; the undersigned agrees to indemnify and hold harmless the driver of this truck and this supplier and its affiliates for any and all damage to the premises and/or adjacent property which may be claimed by anyone to have arisen out of delivery of this order.

SIGNED: X _____

CALIFORNIA WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

WATER ADDED AT CUSTOMER REQUEST
EXCESSIVE WATER IS DETRIMENTAL TO CONCRETE PERFORMANCE.

X _____
REQUESTOR'S NAME

SA

FULL LOAD (GALLONS)	¾ LOAD (GALLONS)	½ LOAD (GALLONS)	¼ LOAD (GALLONS)

TEST RESULTS

SLUMP	CONC. TEMP.	AIR%

CYLINDERS TAKEN: ☐ YES ☐ NO

NAME OF TESTING LAB:

CUSTOMER	CUSTOMER CODE	DELIVERY ADDRESS
G C ENVIROMENTAL	1400190	WHITE PLAINS 101 WESTMORLAND AV E
PROJECT NAME	**PROJECT CODE**	
RIVERSIDE	1503274	

CUSTOMER P.O. #	SPECIAL INSTRUCTIONS
CC OK	MIX ID:CONTIP3 COMMERCIAL BLDG NEAR FISHER AVE
CUSTOMER JOB ID #	

LOAD QUANTITY	ORDERED QTY	CUMULATIVE QTY	PRODUCT ID	DESCRIPTION	UNIT PRICE	EXTENDED PRICE
3.50	3.50	3.50	15211527	3500 PSI MIX	112.00	392.00
				COLD WEATHER CONCRETE		
				TRUCKING CHARGE		167.50

BATCH TIME	LEAVE PLANT	ARRIVE JOB	BEGIN POUR	FINISH POUR	LEAVE JOB	ARRIVE AT PLANT	USAGE CODE	SUB TOTAL
9:35AM	945	1030	1040				FOUND	575.25

TOTAL WAIT TIME	PREVIOUS TRUCK	LOAD #	SLUMP	MAP PAGE	TIME DUE ON JOB	TAX RATE	TAX
		1	4		10:25	WHP	0.00

DATE	ORDER #	PLANT	TRUCK #	DELIVERY PROFESSIONAL	ORDER GRAND TOTAL	TOTAL
08-Jan-09	60002	4A	230	GRESIS, JAMES	575.25	575.25

DRUM REV - AT PLANT	DRUM REV - START	DRUM REV - FINISH	DEPUTY WEIGHMASTER
			JASPER, JAZMIN

CONTROL #
10250337

Begin Tare Aggregate Zero Cement Zero Source

Global H 108035

Print Form

Clean Earth of North Jersey, Inc.

115 Jacobus Ave., South Kearny, NJ 07032 (973) 344-4004

Use Ball Point Pen - Press Firmly

APPROVAL CODE D)_____ B) 001

GENERIC CODE D)_____ B)_____

CUSTOMER # GCE010

LSR #_____

MASTER WPS ____YES ____NO

TECHNICAL REP. INITIALS DW Veasi

BROKER NAME (If Applicable) GC Environmental

APPROVAL DATE_____

A. GENERATOR INFORMATION

GENERATOR'S NAME AAA, Automobile Club of New York

MAILING ADDRESS 1415 Kellum Place, Garden City, NY 11530

WASTE PICKUP ADDRESS 101 Westmoreland Ave, White Plains, NY

EPA ID NO._____ MSDS ATTACHED ____YES ____NO

TECH CONTACT_____ PHONE_____

COMMON NAME OF WASTE excavated soil

PROCESS GENERATING WASTE Remedial Action

BIENNIAL REPORT CODES: SIC CODE_____ SOURCE CODE A____ FORM CODE B____

ORIGIN CODE____ SYSTEM TYPE_____

IS THIS WASTE FROM A PLANT CLOSURE OR PLANT CLEAN UP? ____YES X NO.

B. PHYSICAL/CHEMICAL CHARACTERISTIC

REACTIVITY (PPM)
TOTAL CYANIDES N/D
AMENABLE CYANIDES_____
REACTIVE SULFIDES N/D
CHECK IF WASTE IS:
___WATER REACTIVE
___AIR REACTIVE
___SHOCK SENSITIVE
___GENERATES TOXIC FUMES WHEN MIXED WITH ACID, BASE, OR H2O

PHYSICAL STATE @ 70° F
X SOLID
___LIQUID
___POWDER
___SEMI-SOLID
___SINGLE PHASE
___BI-LAYERED
___MULTI-LAYERED
___GAS/AEROSOL

PERCENT LIQUID/SOLID
TOTAL SOLIDS 100 %
SUSPENDED SOLIDS_____ %
FREE LIQUID_____ %
WATER_____ %

ODOR
X NONE ___MILD ___STRONG
DESCRIBE:_____

COLOR Gray

CORROSIVITY (pH)
___≤ 2.0
___2.01 - 5.0
___5.01 - 9.0
___9.01 - 12.49
___≥ 12.50
8.45 EXACT pH

IGNITABILITY
LIQUIDS:
FLASH POINT °F
___< 100°
___≥ 100° ≤ 140°
___> 140° ≤ 200°
___> 200°
_____ACTUAL
SOLIDS:
___YES X NO

SPECIFIC GRAVITY
___< .8
___≥ .8 ≤ 1
___> 1 ≤ 1.2
___> 1.2
EXACT:
passed

C. CHEMICAL COMPOSITION

	Check if SARA Title III Sec 313	Check if SARA III EHS Sec 302	RANGE MIN.-MAX.
Soil			100 %
			%
			%
			%
			%
			%
			%
			%
			%
			%
			%
			%
			%
TOTAL			100 %

Soil w/trace of VO contamination

PLEASE NOTE THE CHEMICAL COMPOSITION TOTAL IN THE RANGE (MAX.) COLUMN MUST BE GREATER THAN OR EQUAL TO 100 PERCENT

D. TOXICITY CHARACTERISTICS

CONTAMINANT	EPA WASTE #	REGULATORY LEVEL (mg/L)	ACTUAL LEVEL
Arsenic	D004	5.0	N/D
Barium	D005	100.0	0.938
Cadmium	D006	1.0	N/D
Chromium	D007	5.0	N/D
Chromium CR+6	D007	5.0	N/D
Lead	D008	5.0	0.012
Mercury	D009	0.2	N/D
Selenium	D010	1.0	N/D
Silver	D011	5.0	N/D
Benzene	D018	0.5	BRL *
Carbon Tetrachloride	D019	0.5	
Chlordane	D020	0.03	
Chlorobenzene	D021	100.0	
Chloroform	D022	6.0	
o-Cresol	D023	200.0[2]	
m-Cresol	D024	200.0[2]	
p-Cresol	D025	200.0[2]	
Cresol	D026	200.0[2]	
2,4- D	D016	10.0	
1,4-Dichlorobenzene	D027	7.5	
1,2-Dichloroethane	D028	0.5	
1,1-Dichloroethylene	D029	0.7	
2,4-Dinitrotoluene	D030	0.13[1]	
Endrin	D012	0.02	
Heptachlor (and its epoxide)	D031	0.008	
Hexachlorobenzene	D032	0.13[1]	
Hexachlorobutadiene	D033	0.5	
Hexachloroethane	D034	3.0	
Lindane	D013	0.4	
Methoxychlor	D014	10.0	
Methyl Ethyl Ketone	D035	200.0	
Nitrobenzene	D036	2.0	
Pentachlorophenol	D037	100.0	
Pyridine	D038	5.0[1]	
Tetrachloroethylene	D039	0.7	
Toxaphene	D015	0.5	
Trichloroethylene	D039	0.5	
2,4,5-Trichlorophenol	D041	400.0	
2,4,6-Trichlorophenol	D042	2.0	
2,4,5-TP (Silvex)	D017	1.0	
Vinyl chloride	D043	0.2	

* Below Regulatory Level

[1] Quantitation limit is greater than the calculated regulatory level. The quantitation limit therefore becomes the regulatory level.
[2] If o-,m- and p-Cresol concentrations cannot be differentiated, the total Cresol (D026) concentration is used. The regulatory level of total Cresol is 200mg/L

E. HAZARDOUS CHARACTERISTICS

___RADIOACTIVE
___INFECTIOUS
___TOXIC
___EXPLOSIVE
___PYROPHORIC
___OXIDIZER
___CORROSIVE
___OTHER DESCRIBE _____
X NONE OF THE ABOVE

___COMPRESSED GAS
___FLAMMABLE SOLID
___ORGANIC PEROXIDE
___SHOCK SENSITIVE
___REACTIVE METALS
(SPECIFY IN SECTION C)

F. IDENTIFY THE HEALTH HAZARD CHARACTERISTICS FROM THE TABLE BELOW

IMMEDIATE (ACUTE) HEALTH HAZARD

X NONE
___HIGHLY TOXIC
___TOXIC
___IRRITANT
___SENSITIZER
___CORROSIVE
___OTHER HAZARDOUS CHEMICALS WITH AN ADVERSE EFFECT ON A TARGET ORGAN THAT GENERALLY OCCURS AS A RESULT OF SHORT TERM EXPOSURE AND WITH A SHORT DURATION.

DELAYED (CHRONIC) HEALTH HAZARD

___CARCINOGENS (if carcinogens are known to be in waste specify the carcinogen in Section C)
___OTHER HAZARDOUS CHEMICALS WITH AN ADVERSE EFFECT ON A TARGET ORGAN THAT GENERALLY OCCURS AS A RESULT OF LONG TERM EXPOSURE AND WITH A LONG DURATION

G. SHIPPING INFORMATION

___BULK LIQUID
X BULK SOLID
___BULK SLUDGE
___OTHER DESCRIBE _____
___DRUMS (STEEL)
___DRUMS (POLY)
SHIPPING FREQUENCY
QUANTITY _____ PER _____

H. MANIFEST INFORMATION

IS THIS A D.O.T. HAZARDOUS MATERIAL? ___YES X NO
PROPER D.O.T. SHIPPING NAME (49CFR Table 172.101) NOT REGULATED MATERIAL RQ UNITS (lb/kg) _____
D.O.T. HAZARD CLASS / DIVISION: _____ UN/NA _____ PACKAGING GROUP (circle one) I II III
ADDITIONAL DESCRIPTIONS REQUIREMENTS (49CFR 172.203) _____
EMERGENCY RESPONSE TELEPHONE NUMBER (49CFR 172.604) _____ CONTACT (Print Name) _____

I. WASTE CHARACTERISTICS

1) IS THIS A USEPA HAZARDOUS WASTE? ___YES X NO US EPA HAZARDOUS WASTE NUMBER(S) _____ HAZARD CODES _____
IF YES, IF THE WASTE IS A CHARACTERISTIC HAZARDOUS WASTE, DOES IT CONTAIN UNDERLYING HAZARDOUS CONSTITUENTS (as defined at 40CFR 268.2(i)). ABOVE THE UNIVERSAL TREATMENT STANDARD ___YES ___NO.
IF YES PLEASE COMPLETE THE UHC WASTE PROFILE ADDENDUM.

2) STATE NON-HAZARDOUS WASTE NUMBER(S) ID 27

3) DOES THIS WASTE CONTAIN ANY PCB's ___YES X NO IF YES INDICATE LEVEL _____ ARE PCB'S TSCA REQULATED? ___YES ___NO

4) DOES THIS WASTE CONTAIN ANY HERBICIDES, PESTICIDES, DIXON OR RESIDUES THEREOF ___YES X NO
If yes, list compound and concentration in Section C

5) IS THIS WASTE PROHIBITED FROM LAND DISPOSAL UNDER 40CFR Part 268 ___YES X NO.
If yes, list waste subcategory description, if applicable _____ or check none. ___NONE

6) IS THIS WASTE A (Check one) X NON-WASTEWATER ___WASTEWATER? (See 40CFR 268.2)

7) BENZENE NESHAP APPLICABILITY: Is this waste subject to management under National Emission Standards for Benzene Waste Operations as provided in 40CFR Part 61 Subpart FF ___YES X NO IF YES, GIVE BENZENE CONCENTRATION _____

8).DOES THIS WASTE CONTAIN ANY N-NITROSO-N-METHYLUREA? ___YES X NO IF YES, GIVE CONCENTRATION

9) IF THIS WASTE IS A RCRA HAZARDOUS WASTE DOES IT CONTAIN VOC's IN CONCENTRATIONS ≥ 500 PPM.(40CFR Subpart CC) ___YES X NO

10) ARE THERE ANY SPECIAL HANDLING INSTRUCTIONS FOR THE DISPOSAL OF THIS WASTE ___YES X NO, IF YES, SPECIFY _____

J. AUTHORIZATION TO CORRECT WMPS

I AUTHORIZE C.E.N.J., INC. TO MAKE CORRECTIONS TO THIS WMPS. CORRECTIONS MUST BE CONSISTENT WITH THE RESULTS OF SAMPLE ANALYSIS AND REGULATORY REQUIREMENTS. I UNDERSTAND THAT A CORRECTED COPY OF THE WMPS WILL BE SENT TO ME.

SIGNATURE _____

K. SPECIAL HANDLING COMMENTS

L. OFFICIAL USE ONLY

M. APPROVAL

SAFETY _____
ENVIRON _____ 11/13/09 10/13/09

N. POLYCHLORINATED BIPHENYL (PCB), HERBICIDE, PESTICIDE, INSECTICIDE/ALUMINUM AND REACTIVE METAL WARRANTY

I hereby warrant that the material transferred to Clean Earth of North Jersey (C.E.N.J), Inc., for transportation, treatment, storage and/or disposal is not radioactive waste, does not contain > 1% asbestos and is not contaminated by either Polychlorinated Biphenyl or Herbicide/Pesticide/Insecticide or Dioxins or Furans of any value unless it is listed in Section C and approved by C.E.N.J., Inc., nor does it contain Elemental Aluminum or Reactive Metal Paste, Powder, or Pigment unless it is listed in Section C and approved by C.E.N.J., Inc. and hereby agree to indemnify and hold C.E.N.J., Inc. harmless from any costs, damages, or other liability resulting from breach of this warranty or any other terms and conditions of this Waste Material Profile Sheet, including the indemnification listed on the back page.

O. The information on this Waste Material Profile Sheet (WMPS) may have been prepared by other individuals. By signing Section O of this WMPS I certify that all information, including any attached information, is complete and is an accurate representation of the waste and its known or suspected hazards

DATE	PRINTED NAME	TITLE	GENERATOR'S SIGNATURE
10/09/09	JACK BYRNES	ASST. DIRECTOR - MANAGEMENT SERVICES	

Clean Earth of North Jersey, Inc. has all the appropriate permits for and will accept the waste that has been characterized /identified by this Approved Waste Material Profile Sheet.

Pit 4

REVENUE TICKET # 148078

PAGE # 1 OF 1

74 DAN VESCI

CLEANEARTH
treating the planet right
115 JACOBUS AVENUE • SOUTH KEARNY, NJ 07032
(973) 344-4004

CUSTOMER #	GCE010
CUSTOMER	GC ENVIRONMENTAL INC
CONTACT	
PHONE	6312063700

JOB SITE AAA AUTOMOBILE
101 WESTMORELAND AVE
WHITE PLAINS NY 11001

EPA ID. # N/A

ZONE BE

DRIVER

TRACTOR #

TRAILER #
ENVIRONMENTAL TRANSPORT GROUP

IN
OUT 1163

MANIFEST 5214807? DATE RECEIVED 1/14/09

NUMBER OF (CIRCLE ONE) DRUMS/GALS/YARDS 20

OTHER:

PURCHASE ORDER #

C. O. D. AMOUNT ______ CHECK # ______

☐ PULL ☐ PICK-UP ☐ PULL/REPLACE ☐ PUMP TANK ☐ OTHER
☐ DELIVER X☐ IN/WITH ☐ DELIVER/WAIT & PULL ☐ PUMP DRUMS

CLEAN EARTH TO PROVIDE	YES	NO	#	CLEAN EARTH TO PROVIDE	YES	NO	#	CLEAN EARTH TO PROVIDE	YES	NO	#
MANIFEST	N			LINER	N			LIFT	N		
HAZ LABEL	Y			MT. DRUM	N			XTRA HOSE	N		
DOT LABEL	N			OVERPACK	N			HELPER	N		

GROSS WEIGHT: 59480

TARE WEIGHT: 37040

NET WEIGHT: 22440

DEPARTED CENJ	ARRIVED AT CUST.	DEPARTED CUST.	ARRIVED AT CENJ
TIME ☐ AM ☐ PM	TIME ☐ AM ☐ PM	TIME ☐ AM ☐ PM	TIME ☐ AM ☐ PM

REQ. E.T.A. POS. E.T.A.

	NO. AND TYPES CONT.	WASTE DESCRIPTION	APP.#	PRC. #		NO. AND TYPES CONT.	WASTE DESCRIPTION	APP.#	PRC. #
I	20.00 YD	NON HAZ SOIL ID27	001		III				
II					IV				

COMMENTS: ETGI IN WITH

WASTE
ENVIRONMENTAL TRANSPORT GROUP TRANSPORTING FOR CUSTOMER SCHEDULED DATE 01/14/09

THE UNDERSIGNED AGREES THAT THE ABOVE SERVICE INFORMATION IS CORRECT

CUSTOMER SIGNATURE ______ **PRINTED NAME** ______ **DATE** ______

	NO. OF CONTAINERS	CONT. TYPE	PROPER D.O.T. SHIPPING NAME	WASTE TYPE	DISPOSAL SITE(S)	TRA	MANIFEST # (S)	DISPOSAL SITE(S)	TRA	MANIFEST # (S)
A	1	CM	NON REGULATED MATERIAL	ID27						
	JOB		FAP	APP 001						
	COMPLETED ON:			BY:						
B										
	COMPLETED ON:			BY:						
C										
	COMPLETED ON:			BY:						
D										
	COMPLETED ON:			BY:						

DATE COMPLETED: OPERATIONS DEPARTMENT SIGNOFF:

CLEANEARTH
treating the planet right

Manifest # 219684

GLOBAL JOB NUMBER: 108035 FACILITY APPROVAL NUMBER: 09308091

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☑ Other Clean earth
So Kearny, NJ

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of West Virginia
3815 South State Route 2
Friendly, WV 26146
Ph: 304-652-8580

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: AAA 101 Westmoreland Ave White Plains, NY	GROSS WEIGHT: ☐Tons ☐Yards	59480
	TARE WEIGHT: ☐Tons ☐Yards	37040
GENERATOR'S PHONE:	NET WEIGHT: ☒Tons ☐Yards	16 tons 22440

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION RECEIVED PENDING MANIFEST REVIEW AND QUALITY CONTROL

Non-Hazardous Dust from Remedial Activity.
ID27 Rec'd Net 22440 lbs

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Marie Schilke Title: AS Agent
Signature: GC Environmental, Inc. AS Agent Date and Time: 1/14/09

TRANSPORTER

Company: Environmental Transport Group Phone Number: 1-973-347-8200
Address: P.O. Box 296 Fanwood, NJ Truck # and License Plate: 273 AH953W
Driver: Richard McConnell (Type or Print Clearly) SW Haulers Permit #: NJ057 02496 (applicable state permit #) 25049

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 1/14/09 8:00 AM

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 1/14/09 10:30 AM

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Patti Kelly Date and Time: 1-14-09

FACILITY

CLEANEARTH of North Jersey, Inc.

GENERATOR AAA

MAN. NO. CEI219684

TRANSPORTER ETGI

VEHICLE ID. #163

DRIVER ON OFF

REMARKS: BL 148078

DOC#1647

IN

OUT

WEIGH-TRONIX®

22440

WEIGHER

Clean Earth of North Jersey
115 Jacobus Avenue
South Kearny, NJ 07032
Ph: (973) 444-4004 Fax: (973) 344-2652

Ticket: 30A0000011100

	Date	Time	Scale
In:	1/14/2009	10:29:07	Manual W
Out:	1/14/2009	14:22:07	Manual W

	Lbs	Tns
Gross:	59480	29.74
Tare:	37040	18.52
Net:	22440	11.22

Manifest: CEI219684
Vehicle ID: ETGI-163
Vehicle Permit: 25649
Customer: G C ENVIRONMENTAL INC
Hauler DEP#: 15532
Facility Approval#: NA
Generator: AAA AUTOMOBILE CLUB OF NE
Gen Address: 1415 KELLUM PLACE
GARDEN CITY, NY 11530
Job Name: Not Applicable
Job Address: , -

Origin	Materials & Services	Quantity	Unit
Westchester	Non Hazardous Soil - Ton	11.22	Tns
	Contaminate Type: non haz Soil		
	Treatment Type: H141		
	Fac Waste Code: Not Applicable		
Westchester	Transportation In - Unit	0.00	Unts
	Contaminate Type: Not Applicable		
	Treatment Type: Not Applicable		
	Fac Waste Code: Not Applicable		

Sample ID: 148078
Comment:

REVENUE TICKET # 148079 — DOC #152 — PH 4

PAGE # 1 OF ?

CLEANEARTH
treating the planet right
115 JACOBUS AVENUE • SOUTH KEARNY, NJ 07032
(973) 344-4004

DRIVER:

CUSTOMER #
CUSTOMER: GC ENVIRONMENTAL INC
CONTACT:
PHONE: 9172063700 NY

JOB SITE: 21 WESTMORELAND AVE WHITE PLAINS 10601
EPA ID. #: N/A
ZONE: EE

TRACTOR #: ENVIRONMENTAL TRANSPORT GROUP
TRAILER #:

IN
OUT 152

MANIFEST: BT 148079
DATE RECEIVED: 1/14/09
NUMBER OF (CIRCLE ONE) DRUMS/GALS/YARDS: 20

☐ PULL ☐ PICK-UP ☐ PULL/REPLACE ☐ PUMP TANK ☑ OTHER
☐ DELIVER ☒ IN/WITH ☐ DELIVER/WAIT & PULL ☐ PUMP DRUMS

OTHER:
PURCHASE ORDER #
C. O. D. AMOUNT ____ CHECK # ____

CLEAN EARTH TO PROVIDE	YES	NO	#	CLEAN EARTH TO PROVIDE	YES	NO	#	CLEAN EARTH TO PROVIDE	YES	NO	#
MANIFEST	N			LINER	N			LIFT	N		
HAZ LABEL				MT. DRUM	N			XTRA HOSE	N		
DOT LABEL	N			OVERPACK	N			HELPER	N		

GROSS WEIGHT: 64040
TARE WEIGHT: 37040
NET WEIGHT: 27000

DEPARTED CENJ	ARRIVED AT CUST.	DEPARTED CUST.	ARRIVED AT CENJ
TIME ☐ AM ☐ PM	TIME ☐ AM ☐ PM	TIME ☐ AM ☐ PM	TIME ☐ AM ☐ PM

REQ. E.T.A. | POS. E.T.A.

	NO. AND TYPES CONT.	WASTE DESCRIPTION	APP.#	PRC. #		NO. AND TYPES CONT	WASTE DESCRIPTION	APP.#	PRC. #
I	20.00 YD	NON HAZ SOIL 1D27	001		III				
II					IV				

COMMENTS: ETGI IN WITH

WASTE
ENVIRONMENTAL TRANSPORT GROUP TRANSPORTING FOR CUSTOMER — SCHEDULED DATE 01/15/09

THE UNDERSIGNED AGREES THAT THE ABOVE SERVICE INFORMATION IS CORRECT

CUSTOMER SIGNATURE _____ **PRINTED NAME** _____ **DATE** _____

	NO. OF CONTAINERS	CONT. TYPE	PROPER D.O.T. SHIPPING NAME	WASTE TYPE	DISPOSAL SITE(S)	T_R	MANIFEST # (S)	DISPOSAL SITE(S)	T_R	MANIFEST # (S)
A	1	YM	NON REGULATED MATERIAL	1D27						
	JOB		FAP	APP 001						
	COMPLETED ON:		BY:							
B										
	COMPLETED ON:		BY:							
C										
	COMPLETED ON:		BY:							
D										
	COMPLETED ON:		BY:							

DATE COMPLETED: OPERATIONS DEPARTMENT SIGNOFF:

CLEANEARTH
treating the planet right

Manifest # 219685

GLOBAL JOB NUMBER: 108035 FACILITY APPROVAL NUMBER: 09308009J

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☒ Other Clean Earth
S. Kearny

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of West Virginia
3815 South State Route 2
Friendly, WV 26146
Ph: 304-652-8580

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
AAA		69040
101 Westmoreland Avenue	TARE WEIGHT: ☐Tons ☐Yards	37040
White Plains, NY		
GENERATOR'S PHONE	NET WEIGHT: ☐Tons ☒Yards	20yd est 32000

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

non-hazardous dirt from remedial activities (Rec'd net 32000 lbs

ID27

PRINTED PENDING MANIFEST REVIEW AND QUALITY CONTROL

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Annie Schiller | GCEnvironmental AS AGENT Title:

Signature: AS AGENT Date and Time: 1/14/09

TRANSPORTER

Company: Environmental transport Phone Number: 973 397 8200

Address: 5 Goldmine Rd Truck # and License Plate: 273 AH953W

Driver: Rich McDaniel SW Haulers Permit #: 0296 25699

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 1/14/09 12:00 PM

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 1/14/09 1:30

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Pattie Kelly Date and Time: 1-14-09 1:30

FACILITY

CLEANEARTH
of North Jersey, Inc.

GENERATOR AAA

MAN. NO. CCI219685

TRANSPORTER ETGI

VEHICLE ID. 152

DRIVER ON OFF

REMARKS: 148079

Doc# 648

IN

OUT

WEIGH-TRONIX®

32000

WEIGHER

Clean Earth of North Jersey
115 Jacobus Avenue
South Kearny, NJ 07032
Ph: (973) 444-4004 Fax: (973) 344-2652

Ticket: 308000011107

	Date	Time	Scale
In:	1/14/2009	13:31:05	Manual W
Out:	1/14/2009	14:22:05	Manual W

	Lbs	Tns
Gross:	69040	34.52
Tare:	37040	18.52
Net:	32000	16.00

Manifest: CEI219685
Vehicle ID: ETGI-152
Vehicle Permit: 256034
Customer: G C ENVIRONMENTAL INC
Hauler DEP: 15532
Facility Approval#: NA
Generator: AAA AUTOMOBILE CLUB OF NE
Job Name: Not Applicable
Gen Address: 1415 KELLUM PLACE
GARDEN CITY, NY 11530
Job Address: ,

Origin	Materials & Services	Quantity	Unit
Westchester	Non Hazardous Soil - Ton	16.00	Tns
	Contaminate Type: Not Applicable		
	Treatment Type: Not Applicable		
	Fac Waste Code: Not Applicable		
Westchester	Transportation In - Unit	0.00	Unts
	Contaminate Type: Not Applicable		
	Treatment Type: Not Applicable		
	Fac Waste Code: Not Applicable		

Sample ID: 148079
Comment:

Clean Earth of North Jersey

Profile Report

Transactions from 01/01/2009 through 01/21/2009
Inbound Tickets Only
Third Party and Intercompany Customers
Recycle and Disposal Material
Full Details

Ticket	Date	Truck	In / Out	Bill. Units	Cubic Yards	Tons	Estimated Tons	Tax	Disposal Amount	Amount
093080083 - AAA AUTOMONILE CLUB OF NEW YOR										
308000011107	01/14/09	ETGI-152	I	16.00 Tn	0.00	16.00	0.00	$0.00	$0.00	$0.00
308000011107	01/14/09	ETGI-152	I	0 Unt	0.00	0.00	0.00	$0.00	$0.00	$0.00
308000011108	01/14/09	ETGI-163	I	11.22 Tn	0.00	11.22	0.00	$0.00	$0.00	$0.00
308000011108	01/14/09	ETGI-163	I	0 Unt	0.00	0.00	0.00	$0.00	$0.00	$0.00
093080083 - AAA AUTOMONILE CLUB OF NEW YC					0.00	27.22	0.00	$0.00	$0.00	$0.00
2 tickets and 4 transactions										
Report Grand Totals					0.00	27.22	0.00	$0.00	$0.00	$0.00
2 tickets and 4 transactions										

APPENDIX C

ECOTEST LABORATORIES INC.

Sheffield Ave.North Babylon, NY 11703
tel. 631-422-5777, fax 631-422-5770, Email ECOTESTLAB@aol.com

DATA USABILITY SUMMARY REPORT (DUSR)

CLIENT: GC ENVIRONMENTAL, INC.
PROJECT NAME: 101 Westmoreland Ave, #05-003
LAB ID No(s): 290082.01 - .09
DATE RECEIVED: 01/07/09

Item	DATA VERIFICATION PARAMETERS	YES	NO	NA
1	Was Chain of Custody received & completed correctly?	X		
2	Was Case Narrative in agreement with QC data?	X		
3	Were methods requested used to analyze samples?	X		
4	Was Data package complete as required for NYS DEC Category B deliverables?	X		
5	Were all required holding times met for analysis?	X		
6	Were all samples correctly preserved?	X		
7	Was sample preservation documented?	X		
8	Was % moisture less than 50% for all soil samples?	X		
9	Were initial and continuing calibrations performed at required frequency?	X		
10	Were initial calibrations within acceptance criteria?	X		
11	Were midpoint check standards within acceptance criteria?	X		
12	Were method blanks free of contaminants?	X		
13	Were field blanks free of contaminants?	X		
14	Were system monitoring compounds within acceptance limits?	X		
15	Were MS/MSD analyzed at required frequency?	X		
16	Did MS/MSD meet the % Recovery (%R) and Relative Percent Difference (RPD) acceptance criteria?	X		
17	Was the Matrix Spike Blank (Reference Sample) performed at the required frequency?	X		
18	Did the MSB (Reference Sample) meet the %R criteria	X		
19	Did the result for any field duplicate samples meet expected precision requirements?			X
20	Were dilutions made & analyzed when appropriate?	X		
21	No discrepancies were noted when the review of raw data was performed?	X		
22	Were results reported in correct units and soil samples corrected for % moisture?	X		

If No is answered for any of the above items, details must be given on the following page.

Tp\forms\CatBDUSR

DATA USABILITY SUMMARY REPORT (DUSR) - continued

CLIENT: GC ENVIRONMENTAL, INC.
PROJECT NAME: 101 Westmoreland Ave, #05-003
LAB ID No(s): 290082.01 - .09
DATE RECEIVED: 01/07/09

COMMENTS:
All QC criteria were met for EPA Method 8270. See Conformance/Nonconformance Summary (Case Narrative).

Minor issue is noted in Conformance/Nonconformance Summary (Case Narrative) EPA Method 8260. This issue involved the %Relative Standard Deviation (%RSD) of Response Factors for methylene chloride when performing Initial Instrument Calibration. To remedy this situation, a separate low level curve using a linear regression curve model was used to quantify all blanks, samples and QC samples thereby resulting in all QC results for methylene chloride being within limits. Therefore this matter has no significant impact on the useability of the data.

COMMENTS:
No exceedences of QC criteria were noted on Conformance/Nonconformance Summary (Case Narrative) form for EPA Method 8270. Minor issue with EPA Method 8260 was remedied as discussed above. Therefore there were no significant negative impacts on the useability of the data.

REVIEWER'S SIGNATURE: _____ DATE: 01/22/09
Thomas Powell,
EcoTest Labs, Inc

ECOTEST LABORATORIES INC.
377 Sheffield Ave.
North Babylon, NY 11703
tel. 631-422-5777, fax 631-422-5770, Email ECOTESTLAB@aol.com

TITLE/COVER PAGE

QUALITY CONTROL DELIVERABLES

CLIENT: GC Environmental, Incorporated
410 Saw Mill River Road
Ardsley, NY 10502

CONTACT: Val Gatallin

JOB: 101 Westmoreland Avenue, #05-003

DATE(S) OF SAMPLE COLLECTION: 1/7/09

ECOTEST SAMPLE ID NOS.: 290082.01-.09

REPORT APPROVED BY: _____
THOMAS POWELL

DATE APPROVED: 1/22/09

NJDEP LAB ID NO.: NY356
NYELAP ID NO.: 10320

JA
excel\john\qcpkg09\gce0082

TABLE OF CONTENTS

EcoTest Lab Sample ID# 290082.01-.09

SUMMARY TABLE; CROSS-REFERENCE OF LABORATORY AND FIELD ID NOS. AND ANALYSES PERFORMED

SUMMARY TABLE; CROSS-REFERENCE OF LABORATORY AND FIELD ID NOS. AND ANALYSES PERFORMED

EcoTest ID#	Field ID#	Matrix	Date Col'd	Date Rec'd	ANALYSIS
290082.01	S-1	Soil	1/7/09	1/8/09	SVOCs by EPA 8270, VOCs by EPA 8260
290082.02	S-2	Soil	1/7/09	1/8/09	SVOCs by EPA 8270, VOCs by EPA 8260
290082.03	S-3	Soil	1/7/09	1/8/09	SVOCs by EPA 8270, VOCs by EPA 8260
290082.04	S-4	Soil	1/7/09	1/8/09	SVOCs by EPA 8270, VOCs by EPA 8260
290082.05	S-5	Soil	1/7/09	1/8/09	SVOCs by EPA 8270, VOCs by EPA 8260
290082.06	S-6	Soil	1/7/09	1/8/09	SVOCs by EPA 8270, VOCs by EPA 8260
290082.07	S-7	Soil	1/7/09	1/8/09	SVOCs by EPA 8270, VOCs by EPA 8260
290082.08	S-8	Soil	1/7/09	1/8/09	SVOCs by EPA 8270, VOCs by EPA 8260
290082.09	S-9	Soil	1/7/09	1/8/09	SVOCs by EPA 8270, VOCs by EPA 8260

CHAIN OF CUSTODY FORMS

ECO TEST LABORATORIES, INC. • ENVIRONMENTAL TESTING
377 Sheffield Avenue, North Babylon, New York 11703
(631) 422-5777 • FAX (631) 422-5770 • Email: ecotestlab@aol.com

CHAIN OF CUSTODY RECORD

290082

Client: GCE Environmental
Address: 410 Jaw Mill River Rd
Yorkley, NY 10502
Phone: (914) 674 4346 FAX: 914-674-4348
Person receiving report: Val Gatellis
Sampled by: V. G.
Source: 101 Westmoreland Ave
Job No.: 05-003

Normal TAT

Po 8381

MATRIX (Soil, Water, etc.)	COLLECTED DATE	COLLECTED TIME	SAMPLE IDENTIFICATION	TOTAL NUMBER OF CONTAINERS	VOC (8260)	B/N (8270)	QC Pkg Type (If Required)	Accelerated Turnaround Date Required	REMARKS-TESTS REQUIRED
Soil	1/7/09	10:00	S-1	2	+	+			
Soil	1/7/09	10:00	S-2	2	+	+			
Soil	1/7	10:00	S-3	2	+	+			Please send results to Val Gatellis at: VG@gceenvironmental.com
Soil	1/7	10:00	S-4	2	+	+			
Soil	1/7	10:00	S-5	2	+	+			
Soil	1/7	10:00	S-6	2	+	+			
Soil	1/7	10:00	S-7	2	+	+			
Soil	1/7	10:00	S-8	2	+	+			
Soil	1/7	10:00	S-9	2	+	+			Please be advise that analyses should be done in accordance with NJSP Category B deliverables with DUSR report. Thx
									Temp=5.3°C

Relinquished by: (Signature)	DATE/TIME	SEAL INTACT?	Received by: (Signature)	Relinquished by: (Signature)	DATE/TIME	SEAL INTACT?	Received by: (Signature)
Representing: GCE	1/7/09 700	YES NO NA	Representing:	Representing:		YES NO NA	Representing:
Relinquished by: (Signature)	DATE/TIME	SEAL INTACT?	Received by: (Signature)	Relinquished by: (Signature)	DATE/TIME	SEAL INTACT?	Received by: (Signature)
Representing:		YES NO NA	Representing:	Representing:		YES NO NA	Representing:

DATA REPORTS

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.290082.01 01/19/09

GC Environmental, Incorporated
410 Saw Mill River Road
Ardsley, NY 10502
ATTN: Val Gatallin PO#:8381

SOURCE OF SAMPLE: 101 Westmoreland Avenue, #05-003
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/07/09 RECEIVED:01/08/09
TIME COL'D:1000

MATRIX:Soil SAMPLE: S-1

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlordifluoromethane	ug/Kg	< 5.2		011209	5.208	EPA8260
Chloromethane	ug/Kg	< 5.2		011209	5.208	EPA8260
Vinyl Chloride	ug/Kg	< 5.2		011209	5.208	EPA8260
Bromomethane	ug/Kg	< 5.2		011209	5.208	EPA8260
Chloroethane	ug/Kg	< 5.2		011209	5.208	EPA8260
Trichlorofluoromethane	ug/Kg	< 5.2		011209	5.208	EPA8260
1,1 Dichloroethene	ug/Kg	< 5.2		011209	5.208	EPA8260
Methylene Chloride	ug/Kg	< 5.2		011209	5.208	EPA8260
t-1,2-Dichloroethene	ug/Kg	< 5.2		011209	5.208	EPA8260
1,1 Dichloroethane	ug/Kg	< 5.2		011209	5.208	EPA8260
2,2-Dichloropropane	ug/Kg	< 5.2		011209	5.208	EPA8260
c-1,2-Dichloroethene	ug/Kg	< 5.2		011209	5.208	EPA8260
Bromochloromethane	ug/Kg	< 5.2		011209	5.208	EPA8260
Chloroform	ug/Kg	< 5.2		011209	5.208	EPA8260
111 Trichloroethane	ug/Kg	< 5.2		011209	5.208	EPA8260
Carbon Tetrachloride	ug/Kg	< 5.2		011209	5.208	EPA8260
1,1-Dichloropropene	ug/Kg	< 5.2		011209	5.208	EPA8260
Benzene	ug/Kg	< 5.2		011209	5.208	EPA8260
1,2 Dichloroethane	ug/Kg	< 5.2		011209	5.208	EPA8260
Trichloroethene	ug/Kg	< 5.2		011209	5.208	EPA8260
1,2 Dichloropropane	ug/Kg	< 5.2		011209	5.208	EPA8260
Dibromomethane	ug/Kg	< 5.2		011209	5.208	EPA8260
Bromodichloromethane	ug/Kg	< 5.2		011209	5.208	EPA8260
c-1,3Dichloropropene	ug/Kg	< 5.2		011209	5.208	EPA8260
Toluene	ug/Kg	< 5.2		011209	5.208	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 383 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.290082.01 01/19/09

GC Environmental, Incorporated
410 Saw Mill River Road
Ardsley, NY 10502
ATTN: Val Gatallin PO#:8381

SOURCE OF SAMPLE: 101 Westmoreland Avenue, #05-003
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/07/09 RECEIVED:01/08/09
TIME COL'D:1000

MATRIX:Soil SAMPLE: S-1

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	TIME LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/Kg	< 5.2		011209	5.208	EPA8260
112 Trichloroethane	ug/Kg	< 5.2		011209	5.208	EPA8260
Tetrachloroethene	ug/Kg	9.4		011209	5.208	EPA8260
1,3-Dichloropropane	ug/Kg	< 5.2		011209	5.208	EPA8260
Chlorodibromomethane	ug/Kg	< 5.2		011209	5.208	EPA8260
1,2 Dibromoethane	ug/Kg	< 5.2		011209	5.208	EPA8260
Chlorobenzene	ug/Kg	< 5.2		011209	5.208	EPA8260
Ethyl Benzene	ug/Kg	< 5.2		011209	5.208	EPA8260
1112Tetrachloroethane	ug/Kg	< 5.2		011209	5.208	EPA8260
m + p Xylene	ug/Kg	< 10		011209	10.41	EPA8260
o Xylene	ug/Kg	< 5.2		011209	5.208	EPA8260
Styrene	ug/Kg	< 5.2		011209	5.208	EPA8260
Bromoform	ug/Kg	< 5.2		011209	5.208	EPA8260
Isopropylbenzene	ug/Kg	< 5.2		011209	5.208	EPA8260
Bromobenzene	ug/Kg	< 5.2		011209	5.208	EPA8260
1122Tetrachloroethane	ug/Kg	< 5.2		011209	5.208	EPA8260
123-Trichloropropane	ug/Kg	< 5.2		011209	5.208	EPA8260
n-Propylbenzene	ug/Kg	< 5.2		011209	5.208	EPA8260
2-Chlorotoluene	ug/Kg	< 5.2		011209	5.208	EPA8260
135-Trimethylbenzene	ug/Kg	< 5.2		011209	5.208	EPA8260
4-Chlorotoluene	ug/Kg	< 5.2		011209	5.208	EPA8260
tert-Butylbenzene	ug/Kg	< 5.2		011209	5.208	EPA8260
124-Trimethylbenzene	ug/Kg	< 5.2		011209	5.208	EPA8260
sec-Butylbenzene	ug/Kg	< 5.2		011209	5.208	EPA8260
p-Isopropyltoluene	ug/Kg	< 5.2		011209	5.208	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 384 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.290082.01 01/19/09

GC Environmental, Incorporated
410 Saw Mill River Road
Ardsley, NY 10502
ATTN: Val Gatallin PO#:8381

SOURCE OF SAMPLE: 101 Westmoreland Avenue, #05-003
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/07/09 RECEIVED:01/08/09
TIME COL'D:1000

MATRIX:Soil SAMPLE: S-1

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	TIME	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/Kg	< 5.2		011209		5.208	EPA8260
1,4 Dichlorobenzene (v)	ug/Kg	< 5.2		011209		5.208	EPA8260
n-Butylbenzene	ug/Kg	< 5.2		011209		5.208	EPA8260
1,2 Dichlorobenzene (v)	ug/Kg	< 5.2		011209		5.208	EPA8260
Dibromochloropropane	ug/Kg	< 5.2		011209		5.208	EPA8260
124-Trichlorobenzene (v)	ug/Kg	< 5.2		011209		5.208	EPA8260
Hexachlorobutadiene	ug/Kg	< 5.2		011209		5.208	EPA8260
Naphthalene(v)	ug/Kg	< 5.2		011209		5.208	EPA8260
123-Trichlorobenzene	ug/Kg	< 5.2		011209		5.208	EPA8260
ter.ButylMethylEther	ug/Kg	< 5.2		011209		5.208	EPA8260
p-Ethyltoluene	ug/Kg	< 5.2		011209		5.208	EPA8260
Freon 113	ug/Kg	< 5.2		011209		5.208	EPA8260
1245 Tetramethylbenz	ug/Kg	< 5.2		011209		5.208	EPA8260
Acetone	ug/Kg	< 52		011209		52.08	EPA8260
Methyl Ethyl Ketone	ug/Kg	< 52		011209		52.08	EPA8260
Methylisobutylketone	ug/Kg	< 52		011209		52.08	EPA8260
Chlorodifluoromethane	ug/Kg	< 5.2		011209		5.208	EPA8260
p Diethylbenzene	ug/Kg	< 5.2		011209		5.208	EPA8260
% Solids		96		010909		0.1	182540G

cc:

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REMARKS:

DIRECTOR

rn = 385 NYSDOH ID # 10320

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GC Environmental, Incorporated
410 Saw Mill River Road
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SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/07/09 RECEIVED:01/08/09
TIME COL'D:1000

MATRIX:Soil SAMPLE: S-1

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 31		011209	31.25	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 31		011209	31.25	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 31		011209	31.25	EPA8270
Carbazole	ug/Kg	< 31		011209	31.25	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 31		011209	31.25	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 31		011209	31.25	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 31		011209	31.25	EPA8270
Hexachloroethane	ug/Kg	< 31		011209	31.25	EPA8270
Nitrobenzene	ug/Kg	< 31		011209	31.25	EPA8270
Isophorone	ug/Kg	< 31		011209	31.25	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 31		011209	31.25	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 31		011209	31.25	EPA8270
Naphthalene(sv)	ug/Kg	< 31		011209	31.25	EPA8270
4-Chloroaniline	ug/Kg	< 31		011209	31.25	EPA8270
Hexachlorobutadiene	ug/Kg	< 31		011209	31.25	EPA8270
2-Methylnaphthalene	ug/Kg	< 31		011209	31.25	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 310		011209	312.5	EPA8270
2-Chloronaphthalene	ug/Kg	< 31		011209	31.25	EPA8270
2-Nitroaniline	ug/Kg	< 31		011209	31.25	EPA8270
Dimethyl Phthalate	ug/Kg	< 31		011209	31.25	EPA8270
Acenaphthylene	ug/Kg	< 31		011209	31.25	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 31		011209	31.25	EPA8270
3-Nitroaniline	ug/Kg	< 31		011209	31.25	EPA8270
Acenaphthene	ug/Kg	< 31		011209	31.25	EPA8270
Dibenzofuran	ug/Kg	< 31		011209	31.25	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.290082.01 01/19/09

GC Environmental, Incorporated
410 Saw Mill River Road
Ardsley, NY 10502
ATTN: Val Gatallin PO#:8381

SOURCE OF SAMPLE: 101 Westmoreland Avenue, #05-003
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/07/09 RECEIVED:01/08/09
TIME COL'D:1000

MATRIX:Soil SAMPLE: S-1

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	TIME LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 31		011209	31.25	EPA8270
Diethyl Phthalate	ug/Kg	< 31		011209	31.25	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 31		011209	31.25	EPA8270
Fluorene	ug/Kg	< 31		011209	31.25	EPA8270
4-Nitroaniline	ug/Kg	< 31		011209	31.25	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 31		011209	31.25	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 31		011209	31.25	EPA8270
Hexachlorobenzene	ug/Kg	< 31		011209	31.25	EPA8270
Phenanthrene	ug/Kg	< 31		011209	31.25	EPA8270
Anthracene	ug/Kg	< 31		011209	31.25	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 31		011209	31.25	EPA8270
Fluoranthene	ug/Kg	< 31		011209	31.25	EPA8270
Pyrene	ug/Kg	< 31		011209	31.25	EPA8270
BenzylButylPhthalate	ug/Kg	< 31		011209	31.25	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 310		011209	312.5	EPA8270
Benzo(a)anthracene	ug/Kg	< 31		011209	31.25	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 387 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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LAB NO.290082.01 01/19/09

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SOURCE OF SAMPLE: 101 Westmoreland Avenue, #05-003
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/07/09 RECEIVED:01/08/09
TIME COL'D:1000

MATRIX:Soil SAMPLE: S-1

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	< 31		011209	31.25	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	< 31		011209	31.25	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 31		011209	31.25	EPA8270
Benzo(b)fluoranthene	ug/Kg	< 31		011209	31.25	EPA8270
Benzo(k)fluoranthene	ug/Kg	< 31		011209	31.25	EPA8270
Benzo(a)pyrene	ug/Kg	< 31		011209	31.25	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	< 31		011209	31.25	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	< 31		011209	31.25	EPA8270
Benzo(ghi)perylene	ug/Kg	< 31		011209	31.25	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 388 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.290082.02 01/19/09

GC Environmental, Incorporated
410 Saw Mill River Road
Ardsley, NY 10502
ATTN: Val Gatallin PO#:8381

SOURCE OF SAMPLE: 101 Westmoreland Avenue, #05-003
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/07/09 RECEIVED:01/08/09
TIME COL'D:1000

MATRIX:Soil SAMPLE: S-2

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	TIME LRL	ANALYTICAL METHOD
Dichlordifluoromethane	ug/Kg	< 5.2		011209	5.208	EPA8260
Chloromethane	ug/Kg	< 5.2		011209	5.208	EPA8260
Vinyl Chloride	ug/Kg	< 5.2		011209	5.208	EPA8260
Bromomethane	ug/Kg	< 5.2		011209	5.208	EPA8260
Chloroethane	ug/Kg	< 5.2		011209	5.208	EPA8260
Trichlorofluoromethane	ug/Kg	< 5.2		011209	5.208	EPA8260
1,1 Dichloroethene	ug/Kg	< 5.2		011209	5.208	EPA8260
Methylene Chloride	ug/Kg	< 5.2		011209	5.208	EPA8260
t-1,2-Dichloroethene	ug/Kg	< 5.2		011209	5.208	EPA8260
1,1 Dichloroethane	ug/Kg	< 5.2		011209	5.208	EPA8260
2,2-Dichloropropane	ug/Kg	< 5.2		011209	5.208	EPA8260
c-1,2-Dichloroethene	ug/Kg	< 5.2		011209	5.208	EPA8260
Bromochloromethane	ug/Kg	< 5.2		011209	5.208	EPA8260
Chloroform	ug/Kg	< 5.2		011209	5.208	EPA8260
111 Trichloroethane	ug/Kg	< 5.2		011209	5.208	EPA8260
Carbon Tetrachloride	ug/Kg	< 5.2		011209	5.208	EPA8260
1,1-Dichloropropene	ug/Kg	< 5.2		011209	5.208	EPA8260
Benzene	ug/Kg	< 5.2		011209	5.208	EPA8260
1,2 Dichloroethane	ug/Kg	< 5.2		011209	5.208	EPA8260
Trichloroethene	ug/Kg	< 5.2		011209	5.208	EPA8260
1,2 Dichloropropane	ug/Kg	< 5.2		011209	5.208	EPA8260
Dibromomethane	ug/Kg	< 5.2		011209	5.208	EPA8260
Bromodichloromethane	ug/Kg	< 5.2		011209	5.208	EPA8260
c-1,3Dichloropropene	ug/Kg	< 5.2		011209	5.208	EPA8260
Toluene	ug/Kg	< 5.2		011209	5.208	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 389 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.290082.02 01/19/09

GC Environmental, Incorporated
410 Saw Mill River Road
Ardsley, NY 10502
ATTN: Val Gatallin PO#:8381

SOURCE OF SAMPLE: 101 Westmoreland Avenue, #05-003
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/07/09 RECEIVED:01/08/09
TIME COL'D:1000

MATRIX:Soil SAMPLE: S-2

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/Kg	< 5.2		011209	5.208	EPA8260
112 Trichloroethane	ug/Kg	< 5.2		011209	5.208	EPA8260
Tetrachloroethene	ug/Kg	9.4		011209	5.208	EPA8260
1,3-Dichloropropane	ug/Kg	< 5.2		011209	5.208	EPA8260
Chlorodibromomethane	ug/Kg	< 5.2		011209	5.208	EPA8260
1,2 Dibromoethane	ug/Kg	< 5.2		011209	5.208	EPA8260
Chlorobenzene	ug/Kg	< 5.2		011209	5.208	EPA8260
Ethyl Benzene	ug/Kg	< 5.2		011209	5.208	EPA8260
1112Tetrachloroethane	ug/Kg	< 5.2		011209	5.208	EPA8260
m + p Xylene	ug/Kg	< 10		011209	10.41	EPA8260
o Xylene	ug/Kg	< 5.2		011209	5.208	EPA8260
Styrene	ug/Kg	< 5.2		011209	5.208	EPA8260
Bromoform	ug/Kg	< 5.2		011209	5.208	EPA8260
Isopropylbenzene	ug/Kg	< 5.2		011209	5.208	EPA8260
Bromobenzene	ug/Kg	< 5.2		011209	5.208	EPA8260
1122Tetrachloroethane	ug/Kg	< 5.2		011209	5.208	EPA8260
123-Trichloropropane	ug/Kg	< 5.2		011209	5.208	EPA8260
n-Propylbenzene	ug/Kg	< 5.2		011209	5.208	EPA8260
2-Chlorotoluene	ug/Kg	< 5.2		011209	5.208	EPA8260
135-Trimethylbenzene	ug/Kg	< 5.2		011209	5.208	EPA8260
4-Chlorotoluene	ug/Kg	< 5.2		011209	5.208	EPA8260
tert-Butylbenzene	ug/Kg	< 5.2		011209	5.208	EPA8260
124-Trimethylbenzene	ug/Kg	< 5.2		011209	5.208	EPA8260
sec-Butylbenzene	ug/Kg	< 5.2		011209	5.208	EPA8260
p-Isopropyltoluene	ug/Kg	< 5.2		011209	5.208	EPA8260

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SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/07/09 RECEIVED:01/08/09
TIME COL'D:1000

MATRIX:Soil SAMPLE: S-2

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	TIME LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/Kg	< 5.2		011209	5.208	EPA8260
1,4 Dichlorobenzene (v)	ug/Kg	< 5.2		011209	5.208	EPA8260
n-Butylbenzene	ug/Kg	< 5.2		011209	5.208	EPA8260
1,2 Dichlorobenzene (v)	ug/Kg	< 5.2		011209	5.208	EPA8260
Dibromochloropropane	ug/Kg	< 5.2		011209	5.208	EPA8260
124-Trichlorobenzene (v)	ug/Kg	< 5.2		011209	5.208	EPA8260
Hexachlorobutadiene	ug/Kg	< 5.2		011209	5.208	EPA8260
Naphthalene(v)	ug/Kg	< 5.2		011209	5.208	EPA8260
123-Trichlorobenzene	ug/Kg	< 5.2		011209	5.208	EPA8260
ter.ButylMethylEther	ug/Kg	< 5.2		011209	5.208	EPA8260
p-Ethyltoluene	ug/Kg	< 5.2		011209	5.208	EPA8260
Freon 113	ug/Kg	< 5.2		011209	5.208	EPA8260
1245 Tetramethylbenz	ug/Kg	< 5.2		011209	5.208	EPA8260
Acetone	ug/Kg	< 52		011209	52.08	EPA8260
Methyl Ethyl Ketone	ug/Kg	< 52		011209	52.08	EPA8260
Methylisobutylketone	ug/Kg	< 52		011209	52.08	EPA8260
Chlorodifluoromethane	ug/Kg	< 5.2		011209	5.208	EPA8260
p Diethylbenzene	ug/Kg	< 5.2		011209	5.208	EPA8260
% Solids		96		010909	0.1	182540G

cc:

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REMARKS:

DIRECTOR

rm = 391 NYSDOH ID # 10320 Page 3 of 6

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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TIME COL'D:1000

MATRIX:Soil SAMPLE: S-2

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 31		011209	31.25	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 31		011209	31.25	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 31		011209	31.25	EPA8270
Carbazole	ug/Kg	< 31		011209	31.25	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 31		011209	31.25	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 31		011209	31.25	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 31		011209	31.25	EPA8270
Hexachloroethane	ug/Kg	< 31		011209	31.25	EPA8270
Nitrobenzene	ug/Kg	< 31		011209	31.25	EPA8270
Isophorone	ug/Kg	< 31		011209	31.25	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 31		011209	31.25	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 31		011209	31.25	EPA8270
Naphthalene(sv)	ug/Kg	< 31		011209	31.25	EPA8270
4-Chloroaniline	ug/Kg	< 31		011209	31.25	EPA8270
Hexachlorobutadiene	ug/Kg	< 31		011209	31.25	EPA8270
2-Methylnaphthalene	ug/Kg	< 31		011209	31.25	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 310		011209	312.5	EPA8270
2-Chloronaphthalene	ug/Kg	< 31		011209	31.25	EPA8270
2-Nitroaniline	ug/Kg	< 31		011209	31.25	EPA8270
Dimethyl Phthalate	ug/Kg	< 31		011209	31.25	EPA8270
Acenaphthylene	ug/Kg	< 31		011209	31.25	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 31		011209	31.25	EPA8270
3-Nitroaniline	ug/Kg	< 31		011209	31.25	EPA8270
Acenaphthene	ug/Kg	< 31		011209	31.25	EPA8270
Dibenzofuran	ug/Kg	< 31		011209	31.25	EPA8270

cc:

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REMARKS:

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LAB NO.290082.02 01/19/09

GC Environmental, Incorporated
410 Saw Mill River Road
Ardsley, NY 10502
ATTN: Val Gatallin P0#:8381

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SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/07/09 RECEIVED:01/08/09
TIME COL'D:1000

MATRIX:Soil SAMPLE: S-2

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	TIME	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 31		011209		31.25	EPA8270
Diethyl Phthalate	ug/Kg	< 31		011209		31.25	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 31		011209		31.25	EPA8270
Fluorene	ug/Kg	< 31		011209		31.25	EPA8270
4-Nitroaniline	ug/Kg	< 31		011209		31.25	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 31		011209		31.25	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 31		011209		31.25	EPA8270
Hexachlorobenzene	ug/Kg	< 31		011209		31.25	EPA8270
Phenanthrene	ug/Kg	< 31		011209		31.25	EPA8270
Anthracene	ug/Kg	< 31		011209		31.25	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 31		011209		31.25	EPA8270
Fluoranthene	ug/Kg	< 31		011209		31.25	EPA8270
Pyrene	ug/Kg	< 31		011209		31.25	EPA8270
BenzylButylPhthalate	ug/Kg	< 31		011209		31.25	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 310		011209		312.5	EPA8270
Benzo(a)anthracene	ug/Kg	< 31		011209		31.25	EPA8270

cc:

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REMARKS:

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SOURCE OF SAMPLE:
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TIME COL'D:1000

MATRIX:Soil SAMPLE: S-2

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	< 31		011209	31.25	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	< 31		011209	31.25	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 31		011209	31.25	EPA8270
Benzo(b)fluoranthene	ug/Kg	< 31		011209	31.25	EPA8270
Benzo(k)fluoranthene	ug/Kg	< 31		011209	31.25	EPA8270
Benzo(a)pyrene	ug/Kg	< 31		011209	31.25	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	< 31		011209	31.25	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	< 31		011209	31.25	EPA8270
Benzo(ghi)perylene	ug/Kg	< 31		011209	31.25	EPA8270

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REMARKS:

DIRECTOR

rn = 394 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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LAB NO.290082.03 01/19/09

GC Environmental, Incorporated
410 Saw Mill River Road
Ardsley, NY 10502
ATTN: Val Gatallin PO#:8381

SOURCE OF SAMPLE: 101 Westmoreland Avenue, #05-003
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/07/09 RECEIVED:01/08/09
TIME COL'D:1000

MATRIX:Soil SAMPLE: S-3

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	TIME	LRL	ANALYTICAL METHOD
Dichlordifluoromethane	ug/Kg	< 5.2		011209		5.154	EPA8260
Chloromethane	ug/Kg	< 5.2		011209		5.154	EPA8260
Vinyl Chloride	ug/Kg	< 5.2		011209		5.154	EPA8260
Bromomethane	ug/Kg	< 5.2		011209		5.154	EPA8260
Chloroethane	ug/Kg	< 5.2		011209		5.154	EPA8260
Trichlorofluoromethane	ug/Kg	< 5.2		011209		5.154	EPA8260
1,1 Dichloroethene	ug/Kg	< 5.2		011209		5.154	EPA8260
Methylene Chloride	ug/Kg	< 5.2		011209		5.154	EPA8260
t-1,2-Dichloroethene	ug/Kg	< 5.2		011209		5.154	EPA8260
1,1 Dichloroethane	ug/Kg	< 5.2		011209		5.154	EPA8260
2,2-Dichloropropane	ug/Kg	< 5.2		011209		5.154	EPA8260
c-1,2-Dichloroethene	ug/Kg	< 5.2		011209		5.154	EPA8260
Bromochloromethane	ug/Kg	< 5.2		011209		5.154	EPA8260
Chloroform	ug/Kg	< 5.2		011209		5.154	EPA8260
111 Trichloroethane	ug/Kg	< 5.2		011209		5.154	EPA8260
Carbon Tetrachloride	ug/Kg	< 5.2		011209		5.154	EPA8260
1,1-Dichloropropene	ug/Kg	< 5.2		011209		5.154	EPA8260
Benzene	ug/Kg	< 5.2		011209		5.154	EPA8260
1,2 Dichloroethane	ug/Kg	< 5.2		011209		5.154	EPA8260
Trichloroethene	ug/Kg	< 5.2		011209		5.154	EPA8260
1,2 Dichloropropane	ug/Kg	< 5.2		011209		5.154	EPA8260
Dibromomethane	ug/Kg	< 5.2		011209		5.154	EPA8260
Bromodichloromethane	ug/Kg	< 5.2		011209		5.154	EPA8260
c-1,3Dichloropropene	ug/Kg	< 5.2		011209		5.154	EPA8260
Toluene	ug/Kg	< 5.2		011209		5.154	EPA8260

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MATRIX:Soil SAMPLE: S-3

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/Kg	< 5.2		011209	5.154	EPA8260
112 Trichloroethane	ug/Kg	< 5.2		011209	5.154	EPA8260
Tetrachloroethene	ug/Kg	< 5.2		011209	5.154	EPA8260
1,3-Dichloropropane	ug/Kg	< 5.2		011209	5.154	EPA8260
Chlorodibromomethane	ug/Kg	< 5.2		011209	5.154	EPA8260
1,2 Dibromoethane	ug/Kg	< 5.2		011209	5.154	EPA8260
Chlorobenzene	ug/Kg	< 5.2		011209	5.154	EPA8260
Ethyl Benzene	ug/Kg	< 5.2		011209	5.154	EPA8260
1112Tetrachloroethane	ug/Kg	< 5.2		011209	5.154	EPA8260
m + p Xylene	ug/Kg	< 10		011209	10.30	EPA8260
o Xylene	ug/Kg	< 5.2		011209	5.154	EPA8260
Styrene	ug/Kg	< 5.2		011209	5.154	EPA8260
Bromoform	ug/Kg	< 5.2		011209	5.154	EPA8260
Isopropylbenzene	ug/Kg	< 5.2		011209	5.154	EPA8260
Bromobenzene	ug/Kg	< 5.2		011209	5.154	EPA8260
1122Tetrachloroethane	ug/Kg	< 5.2		011209	5.154	EPA8260
123-Trichloropropane	ug/Kg	< 5.2		011209	5.154	EPA8260
n-Propylbenzene	ug/Kg	< 5.2		011209	5.154	EPA8260
2-Chlorotoluene	ug/Kg	< 5.2		011209	5.154	EPA8260
135-Trimethylbenzene	ug/Kg	< 5.2		011209	5.154	EPA8260
4-Chlorotoluene	ug/Kg	< 5.2		011209	5.154	EPA8260
tert-Butylbenzene	ug/Kg	< 5.2		011209	5.154	EPA8260
124-Trimethylbenzene	ug/Kg	< 5.2		011209	5.154	EPA8260
sec-Butylbenzene	ug/Kg	< 5.2		011209	5.154	EPA8260
p-Isopropyltoluene	ug/Kg	< 5.2		011209	5.154	EPA8260

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MATRIX:Soil SAMPLE: S-3

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	TIME LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/Kg	< 5.2		011209	5.154	EPA8260
1,4 Dichlorobenzene (v)	ug/Kg	< 5.2		011209	5.154	EPA8260
n-Butylbenzene	ug/Kg	< 5.2		011209	5.154	EPA8260
1,2 Dichlorobenzene (v)	ug/Kg	< 5.2		011209	5.154	EPA8260
Dibromochloropropane	ug/Kg	< 5.2		011209	5.154	EPA8260
124-Trichlorobenzene (v)	ug/Kg	< 5.2		011209	5.154	EPA8260
Hexachlorobutadiene	ug/Kg	< 5.2		011209	5.154	EPA8260
Naphthalene(v)	ug/Kg	< 5.2		011209	5.154	EPA8260
123-Trichlorobenzene	ug/Kg	< 5.2		011209	5.154	EPA8260
ter.ButylMethylEther	ug/Kg	< 5.2		011209	5.154	EPA8260
p-Ethyltoluene	ug/Kg	< 5.2		011209	5.154	EPA8260
Freon 113	ug/Kg	< 5.2		011209	5.154	EPA8260
1245 Tetramethylbenz	ug/Kg	< 5.2		011209	5.154	EPA8260
Acetone	ug/Kg	< 52		011209	51.54	EPA8260
Methyl Ethyl Ketone	ug/Kg	< 52		011209	51.54	EPA8260
Methylisobutylketone	ug/Kg	< 52		011209	51.54	EPA8260
Chlorodifluoromethane	ug/Kg	< 5.2		011209	5.154	EPA8260
p Diethylbenzene	ug/Kg	< 5.2		011209	5.154	EPA8260
% Solids		97		010909	0.1	182540G

cc:

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TIME COL'D:1000

MATRIX:Soil SAMPLE: S-3

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	TIME LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 31		011209	30.92	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 31		011209	30.92	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 31		011209	30.92	EPA8270
Carbazole	ug/Kg	< 31		011209	30.92	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 31		011209	30.92	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 31		011209	30.92	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 31		011209	30.92	EPA8270
Hexachloroethane	ug/Kg	< 31		011209	30.92	EPA8270
Nitrobenzene	ug/Kg	< 31		011209	30.92	EPA8270
Isophorone	ug/Kg	< 31		011209	30.92	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 31		011209	30.92	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 31		011209	30.92	EPA8270
Naphthalene(sv)	ug/Kg	< 31		011209	30.92	EPA8270
4-Chloroaniline	ug/Kg	< 31		011209	30.92	EPA8270
Hexachlorobutadiene	ug/Kg	< 31		011209	30.92	EPA8270
2-Methylnaphthalene	ug/Kg	< 31		011209	30.92	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 310		011209	309.2	EPA8270
2-Chloronaphthalene	ug/Kg	< 31		011209	30.92	EPA8270
2-Nitroaniline	ug/Kg	< 31		011209	30.92	EPA8270
Dimethyl Phthalate	ug/Kg	< 31		011209	30.92	EPA8270
Acenaphthylene	ug/Kg	< 31		011209	30.92	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 31		011209	30.92	EPA8270
3-Nitroaniline	ug/Kg	< 31		011209	30.92	EPA8270
Acenaphthene	ug/Kg	< 31		011209	30.92	EPA8270
Dibenzofuran	ug/Kg	< 31		011209	30.92	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.290082.03 01/19/09

GC Environmental, Incorporated
410 Saw Mill River Road
Ardsley, NY 10502
ATTN: Val Gatallin P0#:8381

SOURCE OF SAMPLE: 101 Westmoreland Avenue, #05-003
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/07/09 RECEIVED:01/08/09
TIME COL'D:1000

MATRIX:Soil SAMPLE: S-3

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 31		011209	30.92	EPA8270
Diethyl Phthalate	ug/Kg	< 31		011209	30.92	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 31		011209	30.92	EPA8270
Fluorene	ug/Kg	< 31		011209	30.92	EPA8270
4-Nitroaniline	ug/Kg	< 31		011209	30.92	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 31		011209	30.92	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 31		011209	30.92	EPA8270
Hexachlorobenzene	ug/Kg	< 31		011209	30.92	EPA8270
Phenanthrene	ug/Kg	< 31		011209	30.92	EPA8270
Anthracene	ug/Kg	< 31		011209	30.92	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 31		011209	30.92	EPA8270
Fluoranthene	ug/Kg	< 31		011209	30.92	EPA8270
Pyrene	ug/Kg	< 31		011209	30.92	EPA8270
BenzylButylPhthalate	ug/Kg	< 31		011209	30.92	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 310		011209	309.2	EPA8270
Benzo(a)anthracene	ug/Kg	< 31		011209	30.92	EPA8270

cc:

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REMARKS:

DIRECTOR

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LAB NO.290082.03 01/19/09

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Ardsley, NY 10502
ATTN: Val Gatallin P0#:8381

SOURCE OF SAMPLE: 101 Westmoreland Avenue, #05-003
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/07/09 RECEIVED:01/08/09
TIME COL'D:1000

MATRIX:Soil SAMPLE: S-3

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	< 31		011209	30.92	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	< 31		011209	30.92	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 31		011209	30.92	EPA8270
Benzo(b)fluoranthene	ug/Kg	< 31		011209	30.92	EPA8270
Benzo(k)fluoranthene	ug/Kg	< 31		011209	30.92	EPA8270
Benzo(a)pyrene	ug/Kg	< 31		011209	30.92	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	< 31		011209	30.92	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	< 31		011209	30.92	EPA8270
Benzo(ghi)perylene	ug/Kg	< 31		011209	30.92	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rm = 400 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.290082.04 01/19/09

GC Environmental, Incorporated
410 Saw Mill River Road
Ardsley, NY 10502
ATTN: Val Gatallin PO#:8381

SOURCE OF SAMPLE: 101 Westmoreland Avenue, #05-003
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/07/09 RECEIVED:01/08/09
TIME COL'D:1000

MATRIX:Soil SAMPLE: S-4

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	TIME	LRL	ANALYTICAL METHOD
Dichlordifluoromethane	ug/Kg	< 5.1		011209		5.050	EPA8260
Chloromethane	ug/Kg	< 5.1		011209		5.050	EPA8260
Vinyl Chloride	ug/Kg	< 5.1		011209		5.050	EPA8260
Bromomethane	ug/Kg	< 5.1		011209		5.050	EPA8260
Chloroethane	ug/Kg	< 5.1		011209		5.050	EPA8260
Trichlorofluoromethane	ug/Kg	< 5.1		011209		5.050	EPA8260
1,1 Dichloroethene	ug/Kg	< 5.1		011209		5.050	EPA8260
Methylene Chloride	ug/Kg	< 5.1		011209		5.050	EPA8260
t-1,2-Dichloroethene	ug/Kg	< 5.1		011209		5.050	EPA8260
1,1 Dichloroethane	ug/Kg	< 5.1		011209		5.050	EPA8260
2,2-Dichloropropane	ug/Kg	< 5.1		011209		5.050	EPA8260
c-1,2-Dichloroethene	ug/Kg	< 5.1		011209		5.050	EPA8260
Bromochloromethane	ug/Kg	< 5.1		011209		5.050	EPA8260
Chloroform	ug/Kg	< 5.1		011209		5.050	EPA8260
111 Trichloroethane	ug/Kg	< 5.1		011209		5.050	EPA8260
Carbon Tetrachloride	ug/Kg	< 5.1		011209		5.050	EPA8260
1,1-Dichloropropene	ug/Kg	< 5.1		011209		5.050	EPA8260
Benzene	ug/Kg	< 5.1		011209		5.050	EPA8260
1,2 Dichloroethane	ug/Kg	< 5.1		011209		5.050	EPA8260
Trichloroethene	ug/Kg	< 5.1		011209		5.050	EPA8260
1,2 Dichloropropane	ug/Kg	< 5.1		011209		5.050	EPA8260
Dibromomethane	ug/Kg	< 5.1		011209		5.050	EPA8260
Bromodichloromethane	ug/Kg	< 5.1		011209		5.050	EPA8260
c-1,3Dichloropropene	ug/Kg	< 5.1		011209		5.050	EPA8260
Toluene	ug/Kg	< 5.1		011209		5.050	EPA8260

cc:

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REMARKS:

DIRECTOR

rn = 401 NYSDOH ID # 10320

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LAB NO.290082.04 01/19/09

GC Environmental, Incorporated
410 Saw Mill River Road
Ardsley, NY 10502
ATTN: Val Gatallin P0#:8381

SOURCE OF SAMPLE: 101 Westmoreland Avenue, #05-003
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/07/09 RECEIVED:01/08/09
TIME COL'D:1000

MATRIX:Soil SAMPLE: S-4

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	TIME LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/Kg	< 5.1		011209	5.050	EPA8260
112 Trichloroethane	ug/Kg	< 5.1		011209	5.050	EPA8260
Tetrachloroethene	ug/Kg	< 5.1		011209	5.050	EPA8260
1,3-Dichloropropane	ug/Kg	< 5.1		011209	5.050	EPA8260
Chlorodibromomethane	ug/Kg	< 5.1		011209	5.050	EPA8260
1,2 Dibromoethane	ug/Kg	< 5.1		011209	5.050	EPA8260
Chlorobenzene	ug/Kg	< 5.1		011209	5.050	EPA8260
Ethyl Benzene	ug/Kg	< 5.1		011209	5.050	EPA8260
1112Tetrachloroethane	ug/Kg	< 5.1		011209	5.050	EPA8260
m + p Xylene	ug/Kg	< 10		011209	10.10	EPA8260
o Xylene	ug/Kg	< 5.1		011209	5.050	EPA8260
Styrene	ug/Kg	< 5.1		011209	5.050	EPA8260
Bromoform	ug/Kg	< 5.1		011209	5.050	EPA8260
Isopropylbenzene	ug/Kg	< 5.1		011209	5.050	EPA8260
Bromobenzene	ug/Kg	< 5.1		011209	5.050	EPA8260
1122Tetrachloroethane	ug/Kg	< 5.1		011209	5.050	EPA8260
123-Trichloropropane	ug/Kg	< 5.1		011209	5.050	EPA8260
n-Propylbenzene	ug/Kg	< 5.1		011209	5.050	EPA8260
2-Chlorotoluene	ug/Kg	< 5.1		011209	5.050	EPA8260
135-Trimethylbenzene	ug/Kg	< 5.1		011209	5.050	EPA8260
4-Chlorotoluene	ug/Kg	< 5.1		011209	5.050	EPA8260
tert-Butylbenzene	ug/Kg	< 5.1		011209	5.050	EPA8260
124-Trimethylbenzene	ug/Kg	< 5.1		011209	5.050	EPA8260
sec-Butylbenzene	ug/Kg	< 5.1		011209	5.050	EPA8260
p-Isopropyltoluene	ug/Kg	< 5.1		011209	5.050	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

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LAB NO.290082.04 01/19/09

GC Environmental, Incorporated
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Ardsley, NY 10502
ATTN: Val Gatallin P0#:8381

SOURCE OF SAMPLE: 101 Westmoreland Avenue, #05-003
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/07/09 RECEIVED:01/08/09
TIME COL'D:1000

MATRIX:Soil SAMPLE: S-4

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/Kg	< 5.1		011209	5.050	EPA8260
1,4 Dichlorobenzene (v)	ug/Kg	< 5.1		011209	5.050	EPA8260
n-Butylbenzene	ug/Kg	< 5.1		011209	5.050	EPA8260
1,2 Dichlorobenzene (v)	ug/Kg	< 5.1		011209	5.050	EPA8260
Dibromochloropropane	ug/Kg	< 5.1		011209	5.050	EPA8260
124-Trichlorobenzene (v)	ug/Kg	< 5.1		011209	5.050	EPA8260
Hexachlorobutadiene	ug/Kg	< 5.1		011209	5.050	EPA8260
Naphthalene(v)	ug/Kg	< 5.1		011209	5.050	EPA8260
123-Trichlorobenzene	ug/Kg	< 5.1		011209	5.050	EPA8260
ter.ButylMethylEther	ug/Kg	< 5.1		011209	5.050	EPA8260
p-Ethyltoluene	ug/Kg	< 5.1		011209	5.050	EPA8260
Freon 113	ug/Kg	< 5.1		011209	5.050	EPA8260
1245 Tetramethylbenz	ug/Kg	< 5.1		011209	5.050	EPA8260
Acetone	ug/Kg	< 51		011209	50.50	EPA8260
Methyl Ethyl Ketone	ug/Kg	< 51		011209	50.50	EPA8260
Methylisobutylketone	ug/Kg	< 51		011209	50.50	EPA8260
Chlorodifluoromethane	ug/Kg	< 5.1		011209	5.050	EPA8260
p Diethylbenzene	ug/Kg	< 5.1		011209	5.050	EPA8260
% Solids		99		010909	0.1	182540G

cc:

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REMARKS:

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ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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LAB NO.290082.04 01/19/09

GC Environmental, Incorporated
410 Saw Mill River Road
Ardsley, NY 10502
ATTN: Val Gatallin PO#:8381

SOURCE OF SAMPLE: 101 Westmoreland Avenue, #05-003
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/07/09 RECEIVED:01/08/09
TIME COL'D:1000

MATRIX:Soil SAMPLE: S-4

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	TIME LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 30		011209	30.30	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 30		011209	30.30	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 30		011209	30.30	EPA8270
Carbazole	ug/Kg	< 30		011209	30.30	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 30		011209	30.30	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 30		011209	30.30	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 30		011209	30.30	EPA8270
Hexachloroethane	ug/Kg	< 30		011209	30.30	EPA8270
Nitrobenzene	ug/Kg	< 30		011209	30.30	EPA8270
Isophorone	ug/Kg	< 30		011209	30.30	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 30		011209	30.30	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 30		011209	30.30	EPA8270
Naphthalene(sv)	ug/Kg	< 30		011209	30.30	EPA8270
4-Chloroaniline	ug/Kg	< 30		011209	30.30	EPA8270
Hexachlorobutadiene	ug/Kg	< 30		011209	30.30	EPA8270
2-Methylnaphthalene	ug/Kg	< 30		011209	30.30	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 300		011209	303.0	EPA8270
2-Chloronaphthalene	ug/Kg	< 30		011209	30.30	EPA8270
2-Nitroaniline	ug/Kg	< 30		011209	30.30	EPA8270
Dimethyl Phthalate	ug/Kg	< 30		011209	30.30	EPA8270
Acenaphthylene	ug/Kg	< 30		011209	30.30	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 30		011209	30.30	EPA8270
3-Nitroaniline	ug/Kg	< 30		011209	30.30	EPA8270
Acenaphthene	ug/Kg	< 30		011209	30.30	EPA8270
Dibenzofuran	ug/Kg	< 30		011209	30.30	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 404 NYSDOH ID # 10320 Page 4 of 8

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.290082.04 01/19/09

GC Environmental, Incorporated
410 Saw Mill River Road
Ardsley, NY 10502
ATTN: Val Gatallin P0#:8381

SOURCE OF SAMPLE: 101 Westmoreland Avenue, #05-003
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/07/09 RECEIVED:01/08/09
TIME COL'D:1000

MATRIX:Soil SAMPLE: S-4

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	TIME LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 30		011209	30.30	EPA8270
Diethyl Phthalate	ug/Kg	< 30		011209	30.30	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 30		011209	30.30	EPA8270
Fluorene	ug/Kg	< 30		011209	30.30	EPA8270
4-Nitroaniline	ug/Kg	< 30		011209	30.30	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 30		011209	30.30	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 30		011209	30.30	EPA8270
Hexachlorobenzene	ug/Kg	< 30		011209	30.30	EPA8270
Phenanthrene	ug/Kg	< 30		011209	30.30	EPA8270
Anthracene	ug/Kg	< 30		011209	30.30	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 30		011209	30.30	EPA8270
Fluoranthene	ug/Kg	< 30		011209	30.30	EPA8270
Pyrene	ug/Kg	< 30		011209	30.30	EPA8270
BenzylButylPhthalate	ug/Kg	< 30		011209	30.30	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 300		011209	303.0	EPA8270
Benzo(a)anthracene	ug/Kg	< 30		011209	30.30	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rm = 405 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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LAB NO.290082.04 01/19/09

GC Environmental, Incorporated
410 Saw Mill River Road
Ardsley, NY 10502
ATTN: Val Gatallin PO#:8381

SOURCE OF SAMPLE: 101 Westmoreland Avenue, #05-003
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/07/09 RECEIVED:01/08/09
TIME COL'D:1000
MATRIX:Soil SAMPLE: S-4

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	TIME LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	< 30		011209	30.30	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	< 30		011209	30.30	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 30		011209	30.30	EPA8270
Benzo(b)fluoranthene	ug/Kg	< 30		011209	30.30	EPA8270
Benzo(k)fluoranthene	ug/Kg	< 30		011209	30.30	EPA8270
Benzo(a)pyrene	ug/Kg	< 30		011209	30.30	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	< 30		011209	30.30	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	< 30		011209	30.30	EPA8270
Benzo(ghi)perylene	ug/Kg	< 30		011209	30.30	EPA8270

cc:

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REMARKS:

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LAB NO.290082.05 01/19/09

GC Environmental, Incorporated
410 Saw Mill River Road
Ardsley, NY 10502
ATTN: Val Gatallin PO#:8381

SOURCE OF SAMPLE: 101 Westmoreland Avenue, #05-003
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/07/09 RECEIVED:01/08/09
TIME COL'D:1000

MATRIX:Soil SAMPLE: S-5

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	TIME	LRL	ANALYTICAL METHOD
Dichlordifluoromethane	ug/Kg	< 5.2		011209		5.208	EPA8260
Chloromethane	ug/Kg	< 5.2		011209		5.208	EPA8260
Vinyl Chloride	ug/Kg	< 5.2		011209		5.208	EPA8260
Bromomethane	ug/Kg	< 5.2		011209		5.208	EPA8260
Chloroethane	ug/Kg	< 5.2		011209		5.208	EPA8260
Trichlorofluoromethane	ug/Kg	< 5.2		011209		5.208	EPA8260
1,1 Dichloroethene	ug/Kg	< 5.2		011209		5.208	EPA8260
Methylene Chloride	ug/Kg	< 5.2		011209		5.208	EPA8260
t-1,2-Dichloroethene	ug/Kg	< 5.2		011209		5.208	EPA8260
1,1 Dichloroethane	ug/Kg	< 5.2		011209		5.208	EPA8260
2,2-Dichloropropane	ug/Kg	< 5.2		011209		5.208	EPA8260
c-1,2-Dichloroethene	ug/Kg	< 5.2		011209		5.208	EPA8260
Bromochloromethane	ug/Kg	< 5.2		011209		5.208	EPA8260
Chloroform	ug/Kg	< 5.2		011209		5.208	EPA8260
111 Trichloroethane	ug/Kg	< 5.2		011209		5.208	EPA8260
Carbon Tetrachloride	ug/Kg	< 5.2		011209		5.208	EPA8260
1,1-Dichloropropene	ug/Kg	< 5.2		011209		5.208	EPA8260
Benzene	ug/Kg	< 5.2		011209		5.208	EPA8260
1,2 Dichloroethane	ug/Kg	< 5.2		011209		5.208	EPA8260
Trichloroethene	ug/Kg	< 5.2		011209		5.208	EPA8260
1,2 Dichloropropane	ug/Kg	< 5.2		011209		5.208	EPA8260
Dibromomethane	ug/Kg	< 5.2		011209		5.208	EPA8260
Bromodichloromethane	ug/Kg	< 5.2		011209		5.208	EPA8260
c-1,3Dichloropropene	ug/Kg	< 5.2		011209		5.208	EPA8260
Toluene	ug/Kg	< 5.2		011209		5.208	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rm = 407 NYSDOH ID # 10320 Page 1 of 6

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.290082.05 01/19/09

GC Environmental, Incorporated
410 Saw Mill River Road
Ardsley, NY 10502
ATTN: Val Gatallin P0#:8381

SOURCE OF SAMPLE: 101 Westmoreland Avenue, #05-003
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/07/09 RECEIVED:01/08/09
TIME COL'D:1000
MATRIX:Soil SAMPLE: S-5

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	TIME LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/Kg	< 5.2		011209	5.208	EPA8260
112 Trichloroethane	ug/Kg	< 5.2		011209	5.208	EPA8260
Tetrachloroethene	ug/Kg	< 5.2		011209	5.208	EPA8260
1,3-Dichloropropane	ug/Kg	< 5.2		011209	5.208	EPA8260
Chlorodibromomethane	ug/Kg	< 5.2		011209	5.208	EPA8260
1,2 Dibromoethane	ug/Kg	< 5.2		011209	5.208	EPA8260
Chlorobenzene	ug/Kg	< 5.2		011209	5.208	EPA8260
Ethyl Benzene	ug/Kg	< 5.2		011209	5.208	EPA8260
1112Tetrachloroethane	ug/Kg	< 5.2		011209	5.208	EPA8260
m + p Xylene	ug/Kg	< 10		011209	10.41	EPA8260
o Xylene	ug/Kg	< 5.2		011209	5.208	EPA8260
Styrene	ug/Kg	< 5.2		011209	5.208	EPA8260
Bromoform	ug/Kg	< 5.2		011209	5.208	EPA8260
Isopropylbenzene	ug/Kg	< 5.2		011209	5.208	EPA8260
Bromobenzene	ug/Kg	< 5.2		011209	5.208	EPA8260
1122Tetrachloroethane	ug/Kg	< 5.2		011209	5.208	EPA8260
123-Trichloropropane	ug/Kg	< 5.2		011209	5.208	EPA8260
n-Propylbenzene	ug/Kg	< 5.2		011209	5.208	EPA8260
2-Chlorotoluene	ug/Kg	< 5.2		011209	5.208	EPA8260
135-Trimethylbenzene	ug/Kg	< 5.2		011209	5.208	EPA8260
4-Chlorotoluene	ug/Kg	< 5.2		011209	5.208	EPA8260
tert-Butylbenzene	ug/Kg	< 5.2		011209	5.208	EPA8260
124-Trimethylbenzene	ug/Kg	< 5.2		011209	5.208	EPA8260
sec-Butylbenzene	ug/Kg	< 5.2		011209	5.208	EPA8260
p-Isopropyltoluene	ug/Kg	< 5.2		011209	5.208	EPA8260

cc:

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REMARKS:

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ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/07/09 RECEIVED:01/08/09
TIME COL'D:1000

MATRIX:Soil SAMPLE: S-5

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/Kg	< 5.2		011209	5.208	EPA8260
1,4 Dichlorobenzene (v)	ug/Kg	< 5.2		011209	5.208	EPA8260
n-Butylbenzene	ug/Kg	< 5.2		011209	5.208	EPA8260
1,2 Dichlorobenzene (v)	ug/Kg	< 5.2		011209	5.208	EPA8260
Dibromochloropropane	ug/Kg	< 5.2		011209	5.208	EPA8260
124-Trichlorobenzene (v)	ug/Kg	< 5.2		011209	5.208	EPA8260
Hexachlorobutadiene	ug/Kg	< 5.2		011209	5.208	EPA8260
Naphthalene(v)	ug/Kg	< 5.2		011209	5.208	EPA8260
123-Trichlorobenzene	ug/Kg	< 5.2		011209	5.208	EPA8260
ter.ButylMethylEther	ug/Kg	< 5.2		011209	5.208	EPA8260
p-Ethyltoluene	ug/Kg	< 5.2		011209	5.208	EPA8260
Freon 113	ug/Kg	< 5.2		011209	5.208	EPA8260
1245 Tetramethylbenz	ug/Kg	< 5.2		011209	5.208	EPA8260
Acetone	ug/Kg	< 52		011209	52.08	EPA8260
Methyl Ethyl Ketone	ug/Kg	< 52		011209	52.08	EPA8260
Methylisobutylketone	ug/Kg	< 52		011209	52.08	EPA8260
Chlorodifluoromethane	ug/Kg	< 5.2		011209	5.208	EPA8260
p Diethylbenzene	ug/Kg	< 5.2		011209	5.208	EPA8260
% Solids		96		010909	0.1	182540G

cc:

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REMARKS:

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MATRIX:Soil SAMPLE: S-5

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	TIME	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 31		011209		31.25	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 31		011209		31.25	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 31		011209		31.25	EPA8270
Carbazole	ug/Kg	< 31		011209		31.25	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 31		011209		31.25	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 31		011209		31.25	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 31		011209		31.25	EPA8270
Hexachloroethane	ug/Kg	< 31		011209		31.25	EPA8270
Nitrobenzene	ug/Kg	< 31		011209		31.25	EPA8270
Isophorone	ug/Kg	< 31		011209		31.25	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 31		011209		31.25	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 31		011209		31.25	EPA8270
Naphthalene(sv)	ug/Kg	< 31		011209		31.25	EPA8270
4-Chloroaniline	ug/Kg	< 31		011209		31.25	EPA8270
Hexachlorobutadiene	ug/Kg	< 31		011209		31.25	EPA8270
2-Methylnaphthalene	ug/Kg	< 31		011209		31.25	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 310		011209		312.5	EPA8270
2-Chloronaphthalene	ug/Kg	< 31		011209		31.25	EPA8270
2-Nitroaniline	ug/Kg	< 31		011209		31.25	EPA8270
Dimethyl Phthalate	ug/Kg	< 31		011209		31.25	EPA8270
Acenaphthylene	ug/Kg	< 31		011209		31.25	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 31		011209		31.25	EPA8270
3-Nitroaniline	ug/Kg	< 31		011209		31.25	EPA8270
Acenaphthene	ug/Kg	< 31		011209		31.25	EPA8270
Dibenzofuran	ug/Kg	< 31		011209		31.25	EPA8270

cc:

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REMARKS:

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ATTN: Val Gatallin P0#:8381

SOURCE OF SAMPLE: 101 Westmoreland Avenue, #05-003
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/07/09 RECEIVED:01/08/09
TIME COL'D:1000

MATRIX:Soil SAMPLE: S-5

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	TIME LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 31		011209	31.25	EPA8270
Diethyl Phthalate	ug/Kg	< 31		011209	31.25	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 31		011209	31.25	EPA8270
Fluorene	ug/Kg	< 31		011209	31.25	EPA8270
4-Nitroaniline	ug/Kg	< 31		011209	31.25	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 31		011209	31.25	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 31		011209	31.25	EPA8270
Hexachlorobenzene	ug/Kg	< 31		011209	31.25	EPA8270
Phenanthrene	ug/Kg	< 31		011209	31.25	EPA8270
Anthracene	ug/Kg	< 31		011209	31.25	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 31		011209	31.25	EPA8270
Fluoranthene	ug/Kg	< 31		011209	31.25	EPA8270
Pyrene	ug/Kg	< 31		011209	31.25	EPA8270
BenzylButylPhthalate	ug/Kg	< 31		011209	31.25	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 310		011209	312.5	EPA8270
Benzo(a)anthracene	ug/Kg	< 31		011209	31.25	EPA8270

cc:

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REMARKS:

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Ardsley, NY 10502
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SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/07/09 RECEIVED:01/08/09
TIME COL'D:1000
MATRIX:Soil SAMPLE: S-5

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	TIME LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	< 31		011209	31.25	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	< 31		011209	31.25	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 31		011209	31.25	EPA8270
Benzo(b)fluoranthene	ug/Kg	< 31		011209	31.25	EPA8270
Benzo(k)fluoranthene	ug/Kg	< 31		011209	31.25	EPA8270
Benzo(a)pyrene	ug/Kg	< 31		011209	31.25	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	< 31		011209	31.25	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	< 31		011209	31.25	EPA8270
Benzo(ghi)perylene	ug/Kg	< 31		011209	31.25	EPA8270

cc:

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REMARKS:

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Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.290082.06 01/19/09

GC Environmental, Incorporated
410 Saw Mill River Road
Ardsley, NY 10502
ATTN: Val Gatallin P0#:8381

SOURCE OF SAMPLE: 101 Westmoreland Avenue, #05-003
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/07/09 RECEIVED:01/08/09
TIME COL'D:1000
MATRIX:Soil SAMPLE: S-6

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlordifluoromethane	ug/Kg	< 5.1		011209	5.102	EPA8260
Chloromethane	ug/Kg	< 5.1		011209	5.102	EPA8260
Vinyl Chloride	ug/Kg	< 5.1		011209	5.102	EPA8260
Bromomethane	ug/Kg	< 5.1		011209	5.102	EPA8260
Chloroethane	ug/Kg	< 5.1		011209	5.102	EPA8260
Trichlorofluoromethane	ug/Kg	< 5.1		011209	5.102	EPA8260
1,1 Dichloroethene	ug/Kg	< 5.1		011209	5.102	EPA8260
Methylene Chloride	ug/Kg	< 5.1		011209	5.102	EPA8260
t-1,2-Dichloroethene	ug/Kg	< 5.1		011209	5.102	EPA8260
1,1 Dichloroethane	ug/Kg	< 5.1		011209	5.102	EPA8260
2,2-Dichloropropane	ug/Kg	< 5.1		011209	5.102	EPA8260
c-1,2-Dichloroethene	ug/Kg	< 5.1		011209	5.102	EPA8260
Bromochloromethane	ug/Kg	< 5.1		011209	5.102	EPA8260
Chloroform	ug/Kg	< 5.1		011209	5.102	EPA8260
111 Trichloroethane	ug/Kg	< 5.1		011209	5.102	EPA8260
Carbon Tetrachloride	ug/Kg	< 5.1		011209	5.102	EPA8260
1,1-Dichloropropene	ug/Kg	< 5.1		011209	5.102	EPA8260
Benzene	ug/Kg	< 5.1		011209	5.102	EPA8260
1,2 Dichloroethane	ug/Kg	< 5.1		011209	5.102	EPA8260
Trichloroethene	ug/Kg	< 5.1		011209	5.102	EPA8260
1,2 Dichloropropane	ug/Kg	< 5.1		011209	5.102	EPA8260
Dibromomethane	ug/Kg	< 5.1		011209	5.102	EPA8260
Bromodichloromethane	ug/Kg	< 5.1		011209	5.102	EPA8260
c-1,3Dichloropropene	ug/Kg	< 5.1		011209	5.102	EPA8260
Toluene	ug/Kg	< 5.1		011209	5.102	EPA8260

cc:

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SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/07/09 RECEIVED:01/08/09
TIME COL'D:1000

MATRIX:Soil SAMPLE: S-6

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/Kg	< 5.1	011209	5.102	EPA8260
112 Trichloroethane	ug/Kg	< 5.1	011209	5.102	EPA8260
Tetrachloroethene	ug/Kg	< 5.1	011209	5.102	EPA8260
1,3-Dichloropropane	ug/Kg	< 5.1	011209	5.102	EPA8260
Chlorodibromomethane	ug/Kg	< 5.1	011209	5.102	EPA8260
1,2 Dibromoethane	ug/Kg	< 5.1	011209	5.102	EPA8260
Chlorobenzene	ug/Kg	< 5.1	011209	5.102	EPA8260
Ethyl Benzene	ug/Kg	< 5.1	011209	5.102	EPA8260
1112Tetrachloroethane	ug/Kg	< 5.1	011209	5.102	EPA8260
m + p Xylene	ug/Kg	< 10	011209	10.20	EPA8260
o Xylene	ug/Kg	< 5.1	011209	5.102	EPA8260
Styrene	ug/Kg	< 5.1	011209	5.102	EPA8260
Bromoform	ug/Kg	< 5.1	011209	5.102	EPA8260
Isopropylbenzene	ug/Kg	< 5.1	011209	5.102	EPA8260
Bromobenzene	ug/Kg	< 5.1	011209	5.102	EPA8260
1122Tetrachloroethane	ug/Kg	< 5.1	011209	5.102	EPA8260
123-Trichloropropane	ug/Kg	< 5.1	011209	5.102	EPA8260
n-Propylbenzene	ug/Kg	< 5.1	011209	5.102	EPA8260
2-Chlorotoluene	ug/Kg	< 5.1	011209	5.102	EPA8260
135-Trimethylbenzene	ug/Kg	< 5.1	011209	5.102	EPA8260
4-Chlorotoluene	ug/Kg	< 5.1	011209	5.102	EPA8260
tert-Butylbenzene	ug/Kg	< 5.1	011209	5.102	EPA8260
124-Trimethylbenzene	ug/Kg	< 5.1	011209	5.102	EPA8260
sec-Butylbenzene	ug/Kg	< 5.1	011209	5.102	EPA8260
p-Isopropyltoluene	ug/Kg	< 5.1	011209	5.102	EPA8260

cc:

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REMARKS:

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COLLECTED BY: Client DATE COL'D:01/07/09 RECEIVED:01/08/09
TIME COL'D:1000

MATRIX:Soil SAMPLE: S-6

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	TIME LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/Kg	< 5.1		011209	5.102	EPA8260
1,4 Dichlorobenzene (v)	ug/Kg	< 5.1		011209	5.102	EPA8260
n-Butylbenzene	ug/Kg	< 5.1		011209	5.102	EPA8260
1,2 Dichlorobenzene (v)	ug/Kg	< 5.1		011209	5.102	EPA8260
Dibromochloropropane	ug/Kg	< 5.1		011209	5.102	EPA8260
124-Trichlorobenzene (v)	ug/Kg	< 5.1		011209	5.102	EPA8260
Hexachlorobutadiene	ug/Kg	< 5.1		011209	5.102	EPA8260
Naphthalene(v)	ug/Kg	< 5.1		011209	5.102	EPA8260
123-Trichlorobenzene	ug/Kg	< 5.1		011209	5.102	EPA8260
ter.ButylMethylEther	ug/Kg	< 5.1		011209	5.102	EPA8260
p-Ethyltoluene	ug/Kg	< 5.1		011209	5.102	EPA8260
Freon 113	ug/Kg	< 5.1		011209	5.102	EPA8260
1245 Tetramethylbenz	ug/Kg	< 5.1		011209	5.102	EPA8260
Acetone	ug/Kg	< 51		011209	51.02	EPA8260
Methyl Ethyl Ketone	ug/Kg	< 51		011209	51.02	EPA8260
Methylisobutylketone	ug/Kg	< 51		011209	51.02	EPA8260
Chlorodifluoromethane	ug/Kg	< 5.1		011209	5.102	EPA8260
p Diethylbenzene	ug/Kg	< 5.1		011209	5.102	EPA8260
% Solids		98		010909	0.1	182540G

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REMARKS:

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.290082.06 01/19/09

GC Environmental, Incorporated
410 Saw Mill River Road
Ardsley, NY 10502
ATTN: Val Gatallin P0#:8381

SOURCE OF SAMPLE: 101 Westmoreland Avenue, #05-003
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/07/09 RECEIVED:01/08/09
TIME COL'D:1000

MATRIX:Soil SAMPLE: S-6

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	TIME LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 31		011209	30.61	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 31		011209	30.61	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 31		011209	30.61	EPA8270
Carbazole	ug/Kg	< 31		011209	30.61	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 31		011209	30.61	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 31		011209	30.61	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 31		011209	30.61	EPA8270
Hexachloroethane	ug/Kg	< 31		011209	30.61	EPA8270
Nitrobenzene	ug/Kg	< 31		011209	30.61	EPA8270
Isophorone	ug/Kg	< 31		011209	30.61	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 31		011209	30.61	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 31		011209	30.61	EPA8270
Naphthalene(sv)	ug/Kg	< 31		011209	30.61	EPA8270
4-Chloroaniline	ug/Kg	< 31		011209	30.61	EPA8270
Hexachlorobutadiene	ug/Kg	< 31		011209	30.61	EPA8270
2-Methylnaphthalene	ug/Kg	< 31		011209	30.61	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 310		011209	306.1	EPA8270
2-Chloronaphthalene	ug/Kg	< 31		011209	30.61	EPA8270
2-Nitroaniline	ug/Kg	< 31		011209	30.61	EPA8270
Dimethyl Phthalate	ug/Kg	< 31		011209	30.61	EPA8270
Acenaphthylene	ug/Kg	< 31		011209	30.61	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 31		011209	30.61	EPA8270
3-Nitroaniline	ug/Kg	< 31		011209	30.61	EPA8270
Acenaphthene	ug/Kg	< 31		011209	30.61	EPA8270
Dibenzofuran	ug/Kg	< 31		011209	30.61	EPA8270

cc:

LRL=Laboratory Reporting Limit

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ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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LAB NO.290082.06 01/19/09

GC Environmental, Incorporated
410 Saw Mill River Road
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ATTN: Val Gatallin P0#:8381

SOURCE OF SAMPLE: 101 Westmoreland Avenue, #05-003
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/07/09 RECEIVED:01/08/09
TIME COL'D:1000

MATRIX:Soil SAMPLE: S-6

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	TIME LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 31		011209	30.61	EPA8270
Diethyl Phthalate	ug/Kg	< 31		011209	30.61	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 31		011209	30.61	EPA8270
Fluorene	ug/Kg	< 31		011209	30.61	EPA8270
4-Nitroaniline	ug/Kg	< 31		011209	30.61	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 31		011209	30.61	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 31		011209	30.61	EPA8270
Hexachlorobenzene	ug/Kg	< 31		011209	30.61	EPA8270
Phenanthrene	ug/Kg	< 31		011209	30.61	EPA8270
Anthracene	ug/Kg	< 31		011209	30.61	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 31		011209	30.61	EPA8270
Fluoranthene	ug/Kg	< 31		011209	30.61	EPA8270
Pyrene	ug/Kg	< 31		011209	30.61	EPA8270
BenzylButylPhthalate	ug/Kg	< 31		011209	30.61	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 310		011209	306.1	EPA8270
Benzo(a)anthracene	ug/Kg	< 31		011209	30.61	EPA8270

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TIME COL'D:1000
MATRIX:Soil SAMPLE: S-6

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	TIME	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	< 31		011209		30.61	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	< 31		011209		30.61	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 31		011209		30.61	EPA8270
Benzo(b)fluoranthene	ug/Kg	< 31		011209		30.61	EPA8270
Benzo(k)fluoranthene	ug/Kg	< 31		011209		30.61	EPA8270
Benzo(a)pyrene	ug/Kg	< 31		011209		30.61	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	< 31		011209		30.61	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	< 31		011209		30.61	EPA8270
Benzo(ghi)perylene	ug/Kg	< 31		011209		30.61	EPA8270

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LAB NO.290082.07 01/19/09

GC Environmental, Incorporated
410 Saw Mill River Road
Ardsley, NY 10502
ATTN: Val Gatallin P0#:8381

SOURCE OF SAMPLE: 101 Westmoreland Avenue, #05-003
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/07/09 RECEIVED:01/08/09
TIME COL'D:1000

MATRIX:Soil SAMPLE: S-7

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	TIME LRL	ANALYTICAL METHOD
Dichlordifluoromethane	ug/Kg	< 5.1		011209	5.050	EPA8260
Chloromethane	ug/Kg	< 5.1		011209	5.050	EPA8260
Vinyl Chloride	ug/Kg	< 5.1		011209	5.050	EPA8260
Bromomethane	ug/Kg	< 5.1		011209	5.050	EPA8260
Chloroethane	ug/Kg	< 5.1		011209	5.050	EPA8260
Trichlorofluoromethane	ug/Kg	< 5.1		011209	5.050	EPA8260
1,1 Dichloroethene	ug/Kg	< 5.1		011209	5.050	EPA8260
Methylene Chloride	ug/Kg	< 5.1		011209	5.050	EPA8260
t-1,2-Dichloroethene	ug/Kg	< 5.1		011209	5.050	EPA8260
1,1 Dichloroethane	ug/Kg	< 5.1		011209	5.050	EPA8260
2,2-Dichloropropane	ug/Kg	< 5.1		011209	5.050	EPA8260
c-1,2-Dichloroethene	ug/Kg	< 5.1		011209	5.050	EPA8260
Bromochloromethane	ug/Kg	< 5.1		011209	5.050	EPA8260
Chloroform	ug/Kg	< 5.1		011209	5.050	EPA8260
111 Trichloroethane	ug/Kg	< 5.1		011209	5.050	EPA8260
Carbon Tetrachloride	ug/Kg	< 5.1		011209	5.050	EPA8260
1,1-Dichloropropene	ug/Kg	< 5.1		011209	5.050	EPA8260
Benzene	ug/Kg	< 5.1		011209	5.050	EPA8260
1,2 Dichloroethane	ug/Kg	< 5.1		011209	5.050	EPA8260
Trichloroethene	ug/Kg	< 5.1		011209	5.050	EPA8260
1,2 Dichloropropane	ug/Kg	< 5.1		011209	5.050	EPA8260
Dibromomethane	ug/Kg	< 5.1		011209	5.050	EPA8260
Bromodichloromethane	ug/Kg	< 5.1		011209	5.050	EPA8260
c-1,3Dichloropropene	ug/Kg	< 5.1		011209	5.050	EPA8260
Toluene	ug/Kg	< 5.1		011209	5.050	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 419 NYSDOH ID # 10320

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MATRIX:Soil SAMPLE: S-7

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	TIME LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/Kg	< 5.1		011209	5.050	EPA8260
112 Trichloroethane	ug/Kg	< 5.1		011209	5.050	EPA8260
Tetrachloroethene	ug/Kg	10		011209	5.050	EPA8260
1,3-Dichloropropane	ug/Kg	< 5.1		011209	5.050	EPA8260
Chlorodibromomethane	ug/Kg	< 5.1		011209	5.050	EPA8260
1,2 Dibromoethane	ug/Kg	< 5.1		011209	5.050	EPA8260
Chlorobenzene	ug/Kg	< 5.1		011209	5.050	EPA8260
Ethyl Benzene	ug/Kg	< 5.1		011209	5.050	EPA8260
1112Tetrachloroethane	ug/Kg	< 5.1		011209	5.050	EPA8260
m + p Xylene	ug/Kg	< 10		011209	10.10	EPA8260
o Xylene	ug/Kg	< 5.1		011209	5.050	EPA8260
Styrene	ug/Kg	< 5.1		011209	5.050	EPA8260
Bromoform	ug/Kg	< 5.1		011209	5.050	EPA8260
Isopropylbenzene	ug/Kg	< 5.1		011209	5.050	EPA8260
Bromobenzene	ug/Kg	< 5.1		011209	5.050	EPA8260
1122Tetrachloroethane	ug/Kg	< 5.1		011209	5.050	EPA8260
123-Trichloropropane	ug/Kg	< 5.1		011209	5.050	EPA8260
n-Propylbenzene	ug/Kg	< 5.1		011209	5.050	EPA8260
2-Chlorotoluene	ug/Kg	< 5.1		011209	5.050	EPA8260
135-Trimethylbenzene	ug/Kg	< 5.1		011209	5.050	EPA8260
4-Chlorotoluene	ug/Kg	< 5.1		011209	5.050	EPA8260
tert-Butylbenzene	ug/Kg	< 5.1		011209	5.050	EPA8260
124-Trimethylbenzene	ug/Kg	< 5.1		011209	5.050	EPA8260
sec-Butylbenzene	ug/Kg	< 5.1		011209	5.050	EPA8260
p-Isopropyltoluene	ug/Kg	< 5.1		011209	5.050	EPA8260

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MATRIX:Soil SAMPLE: S-7

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/Kg	< 5.1	011209	5.050	EPA8260
1,4 Dichlorobenzene (v)	ug/Kg	< 5.1	011209	5.050	EPA8260
n-Butylbenzene	ug/Kg	< 5.1	011209	5.050	EPA8260
1,2 Dichlorobenzene (v)	ug/Kg	< 5.1	011209	5.050	EPA8260
Dibromochloropropane	ug/Kg	< 5.1	011209	5.050	EPA8260
124-Trichlorobenzene (v)	ug/Kg	< 5.1	011209	5.050	EPA8260
Hexachlorobutadiene	ug/Kg	< 5.1	011209	5.050	EPA8260
Naphthalene(v)	ug/Kg	< 5.1	011209	5.050	EPA8260
123-Trichlorobenzene	ug/Kg	< 5.1	011209	5.050	EPA8260
ter.ButylMethylEther	ug/Kg	< 5.1	011209	5.050	EPA8260
p-Ethyltoluene	ug/Kg	< 5.1	011209	5.050	EPA8260
Freon 113	ug/Kg	< 5.1	011209	5.050	EPA8260
1245 Tetramethylbenz	ug/Kg	< 5.1	011209	5.050	EPA8260
Acetone	ug/Kg	< 51	011209	50.50	EPA8260
Methyl Ethyl Ketone	ug/Kg	< 51	011209	50.50	EPA8260
Methylisobutylketone	ug/Kg	< 51	011209	50.50	EPA8260
Chlorodifluoromethane	ug/Kg	< 5.1	011209	5.050	EPA8260
p Diethylbenzene	ug/Kg	< 5.1	011209	5.050	EPA8260
% Solids		99	010909	0.1	182540G

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MATRIX:Soil SAMPLE: S-7

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 30		011209	30.30	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 30		011209	30.30	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 30		011209	30.30	EPA8270
Carbazole	ug/Kg	< 30		011209	30.30	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 30		011209	30.30	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 30		011209	30.30	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 30		011209	30.30	EPA8270
Hexachloroethane	ug/Kg	< 30		011209	30.30	EPA8270
Nitrobenzene	ug/Kg	< 30		011209	30.30	EPA8270
Isophorone	ug/Kg	< 30		011209	30.30	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 30		011209	30.30	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 30		011209	30.30	EPA8270
Naphthalene(sv)	ug/Kg	< 30		011209	30.30	EPA8270
4-Chloroaniline	ug/Kg	< 30		011209	30.30	EPA8270
Hexachlorobutadiene	ug/Kg	< 30		011209	30.30	EPA8270
2-Methylnaphthalene	ug/Kg	< 30		011209	30.30	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 300		011209	303.0	EPA8270
2-Chloronaphthalene	ug/Kg	< 30		011209	30.30	EPA8270
2-Nitroaniline	ug/Kg	< 30		011209	30.30	EPA8270
Dimethyl Phthalate	ug/Kg	< 30		011209	30.30	EPA8270
Acenaphthylene	ug/Kg	< 30		011209	30.30	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 30		011209	30.30	EPA8270
3-Nitroaniline	ug/Kg	< 30		011209	30.30	EPA8270
Acenaphthene	ug/Kg	< 30		011209	30.30	EPA8270
Dibenzofuran	ug/Kg	< 30		011209	30.30	EPA8270

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LRL=Laboratory Reporting Limit

REMARKS:

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TIME COL'D:1000
MATRIX:Soil SAMPLE: S-7

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 30		011209	30.30	EPA8270
Diethyl Phthalate	ug/Kg	< 30		011209	30.30	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 30		011209	30.30	EPA8270
Fluorene	ug/Kg	< 30		011209	30.30	EPA8270
4-Nitroaniline	ug/Kg	< 30		011209	30.30	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 30		011209	30.30	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 30		011209	30.30	EPA8270
Hexachlorobenzene	ug/Kg	< 30		011209	30.30	EPA8270
Phenanthrene	ug/Kg	< 30		011209	30.30	EPA8270
Anthracene	ug/Kg	< 30		011209	30.30	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 30		011209	30.30	EPA8270
Fluoranthene	ug/Kg	< 30		011209	30.30	EPA8270
Pyrene	ug/Kg	< 30		011209	30.30	EPA8270
BenzylButylPhthalate	ug/Kg	< 30		011209	30.30	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 300		011209	303.0	EPA8270
Benzo(a)anthracene	ug/Kg	< 30		011209	30.30	EPA8270

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TIME COL'D:1000

MATRIX:Soil SAMPLE: S-7

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	< 30		011209	30.30	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	< 30		011209	30.30	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 30		011209	30.30	EPA8270
Benzo(b)fluoranthene	ug/Kg	< 30		011209	30.30	EPA8270
Benzo(k)fluoranthene	ug/Kg	< 30		011209	30.30	EPA8270
Benzo(a)pyrene	ug/Kg	< 30		011209	30.30	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	< 30		011209	30.30	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	< 30		011209	30.30	EPA8270
Benzo(ghi)perylene	ug/Kg	< 30		011209	30.30	EPA8270

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LRL=Laboratory Reporting Limit

REMARKS:

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rm = 424 NYSDOH ID # 10320

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LAB NO.290082.08 01/19/09

GC Environmental, Incorporated
410 Saw Mill River Road
Ardsley, NY 10502
ATTN: Val Gatallin PO#:8381

SOURCE OF SAMPLE: 101 Westmoreland Avenue, #05-003
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/07/09 RECEIVED:01/08/09
TIME COL'D:1000

MATRIX:Soil SAMPLE: S-8

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlordifluoromethane	ug/Kg	< 5.3		011209	5.263	EPA8260
Chloromethane	ug/Kg	< 5.3		011209	5.263	EPA8260
Vinyl Chloride	ug/Kg	< 5.3		011209	5.263	EPA8260
Bromomethane	ug/Kg	< 5.3		011209	5.263	EPA8260
Chloroethane	ug/Kg	< 5.3		011209	5.263	EPA8260
Trichlorofluoromethane	ug/Kg	< 5.3		011209	5.263	EPA8260
1,1 Dichloroethene	ug/Kg	< 5.3		011209	5.263	EPA8260
Methylene Chloride	ug/Kg	8.4		011209	5.263	EPA8260
t-1,2-Dichloroethene	ug/Kg	< 5.3		011209	5.263	EPA8260
1,1 Dichloroethane	ug/Kg	< 5.3		011209	5.263	EPA8260
2,2-Dichloropropane	ug/Kg	< 5.3		011209	5.263	EPA8260
c-1,2-Dichloroethene	ug/Kg	5.3		011209	5.263	EPA8260
Bromochloromethane	ug/Kg	< 5.3		011209	5.263	EPA8260
Chloroform	ug/Kg	< 5.3		011209	5.263	EPA8260
111 Trichloroethane	ug/Kg	< 5.3		011209	5.263	EPA8260
Carbon Tetrachloride	ug/Kg	< 5.3		011209	5.263	EPA8260
1,1-Dichloropropene	ug/Kg	< 5.3		011209	5.263	EPA8260
Benzene	ug/Kg	< 5.3		011209	5.263	EPA8260
1,2 Dichloroethane	ug/Kg	< 5.3		011209	5.263	EPA8260
Trichloroethene	ug/Kg	< 5.3		011209	5.263	EPA8260
1,2 Dichloropropane	ug/Kg	< 5.3		011209	5.263	EPA8260
Dibromomethane	ug/Kg	< 5.3		011209	5.263	EPA8260
Bromodichloromethane	ug/Kg	< 5.3		011209	5.263	EPA8260
c-1,3Dichloropropene	ug/Kg	< 5.3		011209	5.263	EPA8260
Toluene	ug/Kg	< 5.3		011209	5.263	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 425 NYSDOH ID # 10320 Page 1 of 6

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.290082.08 01/19/09

GC Environmental, Incorporated
410 Saw Mill River Road
Ardsley, NY 10502
ATTN: Val Gatallin PO#:8381

SOURCE OF SAMPLE: 101 Westmoreland Avenue, #05-003
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/07/09 RECEIVED:01/08/09
TIME COL'D:1000

MATRIX:Soil SAMPLE: S-8

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/Kg	< 5.3		011209	5.263	EPA8260
112 Trichloroethane	ug/Kg	< 5.3		011209	5.263	EPA8260
Tetrachloroethene	ug/Kg	100		011209	5.263	EPA8260
1,3-Dichloropropane	ug/Kg	< 5.3		011209	5.263	EPA8260
Chlorodibromomethane	ug/Kg	< 5.3		011209	5.263	EPA8260
1,2 Dibromoethane	ug/Kg	< 5.3		011209	5.263	EPA8260
Chlorobenzene	ug/Kg	< 5.3		011209	5.263	EPA8260
Ethyl Benzene	ug/Kg	< 5.3		011209	5.263	EPA8260
1112Tetrachloroethane	ug/Kg	< 5.3		011209	5.263	EPA8260
m + p Xylene	ug/Kg	< 11		011209	10.52	EPA8260
o Xylene	ug/Kg	< 5.3		011209	5.263	EPA8260
Styrene	ug/Kg	< 5.3		011209	5.263	EPA8260
Bromoform	ug/Kg	< 5.3		011209	5.263	EPA8260
Isopropylbenzene	ug/Kg	< 5.3		011209	5.263	EPA8260
Bromobenzene	ug/Kg	< 5.3		011209	5.263	EPA8260
1122Tetrachloroethane	ug/Kg	< 5.3		011209	5.263	EPA8260
123-Trichloropropane	ug/Kg	< 5.3		011209	5.263	EPA8260
n-Propylbenzene	ug/Kg	< 5.3		011209	5.263	EPA8260
2-Chlorotoluene	ug/Kg	< 5.3		011209	5.263	EPA8260
135-Trimethylbenzene	ug/Kg	7.4		011209	5.263	EPA8260
4-Chlorotoluene	ug/Kg	< 5.3		011209	5.263	EPA8260
tert-Butylbenzene	ug/Kg	< 5.3		011209	5.263	EPA8260
124-Trimethylbenzene	ug/Kg	12		011209	5.263	EPA8260
sec-Butylbenzene	ug/Kg	< 5.3		011209	5.263	EPA8260
p-Isopropyltoluene	ug/Kg	< 5.3		011209	5.263	EPA8260

cc:

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REMARKS:

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TIME COL'D:1000

MATRIX:Soil SAMPLE: S-8

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	TIME LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/Kg	< 5.3		011209	5.263	EPA8260
1,4 Dichlorobenzene (v)	ug/Kg	< 5.3		011209	5.263	EPA8260
n-Butylbenzene	ug/Kg	< 5.3		011209	5.263	EPA8260
1,2 Dichlorobenzene (v)	ug/Kg	28		011209	5.263	EPA8260
Dibromochloropropane	ug/Kg	< 5.3		011209	5.263	EPA8260
124-Trichlorobenzene (v)	ug/Kg	< 5.3		011209	5.263	EPA8260
Hexachlorobutadiene	ug/Kg	< 5.3		011209	5.263	EPA8260
Naphthalene(v)	ug/Kg	< 5.3		011209	5.263	EPA8260
123-Trichlorobenzene	ug/Kg	< 5.3		011209	5.263	EPA8260
ter.ButylMethylEther	ug/Kg	< 5.3		011209	5.263	EPA8260
p-Ethyltoluene	ug/Kg	< 5.3		011209	5.263	EPA8260
Freon 113	ug/Kg	< 5.3		011209	5.263	EPA8260
1245 Tetramethylbenz	ug/Kg	16		011209	52.63	EPA8260
Acetone	ug/Kg	< 53		011209	52.63	EPA8260
Methyl Ethyl Ketone	ug/Kg	< 53		011209	52.63	EPA8260
Methylisobutylketone	ug/Kg	< 53		011209	5.263	EPA8260
Chlorodifluoromethane	ug/Kg	< 5.3		011209	5.263	EPA8260
p Diethylbenzene						
% Solids		95		010909	0.1	182540G

cc:

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REMARKS:

DIRECTOR

rn = 427 NYSDOH ID # 10320 Page 3 of 6

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MATRIX:Soil SAMPLE: S-8

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	TIME LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 32		011209	31.57	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 32		011209	31.57	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 32		011209	31.57	EPA8270
Carbazole	ug/Kg	< 32		011209	31.57	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	230		011209	31.57	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 32		011209	31.57	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 32		011209	31.57	EPA8270
Hexachloroethane	ug/Kg	< 32		011209	31.57	EPA8270
Nitrobenzene	ug/Kg	< 32		011209	31.57	EPA8270
Isophorone	ug/Kg	< 32		011209	31.57	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 32		011209	31.57	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 32		011209	31.57	EPA8270
Naphthalene(sv)	ug/Kg	44		011209	31.57	EPA8270
4-Chloroaniline	ug/Kg	< 32		011209	31.57	EPA8270
Hexachlorobutadiene	ug/Kg	< 32		011209	31.57	EPA8270
2-Methylnaphthalene	ug/Kg	45		011209	31.57	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 320		011209	315.7	EPA8270
2-Chloronaphthalene	ug/Kg	< 32		011209	31.57	EPA8270
2-Nitroaniline	ug/Kg	< 32		011209	31.57	EPA8270
Dimethyl Phthalate	ug/Kg	< 32		011209	31.57	EPA8270
Acenaphthylene	ug/Kg	< 32		011209	31.57	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 32		011209	31.57	EPA8270
3-Nitroaniline	ug/Kg	< 32		011209	31.57	EPA8270
Acenaphthene	ug/Kg	< 32		011209	31.57	EPA8270
Dibenzofuran	ug/Kg	< 32		011209	31.57	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

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LAB NO.290082.08 01/19/09

GC Environmental, Incorporated
410 Saw Mill River Road
Ardsley, NY 10502
ATTN: Val Gatallin P0#:8381

SOURCE OF SAMPLE: 101 Westmoreland Avenue, #05-003
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/07/09 RECEIVED:01/08/09
TIME COL'D:1000

MATRIX:Soil SAMPLE: S-8

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 32		011209	31.57	EPA8270
Diethyl Phthalate	ug/Kg	< 32		011209	31.57	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 32		011209	31.57	EPA8270
Fluorene	ug/Kg	< 32		011209	31.57	EPA8270
4-Nitroaniline	ug/Kg	< 32		011209	31.57	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 32		011209	31.57	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 32		011209	31.57	EPA8270
Hexachlorobenzene	ug/Kg	< 32		011209	31.57	EPA8270
Phenanthrene	ug/Kg	55		011209	31.57	EPA8270
Anthracene	ug/Kg	< 32		011209	31.57	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 32		011209	31.57	EPA8270
Fluoranthene	ug/Kg	65		011209	31.57	EPA8270
Pyrene	ug/Kg	68		011209	31.57	EPA8270
BenzylButylPhthalate	ug/Kg	< 32		011209	31.57	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 320		011209	315.7	EPA8270
Benzo(a)anthracene	ug/Kg	35		011209	31.57	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 429 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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SOURCE OF SAMPLE:
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TIME COL'D:1000

MATRIX:Soil SAMPLE: S-8

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	46		011209	31.57	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	< 32		011209	31.57	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 32		011209	31.57	EPA8270
Benzo(b)fluoranthene	ug/Kg	40	#	011209	31.57	EPA8270
Benzo(k)fluoranthene	ug/Kg	35	#	011209	31.57	EPA8270
Benzo(a)pyrene	ug/Kg	< 32		011209	31.57	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	35		011209	31.57	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	< 32		011209	31.57	EPA8270
Benzo(ghi)perylene	ug/Kg	95		011209	31.57	EPA8270

cc:

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REMARKS: #Results estimated due to unobtainable method requirement of a 50% split between peaks with the same isomers.

DIRECTOR

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SOURCE OF SAMPLE: 101 Westmoreland Avenue, #05-003
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/07/09 RECEIVED:01/08/09
TIME COL'D:1000

MATRIX:Soil SAMPLE: S-9

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	TIME	LRL	ANALYTICAL METHOD
Dichlordifluoromethane	ug/Kg	< 5.2		011209		5.154	EPA8260
Chloromethane	ug/Kg	< 5.2		011209		5.154	EPA8260
Vinyl Chloride	ug/Kg	< 5.2		011209		5.154	EPA8260
Bromomethane	ug/Kg	< 5.2		011209		5.154	EPA8260
Chloroethane	ug/Kg	< 5.2		011209		5.154	EPA8260
Trichlorofluoromethane	ug/Kg	< 5.2		011209		5.154	EPA8260
1,1 Dichloroethene	ug/Kg	< 5.2		011209		5.154	EPA8260
Methylene Chloride	ug/Kg	< 5.2		011209		5.154	EPA8260
t-1,2-Dichloroethene	ug/Kg	< 5.2		011209		5.154	EPA8260
1,1 Dichloroethane	ug/Kg	< 5.2		011209		5.154	EPA8260
2,2-Dichloropropane	ug/Kg	< 5.2		011209		5.154	EPA8260
c-1,2-Dichloroethene	ug/Kg	< 5.2		011209		5.154	EPA8260
Bromochloromethane	ug/Kg	< 5.2		011209		5.154	EPA8260
Chloroform	ug/Kg	< 5.2		011209		5.154	EPA8260
111 Trichloroethane	ug/Kg	< 5.2		011209		5.154	EPA8260
Carbon Tetrachloride	ug/Kg	< 5.2		011209		5.154	EPA8260
1,1-Dichloropropene	ug/Kg	< 5.2		011209		5.154	EPA8260
Benzene	ug/Kg	< 5.2		011209		5.154	EPA8260
1,2 Dichloroethane	ug/Kg	< 5.2		011209		5.154	EPA8260
Trichloroethene	ug/Kg	< 5.2		011209		5.154	EPA8260
1,2 Dichloropropane	ug/Kg	< 5.2		011209		5.154	EPA8260
Dibromomethane	ug/Kg	< 5.2		011209		5.154	EPA8260
Bromodichloromethane	ug/Kg	< 5.2		011209		5.154	EPA8260
c-1,3Dichloropropene	ug/Kg	< 5.2		011209		5.154	EPA8260
Toluene	ug/Kg	< 5.2		011209		5.154	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rm = 431 NYSDOH ID # 10320

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MATRIX:Soil SAMPLE: S-9

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	TIME LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/Kg	< 5.2		011209	5.154	EPA8260
112 Trichloroethane	ug/Kg	< 5.2		011209	5.154	EPA8260
Tetrachloroethene	ug/Kg	< 5.2		011209	5.154	EPA8260
1,3-Dichloropropane	ug/Kg	< 5.2		011209	5.154	EPA8260
Chlorodibromomethane	ug/Kg	< 5.2		011209	5.154	EPA8260
1,2 Dibromoethane	ug/Kg	< 5.2		011209	5.154	EPA8260
Chlorobenzene	ug/Kg	< 5.2		011209	5.154	EPA8260
Ethyl Benzene	ug/Kg	< 5.2		011209	5.154	EPA8260
1112Tetrachloroethane	ug/Kg	< 5.2		011209	5.154	EPA8260
m + p Xylene	ug/Kg	< 10		011209	10.30	EPA8260
o Xylene	ug/Kg	< 5.2		011209	5.154	EPA8260
Styrene	ug/Kg	< 5.2		011209	5.154	EPA8260
Bromoform	ug/Kg	< 5.2		011209	5.154	EPA8260
Isopropylbenzene	ug/Kg	< 5.2		011209	5.154	EPA8260
Bromobenzene	ug/Kg	< 5.2		011209	5.154	EPA8260
1122Tetrachloroethane	ug/Kg	< 5.2		011209	5.154	EPA8260
123-Trichloropropane	ug/Kg	< 5.2		011209	5.154	EPA8260
n-Propylbenzene	ug/Kg	< 5.2		011209	5.154	EPA8260
2-Chlorotoluene	ug/Kg	< 5.2		011209	5.154	EPA8260
135-Trimethylbenzene	ug/Kg	< 5.2		011209	5.154	EPA8260
4-Chlorotoluene	ug/Kg	< 5.2		011209	5.154	EPA8260
tert-Butylbenzene	ug/Kg	< 5.2		011209	5.154	EPA8260
124-Trimethylbenzene	ug/Kg	< 5.2		011209	5.154	EPA8260
sec-Butylbenzene	ug/Kg	< 5.2		011209	5.154	EPA8260
p-Isopropyltoluene	ug/Kg	< 5.2		011209	5.154	EPA8260

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LRL=Laboratory Reporting Limit

REMARKS:

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MATRIX:Soil SAMPLE: S-9

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/Kg	< 5.2		011209	5.154	EPA8260
1,4 Dichlorobenzene (v)	ug/Kg	< 5.2		011209	5.154	EPA8260
n-Butylbenzene	ug/Kg	< 5.2		011209	5.154	EPA8260
1,2 Dichlorobenzene (v)	ug/Kg	< 5.2		011209	5.154	EPA8260
Dibromochloropropane	ug/Kg	< 5.2		011209	5.154	EPA8260
124-Trichlorobenzene (v)	ug/Kg	< 5.2		011209	5.154	EPA8260
Hexachlorobutadiene	ug/Kg	< 5.2		011209	5.154	EPA8260
Naphthalene(v)	ug/Kg	< 5.2		011209	5.154	EPA8260
123-Trichlorobenzene	ug/Kg	< 5.2		011209	5.154	EPA8260
ter.ButylMethylEther	ug/Kg	< 5.2		011209	5.154	EPA8260
p-Ethyltoluene	ug/Kg	< 5.2		011209	5.154	EPA8260
Freon 113	ug/Kg	< 5.2		011209	5.154	EPA8260
1245 Tetramethylbenz	ug/Kg	< 5.2		011209	5.154	EPA8260
Acetone	ug/Kg	< 52		011209	51.54	EPA8260
Methyl Ethyl Ketone	ug/Kg	< 52		011209	51.54	EPA8260
Methylisobutylketone	ug/Kg	< 52		011209	51.54	EPA8260
Chlorodifluoromethane	ug/Kg	< 5.2		011209	5.154	EPA8260
p Diethylbenzene	ug/Kg	< 5.2		011209	5.154	EPA8260
% Solids		97		010909	0.1	182540G

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.290082.09 01/19/09

GC Environmental, Incorporated
410 Saw Mill River Road
Ardsley, NY 10502
ATTN: Val Gatallin P0#:8381

SOURCE OF SAMPLE: 101 Westmoreland Avenue, #05-003
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/07/09 RECEIVED:01/08/09
TIME COL'D:1000

MATRIX:Soil SAMPLE: S-9

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	TIME LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 31		011209	30.92	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 31		011209	30.92	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 31		011209	30.92	EPA8270
Carbazole	ug/Kg	< 31		011209	30.92	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	370		011209	30.92	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 31		011209	30.92	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 31		011209	30.92	EPA8270
Hexachloroethane	ug/Kg	< 31		011209	30.92	EPA8270
Nitrobenzene	ug/Kg	< 31		011209	30.92	EPA8270
Isophorone	ug/Kg	< 31		011209	30.92	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 31		011209	30.92	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 31		011209	30.92	EPA8270
Naphthalene(sv)	ug/Kg	< 31		011209	30.92	EPA8270
4-Chloroaniline	ug/Kg	< 31		011209	30.92	EPA8270
Hexachlorobutadiene	ug/Kg	< 31		011209	30.92	EPA8270
2-Methylnaphthalene	ug/Kg	< 31		011209	30.92	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 310		011209	309.2	EPA8270
2-Chloronaphthalene	ug/Kg	< 31		011209	30.92	EPA8270
2-Nitroaniline	ug/Kg	< 31		011209	30.92	EPA8270
Dimethyl Phthalate	ug/Kg	< 31		011209	30.92	EPA8270
Acenaphthylene	ug/Kg	< 31		011209	30.92	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 31		011209	30.92	EPA8270
3-Nitroaniline	ug/Kg	< 31		011209	30.92	EPA8270
Acenaphthene	ug/Kg	< 31		011209	30.92	EPA8270
Dibenzofuran	ug/Kg	< 31		011209	30.92	EPA8270

cc:

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Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.290082.09 01/19/09

GC Environmental, Incorporated
410 Saw Mill River Road
Ardsley, NY 10502
ATTN: Val Gatallin PO#:8381

SOURCE OF SAMPLE: 101 Westmoreland Avenue, #05-003
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/07/09 RECEIVED:01/08/09
TIME COL'D:1000

MATRIX:Soil SAMPLE: S-9

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 31		011209	30.92	EPA8270
Diethyl Phthalate	ug/Kg	< 31		011209	30.92	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 31		011209	30.92	EPA8270
Fluorene	ug/Kg	< 31		011209	30.92	EPA8270
4-Nitroaniline	ug/Kg	< 31		011209	30.92	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 31		011209	30.92	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 31		011209	30.92	EPA8270
Hexachlorobenzene	ug/Kg	< 31		011209	30.92	EPA8270
Phenanthrene	ug/Kg	< 31		011209	30.92	EPA8270
Anthracene	ug/Kg	< 31		011209	30.92	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 31		011209	30.92	EPA8270
Fluoranthene	ug/Kg	38		011209	30.92	EPA8270
Pyrene	ug/Kg	57		011209	30.92	EPA8270
BenzylButylPhthalate	ug/Kg	< 31		011209	30.92	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 310		011209	309.2	EPA8270
Benzo(a)anthracene	ug/Kg	< 31		011209	30.92	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

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Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.290082.09 01/19/09

GC Environmental, Incorporated
410 Saw Mill River Road
Ardsley, NY 10502
ATTN: Val Gatallin P0#:8381

SOURCE OF SAMPLE: 101 Westmoreland Avenue, #05-003
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/07/09 RECEIVED:01/08/09
TIME COL'D:1000

MATRIX:Soil SAMPLE: S-9

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	< 31		011209	30.92	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	< 31		011209	30.92	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 31		011209	30.92	EPA8270
Benzo(b)fluoranthene	ug/Kg	< 31		011209	30.92	EPA8270
Benzo(k)fluoranthene	ug/Kg	< 31		011209	30.92	EPA8270
Benzo(a)pyrene	ug/Kg	< 31		011209	30.92	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	< 31		011209	30.92	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	< 31		011209	30.92	EPA8270
Benzo(ghi)perylene	ug/Kg	< 31		011209	30.92	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rm = 436 NYSDOH ID # 10320

METHODOLOGY SUMMARY FOR ALL METHODS

Semivolatile Organic Compounds by EPA 8270
Soil samples were extracted by Accelerated Solvent Extraction (EPA 3545), waters by Separatory Funnel Liquid-Liquid Extraction (EPA Method 3510C). Samples are injected in GC/MS with narrow-bore fused-silica capillary column. Mass spectra and retention time are utilized to identify compounds detected. Quanititation based on major ion relative to internal standard using five-point curve verified with continuing calibration standards.

Volatile Organic Compounds by EPA 8260
Soil samples were extracted Closed System Purge & Trap (EPA 5035), waters by (EPA Method 5030B). Samples are injected in GC/MS with narrow-bore fused-silica capillary column. Mass spectra and retention time are utilized to identify compounds detected. Quanititation based on major ion relative to internal standard using five-point curve verified with continuing calibration standards.

%SOLIDS
Approx. 5 gram, representative sample weighed and is dried overnight at 103-105 °C. Sample is cooled in dessicator and weighed. % Solids is calculated.

SVOCs BY EPA METHOD 8270 - QC DELIVERABLES INCLUDING:

- CONFORMANCE/NONCONFORMANCE SUMMARIES
- LABORATORY CHRONICLE
- ANALYTICAL RESULTS SUMMARY
- MDLs & PQLs
- METHOD BLANK SUMMARY
- DATE/TIME SUMMARY
- SURROGATE COMPOUND RESULTS SUMMARY
- MS/MSD RECOVERY RESULTS SUMMARY
- INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY
- INSTRUMENT PERFORMANCE CHECK SUMMARY (DFTPP)
- QC CHECK (REFERENCE SAMPLE) RESULTS SUMMARY
- RAW DATA FOR ALL GCMS RUNS
- TENTATIVELY IDENTIFIED COMPOUNDS (TICs)

EcoTest Labs

Conformance/Nonconformance Summary
8270

SAMPLES 290082.01-.09

QC criteria were met for the following unless stated otherwise:

* Method blank
* MDL study
* Surrogate recoveries
* Matrix Spike & Matrix Spike Duplicate RPD
* Reference sample
* Holding Time (USEPA SW846)
* Initial instrument calibration & continuing calibration
* GCMS Tune criteria
* Internal Standard Recovery

EcoTest Labs

Lab Chronicle

Instrument ran on	date rec'd	date col'd	Lab number	Sample	Date of Extraction	Holding Time Before Extraction (Days)	Date of Analysis	Holding Time After Extraction 8270 (Days)
svgcms#3	01/08/09	01/07/09	290082.01	S-1	01/09/09	2	01/12/09	3
svgcms#3	01/08/09	01/07/09	290082.02	S-2	01/09/09	2	01/12/09	3
svgcms#3	01/08/09	01/07/09	290082.03	S-3	01/09/09	2	01/12/09	3
svgcms#3	01/08/09	01/07/09	290082.04	S-4	01/09/09	2	01/12/09	3
svgcms#3	01/08/09	01/07/09	290082.05	S-5	01/09/09	2	01/12/09	3
svgcms#3	01/08/09	01/07/09	290082.06	S-6	01/09/09	2	01/12/09	3
svgcms#3	01/08/09	01/07/09	290082.07	S-7	01/09/09	2	01/12/09	3
svgcms#3	01/08/09	01/07/09	290082.08	S-8	01/09/09	2	01/12/09	3
svgcms#3	01/08/09	01/07/09	290082.09	S-9	01/09/09	2	01/12/09	3

EcoTest Labs

ANALYTICAL RESULTS SUMMARY

BNA - (8270)

Lab Number	Sample Volume	Dilution Factor	Run on Instrument	Column
290082.01	33g	30	svgcms#3	Rxi-5ms, 30m, 0.25mmID, .25um df
290082.02	33g	30	svgcms#3	Rxi-5ms, 30m, 0.25mmID, .25um df
290082.03	33g	30	svgcms#3	Rxi-5ms, 30m, 0.25mmID, .25um df
290082.04	33g	30	svgcms#3	Rxi-5ms, 30m, 0.25mmID, .25um df
290082.05	33g	30	svgcms#3	Rxi-5ms, 30m, 0.25mmID, .25um df
290082.06	33g	30	svgcms#3	Rxi-5ms, 30m, 0.25mmID, .25um df
290082.07	33g	30	svgcms#3	Rxi-5ms, 30m, 0.25mmID, .25um df
290082.08	33g	30	svgcms#3	Rxi-5ms, 30m, 0.25mmID, .25um df
290082.09	33g	30	svgcms#3	Rxi-5ms, 30m, 0.25mmID, .25um df

EcoTest Labs

MDL / PQL

LIMITS

Instrument : SVGCMS3

Compound	MDL ug/Kg	PQL ug/Kg
Bis(2-chloroethyl)ether	0.2	<1
1,3 Dichlorobenzene	0.3	<1
1,4 Dichlorobenzene	0.3	<1
1,2 Dichlorobenzene	0.3	<1
Bis(2-chloroisopropyl)ether	0.3	<1
N-nitroso-di-n-propylamine	0.4	<1
Hexachloroethane	0.2	<1
Nitrobenzene	0.3	<1
Isophorone	0.2	<1
Bis(2-chloroethoxy)methane	0.2	<1
1,2,4 Trichlorobenzene	0.2	<1
Naphthalene	0.2	<1
4 Chloroaniline	0.2	<1
Hexachlorobutadiene	0.1	<1
2 Methylnaphthalene	0.3	<1
2 Nitroaniline	0.1	<1
Hexachlorocyclopentadiene	1.1	<10
2 Chloronaphthalene	0.2	<1
Dimethylphthalate	0.2	<1
2,6 Dinitrotoluene	0.2	<1
Acenaphthylene	0.2	<1
3 Nitroaniline	0.2	<1
Acenaphthene	0.2	<1
Dibenzofuran	0.2	<1
2,4 Dinitrotoluene	0.2	<1
Diethylphthalate	0.2	<1
4 Chlorophenylphenyl ether	0.2	<1
Fluorene	0.2	<1
4 Nitroaniline	0.2	<1
N-Nitrosodiphenylamine	0.2	<1
4 Bromophenylphenyl ether	0.3	<1
Hexachlorobenzene	0.2	<1
Phenanthrene	0.2	<1
Anthracene	0.2	<1
Carbazole	0.1	<1
Di-n-butylphthalate	0.3	<1
Fluoranthene	0.2	<1
Pyrene	0.2	<1
Butylbenzylphthalate	0.2	<1
Bis(2-ethylhexyl)phthalate	0.2	<1
Benzo(a)anthracene	0.1	<1
Chrysene	0.2	<1
3,3' Dichlorobenzidine	4.8	<10
Di-n-octyl phthalate	0.2	<1
Benzo(b)fluoranthene	0.2	<1
Benzo(k)fluoranthene	0.2	<1
Benzo(a)pyrene	0.2	<1
Dibenzo(a,h)anthracene	0.2	<1
Indeno(1,2,3-cd)pyrene	0.2	<1
Benzo(g,h,i)perylene	0.2	<1

4B

SEMIVOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

METHOD BLANK

Lab Name: ECOTEST LABS Contract:

Project No.: Site: Location: Group:

Lab File ID: 01120909.D Lab Sample ID:

Instrument ID: SVGCMS3 Date Extracted: 1/9/2009

Matrix: (soil/water) SOIL Date Analyzed: 1/12/2009

Level: (low/med) Time Analyzed: 1416

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	MATRIX SPIKE	BN MS-SOIL	01120910.D	01/12/09
02	MATRIX SPK DUP	BN MSD-SOIL	01120911.D	01/12/09
03	LAB CTL SMP	BN LCS	01120912.D	01/12/09
04	290082.01	BN 082.01*30	01120913.D	01/12/09
05	290082.02	BN 082.02*30	01120914.D	01/12/09
06	290082.03	BN 082.03*30	01120915.D	01/12/09
07	290082.04	BN 082.04*30	01120916.D	01/12/09
08	290082.05	BN 082.05*30	01120917.D	01/12/09
09	290082.06	BN 082.06*30	01120918.D	01/12/09
10	290082.07	BN 082.07*30	01120919.D	01/12/09
11	290082.08	BN 082.08*30	01120921.D	01/12/09
12	290082.09	BN 082.09*30	01120920.D	01/12/09
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

3/90

EcoTest Labs

Date Time Summary

Sample	Date	Time	SampleType	Run on Instrument	GC Column
DFTPP	01/12/09	9:52 AM	DFTPP Tune Check	svgcms#3	Rxi-5ms, 30m, 0.25mmID, .25um df
bna std 30 ppb s08-2	01/12/09	10:16 AM	continuing calibration standard	svgcms#3	Rxi-5ms, 30m, 0.25mmID, .25um df
bna std 1 ppb s08-2	01/12/09	10:52 AM	detection limit standard	svgcms#3	Rxi-5ms, 30m, 0.25mmID, .25um df
bna std 10 ppb s08-2	01/12/09	11:24 AM	detection limit standard	svgcms#3	Rxi-5ms, 30m, 0.25mmID, .25um df
bna qc std 30 ppb cc08-2	01/12/09	11:58 AM	quality control standard	svgcms#3	Rxi-5ms, 30m, 0.25mmID, .25um df
bz std 30 ppb s08-2	01/12/09	12:31 PM	continuing calibration standard	svgcms#3	Rxi-5ms, 30m, 0.25mmID, .25um df
bz std 10 ppb s08-2	01/12/09	1:06 PM	detection limit standard	svgcms#3	Rxi-5ms, 30m, 0.25mmID, .25um df
bz qc std 30 ppb cc08-2	01/12/09	1:42 PM	quality control standard	svgcms#3	Rxi-5ms, 30m, 0.25mmID, .25um df
bn method blank-water	01/12/09	2:16 PM	method blank	svgcms#3	Rxi-5ms, 30m, 0.25mmID, .25um df
bn ms-water+30+50 cc08-3	01/12/09	2:51 PM	matrix spike	svgcms#3	Rxi-5ms, 30m, 0.25mmID, .25um df
bn msd-water+30+50 cc08-3	01/12/09	3:26 PM	matrix spike duplicate	svgcms#3	Rxi-5ms, 30m, 0.25mmID, .25um df
bn lcs-water+30+50 cc08-3	01/12/09	4:01 PM	laboratory control sample	svgcms#3	Rxi-5ms, 30m, 0.25mmID, .25um df
bn smp 082.01*30 33g tcl	01/12/09	4:36 PM	sample	svgcms#3	Rxi-5ms, 30m, 0.25mmID, .25um df
bn smp 082.02*30 33g tcl	01/12/09	5:11 PM	sample	svgcms#3	Rxi-5ms, 30m, 0.25mmID, .25um df
bn smp 082.03*30 33g tcl	01/12/09	5:46 PM	sample	svgcms#3	Rxi-5ms, 30m, 0.25mmID, .25um df
bn smp 082.04*30 33g tcl	01/12/09	6:20 PM	sample	svgcms#3	Rxi-5ms, 30m, 0.25mmID, .25um df
bn smp 082.05*30 33g tcl	01/12/09	6:54 PM	sample	svgcms#3	Rxi-5ms, 30m, 0.25mmID, .25um df
bn smp 082.06*30 33g tcl	01/12/09	7:29 PM	sample	svgcms#3	Rxi-5ms, 30m, 0.25mmID, .25um df
bn smp 082.07*30 33g tcl	01/12/09	8:03 PM	sample	svgcms#3	Rxi-5ms, 30m, 0.25mmID, .25um df
bn smp 082.09*30 33g tcl	01/12/09	8:37 PM	sample	svgcms#3	Rxi-5ms, 30m, 0.25mmID, .25um df
bn smp 082.08*30 33g tcl	01/12/09	9:11 PM	sample	svgcms#3	Rxi-5ms, 30m, 0.25mmID, .25um df

2C
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: ECOTEST LABS Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

	EPA SAMPLE NO.	S1 ND5 #	S2 2FB #	S3 TD14 #	S4 2FP #	S5 PHL #	S6 TBP #	#	#	TOT OUT
01	Method Blank	86	92	88						
02	Matrix Spike	88	93	86						
03	Matrix Spike Dup	83	89	87						
04	Lab Ctl Smp	83	89	80						
05	290082.01	70	80	76						
06	290082.02	76	82	77						
07	290082.03	73	81	76						
08	290082.04	76	81	78						
09	290082.05	61	70	66						
10	290082.06	71	78	76						
11	290082.07	74	81	76						
12	290082.08	69	79	94						
13	290082.09	65	71	75						
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

	QC LIMITS
S1 ND5 = NITROBENZENE-D5	26–90
S2 2FB = 2-FLUOROBIPHENYL	39–95
S3 TD14 = TERPHENYL-D14	35–124

Column to be used to flag recovery values

* Values outside of contract required QC limits
D Surrogate diluted out

3/90

	MS/MSD RECOVERY RESULT SUMMARY								
	BNA (8270), Date: 01/12/09								
Run on Instrument	svgcms#3								
Compound	Unspiked Conc	Spike Added	MS Conc	MS Recov.	MSD Conc	MSD Recov.	RPD	Recovery Limits	RPD Limits
water	(ug/Kg)	(ug/Kg)	(ug/Kg)	(%)	(ug/Kg)	(%)	(%)	(%)	
Bis(2-chloroethyl)ether	0	30	27	91	25	82	11	50--113	36
1,3 Dichlorobenzene	0	30	27	89	26	85	5	46--104	47
1,4 Dichlorobenzene	0	30	26	85	24	80	7	44--109	31
1,2 Dichlorobenzene	0	30	26	85	24	80	6	47--108	25
Bis(2-chloroisopropyl)ether	0	30	29	97	29	96	1	56--113	25
N-nitroso-di-n-propylamine	0	30	28	92	27	89	4	57--119	26
Hexachloroethane	0	30	27	88	26	86	2	42--104	24
Nitrobenzene	0	30	27	89	26	85	5	55--108	22
Isophorone	0	30	25	82	24	79	4	57--118	23
Bis(2-chloroethoxy)methane	0	30	28	94	26	87	8	61--116	20
1,2,4 Trichlorobenzene	0	30	26	86	24	81	6	48--113	21
Naphthalene	0	30	28	93	26	88	6	56--101	33
4 Chloroaniline	0	30	36	121	35	117	4	61--141	22
Hexachlorobutadiene	0	30	25	82	24	79	4	42--115	23
2 Methylnaphthalene	0	30	33	110	31	103	7	73--118	27
2 Nitroaniline	0	30	37	124	35	115	8	78--160	21
Hexachlorocyclopentadiene	0	30	25	82	24	79	3	27--106	32
2 Chloronaphthalene	0	30	28	92	26	86	6	60--120	20
Dimethylphthalate	0	30	28	92	26	85	8	69--126	24
2,6 Dinitrotoluene	0	30	27	89	26	86	4	70--125	20
Acenaphthylene	0	30	27	89	26	86	3	70--99	18
3 Nitroaniline	0	30	37	125	35	115	8	77--149	18
Acenaphthene	0	30	29	98	27	90	9	73--101	20
Dibenzofuran	0	30	32	108	31	103	5	74--142	21
2,4 Dinitrotoluene	0	30	30	101	28	94	7	68--131	19
Diethylphthalate	0	30	27	89	26	86	3	69--124	22
4 Chlorophenylphenyl ether	0	30	26	88	26	86	2	69--119	22
Fluorene	0	30	28	94	27	90	4	73--99	20
4 Nitroaniline	0	30	43	145	42	140	3	95--193	15
N-Nitrosodiphenylamine	0	30	24	80	23	77	4	62--120	21
4 Bromophenylphenyl ether	0	30	28	92	26	88	4	67--128	20
Hexachlorobenzene	0	30	28	92	27	88	4	64--126	22
Phenanthrene	0	30	29	96	27	91	5	76--105	17
Anthracene	0	30	31	103	29	97	6	75--104	17
Carbazole	0	30	30	98	28	94	4	66--138	23
Di-n-butylphthalate	0	30	28	93	28	92	0	70--129	23
Fluoranthene	0	30	29	96	28	93	3	79--104	17
Pyrene	0	30	28	93	27	90	3	76--121	18
Butylbenzylphthalate	0	30	28	94	27	90	4	68--134	25
Bis(2-ethylhexyl)phthalate	0	30	27	90	26	86	5	68--131	24
Benzo(a)anthracene	0	30	27	91	26	88	3	75--106	17
Chrysene	0	30	28	93	27	89	4	77--107	14
3,3' Dichlorobenzidine	0	50	31	61	31	61	0	48--109	29

Di-n-octyl phthalate	0	30	24	80	23	76	5	67--131	26
Benzo(b)fluoranthene	0	30	27	89	25	83	7	73--112	24
Benzo(k)fluoranthene	0	30	26	88	26	88	0	68--121	37
Benzo(a)pyrene	0	30	28	94	27	90	4	77--116	18
Dibenzo(a,h)anthracene	0	30	28	92	27	88	4	60--117	32
Indeno(1,2,3-cd)pyrene	0	30	27	91	27	89	2	60--113	17
Benzo(g,h,i)perylene	0	30	28	94	26	88	7	59--111	20

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ECOTEST LABS Contract:

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

Lab File ID (Standard): 01120902.D Date Analyzed: 1/12/2009

Instrument ID: SVGCMS3 Time Analyzed: 1018

		IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	1497610	6.65	3084926	8.13	1461963	10.23
	UPPER LIMIT	2995220	7.15	6169852	8.63	2923926	10.73
	LOWER LIMIT	748805	6.15	1542463	7.63	730982	9.73
	EPA SAMPLE NO.						
01	BNA STD 1PPB	1287815	6.65	2861587	8.12	1369872	10.22
02	BNA STD 10PPB	1267471	6.65	2739787	8.12	1324629	10.23
03	BNA QC STD 30PPB	1339181	6.66	2633470	8.13	1211187	10.24
04	BZ STD 30PPB	1180163	6.65	2669730	8.12	1347114	10.22
05	BZ STD 10PPB	1215710	6.66	2731565	8.13	1302942	10.23
06	BZ QC STD 30PPB	1132773	6.65	2471402	8.12	1243836	10.23
07	METHOD BLANK	1001068	6.66	2471944	8.12	1230622	10.23
08	MATRIX SPIKE	1218546	6.65	2629566	8.13	1279154	10.23
09	MATRIX SP DUP	1181438	6.65	2614422	8.13	1271392	10.24
10	LAB.CTL.SMP.	1134037	6.65	2525967	8.13	1222890	10.23
11	290082.01	1062328	6.65	2623524	8.12	1272357	10.23
12	290082.02	1094321	6.65	2621900	8.12	1319368	10.23
13	290082.03	1134986	6.64	2741735	8.12	1356190	10.22
14	290082.04	1148491	6.65	2717276	8.12	1357834	10.22
15	290082.05	1188546	6.64	2917994	8.11	1394200	10.22
16	290082.06	1161758	6.64	2774514	8.11	1376034	10.22
17	290082.07	1085732	6.64	2690218	8.11	1335536	10.22
18	290082.09	1231297	6.64	2863720	8.12	1368009	10.22
19	290082.08	1154926	6.64	2791742	8.11	1369578	10.22
20							
21							
22							

IS1 = 1,4-DICHLOROBENZENE-d4 INT. STD.
IS2 = NAPHTHALENE-d8 INT. STD.
IS3 = ACENAPHTHENE-d10 INT. STD.

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ECOTEST LABS Contract:

Lab Code: ECOTEST Case No.: SAS No.: SDG No.:

Lab File ID (Standard): 01120902.D Date Analyzed: 1/12/2009

Instrument ID: SVGCMS3 Time Analyzed: 1018

		IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
	12 HOUR STD	2027261	11.99	1886272	16.21	1254754	19.53
	UPPER LIMIT	4054522	12.49	3772544	16.71	2509508	20.03
	LOWER LIMIT	1013631	11.49	943136	15.71	627377	19.03
	EPA SAMPLE NO.						
01	BNA STD 1PPB	1978097	12.00	1788525	16.20	1121577	19.53
02	BNA STD 10PPB	1817417	12.00	1772047	16.21	1120054	19.53
03	BNA QC STD 30PPB	1743475	12.00	1693895	16.22	1142800	19.54
04	BZ STD 30PPB	1926616	12.00	1652260	16.21	1126341	19.54
05	BZ STD 10PPB	1946282	12.00	1678510	16.21	1114909	19.53
06	BZ QC STD 30PPB	1792593	12.00	1480000	16.21	998343	19.54
07	METHOD BLANK	1756644	11.99	1687576	16.21	989887	19.54
08	MATRIX SPIKE	1823546	12.00	1843922	16.22	1359988	19.54
09	MATRIX SP DUP	1834272	12.00	1855032	16.23	1367468	19.54
10	LAB.CTL.SMP.	1814580	11.99	1823698	16.23	1330613	19.53
11	290082.01	1851999	11.99	1749555	16.21	1189549	19.54
12	290082.02	1963561	11.99	1871969	16.21	1213272	19.53
13	290082.03	1912245	11.99	1895418	16.19	1195533	19.52
14	290082.04	1978939	11.98	1894012	16.20	1199747	19.51
15	290082.05	2059861	11.99	1994149	16.19	1296330	19.52
16	290082.06	2038755	11.98	1973969	16.20	1242014	19.51
17	290082.07	1945501	11.98	1885765	16.18	1176848	19.52
18	290082.09	1720335	11.99	1641472	16.21	963778	19.55
19	290082.08	1783572	11.98	1486904	16.21	696994	19.54
20							
21							
22							

IS4 = PHENANTHRENE-d10 INT. STD.
IS5 = CHRYSENE-d12 INT. STD.
IS6 = PERYLENE-d12 INT. STD.

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name : ECOTEST LABS Contract: _____

Project No.: ECOTEST Site: _____ Location: _____ Group: _____

Lab File ID: 01120901.D DFTPP Injection Date: 1/12/2009

Instrument ID: SVGCMS#3 DFTPP Injection TIme: 0952

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	39.2
68	Less than 2.0% of mass 69	1.1 ( )1
69	Mass 69 relative abundance	51.5
70	Less than 2.0% of mass 69	0.5 ( )1
127	40.0 - 60.0% of mass 198	50.0
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100 % relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	17.6
365	Greater than 1% of mass 198	1.6
441	Present, but less than mass 443	72.9
442	40.0 - 100.0% of mass 198	40.6
443	17.0 - 23.0% of mass 442	19.7 ( )2

1-Value is % mass 69 2-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
30PPBSTD	BNA STD 30 PPB	01120902.D	01/12/09	10:18 AM
1PPBSTD	BNA STD 1 PPB	01120903.D	01/12/09	10:52 AM
10PPBSTD	BNA STD 10 PPB	01120904.D	01/12/09	11:24 AM
30PPBSTD	BNA QC 30 PPB	01120905.D	01/12/09	11:58 AM
30PPBSTD	BZ STD 30 PPB	01120906.D	01/12/09	12:31 PM
10PPBSTD	BZ STD 10 PPB	01120907.D	01/12/09	1:06 PM
30PPBSTD	BZ QC 30 PPB	01120908.D	01/12/09	1:42 PM
METHODBLK	BN-MB	01120909.D	01/12/09	2:16 PM
MATRIX SPK	BN MS-SOIL	01120910.D	01/12/09	2:51 PM
MATRIXSPKDP	BN-MSD-SOIL	01120911.D	01/12/09	3:26 PM
LAB CTL SMP	BN LCS-SOIL	01120912.D	01/12/09	4:01 PM
290082.01	bn smp 082.01*30	01120913.D	01/12/09	4:36 PM
290082.02	bn smp 082.02*30	01120914.D	01/12/09	5:11 PM
290082.03	bn smp 082.03*30	01120915.D	01/12/09	5:46 PM
290082.04	bn smp 082.04*30	01120916.D	01/12/09	6:20 PM
290082.05	bn smp 082.05*30	01120917.D	01/12/09	6:54 PM
290082.06	bn smp 082.06*30	01120918.D	01/12/09	7:29 PM
290082.07	bn smp 082.07*30	01120919.D	01/12/09	8:03 PM
290082.09	bn smp 082.09*30	01120920.D	01/12/09	8:37 PM
290082.08	bn smp 082.08*30	01120921.D	01/12/09	9:11 PM

SUMMARY OF QUALITY CONTROL RESULTS

ECOTEST LABORATORIES, INC.
377 SHEFFIELD AVENUE
NORTH BABYLON, NY 11703

Client Name:	GC Environmental	Analyst:	J. Aquilina
Sample Lab Numbers:	290082.01-.09	Method:	8270
Date Sample(s) Received:	1/8/2009	Analyte:	BN TCL
Date(s) of Analysis:	1/12/2009	Matrix:	Soil

Units = ug/L (water)
=ug/Kg (soil)

SVGCMS#3		LCS Crescent Chemicals		
COMPOUNDS	Lab Blank	True Value	Accept. Range	Result
Bis(2-chloroethyl)ether	<30	30	17–28	26.0
1,3 Dichlorobenzene	<30	30	15–27	25.3
1,4 Dichlorobenzene	<30	30	15–27	24.7
1,2 Dichlorobenzene	<30	30	15–28	24.4
Bis(2-chloroisopropyl)ether	<30	30	14–30	28.1
N-nitroso-di-n-propylamine	<30	30	18–29	26.5
Hexachloroethane	<30	30	14–26	25.1
Nitrobenzene	<30	30	16–30	24.8
Isophorone	<30	30	17–31	22.6
Bis(2-chloroethoxy)methane	<30	30	18–31	26.3
1,2,4 Trichlorobenzene	<30	30	15–30	24.2
Naphthalene	<30	30	17–29	26.4
4 Chloroaniline	<30	30	23–39	37.0
Hexachlorobutadiene	<30	30	13–29	23.6
2 Methylnaphthalene	<30	30	20–32	30.7
2 Nitroaniline	<30	30	22–44	33.5
Hexachlorocyclopentadiene	<300	30	10–28	23.1
2 Chloronaphthalene	<30	30	18–32	25.5
Dimethylphthalate	<30	30	21–34	26.1
2,6 Dinitrotoluene	<30	30	22–35	25.1
Acenaphthylene	<30	30	19–31	26.0
3 Nitroaniline	<30	30	21–42	34.2
Acenaphthene	<30	30	19–31	27.1
Dibenzofuran	<30	30	21–39	30.8
2,4 Dinitrotoluene	<30	30	20–36	28.3
Diethylphthalate	<30	30	21–34	25.3
4 Chlorophenylphenyl ether	<30	30	22–33	25.2
Fluorene	<30	30	20–31	26.5
4 Nitroaniline	<30	30	23–59	40.5
N-Nitrosodiphenylamine	<30	30	20–33	22.0
4 Bromophenylphenyl ether	<30	30	22–35	25.2
Hexachlorobenzene	<30	30	22—34	25.7
Phenanthrene	<30	30	20–33	26.5
Anthracene	<30	30	21–33	28.0
Carbazole	<30	30	21–36	27.6

Di-n-butylphthalate	<30	30	23–34	26.6		
Fluoranthene	<30	30	21–32	26.7		
Pyrene	<30	30	21–38	26.2		
Butylbenzylphthalate	<30	30	22–35	25.9		
Bis(2-ethylhexyl)phthalate	<30	30	23–34	24.9		
Benzo(a)anthracene	<30	30	20–34	24.8		
Chrysene	<30	30	20–34	25.9		
3,3' Dichlorobenzidine	<300	50	25–53	31.6		
Di-n-octyl phthalate	<30	30	21–36	22.4		
Benzo(b)fluoranthene	<30	30	20–34	25.7		
Benzo(k)fluoranthene	<30	30	20–34	26.5		
Benzo(a)pyrene	<30	30	21–34	26.1		
Dibenzo(a,h)anthracene	<30	30	19–31	25.4		
Indeno(1,2,3-cd)pyrene	<30	30	19–32	26.4		
Benzo(g,h,i)perylene	<30	30	18–31	25.9		

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Method Blank

Lab Name: ECOTEST LABORATORY Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) Soil Lab Sample ID: _____

Sample wt/vol: _____ (g/mL) _____ Lab File ID: 01120909.D

Level: (low/med) _____ Date Received: _____

% Moisture: _____ decanted: (Y/N): _____ Date Extracted: 1/9/2009

Concentrated Extract Volume: _____ (uL) Date Analyzed: 1/12/2009

Injection Volume: _____ (uL) Dilution Factor: 30.0

GPC Cleanup: (Y/N) _____ pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg)	ug/Kg	Q
95-50-1	1,2 Dichlorobenzene(sv)	30	ug/Kg	U
541-73-1	1,3 Dichlorobenzene(sv)	30	ug/Kg	U
106-46-7	1,4 Dichlorobenzene(sv)	30	ug/Kg	U
120-82-1	124-Trichlorobenzene (sv)	30	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	30	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	30	ug/Kg	U
91-58-7	2-Chloronaphthalene	30	ug/Kg	U
91-57-6	2-Methylnaphthalene	30	ug/Kg	U
88-74-4	2-Nitroaniline	30	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	300	ug/Kg	U
99-09-2	3-Nitroaniline	30	ug/Kg	U
101-55-3	4-Bromophenyl phenyl ether	30	ug/Kg	U
106-47-8	4-Chloroaniline	30	ug/Kg	U
7005-72-3	4-Chlorophenyl phenyl ether	30	ug/Kg	U
100-01-6	4-Nitroaniline	30	ug/Kg	U
83-32-9	Acenaphthene	30	ug/Kg	U
208-96-8	Acenaphthylene	30	ug/Kg	U
120-12-7	Anthracene	30	ug/Kg	U
56-55-3	Benzo(a)anthracene	30	ug/Kg	U
50-32-8	Benzo(a)pyrene	30	ug/Kg	U
205-99-2	Benzo(b)fluoranthene	30	ug/Kg	U
191-24-2	Benzo(ghi)perylene	30	ug/Kg	U
207-08-9	Benzo(k)fluoranthene	30	ug/Kg	U
85-68-7	BenzylButylPhthalate	30	ug/Kg	U
111-91-1	Bis(2-chloroethoxy)methane	30	ug/Kg	U
111-44-4	Bis(2-chloroethyl)ether	30	ug/Kg	U
108-60-1	Bis(2-chloroisopropyl)ether	30	ug/Kg	U
117-81-7	Bis(2-ethylhexyl)phthalate	30	ug/Kg	U
86-74-8	Carbazole	30	ug/Kg	U
218-01-9	Chrysene	30	ug/Kg	U
84-74-2	Di-n-Butyl Phthalate	30	ug/Kg	U
117-84-0	Di-n-octyl Phthalate	30	ug/Kg	U
53-70-3	Dibenzo(a,h)anthracene	30	ug/Kg	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Method Blank

Lab Name: ECOTEST LABORATORY Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) Soil Lab Sample ID:

Sample wt/vol: (g/mL) Lab File ID: 01120909.D

Level: (low/med) Date Received:

% Moisture: decanted: (Y/N): Date Extracted: 1/9/2009

Concentrated Extract Volume: (uL) Date Analyzed: 1/12/2009

Injection Volume: (uL) Dilution Factor: 30.0

GPC Cleanup: (Y/N) pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg)	ug/Kg	Q
132-64-9	Dibenzofuran	30	ug/Kg	U
84-66-2	Diethyl Phthalate	30	ug/Kg	U
131-11-3	Dimethyl Phthalate	30	ug/Kg	U
206-44-0	Fluoranthene	30	ug/Kg	U
86-73-7	Fluorene	30	ug/Kg	U
118-74-1	Hexachlorobenzene	30	ug/Kg	U
87-68-3	Hexachlorobutadiene	30	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	300	ug/Kg	U
67-72-1	Hexachloroethane	30	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	30	ug/Kg	U
78-59-1	Isophorone	30	ug/Kg	U
621-64-7	N-Nitrosodi-n-propylamine	30	ug/Kg	U
86-30-6	N-Nitrosodiphenylamine	30	ug/Kg	U
91-20-3	Naphthalene(sv)	30	ug/Kg	U
98-95-3	Nitrobenzene	30	ug/Kg	U
85-01-8	Phenanthrene	30	ug/Kg	U
129-00-0	Pyrene	30	ug/Kg	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

290082.01

Lab Name: ECOTEST LABORATORY Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) Soil Lab Sample ID: _____

Sample wt/vol: _____ (g/mL) _____ Lab File ID: 01120913.D

Level: (low/med) _____ Date Received: 1/8/2009

% Moisture: _____ decanted: (Y/N): _____ Date Extracted: 1/9/2009

Concentrated Extract Volume: _____ (uL) Date Analyzed: 1/12/2009

Injection Volume: _____ (uL) Dilution Factor: 30.0

GPC Cleanup: (Y/N) _____ pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg)	ug/Kg	Q
95-50-1	1,2 Dichlorobenzene(sv)	30	ug/Kg	U
541-73-1	1,3 Dichlorobenzene(sv)	30	ug/Kg	U
106-46-7	1,4 Dichlorobenzene(sv)	30	ug/Kg	U
120-82-1	124-Trichlorobenzene (sv)	30	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	30	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	30	ug/Kg	U
91-58-7	2-Chloronaphthalene	30	ug/Kg	U
91-57-6	2-Methylnaphthalene	30	ug/Kg	U
88-74-4	2-Nitroaniline	30	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	300	ug/Kg	U
99-09-2	3-Nitroaniline	30	ug/Kg	U
101-55-3	4-Bromophenyl phenyl ether	30	ug/Kg	U
106-47-8	4-Chloroaniline	30	ug/Kg	U
7005-72-3	4-Chlorophenyl phenyl ether	30	ug/Kg	U
100-01-6	4-Nitroaniline	30	ug/Kg	U
83-32-9	Acenaphthene	30	ug/Kg	U
208-96-8	Acenaphthylene	30	ug/Kg	U
120-12-7	Anthracene	30	ug/Kg	U
56-55-3	Benzo(a)anthracene	30	ug/Kg	U
50-32-8	Benzo(a)pyrene	30	ug/Kg	U
205-99-2	Benzo(b)fluoranthene	30	ug/Kg	U
191-24-2	Benzo(ghi)perylene	30	ug/Kg	U
207-08-9	Benzo(k)fluoranthene	30	ug/Kg	U
85-68-7	BenzylButylPhthalate	30	ug/Kg	U
111-91-1	Bis(2-chloroethoxy)methane	30	ug/Kg	U
111-44-4	Bis(2-chloroethyl)ether	30	ug/Kg	U
108-60-1	Bis(2-chloroisopropyl)ether	30	ug/Kg	U
117-81-7	Bis(2-ethylhexyl)phthalate	30	ug/Kg	U
86-74-8	Carbazole	30	ug/Kg	U
218-01-9	Chrysene	30	ug/Kg	U
84-74-2	Di-n-Butyl Phthalate	30	ug/Kg	U
117-84-0	Di-n-octyl Phthalate	30	ug/Kg	U
53-70-3	Dibenzo(a,h)anthracene	30	ug/Kg	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

290082.01

Lab Name: ECOTEST LABORATORY Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) Soil Lab Sample ID: _____

Sample wt/vol: _____ (g/mL) _____ Lab File ID: 01120913.D

Level: (low/med) _____ Date Received: 1/8/2009

% Moisture: _____ decanted: (Y/N): _____ Date Extracted: 1/9/2009

Concentrated Extract Volume: _____ (uL) Date Analyzed: 1/12/2009

Injection Volume: _____ (uL) Dilution Factor: 30.0

GPC Cleanup: (Y/N) _____ pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg)	ug/Kg	Q
132-64-9	Dibenzofuran	30	ug/Kg	U
84-66-2	Diethyl Phthalate	30	ug/Kg	U
131-11-3	Dimethyl Phthalate	30	ug/Kg	U
206-44-0	Fluoranthene	30	ug/Kg	U
86-73-7	Fluorene	30	ug/Kg	U
118-74-1	Hexachlorobenzene	30	ug/Kg	U
87-68-3	Hexachlorobutadiene	30	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	300	ug/Kg	U
67-72-1	Hexachloroethane	30	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	30	ug/Kg	U
78-59-1	Isophorone	30	ug/Kg	U
621-64-7	N-Nitrosodi-n-propylamine	30	ug/Kg	U
86-30-6	N-Nitrosodiphenylamine	30	ug/Kg	U
91-20-3	Naphthalene(sv)	30	ug/Kg	U
98-95-3	Nitrobenzene	30	ug/Kg	U
85-01-8	Phenanthrene	30	ug/Kg	U
129-00-0	Pyrene	30	ug/Kg	U

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

290082.02

Lab Name: ECOTEST LABORATORY Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) soil Lab Sample ID: _____

Sample wt/vol: _____ (g/mL) _____ Lab File ID: 01120914.D

Level: (low/med) _____ Date Received: 1/8/2009

% Moisture: _____ decanted: (Y/N): _____ Date Extracted: 1/9/2009

Concentrated Extract Volume: _____ (uL) Date Analyzed: 1/12/2009

Injection Volume: _____ (uL) Dilution Factor: 30.0

GPC Cleanup: (Y/N) _____ pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg)	ug/Kg	Q
95-50-1	1,2 Dichlorobenzene(sv)	30	ug/Kg	U
541-73-1	1,3 Dichlorobenzene(sv)	30	ug/Kg	U
106-46-7	1,4 Dichlorobenzene(sv)	30	ug/Kg	U
120-82-1	124-Trichlorobenzene (sv)	30	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	30	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	30	ug/Kg	U
91-58-7	2-Chloronaphthalene	30	ug/Kg	U
91-57-6	2-Methylnaphthalene	30	ug/Kg	U
88-74-4	2-Nitroaniline	30	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	300	ug/Kg	U
99-09-2	3-Nitroaniline	30	ug/Kg	U
101-55-3	4-Bromophenyl phenyl ether	30	ug/Kg	U
106-47-8	4-Chloroaniline	30	ug/Kg	U
7005-72-3	4-Chlorophenyl phenyl ether	30	ug/Kg	U
100-01-6	4-Nitroaniline	30	ug/Kg	U
83-32-9	Acenaphthene	30	ug/Kg	U
208-96-8	Acenaphthylene	30	ug/Kg	U
120-12-7	Anthracene	30	ug/Kg	U
56-55-3	Benzo(a)anthracene	30	ug/Kg	U
50-32-8	Benzo(a)pyrene	30	ug/Kg	U
205-99-2	Benzo(b)fluoranthene	30	ug/Kg	U
191-24-2	Benzo(ghi)perylene	30	ug/Kg	U
207-08-9	Benzo(k)fluoranthene	30	ug/Kg	U
85-68-7	BenzylButylPhthalate	30	ug/Kg	U
111-91-1	Bis(2-chloroethoxy)methane	30	ug/Kg	U
111-44-4	Bis(2-chloroethyl)ether	30	ug/Kg	U
108-60-1	Bis(2-chloroisopropyl)ether	30	ug/Kg	U
117-81-7	Bis(2-ethylhexyl)phthalate	30	ug/Kg	U
86-74-8	Carbazole	30	ug/Kg	U
218-01-9	Chrysene	30	ug/Kg	U
84-74-2	Di-n-Butyl Phthalate	30	ug/Kg	U
117-84-0	Di-n-octyl Phthalate	30	ug/Kg	U
53-70-3	Dibenzo(a,h)anthracene	30	ug/Kg	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

290082.02

Lab Name: ECOTEST LABORATORY Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) soil Lab Sample ID: _____

Sample wt/vol: _____ (g/mL) _____ Lab File ID: 01120914.D

Level: (low/med) _____ Date Received: 1/8/2009

% Moisture: _____ decanted: (Y/N): _____ Date Extracted: 1/9/2009

Concentrated Extract Volume: _____ (uL) Date Analyzed: 1/12/2009

Injection Volume: _____ (uL) Dilution Factor: 30.0

GPC Cleanup: (Y/N) _____ pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg)	ug/Kg	Q
132-64-9	Dibenzofuran	30	ug/Kg	U
84-66-2	Diethyl Phthalate	30	ug/Kg	U
131-11-3	Dimethyl Phthalate	30	ug/Kg	U
206-44-0	Fluoranthene	30	ug/Kg	U
86-73-7	Fluorene	30	ug/Kg	U
118-74-1	Hexachlorobenzene	30	ug/Kg	U
87-68-3	Hexachlorobutadiene	30	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	300	ug/Kg	U
67-72-1	Hexachloroethane	30	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	30	ug/Kg	U
78-59-1	Isophorone	30	ug/Kg	U
621-64-7	N-Nitrosodi-n-propylamine	30	ug/Kg	U
86-30-6	N-Nitrosodiphenylamine	30	ug/Kg	U
91-20-3	Naphthalene(sv)	30	ug/Kg	U
98-95-3	Nitrobenzene	30	ug/Kg	U
85-01-8	Phenanthrene	30	ug/Kg	U
129-00-0	Pyrene	30	ug/Kg	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

290082.03

Lab Name: ECOTEST LABORATORY Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) soil Lab Sample ID:

Sample wt/vol: (g/mL) Lab File ID: 01120915.D

Level: (low/med) Date Received: 1/8/2009

% Moisture: decanted: (Y/N): Date Extracted: 1/9/2009

Concentrated Extract Volume: (uL) Date Analyzed: 1/12/2009

Injection Volume: (uL) Dilution Factor: 30.0

GPC Cleanup: (Y/N) pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg)	ug/Kg	Q
95-50-1	1,2 Dichlorobenzene(sv)	30	ug/Kg	U
541-73-1	1,3 Dichlorobenzene(sv)	30	ug/Kg	U
106-46-7	1,4 Dichlorobenzene(sv)	30	ug/Kg	U
120-82-1	124-Trichlorobenzene (sv)	30	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	30	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	30	ug/Kg	U
91-58-7	2-Chloronaphthalene	30	ug/Kg	U
91-57-6	2-Methylnaphthalene	30	ug/Kg	U
88-74-4	2-Nitroaniline	30	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	300	ug/Kg	U
99-09-2	3-Nitroaniline	30	ug/Kg	U
101-55-3	4-Bromophenyl phenyl ether	30	ug/Kg	U
106-47-8	4-Chloroaniline	30	ug/Kg	U
7005-72-3	4-Chlorophenyl phenyl ether	30	ug/Kg	U
100-01-6	4-Nitroaniline	30	ug/Kg	U
83-32-9	Acenaphthene	30	ug/Kg	U
208-96-8	Acenaphthylene	30	ug/Kg	U
120-12-7	Anthracene	30	ug/Kg	U
56-55-3	Benzo(a)anthracene	30	ug/Kg	U
50-32-8	Benzo(a)pyrene	30	ug/Kg	U
205-99-2	Benzo(b)fluoranthene	30	ug/Kg	U
191-24-2	Benzo(ghi)perylene	30	ug/Kg	U
207-08-9	Benzo(k)fluoranthene	30	ug/Kg	U
85-68-7	BenzylButylPhthalate	30	ug/Kg	U
111-91-1	Bis(2-chloroethoxy)methane	30	ug/Kg	U
111-44-4	Bis(2-chloroethyl)ether	30	ug/Kg	U
108-60-1	Bis(2-chloroisopropyl)ether	30	ug/Kg	U
117-81-7	Bis(2-ethylhexyl)phthalate	30	ug/Kg	U
86-74-8	Carbazole	30	ug/Kg	U
218-01-9	Chrysene	30	ug/Kg	U
84-74-2	Di-n-Butyl Phthalate	30	ug/Kg	U
117-84-0	Di-n-octyl Phthalate	30	ug/Kg	U
53-70-3	Dibenzo(a,h)anthracene	30	ug/Kg	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

290082.03

Lab Name: ECOTEST LABORATORY Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) soil Lab Sample ID:

Sample wt/vol: (g/mL) Lab File ID: 01120915.D

Level: (low/med) Date Received: 1/8/2009

% Moisture: decanted: (Y/N): Date Extracted: 1/9/2009

Concentrated Extract Volume: (uL) Date Analyzed: 1/12/2009

Injection Volume: (uL) Dilution Factor: 30.0

GPC Cleanup: (Y/N) pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg)	ug/Kg	Q
132-64-9	Dibenzofuran	30	ug/Kg	U
84-66-2	Diethyl Phthalate	30	ug/Kg	U
131-11-3	Dimethyl Phthalate	30	ug/Kg	U
206-44-0	Fluoranthene	30	ug/Kg	U
86-73-7	Fluorene	30	ug/Kg	U
118-74-1	Hexachlorobenzene	30	ug/Kg	U
87-68-3	Hexachlorobutadiene	30	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	300	ug/Kg	U
67-72-1	Hexachloroethane	30	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	30	ug/Kg	U
78-59-1	Isophorone	30	ug/Kg	U
621-64-7	N-Nitrosodi-n-propylamine	30	ug/Kg	U
86-30-6	N-Nitrosodiphenylamine	30	ug/Kg	U
91-20-3	Naphthalene(sv)	30	ug/Kg	U
98-95-3	Nitrobenzene	30	ug/Kg	U
85-01-8	Phenanthrene	30	ug/Kg	U
129-00-0	Pyrene	30	ug/Kg	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

290082.04

Lab Name: ECOTEST LABORATORY Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) soil Lab Sample ID: _____

Sample wt/vol: _____ (g/mL) _____ Lab File ID: 01120916.D

Level: (low/med) _____ Date Received: 1/8/2009

% Moisture: _____ decanted: (Y/N): _____ Date Extracted: 1/9/2009

Concentrated Extract Volume: _____ (uL) Date Analyzed: 1/12/2009

Injection Volume: _____ (uL) Dilution Factor: 30.0

GPC Cleanup: (Y/N) _____ pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg		Q
95-50-1	1,2 Dichlorobenzene(sv)	30	ug/Kg	U
541-73-1	1,3 Dichlorobenzene(sv)	30	ug/Kg	U
106-46-7	1,4 Dichlorobenzene(sv)	30	ug/Kg	U
120-82-1	124-Trichlorobenzene (sv)	30	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	30	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	30	ug/Kg	U
91-58-7	2-Chloronaphthalene	30	ug/Kg	U
91-57-6	2-Methylnaphthalene	30	ug/Kg	U
88-74-4	2-Nitroaniline	30	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	300	ug/Kg	U
99-09-2	3-Nitroaniline	30	ug/Kg	U
101-55-3	4-Bromophenyl phenyl ether	30	ug/Kg	U
106-47-8	4-Chloroaniline	30	ug/Kg	U
7005-72-3	4-Chlorophenyl phenyl ether	30	ug/Kg	U
100-01-6	4-Nitroaniline	30	ug/Kg	U
83-32-9	Acenaphthene	30	ug/Kg	U
208-96-8	Acenaphthylene	30	ug/Kg	U
120-12-7	Anthracene	30	ug/Kg	U
56-55-3	Benzo(a)anthracene	30	ug/Kg	U
50-32-8	Benzo(a)pyrene	30	ug/Kg	U
205-99-2	Benzo(b)fluoranthene	30	ug/Kg	U
191-24-2	Benzo(ghi)perylene	30	ug/Kg	U
207-08-9	Benzo(k)fluoranthene	30	ug/Kg	U
85-68-7	BenzylButylPhthalate	30	ug/Kg	U
111-91-1	Bis(2-chloroethoxy)methane	30	ug/Kg	U
111-44-4	Bis(2-chloroethyl)ether	30	ug/Kg	U
108-60-1	Bis(2-chloroisopropyl)ether	30	ug/Kg	U
117-81-7	Bis(2-ethylhexyl)phthalate	30	ug/Kg	U
86-74-8	Carbazole	30	ug/Kg	U
218-01-9	Chrysene	30	ug/Kg	U
84-74-2	Di-n-Butyl Phthalate	30	ug/Kg	U
117-84-0	Di-n-octyl Phthalate	30	ug/Kg	U
53-70-3	Dibenzo(a,h)anthracene	30	ug/Kg	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

290082.04

Lab Name: ECOTEST LABORATORY Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) soil Lab Sample ID: _____

Sample wt/vol: _____ (g/mL) _____ Lab File ID: 01120916.D

Level: (low/med) _____ Date Received: 1/8/2009

% Moisture: _____ decanted: (Y/N): _____ Date Extracted: 1/9/2009

Concentrated Extract Volume: _____ (uL) Date Analyzed: 1/12/2009

Injection Volume: _____ (uL) Dilution Factor: 30.0

GPC Cleanup: (Y/N) _____ pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg		Q
132-64-9	Dibenzofuran	30	ug/Kg	U
84-66-2	Diethyl Phthalate	30	ug/Kg	U
131-11-3	Dimethyl Phthalate	30	ug/Kg	U
206-44-0	Fluoranthene	30	ug/Kg	U
86-73-7	Fluorene	30	ug/Kg	U
118-74-1	Hexachlorobenzene	30	ug/Kg	U
87-68-3	Hexachlorobutadiene	30	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	300	ug/Kg	U
67-72-1	Hexachloroethane	30	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	30	ug/Kg	U
78-59-1	Isophorone	30	ug/Kg	U
621-64-7	N-Nitrosodi-n-propylamine	30	ug/Kg	U
86-30-6	N-Nitrosodiphenylamine	30	ug/Kg	U
91-20-3	Naphthalene(sv)	30	ug/Kg	U
98-95-3	Nitrobenzene	30	ug/Kg	U
85-01-8	Phenanthrene	30	ug/Kg	U
129-00-0	Pyrene	30	ug/Kg	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

290082.05

Lab Name: ECOTEST LABORATORY Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) soil Lab Sample ID: _____

Sample wt/vol: _____ (g/mL) _____ Lab File ID: 01120917.D

Level: (low/med) _____ Date Received: 1/8/2009

% Moisture: _____ decanted: (Y/N): _____ Date Extracted: 1/9/2009

Concentrated Extract Volume: _____ (uL) Date Analyzed: 1/12/2009

Injection Volume: _____ (uL) Dilution Factor: 30.0

GPC Cleanup: (Y/N) _____ pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg)	ug/Kg	Q
95-50-1	1,2 Dichlorobenzene(sv)	30	ug/Kg	U
541-73-1	1,3 Dichlorobenzene(sv)	30	ug/Kg	U
106-46-7	1,4 Dichlorobenzene(sv)	30	ug/Kg	U
120-82-1	124-Trichlorobenzene (sv)	30	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	30	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	30	ug/Kg	U
91-58-7	2-Chloronaphthalene	30	ug/Kg	U
91-57-6	2-Methylnaphthalene	30	ug/Kg	U
88-74-4	2-Nitroaniline	30	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	300	ug/Kg	U
99-09-2	3-Nitroaniline	30	ug/Kg	U
101-55-3	4-Bromophenyl phenyl ether	30	ug/Kg	U
106-47-8	4-Chloroaniline	30	ug/Kg	U
7005-72-3	4-Chlorophenyl phenyl ether	30	ug/Kg	U
100-01-6	4-Nitroaniline	30	ug/Kg	U
83-32-9	Acenaphthene	30	ug/Kg	U
208-96-8	Acenaphthylene	30	ug/Kg	U
120-12-7	Anthracene	30	ug/Kg	U
56-55-3	Benzo(a)anthracene	30	ug/Kg	U
50-32-8	Benzo(a)pyrene	30	ug/Kg	U
205-99-2	Benzo(b)fluoranthene	30	ug/Kg	U
191-24-2	Benzo(ghi)perylene	30	ug/Kg	U
207-08-9	Benzo(k)fluoranthene	30	ug/Kg	U
85-68-7	BenzylButylPhthalate	30	ug/Kg	U
111-91-1	Bis(2-chloroethoxy)methane	30	ug/Kg	U
111-44-4	Bis(2-chloroethyl)ether	30	ug/Kg	U
108-60-1	Bis(2-chloroisopropyl)ether	30	ug/Kg	U
117-81-7	Bis(2-ethylhexyl)phthalate	30	ug/Kg	U
86-74-8	Carbazole	30	ug/Kg	U
218-01-9	Chrysene	30	ug/Kg	U
84-74-2	Di-n-Butyl Phthalate	30	ug/Kg	U
117-84-0	Di-n-octyl Phthalate	30	ug/Kg	U
53-70-3	Dibenzo(a,h)anthracene	30	ug/Kg	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

290082.05

Lab Name: ECOTEST LABORATORY Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) soil Lab Sample ID: _____

Sample wt/vol: _____ (g/mL) _____ Lab File ID: 01120917.D

Level: (low/med) _____ Date Received: 1/8/2009

% Moisture: _____ decanted: (Y/N): _____ Date Extracted: 1/9/2009

Concentrated Extract Volume: _____ (uL) Date Analyzed: 1/12/2009

Injection Volume: _____ (uL) Dilution Factor: 30.0

GPC Cleanup: (Y/N) _____ pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg)	ug/Kg	Q
132-64-9	Dibenzofuran	30	ug/Kg	U
84-66-2	Diethyl Phthalate	30	ug/Kg	U
131-11-3	Dimethyl Phthalate	30	ug/Kg	U
206-44-0	Fluoranthene	30	ug/Kg	U
86-73-7	Fluorene	30	ug/Kg	U
118-74-1	Hexachlorobenzene	30	ug/Kg	U
87-68-3	Hexachlorobutadiene	30	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	300	ug/Kg	U
67-72-1	Hexachloroethane	30	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	30	ug/Kg	U
78-59-1	Isophorone	30	ug/Kg	U
621-64-7	N-Nitrosodi-n-propylamine	30	ug/Kg	U
86-30-6	N-Nitrosodiphenylamine	30	ug/Kg	U
91-20-3	Naphthalene(sv)	30	ug/Kg	U
98-95-3	Nitrobenzene	30	ug/Kg	U
85-01-8	Phenanthrene	30	ug/Kg	U
129-00-0	Pyrene	30	ug/Kg	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

290082.06

Lab Name: ECOTEST LABORATORY Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) Soil Lab Sample ID:

Sample wt/vol: (g/mL) Lab File ID: 01120918.D

Level: (low/med) Date Received: 1/8/2009

% Moisture: decanted: (Y/N): Date Extracted: 1/9/2009

Concentrated Extract Volume: (uL) Date Analyzed: 1/12/2009

Injection Volume: (uL) Dilution Factor: 30.0

GPC Cleanup: (Y/N) pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg)	ug/Kg	Q
95-50-1	1,2 Dichlorobenzene(sv)	30	ug/Kg	U
541-73-1	1,3 Dichlorobenzene(sv)	30	ug/Kg	U
106-46-7	1,4 Dichlorobenzene(sv)	30	ug/Kg	U
120-82-1	124-Trichlorobenzene (sv)	30	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	30	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	30	ug/Kg	U
91-58-7	2-Chloronaphthalene	30	ug/Kg	U
91-57-6	2-Methylnaphthalene	30	ug/Kg	U
88-74-4	2-Nitroaniline	30	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	300	ug/Kg	U
99-09-2	3-Nitroaniline	30	ug/Kg	U
101-55-3	4-Bromophenyl phenyl ether	30	ug/Kg	U
106-47-8	4-Chloroaniline	30	ug/Kg	U
7005-72-3	4-Chlorophenyl phenyl ether	30	ug/Kg	U
100-01-6	4-Nitroaniline	30	ug/Kg	U
83-32-9	Acenaphthene	30	ug/Kg	U
208-96-8	Acenaphthylene	30	ug/Kg	U
120-12-7	Anthracene	30	ug/Kg	U
56-55-3	Benzo(a)anthracene	30	ug/Kg	U
50-32-8	Benzo(a)pyrene	30	ug/Kg	U
205-99-2	Benzo(b)fluoranthene	30	ug/Kg	U
191-24-2	Benzo(ghi)perylene	30	ug/Kg	U
207-08-9	Benzo(k)fluoranthene	30	ug/Kg	U
85-68-7	BenzylButylPhthalate	30	ug/Kg	U
111-91-1	Bis(2-chloroethoxy)methane	30	ug/Kg	U
111-44-4	Bis(2-chloroethyl)ether	30	ug/Kg	U
108-60-1	Bis(2-chloroisopropyl)ether	30	ug/Kg	U
117-81-7	Bis(2-ethylhexyl)phthalate	30	ug/Kg	U
86-74-8	Carbazole	30	ug/Kg	U
218-01-9	Chrysene	30	ug/Kg	U
84-74-2	Di-n-Butyl Phthalate	30	ug/Kg	U
117-84-0	Di-n-octyl Phthalate	30	ug/Kg	U
53-70-3	Dibenzo(a,h)anthracene	30	ug/Kg	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

290082.06

Lab Name: ECOTEST LABORATORY Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) soil Lab Sample ID:

Sample wt/vol: (g/mL) Lab File ID: 01120918.D

Level: (low/med) Date Received: 1/8/2009

% Moisture: decanted: (Y/N): Date Extracted: 1/9/2009

Concentrated Extract Volume: (uL) Date Analyzed: 1/12/2009

Injection Volume: (uL) Dilution Factor: 30.0

GPC Cleanup: (Y/N) pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg)	ug/Kg	Q
132-64-9	Dibenzofuran	30	ug/Kg	U
84-66-2	Diethyl Phthalate	30	ug/Kg	U
131-11-3	Dimethyl Phthalate	30	ug/Kg	U
206-44-0	Fluoranthene	30	ug/Kg	U
86-73-7	Fluorene	30	ug/Kg	U
118-74-1	Hexachlorobenzene	30	ug/Kg	U
87-68-3	Hexachlorobutadiene	30	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	300	ug/Kg	U
67-72-1	Hexachloroethane	30	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	30	ug/Kg	U
78-59-1	Isophorone	30	ug/Kg	U
621-64-7	N-Nitrosodi-n-propylamine	30	ug/Kg	U
86-30-6	N-Nitrosodiphenylamine	30	ug/Kg	U
91-20-3	Naphthalene(sv)	30	ug/Kg	U
98-95-3	Nitrobenzene	30	ug/Kg	U
85-01-8	Phenanthrene	30	ug/Kg	U
129-00-0	Pyrene	30	ug/Kg	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

290082.07

Lab Name: ECOTEST LABORATORY Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) Soil Lab Sample ID: _____

Sample wt/vol: _____ (g/mL) _____ Lab File ID: 01120919.D

Level: (low/med) _____ Date Received: 1/8/2009

% Moisture: _____ decanted: (Y/N): _____ Date Extracted: 1/9/2009

Concentrated Extract Volume: _____ (uL) Date Analyzed: 1/12/2009

Injection Volume: _____ (uL) Dilution Factor: 30.0

GPC Cleanup: (Y/N) _____ pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg		Q
95-50-1	1,2 Dichlorobenzene(sv)	30	ug/Kg	U
541-73-1	1,3 Dichlorobenzene(sv)	30	ug/Kg	U
106-46-7	1,4 Dichlorobenzene(sv)	30	ug/Kg	U
120-82-1	124-Trichlorobenzene (sv)	30	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	30	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	30	ug/Kg	U
91-58-7	2-Chloronaphthalene	30	ug/Kg	U
91-57-6	2-Methylnaphthalene	30	ug/Kg	U
88-74-4	2-Nitroaniline	30	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	300	ug/Kg	U
99-09-2	3-Nitroaniline	30	ug/Kg	U
101-55-3	4-Bromophenyl phenyl ether	30	ug/Kg	U
106-47-8	4-Chloroaniline	30	ug/Kg	U
7005-72-3	4-Chlorophenyl phenyl ether	30	ug/Kg	U
100-01-6	4-Nitroaniline	30	ug/Kg	U
83-32-9	Acenaphthene	30	ug/Kg	U
208-96-8	Acenaphthylene	30	ug/Kg	U
120-12-7	Anthracene	30	ug/Kg	U
56-55-3	Benzo(a)anthracene	30	ug/Kg	U
50-32-8	Benzo(a)pyrene	30	ug/Kg	U
205-99-2	Benzo(b)fluoranthene	30	ug/Kg	U
191-24-2	Benzo(ghi)perylene	30	ug/Kg	U
207-08-9	Benzo(k)fluoranthene	30	ug/Kg	U
85-68-7	BenzylButylPhthalate	30	ug/Kg	U
111-91-1	Bis(2-chloroethoxy)methane	30	ug/Kg	U
111-44-4	Bis(2-chloroethyl)ether	30	ug/Kg	U
108-60-1	Bis(2-chloroisopropyl)ether	30	ug/Kg	U
117-81-7	Bis(2-ethylhexyl)phthalate	30	ug/Kg	U
86-74-8	Carbazole	30	ug/Kg	U
218-01-9	Chrysene	30	ug/Kg	U
84-74-2	Di-n-Butyl Phthalate	30	ug/Kg	U
117-84-0	Di-n-octyl Phthalate	30	ug/Kg	U
53-70-3	Dibenzo(a,h)anthracene	30	ug/Kg	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

290082.07

Lab Name: ECOTEST LABORATORY Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) Soil Lab Sample ID: _____

Sample wt/vol: _____ (g/mL) _____ Lab File ID: 01120919.D

Level: (low/med) _____ Date Received: 1/8/2009

% Moisture: _____ decanted: (Y/N): _____ Date Extracted: 1/9/2009

Concentrated Extract Volume: _____ (uL) Date Analyzed: 1/12/2009

Injection Volume: _____ (uL) Dilution Factor: 30.0

GPC Cleanup: (Y/N) _____ pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg)	ug/Kg	Q
132-64-9	Dibenzofuran	30	ug/Kg	U
84-66-2	Diethyl Phthalate	30	ug/Kg	U
131-11-3	Dimethyl Phthalate	30	ug/Kg	U
206-44-0	Fluoranthene	30	ug/Kg	U
86-73-7	Fluorene	30	ug/Kg	U
118-74-1	Hexachlorobenzene	30	ug/Kg	U
87-68-3	Hexachlorobutadiene	30	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	300	ug/Kg	U
67-72-1	Hexachloroethane	30	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	30	ug/Kg	U
78-59-1	Isophorone	30	ug/Kg	U
621-64-7	N-Nitrosodi-n-propylamine	30	ug/Kg	U
86-30-6	N-Nitrosodiphenylamine	30	ug/Kg	U
91-20-3	Naphthalene(sv)	30	ug/Kg	U
98-95-3	Nitrobenzene	30	ug/Kg	U
85-01-8	Phenanthrene	30	ug/Kg	U
129-00-0	Pyrene	30	ug/Kg	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

290082.08

Lab Name: ECOTEST LABORATORY Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) Soil Lab Sample ID: _____

Sample wt/vol: _____ (g/mL) _____ Lab File ID: 01120921.D

Level: (low/med) _____ Date Received: 1/8/2009

% Moisture: _____ decanted: (Y/N): _____ Date Extracted: 1/9/2009

Concentrated Extract Volume: _____ (uL) Date Analyzed: 1/12/2009

Injection Volume: _____ (uL) Dilution Factor: 30.0

GPC Cleanup: (Y/N) _____ pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg		Q
95-50-1	1,2 Dichlorobenzene(sv)	220	ug/Kg	
541-73-1	1,3 Dichlorobenzene(sv)	30	ug/Kg	U
106-46-7	1,4 Dichlorobenzene(sv)	30	ug/Kg	U
120-82-1	124-Trichlorobenzene (sv)	30	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	30	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	30	ug/Kg	U
91-58-7	2-Chloronaphthalene	30	ug/Kg	U
91-57-6	2-Methylnaphthalene	43	ug/Kg	
88-74-4	2-Nitroaniline	30	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	300	ug/Kg	U
99-09-2	3-Nitroaniline	30	ug/Kg	U
101-55-3	4-Bromophenyl phenyl ether	30	ug/Kg	U
106-47-8	4-Chloroaniline	30	ug/Kg	U
7005-72-3	4-Chlorophenyl phenyl ether	30	ug/Kg	U
100-01-6	4-Nitroaniline	30	ug/Kg	U
83-32-9	Acenaphthene	30	ug/Kg	U
208-96-8	Acenaphthylene	30	ug/Kg	U
120-12-7	Anthracene	30	ug/Kg	U
56-55-3	Benzo(a)anthracene	33	ug/Kg	
50-32-8	Benzo(a)pyrene	30	ug/Kg	U
205-99-2	Benzo(b)fluoranthene	38	ug/Kg	
191-24-2	Benzo(ghi)perylene	90	ug/Kg	
207-08-9	Benzo(k)fluoranthene	33	ug/Kg	
85-68-7	BenzylButylPhthalate	30	ug/Kg	U
111-91-1	Bis(2-chloroethoxy)methane	30	ug/Kg	U
111-44-4	Bis(2-chloroethyl)ether	30	ug/Kg	U
108-60-1	Bis(2-chloroisopropyl)ether	30	ug/Kg	U
117-81-7	Bis(2-ethylhexyl)phthalate	30	ug/Kg	U
86-74-8	Carbazole	30	ug/Kg	U
218-01-9	Chrysene	44	ug/Kg	
84-74-2	Di-n-Butyl Phthalate	30	ug/Kg	U
117-84-0	Di-n-octyl Phthalate	30	ug/Kg	U
53-70-3	Dibenzo(a,h)anthracene	30	ug/Kg	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

290082.08

Lab Name: ECOTEST LABORATORY Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) Soil Lab Sample ID: _____

Sample wt/vol: _____ (g/mL) _____ Lab File ID: 01120921.D

Level: (low/med) _____ Date Received: 1/8/2009

% Moisture: _____ decanted: (Y/N): _____ Date Extracted: 1/9/2009

Concentrated Extract Volume: _____ (uL) Date Analyzed: 1/12/2009

Injection Volume: _____ (uL) Dilution Factor: 30.0

GPC Cleanup: (Y/N) _____ pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg)	ug/Kg	Q
132-64-9	Dibenzofuran	30	ug/Kg	U
84-66-2	Diethyl Phthalate	30	ug/Kg	U
131-11-3	Dimethyl Phthalate	30	ug/Kg	U
206-44-0	Fluoranthene	62	ug/Kg	
86-73-7	Fluorene	30	ug/Kg	U
118-74-1	Hexachlorobenzene	30	ug/Kg	U
87-68-3	Hexachlorobutadiene	30	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	300	ug/Kg	U
67-72-1	Hexachloroethane	30	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	33	ug/Kg	
78-59-1	Isophorone	30	ug/Kg	U
621-64-7	N-Nitrosodi-n-propylamine	30	ug/Kg	U
86-30-6	N-Nitrosodiphenylamine	30	ug/Kg	U
91-20-3	Naphthalene(sv)	42	ug/Kg	
98-95-3	Nitrobenzene	30	ug/Kg	U
85-01-8	Phenanthrene	52	ug/Kg	
129-00-0	Pyrene	65	ug/Kg	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

290082.09

Lab Name: ECOTEST LABORATORY Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) Soil Lab Sample ID:

Sample wt/vol: (g/mL) Lab File ID: 01120920.D

Level: (low/med) Date Received: 1/8/2009

% Moisture: decanted: (Y/N): Date Extracted: 1/9/2009

Concentrated Extract Volume: (uL) Date Analyzed: 1/12/2009

Injection Volume: (uL) Dilution Factor: 30.0

GPC Cleanup: (Y/N) pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg		Q
95-50-1	1,2 Dichlorobenzene(sv)	360	ug/Kg	
541-73-1	1,3 Dichlorobenzene(sv)	30	ug/Kg	U
106-46-7	1,4 Dichlorobenzene(sv)	30	ug/Kg	U
120-82-1	124-Trichlorobenzene (sv)	30	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	30	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	30	ug/Kg	U
91-58-7	2-Chloronaphthalene	30	ug/Kg	U
91-57-6	2-Methylnaphthalene	30	ug/Kg	U
88-74-4	2-Nitroaniline	30	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	300	ug/Kg	U
99-09-2	3-Nitroaniline	30	ug/Kg	U
101-55-3	4-Bromophenyl phenyl ether	30	ug/Kg	U
106-47-8	4-Chloroaniline	30	ug/Kg	U
7005-72-3	4-Chlorophenyl phenyl ether	30	ug/Kg	U
100-01-6	4-Nitroaniline	30	ug/Kg	U
83-32-9	Acenaphthene	30	ug/Kg	U
208-96-8	Acenaphthylene	30	ug/Kg	U
120-12-7	Anthracene	30	ug/Kg	U
56-55-3	Benzo(a)anthracene	30	ug/Kg	U
50-32-8	Benzo(a)pyrene	30	ug/Kg	U
205-99-2	Benzo(b)fluoranthene	30	ug/Kg	U
191-24-2	Benzo(ghi)perylene	30	ug/Kg	U
207-08-9	Benzo(k)fluoranthene	30	ug/Kg	U
85-68-7	BenzylButylPhthalate	30	ug/Kg	U
111-91-1	Bis(2-chloroethoxy)methane	30	ug/Kg	U
111-44-4	Bis(2-chloroethyl)ether	30	ug/Kg	U
108-60-1	Bis(2-chloroisopropyl)ether	30	ug/Kg	U
117-81-7	Bis(2-ethylhexyl)phthalate	30	ug/Kg	U
86-74-8	Carbazole	30	ug/Kg	U
218-01-9	Chrysene	30	ug/Kg	U
84-74-2	Di-n-Butyl Phthalate	30	ug/Kg	U
117-84-0	Di-n-octyl Phthalate	30	ug/Kg	U
53-70-3	Dibenzo(a,h)anthracene	30	ug/Kg	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

290082.09

Lab Name: ECOTEST LABORATORY Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) Soil Lab Sample ID:

Sample wt/vol: (g/mL) Lab File ID: 01120920.D

Level: (low/med) Date Received: 1/8/2009

% Moisture: decanted: (Y/N): Date Extracted: 1/9/2009

Concentrated Extract Volume: (uL) Date Analyzed: 1/12/2009

Injection Volume: (uL) Dilution Factor: 30.0

GPC Cleanup: (Y/N) pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg)	ug/Kg	Q
132-64-9	Dibenzofuran	30	ug/Kg	U
84-66-2	Diethyl Phthalate	30	ug/Kg	U
131-11-3	Dimethyl Phthalate	30	ug/Kg	U
206-44-0	Fluoranthene	37	ug/Kg	
86-73-7	Fluorene	30	ug/Kg	U
118-74-1	Hexachlorobenzene	30	ug/Kg	U
87-68-3	Hexachlorobutadiene	30	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	300	ug/Kg	U
67-72-1	Hexachloroethane	30	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	30	ug/Kg	U
78-59-1	Isophorone	30	ug/Kg	U
621-64-7	N-Nitrosodi-n-propylamine	30	ug/Kg	U
86-30-6	N-Nitrosodiphenylamine	30	ug/Kg	U
91-20-3	Naphthalene(sv)	30	ug/Kg	U
98-95-3	Nitrobenzene	30	ug/Kg	U
85-01-8	Phenanthrene	30	ug/Kg	U
129-00-0	Pyrene	55	ug/Kg	

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

290082.01

Lab Name: ECO-TEST LABS Contract: ____

Project No.: ____ Site: ____ Location: ____ Group: ____

Matrix: (soil/water) ____ Lab Sample ID: ____

Sample wt/vol: ____ (g/mL) ____ Lab File ID: 01120913.D

Level: (low/med) ____ Date Received: 1/8/09

% Moisture: ____ decanted: (Y/N) ____ Date Extracted: 1/9/09

Concentrated Extract Volume: ____ (uL) Date Analyzed: 1/12/09

Injection Volume: ____ (uL) Dilution Factor: 30.0

GPC Cleanup: (Y/N) ____ pH: ____

Number TICs found: 3 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 141-79-7	3-Penten-2-one, 4-methyl-	4.47	890	J
2. 123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.13	26000	J
3. 57-10-3	n-Hexadecanoic acid	12.69	260	J

FORM I SV-TIC 3/90

Library Search Compound Report

Data Path : C:\MSDChem\1\DATA\jan09\011209\
Data File : 01120913.D
Acq On : 12 Jan 2009 4:36 pm
Operator : J. Aquilina
Sample : bn smp 082.01*30 33g tcl
Misc : 1/9/09
ALS Vial : 14 Sample Multiplier: 1

Quant Title :

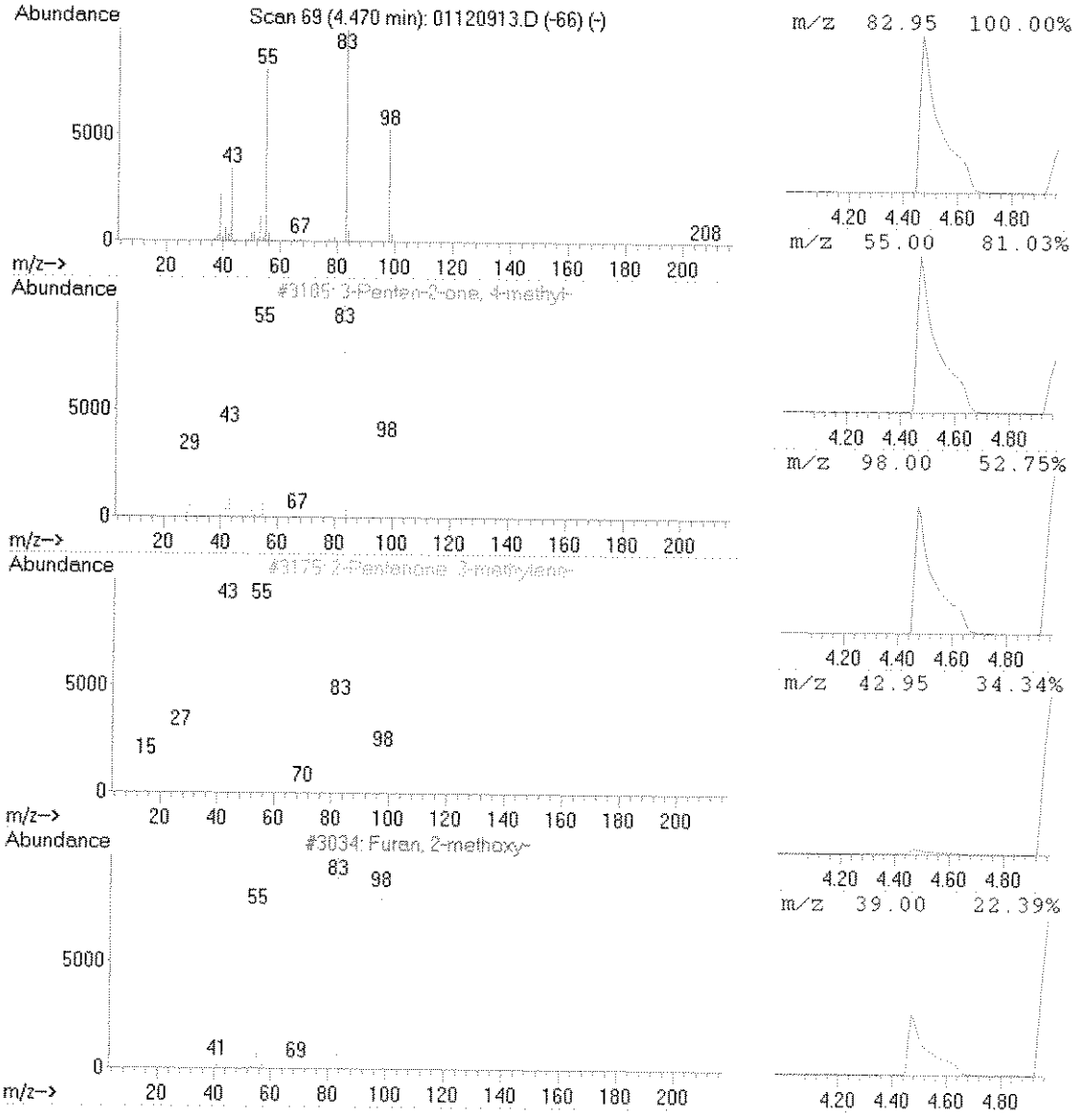
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****

Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.47	29.58 PPB	3009580	1,4-DICHLOROBENZENE-d4 INT. STD.	6.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
2	2-Pentanone, 3-methylene-	98	C6H10O	004359-77-7	90
3	Furan, 2-methoxy-	98	C5H6O2	025414-22-6	78
4	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	78
5	Cyclohexane, methyl-	98	C7H14	000108-87-2	72



Library Search Compound Report

Data Path : C:\MSDChem\1\DATA\jan09\011209\
Data File : 01120913.D
Acq On : 12 Jan 2009 4:36 pm
Operator : J. Aquilina
Sample : bn smp 082.01*30 33g tcl
Misc : 1/9/09
ALS Vial : 14 Sample Multiplier: 1

Quant Title :

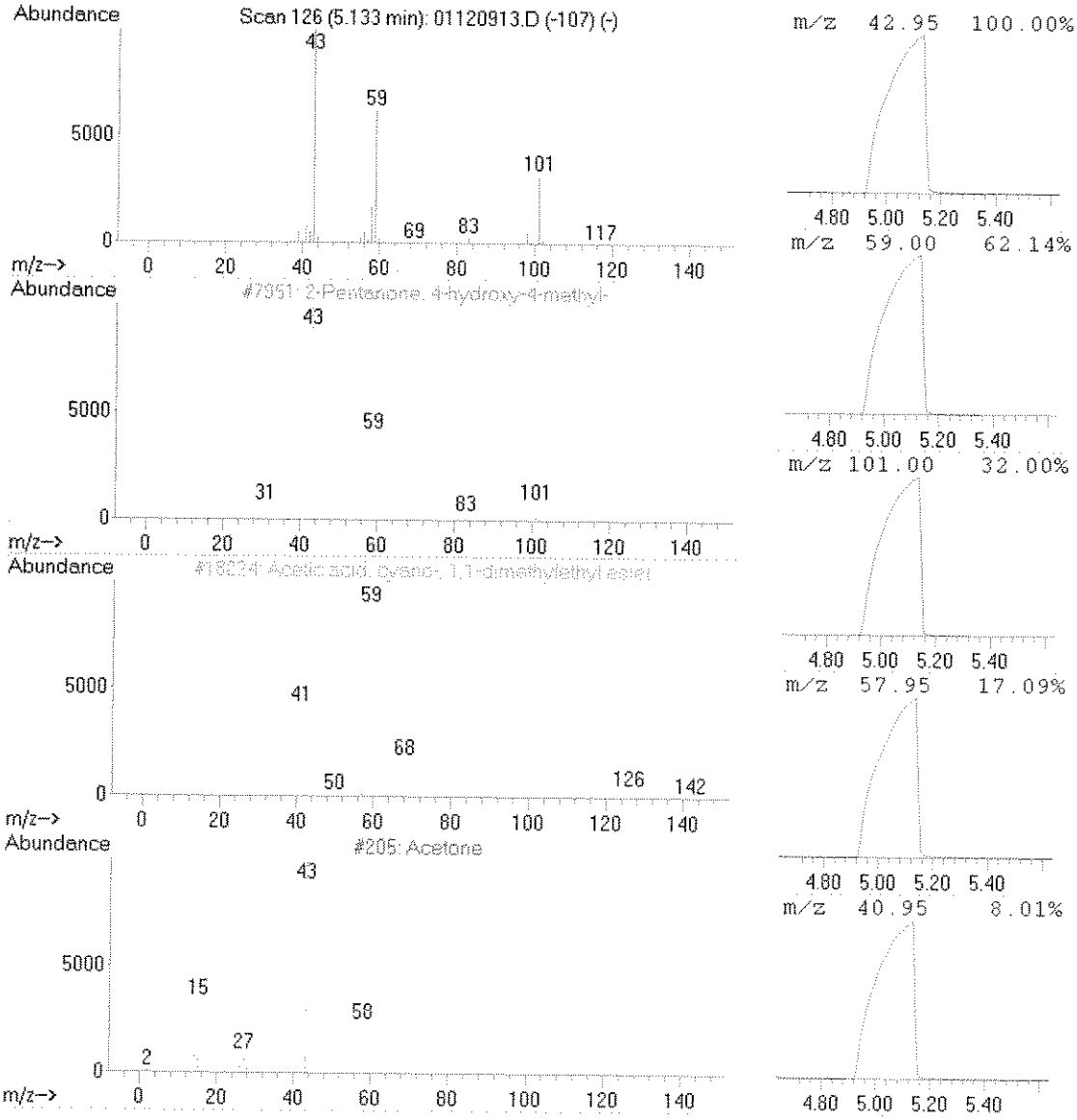
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.13	867.90 PPB	88315300	1,4-DICHLOROBENZENE-d4 INT. STD.	6.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	Acetone	58	C3H6O	000067-64-1	10
4	Methyl isocyanoacetate	99	C4H5NO2	039687-95-1	9
5	Propanamide, N-ethyl-	101	C5H11NO	005129-72-6	9



Data Path : C:\MSDChem\1\DATA\jan09\011209\
Data File : 01120913.D
Acq On : 12 Jan 2009 4:36 pm
Operator : J. Aquilina
Sample : bn smp 082.01*30 33g tcl
Misc : 1/9/09
ALS Vial : 14 Sample Multiplier: 1

Quant Title :

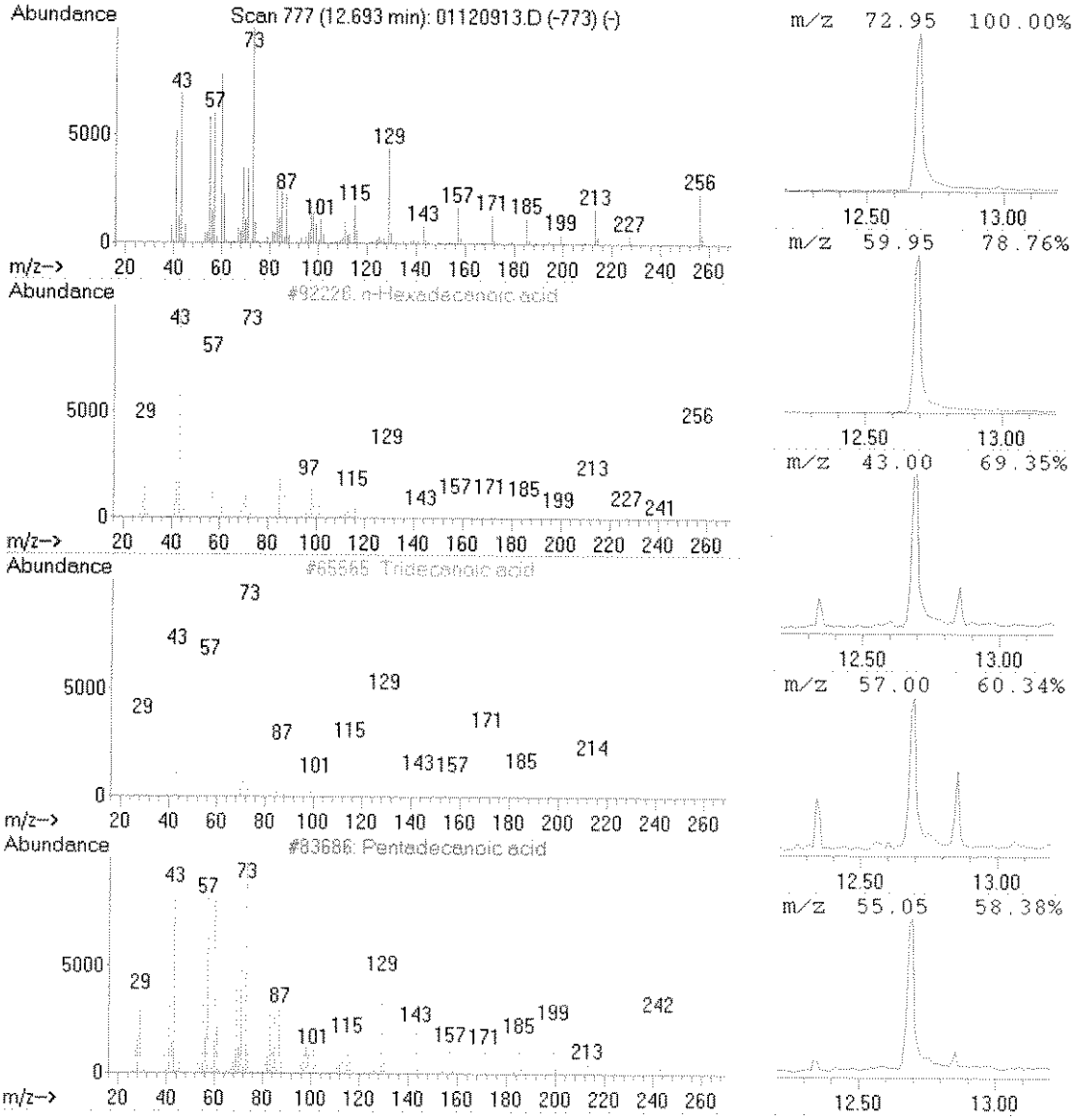
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	8.76 PPB	1092730	PHENANTHRENE-d10 INT. STD.	11.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
5	Dodecanoic acid	200	C12H24O2	000143-07-7	58



1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
290082.02

Lab Name: ECO-TEST LABS   Contract: ______

Project No.: ______   Site: ______   Location: ______   Group: ______

Matrix: (soil/water) ______   Lab Sample ID: ______

Sample wt/vol: ______ (g/mL) ______   Lab File ID: 01120914.D

Level: (low/med) ______   Date Received: 1/8/09

% Moisture: ______   decanted: (Y/N) ______   Date Extracted: 1/9/09

Concentrated Extract Volume: ______ (uL)   Date Analyzed: 1/12/09

Injection Volume: ______ (uL)   Dilution Factor: 30.0

GPC Cleanup: (Y/N) ______   pH: ______

Number TICs found: 2

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 141-79-7	3-Penten-2-one, 4-methyl-	4.47	2900	J
2. 123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.13	26000	J

FORM I SV-TIC   3/90

Library Search Compound Report

Data Path : C:\MSDChem\1\DATA\jan09\011209\
Data File : 01120914.D
Acq On : 12 Jan 2009 5:11 pm
Operator : J. Aquilina
Sample : bn smp 082.02*30 33g tcl
Misc : 1/9/09
ALS Vial : 15 Sample Multiplier: 1

Quant Title :

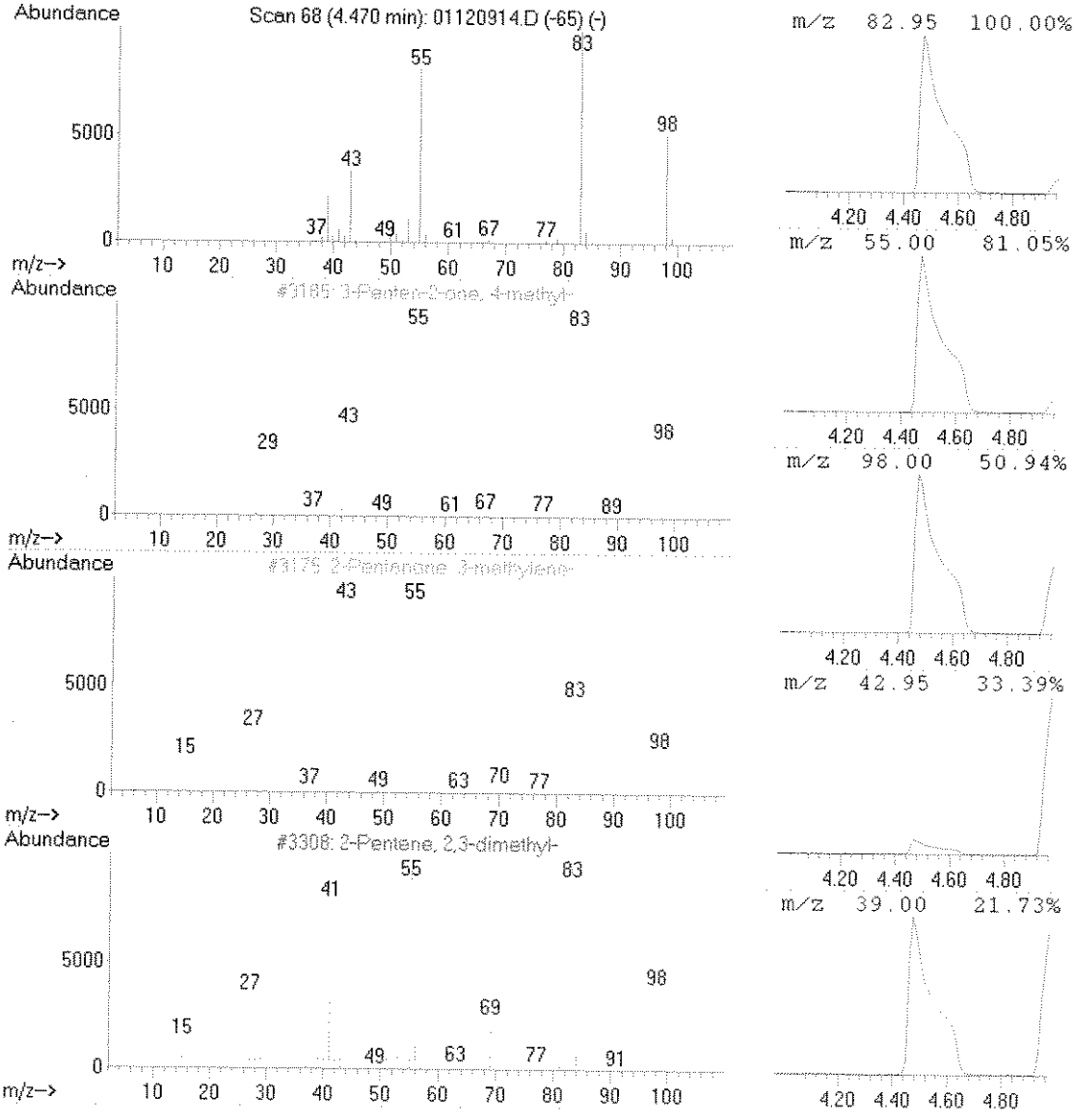
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****

Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.47	97.28 PPB	10046400	1,4-DICHLOROBENZENE-d4 INT. STD.	6.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
2	2-Pentanone, 3-methylene-	98	C6H10O	004359-77-7	90
3	2-Pentene, 2,3-dimethyl-	98	C7H14	010574-37-5	80
4	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	78
5	Furan, 2-methoxy-	98	C5H6O2	025414-22-6	78



Library Search Compound Report

Data Path : C:\MSDChem\1\DATA\jan09\011209\
Data File : 01120914.D
Acq On : 12 Jan 2009 5:11 pm
Operator : J. Aquilina
Sample : bn smp 082.02*30 33g tcl
Misc : 1/9/09
ALS Vial : 15 Sample Multiplier: 1

Quant Title :

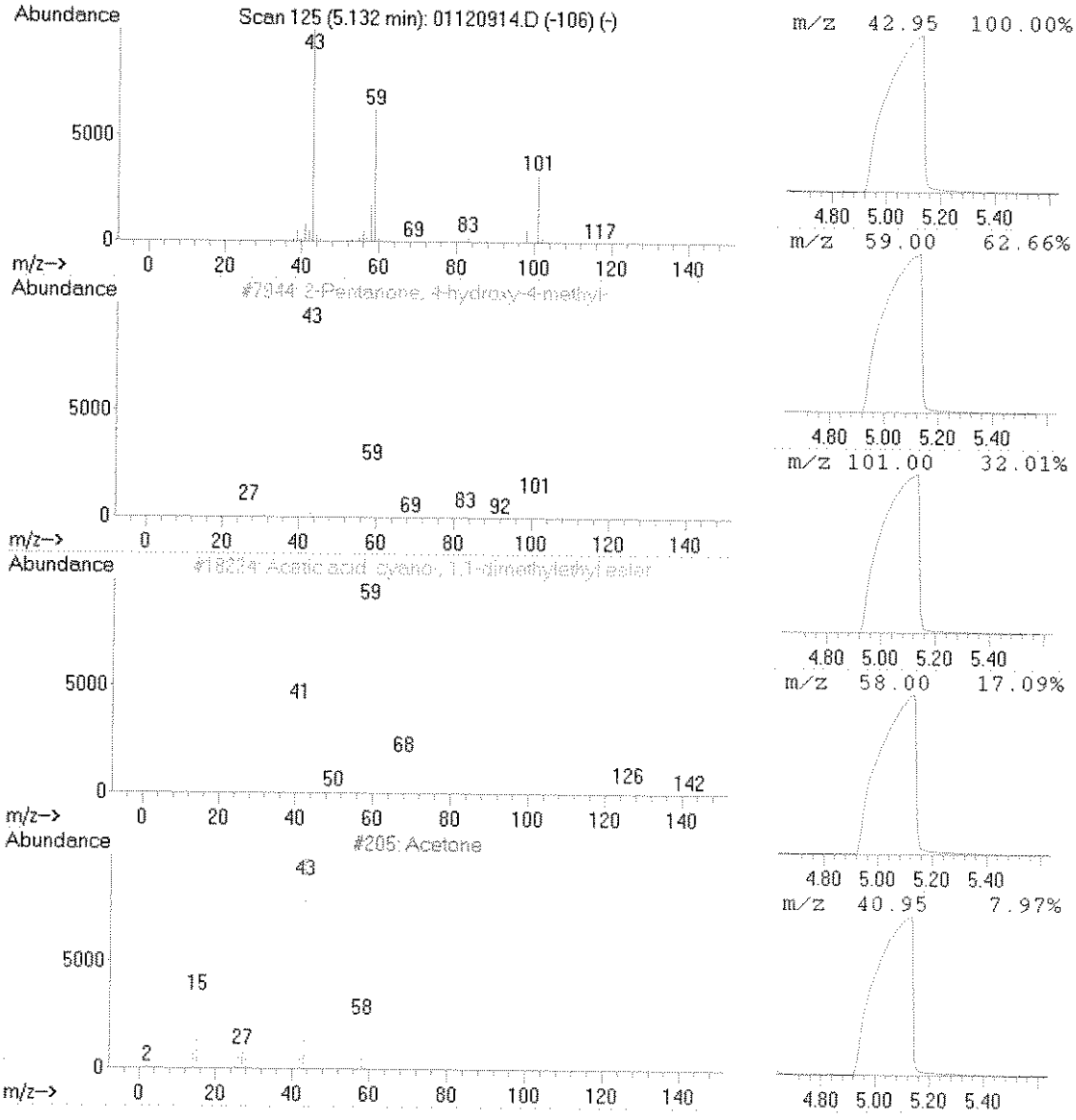
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.13	853.50 PPB	88143700	1,4-DICHLOROBENZENE-d4 INT. STD.	6.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	Acetone	58	C3H6O	000067-64-1	10
4	Guanidine	59	CH5N3	000113-00-8	9
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9



1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
290082.03

Lab Name: ECO-TEST LABS Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) Lab Sample ID:

Sample wt/vol: (g/mL) Lab File ID: 01120915.D

Level: (low/med) Date Received: 1/8/09

% Moisture: decanted: (Y/N) Date Extracted: 1/9/09

Concentrated Extract Volume: (uL) Date Analyzed: 1/12/09

Injection Volume: (uL) Dilution Factor: 30.0

GPC Cleanup: (Y/N) pH:

Number TICs found: 2 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 141-79-7	3-Penten-2-one, 4-methyl-	4.45	700	J
2. 123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.07	16000	J

Library Search Compound Report

Data Path : C:\MSDChem\1\DATA\jan09\011209\
Data File : 01120915.D
Acq On : 12 Jan 2009 5:46 pm
Operator : J. Aquilina
Sample : bn smp 082.03*30 33g tcl
Misc : 1/9/09
ALS Vial : 16 Sample Multiplier: 1

Quant Title :

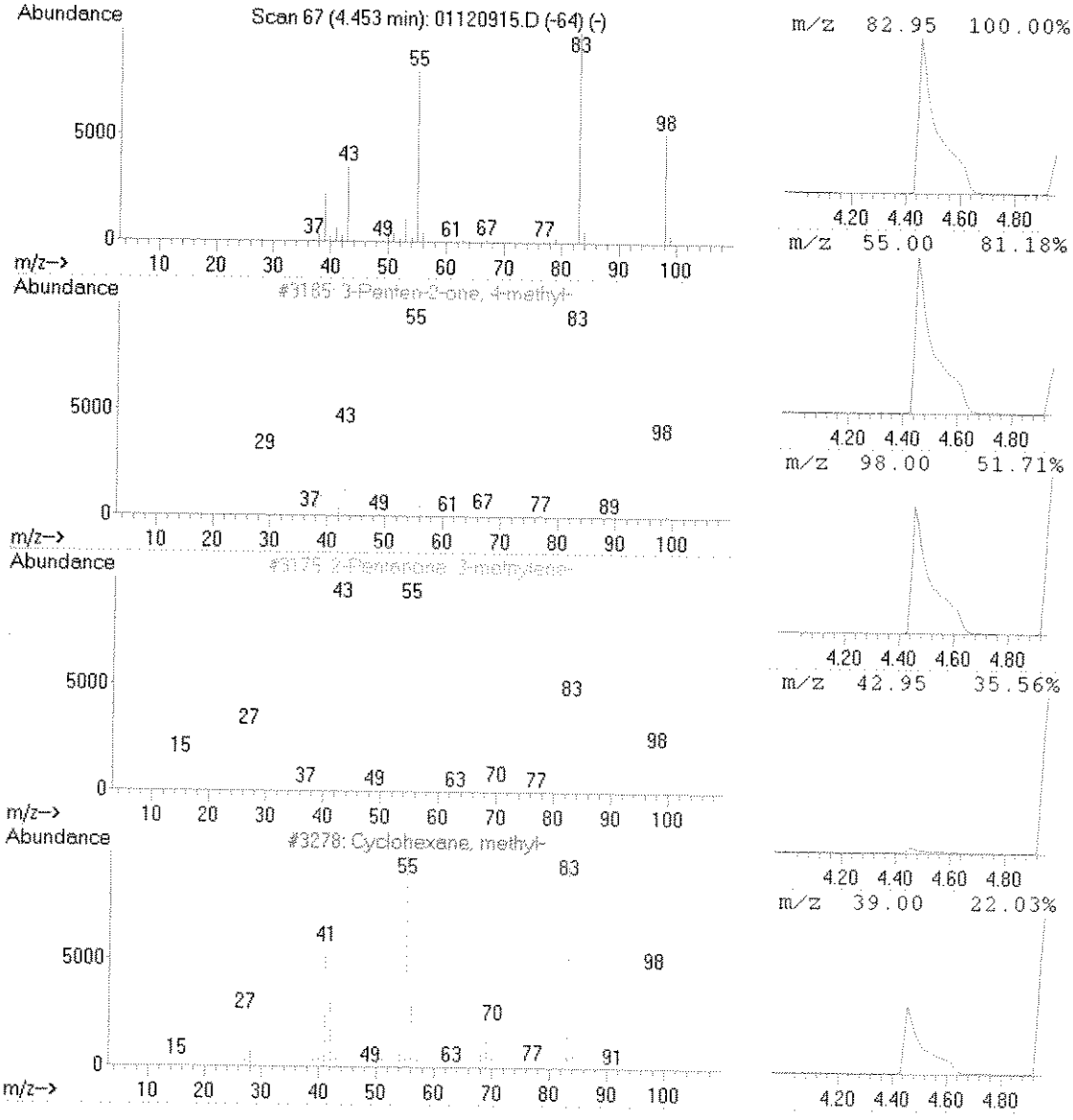
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****

Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.45	23.18 PPB	2475190	1,4-DICHLOROBENZENE-d4 INT. STD.	6.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
2	2-Pentanone, 3-methylene-	98	C6H10O	004359-77-7	90
3	Cyclohexane, methyl-	98	C7H14	000108-87-2	80
4	Furan, 2-methoxy-	98	C5H6O2	025414-22-6	78
5	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	72



Library Search Compound Report

Data Path : C:\MSDChem\1\DATA\jan09\011209\
Data File : 01120915.D
Acq On : 12 Jan 2009 5:46 pm
Operator : J. Aquilina
Sample : bn smp 082.03*30 33g tcl
Misc : 1/9/09
ALS Vial : 16 Sample Multiplier: 1

Quant Title :

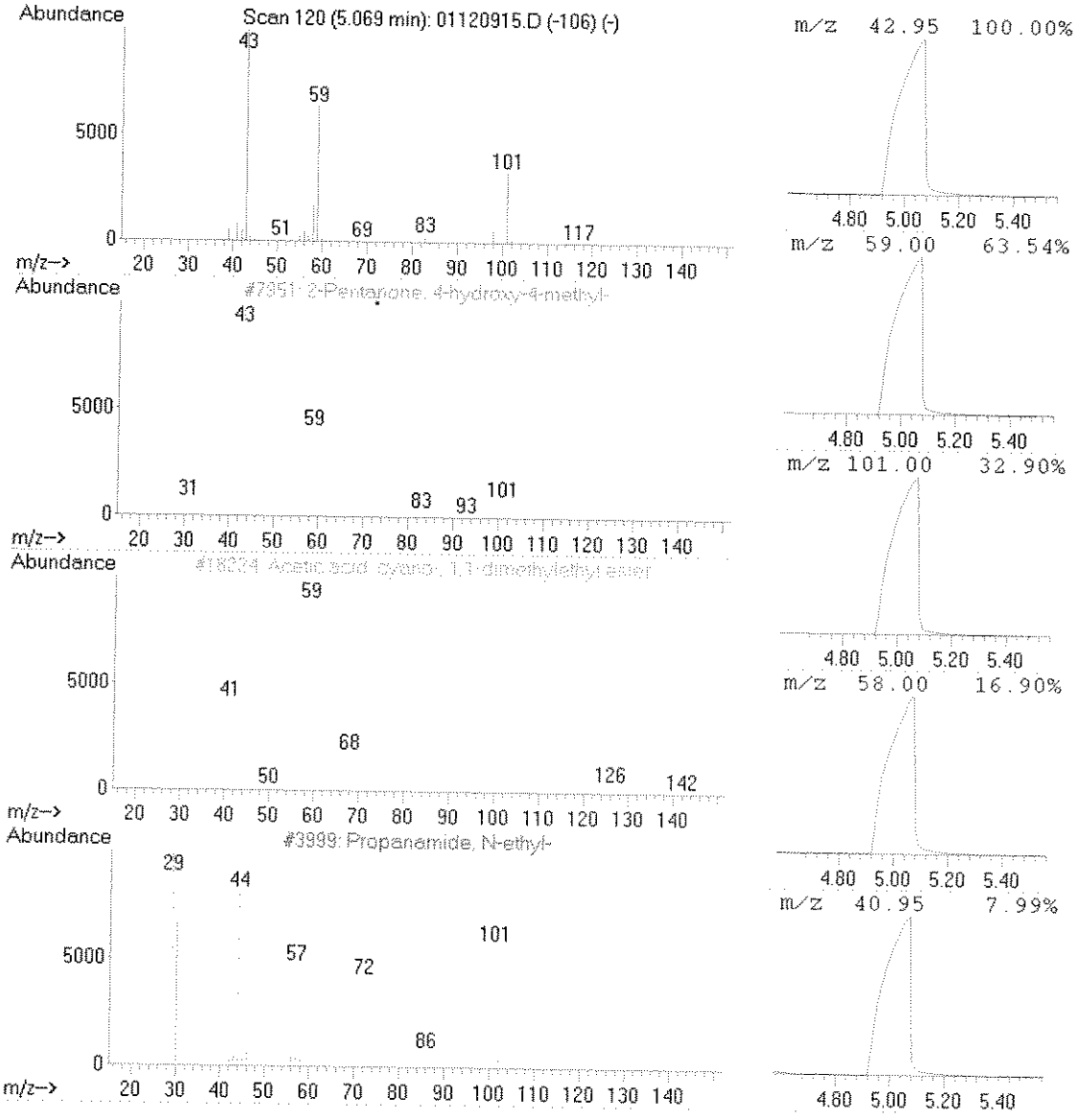
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	522.64 PPB	55799800	1,4-DICHLOROBENZENE-d4 INT. STD.	6.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	Propanamide, N-ethyl-	101	C5H11NO	005129-72-6	9
4	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
5	Guanidine	59	CH5N3	000113-00-8	9



1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
290082.04

Lab Name: ECO-TEST LABS Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) Lab Sample ID:

Sample wt/vol: (g/mL) Lab File ID: 01120916.D

Level: (low/med) Date Received: 1/8/09

% Moisture: decanted: (Y/N) Date Extracted: 1/9/09

Concentrated Extract Volume: (uL) Date Analyzed: 1/12/09

Injection Volume: (uL) Dilution Factor: 30.0

GPC Cleanup: (Y/N) pH:

Number TICs found: 2 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 141-79-7	3-Penten-2-one, 4-methyl-	4.45	680	J
2. 123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.06	17000	J

FORM I SV-TIC 3/90

Library Search Compound Report

Data Path : C:\MSDChem\1\DATA\jan09\011209\
Data File : 01120916.D
Acq On : 12 Jan 2009 6:20 pm
Operator : J. Aquilina
Sample : bn smp 082.04*30 33g tcl
Misc : 1/9/09
ALS Vial : 17 Sample Multiplier: 1

Quant Title :

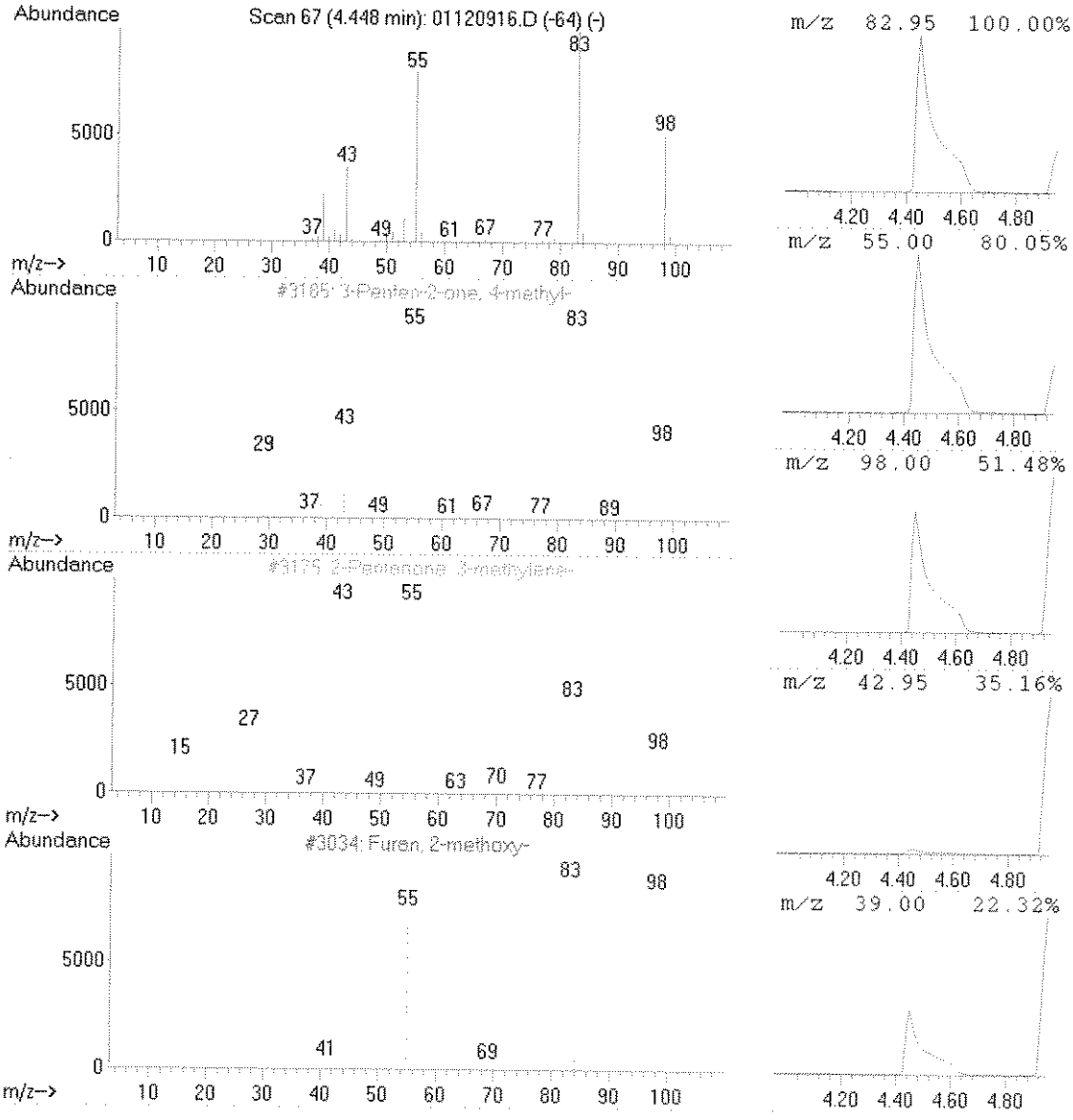
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****

Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.45	22.61 PPB	2440790	1,4-DICHLOROBENZENE-d4 INT. STD.	6.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
2	2-Pentanone, 3-methylene-	98	C6H10O	004359-77-7	90
3	Furan, 2-methoxy-	98	C5H6O2	025414-22-6	78
4	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	78
5	Cyclohexane, methyl-	98	C7H14	000108-87-2	72



Library Search Compound Report

Data Path : C:\MSDChem\1\DATA\jan09\011209\
Data File : 01120916.D
Acq On : 12 Jan 2009 6:20 pm
Operator : J. Aquilina
Sample : bn smp 082.04*30 33g tcl
Misc : 1/9/09
ALS Vial : 17 Sample Multiplier: 1

Quant Title :

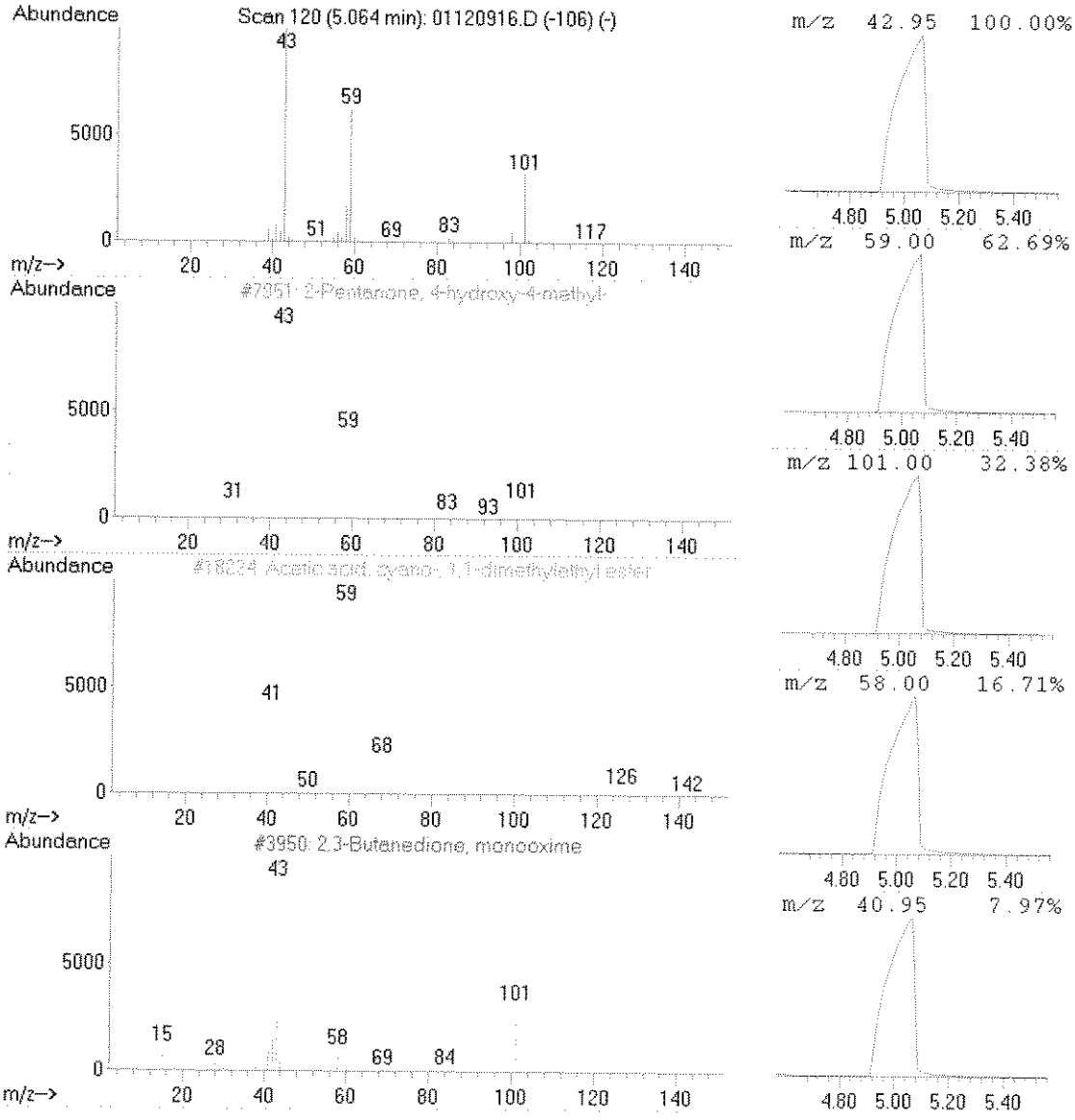
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.06	559.98 PPB	60457300	1,4-DICHLOROBENZENE-d4 INT. STD.	6.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Propanamide, N-ethyl-	101	C5H11NO	005129-72-6	9



1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
290082.05

Lab Name: ECO-TEST LABS Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) Lab Sample ID:

Sample wt/vol: (g/mL) Lab File ID: 01120917.D

Level: (low/med) Date Received: 1/8/09

% Moisture: decanted: (Y/N) Date Extracted: 1/9/09

Concentrated Extract Volume: (uL) Date Analyzed: 1/12/09

Injection Volume: (uL) Dilution Factor: 30.0

GPC Cleanup: (Y/N) pH:

Number TICs found: 3 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 141-79-7	3-Penten-2-one, 4-methyl-	4.46	1200	J
2. 123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.06	16000	J
3. 57-10-3	n-Hexadecanoic acid	12.69	390	J

FORM I SV-TIC 3/90

Library Search Compound Report

Data Path : C:\MSDChem\1\DATA\jan09\011209\
Data File : 01120917.D
Acq On : 12 Jan 2009 6:54 pm
Operator : J. Aquilina
Sample : bn smp 082.05*30 33g tcl
Misc : 1/9/09
ALS Vial : 18 Sample Multiplier: 1

Quant Title :

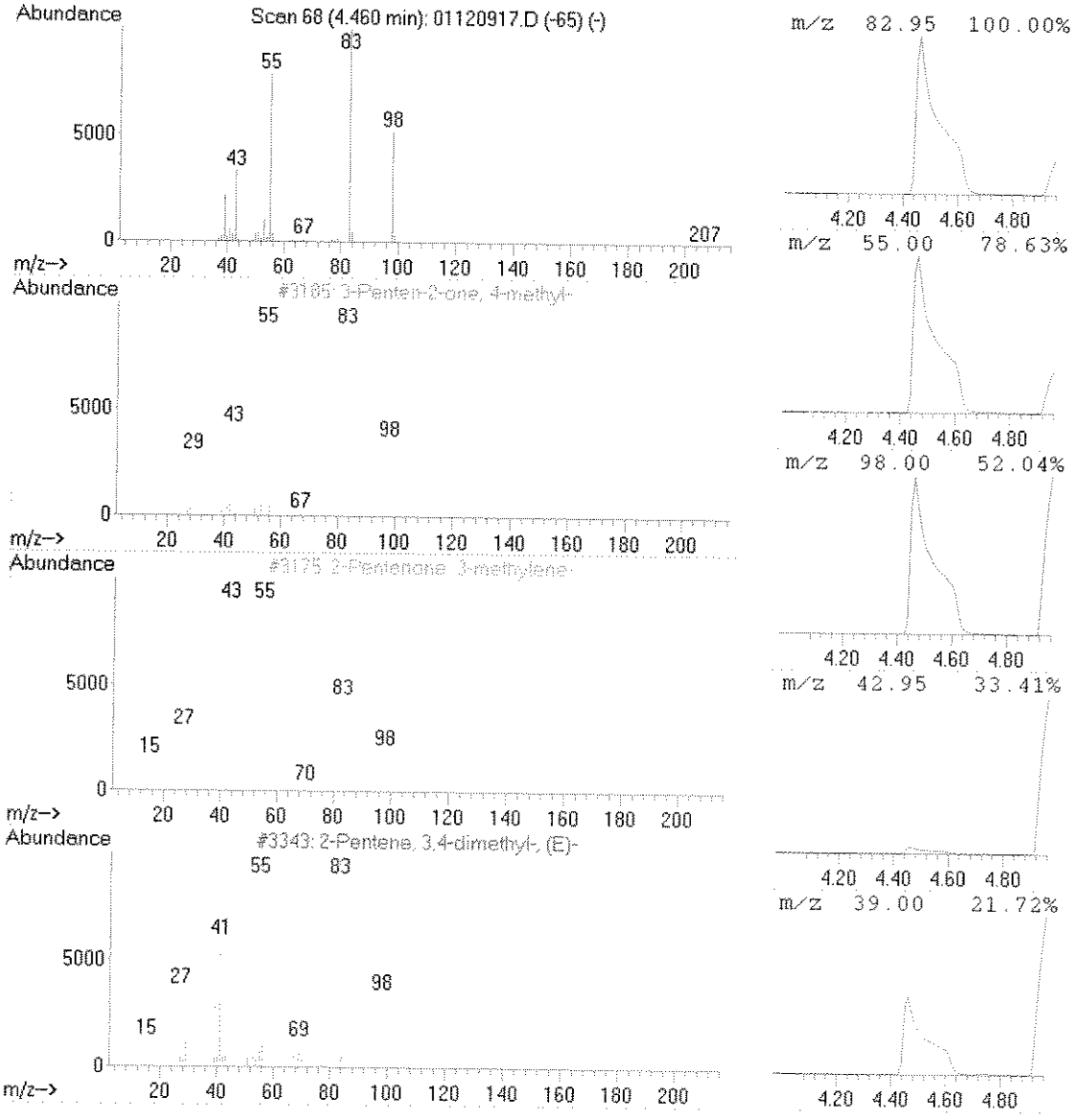
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****

Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.46	38.90 PPB	4379640	1,4-DICHLOROBENZENE-d4 INT. STD.	6.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
2	2-Pentanone, 3-methylene-	98	C6H10O	004359-77-7	90
3	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	78
4	3-Hexen-2-one	98	C6H10O	000763-93-9	72
5	2-Pentene, 2,3-dimethyl-	98	C7H14	010574-37-5	72



Library Search Compound Report

Data Path : C:\MSDChem\1\DATA\jan09\011209\
Data File : 01120917.D
Acq On : 12 Jan 2009 6:54 pm
Operator : J. Aquilina
Sample : bn smp 082.05*30 33g tcl
Misc : 1/9/09
ALS Vial : 18 Sample Multiplier: 1

Quant Title :

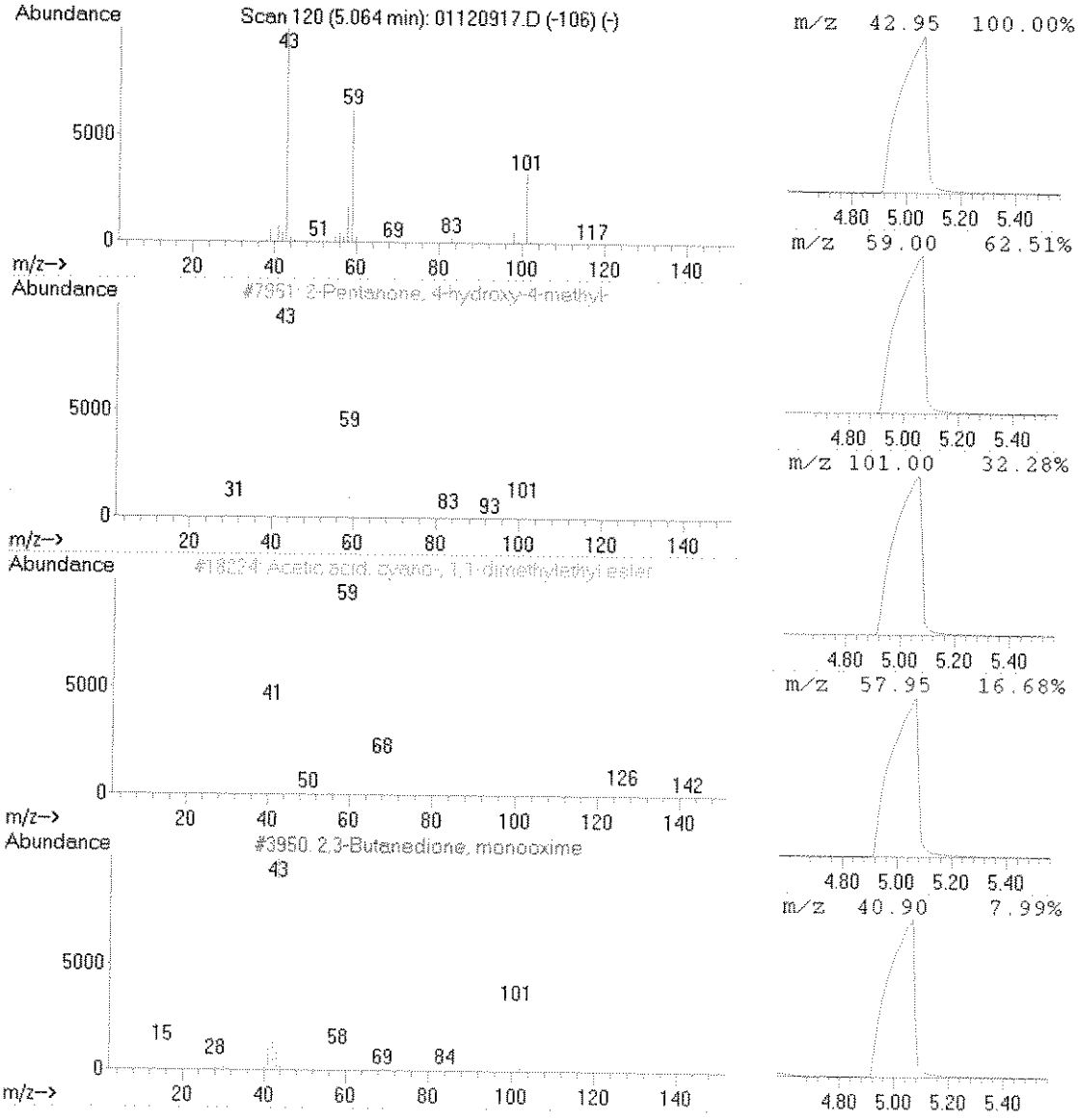
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.06	530.25 PPB	59705200	1,4-DICHLOROBENZENE-d4 INT. STD.	6.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
4	Propanamide, N-ethyl-	101	C5H11NO	005129-72-6	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9



Data Path : C:\MSDChem\1\DATA\jan09\011209\
Data File : 01120917.D
Acq On : 12 Jan 2009 6:54 pm
Operator : J. Aquilina
Sample : bn smp 082.05*30 33g tcl
Misc : 1/9/09
ALS Vial : 18 Sample Multiplier: 1

Quant Title :

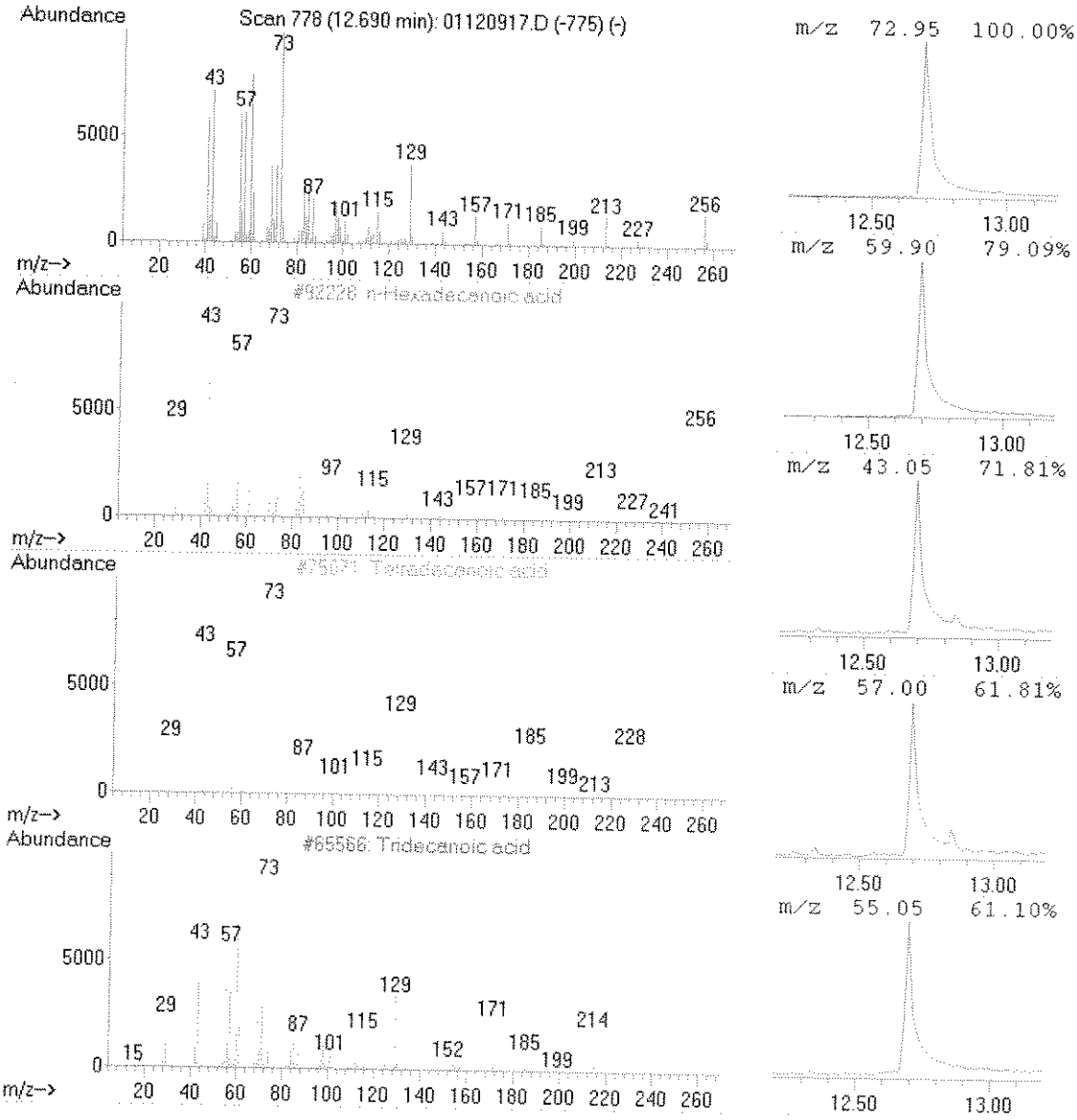
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	12.95 PPB	1774920	PHENANTHRENE-d10 INT. STD.	11.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
3	Tridecanoic acid	214	C13H26O2	000638-53-9	72
4	n-Decanoic acid	172	C10H20O2	000334-48-5	64
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	53



1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
290082.06

Lab Name: ECO-TEST LABS Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) Lab Sample ID:

Sample wt/vol: (g/mL) Lab File ID: 01120918.D

Level: (low/med) Date Received: 1/8/09

% Moisture: decanted: (Y/N) Date Extracted: 1/9/09

Concentrated Extract Volume: (uL) Date Analyzed: 1/12/09

Injection Volume: (uL) Dilution Factor: 30.0

GPC Cleanup: (Y/N) pH:

Number TICs found: 2 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 141-79-7	3-Penten-2-one, 4-methyl-	4.45	890	J
2. 123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.07	18000	J

FORM I SV-TIC 3/90

Library Search Compound Report

Data Path : C:\MSDChem\1\DATA\jan09\011209\
Data File : 01120918.D
Acq On : 12 Jan 2009 7:29 pm
Operator : J. Aquilina
Sample : bn smp 082.06*30 33g tcl
Misc : 1/9/09
ALS Vial : 19 Sample Multiplier: 1

Quant Title :

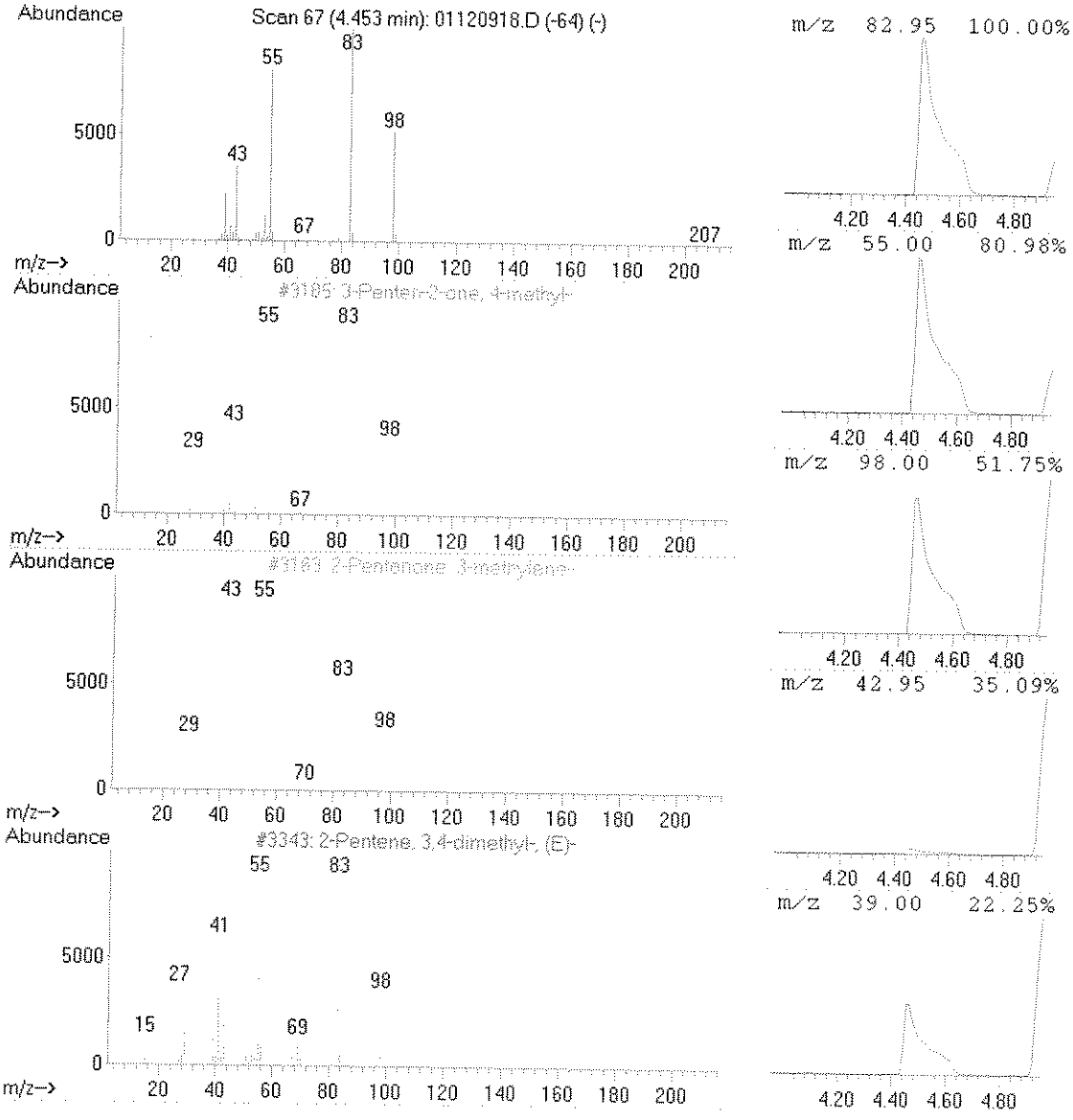
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****

Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.45	29.57 PPB	3246210	1,4-DICHLOROBENZENE-d4 INT. STD.	6.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
2	2-Pentanone, 3-methylene-	98	C6H10O	004359-77-7	83
3	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	78
4	Furan, 2-methoxy-	98	C5H6O2	025414-22-6	78
5	2-Pentene, 2,3-dimethyl-	98	C7H14	010574-37-5	72



Library Search Compound Report

Data Path : C:\MSDChem\1\DATA\jan09\011209\
Data File : 01120918.D
Acq On : 12 Jan 2009 7:29 pm
Operator : J. Aquilina
Sample : bn smp 082.06*30 33g tcl
Misc : 1/9/09
ALS Vial : 19 Sample Multiplier: 1

Quant Title :

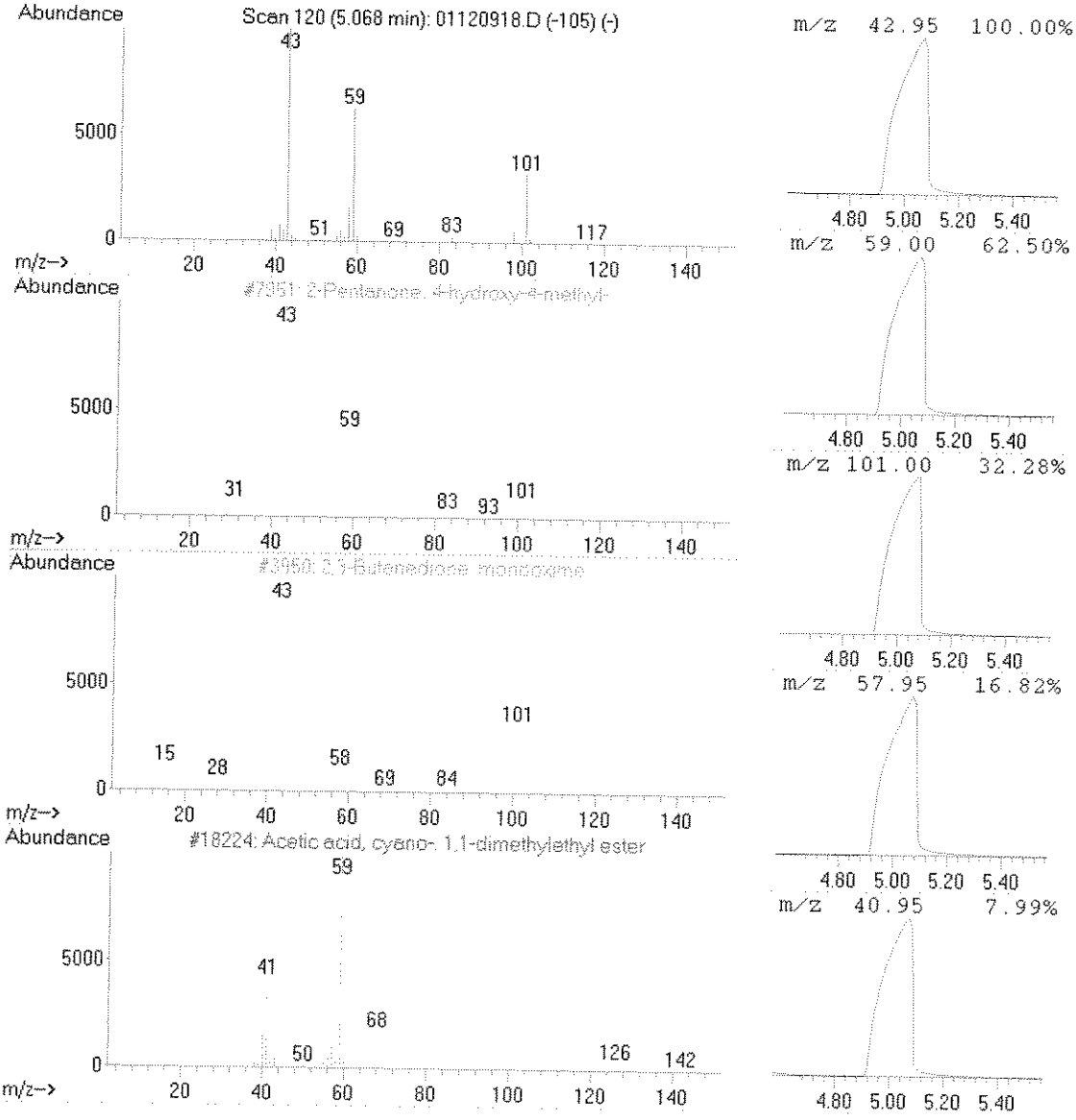
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	594.86 PPB	65296400	1,4-DICHLOROBENZENE-d4 INT. STD.	6.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9



1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
290082.07

Lab Name: ECO-TEST LABS Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) Lab Sample ID:

Sample wt/vol: (g/mL) Lab File ID: 01120919.D

Level: (low/med) Date Received: 1/8/09

% Moisture: decanted: (Y/N) Date Extracted: 1/9/09

Concentrated Extract Volume: (uL) Date Analyzed: 1/12/09

Injection Volume: (uL) Dilution Factor: 30.0

GPC Cleanup: (Y/N) pH:

Number TICs found: 2 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 141-79-7	3-Penten-2-one, 4-methyl-	4.44	710	J
2. 123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.06	19000	J

FORM I SV-TIC 3/90

Library Search Compound Report

Data Path : C:\MSDChem\1\DATA\jan09\011209\
Data File : 01120919.D
Acq On : 12 Jan 2009 8:03 pm
Operator : J. Aquilina
Sample : bn smp 082.07*30 33g tcl
Misc : 1/9/09
ALS Vial : 20 Sample Multiplier: 1

Quant Title :

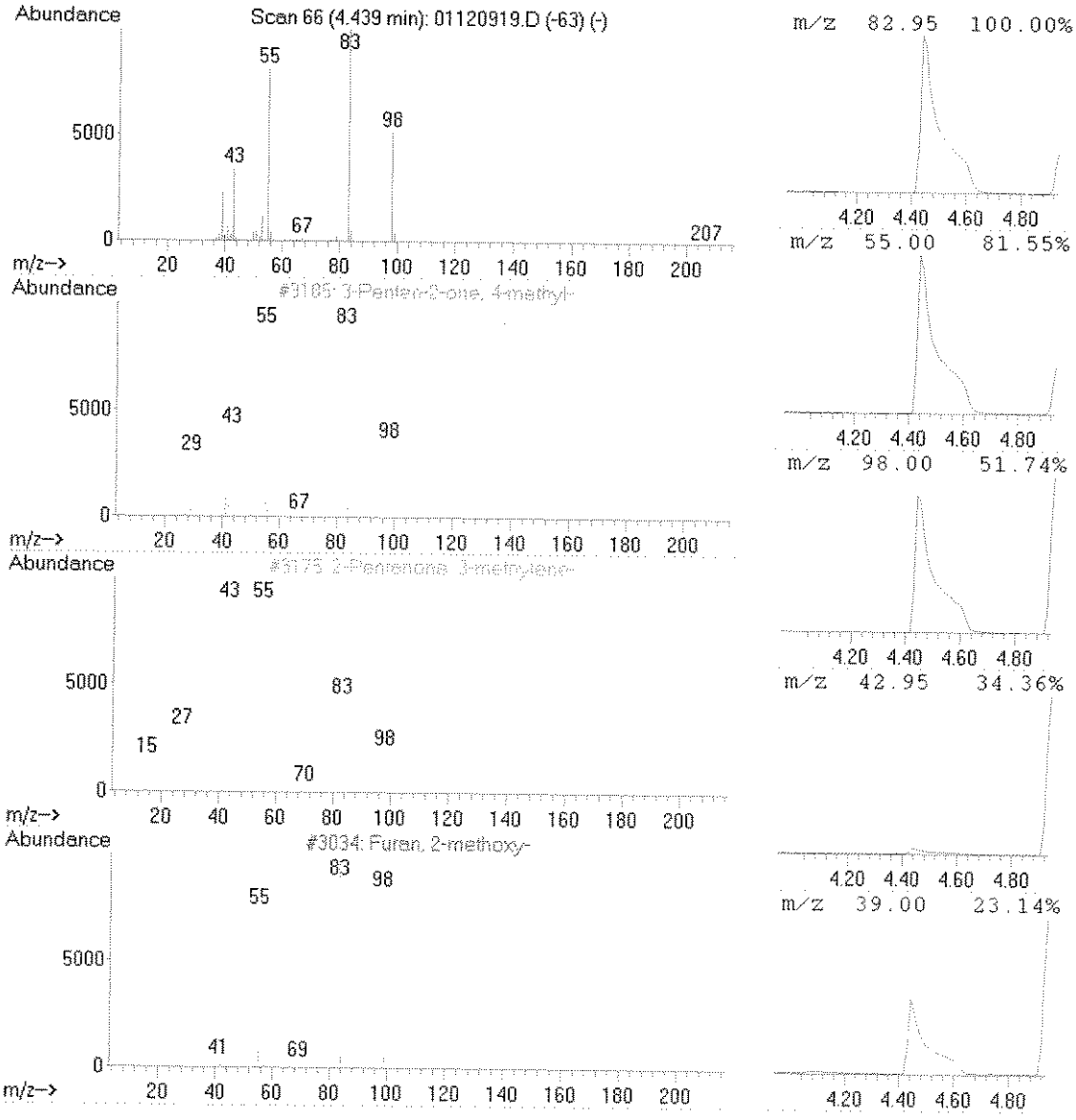
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****

Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.44	23.70 PPB	2417150	1,4-DICHLOROBENZENE-d4 INT. STD.	6.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
2	2-Pentanone, 3-methylene-	98	C6H10O	004359-77-7	90
3	Furan, 2-methoxy-	98	C5H6O2	025414-22-6	78
4	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	78
5	Cyclohexane, methyl-	98	C7H14	000108-87-2	72



Data Path : C:\MSDChem\1\DATA\jan09\011209\
Data File : 01120919.D
Acq On : 12 Jan 2009 8:03 pm
Operator : J. Aquilina
Sample : bn smp 082.07*30 33g tcl
Misc : 1/9/09
ALS Vial : 20 Sample Multiplier: 1

Quant Title :

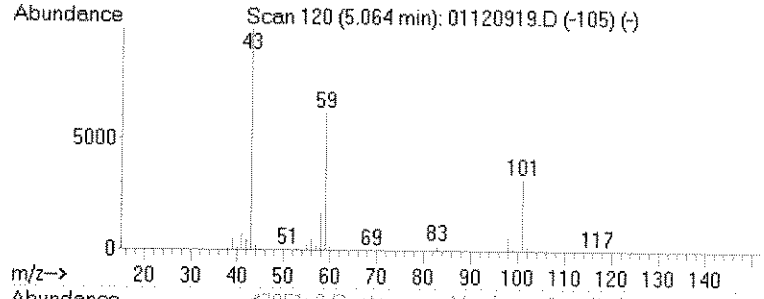
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

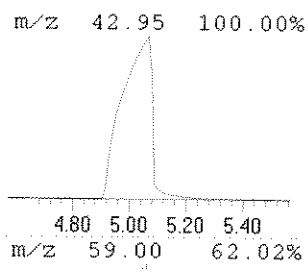
****

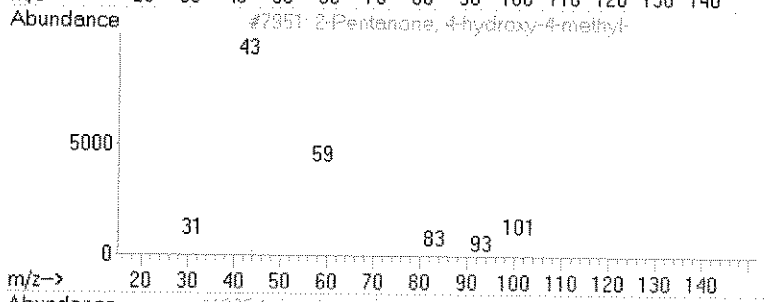
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

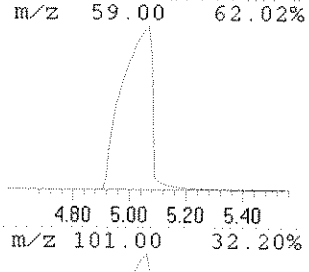
R.T.	EstConc	Area	Relative to ISTD	R.T.
5.06	621.58 PPB	63386700	1,4-DICHLOROBENZENE-d4 INT. STD.	6.64

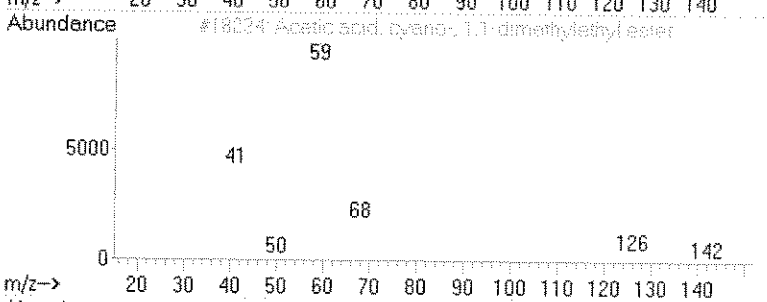
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	1,4-Dimethyl-5-oxabicyclo[2.1.0]...	98	C6H10O	002316-03-2	12
4	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9

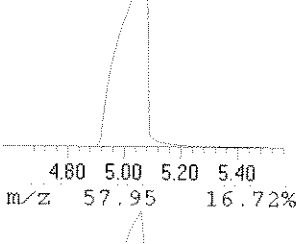


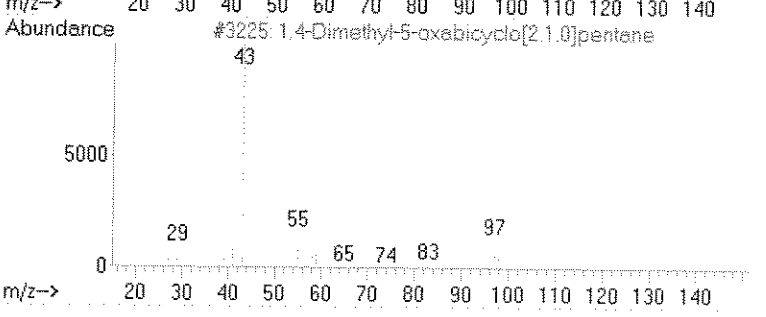


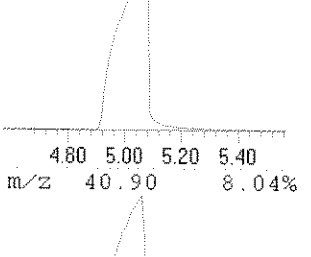












1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

290082.08

Lab Name: ECO-TEST LABS Contract: ________

Project No.: ________ Site: ________ Location: ________ Group: ________

Matrix: (soil/water) ________ Lab Sample ID: ________

Sample wt/vol: ________ (g/mL) ________ Lab File ID: 01120921.D

Level: (low/med) ________ Date Received: 1/8/09

% Moisture: ________ decanted: (Y/N) ________ Date Extracted: 1/9/09

Concentrated Extract Volume: ________ (uL) Date Analyzed: 1/12/09

Injection Volume: ________ (uL) Dilution Factor: 30.0

GPC Cleanup: (Y/N) ________ pH: ________

Number TICs found: 2

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 141-79-7	3-Penten-2-one, 4-methyl-	4.46	1700	J
2. 123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.13	26000	J

FORM I SV-TIC 3/90

Library Search Compound Report

Data Path : C:\MSDChem\1\DATA\jan09\011209\
Data File : 01120921.D
Acq On : 12 Jan 2009 9:11 pm
Operator : J. Aquilina
Sample : bn smp 082.08*30 33g tcl
Misc : 1/9/09
ALS Vial : 22 Sample Multiplier: 1

Quant Title :

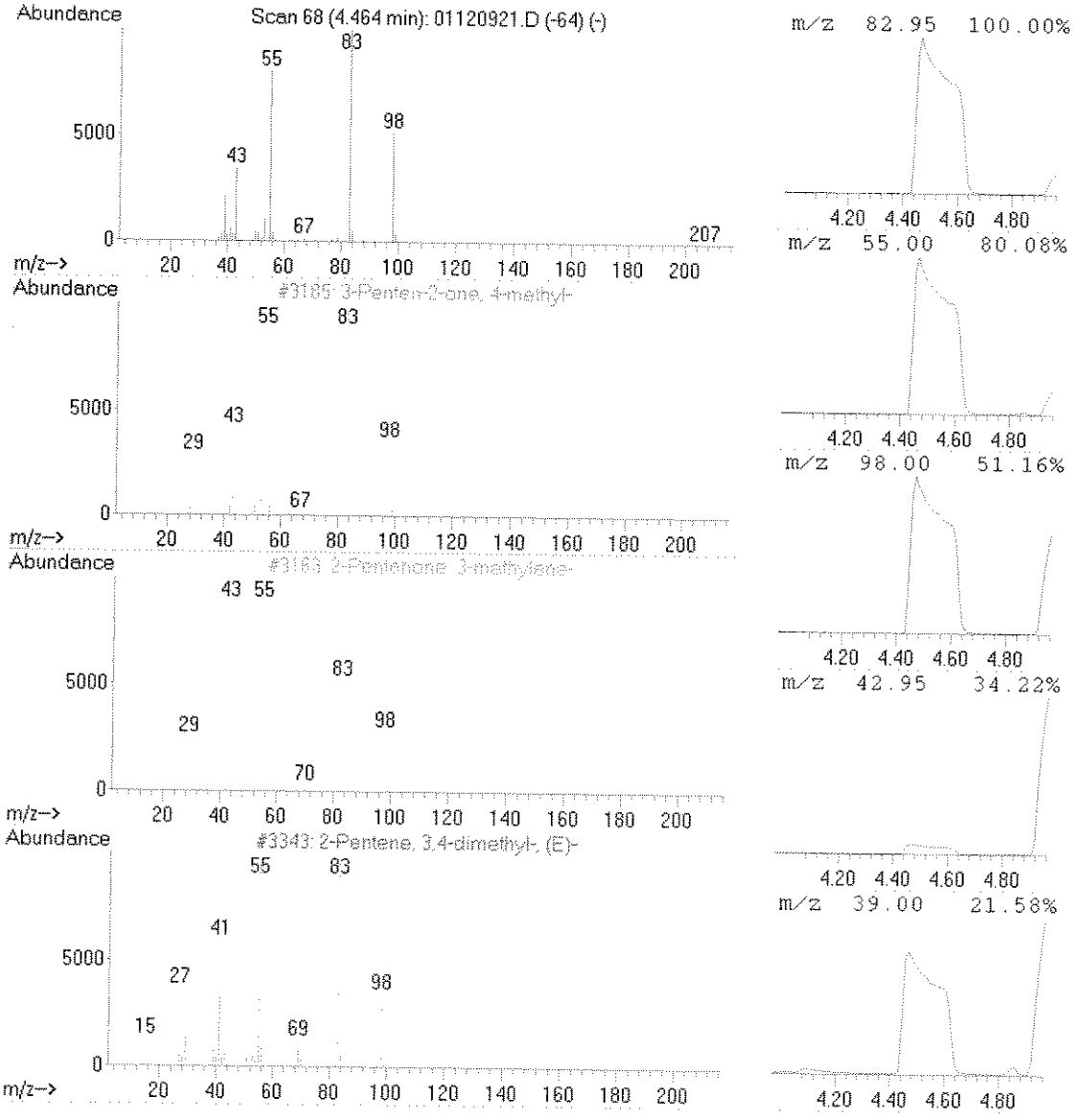
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****

Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.46	55.24 PPB	6009720	1,4-DICHLOROBENZENE-d4 INT. STD.	6.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
2	2-Pentanone, 3-methylene-	98	C6H10O	004359-77-7	83
3	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	78
4	Furan, 2-methoxy-	98	C5H6O2	025414-22-6	78
5	Cyclohexane, methyl-	98	C7H14	000108-87-2	72



Data Path : C:\MSDChem\1\DATA\jan09\011209\
Data File : 01120921.D
Acq On : 12 Jan 2009 9:11 pm
Operator : J. Aquilina
Sample : bn smp 082.08*30 33g tcl
Misc : 1/9/09
ALS Vial : 22 Sample Multiplier: 1

Quant Title :

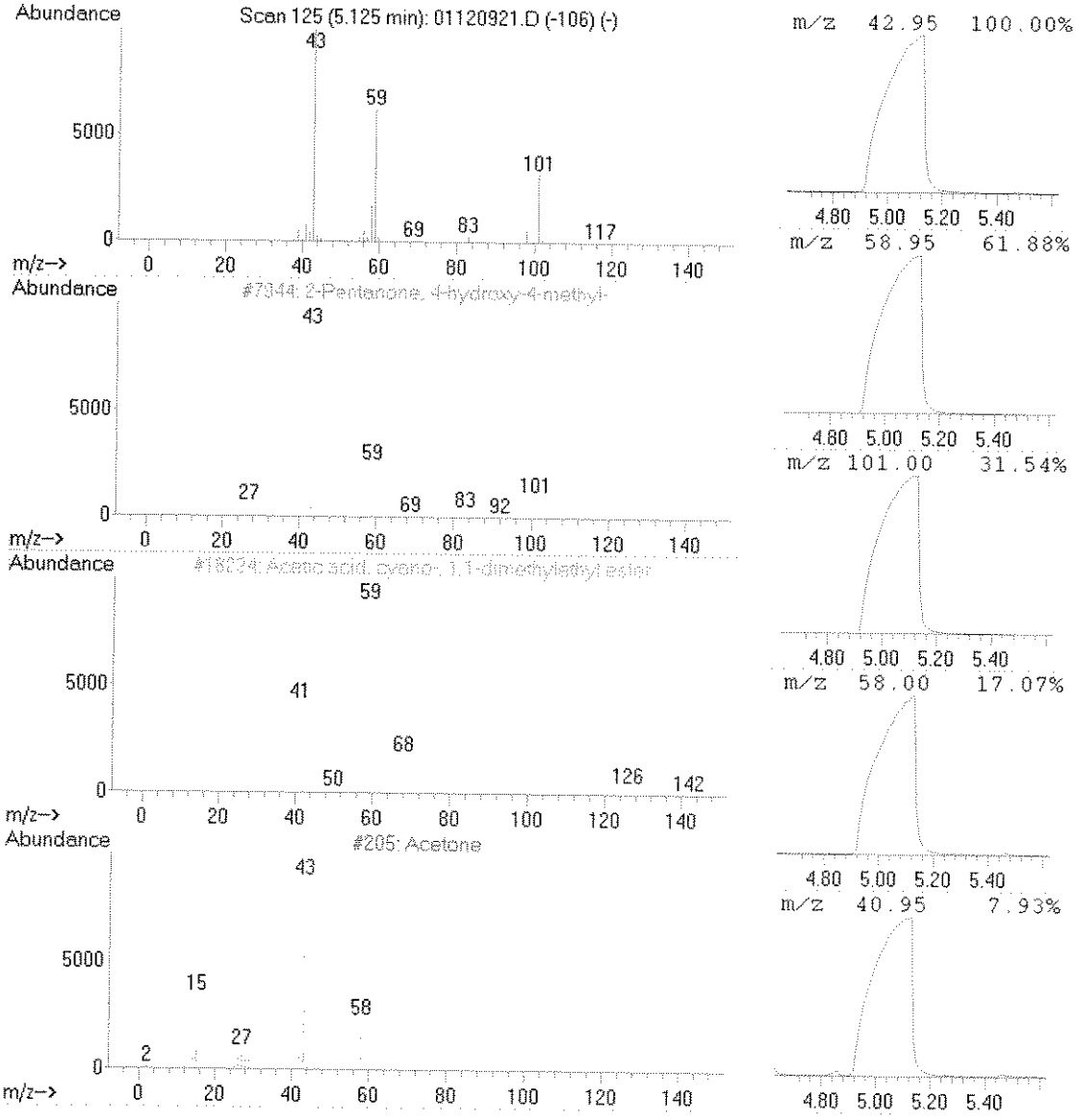
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.13	856.93 PPB	93229200	1,4-DICHLOROBENZENE-d4 INT. STD.	6.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	Acetone	58	C3H6O	000067-64-1	10
4	Guanidine	59	CH5N3	000113-00-8	9
5	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9



1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
290082.09

Lab Name: ECO-TEST LABS Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) _____ Lab Sample ID: _____

Sample wt/vol: _____ (g/mL) _____ Lab File ID: 01120920.D

Level: (low/med) _____ Date Received: 1/8/09

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 1/9/09

Concentrated Extract Volume: _____ (uL) Date Analyzed: 1/12/09

Injection Volume: _____ (uL) Dilution Factor: 30.0

GPC Cleanup: (Y/N) _____ pH: _____

Number TICs found: 5 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 141-79-7	3-Penten-2-one, 4-methyl-	4.46	5000	J
2. 123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.07	16000	J
3. 142-62-1	Hexanoic acid	6.42	450	J
4. 124-07-2	Octanoic acid	7.97	630	J
5. 1000285-40-2	beta.-iso-Methyl ionone	21.50	420	J

FORM I SV-TIC 3/90

Library Search Compound Report

Data Path : C:\MSDChem\1\DATA\jan09\011209\
Data File : 01120920.D
Acq On : 12 Jan 2009 8:37 pm
Operator : J. Aquilina
Sample : bn smp 082.09*30 33g tcl
Misc : 1/9/09
ALS Vial : 21 Sample Multiplier: 1

Quant Title :

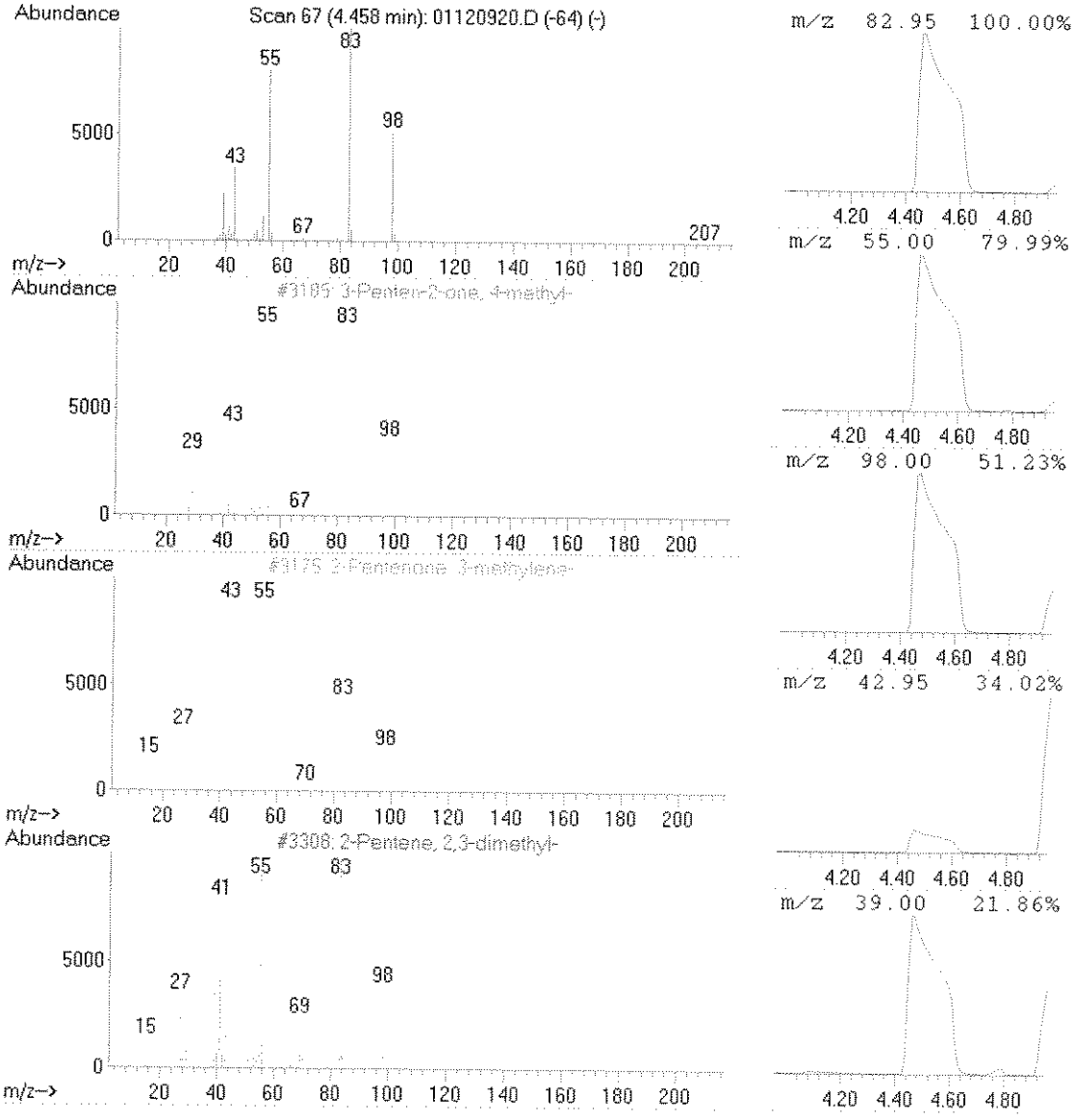
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****

Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.46	166.06 PPB	19778700	1,4-DICHLOROBENZENE-d4 INT. STD.	6.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
2	2-Pentanone, 3-methylene-	98	C6H10O	004359-77-7	90
3	2-Pentene, 2,3-dimethyl-	98	C7H14	010574-37-5	80
4	Furan, 2-methoxy-	98	C5H6O2	025414-22-6	78
5	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	78



Data Path : C:\MSDChem\1\DATA\jan09\011209\
Data File : 01120920.D
Acq On : 12 Jan 2009 8:37 pm
Operator : J. Aquilina
Sample : bn smp 082.09*30 33g tcl
Misc : 1/9/09
ALS Vial : 21 Sample Multiplier: 1

Quant Title :

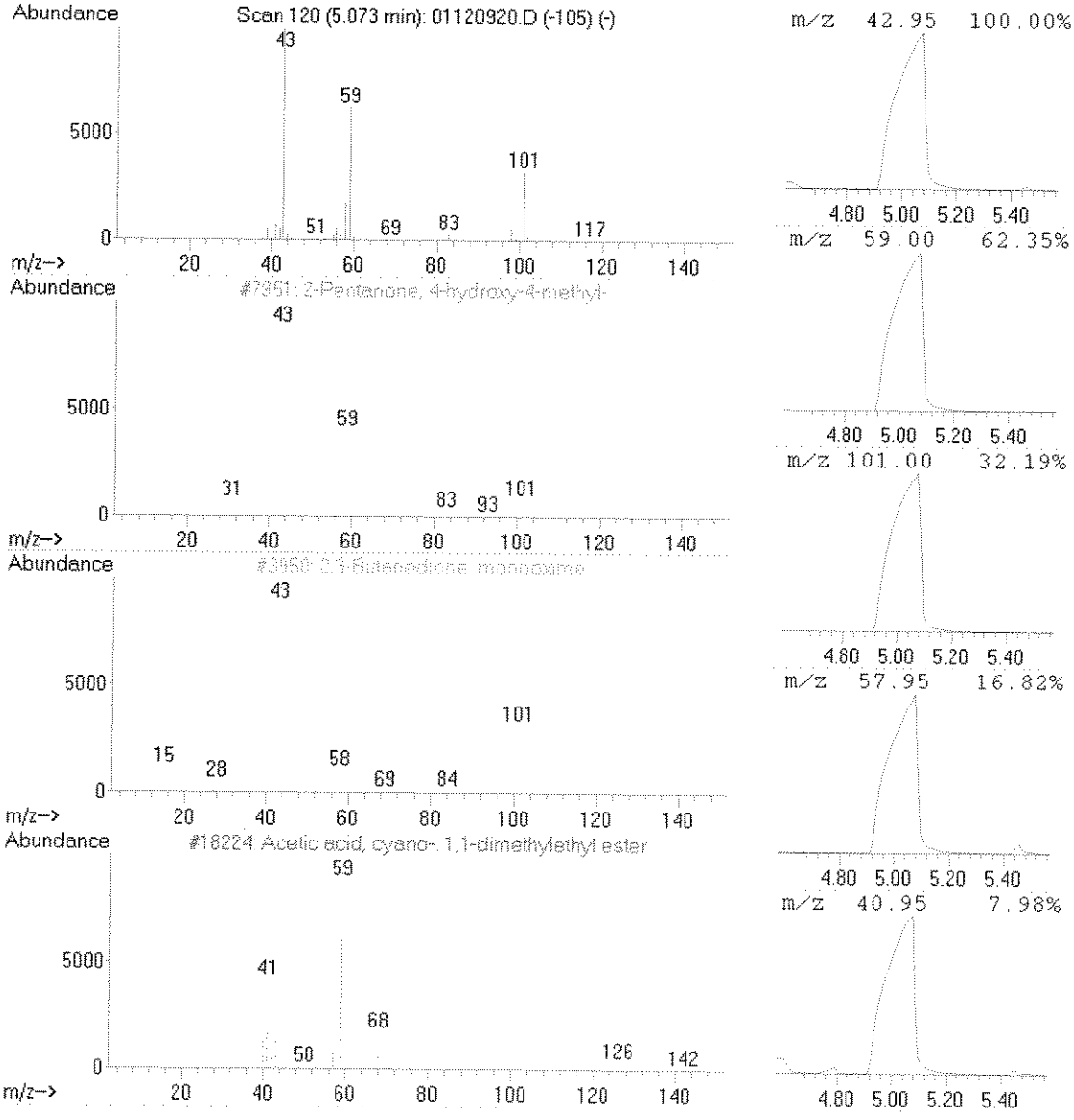
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	535.61 PPB	63795800	1,4-DICHLOROBENZENE-d4 INT. STD.	6.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
5	Methyl isocyanoacetate	99	C4H5NO2	039687-95-1	9



Data Path : C:\MSDChem\1\DATA\jan09\011209\
Data File : 01120920.D
Acq On : 12 Jan 2009 8:37 pm
Operator : J. Aquilina
Sample : bn smp 082.09*30 33g tcl
Misc : 1/9/09
ALS Vial : 21 Sample Multiplier: 1

Quant Title :

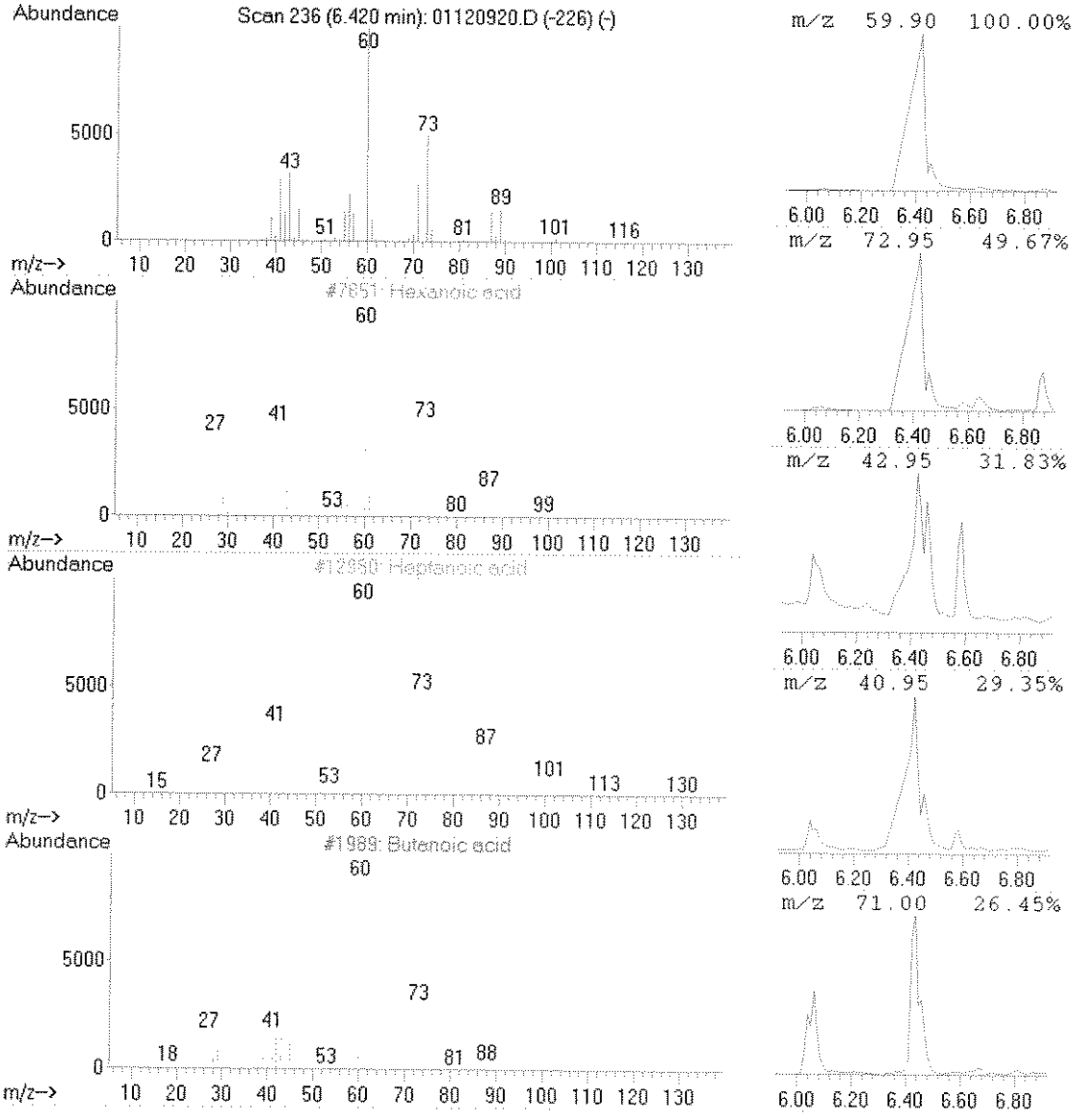
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****

Peak Number 3 Hexanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.42	15.15 PPB	1804200	1,4-DICHLOROBENZENE-d4 INT. STD.	6.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid	116	C6H12O2	000142-62-1	59
2	Heptanoic acid	130	C7H14O2	000111-14-8	53
3	Butanoic acid	88	C4H8O2	000107-92-6	52
4	Pentanoic acid	102	C5H10O2	000109-52-4	50
5	Butanoic acid, 3-methyl-	102	C5H10O2	000503-74-2	50



Data Path : C:\MSDChem\1\DATA\jan09\011209\
Data File : 01120920.D
Acq On : 12 Jan 2009 8:37 pm
Operator : J. Aquilina
Sample : bn smp 082.09*30 33g tcl
Misc : 1/9/09
ALS Vial : 21 Sample Multiplier: 1

Quant Title :

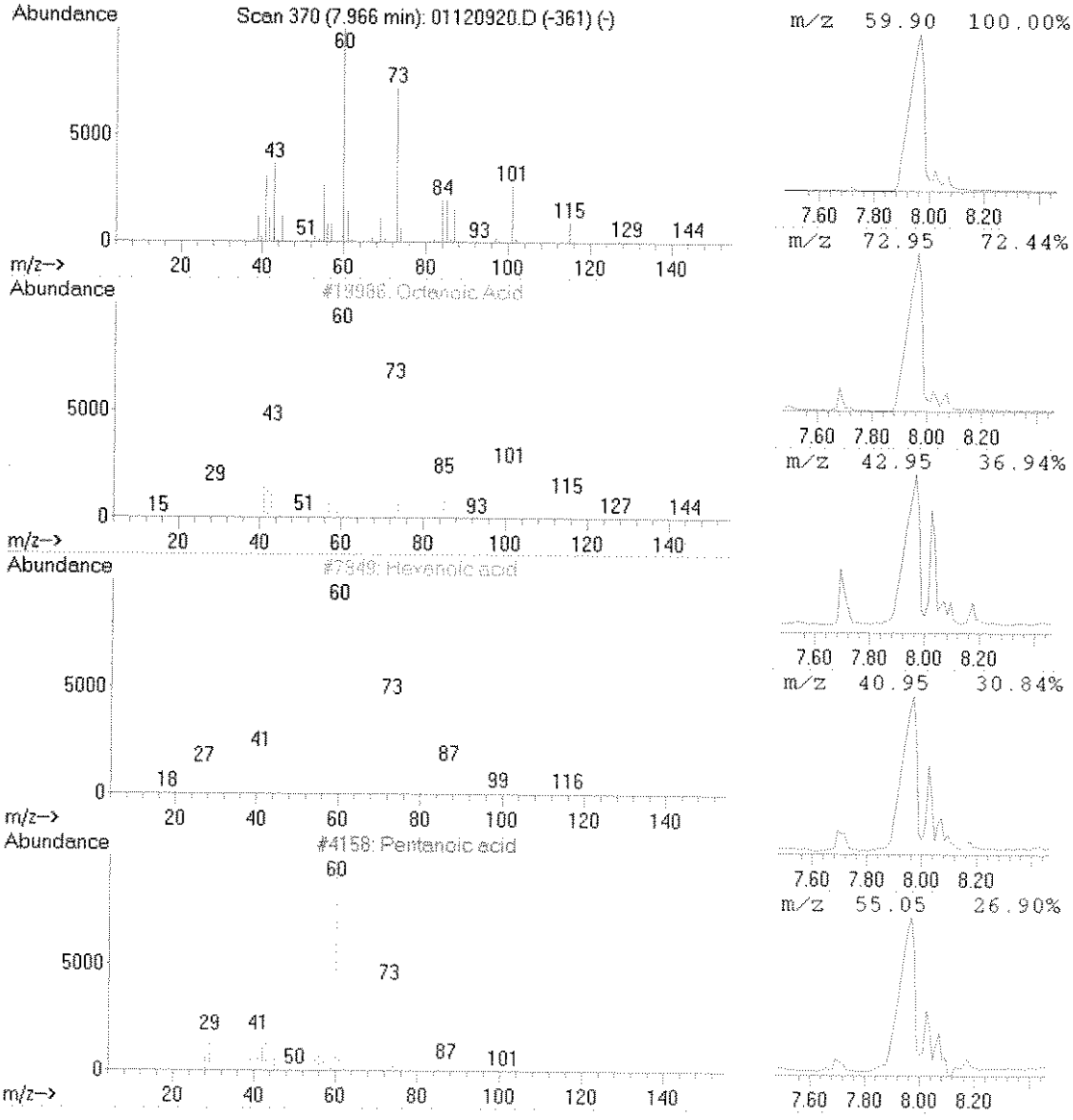
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****

Peak Number 4 Octanoic Acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.97	21.05 PPB	2912480	NAPHTHALENE-d8 INT. STD.	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanoic Acid	144	C8H16O2	000124-07-2	90
2	Hexanoic acid	116	C6H12O2	000142-62-1	52
3	Pentanoic acid	102	C5H10O2	000109-52-4	43
4	Heptanoic acid	130	C7H14O2	000111-14-8	42
5	Butanoic acid, 3-methyl-	102	C5H10O2	000503-74-2	37



Data Path : C:\MSDChem\1\DATA\jan09\011209\
Data File : 01120920.D
Acq On : 12 Jan 2009 8:37 pm
Operator : J. Aquilina
Sample : bn smp 082.09*30 33g tcl
Misc : 1/9/09
ALS Vial : 21 Sample Multiplier: 1

Quant Title :

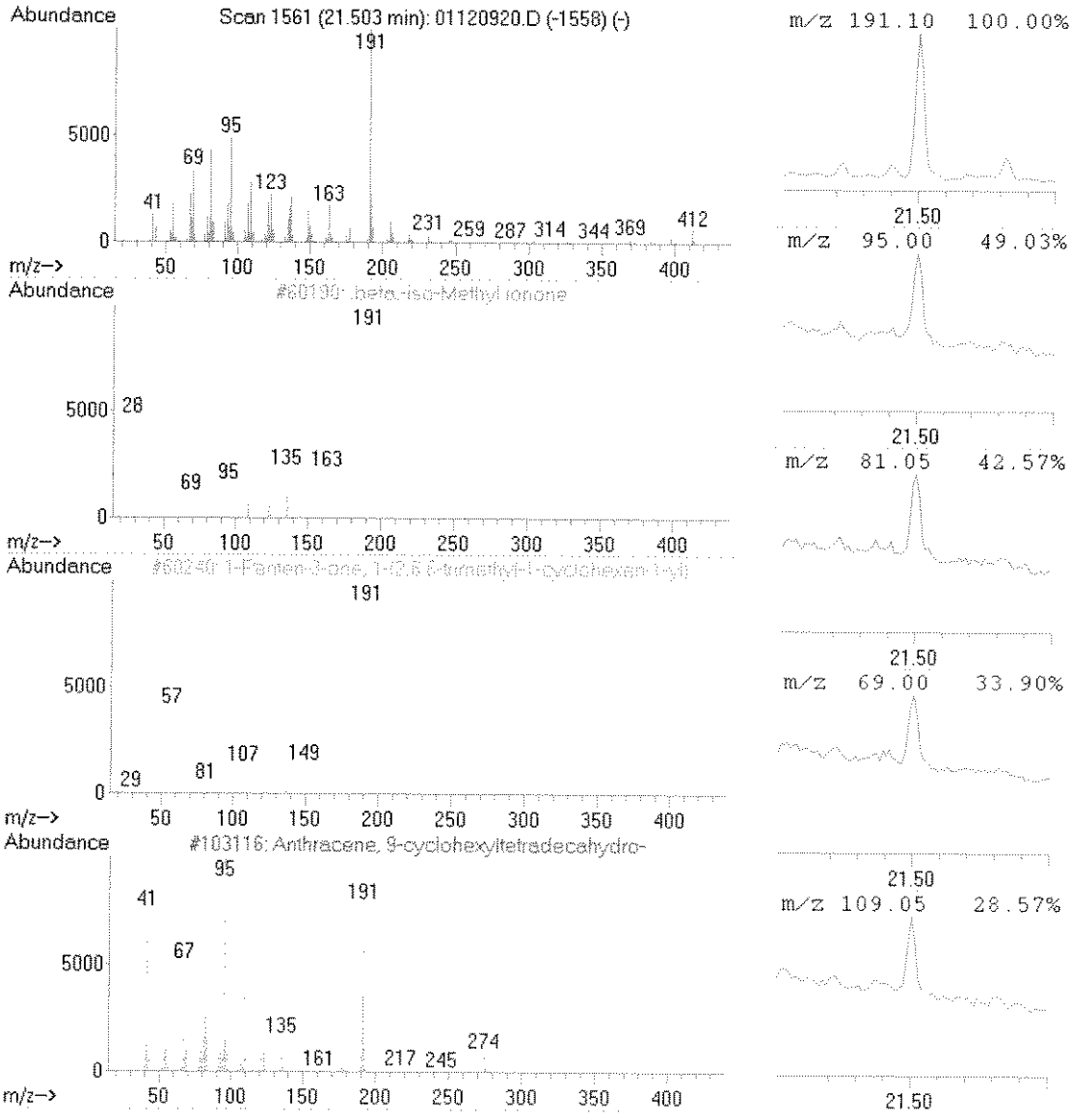
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****

Peak Number 5 .beta.-iso-Methyl ionone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.50	13.85 PPB	892912	PERYLENE-d12 INT. STD.	19.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	64
2	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	50
3	Anthracene, 9-cyclohexyltetradec...	274	C20H34	055255-70-4	38
4	5-(p-Aminophenyl)-2-thiazolamine	191	C9H9N3S	090349-87-4	38
5	1,4,5,6-Tetrahydrocyclopentapyra...	326	C19H26N4O	1000265-46-6	27



	0027	↓	10.0g	↓	0027 x100	↓	↓	↓
	0069	S	10.0g	1.0mL	0069 x100	PAH	N/A	N/A c/u
1/8/09	BNA Blk	TCLP	100.0mL		Blk x10	BNA	"	<2,>12
	Spk				Spk x10			
	Spk				Spk x10			
	LCS				LCS x10			
	0023	TCLP	100.0mL	1.0mL	0023 x10	BNA	-7	<2,>12
1/8/09	Pest Blk			10.0mL	Blk x10	Pest		-7
	Spk				Spk x10			
	Spk				Spk x10			
	LCS				LCS x10			
	0023	TCLP	100.0mL	10.0mL	0023 x10	Pest	-7	-7
1/8/09	GCTPH Blk	N	1000.0mL	1.0mL	Blk x1	GCTPH	↓	↓
	0023	N	1000.0mL	1.0mL	0023 x1	GCTPH	-7	-7
1/9/09	DRO Blk	S	25.0g		Blk x40	DRO	N/A	N/A
	Spk				Spk x40			
	Spk				Spk x40			
	LCS		25.0g		LCS x40			
	0079	↓	25.0g	↓	0079 x40	DRO	↓	↓
	0023	S	5.0g	1.0mL	0023 x200	GCTPH	N/A	N/A
1/9/09	BN Blk		33.3g		Blk x30	BN		
	Spk				Spk x30			
	Spk				Spk x30			
	LCS	S	33.3g	1.0mL	LCS x30	BN	N/A	N/A

EXTRACTION LOG

2	N/A	50.0µL AE, 100.0µL BN	RS	BNA Blk
	↓	↓	↓	Spk
				Spk
				LCS
2	N/A	50.0µL AE, 100.0µL BN	RS	0023
		50.0µL Pest	JS	Pest Blk
1.0 RMP 12-23-08 exp. 6-23-09	↓	↓	↓	Spk
				Spk
				LCS
	N/A	50.0µL Pest	JS	0023
	↓	20.0µL DRO	↓	GCTPH Blk
	N/A	20.0µL DRO	JS	0023
	ASE 2			DRO Blk
	↓	↓	↓	Spk
				Spk
				LCS
				0079
	ASE 2	20.0µL DRO	JS	0023
		100.0µL BN		BN Blk
	↓	↓	↓	Spk
				Spk
	ASE 2	100.0µL BN	JS	LCS

DATE	Sample ID	Matrix	Sample Wt./ Volume	Fin. Vol.	Vial ID or Dil.	Method	Fr pH	Fin. pH
1/9/09	0082.01	S	33.3 g	1.0mL	0082.01 x30	BN	N/A	N/A
	.02				0082.02 x30			
	.03				0082.03 x30			
	.04				0082.04 x30			
	.05				0082.05 x30			
	.06				0082.06 x30			
	.07				0082.07 x30			
	.08				0082.08 x30			
	.09		33.3g		0082.09 x30	BN		
	0077.01		10.0g	2.0mL	0077.01 x200	PAH		
	.02	S	10.0g	2.0mL	0077.02 x200	PAH	N/A	N/A
1/9/09	Herb Blk	TCLP	100.0mL	5.0mL	Blk x10	Herb	~7	<2
	Spk				Spk x10			
	Spk				Spk x10			
	LCS				LCS x10			
	0023	TCLP	100.0mL	5.0mL	0023 x10	Herb	~7	<2
1/12/09	DCPA Blk	W	1000.0mL		Blk x1	DCPA		>12, <2
	Spk				Spk x1			>12, <2
	Spk				Spk x1			
	LCS				LCS x1			
	0056.02				0056.02 x1			
	.03	W	1000.0mL	5.0mL	0056.03 x1	PCPA	~7	>12, <2
1/12/09	PCB Blk	S	25.0g	10.0mL	Blk x40	PCB	N/A	N/A
	Spk				Spk x40			
	Spk				Spk x40			
	LCS		25.0g	10.0mL	LCS x40			
	0077	S	5.0g	2.0mL	0077 x40	PCB	N/A	N/A
1/12/09	PCB Blk	W	1000.0mL	1.0mL	Blk x0.1		~7	~7
	Spk				Spk x0.1			
	Spk	W	1000.0mL	1.0mL	Spk x0.1	PCB	~7	~7

F.n. plt	Comments	ASE/Sonic #	Surrogate Added	Analyst	Sample ID
N/A		ASE 2	100.0 µL BN	JS	0082.01
					.02
					.03
					.04
					.05
					.06
					.07
					.08
					.09
	clu				0077.01
N/A	clu	ASE 2	100.0 µL BN	JS	0077.02
<2		N/A	10.0 µL 515.1	RS	Herb Blk
					Spk
					Spk
					LCS
<2		N/A	10.0 µL 515.1	RS	0023
12, <2				JS/RS	DCPA Blk
12, <2	3.0 DCPA 12-7-08 exp. 2-7-09				Spk
					Spk
					LCS
					0056.02
2, <2		N/A	10.0 µL 515.1	JS/RS	.03
N/A		ASE 2	50.0 µL PCB	JS	PCB Blk
	4.0 1016 6%				Spk
	LCB 45609 6% exp. 1/10				Spk
			50.0 µL PCB		LCS
N/A	6%	ASE 2	10.0 µL PCB	JS	0079
.7		N/A	5.0 µL PCB		PCB Blk
	0.4 1260 7-21-08 exp. 1-21-09				Spk
7		N/A	5.0 µL PCB	JS	Spk

Response Factor Report SVGCMS#3

Method Path : C:\MSDCHEM\1\METHODS\
Method File : G3120108.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Dec 02 11:28:49 2008
Response Via : Initial Calibration

BNA + B2
CURVE CURVE

Calibration Files
30 =12010802.D 10 =12010805.D 1 =12010803.D
20 =12010806.D 40 =12010807.D 60 =12010808.D

		Compound	30	10	1	20	40	60	Avg	%RSD
1)	I	1,4-DICHLOROBENZENE-d	----------ISTD----------							
2)	T	N-NITROSODIMETHYL	0.590	0.661	0.735	0.600	0.590	0.526	0.609	12.47
3)	T	PYRIDINE	1.092	1.144	1.292	1.091	1.054	0.960	1.090	10.36
4)	S	2-FLUOROPHENOL SU	0.877	0.918	0.924	0.905	0.875	0.834	0.880	5.74
5)	S	PHENOL-d6 SURR.	0.963	1.088	1.149	1.054	0.950	0.879	1.006	12.13
6)	T	PHENOL CCC	1.127	1.352		1.238	1.065	0.970	1.132	15.48
7)		aniline	0.631	0.945		0.669	0.585	0.530	0.640	25.59
8)	T	BIS(2-CHLOROETHYL	1.123	1.306	1.483	1.260	1.115	0.996	1.211	18.34
9)	T	2-CHLOROPHENOL	0.861	1.049	1.150	0.937	0.839	0.764	0.907	15.84
10)	T	1,3 DICHLOROBENZE	0.906	1.014	1.158	0.915	0.894	0.783	0.930	16.36
11)	T	1,4 DICHLOROBENZE	0.882	1.038	1.125	0.913	0.827	0.711	0.909	18.85
12)		benzyl alcohol	0.731	0.837	0.903	0.794	0.696	0.656	0.743	13.25
13)	T	1,2-DICHLOROBENZE	0.878	1.074	1.171	0.924	0.853	0.735	0.921	19.07
14)	T	2-METHYLPHENOL	0.785	1.033		0.865	0.741	0.658	0.803	19.70
15)	T	BIS(2-CHLOROISOPR	1.200	1.593		1.304	1.060	0.878	1.209	28.07
16)	T	4-METHYLPHENOL	1.014	1.236	1.276	1.107	0.922	0.809	1.029	19.26
17)	T	N-NITROSO-DI-N-PR	0.530	0.676		0.559	0.480	0.458	0.537	19.24
18)	T	HEXACHLOROETHANE	0.386	0.475	0.514	0.396	0.383	0.333	0.408	18.76
19)	I	NAPHTHALENE-d8 INT. S	----------ISTD----------							
20)	S	NITROBENZENE-d5 S	0.378	0.353	0.376	0.356	0.375	0.390	0.370	3.74
21)	T	NITROBENZENE	0.416	0.455		0.398	0.398	0.390	0.415	8.06
22)	T	ISOPHORONE	0.967	1.083	1.219	1.028	0.985	0.954	1.040	9.69
23)	T	2,4 DIMETHYLPHENO	0.309	0.309	0.391	0.306	0.311	0.295	0.314	10.26
24)	T	Benzoic Acid	0.270	0.230		0.267	0.291	0.311	0.282	11.78
25)	T	2-NITROPHENOL	0.255	0.276	0.271	0.261	0.249	0.233	0.251	7.07
26)	T	BIS(2-CHLOROETHOX	0.548	0.622	0.686	0.573	0.539	0.516	0.575	11.81
27)	T	2,4 DICHLOROPHENO	0.344	0.363	0.366	0.363	0.332	0.298	0.335	8.72
28)	T	1,2,4 TRICHLOROBE	0.324	0.372	0.391	0.337	0.318	0.288	0.334	12.64
29)	T	NAPHTHALENE	1.031	1.164	1.309	1.122	1.017	0.914	1.076	13.26
30)	T	4-CHLOROANILINE	0.400	0.359	0.310	0.381	0.410	0.395	0.367	11.08
31)	T	HEXACHLOROBUTADIE	0.166	0.185	0.208	0.169	0.170	0.153	0.173	11.33
32)	T	4-CHLORO-3-METHYL	0.402	0.419	0.482	0.427	0.402	0.370	0.400	11.02
33)	T	2-METHYLNAPHTHALE	0.712	0.837	0.974	0.761	0.686	0.624	0.747	15.90
34)	T	2-NITROANILINE	0.276	0.291	0.260	0.287	0.275	0.258	0.267	7.34
35)	I	ACENAPHTHENE-d10 INT.	----------ISTD----------							
36)	T	HEXACHLOROCYCLOPE	0.193	0.126		0.169	0.246	0.246	0.207	26.10
37)	T	2,4,6-TRICHLOROPH	0.387	0.425	0.427	0.409	0.387	0.358	0.389	7.52
38)	T	2,4,5 TRICHLOROPH	0.367	0.348	0.469	0.349	0.380	0.372	0.369	12.83
39)	S	2-FLUOROBIPHENYL	1.144	1.136	1.153	1.149	1.212	1.195	1.173	2.76
40)	T	2-CHLORONAPHTHALE	1.403	1.603	1.794	1.455	1.383	1.253	1.468	13.43
41)	T	DIMETHYLPHTHALATE	1.788	2.070	2.274	1.923	1.826	1.665	1.913	10.88
42)	T	2,6 DINITROTOLUEN	0.404	0.500	0.500	0.432	0.400	0.354	0.427	13.75
43)	T	ACENAPHTHYLENE	2.044	2.556	2.885	2.292	2.047	1.762	2.242	17.53
44)	T	3-NITROANILINE	0.449	0.477	0.405	0.457	0.470	0.442	0.441	8.40
45)	T	ACENAPHTHENE CCC	1.270	1.544	1.733	1.436	1.293	1.201	1.399	13.67
46)	T	2,4-DINITROPHENOL	0.206	0.122		0.192	0.234	0.248	0.208	23.00
47)	T	4-NITROPHENOL SP	0.236	0.230		0.275	0.266	0.262	0.250	7.99
48)	T	DIBENZOFURAN	1.852	2.256	2.680	1.994	1.809	1.686	2.001	17.34
49)	T	2,4 DINITROTOLUEN	0.575	0.650	0.502	0.610	0.615	0.573	0.584	7.47
50)	T	DIETHYLPHTHLATE	1.840	2.281	2.618	1.994	1.839	1.717	2.041	16.95
51)	T	4-CHLOROPHENYLPHE	0.535	0.705		0.586	0.555	0.530	0.592	15.92
52)	T	FLUORENE	1.370	1.753		1.543	1.361	1.272	1.464	15.01
53)	T	4-NITROANILINE	0.254	0.256		0.238	0.325	0.361	0.303	20.49
54)	I	PHENANTHRENE-d10 INT.	----------ISTD----------							
55)	T	4,6-DINITRO-2-MET	0.179	0.169		0.187	0.177	0.156	0.170	8.03
56)	T	N-NITROSODIPHENYL	0.504	0.624	0.629	0.532	0.500	0.434	0.535	16.49
57)	T	1,2 DIPHENYLHYDRA	1.347	1.648	1.611	1.428	1.298	1.151	1.404	17.35
58)	S	2,4,6 TRIBROMOPHE	0.108	0.111	0.100	0.113	0.117	0.120	0.113	6.66
59)	T	4-BROMOPHENYLPHEN	0.231	0.289	0.298	0.258	0.236	0.210	0.254	16.15

Method Path : C:\MSDCHEM\1\METHODS\
Method File : G3120108.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Dec 02 11:28:49 2008
Response Via : Initial Calibration

Calibration Files
30 =12010802.D 10 =12010805.D 1 =12010803.D
20 =12010806.D 40 =12010807.D 60 =12010808.D

		Compound	30	10	1	20	40	60	Avg	%RSD
60)	T	HEXACHLOROBENZENE	0.241	0.302	0.309	0.271	0.250	0.225	0.265	13.50
61)	T	PENTACHLOROPHENOL	0.144	0.123		0.142	0.144	0.141	0.139	5.69
62)	T	PHENANTHRENE	1.288	1.526	1.580	1.402	1.228	1.107	1.350	14.88
63)	T	ANTHRACENE	1.336	1.675		1.493	1.295	1.161	1.397	17.02
64)	T	CARBAZOLE	1.520	1.663	1.650	1.553	1.444	1.277	1.483	14.39
65)	T	DI-N-BUTYLPHTHALA	2.244	2.860	2.950	2.499	2.178	1.882	2.421	19.90
66)	T	FLUORANTHENE CCC	1.323	1.602	1.578	1.429	1.248	1.111	1.373	15.21
67)	I	CHRYSENE-d12 INT. STD	----------ISTD----------							
68)	T	BENZIDINE							0.000#	-1.00
69)	T	PYRENE	1.414	1.618	1.762	1.453	1.319	1.224	1.446	13.78
70)	S	TERPHENYL-d14 SUR	0.800	0.784	0.773	0.775	0.817	0.818	0.799	2.71
71)	T	BUTYLBENZYLPHTHAL	1.115	1.264	1.260	1.142	1.098	0.976	1.135	10.53
72)	T	BIS(2-ETHYLHEXYL)	1.497	1.755	1.892	1.551	1.437	1.300	1.557	14.92
73)	T	BENZO(A)ANTHRACEN	1.179	1.256	1.368	1.241	1.161	1.093	1.201	7.39
74)	T	CHRYSENE	1.137	1.273	1.464	1.186	1.092	1.015	1.184	13.09
75)	I	PERYLENE-d12 INT. STD	----------ISTD----------							
76)	T	3,3'-DICHLOROBENZ							0.000#	-1.00
77)	T	DI-N-OCTYL PHTHAL	4.156	4.588	4.775	4.214	4.055	3.679	4.188	10.82
78)	T	BENZO(B)FLOURANTH	1.731	1.686	1.447	1.630	1.585	1.561	1.564	8.46
79)	T	BENZO(K)FLUORANTH	1.406	1.733		1.661	1.479	1.306	1.524	14.86
80)	T	BENZO(A)PYRENE CC	1.350	1.454	1.255	1.403	1.311	1.240	1.330	6.75
81)	T	DIBENZO(A,H)ANTHR	1.037	1.141	0.985	1.090	1.029	0.959	1.015	7.34
82)	T	INDENO(1,2,3-CD)P	1.232	1.202	1.106	1.290	1.225	1.146	1.168	7.23
83)	T	BENZO(G,H,I)PERYL	1.073	1.151	1.139	1.140	1.065	0.971	1.072	8.25

(#) = Out of Range ### Number of calibration levels exceeded format ###

Quantitation Report (No Status)

Data Path : C:\OLDDATA\DEC08\120108\
Data File : 12010802.D
Acq On : 1 Dec 2008 11:05 am
Operator : J. Aquilina
Sample : bna std 30 ppb s08-2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 14 14:24:33 2009
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.71	150	1359445	40.00	PPB		0.00
19) NAPHTHALENE-d8 INT. STD.	8.17	136	2811213	40.00	PPB		0.00
35) ACENAPHTHENE-d10 INT. STD.	10.28	162	1369979	40.00	PPB		0.00
54) PHENANTHRENE-d10 INT. STD.	12.04	188	1928538	40.00	PPB		0.00
67) CHRYSENE-d12 INT. STD.	16.28	240	1765568	40.00	PPB		0.01
75) PERYLENE-d12 INT. STD.	19.60	264	1132345	40.00	PPB		0.00
System Monitoring Compounds							
4) 2-FLUOROPHENOL SURR.	5.37	112	2981202	102.16	PPB		-0.07
5) PHENOL-d6 SURR.	6.38	99	3272949	100.94	PPB		-0.05
20) NITROBENZENE-d5 SURR.	7.37	82	2653121	105.44	PPB		0.00
39) 2-FLUOROBIPHENYL SURR.	9.48	172	3919019	94.50	PPB		0.00
58) 2,4,6 TRIBROMOPHENOL SURR.	11.24	330	519299	95.50	PPB		0.00
70) TERPHENYL-d14 SURR.	14.26	244	3530133	105.82	PPB		0.00
Target Compounds							Qvalue
2) N-NITROSODIMETHYLAMINE	3.95	74	601664	30.65	PPB		98
3) PYRIDINE	3.94	79	1113572	32.50	PPB		96
6) PHENOL CCC	6.39	94	1148826	29.93	PPB		83
7) aniline	6.39	93	643389	18.41	PPB		96
8) BIS(2-CHLOROETHYL)ETHER	6.45	93	1144735	29.12	PPB		98
9) 2-CHLOROPHENOL	6.51	128	877712	28.59	PPB		100
10) 1,3 DICHLOROBENZENE	6.66	146	924068	28.10	PPB		96
11) 1,4 DICHLOROBENZENE CCC	6.72	146	899046	29.32	PPB		97
12) benzyl alcohol	6.89	79	744978	33.42	PPB		96
13) 1,2-DICHLOROBENZENE	6.93	146	894968	28.10	PPB		96
14) 2-METHYLPHENOL	7.05	108	800099	28.55	PPB	#	62
15) BIS(2-CHLOROISOPROPYL)ETHE	7.05	45	1223980	31.50	PPB	#	95
16) 4-METHYLPHENOL	7.21	107	1033565	29.35	PPB		97
17) N-NITROSO-DI-N-PROPYLAMINE	7.22	43	540014	29.95	PPB		99
18) HEXACHLOROETHANE	7.28	117	393346	28.52	PPB		97
21) NITROBENZENE	7.39	77	878096	30.10	PPB		94
22) ISOPHORONE	7.66	82	2037950	30.47	PPB		99
23) 2,4 DIMETHYLPHENOL	7.81	107	652543	25.81	PPB		96
24) Benzoic Acid	8.02	105	569805	26.38	PPB		89
25) 2-NITROPHENOL	7.75	139	536645	30.02	PPB		91
26) BIS(2-CHLOROETHOXY)METHANE	7.90	93	1156435	30.19	PPB		98
27) 2,4 DICHLOROPHENOL CCC	8.04	162	724900	31.29	PPB		97
28) 1,2,4 TRICHLOROBENZENE	8.13	180	682893	28.41	PPB		100
29) NAPHTHALENE	8.20	128	2173351	28.71	PPB		98
30) 4-CHLOROANILINE	8.29	127	844335	30.00	PPB		97
31) HEXACHLOROBUTADIENE CCC	8.40	225	349649	28.77	PPB		99
32) 4-CHLORO-3-METHYLPHENOL CC	8.86	107	848007	33.68	PPB		92
33) 2-METHYLNAPHTHALENE	9.00	142	1500821	29.55	PPB		97
34) 2-NITROANILINE	9.76	138	582281	31.29	PPB		95
36) HEXACHLOROCYCLOPENTADIENE	9.27	237	198046	20.07	PPB		96
37) 2,4,6-TRICHLOROPHENOL CCC	9.39	196	397938	29.17	PPB	#	93
38) 2,4,5 TRICHLOROPHENOL	9.44	196	376744	27.02	PPB		95
40) 2-CHLORONAPHTHALENE	9.59	162	1441057	28.81	PPB		99
41) DIMETHYLPHTHALATE	10.00	163	1836721	29.25	PPB		97
42) 2,6 DINITROTOLUENE	10.08	165	414922	28.64	PPB		99
43) ACENAPHTHYLENE	10.09	152	2100216	27.90	PPB		98
44) 3-NITROANILINE	9.76	65	460879	33.19	PPB		91
45) ACENAPHTHENE CCC	10.31	153	1305333	28.46	PPB		99
46) 2,4-DINITROPHENOL SPCC	10.39	184	211153	27.71	PPB		95
47) 4-NITROPHENOL SPCC	10.51	65	242007m	31.18	PPB		
48) DIBENZOFURAN	10.50	168	1902424	28.67	PPB		94
49) 2,4 DINITROTOLUENE	10.56	165	590869	28.74	PPB		94
50) DIETHYLPHTHLATE	10.84	149	1890929	28.78	PPB		100
51) 4-CHLOROPHENYLPHENYL ETHER	10.90	204	549699	25.64	PPB		93

Quantitation Report (No Status)

Data Path : C:\OLDDATA\DEC08\120108\
Data File : 12010802.D
Acq On : 1 Dec 2008 11:05 am
Operator : J. Aquilina
Sample : bna std 30 ppb s08-2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 14 14:24:33 2009
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration

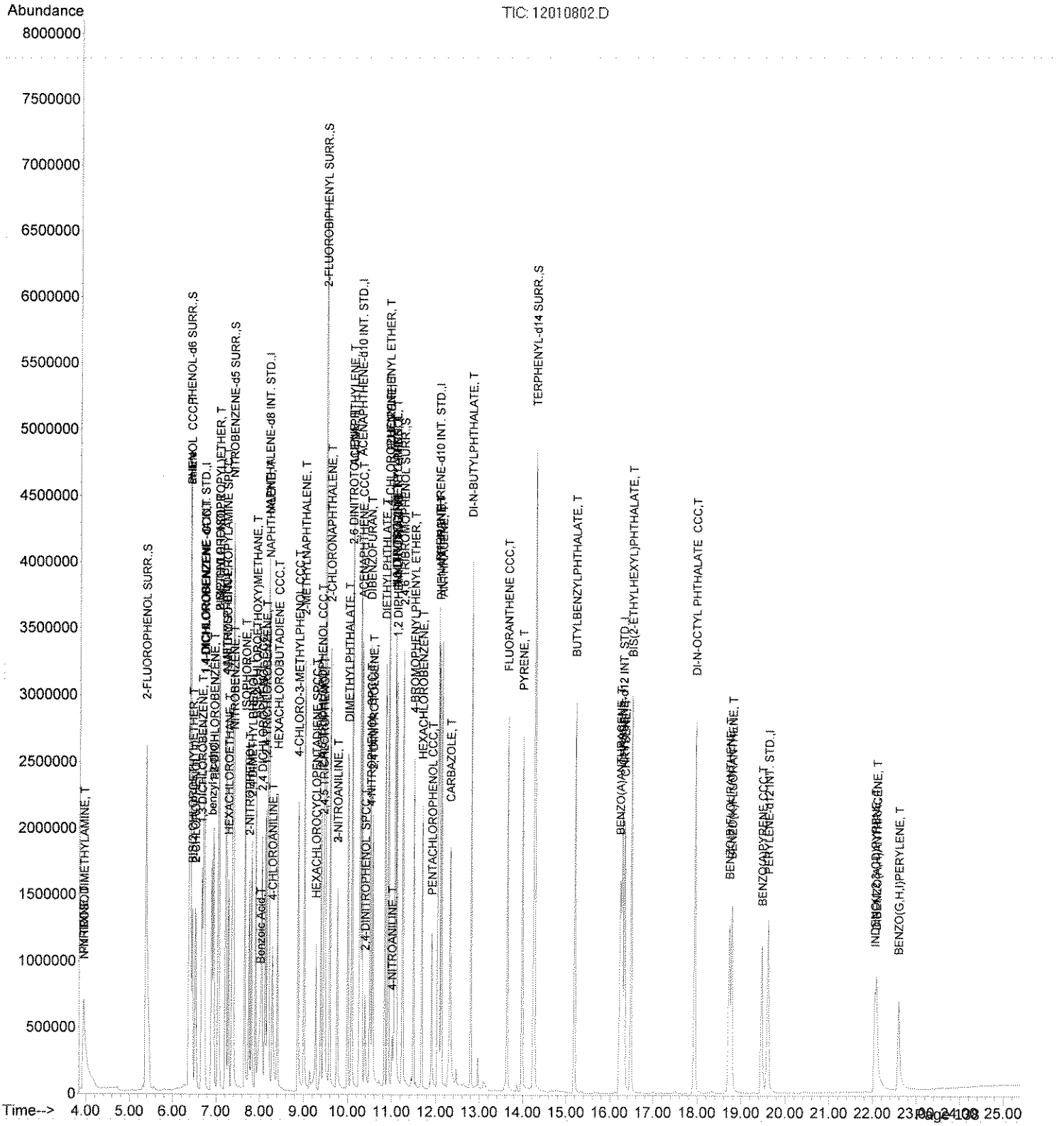
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
52) FLUORENE	10.92	166	1408092	27.69 PPB		96
53) 4-NITROANILINE	11.01	138	261319	26.45 PPB	#	74
55) 4,6-DINITRO-2-METHYLPHENOL	11.06	198	259513	31.00 PPB	#	86
56) N-NITROSODIPHENYLAMINE	11.06	168	728531	28.61 PPB	#	98
57) 1,2 DIPHENYLHYDRAZINE	11.09	77	1948546	31.58 PPB		95
59) 4-BROMOPHENYLPHENYL ETHER	11.49	248	334580	27.91 PPB		95
60) HEXACHLOROBENZENE	11.68	284	347923	27.67 PPB	#	99
61) PENTACHLOROPHENOL CCC	11.91	266	207984	29.29 PPB		96
62) PHENANTHRENE	12.06	178	1862983	29.03 PPB		100
63) ANTHRACENE	12.12	178	1932375	28.05 PPB		99
64) CARBAZOLE	12.32	167	2198170m	30.21 PPB		
65) DI-N-BUTYLPHTHALATE	12.80	149	3246192	29.48 PPB		99
66) FLUORANTHENE CCC	13.64	202	1913624	29.32 PPB		99
68) BENZIDINE	0.00	184	0	N.D.		
69) PYRENE	13.98	202	1872475	32.18 PPB		99
71) BUTYLBENZYLPHTHALATE	15.19	149	1476316	32.12 PPB		97
72) BIS(2-ETHYLHEXYL)PHTHALATE	16.49	149	1982067	31.95 PPB		97
73) BENZO(A)ANTHRACENE	16.23	228	1561131	29.07 PPB		100
74) CHRYSENE	16.33	228	1505552	29.55 PPB		100
76) 3,3'-DICHLOROBENZIDINE	0.00	252	0	N.D.		
77) DI-N-OCTYL PHTHALATE CCC	17.94	149	3529685	37.31 PPB		100
78) BENZO(B)FLOURANTHENE	18.72	252	1470246	33.51 PPB		99
79) BENZO(K)FLUORANTHENE	18.78	252	1194162	29.50 PPB		99
80) BENZO(A)PYRENE CCC	19.47	252	1146590	30.52 PPB		93
81) DIBENZO(A,H)ANTHRACENE	22.08	278	880653m	27.80 PPB		
82) INDENO(1,2,3-CD)PYRENE	22.04	276	1046628m	29.61 PPB		
83) BENZO(G,H,I)PERYLENE	22.59	276	910881m	27.10 PPB		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (No Status)

Data Path : C:\OLDDATA\DEC08\120108\
Data File : 12010802.D
Acq On : 1 Dec 2008 11:05 am
Operator : J. Aquilina
Sample : bna std 30 ppb s08-2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 14 14:24:33 2009
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration



Quantitation Report (No Status)

Data Path : C:\OLDDATA\DEC08\120108\
Data File : 12010803.D
Acq On : 1 Dec 2008 11:41 am
Operator : J. Aquilina
Sample : bna std 1 ppb s08-2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 14 14:24:56 2009
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.70	150	1155923	40.00 PPB		0.00
19) NAPHTHALENE-d8 INT. STD.	8.17	136	2760006	40.00 PPB		0.00
35) ACENAPHTHENE-d10 INT. STD.	10.27	162	1392506	40.00 PPB		0.00
54) PHENANTHRENE-d10 INT. STD.	12.04	188	2059707	40.00 PPB		0.00
67) CHRYSENE-d12 INT. STD.	16.27	240	1865943	40.00 PPB		0.00
75) PERYLENE-d12 INT. STD.	19.60	264	1152153	40.00 PPB		0.00
System Monitoring Compounds						
4) 2-FLUOROPHENOL SURR.	5.37	112	2669116	107.57 PPB		-0.06
5) PHENOL-d6 SURR.	6.37	99	3319977	120.42 PPB		-0.06
20) NITROBENZENE-d5 SURR.	7.37	82	2594473	105.02 PPB		0.00
39) 2-FLUOROBIPHENYL SURR.	9.47	172	4014033	95.23 PPB		0.00
58) 2,4,6 TRIBROMOPHENOL SURR.	11.23	330	515209	88.72 PPB		-0.02
70) TERPHENYL-d14 SURR.	14.27	244	3607908	102.33 PPB		0.00
Target Compounds						Qvalue
2) N-NITROSODIMETHYLAMINE	3.98	74	21233m	1.27 PPB		
3) PYRIDINE	3.99	79	37342m	1.28 PPB		
6) PHENOL CCC	6.38	94	47274	1.45 PPB	#	1
7) aniline	6.40	93	37730	1.27 PPB	#	6
8) BIS(2-CHLOROETHYL)ETHER	6.45	93	42854	1.28 PPB		99
9) 2-CHLOROPHENOL	6.52	128	33234	1.27 PPB		99
10) 1,3 DICHLOROBENZENE	6.66	146	33457	1.20 PPB		94
11) 1,4 DICHLOROBENZENE CCC	6.72	146	32516	1.25 PPB	#	82
12) benzyl alcohol	6.90	79	26096	1.38 PPB		95
13) 1,2-DICHLOROBENZENE	6.94	146	33853	1.25 PPB		98
14) 2-METHYLPHENOL	7.04	108	34458	1.45 PPB	#	64
15) BIS(2-CHLOROISOPROPYL)ETHE	7.04	45	53664	1.62 PPB	#	91
16) 4-METHYLPHENOL	7.22	107	36873	1.23 PPB		90
17) N-NITROSO-DI-N-PROPYLAMINE	7.21	43	22102	1.44 PPB		91
18) HEXACHLOROETHANE	7.28	117	14840	1.27 PPB		96
21) NITROBENZENE	7.38	77	40212	1.40 PPB		90
22) ISOPHORONE	7.65	82	84102	1.28 PPB		98
23) 2,4 DIMETHYLPHENOL	7.82	107	26954	1.09 PPB		96
24) Benzoic Acid	7.98	105	8252	0.39 PPB	#	69
25) 2-NITROPHENOL	7.76	139	18723	1.07 PPB		89
26) BIS(2-CHLOROETHOXY)METHANE	7.90	93	47314	1.26 PPB		98
27) 2,4 DICHLOROPHENOL CCC	8.09	162	25260	1.11 PPB		96
28) 1,2,4 TRICHLOROBENZENE	8.12	180	27012	1.14 PPB		99
29) NAPHTHALENE	8.19	128	90347	1.22 PPB		87
30) 4-CHLOROANILINE	8.32	127	21403	0.77 PPB		83
31) HEXACHLOROBUTADIENE CCC	8.40	225	14358	1.20 PPB		98
32) 4-CHLORO-3-METHYLPHENOL CC	8.90	107	33245m	1.35 PPB		
33) 2-METHYLNAPHTHALENE	9.01	142	67214	1.35 PPB		95
34) 2-NITROANILINE	9.79	138	17913m	0.98 PPB		
36) HEXACHLOROCYCLOPENTADIENE	9.27	237	444	N.D.		
37) 2,4,6-TRICHLOROPHENOL CCC	9.41	196	14855	1.07 PPB	#	94
38) 2,4,5 TRICHLOROPHENOL	9.49	196	16316	1.15 PPB		88
40) 2-CHLORONAPHTHALENE	9.59	162	62469	1.23 PPB		97
41) DIMETHYLPHTHALATE	9.99	163	79160	1.24 PPB		96
42) 2,6 DINITROTOLUENE	10.09	165	17389	1.18 PPB		87
43) ACENAPHTHYLENE	10.09	152	100435	1.31 PPB		95
44) 3-NITROANILINE	9.78	65	14083	1.00 PPB		93
45) ACENAPHTHENE CCC	10.30	153	60320	1.29 PPB		94
46) 2,4-DINITROPHENOL SPCC	0.00	184	0	N.D.		
47) 4-NITROPHENOL SPCC	10.64	65	0	N.D.		
48) DIBENZOFURAN	10.50	168	93315	1.38 PPB		78
49) 2,4 DINITROTOLUENE	10.57	165	17467	0.84 PPB		83
50) DIETHYLPHTHLATE	10.83	149	91124	1.36 PPB		99
51) 4-CHLOROPHENYLPHENYL ETHER	10.91	204	28244	1.30 PPB		88

Quantitation Report (No Status)

Data Path : C:\OLDDATA\DEC08\120108\
Data File : 12010803.D
Acq On : 1 Dec 2008 11:41 am
Operator : J. Aquilina
Sample : bna std 1 ppb s08-2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 14 14:24:56 2009
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration

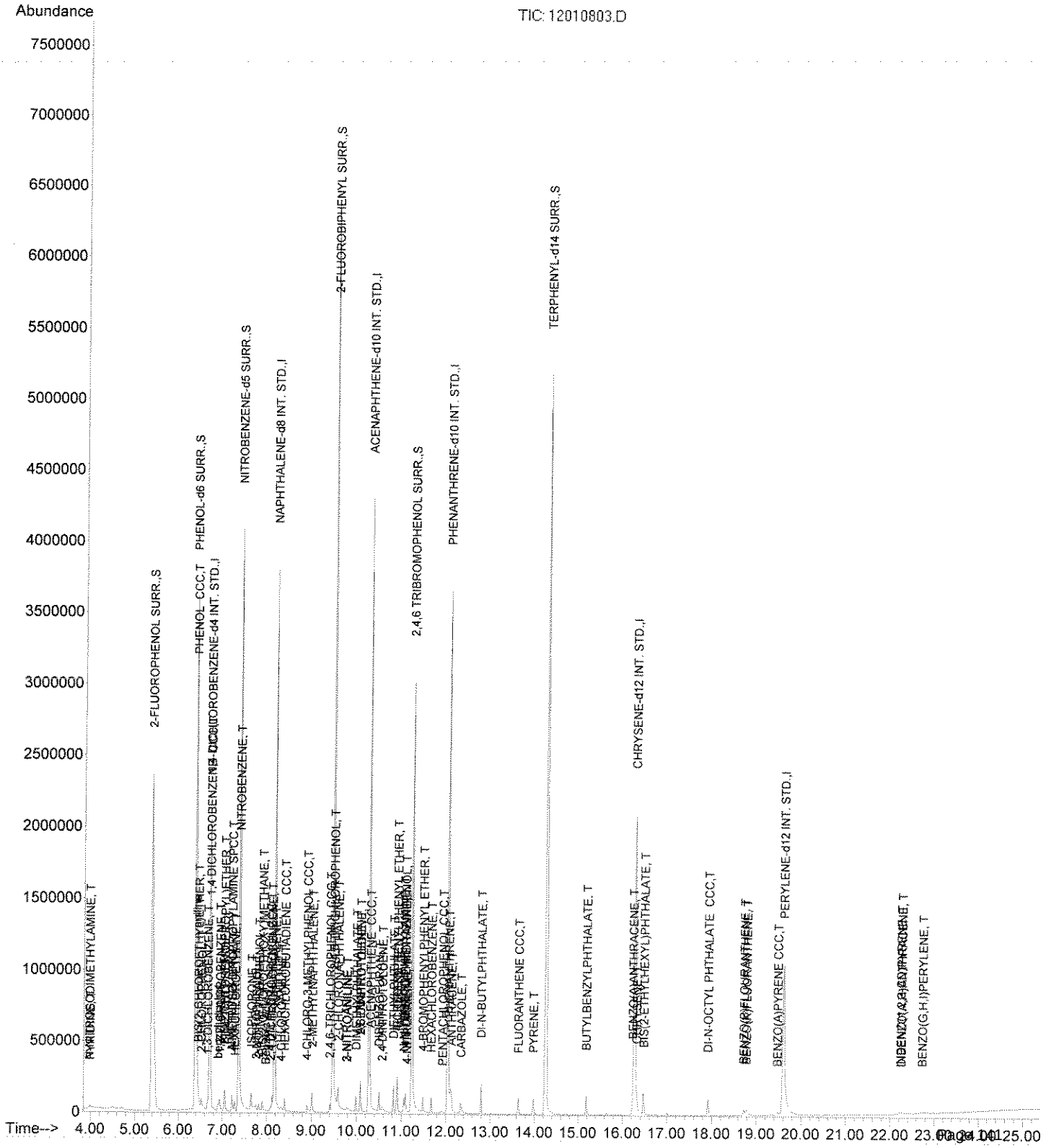
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
52) FLUORENE	10.91	166	70226	1.36 PPB		100
53) 4-NITROANILINE	11.13	138	6212m	0.62 PPB		
55) 4,6-DINITRO-2-METHYLPHENOL	11.09	198	3172	0.35 PPB	#	1
56) N-NITROSODIPHENYLAMINE	11.06	168	32408	1.19 PPB	#	98
57) 1,2 DIPHENYLHYDRAZINE	11.09	77	82976	1.26 PPB		88
59) 4-BROMOPHENYLPHENYL ETHER	11.48	248	15368	1.20 PPB		94
60) HEXACHLOROBENZENE	11.67	284	15890	1.18 PPB	#	100
61) PENTACHLOROPHENOL CCC	11.92	266	2357	0.31 PPB		93
62) PHENANTHRENE	12.06	178	81382	1.19 PPB		97
63) ANTHRACENE	12.12	178	92142	1.25 PPB		100
64) CARBAZOLE	12.34	167	84951	1.09 PPB		98
65) DI-N-BUTYLPHTHALATE	12.79	149	151899	1.29 PPB		98
66) FLUORANTHENE CCC	13.64	202	81261	1.17 PPB		99
68) BENZIDINE	0.00	184	0	N.D.		
69) PYRENE	13.98	202	82191	1.34 PPB		99
71) BUTYLBENZYLPHTHALATE	15.18	149	58788	1.21 PPB		98
72) BIS(2-ETHYLHEXYL)PHTHALATE	16.47	149	88255	1.35 PPB		98
73) BENZO(A)ANTHRACENE	16.23	228	63799	1.12 PPB		97
74) CHRYSENE	16.32	228	68314	1.27 PPB		99
76) 3,3'-DICHLOROBENZIDINE	0.00	252	0	N.D.		
77) DI-N-OCTYL PHTHALATE CCC	17.92	149	137540	1.43 PPB		96
78) BENZO(B)FLOURANTHENE	18.72	252	41678	0.93 PPB		94
79) BENZO(K)FLUORANTHENE	18.77	252	64095m	1.56 PPB		
80) BENZO(A)PYRENE CCC	19.47	252	36135	0.95 PPB		91
81) DIBENZO(A,H)ANTHRACENE	22.26	278	28373m	0.88 PPB		
82) INDENO(1,2,3-CD)PYRENE	22.23	276	31851m	0.89 PPB		
83) BENZO(G,H,I)PERYLENE	22.73	276	32794m	0.96 PPB		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (No Status)

Data Path : C:\OLDDATA\DEC08\120108\
Data File : 12010803.D
Acq On : 1 Dec 2008 11:41 am
Operator : J. Aquilina
Sample : bna std 1 ppb s08-2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 14 14:24:56 2009
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration



Quantitation Report (No Status)

Data Path : C:\OLDDATA\DEC08\120108\
Data File : 12010804.D
Acq On : 1 Dec 2008 12:17 pm
Operator : J. Aquilina
Sample : bna std 3 ppb s08-2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 14 14:25:00 2009
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.70	150	1049891	40.00	PPB		0.00
19) NAPHTHALENE-d8 INT. STD.	8.17	136	2476752	40.00	PPB		0.00
35) ACENAPHTHENE-d10 INT. STD.	10.27	162	1229708	40.00	PPB		0.00
54) PHENANTHRENE-d10 INT. STD.	12.03	188	1676903	40.00	PPB		0.00
67) CHRYSENE-d12 INT. STD.	16.26	240	1602918	40.00	PPB		0.00
75) PERYLENE-d12 INT. STD.	19.60	264	1024638	40.00	PPB		0.00
System Monitoring Compounds							
4) 2-FLUOROPHENOL SURR.	5.36	112	2431703	107.90	PPB		-0.07
5) PHENOL-d6 SURR.	6.37	99	3001788	119.87	PPB		-0.06
20) NITROBENZENE-d5 SURR.	7.37	82	2194621	98.99	PPB		0.00
39) 2-FLUOROBIPHENYL SURR.	9.46	172	3605878	96.87	PPB		0.00
58) 2,4,6 TRIBROMOPHENOL SURR.	11.24	330	465909	98.54	PPB		0.00
70) TERPHENYL-d14 SURR.	14.26	244	3169971	104.67	PPB		0.00
Target Compounds							Qvalue
2) N-NITROSODIMETHYLAMINE	3.97	74	52353m	3.45	PPB		
3) PYRIDINE	3.97	79	90491	3.42	PPB		87
6) PHENOL CCC	6.39	94	102198	3.45	PPB	#	1
7) aniline	6.39	93	72862	2.70	PPB	#	10
8) BIS(2-CHLOROETHYL)ETHER	6.44	93	119272	3.93	PPB		91
9) 2-CHLOROPHENOL	6.52	128	74149	3.13	PPB		100
10) 1,3 DICHLOROBENZENE	6.66	146	85099	3.35	PPB		100
11) 1,4 DICHLOROBENZENE CCC	6.71	146	87234	3.68	PPB		100
12) benzyl alcohol	6.89	79	57424	3.34	PPB		97
13) 1,2-DICHLOROBENZENE	6.94	146	84329	3.43	PPB		97
14) 2-METHYLPHENOL	7.04	108	74908	3.46	PPB	#	64
15) BIS(2-CHLOROISOPROPYL)ETHE	7.05	45	130899	4.36	PPB	#	93
16) 4-METHYLPHENOL	7.21	107	90219	3.32	PPB		98
17) N-NITROSO-DI-N-PROPYLAMINE	7.21	43	51995	3.73	PPB		93
18) HEXACHLOROETHANE	7.28	117	38106	3.58	PPB		99
21) NITROBENZENE	7.38	77	86548	3.37	PPB		97
22) ISOPHORONE	7.65	82	212583	3.61	PPB		98
23) 2,4 DIMETHYLPHENOL	7.81	107	56935	2.56	PPB		97
24) Benzoic Acid	7.96	105	23675	1.24	PPB		86
25) 2-NITROPHENOL	7.76	139	43112	2.74	PPB		90
26) BIS(2-CHLOROETHOXY)METHANE	7.90	93	118245	3.50	PPB		98
27) 2,4 DICHLOROPHENOL CCC	8.07	162	59578	2.92	PPB		95
28) 1,2,4 TRICHLOROBENZENE	8.13	180	68827	3.25	PPB		99
29) NAPHTHALENE	8.20	128	217269	3.26	PPB		97
30) 4-CHLOROANILINE	8.30	127	56066	2.26	PPB		94
31) HEXACHLOROBUTADIENE CCC	8.39	225	34676	3.24	PPB		96
32) 4-CHLORO-3-METHYLPHENOL CC	8.89	107	65050	2.93	PPB		90
33) 2-METHYLNAPHTHALENE	9.00	142	142704	3.19	PPB		94
34) 2-NITROANILINE	9.76	138	42810m	2.61	PPB		
36) HEXACHLOROCYCLOPENTADIENE	9.28	237	3890	0.44	PPB		93
37) 2,4,6-TRICHLOROPHENOL CCC	9.39	196	33448	2.73	PPB	#	92
38) 2,4,5 TRICHLOROPHENOL	9.48	196	27652	2.21	PPB		88
40) 2-CHLORONAPHTHALENE	9.59	162	150563	3.35	PPB		99
41) DIMETHYLPHTHALATE	9.98	163	189216	3.36	PPB		99
42) 2,6 DINITROTOLUENE	10.07	165	43574	3.35	PPB		99
43) ACENAPHTHYLENE	10.08	152	233270	3.45	PPB		95
44) 3-NITROANILINE	9.76	65	33893	2.72	PPB		93
45) ACENAPHTHENE CCC	10.30	153	140013	3.40	PPB		98
46) 2,4-DINITROPHENOL SPCC	10.46	184	1512	0.22	PPB	#	22
47) 4-NITROPHENOL SPCC	10.67	65	3921	0.56	PPB	#	18
48) DIBENZOFURAN	10.50	168	194831	3.27	PPB		79
49) 2,4 DINITROTOLUENE	10.57	165	54028	2.93	PPB		96
50) DIETHYLPHTHLATE	10.83	149	219336	3.72	PPB		99
51) 4-CHLOROPHENYLPHENYL ETHER	10.90	204	68150	3.54	PPB		88

Quantitation Report (No Status)

Data Path : C:\OLDDATA\DEC08\120108\
Data File : 12010804.D
Acq On : 1 Dec 2008 12:17 pm
Operator : J. Aquilina
Sample : bna std 3 ppb s08-2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 14 14:25:00 2009
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration

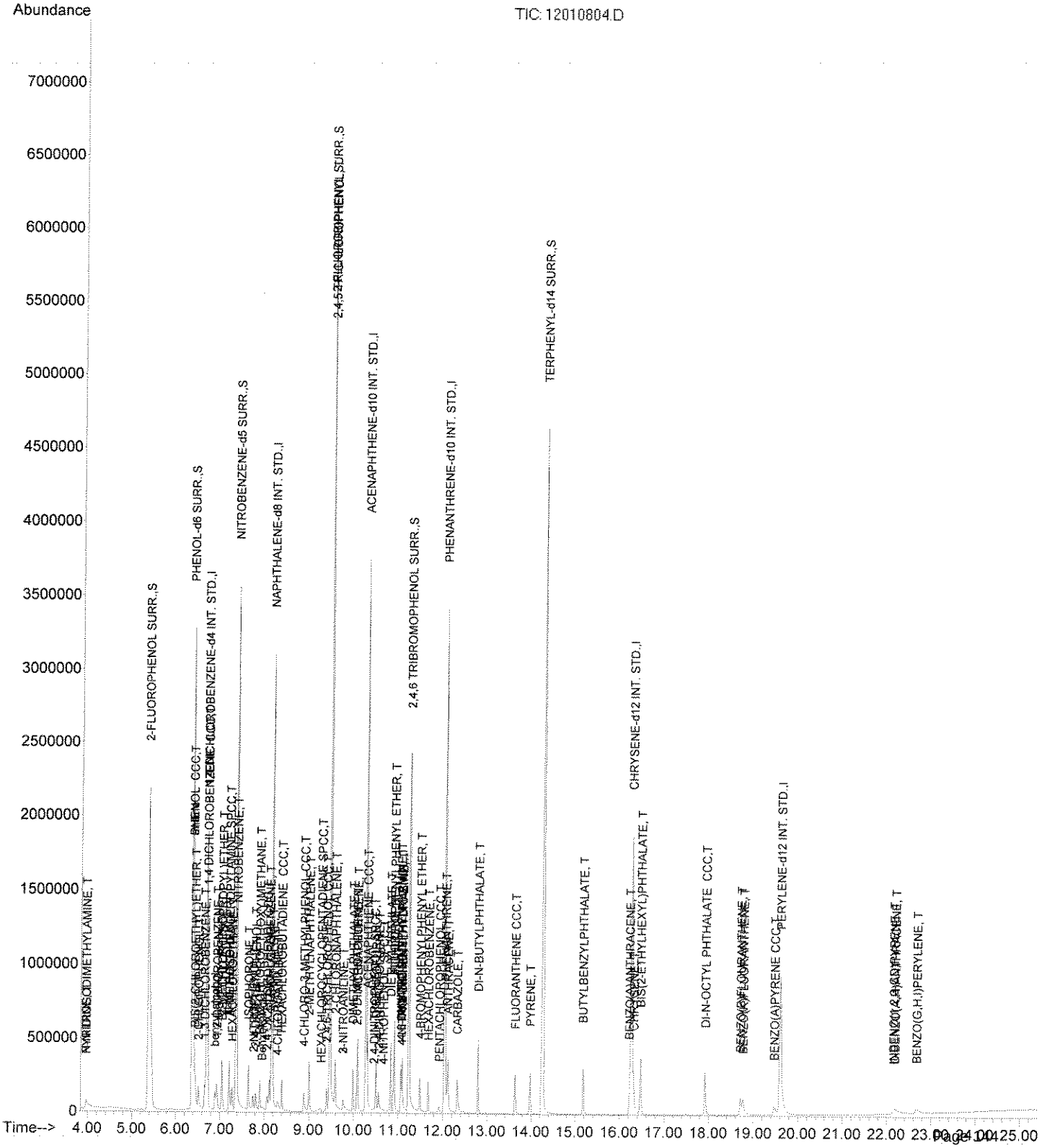
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
52) FLUORENE	10.90	166	160757	3.52 PPB		99
53) 4-NITROANILINE	11.08	138	15395	1.74 PPB	#	52
55) 4,6-DINITRO-2-METHYLPHENOL	11.07	198	11047	1.52 PPB	#	1
56) N-NITROSODIPHENYLAMINE	11.05	168	80411	3.63 PPB	#	93
57) 1,2 DIPHENYLHYDRAZINE	11.09	77	215922	4.02 PPB		88
59) 4-BROMOPHENYLPHENYL ETHER	11.49	248	39031	3.74 PPB		96
60) HEXACHLOROBENZENE	11.68	284	37818	3.46 PPB	#	97
61) PENTACHLOROPHENOL CCC	11.92	266	7122	1.15 PPB		86
62) PHENANTHRENE	12.06	178	198386	3.56 PPB		98
63) ANTHRACENE	12.11	178	215251	3.59 PPB		99
64) CARBAZOLE	12.32	167	211921	3.35 PPB		98
65) DI-N-BUTYLPHTHALATE	12.79	149	376763	3.93 PPB		100
66) FLUORANTHENE CCC	13.63	202	200132	3.53 PPB		100
68) BENZIDINE	0.00	184	0	N.D.		
69) PYRENE	13.97	202	190640	3.61 PPB		99
71) BUTYLBENZYLPHTHALATE	15.17	149	150674	3.61 PPB		98
72) BIS(2-ETHYLHEXYL)PHTHALATE	16.47	149	213549	3.79 PPB		98
73) BENZO(A)ANTHRACENE	16.22	228	144972	2.97 PPB		99
74) CHRYSENE	16.32	228	155562	3.36 PPB		99
76) 3,3'-DICHLOROBENZIDINE	0.00	252	0	N.D.		
77) DI-N-OCTYL PHTHALATE CCC	17.92	149	350862	4.10 PPB		99
78) BENZO(B)FLOURANTHENE	18.71	252	101207	2.55 PPB		87
79) BENZO(K)FLUORANTHENE	18.77	252	141624m	3.87 PPB		
80) BENZO(A)PYRENE CCC	19.47	252	108619m	3.20 PPB		
81) DIBENZO(A,H)ANTHRACENE	22.18	278	73663m	2.57 PPB		
82) INDENO(1,2,3-CD)PYRENE	22.15	276	79267m	2.48 PPB		
83) BENZO(G,H,I)PERYLENE	22.67	276	86684m	2.85 PPB		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (No Status)

Data Path : C:\OLDDATA\DEC08\120108\
Data File : 12010804.D
Acq On : 1 Dec 2008 12:17 pm
Operator : J. Aquilina
Sample : bna std 3 ppb s08-2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 14 14:25:00 2009
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration



Quantitation Report (No Status)

Data Path : C:\OLDDATA\DEC08\120108\
Data File : 12010805.D
Acq On : 1 Dec 2008 12:54 pm
Operator : J. Aquilina
Sample : bna std 10 ppb s08-2
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 14 14:25:04 2009
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.70	150	1069514	40.00	PPB		0.00
19) NAPHTHALENE-d8 INT. STD.	8.17	136	2515722	40.00	PPB		0.00
35) ACENAPHTHENE-d10 INT. STD.	10.27	162	1246669	40.00	PPB		0.00
54) PHENANTHRENE-d10 INT. STD.	12.03	188	1735565	40.00	PPB		0.00
67) CHRYSENE-d12 INT. STD.	16.27	240	1683980	40.00	PPB		0.00
75) PERYLENE-d12 INT. STD.	19.60	264	1053707	40.00	PPB		0.00
System Monitoring Compounds							
4) 2-FLUOROPHENOL SURR.	5.37	112	2454005	106.90	PPB		-0.07
5) PHENOL-d6 SURR.	6.38	99	2909367	114.05	PPB		-0.05
20) NITROBENZENE-d5 SURR.	7.37	82	2218252	98.51	PPB		0.00
39) 2-FLUOROBIPHENYL SURR.	9.47	172	3540968	93.83	PPB		0.00
58) 2,4,6 TRIBROMOPHENOL SURR.	11.24	330	482592	98.62	PPB		0.00
70) TERPHENYL-d14 SURR.	14.26	244	3300692	103.74	PPB		0.00
Target Compounds							Qvalue
2) N-NITROSODIMETHYLAMINE	3.95	74	176763	11.45	PPB		100
3) PYRIDINE	3.95	79	305853	11.35	PPB		93
6) PHENOL CCC	6.39	94	361553	11.97	PPB	#	86
7) aniline	6.39	93	252607	9.19	PPB		93
8) BIS(2-CHLOROETHYL)ETHER	6.45	93	349283	11.29	PPB		99
9) 2-CHLOROPHENOL	6.52	128	280513	11.61	PPB		99
10) 1,3 DICHLOROBENZENE	6.67	146	270997	10.47	PPB		97
11) 1,4 DICHLOROBENZENE CCC	6.71	146	277461	11.50	PPB		98
12) benzyl alcohol	6.89	79	223849	12.76	PPB		98
13) 1,2-DICHLOROBENZENE	6.94	146	287162	11.46	PPB		97
14) 2-METHYLPHENOL	7.04	108	276306	12.53	PPB	#	62
15) BIS(2-CHLOROISOPROPYL)ETHE	7.05	45	425858	13.93	PPB	#	94
16) 4-METHYLPHENOL	7.20	107	330386	11.93	PPB		98
17) N-NITROSO-DI-N-PROPYLAMINE	7.22	43	180716	12.74	PPB		96
18) HEXACHLOROETHANE	7.27	117	127116	11.71	PPB		98
21) NITROBENZENE	7.39	77	286201	10.96	PPB		94
22) ISOPHORONE	7.65	82	680981	11.38	PPB		100
23) 2,4 DIMETHYLPHENOL	7.81	107	194606	8.60	PPB		98
24) Benzoic Acid	7.96	105	144546	7.48	PPB		90
25) 2-NITROPHENOL	7.75	139	173570	10.85	PPB		88
26) BIS(2-CHLOROETHOXY)METHANE	7.90	93	391384	11.42	PPB		96
27) 2,4 DICHLOROPHENOL CCC	8.05	162	228371	11.01	PPB		96
28) 1,2,4 TRICHLOROBENZENE	8.12	180	234108	10.88	PPB		99
29) NAPHTHALENE	8.19	128	732339	10.81	PPB		99
30) 4-CHLOROANILINE	8.29	127	226094	8.98	PPB		99
31) HEXACHLOROBUTADIENE CCC	8.40	225	116046	10.67	PPB		99
32) 4-CHLORO-3-METHYLPHENOL CC	8.87	107	263550	11.70	PPB		91
33) 2-METHYLNAPHTHALENE	9.00	142	526216	11.58	PPB		96
34) 2-NITROANILINE	9.76	138	183216	11.00	PPB		94
36) HEXACHLOROCYCLOPENTADIENE	9.28	237	39164	4.36	PPB		97
37) 2,4,6-TRICHLOROPHENOL CCC	9.38	196	132607	10.68	PPB	#	93
38) 2,4,5 TRICHLOROPHENOL	9.45	196	108592	8.56	PPB		98
40) 2-CHLORONAPHTHALENE	9.59	162	499506	10.97	PPB		99
41) DIMETHYLPHTHALATE	9.99	163	645269	11.29	PPB		98
42) 2,6 DINITROTOLUENE	10.08	165	155836	11.82	PPB		98
43) ACENAPHTHYLENE	10.09	152	796575	11.63	PPB		96
44) 3-NITROANILINE	9.76	65	148720	11.77	PPB		93
45) ACENAPHTHENE CCC	10.31	153	481176	11.53	PPB		99
46) 2,4-DINITROPHENOL SPCC	10.40	184	37918	5.47	PPB		94
47) 4-NITROPHENOL SPCC	10.55	65	71657m	10.14	PPB		
48) DIBENZOFURAN	10.49	168	703021	11.64	PPB		79
49) 2,4 DINITROTOLUENE	10.55	165	202479	10.82	PPB		98
50) DIETHYLPHTHLATE	10.84	149	710796	11.89	PPB		99
51) 4-CHLOROPHENYLPHENYL ETHER	10.91	204	219849	11.27	PPB		91

Quantitation Report (No Status)

Data Path : C:\OLDDATA\DEC08\120108\
Data File : 12010805.D
Acq On : 1 Dec 2008 12:54 pm
Operator : J. Aquilina
Sample : bna std 10 ppb s08-2
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 14 14:25:04 2009
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration

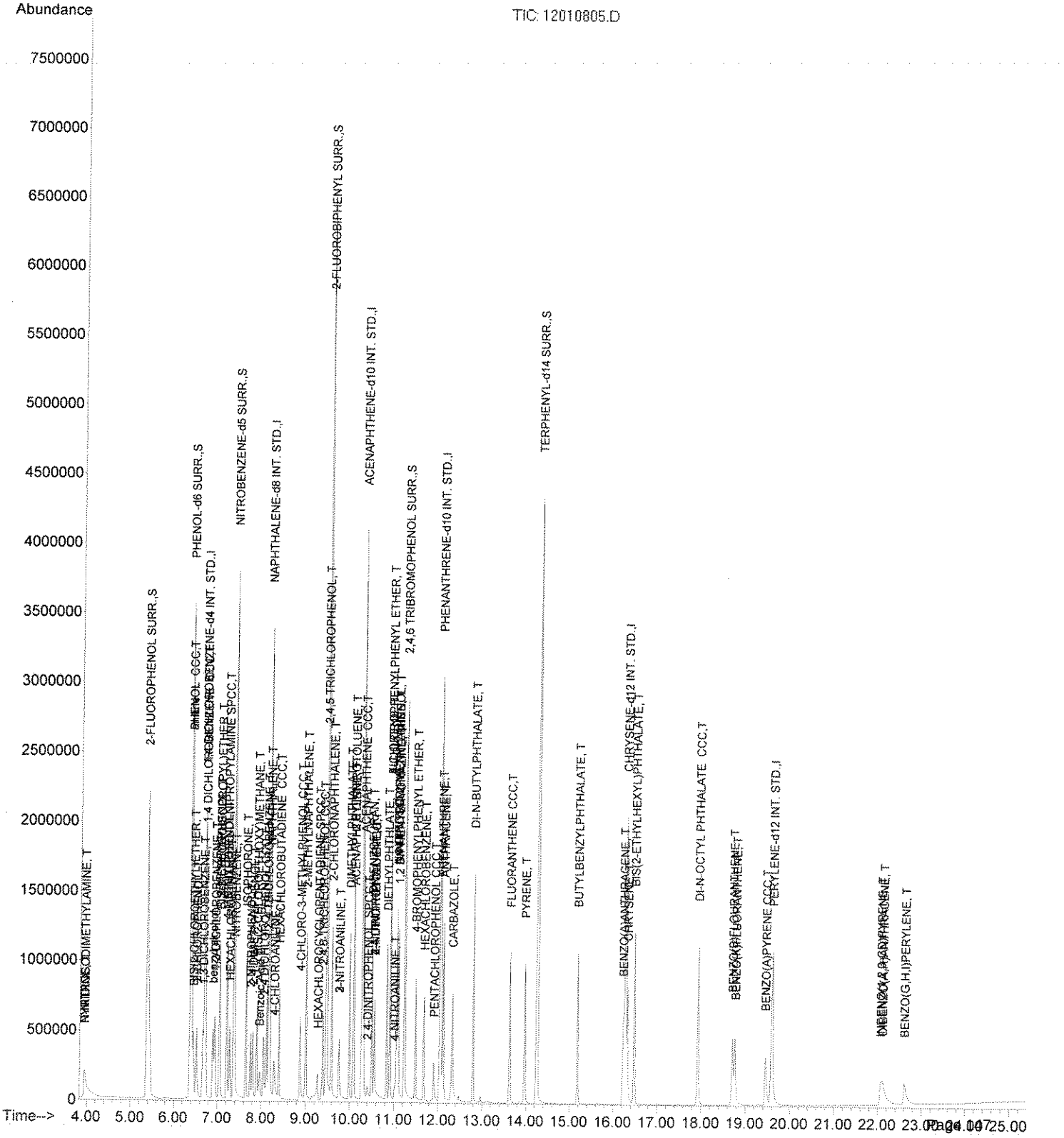
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
52) FLUORENE	10.91	166	546492	11.81 PPB		98
53) 4-NITROANILINE	11.01	138	79732	8.87 PPB	#	45
55) 4,6-DINITRO-2-METHYLPHENOL	11.05	198	73300	9.73 PPB	#	22
56) N-NITROSODIPHENYLAMINE	11.05	168	270611	11.81 PPB	#	97
57) 1,2 DIPHENYLHYDRAZINE	11.09	77	715181	12.88 PPB		91
59) 4-BROMOPHENYLPHENYL ETHER	11.48	248	125423	11.63 PPB		95
60) HEXACHLOROBENZENE	11.67	284	131041	11.58 PPB	#	100
61) PENTACHLOROPHENOL CCC	11.90	266	53426	8.36 PPB		95
62) PHENANTHRENE	12.07	178	662026	11.46 PPB		99
63) ANTHRACENE	12.11	178	726962	11.73 PPB		100
64) CARBAZOLE	12.32	167	721486	11.02 PPB		97
65) DI-N-BUTYLPHTHALATE	12.80	149	1241112	12.52 PPB		99
66) FLUORANTHENE CCC	13.63	202	695054	11.83 PPB		99
68) BENZIDINE	0.00	184	0	N.D.		
69) PYRENE	13.97	202	681354	12.28 PPB		99
71) BUTYLBENZYLPHTHALATE	15.17	149	532161	12.14 PPB		97
72) BIS(2-ETHYLHEXYL)PHTHALATE	16.47	149	738881	12.49 PPB		97
73) BENZO(A)ANTHRACENE	16.22	228	528682	10.32 PPB		99
74) CHRYSENE	16.32	228	535811	11.02 PPB		100
76) 3,3'-DICHLOROBENZIDINE	0.00	252	0	N.D.		
77) DI-N-OCTYL PHTHALATE CCC	17.92	149	1208515	13.73 PPB		100
78) BENZO(B)FLOURANTHENE	18.70	252	444202	10.88 PPB		90
79) BENZO(K)FLUORANTHENE	18.77	252	456605	12.12 PPB		99
80) BENZO(A)PYRENE CCC	19.45	252	383137	10.96 PPB		90
81) DIBENZO(A,H)ANTHRACENE	22.11	278	300573m	10.20 PPB		
82) INDENO(1,2,3-CD)PYRENE	22.06	276	316616m	9.63 PPB		
83) BENZO(G,H,I)PERYLENE	22.61	276	303163m	9.69 PPB		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (No Status)

Data Path : C:\OLDDATA\DEC08\120108\
Data File : 12010805.D
Acq On : 1 Dec 2008 12:54 pm
Operator : J. Aquilina
Sample : bna std 10 ppb s08-2
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 14 14:25:04 2009
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration



Quantitation Report (No Status)

Data Path : C:\OLDDATA\DEC08\120108\
Data File : 12010806.D
Acq On : 1 Dec 2008 1:30 pm
Operator : J. Aquilina
Sample : bna std 20 ppb s08-2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 14 14:25:08 2009
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.70	150	1114734	40.00 PPB		0.00
19) NAPHTHALENE-d8 INT. STD.	8.17	136	2497748	40.00 PPB		0.00
35) ACENAPHTHENE-d10 INT. STD.	10.27	162	1248632	40.00 PPB		0.00
54) PHENANTHRENE-d10 INT. STD.	12.04	188	1778676	40.00 PPB		0.00
67) CHRYSENE-d12 INT. STD.	16.27	240	1729811	40.00 PPB		0.00
75) PERYLENE-d12 INT. STD.	19.61	264	1112378	40.00 PPB		0.01
System Monitoring Compounds						
4) 2-FLUOROPHENOL SURR.	5.37	112	2521508	105.38 PPB		-0.06
5) PHENOL-d6 SURR.	6.38	99	2938130	110.50 PPB		-0.05
20) NITROBENZENE-d5 SURR.	7.38	82	2223791	99.47 PPB		0.00
39) 2-FLUOROBIPHENYL SURR.	9.47	172	3586289	94.89 PPB		0.00
58) 2,4,6 TRIBROMOPHENOL SURR.	11.24	330	500705	99.84 PPB		0.00
70) TERPHENYL-d14 SURR.	14.27	244	3353313	102.60 PPB		0.00
Target Compounds						Qvalue
2) N-NITROSODIMETHYLAMINE	3.95	74	334331	20.77 PPB		97
3) PYRIDINE	3.94	79	608103	21.64 PPB		93
6) PHENOL CCC	6.39	94	690245	21.93 PPB		91
7) aniline	6.39	93	372992	13.01 PPB		87
8) BIS(2-CHLOROETHYL)ETHER	6.45	93	702134	21.78 PPB		96
9) 2-CHLOROPHENOL	6.52	128	522455	20.75 PPB		98
10) 1,3 DICHLOROBENZENE	6.66	146	510226	18.92 PPB		97
11) 1,4 DICHLOROBENZENE CCC	6.72	146	508616	20.23 PPB		97
12) benzyl alcohol	6.89	79	442320	24.20 PPB		96
13) 1,2-DICHLOROBENZENE	6.94	146	514996	19.72 PPB		97
14) 2-METHYLPHENOL	7.04	108	482362	20.99 PPB	#	61
15) BIS(2-CHLOROISOPROPYL)ETHE	7.05	45	726849	22.81 PPB	#	96
16) 4-METHYLPHENOL	7.20	107	616999	21.37 PPB		99
17) N-NITROSO-DI-N-PROPYLAMINE	7.22	43	311614	21.08 PPB		94
18) HEXACHLOROETHANE	7.27	117	220454	19.49 PPB		97
21) NITROBENZENE	7.39	77	497248	19.18 PPB		94
22) ISOPHORONE	7.65	82	1283759	21.60 PPB		100
23) 2,4 DIMETHYLPHENOL	7.80	107	381646	16.99 PPB		92
24) Benzoic Acid	8.00	105	334047	17.40 PPB		89
25) 2-NITROPHENOL	7.76	139	325579	20.50 PPB		91
26) BIS(2-CHLOROETHOXY)METHANE	7.90	93	715277	21.02 PPB		97
27) 2,4 DICHLOROPHENOL CCC	8.05	162	453272	22.02 PPB		95
28) 1,2,4 TRICHLOROBENZENE	8.13	180	421042	19.72 PPB		99
29) NAPHTHALENE	8.19	128	1401749	20.84 PPB		98
30) 4-CHLOROANILINE	8.28	127	475233	19.00 PPB		99
31) HEXACHLOROBUTADIENE CCC	8.40	225	211140	19.56 PPB		100
32) 4-CHLORO-3-METHYLPHENOL CC	8.86	107	533710	23.86 PPB		92
33) 2-METHYLNAPHTHALENE	9.01	142	950429	21.06 PPB		97
34) 2-NITROANILINE	9.76	138	357839	21.65 PPB		95
36) HEXACHLOROCYCLOPENTADIENE	9.28	237	105509	11.73 PPB		98
37) 2,4,6-TRICHLOROPHENOL CCC	9.38	196	255155	20.52 PPB	#	95
38) 2,4,5 TRICHLOROPHENOL	9.45	196	217738	17.13 PPB		98
40) 2-CHLORONAPHTHALENE	9.59	162	908476	19.93 PPB		98
41) DIMETHYLPHTHALATE	10.00	163	1200596	20.98 PPB		98
42) 2,6 DINITROTOLUENE	10.08	165	269748	20.43 PPB		100
43) ACENAPHTHYLENE	10.09	152	1431167	20.86 PPB		97
44) 3-NITROANILINE	9.76	65	285608	22.56 PPB		92
45) ACENAPHTHENE CCC	10.31	153	896801	21.46 PPB		99
46) 2,4-DINITROPHENOL SPCC	10.39	184	119639	17.22 PPB		95
47) 4-NITROPHENOL SPCC	10.52	65	171614m	24.26 PPB		
48) DIBENZOFURAN	10.50	168	1245148	20.59 PPB		93
49) 2,4 DINITROTOLUENE	10.56	165	380835	20.32 PPB		93
50) DIETHYLPHTHLATE	10.84	149	1244708	20.78 PPB		98
51) 4-CHLOROPHENYLPHENYL ETHER	10.91	204	365621	18.71 PPB		96

Quantitation Report (No Status)

Data Path : C:\OLDDATA\DEC08\120108\
Data File : 12010806.D
Acq On : 1 Dec 2008 1:30 pm
Operator : J. Aquilina
Sample : bna std 20 ppb s08-2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 14 14:25:08 2009
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration

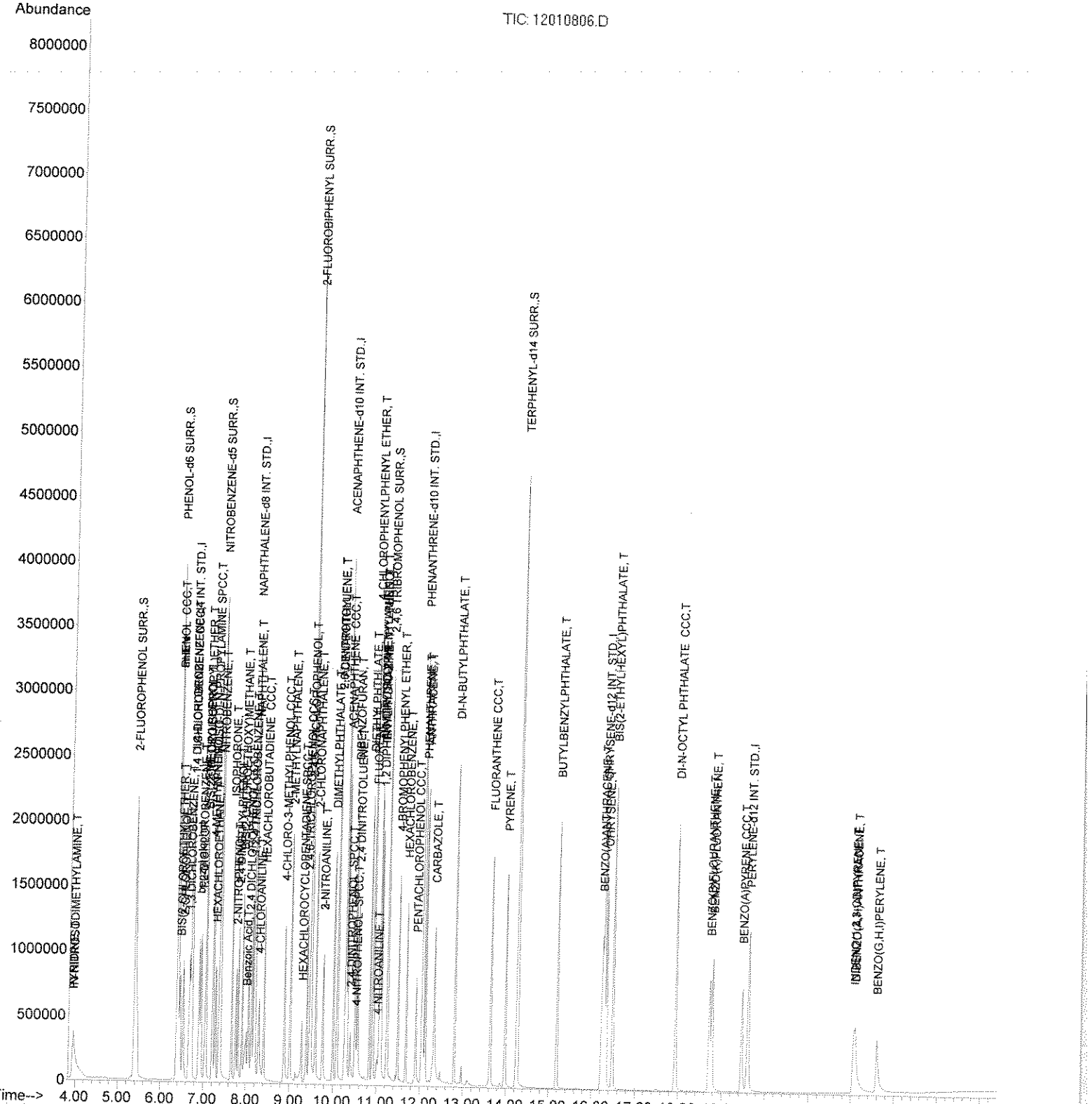
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
52) FLUORENE	10.92	166	963044	20.78 PPB		97
53) 4-NITROANILINE	11.01	138	148501	16.49 PPB	#	77
55) 4,6-DINITRO-2-METHYLPHENOL	11.06	198	165992	21.50 PPB	#	87
56) N-NITROSODIPHENYLAMINE	11.06	168	473311	20.15 PPB	#	98
57) 1,2 DIPHENYLHYDRAZINE	11.09	77	1269789	22.31 PPB		94
59) 4-BROMOPHENYLPHENYL ETHER	11.49	248	229465	20.75 PPB		94
60) HEXACHLOROBENZENE	11.67	284	241423	20.82 PPB	#	99
61) PENTACHLOROPHENOL CCC	11.90	266	126675	19.34 PPB		95
62) PHENANTHRENE	12.07	178	1247183	21.07 PPB		99
63) ANTHRACENE	12.12	178	1328134	20.90 PPB		99
64) CARBAZOLE	12.32	167	1381261m	20.58 PPB		
65) DI-N-BUTYLPHTHALATE	12.80	149	2222273	21.88 PPB		99
66) FLUORANTHENE CCC	13.64	202	1270651	21.11 PPB		98
68) BENZIDINE	0.00	184	0	N.D.		
69) PYRENE	13.98	202	1256512	22.04 PPB		99
71) BUTYLBENZYLPHTHALATE	15.19	149	987872	21.94 PPB		98
72) BIS(2-ETHYLHEXYL)PHTHALATE	16.48	149	1341352	22.07 PPB		97
73) BENZO(A)ANTHRACENE	16.23	228	1073060	20.39 PPB		99
74) CHRYSENE	16.33	228	1026202	20.55 PPB		100
76) 3,3'-DICHLOROBENZIDINE	0.00	252	0	N.D.		
77) DI-N-OCTYL PHTHALATE CCC	17.93	149	2343859	25.22 PPB		99
78) BENZO(B)FLOURANTHENE	18.72	252	906414	21.03 PPB		92
79) BENZO(K)FLUORANTHENE	18.78	252	923645m	23.23 PPB		
80) BENZO(A)PYRENE CCC	19.46	252	780122	21.14 PPB		92
81) DIBENZO(A,H)ANTHRACENE	22.08	278	606002m	19.48 PPB		
82) INDENO(1,2,3-CD)PYRENE	22.05	276	717570m	20.67 PPB		
83) BENZO(G,H,I)PERYLENE	22.58	276	633818m	19.20 PPB		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (No Status)

Data Path : C:\OLDDATA\DEC08\120108\
Data File : 12010806.D
Acq On : 1 Dec 2008 1:30 pm
Operator : J. Aquilina
Sample : bna std 20 ppb s08-2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 14 14:25:08 2009
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration



BZ111208.M Wed Jan 14 14:25:09 2009 J

Quantitation Report (No Status)

Data Path : C:\OLDDATA\DEC08\120108\
Data File : 12010807.D
Acq On : 1 Dec 2008 2:07 pm
Operator : J. Aquilina
Sample : bna std 40 ppb s08-2
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 14 14:25:12 2009
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.71	150	1282399	40.00 PPB		0.00
19) NAPHTHALENE-d8 INT. STD.	8.18	136	2546364	40.00 PPB		0.00
35) ACENAPHTHENE-d10 INT. STD.	10.28	162	1193953	40.00 PPB		0.00
54) PHENANTHRENE-d10 INT. STD.	12.05	188	1716604	40.00 PPB		0.01
67) CHRYSENE-d12 INT. STD.	16.29	240	1624037	40.00 PPB		0.02
75) PERYLENE-d12 INT. STD.	19.60	264	1014327	40.00 PPB		0.00
System Monitoring Compounds						
4) 2-FLUOROPHENOL SURR.	5.38	112	2804805	101.89 PPB		-0.06
5) PHENOL-d6 SURR.	6.38	99	3046540	99.60 PPB		-0.05
20) NITROBENZENE-d5 SURR.	7.37	82	2386357	104.70 PPB		0.00
39) 2-FLUOROBIPHENYL SURR.	9.48	172	3617795	100.10 PPB		0.00
58) 2,4,6 TRIBROMOPHENOL SURR.	11.24	330	502027	103.72 PPB		0.00
70) TERPHENYL-d14 SURR.	14.26	244	3317186	108.10 PPB		0.00
Target Compounds						Qvalue
2) N-NITROSODIMETHYLAMINE	3.95	74	756992	40.89 PPB		96
3) PYRIDINE	3.94	79	1352060	41.83 PPB		94
6) PHENOL CCC	6.40	94	1365279	37.71 PPB		83
7) aniline	6.40	93	750587	22.76 PPB		99
8) BIS(2-CHLOROETHYL)ETHER	6.45	93	1429554	38.55 PPB		98
9) 2-CHLOROPHENOL	6.52	128	1076030	37.16 PPB		99
10) 1,3 DICHLOROBENZENE	6.66	146	1146162	36.95 PPB		97
11) 1,4 DICHLOROBENZENE CCC	6.72	146	1060323	36.66 PPB		98
12) benzyl alcohol	6.89	79	893034	42.47 PPB		95
13) 1,2-DICHLOROBENZENE	6.94	146	1093897	36.41 PPB		98
14) 2-METHYLPHENOL	7.04	108	949652	35.92 PPB	#	62
15) BIS(2-CHLOROISOPROPYL)ETHE	7.06	45	1359825	37.09 PPB	#	99
16) 4-METHYLPHENOL	7.22	107	1182091	35.59 PPB		97
17) N-NITROSO-DI-N-PROPYLAMINE	7.24	43	616160	36.23 PPB		94
18) HEXACHLOROETHANE	7.29	117	490766	37.72 PPB		97
21) NITROBENZENE	7.40	77	1013701	38.36 PPB		94
22) ISOPHORONE	7.66	82	2507163	41.38 PPB		99
23) 2,4 DIMETHYLPHENOL	7.81	107	791516	34.56 PPB		98
24) Benzoic Acid	8.05	105	741923	37.92 PPB		90
25) 2-NITROPHENOL	7.76	139	633451	39.12 PPB		93
26) BIS(2-CHLOROETHOXY)METHANE	7.91	93	1373611	39.59 PPB		97
27) 2,4 DICHLOROPHENOL CCC	8.05	162	844990	40.26 PPB		98
28) 1,2,4 TRICHLOROBENZENE	8.13	180	809051	37.16 PPB		99
29) NAPHTHALENE	8.20	128	2590637	37.78 PPB		98
30) 4-CHLOROANILINE	8.28	127	1043515	40.93 PPB		98
31) HEXACHLOROBUTADIENE CCC	8.41	225	432686	39.31 PPB		100
32) 4-CHLORO-3-METHYLPHENOL CC	8.87	107	1024172	44.91 PPB		92
33) 2-METHYLNAPHTHALENE	9.01	142	1747067	37.97 PPB		98
34) 2-NITROANILINE	9.76	138	701401	41.62 PPB		95
36) HEXACHLOROCYCLOPENTADIENE	9.28	237	293147	34.09 PPB		98
37) 2,4,6-TRICHLOROPHENOL CCC	9.39	196	462460	38.90 PPB	#	95
38) 2,4,5 TRICHLOROPHENOL	9.45	196	453960	37.36 PPB		97
40) 2-CHLORONAPHTHALENE	9.59	162	1651449	37.89 PPB		97
41) DIMETHYLPHTHALATE	10.00	163	2179779	39.84 PPB		97
42) 2,6 DINITROTOLUENE	10.09	165	477783	37.84 PPB		99
43) ACENAPHTHYLENE	10.09	152	2444354	37.26 PPB		97
44) 3-NITROANILINE	9.76	65	560693	46.33 PPB		93
45) ACENAPHTHENE CCC	10.32	153	1543413	38.62 PPB		99
46) 2,4-DINITROPHENOL SPCC	10.39	184	279972	42.15 PPB		97
47) 4-NITROPHENOL SPCC	10.50	65	317749m	46.97 PPB		
48) DIBENZOFURAN	10.50	168	2160393	37.36 PPB		98
49) 2,4 DINITROTOLUENE	10.57	165	734633	41.00 PPB		94
50) DIETHYLPHTHLATE	10.84	149	2195653	38.34 PPB		98
51) 4-CHLOROPHENYLPHENYL ETHER	10.91	204	663172	35.50 PPB		92

Quantitation Report (No Status)

Data Path : C:\OLDDATA\DEC08\120108\
Data File : 12010807.D
Acq On : 1 Dec 2008 2:07 pm
Operator : J. Aquilina
Sample : bna std 40 ppb s08-2
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 14 14:25:12 2009
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration

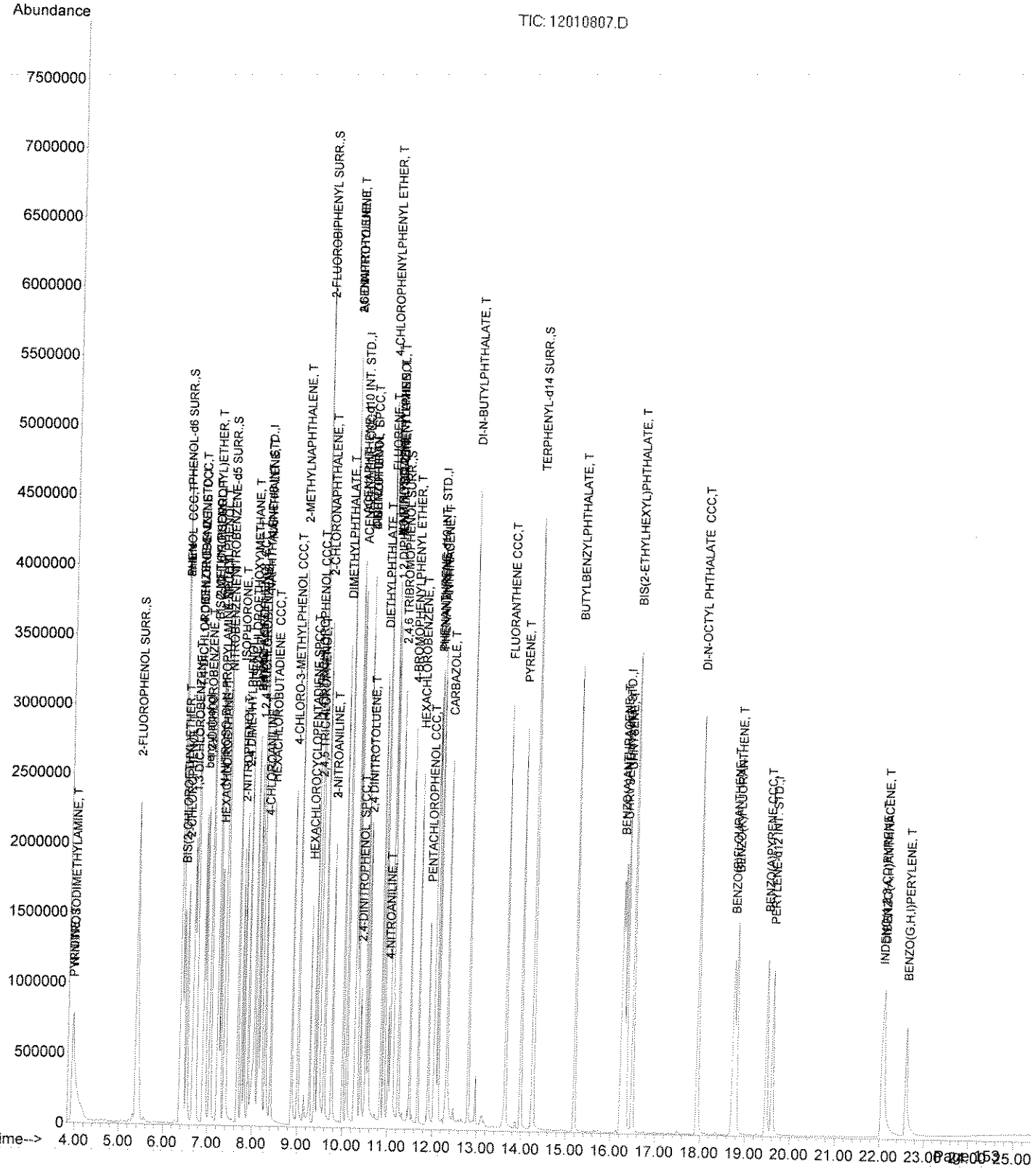
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
52) FLUORENE	10.92	166	1625203	36.67 PPB		98
53) 4-NITROANILINE	11.01	138	387447	45.01 PPB		87
55) 4,6-DINITRO-2-METHYLPHENOL	11.07	198	304278	40.84 PPB	#	22
56) N-NITROSODIPHENYLAMINE	11.07	168	858499	37.87 PPB	#	99
57) 1,2 DIPHENYLHYDRAZINE	11.10	77	2228278	40.57 PPB		95
59) 4-BROMOPHENYLPHENYL ETHER	11.49	248	405315	37.98 PPB		94
60) HEXACHLOROBENZENE	11.68	284	429837	38.40 PPB	#	100
61) PENTACHLOROPHENOL CCC	11.91	266	246762	39.04 PPB		96
62) PHENANTHRENE	12.08	178	2108843	36.92 PPB		100
63) ANTHRACENE	12.12	178	2222331	36.24 PPB		99
64) CARBAZOLE	12.32	167	2477939m	38.26 PPB		
65) DI-N-BUTYLPHTHALATE	12.81	149	3738272	38.14 PPB		99
66) FLUORANTHENE CCC	13.64	202	2142737	36.88 PPB		97
68) BENZIDINE	0.00	184	0	N.D.		
69) PYRENE	13.99	202	2142066	40.02 PPB		99
71) BUTYLBENZYLPHTHALATE	15.20	149	1783566	42.19 PPB		97
72) BIS(2-ETHYLHEXYL)PHTHALATE	16.50	149	2333700	40.90 PPB		96
73) BENZO(A)ANTHRACENE	16.23	228	1885439	38.16 PPB		100
74) CHRYSENE	16.35	228	1772717	37.82 PPB		100
76) 3,3'-DICHLOROBENZIDINE	0.00	252	0	N.D.		
77) DI-N-OCTYL PHTHALATE CCC	17.95	149	4113502	48.54 PPB		99
78) BENZO(B)FLOURANTHENE	18.73	252	1608120	40.91 PPB		95
79) BENZO(K)FLUORANTHENE	18.79	252	1499872m	41.36 PPB		
80) BENZO(A)PYRENE CCC	19.47	252	1329924	39.52 PPB		95
81) DIBENZO(A,H)ANTHRACENE	22.09	278	1044095m	36.80 PPB		
82) INDENO(1,2,3-CD)PYRENE	22.06	276	1242126m	39.23 PPB		
83) BENZO(G,H,I)PERYLENE	22.60	276	1080468m	35.89 PPB		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (No Status)

Data Path : C:\OLDDATA\DEC08\120108\
Data File : 12010807.D
Acq On : 1 Dec 2008 2:07 pm
Operator : J. Aquilina
Sample : bna std 40 ppb s08-2
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 14 14:25:12 2009
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration



Quantitation Report (No Status)

Data Path : C:\OLDDATA\DEC08\120108\
Data File : 12010808.D
Acq On : 1 Dec 2008 2:43 pm
Operator : J. Aquilina
Sample : bna std 60 ppb s08-2
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 14 14:25:16 2009
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.70	150	1260593	40.00 PPB		0.00
19) NAPHTHALENE-d8 INT. STD.	8.18	136	2408209	40.00 PPB		0.00
35) ACENAPHTHENE-d10 INT. STD.	10.28	162	1129982	40.00 PPB		0.00
54) PHENANTHRENE-d10 INT. STD.	12.04	188	1718194	40.00 PPB		0.00
67) CHRYSENE-d12 INT. STD.	16.29	240	1601390	40.00 PPB		0.02
75) PERYLENE-d12 INT. STD.	19.61	264	1019690	40.00 PPB		0.01
System Monitoring Compounds						
4) 2-FLUOROPHENOL SURR.	5.37	112	2627134	97.09 PPB		-0.07
5) PHENOL-d6 SURR.	6.38	99	2769593	92.11 PPB		-0.05
20) NITROBENZENE-d5 SURR.	7.38	82	2345378	108.81 PPB		0.01
39) 2-FLUOROBIPHENYL SURR.	9.48	172	3376110	98.70 PPB		0.00
58) 2,4,6 TRIBROMOPHENOL SURR.	11.25	330	514391	106.18 PPB		0.00
70) TERPHENYL-d14 SURR.	14.27	244	3274774	108.23 PPB		0.00
Target Compounds						Qvalue
2) N-NITROSODIMETHYLAMINE	3.95	74	994884	54.66 PPB		96
3) PYRIDINE	3.94	79	1815945	57.16 PPB		93
6) PHENOL CCC	6.40	94	1834095	51.53 PPB		80
7) aniline	6.39	93	1001707	30.91 PPB		97
8) BIS(2-CHLOROETHYL)ETHER	6.44	93	1882597	51.64 PPB		95
9) 2-CHLOROPHENOL	6.53	128	1445368	50.77 PPB		99
10) 1,3 DICHLOROBENZENE	6.67	146	1481106	48.57 PPB		98
11) 1,4 DICHLOROBENZENE CCC	6.72	146	1345165	47.31 PPB		97
12) benzyl alcohol	6.90	79	1240447	60.01 PPB		95
13) 1,2-DICHLOROBENZENE	6.93	146	1389417	47.04 PPB		98
14) 2-METHYLPHENOL	7.05	108	1243336	47.84 PPB	#	63
15) BIS(2-CHLOROISOPROPYL)ETHE	7.06	45	1660244	46.07 PPB	#	97
16) 4-METHYLPHENOL	7.22	107	1529815	46.85 PPB		96
17) N-NITROSO-DI-N-PROPYLAMINE	7.24	43	865941	51.79 PPB		95
18) HEXACHLOROETHANE	7.28	117	630310	49.28 PPB		97
21) NITROBENZENE	7.40	77	1410314	56.43 PPB		95
22) ISOPHORONE	7.67	82	3446209	60.14 PPB		99
23) 2,4 DIMETHYLPHENOL	7.82	107	1064883	49.16 PPB		99
24) Benzoic Acid	8.07	105	1125188	60.80 PPB		92
25) 2-NITROPHENOL	7.76	139	840409	54.88 PPB		94
26) BIS(2-CHLOROETHOXY)METHANE	7.91	93	1863383	56.78 PPB		96
27) 2,4 DICHLOROPHENOL CCC	8.05	162	1074766	54.15 PPB		97
28) 1,2,4 TRICHLOROBENZENE	8.13	180	1040211	50.52 PPB		99
29) NAPHTHALENE	8.21	128	3301418	50.90 PPB		98
30) 4-CHLOROANILINE	8.28	127	1426666	59.17 PPB		99
31) HEXACHLOROBUTADIENE CCC	8.41	225	553617	53.18 PPB		100
32) 4-CHLORO-3-METHYLPHENOL CC	8.87	107	1335173	61.91 PPB		93
33) 2-METHYLNAPHTHALENE	9.01	142	2254371	51.81 PPB		98
34) 2-NITROANILINE	9.77	138	931634	58.45 PPB		96
36) HEXACHLOROCYCLOPENTADIENE	9.27	237	417394	51.28 PPB		97
37) 2,4,6-TRICHLOROPHENOL CCC	9.39	196	607602	54.00 PPB	#	95
38) 2,4,5 TRICHLOROPHENOL	9.44	196	631211	54.88 PPB		96
40) 2-CHLORONAPHTHALENE	9.60	162	2123608	51.48 PPB		96
41) DIMETHYLPHTHALATE	10.00	163	2822040	54.49 PPB		97
42) 2,6 DINITROTOLUENE	10.10	165	599451	50.16 PPB		97
43) ACENAPHTHYLENE	10.10	152	2986567	48.10 PPB		97
44) 3-NITROANILINE	9.76	65	749181	65.40 PPB		94
45) ACENAPHTHENE CCC	10.32	153	2035227	53.81 PPB		99
46) 2,4-DINITROPHENOL SPCC	10.41	184	420022	66.82 PPB		97
47) 4-NITROPHENOL SPCC	10.51	65	443394m	69.25 PPB		
48) DIBENZOFURAN	10.51	168	2857429	52.21 PPB		100
49) 2,4 DINITROTOLUENE	10.57	165	971066	57.27 PPB		93
50) DIETHYLPHTHLATE	10.86	149	2909607	53.69 PPB		99
51) 4-CHLOROPHENYLPHENYL ETHER	10.92	204	898605	50.82 PPB		87

Quantitation Report (No Status)

Data Path : C:\OLDDATA\DEC08\120108\
Data File : 12010808.D
Acq On : 1 Dec 2008 2:43 pm
Operator : J. Aquilina
Sample : bna std 60 ppb s08-2
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 14 14:25:16 2009
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration

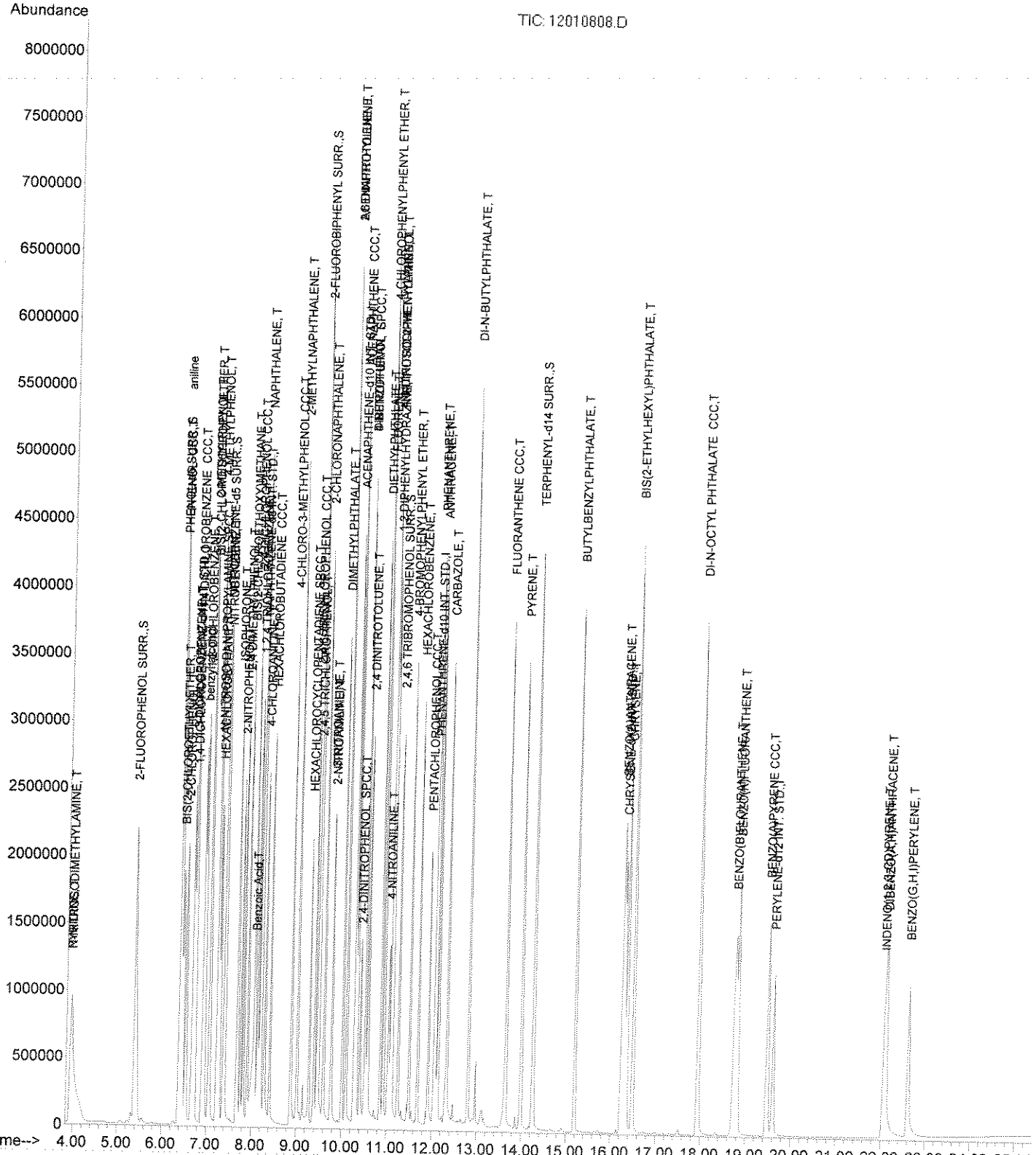
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
52) FLUORENE	10.93	166	2156566	51.41 PPB		97
53) 4-NITROANILINE	11.03	138	611960	75.11 PPB		98
55) 4,6-DINITRO-2-METHYLPHENOL	11.08	198	402920	54.03 PPB	#	22
56) N-NITROSODIPHENYLAMINE	11.08	168	1118696	49.30 PPB	#	99
57) 1,2 DIPHENYLHYDRAZINE	11.11	77	2966274	53.96 PPB		96
59) 4-BROMOPHENYLPHENYL ETHER	11.49	248	540395	50.60 PPB		95
60) HEXACHLOROBENZENE	11.69	284	580118	51.78 PPB	#	100
61) PENTACHLOROPHENOL CCC	11.92	266	362162	57.25 PPB		96
62) PHENANTHRENE	12.07	178	2851785	49.88 PPB		100
63) ANTHRACENE	12.13	178	2991384	48.74 PPB		99
64) CARBAZOLE	12.32	167	3289923m	50.75 PPB		
65) DI-N-BUTYLPHTHALATE	12.81	149	4850247	49.43 PPB		99
66) FLUORANTHENE CCC	13.65	202	2863553	49.24 PPB		96
68) BENZIDINE	0.00	184	0	N.D.		
69) PYRENE	14.00	202	2939187	55.69 PPB		99
71) BUTYLBENZYLPHTHALATE	15.21	149	2344619	56.25 PPB		97
72) BIS(2-ETHYLHEXYL)PHTHALATE	16.50	149	3121986	55.48 PPB		96
73) BENZO(A)ANTHRACENE	16.25	228	2625625	53.90 PPB		100
74) CHRYSENE	16.36	228	2437513	52.74 PPB		99
76) 3,3'-DICHLOROBENZIDINE	15.88	252	463	No Calib	#	
77) DI-N-OCTYL PHTHALATE CCC	17.95	149	5627782	66.05 PPB		99
78) BENZO(B)FLOURANTHENE	18.76	252	2388123	60.44 PPB		97
79) BENZO(K)FLUORANTHENE	18.82	252	1997266m	54.79 PPB		
80) BENZO(A)PYRENE CCC	19.48	252	1896716	56.07 PPB		98
81) DIBENZO(A,H)ANTHRACENE	22.12	278	1467074m	51.43 PPB		
82) INDENO(1,2,3-CD)PYRENE	22.06	276	1753225m	55.08 PPB		
83) BENZO(G,H,I)PERYLENE	22.61	276	1484977m	49.07 PPB		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (No Status)

Data Path : C:\OLDDATA\DEC08\120108\
Data File : 12010808.D
Acq On : 1 Dec 2008 2:43 pm
Operator : J. Aquilina
Sample : bna std 60 ppb s08-2
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 14 14:25:16 2009
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration



BZ111208.M Wed Jan 14 14:25:17 2009 J

Quantitation Report (No Status)

Data Path : C:\OLDDATA\DEC08\120108\
Data File : 12010809.D
Acq On : 1 Dec 2008 3:19 pm
Operator : J. Aquilina
Sample : bna std 80 ppb s08-2
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 14 14:25:20 2009
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.71	150	1284442	40.00	PPB		0.00
19) NAPHTHALENE-d8 INT. STD.	8.18	136	2308093	40.00	PPB		0.00
35) ACENAPHTHENE-d10 INT. STD.	10.28	162	1043679	40.00	PPB		0.00
54) PHENANTHRENE-d10 INT. STD.	12.05	188	1612850	40.00	PPB		0.02
67) CHRYSENE-d12 INT. STD.	16.30	240	1509623	40.00	PPB		0.03
75) PERYLENE-d12 INT. STD.	19.61	264	976415	40.00	PPB		0.02
System Monitoring Compounds							
4) 2-FLUOROPHENOL SURR.	5.37	112	2511487	91.09	PPB		-0.07
5) PHENOL-d6 SURR.	6.39	99	2632180	85.92	PPB		-0.04
20) NITROBENZENE-d5 SURR.	7.38	82	2195210	106.26	PPB		0.02
39) 2-FLUOROBIPHENYL SURR.	9.48	172	3182330	100.73	PPB		0.00
58) 2,4,6 TRIBROMOPHENOL SURR.	11.26	330	502106	110.41	PPB		0.01
70) TERPHENYL-d14 SURR.	14.27	244	3140758	110.11	PPB		0.00
Target Compounds							Qvalue
2) N-NITROSODIMETHYLAMINE	3.95	74	1294596	69.81	PPB		96
3) PYRIDINE	3.93	79	2402774	74.22	PPB		93
6) PHENOL CCC	6.40	94	2247481	61.97	PPB		79
7) aniline	6.39	93	1235874	37.42	PPB		96
8) BIS(2-CHLOROETHYL)ETHER	6.45	93	2283004	61.46	PPB		90
9) 2-CHLOROPHENOL	6.52	128	1841283	63.48	PPB		98
10) 1,3 DICHLOROBENZENE	6.67	146	1775839	57.15	PPB		98
11) 1,4 DICHLOROBENZENE CCC	6.73	146	1725192	59.54	PPB		98
12) benzyl alcohol	6.90	79	1538412	73.04	PPB		94
13) 1,2-DICHLOROBENZENE	6.94	146	1704604	56.64	PPB		98
14) 2-METHYLPHENOL	7.04	108	1512653	57.12	PPB	#	63
15) BIS(2-CHLOROISOPROPYL)ETHE	7.06	45	1964734	53.51	PPB	#	95
16) 4-METHYLPHENOL	7.22	107	1865556	56.08	PPB		96
17) N-NITROSO-DI-N-PROPYLAMINE	7.25	43	1019750	59.86	PPB		95
18) HEXACHLOROETHANE	7.28	117	758131	58.17	PPB		96
21) NITROBENZENE	7.41	77	1747379	72.94	PPB		96
22) ISOPHORONE	7.67	82	4331192	78.86	PPB		99
23) 2,4 DIMETHYLPHENOL	7.82	107	1314746	63.33	PPB		97
24) Benzoic Acid	8.10	105	1479293	83.41	PPB		92
25) 2-NITROPHENOL	7.76	139	1070888	72.97	PPB		94
26) BIS(2-CHLOROETHOXY)METHANE	7.91	93	2226359	70.79	PPB		96
27) 2,4 DICHLOROPHENOL CCC	8.05	162	1353708	71.16	PPB		97
28) 1,2,4 TRICHLOROBENZENE	8.13	180	1253895	63.54	PPB		98
29) NAPHTHALENE	8.21	128	4071737	65.51	PPB		98
30) 4-CHLOROANILINE	8.29	127	1747209	75.60	PPB		97
31) HEXACHLOROBUTADIENE CCC	8.41	225	678693	68.03	PPB		100
32) 4-CHLORO-3-METHYLPHENOL CC	8.87	107	1620018	78.38	PPB		92
33) 2-METHYLNAPHTHALENE	9.01	142	2823263	67.70	PPB		99
34) 2-NITROANILINE	9.77	138	1189095	77.84	PPB		97
36) HEXACHLOROCYCLOPENTADIENE	9.27	237	552920	73.55	PPB		98
37) 2,4,6-TRICHLOROPHENOL CCC	9.40	196	739182	71.13	PPB	#	96
38) 2,4,5 TRICHLOROPHENOL	9.46	196	768882	72.38	PPB		96
40) 2-CHLORONAPHTHALENE	9.60	162	2543164	66.75	PPB		96
41) DIMETHYLPHTHALATE	10.02	163	3555823	74.34	PPB		97
42) 2,6 DINITROTOLUENE	10.11	165	745699	67.56	PPB		97
43) ACENAPHTHYLENE	10.10	152	3800633	66.27	PPB		98
44) 3-NITROANILINE	9.77	65	962676	90.99	PPB		95
45) ACENAPHTHENE CCC	10.33	153	2498648	71.52	PPB		99
46) 2,4-DINITROPHENOL SPCC	10.41	184	512291	88.23	PPB		95
47) 4-NITROPHENOL SPCC	10.52	65	481952m	81.50	PPB		
48) DIBENZOFURAN	10.52	168	3380501	66.88	PPB		98
49) 2,4 DINITROTOLUENE	10.59	165	1177705	75.19	PPB		93
50) DIETHYLPHTHLATE	10.87	149	3464818	69.22	PPB		99
51) 4-CHLOROPHENYLPHENYL ETHER	10.92	204	1023444	62.67	PPB		84

Quantitation Report (No Status)

Data Path : C:\OLDDATA\DEC08\120108\
Data File : 12010809.D
Acq On : 1 Dec 2008 3:19 pm
Operator : J. Aquilina
Sample : bna std 80 ppb s08-2
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 14 14:25:20 2009
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration

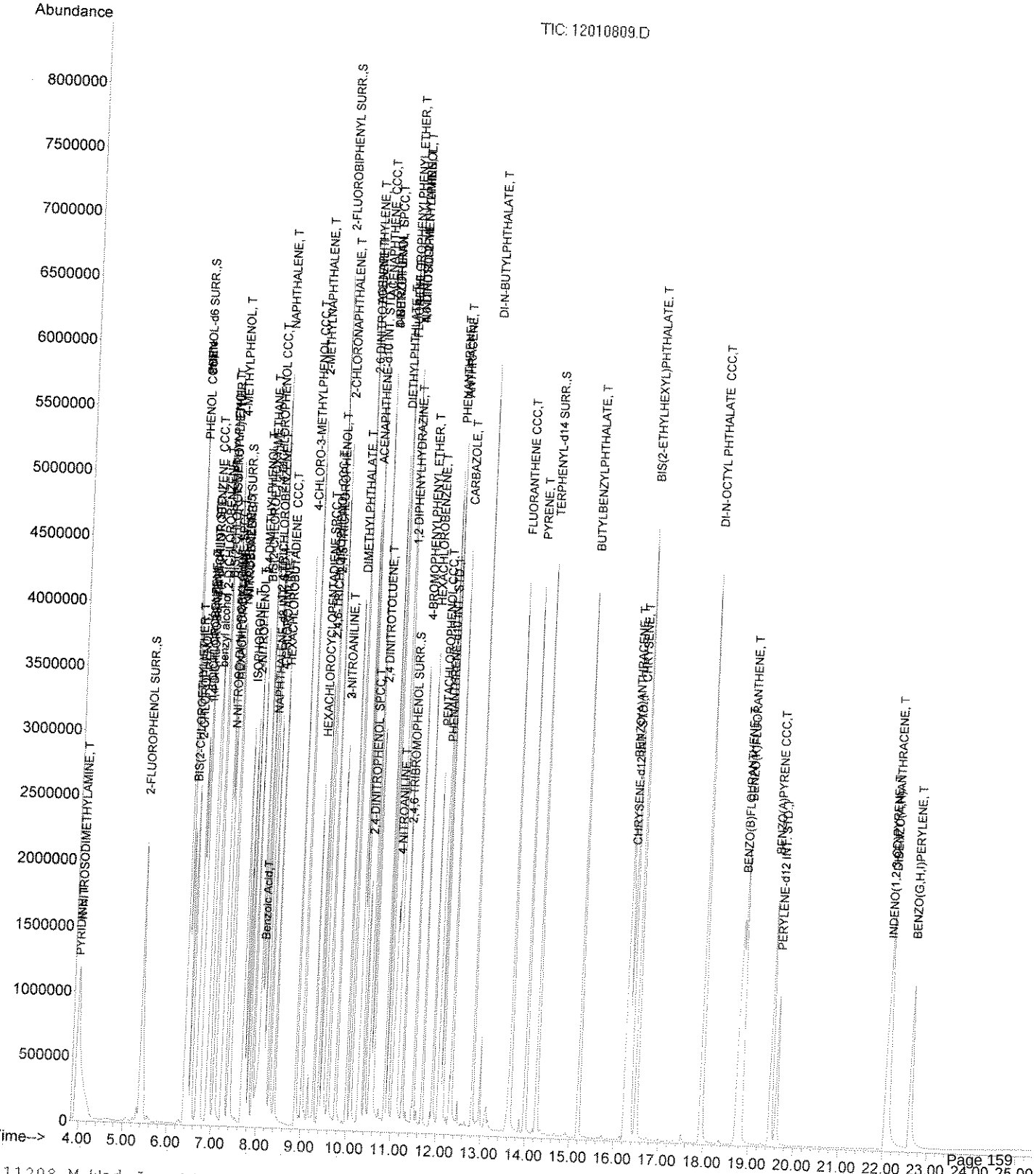
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
52) FLUORENE	10.93	166	2520266	65.05 PPB		97
53) 4-NITROANILINE	11.04	138	802113	106.59 PPB	#	76
55) 4,6-DINITRO-2-METHYLPHENOL	11.09	198	490132	70.01 PPB	#	1
56) N-NITROSODIPHENYLAMINE	11.09	168	1339252	62.88 PPB	#	98
57) 1,2 DIPHENYLHYDRAZINE	11.11	77	3339595	64.71 PPB		96
59) 4-BROMOPHENYLPHENYL ETHER	11.50	248	653764	65.21 PPB		95
60) HEXACHLOROBENZENE	11.69	284	712014	67.70 PPB	#	99
61) PENTACHLOROPHENOL CCC	11.92	266	452029	76.12 PPB		97
62) PHENANTHRENE	12.09	178	3524446	65.67 PPB		100
63) ANTHRACENE	12.14	178	3573534	62.03 PPB		99
64) CARBAZOLE	12.33	167	3463869	56.92 PPB		94
65) DI-N-BUTYLPHTHALATE	12.82	149	5681115	61.68 PPB		99
66) FLUORANTHENE CCC	13.65	202	3555275	65.13 PPB		96
68) BENZIDINE	0.00	184	0	N.D.		
69) PYRENE	14.00	202	3611019	72.58 PPB		99
71) BUTYLBENZYLPHTHALATE	15.22	149	2933884	74.66 PPB		97
72) BIS(2-ETHYLHEXYL)PHTHALATE	16.50	149	3773898	71.15 PPB		96
73) BENZO(A)ANTHRACENE	16.25	228	3338916	72.71 PPB		100
74) CHRYSENE	16.37	228	3051613	70.04 PPB		100
76) 3,3'-DICHLOROBENZIDINE	15.88	252	957	No Calib	#	
77) DI-N-OCTYL PHTHALATE CCC	17.96	149	6781515	83.12 PPB		99
78) BENZO(B)FLOURANTHENE	18.78	252	3028270	80.04 PPB		99
79) BENZO(K)FLUORANTHENE	18.84	252	2423866m	69.44 PPB		
80) BENZO(A)PYRENE CCC	19.50	252	2365349	73.02 PPB		99
81) DIBENZO(A,H)ANTHRACENE	22.13	278	1791833m	65.61 PPB		
82) INDENO(1,2,3-CD)PYRENE	22.08	276	2166009m	71.07 PPB		
83) BENZO(G,H,I)PERYLENE	22.62	276	1777445m	61.33 PPB		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (No Status)

Data Path : C:\OLDDATA\DEC08\120108\
Data File : 12010809.D
Acq On : 1 Dec 2008 3:19 pm
Operator : J. Aquilina
Sample : bna std 80 ppb s08-2
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 14 14:25:20 2009
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration



Z111208.M Wed Jan 14 14:25:21 2009 J

Evaluate Continuing Calibration Report

Data Path : C:\OLDDATA\DEC08\120108\
Data File : 12010810.D
Acq On : 1 Dec 2008 3:55 pm
Operator : J. Aquilina
Sample : bna std 30 ppb s08-2
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 14 14:25:24 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-DICHLOROBENZENE-d4 INT.	1.000	1.000	0.0	79	-0.01
2	T	N-NITROSODIMETHYLAMINE	0.609	0.578	5.1	77	0.00
3	T	PYRIDINE	1.090	1.078	1.1	78	0.00
4	S	2-FLUOROPHENOL SURR.	0.880	0.868	1.4	78	-0.06
5	S	PHENOL-d6 SURR.	1.006	1.008	-0.2	82	-0.05
6	T	PHENOL CCC	1.132	1.131	0.1	79	-0.06
7		aniline	0.640	0.678	-5.9	84	0.00
8	T	BIS(2-CHLOROETHYL)ETHER	1.211	1.066	12.0	75	0.00
9	T	2-CHLOROPHENOL	0.907	0.864	4.7	79	-0.03
10	T	1,3 DICHLOROBENZENE	0.930	0.882	5.2	76	0.00
11	T	1,4 DICHLOROBENZENE CCC	0.909	0.861	5.3	77	0.00
12		benzyl alcohol	0.743	0.732	1.5	79	0.00
13	T	1,2-DICHLOROBENZENE	0.921	0.894	2.9	80	0.00
14	T	2-METHYLPHENOL	0.803	0.802	0.1	80	-0.04
15	T	BIS(2-CHLOROISOPROPYL)ETHER	1.209	1.174	2.9	77	0.00
16	T	4-METHYLPHENOL	1.029	1.037	-0.8	80	-0.05
17	T	N-NITROSO-DI-N-PROPYLAMINE	0.537	0.547	-1.9	81	0.00
18	T	HEXACHLOROETHANE	0.408	0.387	5.1	79	0.00
19	I	NAPHTHALENE-d8 INT. STD.	1.000	1.000	0.0	84	0.00
20	S	NITROBENZENE-d5 SURR.	0.370	0.363	1.9	80	0.00
21	T	NITROBENZENE	0.415	0.395	4.8	79	0.00
22	T	ISOPHORONE	1.040	0.989	4.9	86	0.00
23	T	2,4 DIMETHYLPHENOL	0.314	0.309	1.6	83	-0.02
24	T	Benzoic Acid	0.282	0.291	-3.2	90	-0.01
25	T	2-NITROPHENOL	0.251	0.246	2.0	81	0.00
26	T	BIS(2-CHLOROETHOXY)METHANE	0.575	0.551	4.2	84	0.00
27	T	2,4 DICHLOROPHENOL CCC	0.335	0.339	-1.2	82	-0.06
28	T	1,2,4 TRICHLOROBENZENE	0.334	0.314	6.0	81	0.01
29	T	NAPHTHALENE	1.076	1.032	4.1	84	0.00
30	T	4-CHLOROANILINE	0.367	0.402	-9.5	84	0.00
31	T	HEXACHLOROBUTADIENE CCC	0.173	0.166	4.0	84	0.00
32	T	4-CHLORO-3-METHYLPHENOL CCC	0.400	0.412	-3.0	86	-0.06
33	T	2-METHYLNAPHTHALENE	0.747	0.704	5.8	83	0.00
34	T	2-NITROANILINE	0.267	0.290	-8.6	88	0.00
35	I	ACENAPHTHENE-d10 INT. STD.	1.000	1.000	0.0	83	0.00
36	T	HEXACHLOROCYCLOPENTADIENE S	0.207	0.211	-1.9	91	-0.01
37	T	2,4,6-TRICHLOROPHENOL CCC	0.389	0.396	-1.8	85	-0.03
38	T	2,4,5 TRICHLOROPHENOL	0.369	0.372	-0.8	85	-0.07
39	S	2-FLUOROBIPHENYL SURR.	1.173	1.169	0.3	85	0.00
40	T	2-CHLORONAPHTHALENE	1.468	1.380	6.0	82	0.00
41	T	DIMETHYLPHTHALATE	1.913	1.818	5.0	85	0.00
42	T	2,6 DINITROTOLUENE	0.427	0.405	5.2	84	0.01
43	T	ACENAPHTHYLENE	2.242	2.076	7.4	85	0.00
44	T	3-NITROANILINE	0.441	0.473	-7.3	88	0.00
45	T	ACENAPHTHENE CCC	1.399	1.337	4.4	88	0.00
46	T	2,4-DINITROPHENOL SPCC	0.208	0.219	-5.3	89	0.00
47	T	4-NITROPHENOL SPCC	0.250	0.269	-7.6	95	-0.13
48	T	DIBENZOFURAN	2.001	1.917	4.2	86	0.00
49	T	2,4 DINITROTOLUENE	0.584	0.618	-5.8	90	0.02
50	T	DIETHYLPHTHLATE	2.041	1.924	5.7	87	0.00
51	T	4-CHLOROPHENYLPHENYL ETHER	0.592	0.585	1.2	91	0.00
52	T	FLUORENE	1.464	1.423	2.8	87	0.00
53	T	4-NITROANILINE	0.303	0.308	-1.7	101	0.00

Evaluate Continuing Calibration Report

Data Path : C:\OLDDATA\DEC08\120108\
Data File : 12010810.D
Acq On : 1 Dec 2008 3:55 pm
Operator : J. Aquilina
Sample : bna std 30 ppb s08-2
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 14 14:25:24 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
54	I	PHENANTHRENE-d10 INT. STD.	1.000	1.000	0.0	87	0.01
55	T	4,6-DINITRO-2-METHYLPHENOL	0.170	0.180	-5.9	87	0.00
56	T	N-NITROSODIPHENYLAMINE	0.535	0.486	9.2	84	0.00
57	T	1,2 DIPHENYLHYDRAZINE	1.404	1.317	6.2	85	0.00
58	S	2,4,6 TRIBROMOPHENOL SURR.	0.113	0.119	-5.3	96	0.00
59	T	4-BROMOPHENYLPHENYL ETHER	0.254	0.241	5.1	91	0.00
60	T	HEXACHLOROBENZENE	0.265	0.257	3.0	93	0.00
61	T	PENTACHLOROPHENOL CCC	0.139	0.144	-3.6	87	-0.02
62	T	PHENANTHRENE	1.350	1.286	4.7	87	0.00
63	T	ANTHRACENE	1.397	1.358	2.8	88	0.00
64	T	CARBAZOLE	1.483	1.343	9.4	77	0.00
65	T	DI-N-BUTYLPHTHALATE	2.421	2.275	6.0	88	0.00
66	T	FLUORANTHENE CCC	1.373	1.307	4.8	86	0.01
67	I	CHRYSENE-d12 INT. STD.	1.000	1.000	0.0	95	0.00
68	T	BENZIDINE	0.000	0.000#	0.0	0#	-13.60#
69	T	PYRENE	1.446	1.327	8.2	89	0.00
70	S	TERPHENYL-d14 SURR.	0.799	0.797	0.3	95	0.00
71	T	BUTYLBENZYLPHTHALATE	1.135	1.053	7.2	90	0.00
72	T	BIS(2-ETHYLHEXYL)PHTHALATE	1.557	1.402	10.0	89	0.00
73	T	BENZO(A)ANTHRACENE	1.201	1.174	2.2	95	0.00
74	T	CHRYSENE	1.184	1.095	7.5	92	0.00
75	I	PERYLENE-d12 INT. STD.	1.000	1.000	0.0	97	0.00
76	T	3,3'-DICHLOROBENZIDINE	0.000	0.000#	0.0	0#	-16.08#
77	T	DI-N-OCTYL PHTHALATE CCC	4.188	3.893	7.0	91	0.00
78	T	BENZO(B)FLOURANTHENE	1.564	1.533	2.0	86	0.00
79	T	BENZO(K)FLUORANTHENE	1.524	1.486	2.5	102	0.02
80	T	BENZO(A)PYRENE CCC	1.330	1.315	1.1	94	0.00
81	T	DIBENZO(A,H)ANTHRACENE	1.015	0.983	3.2	92	0.01
82	T	INDENO(1,2,3-CD)PYRENE	1.168	1.190	-1.9	93	0.02
83	T	BENZO(G,H,I)PERYLENE	1.072	0.986	8.0	89	0.01

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Quantitation Report (No Status)

Data Path : C:\OLDDATA\DEC08\120108\
Data File : 12010810.D
Acq On : 1 Dec 2008 3:55 pm
Operator : J. Aquilina
Sample : bna std 30 ppb s08-2
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 14 14:25:24 2009
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.70	150	1068057	40.00 PPB		-0.01
19) NAPHTHALENE-d8 INT. STD.	8.17	136	2350298	40.00 PPB		0.00
35) ACENAPHTHENE-d10 INT. STD.	10.28	162	1143214	40.00 PPB		0.00
54) PHENANTHRENE-d10 INT. STD.	12.04	188	1677349	40.00 PPB		0.01
67) CHRYSENE-d12 INT. STD.	16.28	240	1682223	40.00 PPB		0.00
75) PERYLENE-d12 INT. STD.	19.60	264	1096227	40.00 PPB		0.00
System Monitoring Compounds						
4) 2-FLUOROPHENOL SURR.	5.37	112	2318887	98.68 PPB		-0.06
5) PHENOL-d6 SURR.	6.37	99	2691312	100.21 PPB		-0.05
20) NITROBENZENE-d5 SURR.	7.37	82	2135058	98.15 PPB		0.00
39) 2-FLUOROBIPHENYL SURR.	9.47	172	3340263	99.66 PPB		0.00
58) 2,4,6 TRIBROMOPHENOL SURR.	11.25	330	500079	105.54 PPB		0.00
70) TERPHENYL-d14 SURR.	14.26	244	3352688	99.79 PPB		0.00
Target Compounds						Qvalue
2) N-NITROSODIMETHYLAMINE	3.94	74	462897	28.47 PPB		96
3) PYRIDINE	3.93	79	863342	29.67 PPB		93
6) PHENOL CCC	6.39	94	906111	29.98 PPB		87
7) aniline	6.39	93	543155	31.77 PPB		95
8) BIS(2-CHLOROETHYL)ETHER	6.44	93	853576m	26.40 PPB		
9) 2-CHLOROPHENOL	6.52	128	692122	28.57 PPB		99
10) 1,3 DICHLOROBENZENE	6.66	146	706641	28.45 PPB		98
11) 1,4 DICHLOROBENZENE CCC	6.72	146	689916	28.41 PPB		97
12) benzyl alcohol	6.89	79	586039	29.53 PPB		96
13) 1,2-DICHLOROBENZENE	6.93	146	715996	29.11 PPB		98
14) 2-METHYLPHENOL	7.04	108	642814	29.98 PPB	#	62
15) BIS(2-CHLOROISOPROPYL)ETHE	7.04	45	940308	29.13 PPB	#	97
16) 4-METHYLPHENOL	7.21	107	831048	30.24 PPB		98
17) N-NITROSO-DI-N-PROPYLAMINE	7.22	43	437985	30.54 PPB		94
18) HEXACHLOROETHANE	7.27	117	309928	28.44 PPB		97
21) NITROBENZENE	7.39	77	695583	28.55 PPB		94
22) ISOPHORONE	7.66	82	1743150	28.53 PPB		100
23) 2,4 DIMETHYLPHENOL	7.81	107	544716	29.52 PPB		98
24) Benzoic Acid	8.01	105	512239	30.94 PPB		91
25) 2-NITROPHENOL	7.75	139	434109	29.43 PPB		92
26) BIS(2-CHLOROETHOXY)METHANE	7.90	93	970464	28.70 PPB		95
27) 2,4 DICHLOROPHENOL CCC	8.04	162	597381	30.36 PPB		97
28) 1,2,4 TRICHLOROBENZENE	8.13	180	554234	28.24 PPB		99
29) NAPHTHALENE	8.20	128	1818896	28.76 PPB		98
30) 4-CHLOROANILINE	8.29	127	708500	32.86 PPB		99
31) HEXACHLOROBUTADIENE CCC	8.40	225	293436	28.86 PPB		99
32) 4-CHLORO-3-METHYLPHENOL CC	8.86	107	726146	30.86 PPB		92
33) 2-METHYLNAPHTHALENE	9.00	142	1241192	28.29 PPB		97
34) 2-NITROANILINE	9.75	138	510757	32.57 PPB		95
36) HEXACHLOROCYCLOPENTADIENE	9.27	237	180611	30.48 PPB		99
37) 2,4,6-TRICHLOROPHENOL CCC	9.38	196	339907	30.59 PPB	#	93
38) 2,4,5 TRICHLOROPHENOL	9.45	196	319074	30.24 PPB		95
40) 2-CHLORONAPHTHALENE	9.59	162	1183368	28.21 PPB		97
41) DIMETHYLPHTHALATE	10.00	163	1558441	28.51 PPB		97
42) 2,6 DINITROTOLUENE	10.09	165	346876	28.40 PPB		100
43) ACENAPHTHYLENE	10.09	152	1779987	27.78 PPB		97
44) 3-NITROANILINE	9.75	65	405425	32.17 PPB		93
45) ACENAPHTHENE CCC	10.31	153	1145962	28.66 PPB		99
46) 2,4-DINITROPHENOL SPCC	10.39	184	188062	31.67 PPB		97
47) 4-NITROPHENOL SPCC	10.51	65	230370m	32.26 PPB		
48) DIBENZOFURAN	10.50	168	1643350	28.73 PPB		95
49) 2,4 DINITROTOLUENE	10.56	165	530274	31.75 PPB		95
50) DIETHYLPHTHLATE	10.84	149	1650048	28.29 PPB		99
51) 4-CHLOROPHENYLPHENYL ETHER	10.91	204	501748	29.68 PPB		91

Quantitation Report (No Status)

Data Path : C:\OLDDATA\DEC08\120108\
Data File : 12010810.D
Acq On : 1 Dec 2008 3:55 pm
Operator : J. Aquilina
Sample : bna std 30 ppb s08-2
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 14 14:25:24 2009
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration

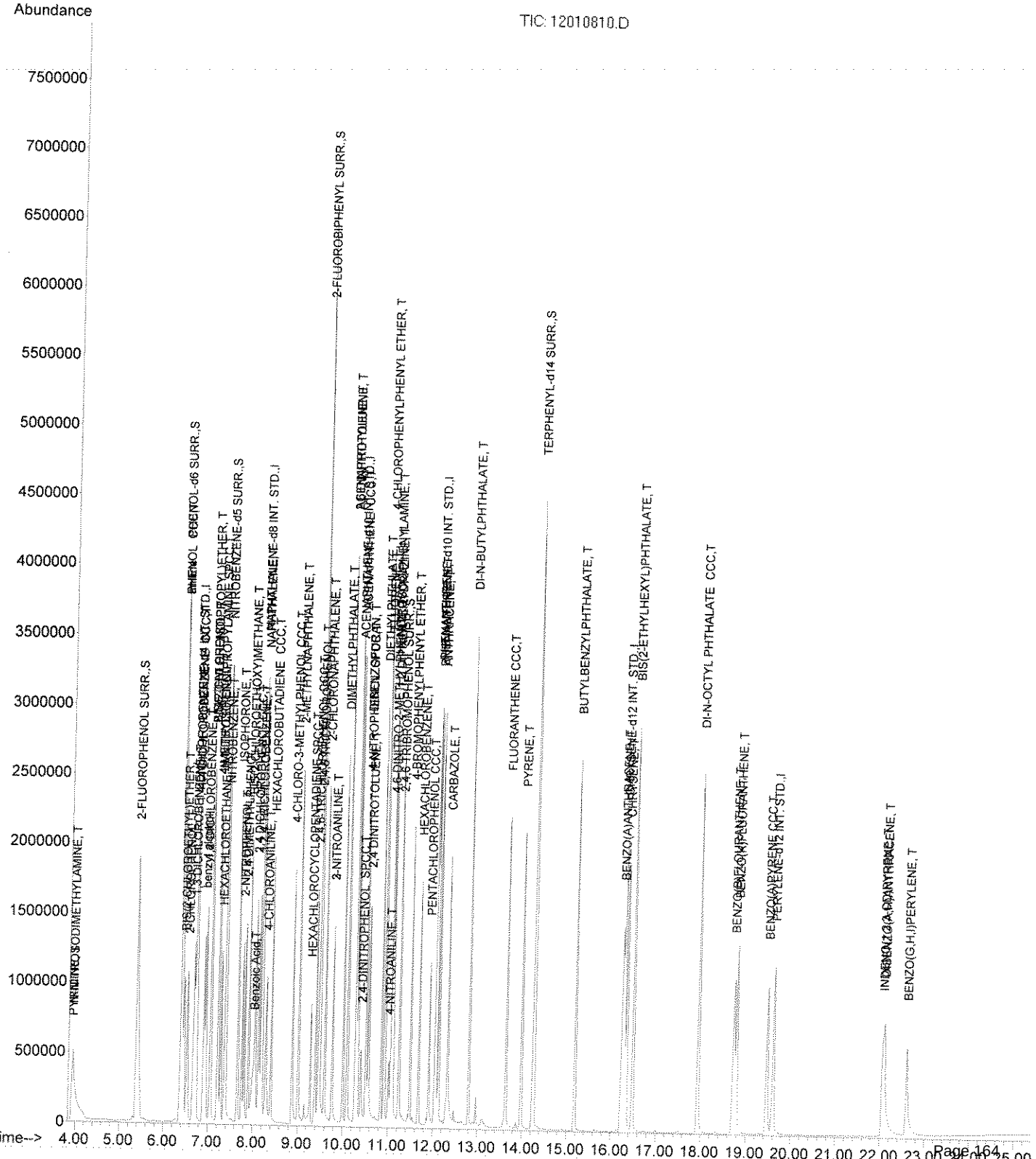
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
52) FLUORENE	10.92	166	1220242	29.16 PPB		97
53) 4-NITROANILINE	11.01	138	263736	30.46 PPB	#	82
55) 4,6-DINITRO-2-METHYLPHENOL	11.05	198	226292	31.73 PPB	#	90
56) N-NITROSODIPHENYLAMINE	11.06	168	611941	27.29 PPB	#	99
57) 1,2 DIPHENYLHYDRAZINE	11.10	77	1657295	28.14 PPB		94
59) 4-BROMOPHENYLPHENYL ETHER	11.48	248	303781	28.47 PPB		96
60) HEXACHLOROBENZENE	11.68	284	323173	29.09 PPB	#	99
61) PENTACHLOROPHENOL CCC	11.90	266	180825	31.03 PPB		97
62) PHENANTHRENE	12.07	178	1618264	28.58 PPB		99
63) ANTHRACENE	12.12	178	1707798	29.15 PPB		99
64) CARBAZOLE	12.31	167	1689547	27.17 PPB		96
65) DI-N-BUTYLPHTHALATE	12.80	149	2861654	28.18 PPB		99
66) FLUORANTHENE CCC	13.64	202	1644493	28.56 PPB		97
68) BENZIDINE	0.00	184	0	N.D.		
69) PYRENE	13.98	202	1673660	27.51 PPB		99
71) BUTYLBENZYLPHTHALATE	15.19	149	1328546	27.83 PPB		98
72) BIS(2-ETHYLHEXYL)PHTHALATE	16.49	149	1768624	27.01 PPB		96
73) BENZO(A)ANTHRACENE	16.24	228	1480698	29.31 PPB		99
74) CHRYSENE	16.34	228	1381720	27.75 PPB		99
76) 3,3'-DICHLOROBENZIDINE	0.00	252	0	N.D.		
77) DI-N-OCTYL PHTHALATE CCC	17.94	149	3200365	27.88 PPB		99
78) BENZO(B)FLOURANTHENE	18.72	252	1260403	29.41 PPB		94
79) BENZO(K)FLUORANTHENE	18.78	252	1221608m	29.25 PPB		
80) BENZO(A)PYRENE CCC	19.46	252	1081401	29.68 PPB		95
81) DIBENZO(A,H)ANTHRACENE	22.08	278	808448	29.07 PPB		98
82) INDENO(1,2,3-CD)PYRENE	22.05	276	978217	30.57 PPB		95
83) BENZO(G,H,I)PERYLENE	22.59	276	810967	27.60 PPB		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (No Status)

Data Path : C:\OLDDATA\DEC08\120108\
Data File : 12010810.D
Acq On : 1 Dec 2008 3:55 pm
Operator : J. Aquilina
Sample : bna std 30 ppb s08-2
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 14 14:25:24 2009
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration



Response Factor Report SVGCMS#3

Method Path : C:\MSDCHEM\1\METHODS\
Method File : BZ111208.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Thu Nov 13 09:14:22 2008
Response Via : Initial Calibration

Calibration Files
30 =11120812.D 10 =11120813.D 20 =11120814.D
50 =11120815.D 80 =11120816.D

		Compound	30	10	20	50	80	Avg	%RSD
1)	I	1,4-DICHLOROBENZENE-d	ISTD						
2)	I	NAPHTHALENE-d8 INT. S	ISTD						
3)	S	NITROBENZENE-d5 SUR	0.335	0.342	0.345	0.338	0.352	0.343	1.95
4)	I	ACENAPHTHENE-d10 INT.	ISTD						
5)	S	2-FLUOROBIPHENYL SU	1.173	1.170	1.157	1.170	1.189	1.172	0.98
6)	I	PHENANTHRENE-d10 INT.	ISTD						
7)	I	CHRYSENE-d12 INT. STD	ISTD						
8)	T	BENZIDINE	0.783	0.609	0.770	0.910	0.902	0.795	15.41
9)	S	TERPHENYL-d14 SURR.	0.846	0.815	0.819	0.815	0.888	0.837	3.78
10)	I	PERYLENE-d12 INT. STD	ISTD						
11)	T	3,3'-DICHLOROBENZID	0.610	0.575	0.611	0.635	0.612	0.608	3.51

(#) = Out of Range

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\NOV08\111208\
Data File : 11120812.D
Acq On : 12 Nov 2008 5:07 pm
Operator : J. Aquilina
Sample : bz std 30 ppb s08-2
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 13 09:18:30 2008
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration

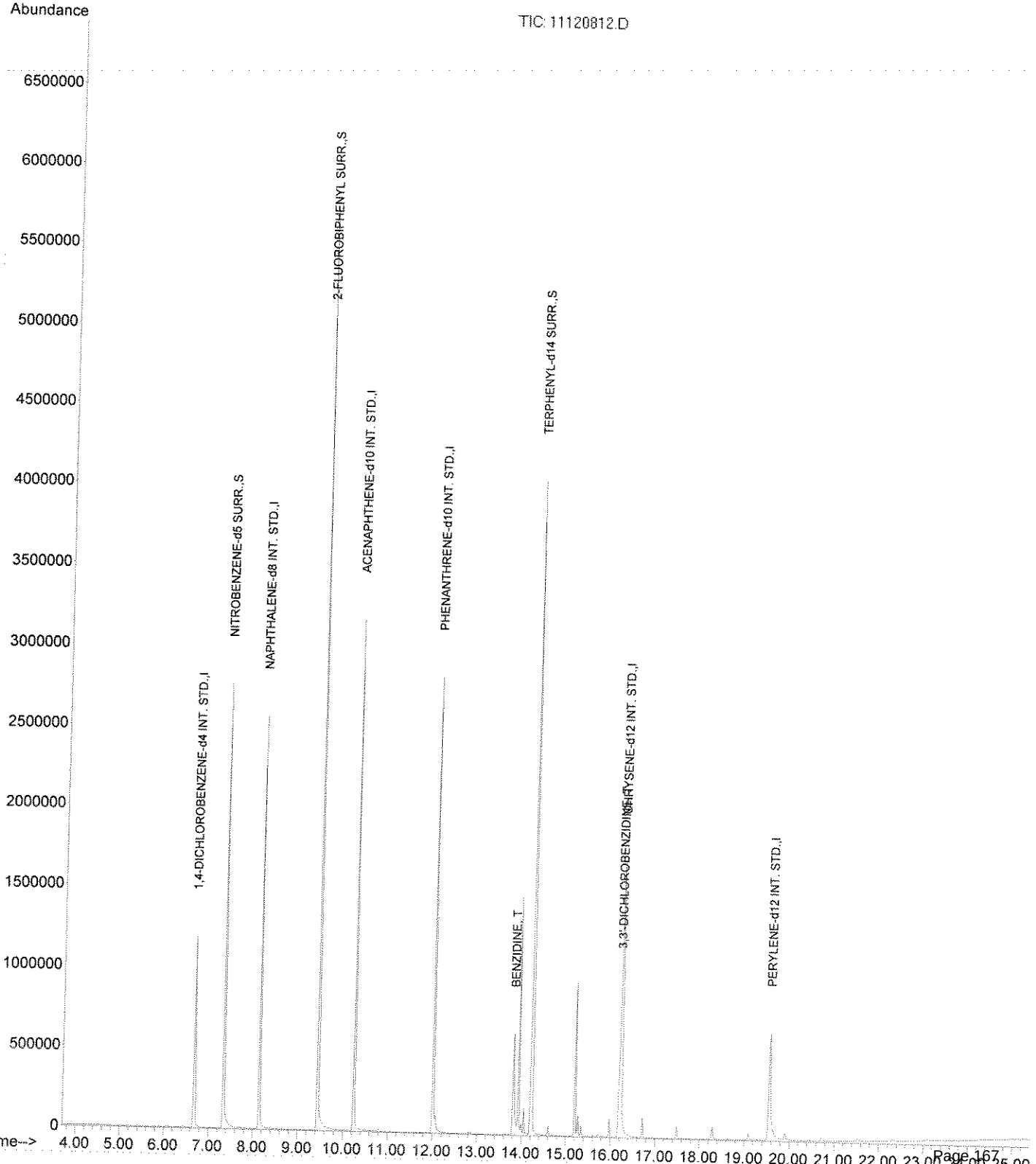
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.67	150	742036	40.00 PPB	-0.07
2) NAPHTHALENE-d8 INT. STD.	8.14	136	1900403	40.00 PPB	-0.08
4) ACENAPHTHENE-d10 INT. STD.	10.24	162	1027158	40.00 PPB	-0.07
6) PHENANTHRENE-d10 INT. STD.	12.01	188	1544768	40.00 PPB	-0.06
7) CHRYSENE-d12 INT. STD.	16.23	240	1271098	40.00 PPB	-0.09
10) PERYLENE-d12 INT. STD.	19.54	264	781439	40.00 PPB	-0.10
System Monitoring Compounds					
3) NITROBENZENE-d5 SURR.	7.33	82	1592082	98.85 PPB	-0.08
5) 2-FLUOROBIPHENYL SURR.	9.44	172	3011044	102.33 PPB	-0.08
9) TERPHENYL-d14 SURR.	14.23	244	2689153	113.54 PPB	-0.08
Target Compounds					Qvalue
8) BENZIDINE	13.81	184	746659	26.83 PPB	99
11) 3,3'-DICHLOROBENZIDINE	16.19	252	357359	33.67 PPB	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\NOV08\111208\
Data File : 11120812.D
Acq On : 12 Nov 2008 5:07 pm
Operator : J. Aquilina
Sample : bz std 30 ppb s08-2
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 13 09:18:30 2008
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration



3Z111208.M Wed Jan 14 14:27:11 2009 J

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\NOV08\111208\
Data File : 11120813.D
Acq On : 12 Nov 2008 5:43 pm
Operator : J. Aquilina
Sample : bz std 10 ppb s08-2
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 13 09:18:32 2008
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration

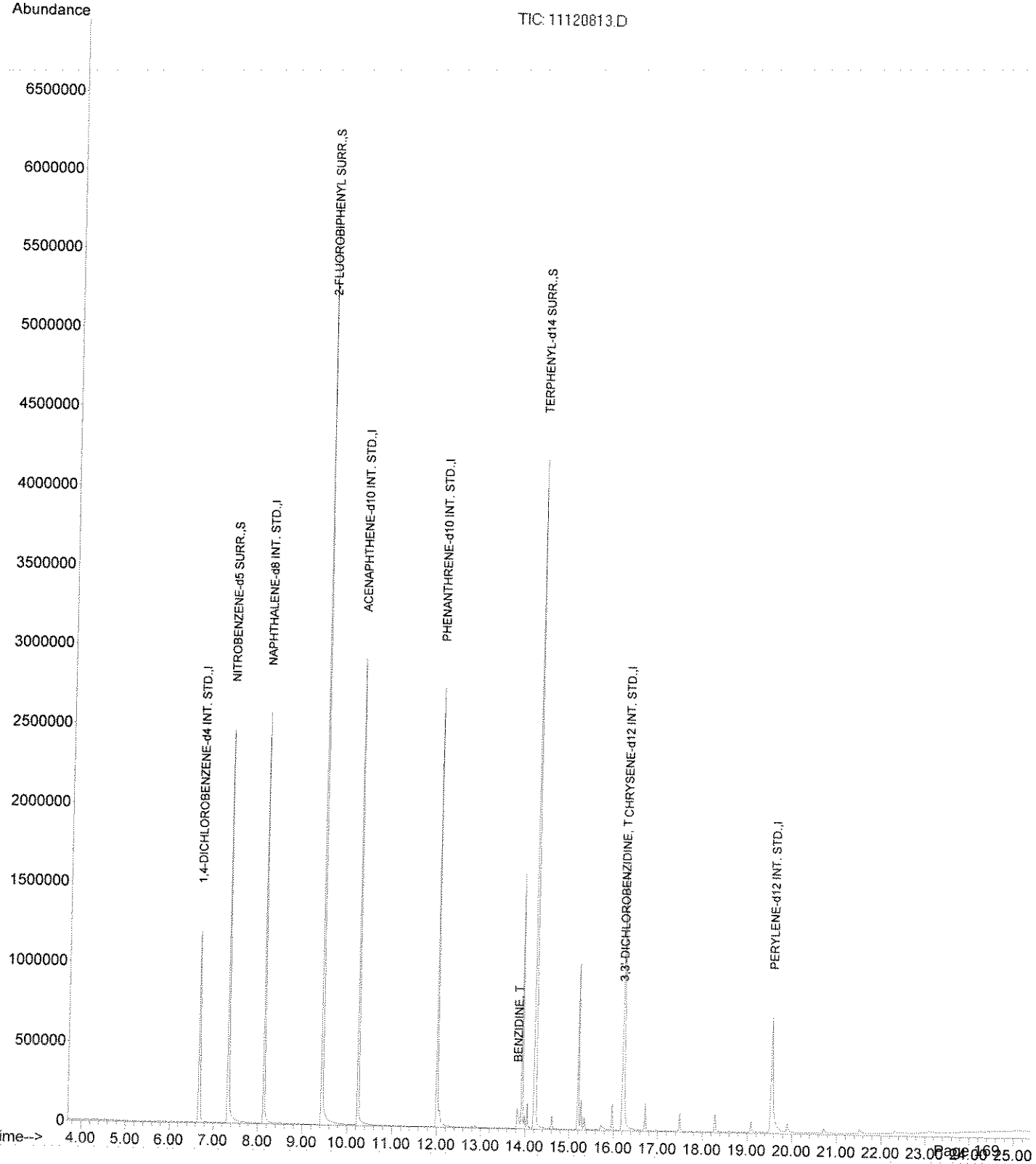
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.67	150	784764	40.00 PPB	-0.07
2) NAPHTHALENE-d8 INT. STD.	8.14	136	2003870	40.00 PPB	-0.07
4) ACENAPHTHENE-d10 INT. STD.	10.24	162	1064039	40.00 PPB	-0.07
6) PHENANTHRENE-d10 INT. STD.	12.01	188	1622507	40.00 PPB	-0.06
7) CHRYSENE-d12 INT. STD.	16.22	240	1351886	40.00 PPB	-0.10
10) PERYLENE-d12 INT. STD.	19.54	264	838098	40.00 PPB	-0.11
System Monitoring Compounds					
3) NITROBENZENE-d5 SURR.	7.34	82	1711488	100.78 PPB	-0.08
5) 2-FLUOROBIPHENYL SURR.	9.43	172	3112489	102.11 PPB	-0.08
9) TERPHENYL-d14 SURR.	14.23	244	2755081	109.37 PPB	-0.08
Target Compounds					Qvalue
8) BENZIDINE	13.82	184	205734	6.95 PPB	97
11) 3,3'-DICHLOROBENZIDINE	16.19	252	120451	10.58 PPB	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\NOV08\111208\
Data File : 11120813.D
Acq On : 12 Nov 2008 5:43 pm
Operator : J. Aquilina
Sample : bz std 10 ppb s08-2
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 13 09:18:32 2008
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration



BZ111208.M Wed Jan 14 14:27:14 2009 J

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\NOV08\111208\
Data File : 11120814.D
Acq On : 12 Nov 2008 6:18 pm
Operator : J. Aquilina
Sample : bz std 20 ppb s08-2
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 13 09:18:33 2008
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration

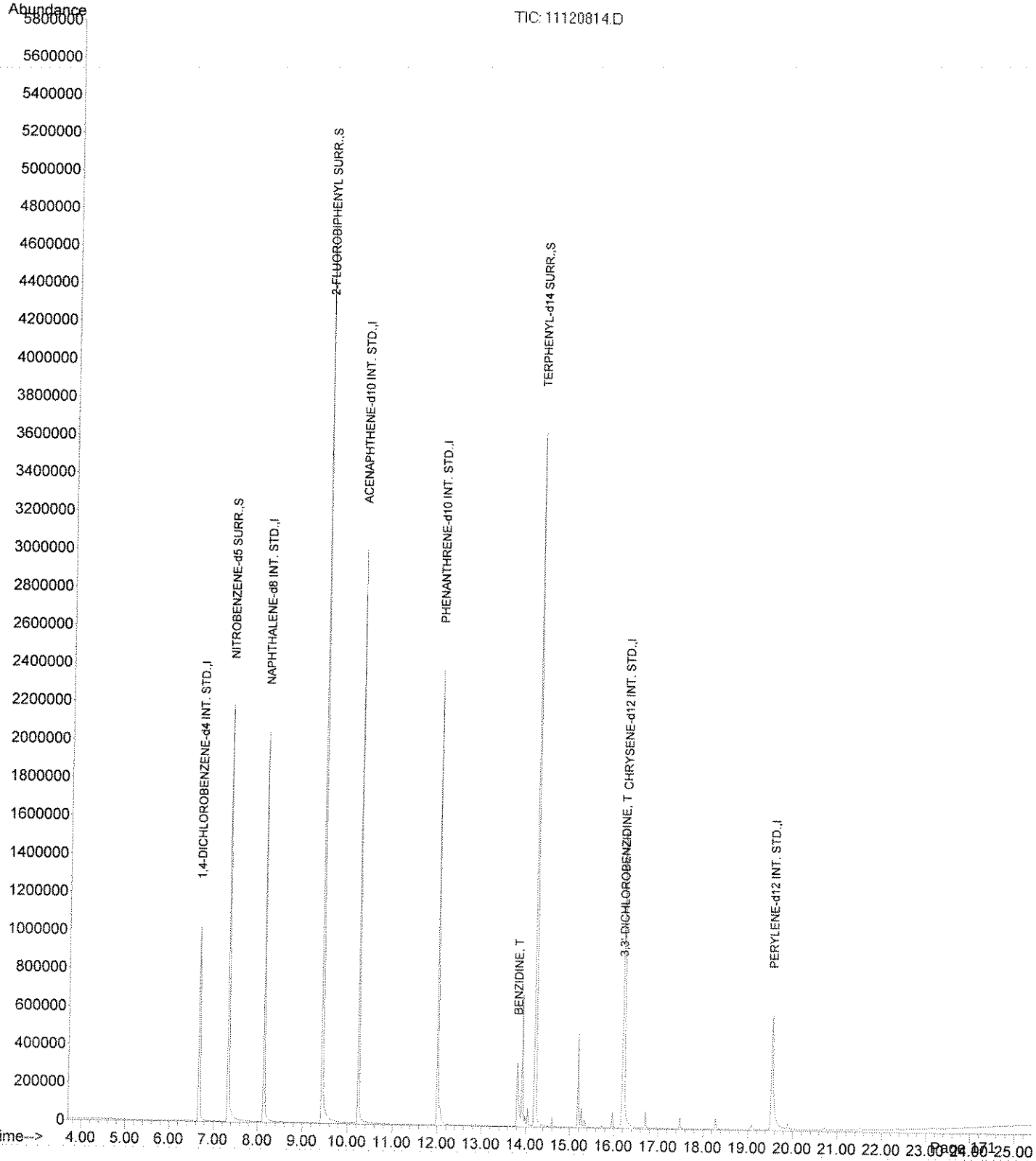
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.67	150	681030	40.00	PPB	-0.07
2) NAPHTHALENE-d8 INT. STD.	8.14	136	1723070	40.00	PPB	-0.07
4) ACENAPHTHENE-d10 INT. STD.	10.24	162	976313	40.00	PPB	-0.07
6) PHENANTHRENE-d10 INT. STD.	12.00	188	1459893	40.00	PPB	-0.07
7) CHRYSENE-d12 INT. STD.	16.22	240	1208719	40.00	PPB	-0.10
10) PERYLENE-d12 INT. STD.	19.54	264	738501	40.00	PPB	-0.11
System Monitoring Compounds						
3) NITROBENZENE-d5 SURR.	7.33	82	1488002	101.90	PPB	-0.08
5) 2-FLUOROBIPHENYL SURR.	9.43	172	2824612	100.99	PPB	-0.09
9) TERPHENYL-d14 SURR.	14.22	244	2474648	109.88	PPB	-0.08
Target Compounds						Qvalue
8) BENZIDINE	13.81	184	465295	17.58	PPB	97
11) 3,3'-DICHLOROBENZIDINE	16.19	252	225534	22.49	PPB	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\NOV08\111208\
Data File : 11120814.D
Acq On : 12 Nov 2008 6:18 pm
Operator : J. Aquilina
Sample : bz std 20 ppb s08-2
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 13 09:18:33 2008
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration



Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\NOV08\111208\
Data File : 11120815.D
Acq On : 12 Nov 2008 6:53 pm
Operator : J. Aquilina
Sample : bz std 50 ppb s08-2
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 13 09:18:34 2008
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration

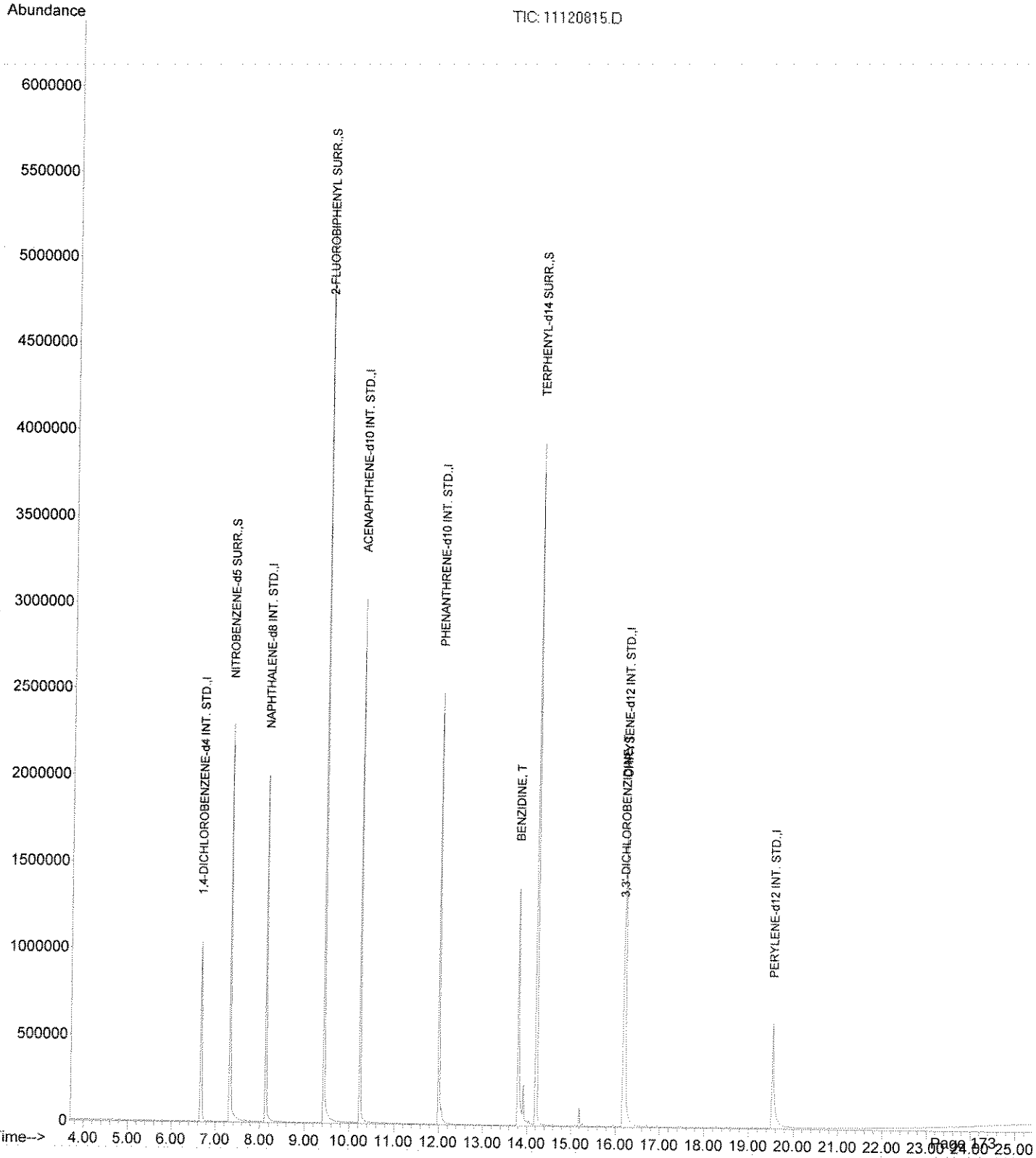
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.67	150	687921	40.00	PPB	-0.07
2) NAPHTHALENE-d8 INT. STD.	8.14	136	1740864	40.00	PPB	-0.08
4) ACENAPHTHENE-d10 INT. STD.	10.24	162	964991	40.00	PPB	-0.08
6) PHENANTHRENE-d10 INT. STD.	12.00	188	1452270	40.00	PPB	-0.07
7) CHRYSENE-d12 INT. STD.	16.21	240	1197999	40.00	PPB	-0.11
10) PERYLENE-d12 INT. STD.	19.53	264	737922	40.00	PPB	-0.11
System Monitoring Compounds						
3) NITROBENZENE-d5 SURR.	7.32	82	1472227	99.79	PPB	-0.09
5) 2-FLUOROBIPHENYL SURR.	9.43	172	2822988	102.12	PPB	-0.08
9) TERPHENYL-d14 SURR.	14.22	244	2440995	109.35	PPB	-0.09
Target Compounds						Qvalue
8) BENZIDINE	13.79	184	1362095	51.92	PPB	99
11) 3,3'-DICHLOROBENZIDINE	16.17	252	585311	58.40	PPB	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\NOV08\111208\
Data File : 11120815.D
Acq On : 12 Nov 2008 6:53 pm
Operator : J. Aquilina
Sample : bz std 50 ppb s08-2
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 13 09:18:34 2008
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration



Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\NOV08\111208\
Data File : 11120816.D
Acq On : 12 Nov 2008 7:28 pm
Operator : J. Aquilina
Sample : bz std 80 ppb s08-2
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 13 09:18:35 2008
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration

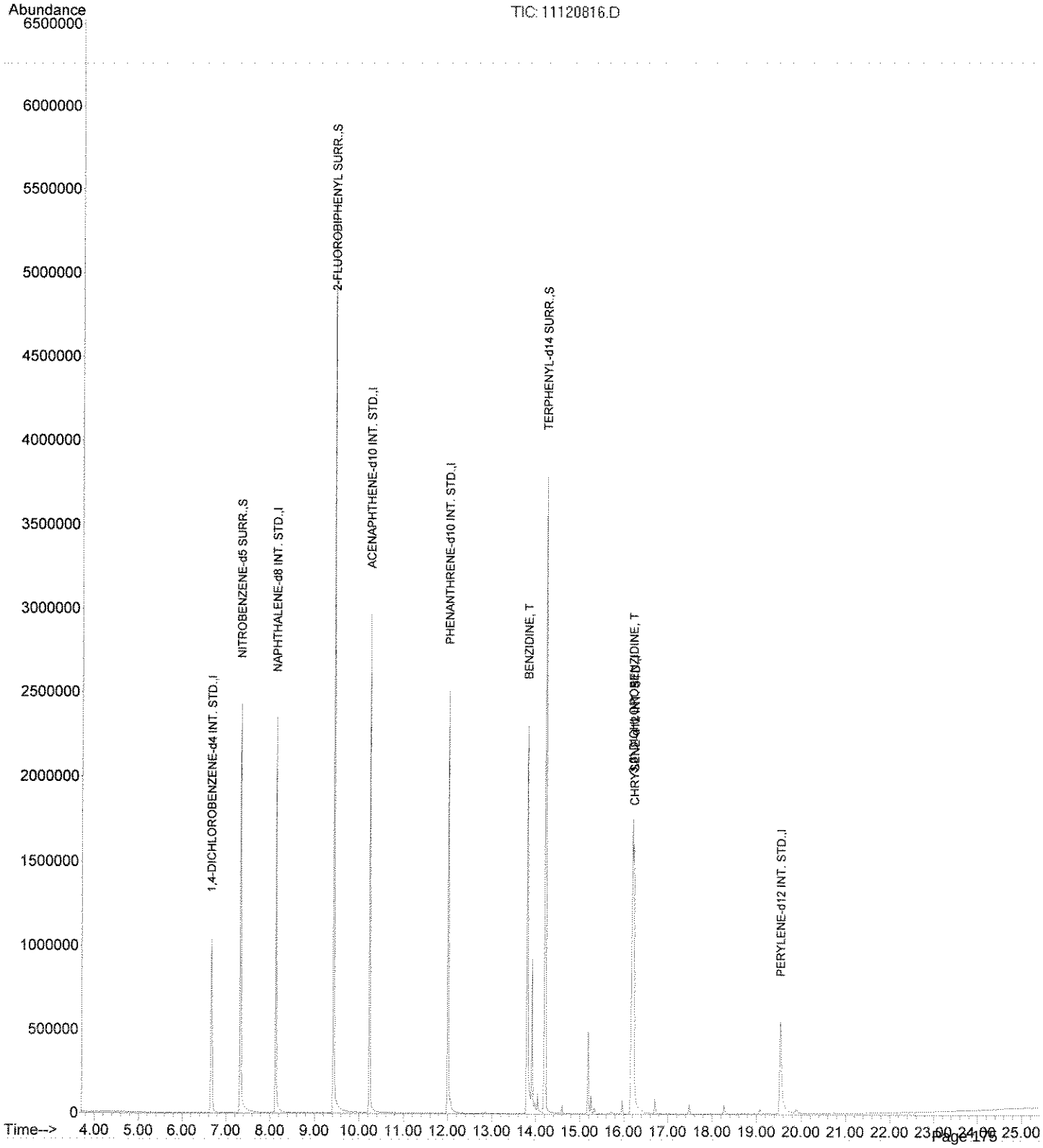
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.66	150	649879	40.00 PPB	-0.08
2) NAPHTHALENE-d8 INT. STD.	8.13	136	1658806	40.00 PPB	-0.09
4) ACENAPHTHENE-d10 INT. STD.	10.23	162	934995	40.00 PPB	-0.08
6) PHENANTHRENE-d10 INT. STD.	12.00	188	1408679	40.00 PPB	-0.07
7) CHRYSENE-d12 INT. STD.	16.21	240	1091157	40.00 PPB	-0.10
10) PERYLENE-d12 INT. STD.	19.53	264	673947	40.00 PPB	-0.12
System Monitoring Compounds					
3) NITROBENZENE-d5 SURR.	7.32	82	1461074	103.93 PPB	-0.09
5) 2-FLUOROBIPHENYL SURR.	9.43	172	2779950	103.79 PPB	-0.09
9) TERPHENYL-d14 SURR.	14.21	244	2422936	119.17 PPB	-0.09
Target Compounds					Qvalue
8) BENZIDINE	13.80	184	1967540	82.35 PPB	99
11) 3,3'-DICHLOROBENZIDINE	16.18	252	824663	90.10 PPB	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\NOV08\111208\
Data File : 11120816.D
Acq On : 12 Nov 2008 7:28 pm
Operator : J. Aquilina
Sample : bz std 80 ppb s08-2
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 13 09:18:35 2008
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : C:\MSDCHEM\1\DATA\NOV08\111208\
Data File : 11120817.D
Acq On : 12 Nov 2008 8:03 pm
Operator : J. Aquilina
Sample : bz std 30 ppb s08-2
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 13 09:18:36 2008
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-DICHLOROBENZENE-d4 INT.	1.000	1.000	0.0	109	-0.08
2	I	NAPHTHALENE-d8 INT. STD.	1.000	1.000	0.0	105	-0.08
3	S	NITROBENZENE-d5 SURR.	0.343	0.348	-1.5	109	-0.09
4	I	ACENAPHTHENE-d10 INT. STD.	1.000	1.000	0.0	106	-0.08
5	S	2-FLUOROBIPHENYL SURR.	1.172	1.181	-0.8	107	-0.09
6	I	PHENANTHRENE-d10 INT. STD.	1.000	1.000	0.0	108	-0.07
7	I	CHRYSENE-d12 INT. STD.	1.000	1.000	0.0	108	-0.11
8	T	BENZIDINE	0.795	0.855	-7.5	118	-0.07
9	S	TERPHENYL-d14 SURR.	0.837	0.825	1.4	105	-0.08
10	I	PERYLENE-d12 INT. STD.	1.000	1.000	0.0	108	-0.11
11	T	3,3'-DICHLOROBENZIDINE	0.608	0.623	-2.5	110	-0.11

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\NOV08\111208\
Data File : 11120817.D
Acq On : 12 Nov 2008 8:03 pm
Operator : J. Aquilina
Sample : bz std 30 ppb s08-2
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 13 09:18:36 2008
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration

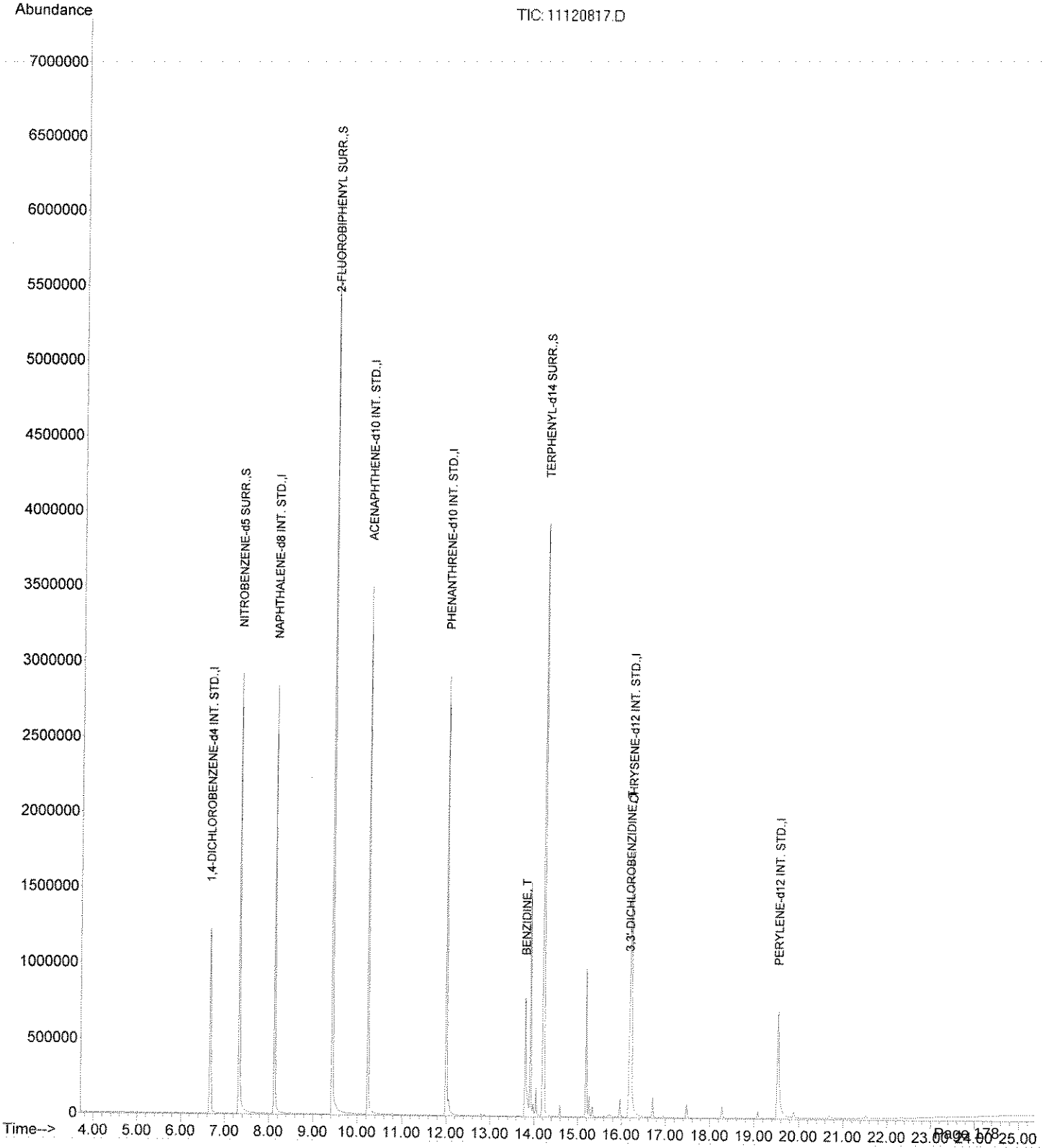
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.66	150	811305	40.00 PPB	-0.08
2) NAPHTHALENE-d8 INT. STD.	8.13	136	1993613	40.00 PPB	-0.08
4) ACENAPHTHENE-d10 INT. STD.	10.23	162	1088444	40.00 PPB	-0.08
6) PHENANTHRENE-d10 INT. STD.	12.00	188	1661789	40.00 PPB	-0.07
7) CHRYSENE-d12 INT. STD.	16.21	240	1369871	40.00 PPB	-0.11
10) PERYLENE-d12 INT. STD.	19.53	264	840730	40.00 PPB	-0.11
System Monitoring Compounds					
3) NITROBENZENE-d5 SURR.	7.32	82	1733850	101.56 PPB	-0.09
5) 2-FLUOROBIPHENYL SURR.	9.43	172	3214358	100.80 PPB	-0.09
9) TERPHENYL-d14 SURR.	14.22	244	2826543	98.64 PPB	-0.08
Target Compounds					Qvalue
8) BENZIDINE	13.80	184	878590	32.29 PPB	99
11) 3,3'-DICHLOROBENZIDINE	16.17	252	392695	30.71 PPB	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\NOV08\111208\
Data File : 11120817.D
Acq On : 12 Nov 2008 8:03 pm
Operator : J. Aquilina
Sample : bz std 30 ppb s08-2
Misc :
ALS Vial : 13 Sample Multiplier: 1

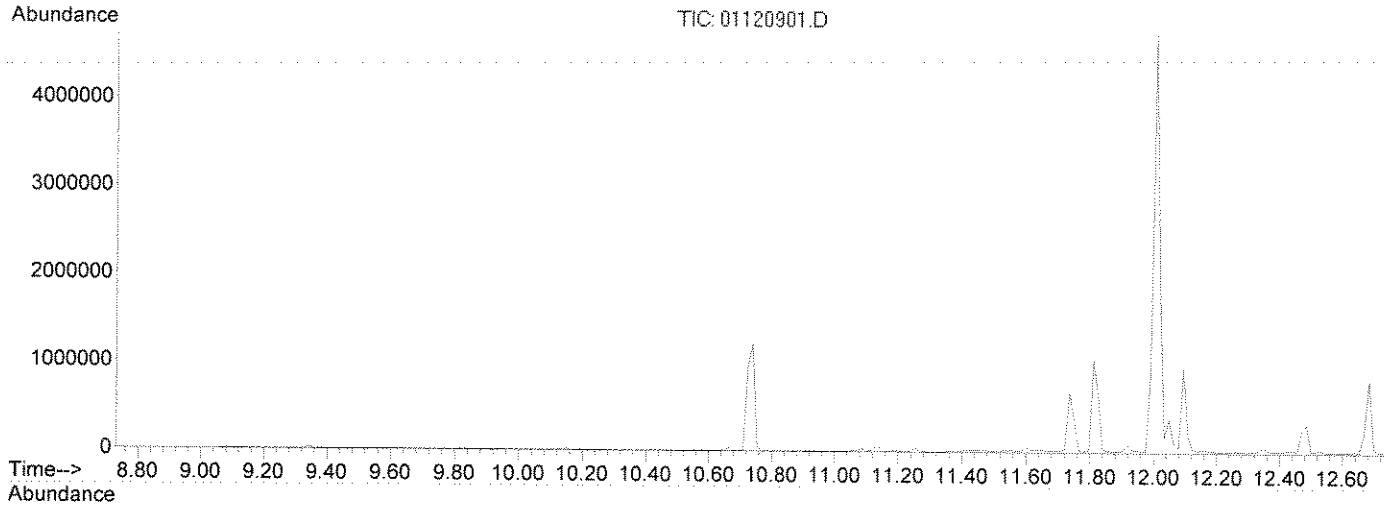
Quant Time: Nov 13 09:18:36 2008
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration

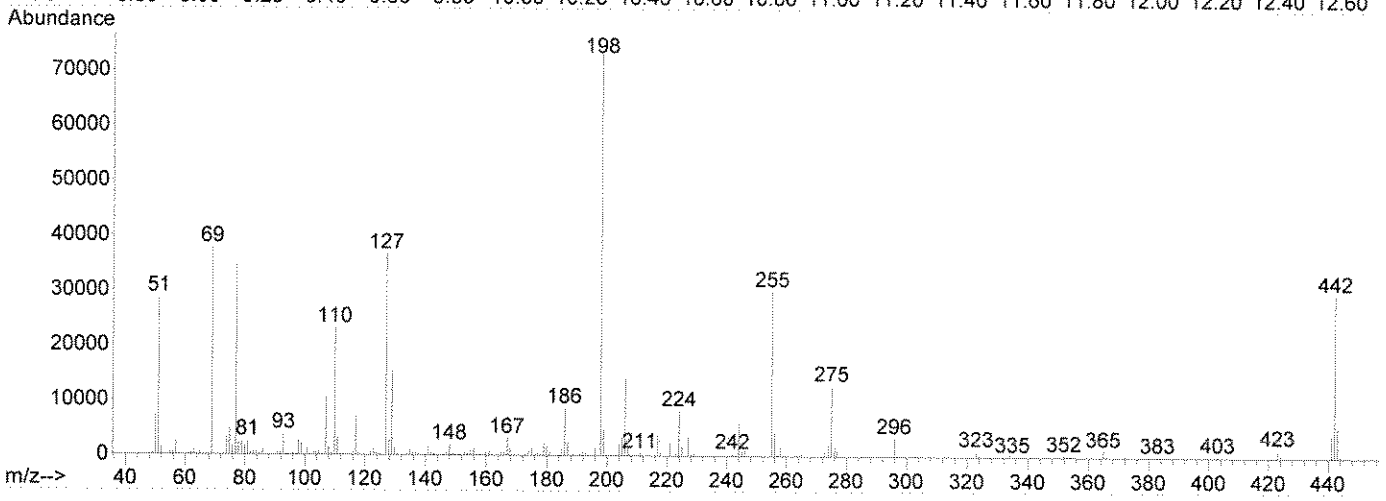


Data Path : C:\MSDChem\1\DATA\jan09\011209\
Data File : 01120901.D
Acq On : 12 Jan 2009 9:52 am
Operator : J. Aquilina
Sample : dftpp
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\MSDCHEM\1\METHODS\G3120108.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Dec 02 11:28:49 2008





Spectrum Information: Average of 10.709 to 10.753 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	39.2	28710	PASS
68	69	0.00	2	1.1	397	PASS
69	198	0.00	100	51.5	37755	PASS
70	69	0.00	2	0.5	196	PASS
127	198	40	60	50.0	36642	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	73280	PASS
199	198	5	9	6.7	4885	PASS
275	198	10	30	17.6	12907	PASS
365	198	1	100	1.6	1203	PASS
441	443	0.01	100	72.9	4283	PASS
442	198	40	100	40.6	29788	PASS
443	442	17	23	19.7	5879	PASS

Evaluate Continuing Calibration Report

Data Path : C:\MSDChem\1\DATA\jan09\011209\
Data File : 01120902.D
Acq On : 12 Jan 2009 10:18 am
Operator : J. Aquilina
Sample : bna std 30 ppb s08-2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 13 09:33:37 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-DICHLOROBENZENE-d4 INT.	1.000	1.000	0.0	110	-0.06
2	T	N-NITROSODIMETHYLAMINE	0.609	0.616	-1.1	115	-0.05
3	T	PYRIDINE	1.090	1.158	-6.2	117	-0.05
4	S	2-FLUOROPHENOL SURR.	0.880	0.862	2.0	108	-0.09
5	S	PHENOL-d6 SURR.	1.006	0.991	1.5	113	-0.08
6	T	PHENOL CCC	1.132	1.144	-1.1	112	-0.09
7		aniline	0.640	0.614	4.1	107	-0.05
8	T	BIS(2-CHLOROETHYL)ETHER	1.211	1.027	15.2	101	-0.04
9	T	2-CHLOROPHENOL	0.907	0.866	4.5	111	-0.08
10	T	1,3 DICHLOROBENZENE	0.930	0.953	-2.5	116	-0.05
11	T	1,4 DICHLOROBENZENE CCC	0.909	0.837	7.9	105	-0.05
12		benzyl alcohol	0.743	0.679	8.6	102	-0.05
13	T	1,2-DICHLOROBENZENE	0.921	0.904	1.8	113	-0.05
14	T	2-METHYLPHENOL	0.803	0.786	2.1	110	-0.07
15	T	BIS(2-CHLOROISOPROPYL)ETHER	1.209	1.279	-5.8	117	-0.06
16	T	4-METHYLPHENOL	1.029	0.929	9.7	101	-0.08
17	T	N-NITROSO-DI-N-PROPYLAMINE	0.537	0.542	-0.9	113	-0.04
18	T	HEXACHLOROETHANE	0.408	0.382	6.4	109	-0.05
19	I	NAPHTHALENE-d8 INT. STD.	1.000	1.000	0.0	110	-0.05
20	S	NITROBENZENE-d5 SURR.	0.370	0.374	-1.1	109	-0.04
21	T	NITROBENZENE	0.415	0.391	5.8	103	-0.04
22	T	ISOPHORONE	1.040	0.962	7.5	109	-0.05
23	T	2,4 DIMETHYLPHENOL	0.314	0.278	11.5	99	-0.07
24	T	Benzoic Acid	0.282	0.227	19.5	92	-0.03
25	T	2-NITROPHENOL	0.251	0.250	0.4	108	-0.04
26	T	BIS(2-CHLOROETHOXY)METHANE	0.575	0.574	0.2	115	-0.04
27	T	2,4 DICHLOROPHENOL CCC	0.335	0.345	-3.0	110	-0.08
28	T	1,2,4 TRICHLOROBENZENE	0.334	0.316	5.4	107	-0.05
29	T	NAPHTHALENE	1.076	1.021	5.1	109	-0.05
30	T	4-CHLOROANILINE	0.367	0.405	-10.4	111	-0.04
31	T	HEXACHLOROBUTADIENE CCC	0.173	0.165	4.6	109	-0.06
32	T	4-CHLORO-3-METHYLPHENOL CCC	0.400	0.392	2.0	107	-0.07
33	T	2-METHYLNAPHTHALENE	0.747	0.719	3.7	111	-0.05
34	T	2-NITROANILINE	0.267	0.271	-1.5	108	-0.03
35	I	ACENAPHTHENE-d10 INT. STD.	1.000	1.000	0.0	107	-0.05
36	T	HEXACHLOROCYCLOPENTADIENE S	0.207	0.208	-0.5	115	-0.06
37	T	2,4,6-TRICHLOROPHENOL CCC	0.389	0.397	-2.1	109	-0.06
38	T	2,4,5 TRICHLOROPHENOL	0.369	0.323	12.5	94	-0.09
39	S	2-FLUOROBIPHENYL SURR.	1.173	1.140	2.8	106	-0.05
40	T	2-CHLORONAPHTHALENE	1.468	1.426	2.9	108	-0.04
41	T	DIMETHYLPHTHALATE	1.913	1.793	6.3	107	-0.04
42	T	2,6 DINITROTOLUENE	0.427	0.387	9.4	102	-0.03
43	T	ACENAPHTHYLENE	2.242	2.032	9.4	106	-0.04
44	T	3-NITROANILINE	0.441	0.454	-2.9	108	-0.04
45	T	ACENAPHTHENE CCC	1.399	1.321	5.6	111	-0.05
46	T	2,4-DINITROPHENOL SPCC	0.208	0.189	9.1	98	-0.03
47	T	4-NITROPHENOL SPCC	0.250	0.233	6.8	106	-0.10
48	T	DIBENZOFURAN	2.001	1.852	7.4	107	-0.05
49	T	2,4 DINITROTOLUENE	0.584	0.578	1.0	107	-0.02
50	T	DIETHYLPHTHLATE	2.041	1.792	12.2	104	-0.05
51	T	4-CHLOROPHENYLPHENYL ETHER	0.592	0.526	11.1	105	-0.05
52	T	FLUORENE	1.464	1.348	7.9	105	-0.04
53	T	4-NITROANILINE	0.303	0.265	12.5	111	-0.03

Evaluate Continuing Calibration Report

Data Path : C:\MSDChem\1\DATA\jan09\011209\
Data File : 01120902.D
Acq On : 12 Jan 2009 10:18 am
Operator : J. Aquilina
Sample : bna std 30 ppb s08-2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 13 09:33:37 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
54	I	PHENANTHRENE-d10 INT. STD.	1.000	1.000	0.0	105	-0.04
55	T	4,6-DINITRO-2-METHYLPHENOL	0.170	0.174	-2.4	102	-0.03
56	T	N-NITROSODIPHENYLAMINE	0.535	0.503	6.0	105	-0.04
57	T	1,2 DIPHENYLHYDRAZINE	1.404	1.366	2.7	107	-0.04
58	S	2,4,6 TRIBROMOPHENOL SURR.	0.113	0.108	4.4	105	-0.05
59	T	4-BROMOPHENYLPHENYL ETHER	0.254	0.237	6.7	108	-0.05
60	T	HEXACHLOROBENZENE	0.265	0.237	10.6	104	-0.04
61	T	PENTACHLOROPHENOL CCC	0.139	0.131	5.8	96	-0.05
62	T	PHENANTHRENE	1.350	1.264	6.4	103	-0.04
63	T	ANTHRACENE	1.397	1.332	4.7	105	-0.04
64	T	CARBAZOLE	1.483	1.212	18.3	84	-0.04
65	T	DI-N-BUTYLPHTHALATE	2.421	2.270	6.2	106	-0.05
66	T	FLUORANTHENE CCC	1.373	1.300	5.3	103	-0.04
67	I	CHRYSENE-d12 INT. STD.	1.000	1.000	0.0	107	-0.06
68	T	BENZIDINE	0.000	0.000#	0.0	84	0.24
69	T	PYRENE	1.446	1.397	3.4	106	-0.05
70	S	TERPHENYL-d14 SURR.	0.799	0.763	4.5	102	-0.05
71	T	BUTYLBENZYLPHTHALATE	1.135	1.119	1.4	107	-0.07
72	T	BIS(2-ETHYLHEXYL)PHTHALATE	1.557	1.486	4.6	106	-0.07
73	T	BENZO(A)ANTHRACENE	1.201	1.175	2.2	107	-0.06
74	T	CHRYSENE	1.184	1.121	5.3	105	-0.06
75	I	PERYLENE-d12 INT. STD.	1.000	1.000	0.0	111	-0.07
76	T	3,3'-DICHLOROBENZIDINE	0.000	0.000#	0.0	0#	-16.08#
77	T	DI-N-OCTYL PHTHALATE CCC	4.188	4.151	0.9	111	-0.08
78	T	BENZO(B)FLOURANTHENE	1.564	1.603	-2.5	103	-0.06
79	T	BENZO(K)FLUORANTHENE	1.524	1.585	-4.0	125	-0.05
80	T	BENZO(A)PYRENE CCC	1.330	1.379	-3.7	113	-0.06
81	T	DIBENZO(A,H)ANTHRACENE	1.015	1.008	0.7	108	-0.05
82	T	INDENO(1,2,3-CD)PYRENE	1.168	1.236	-5.8	111	-0.04
83	T	BENZO(G,H,I)PERYLENE	1.072	1.069	0.3	110	-0.06

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120902.D
Acq On : 12 Jan 2009 10:18 am
Operator : J. Aquilina
Sample : bna std 30 ppb s08-2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 13 09:33:37 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.65	150	1497610	40.00 PPB		-0.06
19) NAPHTHALENE-d8 INT. STD.	8.13	136	3084926	40.00 PPB		-0.05
35) ACENAPHTHENE-d10 INT. STD.	10.23	162	1461963	40.00 PPB		-0.05
54) PHENANTHRENE-d10 INT. STD.	11.99	188	2027261	40.00 PPB		-0.04
67) CHRYSENE-d12 INT. STD.	16.21	240	1886272	40.00 PPB		-0.06
75) PERYLENE-d12 INT. STD.	19.53	264	1254754	40.00 PPB		-0.07
System Monitoring Compounds						
4) 2-FLUOROPHENOL SURR.	5.35	112	3226598	97.93 PPB		-0.09
5) PHENOL-d6 SURR.	6.35	99	3709389	98.50 PPB		-0.08
20) NITROBENZENE-d5 SURR.	7.32	82	2884320	101.02 PPB		-0.04
39) 2-FLUOROBIPHENYL SURR.	9.43	172	4166099	97.20 PPB		-0.05
58) 2,4,6 TRIBROMOPHENOL SURR.	11.20	330	547107	95.53 PPB		-0.05
70) TERPHENYL-d14 SURR.	14.21	244	3599677	95.55 PPB		-0.05
Target Compounds						Qvalue
2) N-NITROSODIMETHYLAMINE	3.89	74	691859	30.35 PPB		99
3) PYRIDINE	3.88	79	1301015	31.89 PPB		98
6) PHENOL CCC	6.36	94	1284452	30.30 PPB	#	69
7) aniline	6.34	93	689487	28.77 PPB		98
8) BIS(2-CHLOROETHYL)ETHER	6.39	93	1153471	25.45 PPB		86
9) 2-CHLOROPHENOL	6.47	128	972179	28.62 PPB		99
10) 1,3 DICHLOROBENZENE	6.61	146	1070179	30.73 PPB		97
11) 1,4 DICHLOROBENZENE CCC	6.67	146	940376	27.62 PPB		96
12) benzyl alcohol	6.84	79	763126	27.43 PPB		97
13) 1,2-DICHLOROBENZENE	6.88	146	1015043	29.43 PPB		97
14) 2-METHYLPHENOL	7.02	108	882562	29.35 PPB	#	63
15) BIS(2-CHLOROISOPROPYL)ETHE	6.99	45	1436494	31.74 PPB	#	94
16) 4-METHYLPHENOL	7.18	107	1043500	27.08 PPB		97
17) N-NITROSO-DI-N-PROPYLAMINE	7.17	43	609296	30.29 PPB		99
18) HEXACHLOROETHANE	7.23	117	429296	28.09 PPB		96
21) NITROBENZENE	7.35	77	903982	28.27 PPB		95
22) ISOPHORONE	7.60	82	2226867	27.77 PPB		99
23) 2,4 DIMETHYLPHENOL	7.76	107	642915	26.55 PPB		96
24) Benzoic Acid	7.99	105	525998m	24.20 PPB		
25) 2-NITROPHENOL	7.71	139	579119	29.92 PPB		92
26) BIS(2-CHLOROETHOXY)METHANE	7.85	93	1327206	29.91 PPB		98
27) 2,4 DICHLOROPHENOL CCC	8.02	162	797438	30.87 PPB		97
28) 1,2,4 TRICHLOROBENZENE	8.07	180	732230	28.42 PPB		99
29) NAPHTHALENE	8.15	128	2361487	28.45 PPB		99
30) 4-CHLOROANILINE	8.24	127	938115	33.15 PPB		98
31) HEXACHLOROBUTADIENE CCC	8.35	225	382819	28.68 PPB		99
32) 4-CHLORO-3-METHYLPHENOL CC	8.85	107	906223	29.34 PPB		91
33) 2-METHYLNAPHTHALENE	8.95	142	1664398	28.90 PPB		96
34) 2-NITROANILINE	9.72	138	626373	30.43 PPB		96
36) HEXACHLOROCYCLOPENTADIENE	9.22	237	228215	30.11 PPB		99
37) 2,4,6-TRICHLOROPHENOL CCC	9.35	196	435541	30.65 PPB	#	93
38) 2,4,5 TRICHLOROPHENOL	9.43	196	353684	26.21 PPB		92
40) 2-CHLORONAPHTHALENE	9.55	162	1563303	29.14 PPB		99
41) DIMETHYLPHTHALATE	9.95	163	1965999	28.12 PPB		97
42) 2,6 DINITROTOLUENE	10.05	165	424633	27.19 PPB		97
43) ACENAPHTHYLENE	10.05	152	2227484	27.18 PPB		98
44) 3-NITROANILINE	9.71	65	498225	30.91 PPB		92
45) ACENAPHTHENE CCC	10.27	153	1447947	28.32 PPB		99
46) 2,4-DINITROPHENOL SPCC	10.35	184	207124	27.28 PPB		97
47) 4-NITROPHENOL SPCC	10.53	65	255333m	27.96 PPB		
48) DIBENZOFURAN	10.46	168	2030329	27.76 PPB		81
49) 2,4 DINITROTOLUENE	10.52	165	634267	29.70 PPB		91
50) DIETHYLPHTHLATE	10.79	149	1964974	26.34 PPB		99
51) 4-CHLOROPHENYLPHENYL ETHER	10.86	204	577202	26.70 PPB		94

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120902.D
Acq On : 12 Jan 2009 10:18 am
Operator : J. Aquilina
Sample : bna std 30 ppb s08-2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 13 09:33:37 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
52) FLUORENE	10.87	166	1477674	27.61 PPB		95
53) 4-NITROANILINE	10.97	138	290477m	26.23 PPB		
55) 4,6-DINITRO-2-METHYLPHENOL	11.02	198	263920	30.62 PPB	#	22
56) N-NITROSODIPHENYLAMINE	11.02	168	765027	28.23 PPB	#	99
57) 1,2 DIPHENYLHYDRAZINE	11.05	77	2076200	29.17 PPB		95
59) 4-BROMOPHENYLPHENYL ETHER	11.44	248	360142	27.93 PPB		95
60) HEXACHLOROBENZENE	11.63	284	360890	26.88 PPB	#	100
61) PENTACHLOROPHENOL CCC	11.87	266	199705	28.36 PPB		96
62) PHENANTHRENE	12.03	178	1921194	28.08 PPB		100
63) ANTHRACENE	12.08	178	2024624	28.59 PPB		99
64) CARBAZOLE	12.27	167	1843149	24.52 PPB		99
65) DI-N-BUTYLPHTHALATE	12.75	149	3452130	28.13 PPB		100
66) FLUORANTHENE CCC	13.59	202	1976490	28.40 PPB		98
68) BENZIDINE	13.85	184	195	No Calib	#	
69) PYRENE	13.93	202	1976610	28.98 PPB		99
71) BUTYLBENZYLPHTHALATE	15.13	149	1582974	29.57 PPB		98
72) BIS(2-ETHYLHEXYL)PHTHALATE	16.42	149	2101698	28.62 PPB		97
73) BENZO(A)ANTHRACENE	16.17	228	1662684	29.36 PPB		100
74) CHRYSENE	16.27	228	1585830	28.40 PPB		99
76) 3,3'-DICHLOROBENZIDINE	0.00	252	0	N.D.		
77) DI-N-OCTYL PHTHALATE CCC	17.86	149	3906314	29.73 PPB		100
78) BENZO(B)FLOURANTHENE	18.65	252	1508063	30.75 PPB		92
79) BENZO(K)FLUORANTHENE	18.72	252	1491697m	31.20 PPB		
80) BENZO(A)PYRENE CCC	19.39	252	1297849	31.12 PPB		91
81) DIBENZO(A,H)ANTHRACENE	22.01	278	948467	29.80 PPB		96
82) INDENO(1,2,3-CD)PYRENE	21.98	276	1163331	31.76 PPB		96
83) BENZO(G,H,I)PERYLENE	22.52	276	1006070	29.92 PPB		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120902.D
Acq On : 12 Jan 2009 10:18 am
Operator : J. Aquilina
Sample : bna std 30 ppb s08-2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 13 09:33:37 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration

G3120108.M Tue Jan 13 09:34:17 2009 J

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120903.D
Acq On : 12 Jan 2009 10:52 am
Operator : J. Aquilina
Sample : bna std 1 ppb s08-2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 13 09:34:18 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.65	150	1287815	40.00 PPB		-0.06
19) NAPHTHALENE-d8 INT. STD.	8.12	136	2861587	40.00 PPB		-0.06
35) ACENAPHTHENE-d10 INT. STD.	10.22	162	1369872	40.00 PPB		-0.05
54) PHENANTHRENE-d10 INT. STD.	12.00	188	1978097	40.00 PPB		-0.04
67) CHRYSENE-d12 INT. STD.	16.20	240	1788525	40.00 PPB		-0.07
75) PERYLENE-d12 INT. STD.	19.53	264	1121577m	40.00 PPB		-0.07
System Monitoring Compounds						
4) 2-FLUOROPHENOL SURR.	5.35	112	2966312	104.69 PPB		-0.09
5) PHENOL-d6 SURR.	6.35	99	3476613	107.36 PPB		-0.08
20) NITROBENZENE-d5 SURR.	7.32	82	2515887	95.00 PPB		-0.05
39) 2-FLUOROBIPHENYL SURR.	9.42	172	3993900	99.44 PPB		-0.05
58) 2,4,6 TRIBROMOPHENOL SURR.	11.20	330	483962	86.61 PPB		-0.05
70) TERPHENYL-d14 SURR.	14.21	244	3272675	91.62 PPB		-0.05
Target Compounds						Qvalue
2) N-NITROSODIMETHYLAMINE	3.94	74	21351m	1.09 PPB		
3) PYRIDINE	3.93	79	40795m	1.16 PPB		
6) PHENOL CCC	6.36	94	48767	1.34 PPB	#	1
7) aniline	6.36	93	27033m	1.31 PPB		
8) BIS(2-CHLOROETHYL)ETHER	6.39	93	42195m	1.08 PPB		
9) 2-CHLOROPHENOL	6.49	128	35745	1.22 PPB		96
10) 1,3 DICHLOROBENZENE	6.61	146	37414	1.25 PPB		97
11) 1,4 DICHLOROBENZENE CCC	6.67	146	36295	1.24 PPB		88
12) benzyl alcohol	6.87	79	17698	0.74 PPB		92
13) 1,2-DICHLOROBENZENE	6.88	146	36630	1.24 PPB		96
14) 2-METHYLPHENOL	7.03	108	39048m	1.51 PPB		
15) BIS(2-CHLOROISOPROPYL)ETHE	7.00	45	55987	1.44 PPB	#	92
16) 4-METHYLPHENOL	7.20	107	37524m	1.13 PPB		
17) N-NITROSO-DI-N-PROPYLAMINE	7.17	43	21661	1.25 PPB		95
18) HEXACHLOROETHANE	7.22	117	15789	1.20 PPB		97
21) NITROBENZENE	7.34	77	38391	1.29 PPB		94
22) ISOPHORONE	7.60	82	89107	1.20 PPB		96
23) 2,4 DIMETHYLPHENOL	7.82	107	20258m	0.90 PPB		
24) Benzoic Acid	8.02	105	4066	0.20 PPB	#	61
25) 2-NITROPHENOL	7.72	139	21911m	1.22 PPB		
26) BIS(2-CHLOROETHOXY)METHANE	7.86	93	45083m	1.10 PPB		
27) 2,4 DICHLOROPHENOL CCC	8.09	162	23434m	0.98 PPB		
28) 1,2,4 TRICHLOROBENZENE	8.08	180	27553	1.15 PPB		97
29) NAPHTHALENE	8.14	128	95285	1.24 PPB		89
30) 4-CHLOROANILINE	8.30	127	25704m	0.98 PPB		
31) HEXACHLOROBUTADIENE CCC	8.36	225	13586	1.10 PPB		98
32) 4-CHLORO-3-METHYLPHENOL CC	8.90	107	25425m	0.89 PPB		
33) 2-METHYLNAPHTHALENE	8.97	142	67856	1.27 PPB		92
34) 2-NITROANILINE	9.77	138	14662m	0.77 PPB		
36) HEXACHLOROCYCLOPENTADIENE	9.23	237	217	N.D.		
37) 2,4,6-TRICHLOROPHENOL CCC	9.38	196	13500	1.01 PPB	#	53
38) 2,4,5 TRICHLOROPHENOL	9.49	196	16078m	1.27 PPB		
40) 2-CHLORONAPHTHALENE	9.55	162	58989	1.17 PPB		100
41) DIMETHYLPHTHALATE	9.95	163	76671	1.17 PPB		97
42) 2,6 DINITROTOLUENE	10.05	165	15748	1.08 PPB		87
43) ACENAPHTHYLENE	10.05	152	96765	1.26 PPB		95
44) 3-NITROANILINE	9.77	65	13086m	0.87 PPB		
45) ACENAPHTHENE CCC	10.26	153	56187	1.17 PPB		94
46) 2,4-DINITROPHENOL SPCC	0.00	184	0	N.D.		
47) 4-NITROPHENOL SPCC	10.56	65	469	N.D.		
48) DIBENZOFURAN	10.47	168	89005	1.30 PPB	#	77
49) 2,4 DINITROTOLUENE	10.56	165	17818m	0.89 PPB		
50) DIETHYLPHTHLATE	10.78	149	83360	1.19 PPB		99
51) 4-CHLOROPHENYLPHENYL ETHER	10.86	204	27212	1.34 PPB		88

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120903.D
Acq On : 12 Jan 2009 10:52 am
Operator : J. Aquilina
Sample : bna std 1 ppb s08-2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 13 09:34:18 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration

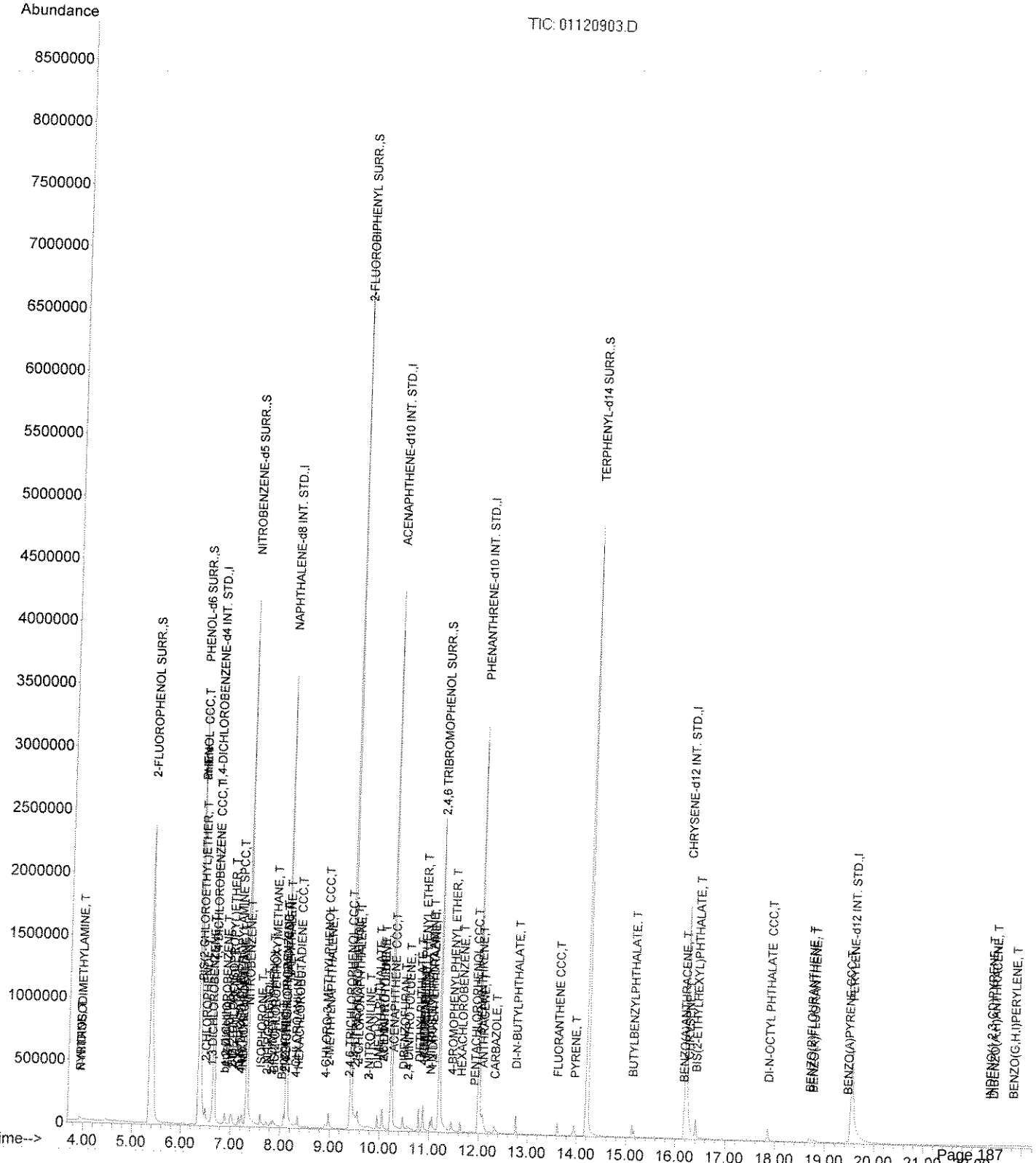
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
52) FLUORENE	10.87	166	66585	1.33 PPB		98
53) 4-NITROANILINE	10.87	138	6255m	0.60 PPB		
55) 4,6-DINITRO-2-METHYLPHENOL	0.00	198	0	N.D.		
56) N-NITROSODIPHENYLAMINE	11.01	168	29438	1.11 PPB	#	97
57) 1,2 DIPHENYLHYDRAZINE	11.05	77	77417	1.11 PPB		88
59) 4-BROMOPHENYLPHENYL ETHER	11.45	248	14885	1.18 PPB		94
60) HEXACHLOROBENZENE	11.64	284	14921	1.14 PPB	#	99
61) PENTACHLOROPHENOL CCC	11.91	266	1216	0.18 PPB	#	72
62) PHENANTHRENE	12.02	178	79901	1.20 PPB		96
63) ANTHRACENE	12.08	178	82719	1.20 PPB		99
64) CARBAZOLE	12.32	167	73793	1.01 PPB		99
65) DI-N-BUTYLPHTHALATE	12.75	149	140295	1.17 PPB		99
66) FLUORANTHENE CCC	13.60	202	75919	1.12 PPB		98
68) BENZIDINE	0.00	184	0	N.D.		
69) PYRENE	13.94	202	76702m	1.19 PPB		
71) BUTYLBENZYLPHTHALATE	15.13	149	52866	1.04 PPB		98
72) BIS(2-ETHYLHEXYL)PHTHALATE	16.40	149	78545	1.13 PPB		98
73) BENZO(A)ANTHRACENE	16.16	228	52466	0.98 PPB		98
74) CHRYSENE	16.25	228	65158	1.23 PPB		98
76) 3,3'-DICHLOROBENZIDINE	0.00	252	0	N.D.		
77) DI-N-OCTYL PHTHALATE CCC	17.86	149	120906m	1.03 PPB		
78) BENZO(B)FLOURANTHENE	18.69	252	32557m	0.74 PPB		
79) BENZO(K)FLUORANTHENE	18.75	252	56409m	1.32 PPB		
80) BENZO(A)PYRENE CCC	19.46	252	46119m	1.24 PPB		
81) DIBENZO(A,H)ANTHRACENE	22.42	278	21314m	0.75 PPB		
82) INDENO(1,2,3-CD)PYRENE	22.34	276	23902m	0.73 PPB		
83) BENZO(G,H,I)PERYLENE	22.82	276	27981m	0.93 PPB		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120903.D
Acq On : 12 Jan 2009 10:52 am
Operator : J. Aquilina
Sample : bna std 1 ppb s08-2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 13 09:34:18 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration



Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120904.D
Acq On : 12 Jan 2009 11:24 am
Operator : J. Aquilina
Sample : bna std 10 ppb s08-2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 13 09:34:20 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.65	150	1267471	40.00 PPB		-0.06
19) NAPHTHALENE-d8 INT. STD.	8.12	136	2739787	40.00 PPB		-0.05
35) ACENAPHTHENE-d10 INT. STD.	10.23	162	1324629	40.00 PPB		-0.05
54) PHENANTHRENE-d10 INT. STD.	12.00	188	1817417	40.00 PPB		-0.03
67) CHRYSENE-d12 INT. STD.	16.21	240	1772047	40.00 PPB		-0.07
75) PERYLENE-d12 INT. STD.	19.53	264	1120054	40.00 PPB		-0.07
System Monitoring Compounds						
4) 2-FLUOROPHENOL SURR.	5.34	112	2901333	104.04 PPB		-0.10
5) PHENOL-d6 SURR.	6.34	99	3387808	106.29 PPB		-0.08
20) NITROBENZENE-d5 SURR.	7.31	82	2522305	99.47 PPB		-0.05
39) 2-FLUOROBIPHENYL SURR.	9.43	172	3793812	97.69 PPB		-0.04
58) 2,4,6 TRIBROMOPHENOL SURR.	11.20	330	485200	94.51 PPB		-0.05
70) TERPHENYL-d14 SURR.	14.21	244	3323447	93.91 PPB		-0.05
Target Compounds						Qvalue
2) N-NITROSODIMETHYLAMINE	3.90	74	210001	10.88 PPB		98
3) PYRIDINE	3.88	79	366172	10.60 PPB		95
6) PHENOL CCC	6.37	94	411089	11.46 PPB	#	36
7) aniline	6.34	93	215892	10.64 PPB	#	66
8) BIS(2-CHLOROETHYL)ETHER	6.39	93	432019	11.26 PPB		95
9) 2-CHLOROPHENOL	6.48	128	313003	10.89 PPB		98
10) 1,3 DICHLOROBENZENE	6.61	146	344095	11.67 PPB		98
11) 1,4 DICHLOROBENZENE CCC	6.67	146	314705	10.92 PPB		97
12) benzyl alcohol	6.84	79	234734	9.97 PPB		99
13) 1,2-DICHLOROBENZENE	6.88	146	326729	11.19 PPB		97
14) 2-METHYLPHENOL	7.01	108	284082	11.16 PPB	#	63
15) BIS(2-CHLOROISOPROPYL)ETHE	6.99	45	526961	13.76 PPB	#	93
16) 4-METHYLPHENOL	7.19	107	360024	11.04 PPB		97
17) N-NITROSO-DI-N-PROPYLAMINE	7.17	43	213508	12.54 PPB		97
18) HEXACHLOROETHANE	7.22	117	152631	11.80 PPB		97
21) NITROBENZENE	7.34	77	313031	11.02 PPB		94
22) ISOPHORONE	7.59	82	748430	10.51 PPB		99
23) 2,4 DIMETHYLPHENOL	7.78	107	179519	8.35 PPB		96
24) Benzoic Acid	7.95	105	125940	6.52 PPB		83
25) 2-NITROPHENOL	7.71	139	197563	11.49 PPB		88
26) BIS(2-CHLOROETHOXY)METHANE	7.85	93	443386	11.25 PPB		96
27) 2,4 DICHLOROPHENOL CCC	8.03	162	253567	11.05 PPB		96
28) 1,2,4 TRICHLOROBENZENE	8.08	180	259148	11.33 PPB		100
29) NAPHTHALENE	8.14	128	843836	11.45 PPB		99
30) 4-CHLOROANILINE	8.25	127	259591	10.33 PPB		97
31) HEXACHLOROBUTADIENE CCC	8.35	225	138248	11.66 PPB		99
32) 4-CHLORO-3-METHYLPHENOL CC	8.85	107	269438	9.82 PPB		91
33) 2-METHYLNAPHTHALENE	8.96	142	602993	11.79 PPB		95
34) 2-NITROANILINE	9.71	138	187410	10.25 PPB		96
36) HEXACHLOROCYCLOPENTADIENE	9.22	237	49433	7.20 PPB		99
37) 2,4,6-TRICHLOROPHENOL CCC	9.35	196	143182	11.12 PPB	#	93
38) 2,4,5 TRICHLOROPHENOL	9.44	196	131112	10.72 PPB		96
40) 2-CHLORONAPHTHALENE	9.54	162	547057	11.26 PPB		99
41) DIMETHYLPHTHALATE	9.94	163	700901	11.07 PPB		97
42) 2,6 DINITROTOLUENE	10.04	165	159693	11.28 PPB		98
43) ACENAPHTHYLENE	10.04	152	841523	11.33 PPB		96
44) 3-NITROANILINE	9.71	65	159501	10.92 PPB		95
45) ACENAPHTHENE CCC	10.26	153	525316	11.34 PPB		100
46) 2,4-DINITROPHENOL SPCC	10.37	184	36752	5.34 PPB		95
47) 4-NITROPHENOL SPCC	10.60	65	53235m	6.43 PPB		
48) DIBENZOFURAN	10.45	168	762422	11.50 PPB		80
49) 2,4 DINITROTOLUENE	10.51	165	213909	11.05 PPB		94
50) DIETHYLPHTHLATE	10.79	149	748754	11.08 PPB		99
51) 4-CHLOROPHENYLPHENYL ETHER	10.86	204	230311	11.76 PPB		93

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120904.D
Acq On : 12 Jan 2009 11:24 am
Operator : J. Aquilina
Sample : bna std 10 ppb s08-2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 13 09:34:20 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration

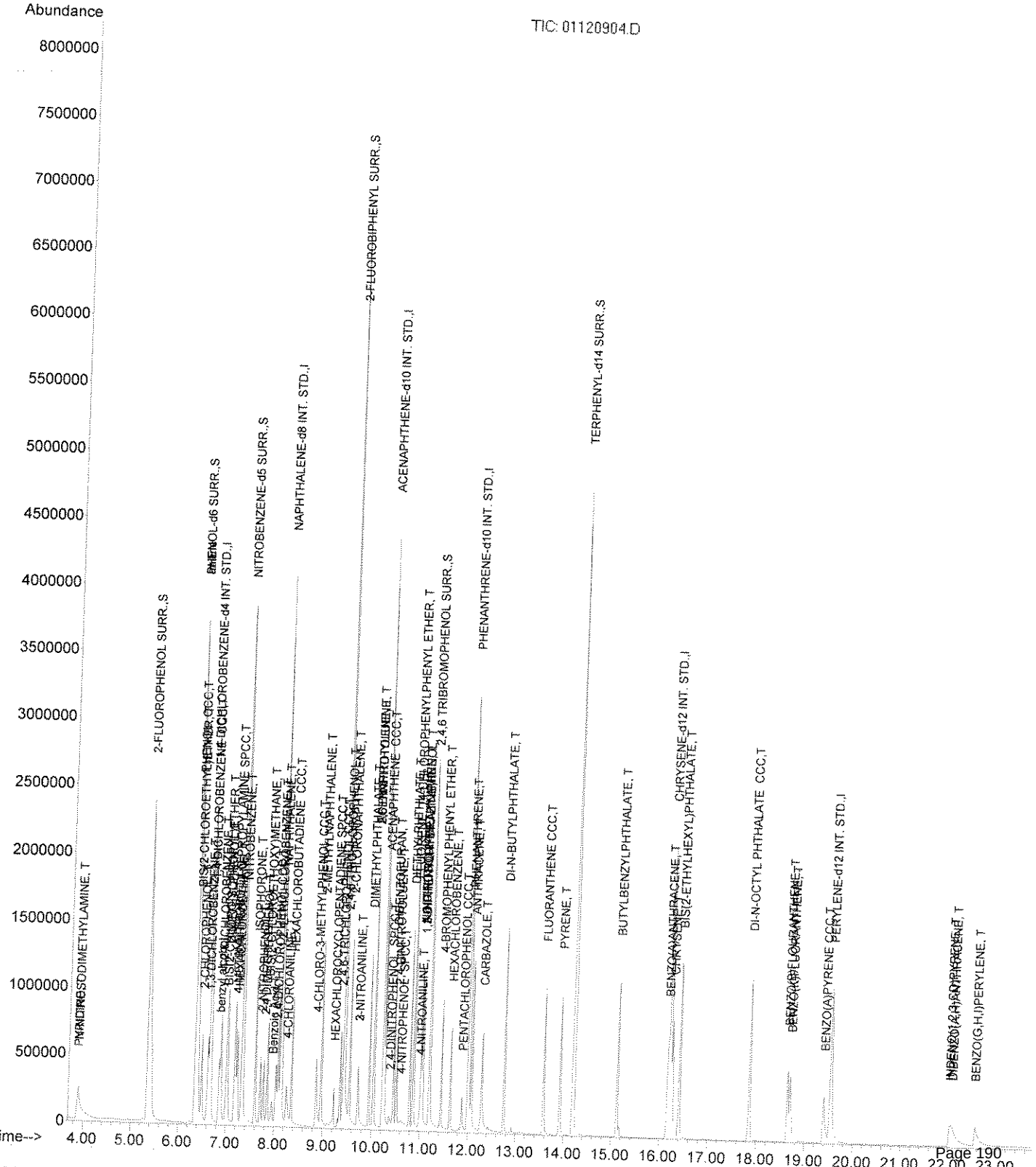
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
52) FLUORENE	10.87	166	582183	12.01 PPB		98
53) 4-NITROANILINE	11.00	138	66679	6.65 PPB	#	52
55) 4,6-DINITRO-2-METHYLPHENOL	11.02	198	78839	10.20 PPB	#	22
56) N-NITROSODIPHENYLAMINE	11.02	168	284578	11.71 PPB	#	100
57) 1,2 DIPHENYLHYDRAZINE	11.04	77	772137	12.10 PPB		92
59) 4-BROMOPHENYLPHENYL ETHER	11.44	248	129990	11.24 PPB		93
60) HEXACHLOROBENZENE	11.63	284	135962	11.29 PPB	#	100
61) PENTACHLOROPHENOL CCC	11.87	266	46545	7.37 PPB		96
62) PHENANTHRENE	12.02	178	703491	11.47 PPB		99
63) ANTHRACENE	12.07	178	750074	11.82 PPB		99
64) CARBAZOLE	12.28	167	741418	11.00 PPB		98
65) DI-N-BUTYLPHTHALATE	12.74	149	1314216	11.95 PPB		98
66) FLUORANTHENE CCC	13.58	202	732014	11.73 PPB		99
68) BENZIDINE	0.00	184	0	N.D.		
69) PYRENE	13.92	202	721942	11.27 PPB		100
71) BUTYLBENZYLPHTHALATE	15.13	149	565443	11.24 PPB		98
72) BIS(2-ETHYLHEXYL)PHTHALATE	16.41	149	772129	11.19 PPB		97
73) BENZO(A)ANTHRACENE	16.16	228	560691	10.54 PPB		99
74) CHRYSENE	16.25	228	580924	11.08 PPB		99
76) 3,3'-DICHLOROBENZIDINE	0.00	252	0	N.D.		
77) DI-N-OCTYL PHTHALATE CCC	17.85	149	1319775	11.25 PPB		100
78) BENZO(B)FLOURANTHENE	18.64	252	433386	9.90 PPB		88
79) BENZO(K)FLUORANTHENE	18.70	252	570806m	13.38 PPB		
80) BENZO(A)PYRENE CCC	19.39	252	394313	10.59 PPB		88
81) DIBENZO(A,H)ANTHRACENE	22.08	278	274233m	9.65 PPB		
82) INDENO(1,2,3-CD)PYRENE	22.02	276	348724m	10.67 PPB		
83) BENZO(G,H,I)PERYLENE	22.55	276	333421m	11.11 PPB		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120904.D
Acq On : 12 Jan 2009 11:24 am
Operator : J. Aquilina
Sample : bna std 10 ppb s08-2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 13 09:34:20 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration



Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120905.D
Acq On : 12 Jan 2009 11:58 am
Operator : J. Aquilina
Sample : bna qc std 30 ppb cc08-2
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 13 09:34:22 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.66	150	1339181	40.00	PPB		-0.05
19) NAPHTHALENE-d8 INT. STD.	8.13	136	2633470	40.00	PPB		-0.05
35) ACENAPHTHENE-d10 INT. STD.	10.24	162	1211187	40.00	PPB		-0.03
54) PHENANTHRENE-d10 INT. STD.	12.00	188	1743475	40.00	PPB		-0.03
67) CHRYSENE-d12 INT. STD.	16.22	240	1693895	40.00	PPB		-0.05
75) PERYLENE-d12 INT. STD.	19.54	264	1142800	40.00	PPB		-0.06
System Monitoring Compounds							
4) 2-FLUOROPHENOL SURR.	5.34	112	2922095	99.18	PPB		-0.10
5) PHENOL-d6 SURR.	6.35	99	3222976	95.71	PPB		-0.08
20) NITROBENZENE-d5 SURR.	7.33	82	2574892	105.64	PPB		-0.04
39) 2-FLUOROBIPHENYL SURR.	9.43	172	3691906	103.97	PPB		-0.04
58) 2,4,6 TRIBROMOPHENOL SURR.	11.20	330	496012	100.71	PPB		-0.05
70) TERPHENYL-d14 SURR.	14.22	244	3292088	97.31	PPB		-0.04
Target Compounds							Qvalue
2) N-NITROSODIMETHYLAMINE	3.89	74	619106	30.37	PPB		96
3) PYRIDINE	3.88	79	1042588	28.57	PPB		95
6) PHENOL CCC	6.37	94	1134567	29.93	PPB	#	71
7) aniline	6.34	93	628957	29.34	PPB		98
8) BIS(2-CHLOROETHYL)ETHER	6.39	93	1057925	26.10	PPB		91
9) 2-CHLOROPHENOL	6.48	128	863368	28.42	PPB		99
10) 1,3 DICHLOROBENZENE	6.61	146	875511	28.11	PPB		97
11) 1,4 DICHLOROBENZENE CCC	6.67	146	847211	27.83	PPB		97
12) benzyl alcohol	6.85	79	825997	33.20	PPB		95
13) 1,2-DICHLOROBENZENE	6.89	146	842375	27.31	PPB		98
14) 2-METHYLPHENOL	7.01	108	762587	28.36	PPB	#	62
15) BIS(2-CHLOROISOPROPYL)ETHE	7.00	45	1136943	28.09	PPB	#	97
16) 4-METHYLPHENOL	7.18	107	939119	27.25	PPB		98
17) N-NITROSO-DI-N-PROPYLAMINE	7.18	43	495304	27.54	PPB		96
18) HEXACHLOROETHANE	7.22	117	383221	28.04	PPB		97
21) NITROBENZENE	7.35	77	776157	28.43	PPB		96
22) ISOPHORONE	7.61	82	1838194	26.85	PPB		99
23) 2,4 DIMETHYLPHENOL	7.78	107	648051	31.35	PPB		98
24) Benzoic Acid	8.00	105	523618	28.22	PPB		92
25) 2-NITROPHENOL	7.71	139	527318	31.91	PPB		92
26) BIS(2-CHLOROETHOXY)METHANE	7.86	93	1105895	29.19	PPB		97
27) 2,4 DICHLOROPHENOL CCC	8.02	162	694992	31.52	PPB		97
28) 1,2,4 TRICHLOROBENZENE	8.08	180	613019	27.87	PPB		99
29) NAPHTHALENE	8.15	128	2106404	29.73	PPB		99
30) 4-CHLOROANILINE	8.24	127	1004098	41.56	PPB		99
31) HEXACHLOROBUTADIENE CCC	8.35	225	321173	28.19	PPB		99
32) 4-CHLORO-3-METHYLPHENOL CC	8.84	107	791227	30.01	PPB		91
33) 2-METHYLNAPHTHALENE	8.97	142	1709284	34.77	PPB		98
34) 2-NITROANILINE	9.72	138	660051	37.57	PPB		95
36) HEXACHLOROCYCLOPENTADIENE	9.23	237	182911	29.13	PPB		98
37) 2,4,6-TRICHLOROPHENOL CCC	9.36	196	380095	32.28	PPB	#	95
38) 2,4,5 TRICHLOROPHENOL	9.43	196	332433	29.74	PPB		95
40) 2-CHLORONAPHTHALENE	9.55	162	1278234	28.76	PPB		97
41) DIMETHYLPHTHALATE	9.96	163	1676278	28.95	PPB		97
42) 2,6 DINITROTOLUENE	10.05	165	354191	27.37	PPB		97
43) ACENAPHTHYLENE	10.05	152	1935618	28.51	PPB		97
44) 3-NITROANILINE	9.72	65	534851	40.05	PPB		93
45) ACENAPHTHENE CCC	10.27	153	1268349	29.94	PPB		99
46) 2,4-DINITROPHENOL SPCC	10.35	184	188945	30.04	PPB		97
47) 4-NITROPHENOL SPCC	10.53	65	240323m	31.77	PPB		
48) DIBENZOFURAN	10.46	168	2098246	34.63	PPB		83
49) 2,4 DINITROTOLUENE	10.52	165	532515	30.10	PPB		90
50) DIETHYLPHTHLATE	10.80	149	1735297	28.08	PPB		99
51) 4-CHLOROPHENYLPHENYL ETHER	10.86	204	503517	28.11	PPB		94

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120905.D
Acq On : 12 Jan 2009 11:58 am
Operator : J. Aquilina
Sample : bna qc std 30 ppb cc08-2
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 13 09:34:22 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration

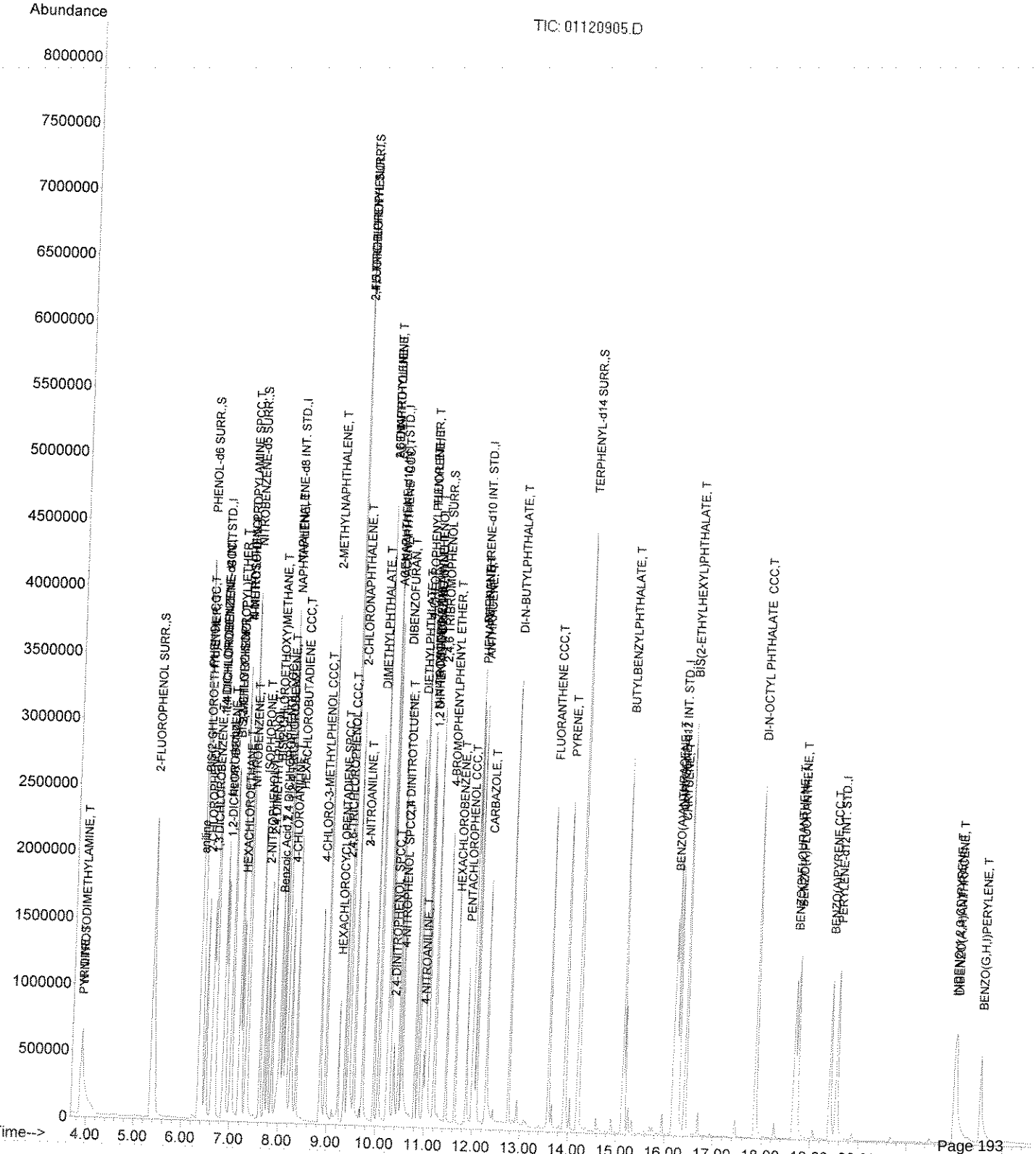
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
52) FLUORENE	10.87	166	1296212	29.23 PPB		97
53) 4-NITROANILINE	10.97	138	309855	33.78 PPB	#	79
55) 4,6-DINITRO-2-METHYLPHENOL	11.02	198	243827	32.89 PPB	#	22
56) N-NITROSODIPHENYLAMINE	11.03	168	598246	25.67 PPB	#	99
57) 1,2 DIPHENYLHYDRAZINE	11.05	77	1767627	28.87 PPB		94
59) 4-BROMOPHENYLPHENYL ETHER	11.45	248	314029	28.31 PPB		94
60) HEXACHLOROBENZENE	11.64	284	324386	28.09 PPB	#	100
61) PENTACHLOROPHENOL CCC	11.87	266	187799	31.01 PPB		95
62) PHENANTHRENE	12.02	178	1717115	29.18 PPB		100
63) ANTHRACENE	12.08	178	1783479	29.29 PPB		99
64) CARBAZOLE	12.28	167	1857907m	28.74 PPB		
65) DI-N-BUTYLPHTHALATE	12.76	149	3032857	28.74 PPB		99
66) FLUORANTHENE CCC	13.59	202	1702100	28.44 PPB		98
68) BENZIDINE	0.00	184	0	N.D.		
69) PYRENE	13.93	202	1693310	27.64 PPB		99
71) BUTYLBENZYLPHTHALATE	15.13	149	1427032	29.69 PPB		98
72) BIS(2-ETHYLHEXYL)PHTHALATE	16.42	149	1864608	28.28 PPB		97
73) BENZO(A)ANTHRACENE	16.17	228	1537350	30.22 PPB		99
74) CHRYSENE	16.27	228	1429271	28.51 PPB		100
76) 3,3'-DICHLOROBENZIDINE	0.00	252	0	N.D.		
77) DI-N-OCTYL PHTHALATE CCC	17.87	149	3321417	27.76 PPB		100
78) BENZO(B)FLOURANTHENE	18.66	252	1236658	27.68 PPB		93
79) BENZO(K)FLUORANTHENE	18.72	252	1203042m	27.63 PPB		
80) BENZO(A)PYRENE CCC	19.40	252	1163082	30.62 PPB		92
81) DIBENZO(A,H)ANTHRACENE	22.02	278	873545m	30.13 PPB		
82) INDENO(1,2,3-CD)PYRENE	21.98	276	1018514	30.53 PPB		96
83) BENZO(G,H,I)PERYLENE	22.53	276	916963m	29.94 PPB		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120905.D
Acq On : 12 Jan 2009 11:58 am
Operator : J. Aquilina
Sample : bna qc std 30 ppb cc08-2
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 13 09:34:22 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration



Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120906.D
Acq On : 12 Jan 2009 12:31 pm
Operator : J. Aquilina
Sample : bz std 30 ppb s08-2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 13 09:34:24 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration

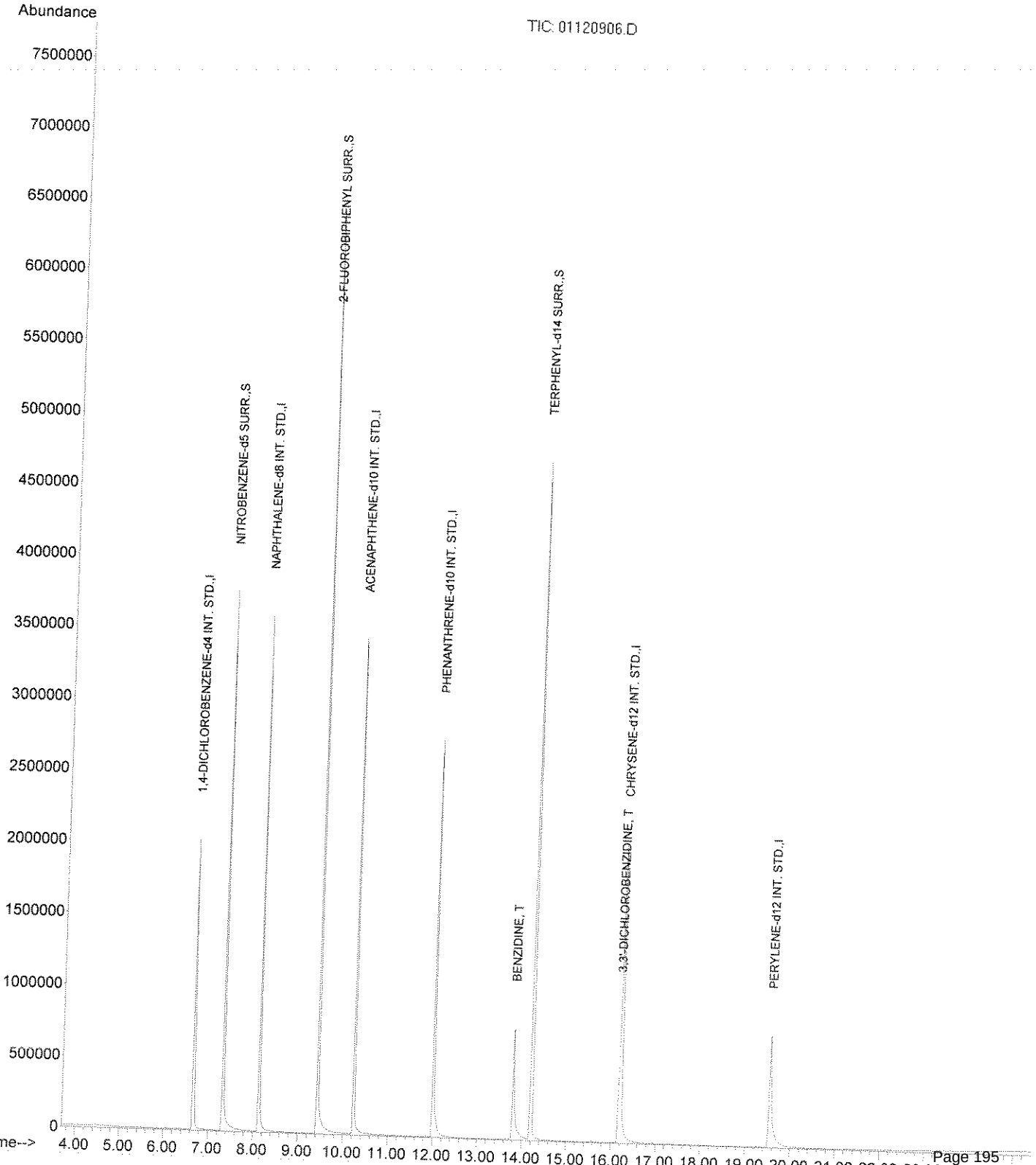
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.65	150	1180163	40.00 PPB	-0.09
2) NAPHTHALENE-d8 INT. STD.	8.12	136	2669730	40.00 PPB	-0.09
4) ACENAPHTHENE-d10 INT. STD.	10.22	162	1347114	40.00 PPB	-0.09
6) PHENANTHRENE-d10 INT. STD.	12.00	188	1926616	40.00 PPB	-0.07
7) CHRYSENE-d12 INT. STD.	16.21	240	1652260	40.00 PPB	-0.11
10) PERYLENE-d12 INT. STD.	19.54	264	1126341	40.00 PPB	-0.11
System Monitoring Compounds					
3) NITROBENZENE-d5 SURR.	7.32	82	2363402	103.37 PPB	-0.09
5) 2-FLUOROBIPHENYL SURR.	9.42	172	3882664	98.38 PPB	-0.09
9) TERPHENYL-d14 SURR.	14.21	244	3111666	90.03 PPB	-0.09
Target Compounds					Qvalue
8) BENZIDINE	13.80	184	1039406	31.67 PPB	96
11) 3,3'-DICHLOROBENZIDINE	16.17	252	501458	29.27 PPB	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120906.D
Acq On : 12 Jan 2009 12:31 pm
Operator : J. Aquilina
Sample : bz std 30 ppb s08-2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 13 09:34:24 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration



33120108.M Tue Jan 13 09:34:24 2009 J

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120907.D
Acq On : 12 Jan 2009 1:06 pm
Operator : J. Aquilina
Sample : bz std 10 ppb s08-2
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 13 09:34:25 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration

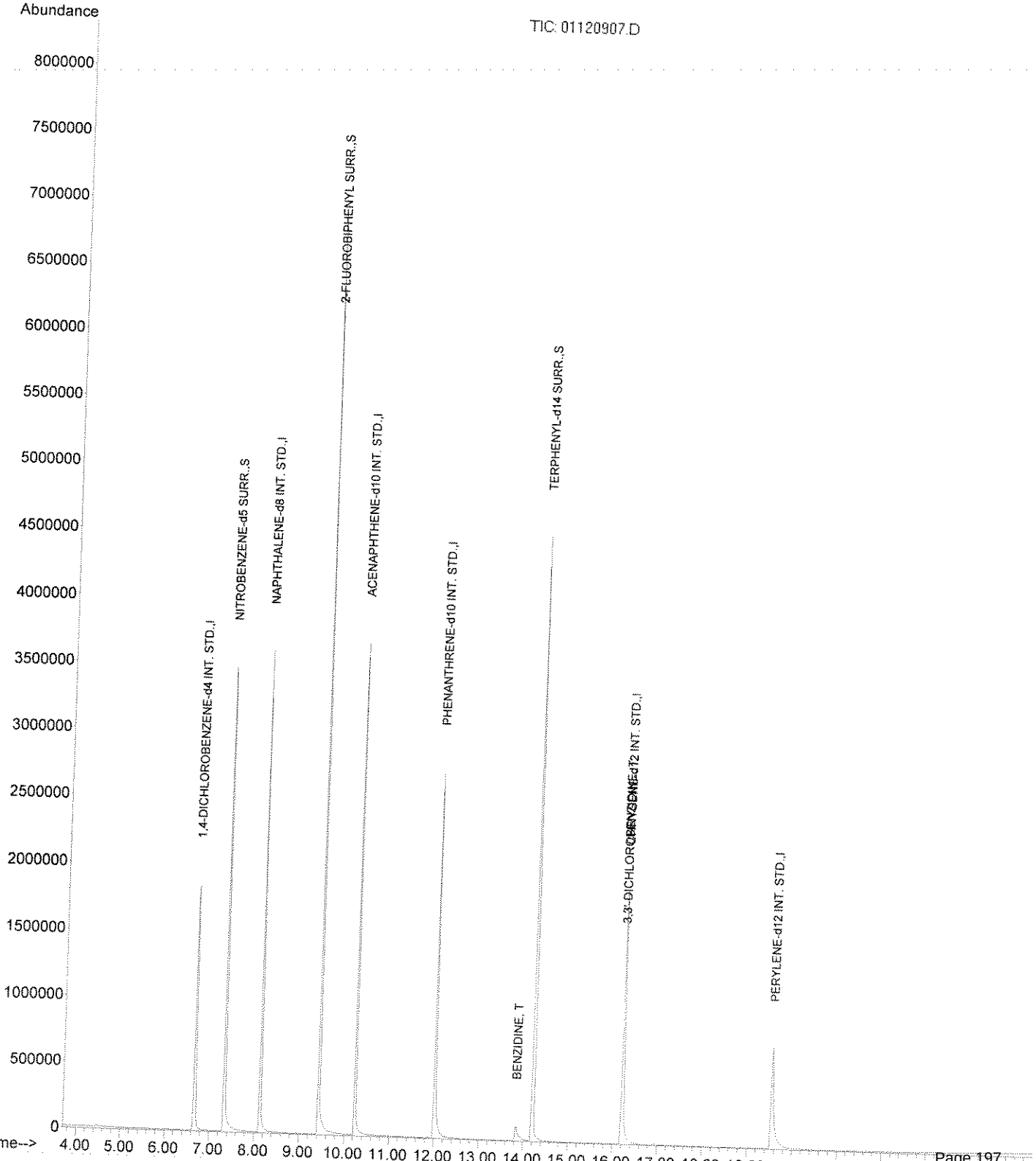
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.66	150	1215710	40.00 PPB	-0.08
2) NAPHTHALENE-d8 INT. STD.	8.13	136	2731565	40.00 PPB	-0.09
4) ACENAPHTHENE-d10 INT. STD.	10.23	162	1302942	40.00 PPB	-0.08
6) PHENANTHRENE-d10 INT. STD.	12.00	188	1946282	40.00 PPB	-0.07
7) CHRYSENE-d12 INT. STD.	16.21	240	1678510	40.00 PPB	-0.10
10) PERYLENE-d12 INT. STD.	19.53	264	1114909	40.00 PPB	-0.11
System Monitoring Compounds					
3) NITROBENZENE-d5 SURR.	7.32	82	2415731	103.27 PPB	-0.09
5) 2-FLUOROBIPHENYL SURR.	9.43	172	3845173	100.73 PPB	-0.09
9) TERPHENYL-d14 SURR.	14.21	244	3169741	90.28 PPB	-0.09
Target Compounds					Qvalue
8) BENZIDINE	13.83	184	251647	7.55 PPB	94
11) 3,3'-DICHLOROBENZIDINE	16.19	252	139852	8.25 PPB	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120907.D
Acq On : 12 Jan 2009 1:06 pm
Operator : J. Aquilina
Sample : bz std 10 ppb s08-2
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 13 09:34:25 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration



33120108.M Tue Jan 13 09:34:25 2009 J

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120908.D
Acq On : 12 Jan 2009 1:42 pm
Operator : J. Aquilina
Sample : bz qc std 30 ppb cc08-2
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 13 09:34:26 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration

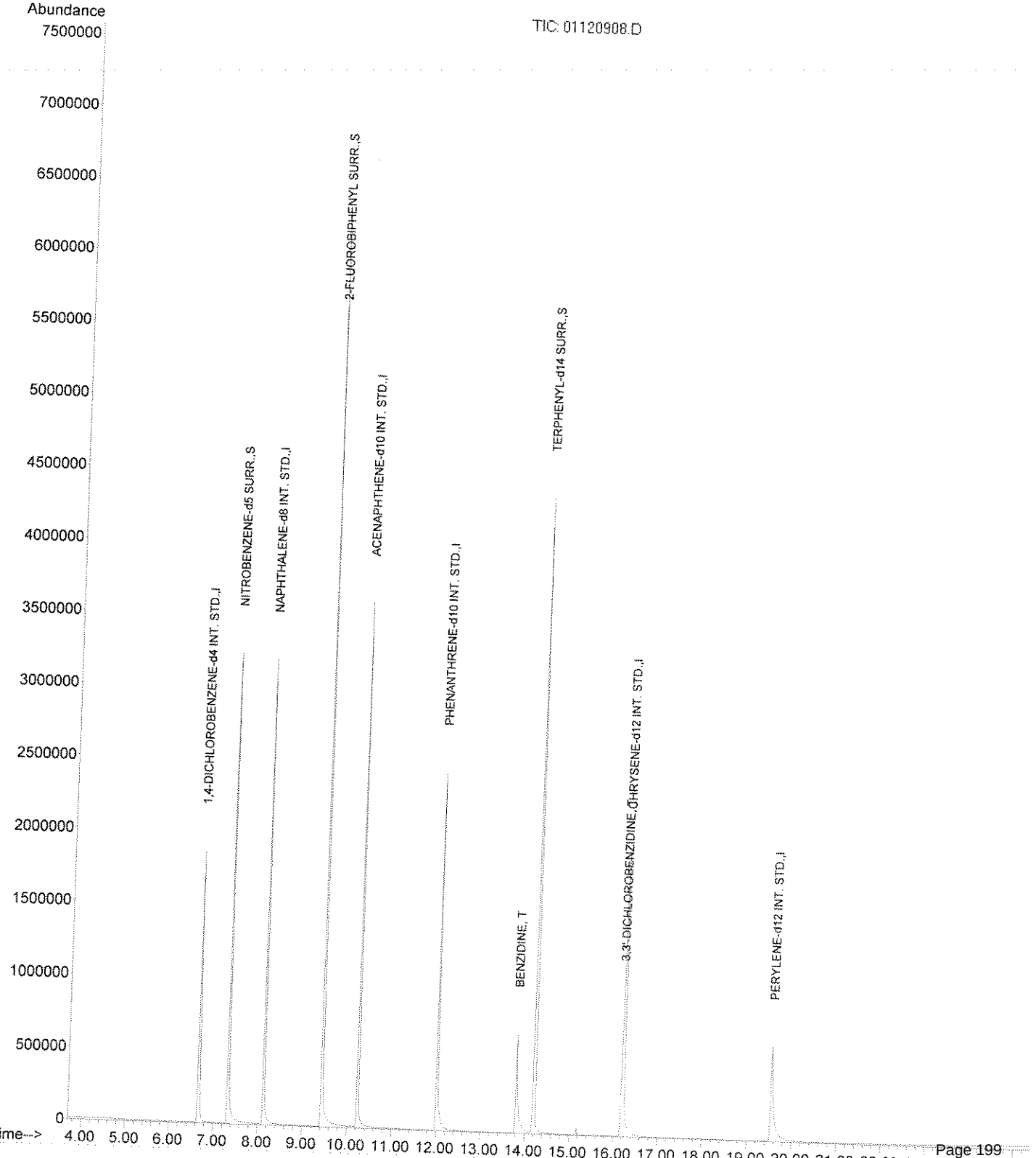
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.65	150	1132773	40.00	PPB	-0.09
2) NAPHTHALENE-d8 INT. STD.	8.12	136	2471402	40.00	PPB	-0.09
4) ACENAPHTHENE-d10 INT. STD.	10.23	162	1243836	40.00	PPB	-0.08
6) PHENANTHRENE-d10 INT. STD.	12.00	188	1792593	40.00	PPB	-0.07
7) CHRYSENE-d12 INT. STD.	16.21	240	1480000	40.00	PPB	-0.11
10) PERYLENE-d12 INT. STD.	19.54	264	998343	40.00	PPB	-0.11
System Monitoring Compounds						
3) NITROBENZENE-d5 SURR.	7.33	82	2226657	105.21	PPB	-0.09
5) 2-FLUOROBIPHENYL SURR.	9.42	172	3500608	96.06	PPB	-0.09
9) TERPHENYL-d14 SURR.	14.21	244	2893597	93.47	PPB	-0.09
Target Compounds						Qvalue
8) BENZIDINE	13.80	184	928515	31.58	PPB	95
11) 3,3'-DICHLOROBENZIDINE	16.18	252	413310	27.22	PPB	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120908.D
Acq On : 12 Jan 2009 1:42 pm
Operator : J. Aquilina
Sample : bz qc std 30 ppb cc08-2
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 13 09:34:26 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration



4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00 17.00 18.00 19.00 20.00 21.00 22.00 23.00 24.00 25.00

3120108.M Tue Jan 13 09:34:26 2009 J

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120909.D
Acq On : 12 Jan 2009 2:16 pm
Operator : J. Aquilina
Sample : bn method blank-soil
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 13 09:34:27 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.66	150	1001068	40.00	PPB	-0.05
19) NAPHTHALENE-d8 INT. STD.	8.12	136	2471944	40.00	PPB	-0.05
35) ACENAPHTHENE-d10 INT. STD.	10.23	162	1230622	40.00	PPB	-0.04
54) PHENANTHRENE-d10 INT. STD.	11.99	188	1756644	40.00	PPB	-0.04
67) CHRYSENE-d12 INT. STD.	16.21	240	1687576	40.00	PPB	-0.06
75) PERYLENE-d12 INT. STD.	19.54	264	989887	40.00	PPB	-0.05
System Monitoring Compounds						
4) 2-FLUOROPHENOL SURR.	5.51	112	909	0.04	PPB	0.07
5) PHENOL-d6 SURR.	6.47	99	261	0.01	PPB	0.05
20) NITROBENZENE-d5 SURR.	7.32	82	1969524	86.09	PPB	-0.05
39) 2-FLUOROBIPHENYL SURR.	9.42	172	3312726	91.82	PPB	-0.05
58) 2,4,6 TRIBROMOPHENOL SURR.	0.00	330	0	0.00	PPB	
70) TERPHENYL-d14 SURR.	14.21	244	2966629	88.02	PPB	-0.05
Target Compounds						Qvalue
2) N-NITROSODIMETHYLAMINE	3.91	74	178	N.D.		
3) PYRIDINE	0.00	79	0	N.D.		
6) PHENOL CCC	6.49	94	928	N.D.		
7) aniline	6.34	93	444	N.D.		
8) BIS(2-CHLOROETHYL)ETHER	6.39	93	193	N.D.		
9) 2-CHLOROPHENOL	0.00	128	0	N.D.		
10) 1,3 DICHLOROBENZENE	0.00	146	0	N.D.		
11) 1,4 DICHLOROBENZENE CCC	0.00	146	0	N.D.		
12) benzyl alcohol	6.80	79	3504	0.19	PPB #	9
13) 1,2-DICHLOROBENZENE	6.90	146	2292	N.D.		
14) 2-METHYLPHENOL	0.00	108	0	N.D.		
15) BIS(2-CHLOROISOPROPYL)ETHE	7.00	45	370	N.D.		
16) 4-METHYLPHENOL	0.00	107	0	N.D.		
17) N-NITROSO-DI-N-PROPYLAMINE	7.17	43	692	N.D.		
18) HEXACHLOROETHANE	0.00	117	0	N.D.		
21) NITROBENZENE	7.32	77	7426	0.29	PPB #	38
22) ISOPHORONE	7.74	82	3180	N.D.		
23) 2,4 DIMETHYLPHENOL	0.00	107	0	N.D.		
24) Benzoic Acid	8.12	105	3221	0.18	PPB #	1
25) 2-NITROPHENOL	0.00	139	0	N.D.		
26) BIS(2-CHLOROETHOXY)METHANE	0.00	93	0	N.D.		
27) 2,4 DICHLOROPHENOL CCC	0.00	162	0	N.D.		
28) 1,2,4 TRICHLOROBENZENE	0.00	180	0	N.D.		
29) NAPHTHALENE	8.15	128	1104	N.D.		
30) 4-CHLOROANILINE	0.00	127	0	N.D.		
31) HEXACHLOROBUTADIENE CCC	0.00	225	0	N.D.		
32) 4-CHLORO-3-METHYLPHENOL CC	0.00	107	0	N.D.		
33) 2-METHYLNAPHTHALENE	9.03	142	188	N.D.		
34) 2-NITROANILINE	0.00	138	0	N.D.		
36) HEXACHLOROCYCLOPENTADIENE	0.00	237	0	N.D.		
37) 2,4,6-TRICHLOROPHENOL CCC	0.00	196	0	N.D.		
38) 2,4,5 TRICHLOROPHENOL	0.00	196	0	N.D.		
40) 2-CHLORONAPHTHALENE	0.00	162	0	N.D.		
41) DIMETHYLPHTHALATE	0.00	163	0	N.D.		
42) 2,6 DINITROTOLUENE	0.00	165	0	N.D.		
43) ACENAPHTHYLENE	10.06	152	633	N.D.		
44) 3-NITROANILINE	0.00	65	0	N.D.		
45) ACENAPHTHENE CCC	0.00	153	0	N.D.		
46) 2,4-DINITROPHENOL SPCC	0.00	184	0	N.D.		
47) 4-NITROPHENOL SPCC	0.00	65	0	N.D.		
48) DIBENZOFURAN	0.00	168	0	N.D.		
49) 2,4 DINITROTOLUENE	10.50	165	856	N.D.		
50) DIETHYLPHTHLATE	10.82	149	187	N.D.		
51) 4-CHLOROPHENYLPHENYL ETHER	0.00	204	0	N.D.		

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120909.D
Acq On : 12 Jan 2009 2:16 pm
Operator : J. Aquilina
Sample : bn method blank-soil
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 13 09:34:27 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
52) FLUORENE	0.00	166	0	N.D.	
53) 4-NITROANILINE	0.00	138	0	N.D.	
55) 4,6-DINITRO-2-METHYLPHENOL	0.00	198	0	N.D.	
56) N-NITROSODIPHENYLAMINE	0.00	168	0	N.D.	
57) 1,2 DIPHENYLHYDRAZINE	10.89	77	649	N.D.	
59) 4-BROMOPHENYLPHENYL ETHER	0.00	248	0	N.D.	
60) HEXACHLOROBENZENE	0.00	284	0	N.D.	
61) PENTACHLOROPHENOL CCC	0.00	266	0	N.D.	
62) PHENANTHRENE	11.99	178	869	N.D.	
63) ANTHRACENE	11.99	178	869	N.D.	
64) CARBAZOLE	0.00	167	0	N.D.	
65) DI-N-BUTYLPHTHALATE	12.76	149	1503	N.D.	
66) FLUORANTHENE CCC	0.00	202	0	N.D.	
68) BENZIDINE	0.00	184	0	N.D.	
69) PYRENE	0.00	202	0	N.D.	
71) BUTYLBENZYLPHTHALATE	15.14	149	1288	N.D.	
72) BIS(2-ETHYLHEXYL)PHTHALATE	16.41	149	15958	0.24 PPB	95
73) BENZO(A)ANTHRACENE	16.20	228	3300	N.D.	
74) CHRYSENE	16.20	228	3300	N.D.	
76) 3,3'-DICHLOROBENZIDINE	0.00	252	0	N.D.	
77) DI-N-OCTYL PHTHALATE CCC	0.00	149	0	N.D.	
78) BENZO(B)FLOURANTHENE	0.00	252	0	N.D.	
79) BENZO(K)FLUORANTHENE	0.00	252	0	N.D.	
80) BENZO(A)PYRENE CCC	0.00	252	0	N.D.	
81) DIBENZO(A,H)ANTHRACENE	0.00	278	0	N.D.	
82) INDENO(1,2,3-CD)PYRENE	0.00	276	0	N.D.	
83) BENZO(G,H,I)PERYLENE	0.00	276	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (No Status)

Data Path : C:\MSDChem\1\DATA\jan09\011209bz\
Data File : 01120909.D
Acq On : 12 Jan 2009 2:16 pm
Operator : J. Aquilina
Sample : bn method blank-soil
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 13 09:30:13 2009
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.66	150	1001213	40.00 PPB	-0.08
2) NAPHTHALENE-d8 INT. STD.	8.12	136	2471944	40.00 PPB	-0.09
4) ACENAPHTHENE-d10 INT. STD.	10.23	162	1226295	40.00 PPB	-0.08
6) PHENANTHRENE-d10 INT. STD.	11.99	188	1750018	40.00 PPB	-0.08
7) CHRYSENE-d12 INT. STD.	16.21	240	1687576	40.00 PPB	-0.11
10) PERYLENE-d12 INT. STD.	19.54	264	1146645	40.00 PPB	-0.10
System Monitoring Compounds					
3) NITROBENZENE-d5 SURR.	7.32	82	1982455	93.65 PPB	-0.10
5) 2-FLUOROBIPHENYL SURR.	9.42	172	3324423	92.53 PPB	-0.09
9) TERPHENYL-d14 SURR.	14.21	244	2966629	84.04 PPB	-0.10
Target Compounds					Qvalue
8) BENZIDINE	0.00	184	0	N.D.	
11) 3,3'-DICHLOROBENZIDINE	0.00	252	0	N.D.	

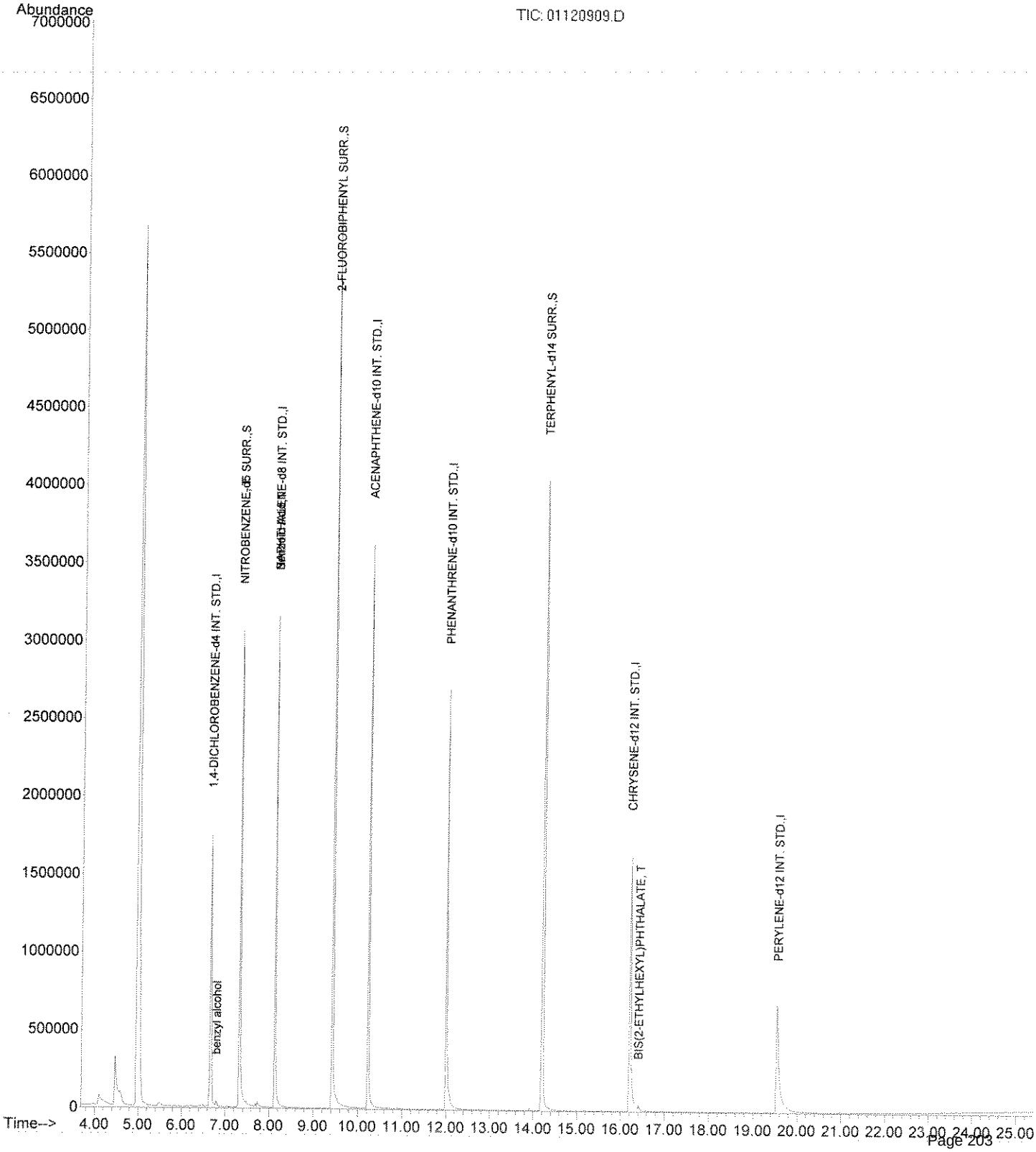
(#) = qualifier out of range (m) = manual integration (+) = signals summed

BZ111208.M Tue Jan 13 09:30:52 2009 J

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120909.D
Acq On : 12 Jan 2009 2:16 pm
Operator : J. Aquilina
Sample : bn method blank-soil
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 13 09:34:27 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration



Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120910.D
Acq On : 12 Jan 2009 2:51 pm
Operator : J. Aquilina
Sample : bn ms-soil+30+50 cc08-3
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 13 09:34:29 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.65	150	1218546	40.00 PPB		-0.06
19) NAPHTHALENE-d8 INT. STD.	8.13	136	2629566	40.00 PPB		-0.04
35) ACENAPHTHENE-d10 INT. STD.	10.23	162	1279154	40.00 PPB		-0.04
54) PHENANTHRENE-d10 INT. STD.	12.00	188	1823546	40.00 PPB		-0.04
67) CHRYSENE-d12 INT. STD.	16.22	240	1843922	40.00 PPB		-0.05
75) PERYLENE-d12 INT. STD.	19.54	264	1359988	40.00 PPB		-0.05
System Monitoring Compounds						
4) 2-FLUOROPHENOL SURR.	0.00	112	0	0.00 PPB		
5) PHENOL-d6 SURR.	6.43	99	254	0.01 PPB		0.00
20) NITROBENZENE-d5 SURR.	7.33	82	2132979	87.64 PPB		-0.04
39) 2-FLUOROBIPHENYL SURR.	9.43	172	3470021	92.53 PPB		-0.04
58) 2,4,6 TRIBROMOPHENOL SURR.	0.00	330	0	0.00 PPB		
70) TERPHENYL-d14 SURR.	14.22	244	3176032	86.24 PPB		-0.04
Target Compounds						Qvalue
2) N-NITROSODIMETHYLAMINE	3.90	74	496407	26.76 PPB		94
3) PYRIDINE	3.85	79	565660	17.04 PPB		93
6) PHENOL CCC	6.24	94	0	N.D.		
7) aniline	6.34	93	897688	46.03 PPB	#	37
8) BIS(2-CHLOROETHYL)ETHER	6.40	93	1011405	27.42 PPB		98
9) 2-CHLOROPHENOL	0.00	128	0	N.D.		
10) 1,3 DICHLOROBENZENE	6.62	146	759075	26.79 PPB		98
11) 1,4 DICHLOROBENZENE CCC	6.67	146	709475	25.61 PPB		97
12) benzyl alcohol	6.86	79	716102	31.63 PPB		98
13) 1,2-DICHLOROBENZENE	6.88	146	716516	25.53 PPB		98
14) 2-METHYLPHENOL	0.00	108	0	N.D.		
15) BIS(2-CHLOROISOPROPYL)ETHE	7.01	45	1069886	29.05 PPB	#	94
16) 4-METHYLPHENOL	7.25	107	897	N.D.		
17) N-NITROSO-DI-N-PROPYLAMINE	7.17	43	453711	27.72 PPB		92
18) HEXACHLOROETHANE	7.23	117	329203	26.48 PPB		98
21) NITROBENZENE	7.34	77	729046	26.74 PPB		95
22) ISOPHORONE	7.60	82	1684247	24.64 PPB		100
23) 2,4 DIMETHYLPHENOL	7.81	107	1275	N.D.		
24) Benzoic Acid	7.97	105	1303	N.D.		
25) 2-NITROPHENOL	7.74	139	806	N.D.		
26) BIS(2-CHLOROETHOXY)METHANE	7.85	93	1065448	28.17 PPB		96
27) 2,4 DICHLOROPHENOL CCC	0.00	162	0	N.D.		
28) 1,2,4 TRICHLOROBENZENE	8.08	180	568799	25.90 PPB		99
29) NAPHTHALENE	8.15	128	1978837	27.97 PPB		99
30) 4-CHLOROANILINE	8.25	127	877804	36.39 PPB		98
31) HEXACHLOROBUTADIENE CCC	8.36	225	281353	24.73 PPB		100
32) 4-CHLORO-3-METHYLPHENOL CC	8.75	107	179	N.D.		
33) 2-METHYLNAPHTHALENE	8.96	142	1623013	33.06 PPB		97
34) 2-NITROANILINE	9.72	138	655072	37.34 PPB		95
36) HEXACHLOROCYCLOPENTADIENE	9.23	237	162624	24.53 PPB		98
37) 2,4,6-TRICHLOROPHENOL CCC	9.38	196	178	N.D.		
38) 2,4,5 TRICHLOROPHENOL	9.38	196	178	N.D.		
40) 2-CHLORONAPHTHALENE	9.54	162	1295382	27.60 PPB		98
41) DIMETHYLPHTHALATE	9.96	163	1685196	27.55 PPB		98
42) 2,6 DINITROTOLUENE	10.05	165	365891	26.77 PPB		99
43) ACENAPHTHYLENE	10.05	152	1907828	26.61 PPB		97
44) 3-NITROANILINE	9.72	65	527353	37.39 PPB		92
45) ACENAPHTHENE CCC	10.28	153	1310676	29.30 PPB		100
46) 2,4-DINITROPHENOL SPCC	0.00	184	0	N.D.		
47) 4-NITROPHENOL SPCC	10.56	65	0	N.D.		
48) DIBENZOFURAN	10.46	168	2075311	32.43 PPB		83
49) 2,4 DINITROTOLUENE	10.52	165	567697	30.38 PPB		95
50) DIETHYLPHTHLATE	10.80	149	1749877	26.81 PPB		98
51) 4-CHLOROPHENYLPHENYL ETHER	10.87	204	496563	26.25 PPB		95

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120910.D
Acq On : 12 Jan 2009 2:51 pm
Operator : J. Aquilina
Sample : bn ms-soil+30+50 cc08-3
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 13 09:34:29 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
52) FLUORENE	10.88	166	1316938	28.12 PPB		97
53) 4-NITROANILINE	10.97	138	420687	43.42 PPB		88
55) 4,6-DINITRO-2-METHYLPHENOL	0.00	198	0	N.D.		
56) N-NITROSODIPHENYLAMINE	11.02	168	584643	23.98 PPB	#	94
57) 1,2 DIPHENYLHYDRAZINE	11.06	77	1732721	27.06 PPB		88
59) 4-BROMOPHENYLPHENYL ETHER	11.45	248	319539	27.55 PPB		93
60) HEXACHLOROBENZENE	11.64	284	332941	27.57 PPB	#	100
61) PENTACHLOROPHENOL CCC	0.00	266	0	N.D.		
62) PHENANTHRENE	12.03	178	1773899	28.82 PPB		100
63) ANTHRACENE	12.09	178	1959096	30.76 PPB		99
64) CARBAZOLE	12.28	167	1996720	29.53 PPB		97
65) DI-N-BUTYLPHTHALATE	12.76	149	3071026	27.82 PPB		99
66) FLUORANTHENE CCC	13.59	202	1811750	28.94 PPB		98
68) BENZIDINE	13.80	184	904079	No Calib		
69) PYRENE	13.93	202	1853133	27.79 PPB		99
71) BUTYLBENZYLPHTHALATE	15.13	149	1468817	28.07 PPB		98
72) BIS(2-ETHYLHEXYL)PHTHALATE	16.43	149	1944083	27.08 PPB		96
73) BENZO(A)ANTHRACENE	16.18	228	1507905	27.23 PPB		100
74) CHRYSENE	16.28	228	1516907	27.79 PPB		100
76) 3,3'-DICHLOROBENZIDINE	16.18	252	640902	No Calib	#	
77) DI-N-OCTYL PHTHALATE CCC	17.87	149	3400293	23.88 PPB		99
78) BENZO(B)FLOURANTHENE	18.66	252	1423882	26.78 PPB		94
79) BENZO(K)FLUORANTHENE	18.73	252	1361417m	26.27 PPB		
80) BENZO(A)PYRENE CCC	19.41	252	1278533	28.28 PPB		93
81) DIBENZO(A,H)ANTHRACENE	22.02	278	948588m	27.50 PPB		
82) INDENO(1,2,3-CD)PYRENE	21.99	276	1082469	27.26 PPB		96
83) BENZO(G,H,I)PERYLENE	22.53	276	1025623m	28.14 PPB		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (No Status)

Data Path : C:\MSDChem\1\DATA\jan09\011209bz\
Data File : 01120910.D
Acq On : 12 Jan 2009 2:51 pm
Operator : J. Aquilina
Sample : bn ms-soil+30+50 cc08-3
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 13 09:30:59 2009
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.65	150	1182107	40.00	PPB	-0.09
2) NAPHTHALENE-d8 INT. STD.	8.13	136	2629566	40.00	PPB	-0.08
4) ACENAPHTHENE-d10 INT. STD.	10.23	162	1279154	40.00	PPB	-0.08
6) PHENANTHRENE-d10 INT. STD.	12.00	188	1823546	40.00	PPB	-0.07
7) CHRYSENE-d12 INT. STD.	16.22	240	1843139	40.00	PPB	-0.09
10) PERYLENE-d12 INT. STD.	19.54	264	1377893	40.00	PPB	-0.10
System Monitoring Compounds						
3) NITROBENZENE-d5 SURR.	7.33	82	2130729	94.62	PPB	-0.08
5) 2-FLUOROBIPHENYL SURR.	9.43	172	3470021	92.60	PPB	-0.09
9) TERPHENYL-d14 SURR.	14.22	244	3176032	82.38	PPB	-0.09
Target Compounds						Qvalue
8) BENZIDINE	13.80	184	904079	24.69	PPB	95
11) 3,3'-DICHLOROBENZIDINE	16.18	252	640902	30.58	PPB	97

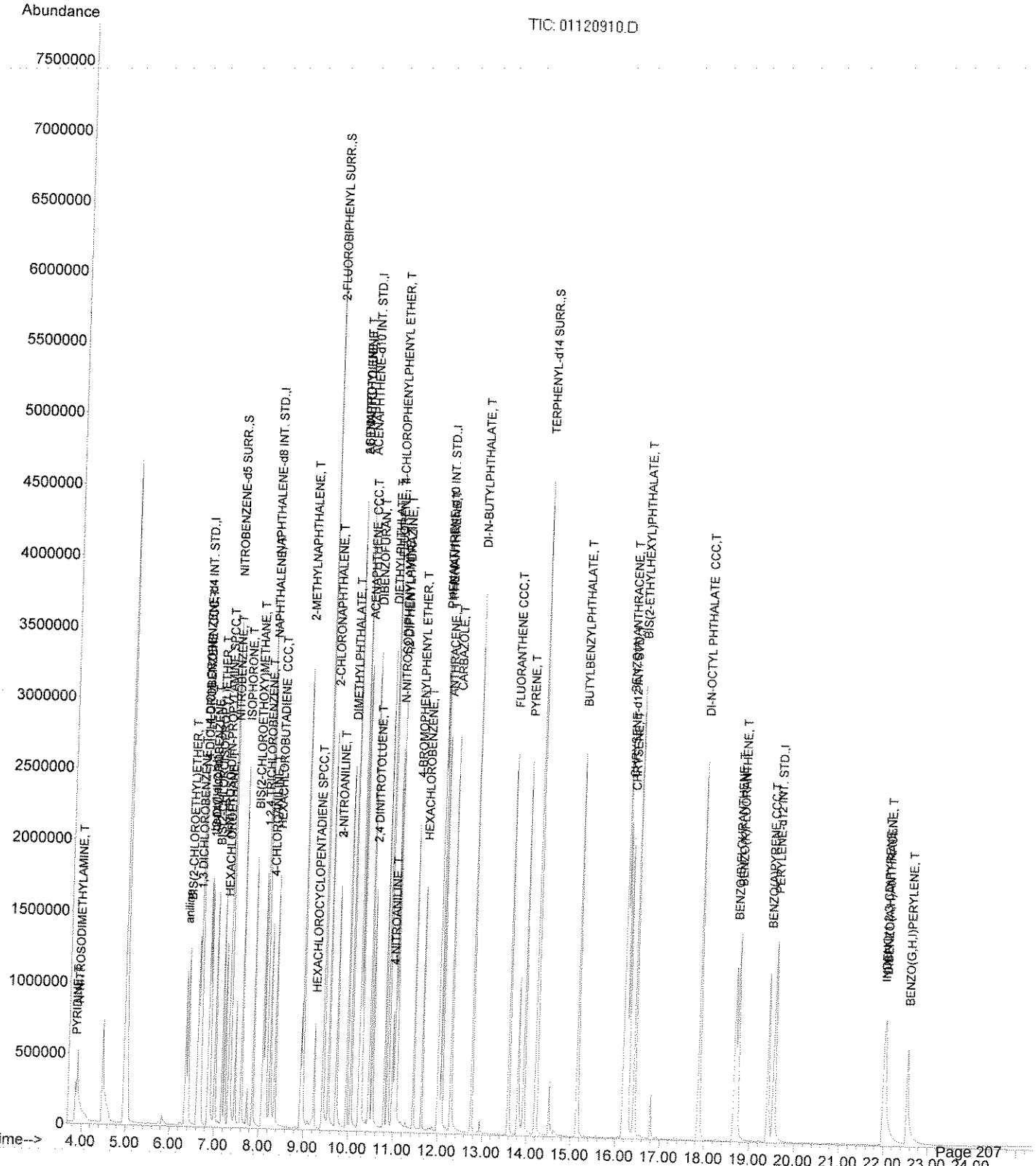
(#) = qualifier out of range (m) = manual integration (+) = signals summed

BZ111208.M Tue Jan 13 09:31:01 2009 J

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120910.D
Acq On : 12 Jan 2009 2:51 pm
Operator : J. Aquilina
Sample : bn ms-soil+30+50 cc08-3
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 13 09:34:29 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration



33120108.M Tue Jan 13 09:34:29 2009 J

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120911.D
Acq On : 12 Jan 2009 3:26 pm
Operator : J. Aquilina
Sample : bn msd-soil+30+50 cc08-3
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 13 09:34:31 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.65	150	1181438	40.00 PPB		-0.05
19) NAPHTHALENE-d8 INT. STD.	8.13	136	2614422	40.00 PPB		-0.04
35) ACENAPHTHENE-d10 INT. STD.	10.24	162	1271392	40.00 PPB		-0.04
54) PHENANTHRENE-d10 INT. STD.	12.00	188	1834272	40.00 PPB		-0.03
67) CHRYSENE-d12 INT. STD.	16.23	240	1855032	40.00 PPB		-0.05
75) PERYLENE-d12 INT. STD.	19.54	264	1367468	40.00 PPB		-0.05
System Monitoring Compounds						
4) 2-FLUOROPHENOL SURR.	5.51	112	200	0.01 PPB		0.07
5) PHENOL-d6 SURR.	6.43	99	504	0.02 PPB		0.00
20) NITROBENZENE-d5 SURR.	7.32	82	2014834	83.27 PPB		-0.04
39) 2-FLUOROBIPHENYL SURR.	9.42	172	3304259	88.64 PPB		-0.05
58) 2,4,6 TRIBROMOPHENOL SURR.	0.00	330	0	0.00 PPB		
70) TERPHENYL-d14 SURR.	14.21	244	3217263	86.84 PPB		-0.05
Target Compounds						Qvalue
2) N-NITROSODIMETHYLAMINE	3.90	74	446030	24.80 PPB		96
3) PYRIDINE	3.86	79	493865	15.34 PPB		94
6) PHENOL CCC	6.26	94	0	N.D.		
7) aniline	6.34	93	856481	45.30 PPB	#	37
8) BIS(2-CHLOROETHYL)ETHER	6.40	93	880897	24.63 PPB		98
9) 2-CHLOROPHENOL	0.00	128	0	N.D.		
10) 1,3 DICHLOROBENZENE	6.62	146	702178	25.56 PPB		97
11) 1,4 DICHLOROBENZENE CCC	6.67	146	642617	23.93 PPB		97
12) benzyl alcohol	6.85	79	686550	31.28 PPB		99
13) 1,2-DICHLOROBENZENE	6.88	146	654225	24.05 PPB		98
14) 2-METHYLPHENOL	0.00	108	0	N.D.		
15) BIS(2-CHLOROISOPROPYL)ETHE	7.00	45	1033357	28.94 PPB	#	95
16) 4-METHYLPHENOL	7.21	107	915	N.D.		
17) N-NITROSO-DI-N-PROPYLAMINE	7.17	43	424169	26.73 PPB		93
18) HEXACHLOROETHANE	7.23	117	312342	25.91 PPB		96
21) NITROBENZENE	7.34	77	691568	25.52 PPB		94
22) ISOPHORONE	7.60	82	1605095	23.62 PPB		100
23) 2,4 DIMETHYLPHENOL	7.77	107	875	N.D.		
24) Benzoic Acid	7.97	105	1146	N.D.		
25) 2-NITROPHENOL	7.75	139	171	N.D.		
26) BIS(2-CHLOROETHOXY)METHANE	7.86	93	983299	26.14 PPB		96
27) 2,4 DICHLOROPHENOL CCC	0.00	162	0	N.D.		
28) 1,2,4 TRICHLOROBENZENE	8.08	180	532856	24.40 PPB		99
29) NAPHTHALENE	8.15	128	1859552	26.43 PPB		98
30) 4-CHLOROANILINE	8.24	127	839882	35.02 PPB		97
31) HEXACHLOROBUTADIENE CCC	8.36	225	267717	23.67 PPB		99
32) 4-CHLORO-3-METHYLPHENOL CC	8.75	107	245	N.D.		
33) 2-METHYLNAPHTHALENE	8.96	142	1511612	30.97 PPB		97
34) 2-NITROANILINE	9.72	138	601311	34.47 PPB		95
36) HEXACHLOROCYCLOPENTADIENE	9.23	237	157143	23.84 PPB		99
37) 2,4,6-TRICHLOROPHENOL CCC	0.00	196	0	N.D.		
38) 2,4,5 TRICHLOROPHENOL	0.00	196	0	N.D.		
40) 2-CHLORONAPHTHALENE	9.55	162	1208680	25.91 PPB		98
41) DIMETHYLPHTHALATE	9.95	163	1550369	25.50 PPB		98
42) 2,6 DINITROTOLUENE	10.04	165	350047	25.77 PPB		99
43) ACENAPHTHYLENE	10.05	152	1842268	25.85 PPB		98
44) 3-NITROANILINE	9.72	65	485433	34.63 PPB		93
45) ACENAPHTHENE CCC	10.27	153	1193841	26.85 PPB		100
46) 2,4-DINITROPHENOL SPCC	0.00	184	0	N.D.		
47) 4-NITROPHENOL SPCC	10.58	65	1534m	0.19 PPB		
48) DIBENZOFURAN	10.45	168	1958068	30.78 PPB		83
49) 2,4 DINITROTOLUENE	10.52	165	525874	28.31 PPB		96
50) DIETHYLPHTHLATE	10.80	149	1678888	25.88 PPB		98
51) 4-CHLOROPHENYLPHENYL ETHER	10.87	204	487622	25.93 PPB		93

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120911.D
Acq On : 12 Jan 2009 3:26 pm
Operator : J. Aquilina
Sample : bn msd-soil+30+50 cc08-3
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 13 09:34:31 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
52) FLUORENE	10.88	166	1255946	26.98 PPB		97
53) 4-NITROANILINE	10.97	138	405455	42.10 PPB	#	87
55) 4,6-DINITRO-2-METHYLPHENOL	0.00	198	0	N.D.		
56) N-NITROSODIPHENYLAMINE	11.02	168	563321	22.97 PPB	#	95
57) 1,2 DIPHENYLHYDRAZINE	11.06	77	1655750	25.71 PPB		88
59) 4-BROMOPHENYLPHENYL ETHER	11.45	248	307873	26.38 PPB		94
60) HEXACHLOROBENZENE	11.63	284	322166	26.52 PPB	#	99
61) PENTACHLOROPHENOL CCC	0.00	266	0	N.D.		
62) PHENANTHRENE	12.03	178	1692594	27.34 PPB		99
63) ANTHRACENE	12.08	178	1859472	29.02 PPB		99
64) CARBAZOLE	12.29	167	1924729	28.30 PPB		97
65) DI-N-BUTYLPHTHALATE	12.76	149	3078867	27.73 PPB		99
66) FLUORANTHENE CCC	13.59	202	1761807	27.98 PPB		97
68) BENZIDINE	13.80	184	982843	No Calib		
69) PYRENE	13.93	202	1804323	26.90 PPB		99
71) BUTYLBENZYLPHTHALATE	15.14	149	1415492	26.89 PPB		98
72) BIS(2-ETHYLHEXYL)PHTHALATE	16.43	149	1858782	25.74 PPB		96
73) BENZO(A)ANTHRACENE	16.17	228	1467679	26.35 PPB		99
74) CHRYSENE	16.28	228	1472263	26.81 PPB		100
76) 3,3'-DICHLOROBENZIDINE	16.18	252	647062	No Calib	#	
77) DI-N-OCTYL PHTHALATE CCC	17.86	149	3250089	22.70 PPB		99
78) BENZO(B)FLOURANTHENE	18.66	252	1333066	24.94 PPB		93
79) BENZO(K)FLUORANTHENE	18.72	252	1376986m	26.43 PPB		
80) BENZO(A)PYRENE CCC	19.39	252	1232210	27.11 PPB		92
81) DIBENZO(A,H)ANTHRACENE	22.02	278	918900m	26.49 PPB		
82) INDENO(1,2,3-CD)PYRENE	21.98	276	1068084m	26.76 PPB		
83) BENZO(G,H,I)PERYLENE	22.53	276	965047m	26.33 PPB		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (No Status)

Data Path : C:\MSDChem\1\DATA\jan09\011209bz\
Data File : 01120911.D
Acq On : 12 Jan 2009 3:26 pm
Operator : J. Aquilina
Sample : bn msd-soil+30+50 cc08-3
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 13 09:31:07 2009
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.65	150	1145767	40.00	PPB	-0.09
2) NAPHTHALENE-d8 INT. STD.	8.13	136	2614422	40.00	PPB	-0.08
4) ACENAPHTHENE-d10 INT. STD.	10.24	162	1266926	40.00	PPB	-0.07
6) PHENANTHRENE-d10 INT. STD.	12.00	188	1834272	40.00	PPB	-0.07
7) CHRYSENE-d12 INT. STD.	16.23	240	1855032	40.00	PPB	-0.09
10) PERYLENE-d12 INT. STD.	19.54	264	1385794	40.00	PPB	-0.10
System Monitoring Compounds						
3) NITROBENZENE-d5 SURR.	7.32	82	2022321	90.32	PPB	-0.09
5) 2-FLUOROBIPHENYL SURR.	9.42	172	3307694	89.12	PPB	-0.09
9) TERPHENYL-d14 SURR.	14.21	244	3217263	82.91	PPB	-0.10
Target Compounds						Qvalue
8) BENZIDINE	13.80	184	982843	26.67	PPB	94
11) 3,3'-DICHLOROBENZIDINE	16.18	252	647062	30.70	PPB	98

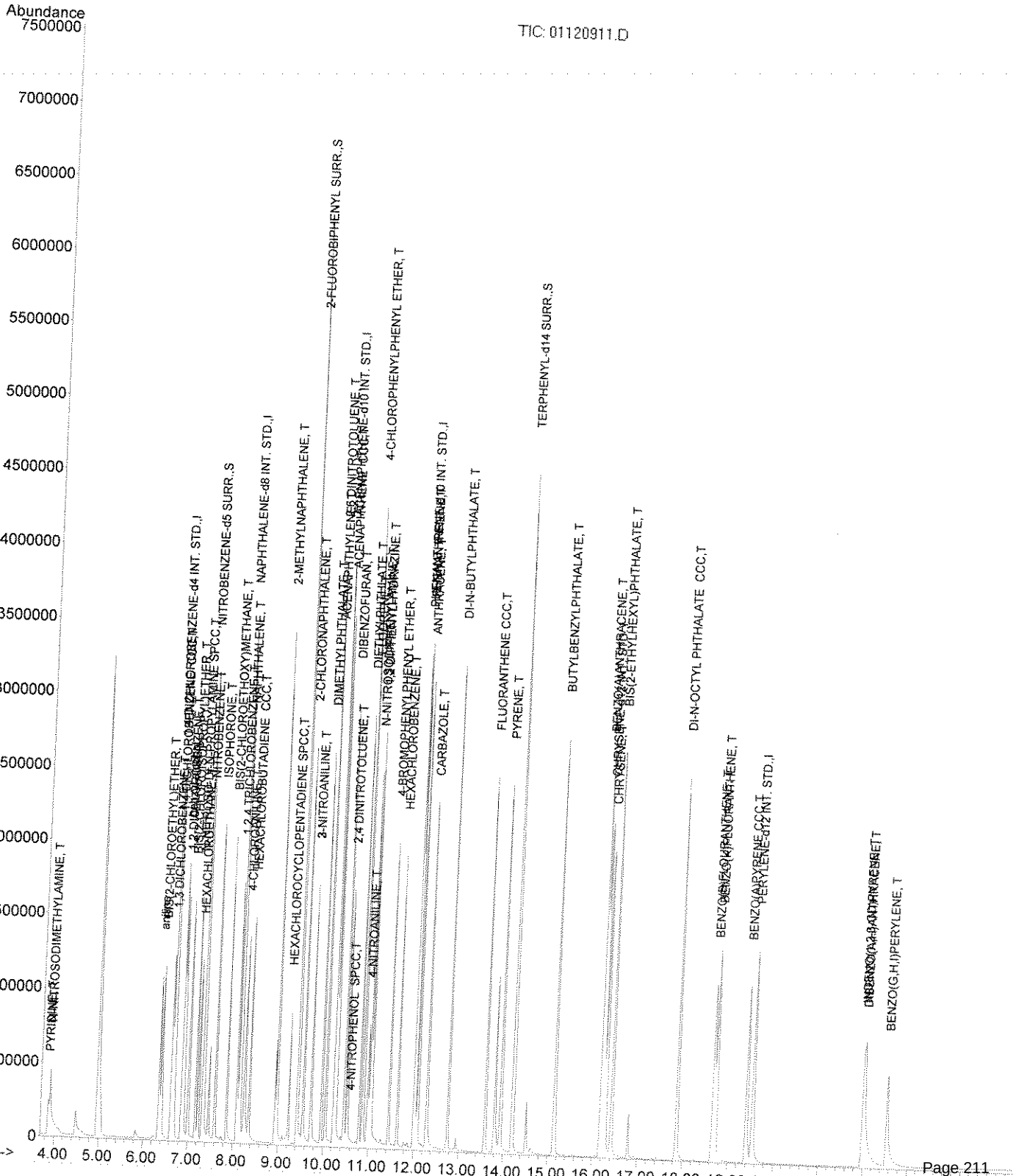
(#) = qualifier out of range (m) = manual integration (+) = signals summed

BZ111208.M Tue Jan 13 09:31:09 2009 J

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120911.D
Acq On : 12 Jan 2009 3:26 pm
Operator : J. Aquilina
Sample : bn msd-soil+30+50 cc08-3
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 13 09:34:31 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration



3120108.M Tue Jan 13 09:34:31 2009 J

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120912.D
Acq On : 12 Jan 2009 4:01 pm
Operator : J. Aquilina
Sample : bn lcs-soil+30+50 cc08-3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 13 09:34:33 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.65	150	1134037	40.00 PPB	-0.06
19) NAPHTHALENE-d8 INT. STD.	8.13	136	2525967	40.00 PPB	-0.05
35) ACENAPHTHENE-d10 INT. STD.	10.23	162	1222890	40.00 PPB	-0.04
54) PHENANTHRENE-d10 INT. STD.	11.99	188	1814580	40.00 PPB	-0.04
67) CHRYSENE-d12 INT. STD.	16.23	240	1823698	40.00 PPB	-0.05
75) PERYLENE-d12 INT. STD.	19.53	264	1330613	40.00 PPB	-0.06
System Monitoring Compounds					
4) 2-FLUOROPHENOL SURR.	0.00	112	0	0.00 PPB	
5) PHENOL-d6 SURR.	6.43	99	254	0.01 PPB	0.00
20) NITROBENZENE-d5 SURR.	7.32	82	1946884	83.28 PPB	-0.05
39) 2-FLUOROBIPHENYL SURR.	9.42	172	3182137	88.75 PPB	-0.05
58) 2,4,6 TRIBROMOPHENOL SURR.	0.00	330	0	0.00 PPB	
70) TERPHENYL-d14 SURR.	14.21	244	2925114	80.31 PPB	-0.05
Target Compounds					Qvalue
2) N-NITROSODIMETHYLAMINE	3.89	74	434944	25.20 PPB	95
3) PYRIDINE	3.85	79	497054	16.09 PPB	93
6) PHENOL CCC	6.29	94	0	N.D.	
7) aniline	6.35	93	876981	48.32 PPB #	38
8) BIS(2-CHLOROETHYL)ETHER	6.39	93	891988	25.99 PPB	99
9) 2-CHLOROPHENOL	0.00	128	0	N.D.	
10) 1,3 DICHLOROBENZENE	6.61	146	668243	25.34 PPB	97
11) 1,4 DICHLOROBENZENE CCC	6.67	146	637880	24.74 PPB	98
12) benzyl alcohol	6.85	79	638153	30.29 PPB	97
13) 1,2-DICHLOROBENZENE	6.88	146	636012	24.35 PPB	97
14) 2-METHYLPHENOL	0.00	108	0	N.D.	
15) BIS(2-CHLOROISOPROPYL)ETHE	7.00	45	963032	28.10 PPB #	94
16) 4-METHYLPHENOL	7.18	107	1665	N.D.	
17) N-NITROSO-DI-N-PROPYLAMINE	7.17	43	403949	26.52 PPB	91
18) HEXACHLOROETHANE	7.23	117	290245	25.08 PPB	98
21) NITROBENZENE	7.34	77	648441	24.76 PPB	94
22) ISOPHORONE	7.60	82	1480887	22.56 PPB	100
23) 2,4 DIMETHYLPHENOL	7.85	107	1676	N.D.	
24) Benzoic Acid	7.97	105	723	N.D.	
25) 2-NITROPHENOL	7.74	139	425	N.D.	
26) BIS(2-CHLOROETHOXY)METHANE	7.85	93	957246	26.34 PPB	96
27) 2,4 DICHLOROPHENOL CCC	0.00	162	0	N.D.	
28) 1,2,4 TRICHLOROBENZENE	8.07	180	510223	24.19 PPB	99
29) NAPHTHALENE	8.15	128	1791959	26.37 PPB	98
30) 4-CHLOROANILINE	8.24	127	857979	37.02 PPB	97
31) HEXACHLOROBUTADIENE CCC	8.36	225	257344	23.55 PPB	99
32) 4-CHLORO-3-METHYLPHENOL CC	8.80	107	191	N.D.	
33) 2-METHYLNAPHTHALENE	8.96	142	1448114	30.71 PPB	97
34) 2-NITROANILINE	9.72	138	564355	33.49 PPB	95
36) HEXACHLOROCYCLOPENTADIENE	9.23	237	146694	23.14 PPB	99
37) 2,4,6-TRICHLOROPHENOL CCC	0.00	196	0	N.D.	
38) 2,4,5 TRICHLOROPHENOL	0.00	196	0	N.D.	
40) 2-CHLORONAPHTHALENE	9.55	162	1144272	25.50 PPB	98
41) DIMETHYLPHTHALATE	9.95	163	1528031	26.13 PPB	98
42) 2,6 DINITROTOLUENE	10.04	165	327838	25.09 PPB	99
43) ACENAPHTHYLENE	10.05	152	1782423	26.00 PPB	97
44) 3-NITROANILINE	9.72	65	460692	34.17 PPB	95
45) ACENAPHTHENE CCC	10.27	153	1158664	27.09 PPB	100
46) 2,4-DINITROPHENOL SPCC	0.00	184	0	N.D.	
47) 4-NITROPHENOL SPCC	10.60	65	0	N.D.	
48) DIBENZOFURAN	10.46	168	1884626	30.80 PPB	82
49) 2,4 DINITROTOLUENE	10.52	165	506182	28.33 PPB	96
50) DIETHYLPHTHLATE	10.80	149	1575711	25.26 PPB	98
51) 4-CHLOROPHENYLPHENYL ETHER	10.87	204	456406	25.24 PPB	94

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120912.D
Acq On : 12 Jan 2009 4:01 pm
Operator : J. Aquilina
Sample : bn lcs-soil+30+50 cc08-3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 13 09:34:33 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
52) FLUORENE	10.88	166	1184603	26.46 PPB		98
53) 4-NITROANILINE	10.97	138	374967	40.48 PPB	#	87
55) 4,6-DINITRO-2-METHYLPHENOL	0.00	198	0	N.D.		
56) N-NITROSODIPHENYLAMINE	11.02	168	533568	22.00 PPB	#	94
57) 1,2 DIPHENYLHYDRAZINE	11.06	77	1580037	24.80 PPB		89
59) 4-BROMOPHENYLPHENYL ETHER	11.45	248	290886	25.20 PPB		93
60) HEXACHLOROBENZENE	11.63	284	309061	25.71 PPB	#	100
61) PENTACHLOROPHENOL CCC	0.00	266	0	N.D.		
62) PHENANTHRENE	12.03	178	1623221	26.50 PPB		99
63) ANTHRACENE	12.08	178	1771941	27.96 PPB		99
64) CARBAZOLE	12.28	167	1853715	27.55 PPB		96
65) DI-N-BUTYLPHTHALATE	12.75	149	2916300	26.55 PPB		99
66) FLUORANTHENE CCC	13.58	202	1662697	26.69 PPB		97
68) BENZIDINE	13.79	184	1004963	No Calib		
69) PYRENE	13.93	202	1729456	26.22 PPB		99
71) BUTYLBENZYLPHTHALATE	15.14	149	1339291	25.88 PPB		98
72) BIS(2-ETHYLHEXYL)PHTHALATE	16.42	149	1765088	24.86 PPB		96
73) BENZO(A)ANTHRACENE	16.17	228	1356636	24.77 PPB		99
74) CHRYSENE	16.27	228	1400061	25.94 PPB		100
76) 3,3'-DICHLOROBENZIDINE	16.18	252	645521	No Calib	#	
77) DI-N-OCTYL PHTHALATE CCC	17.86	149	3125958	22.44 PPB		99
78) BENZO(B)FLOURANTHENE	18.66	252	1337861m	25.72 PPB		
79) BENZO(K)FLUORANTHENE	18.71	252	1343575m	26.50 PPB		
80) BENZO(A)PYRENE CCC	19.40	252	1155454	26.12 PPB		92
81) DIBENZO(A,H)ANTHRACENE	22.01	278	858034m	25.42 PPB		
82) INDENO(1,2,3-CD)PYRENE	21.98	276	1026800m	26.43 PPB		
83) BENZO(G,H,I)PERYLENE	22.52	276	923034m	25.88 PPB		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (No Status)

Data Path : C:\MSDChem\1\DATA\jan09\011209bz\
Data File : 01120912.D
Acq On : 12 Jan 2009 4:01 pm
Operator : J. Aquilina
Sample : bn lcs-soil+30+50 cc08-3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 13 09:31:14 2009
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.65	150	1066276	40.00	PPB	-0.09
2) NAPHTHALENE-d8 INT. STD.	8.13	136	2525967	40.00	PPB	-0.08
4) ACENAPHTHENE-d10 INT. STD.	10.23	162	1222890	40.00	PPB	-0.08
6) PHENANTHRENE-d10 INT. STD.	11.99	188	1814580	40.00	PPB	-0.08
7) CHRYSENE-d12 INT. STD.	16.23	240	1823698	40.00	PPB	-0.09
10) PERYLENE-d12 INT. STD.	19.53	264	1341310	40.00	PPB	-0.11
System Monitoring Compounds						
3) NITROBENZENE-d5 SURR.	7.32	82	1954208	90.34	PPB	-0.09
5) 2-FLUOROBIPHENYL SURR.	9.42	172	3182137	88.82	PPB	-0.09
9) TERPHENYL-d14 SURR.	14.21	244	2925114	76.68	PPB	-0.09
Target Compounds						Qvalue
8) BENZIDINE	13.79	184	1004963	27.74	PPB	95
11) 3,3'-DICHLOROBENZIDINE	16.18	252	645521	31.64	PPB	98

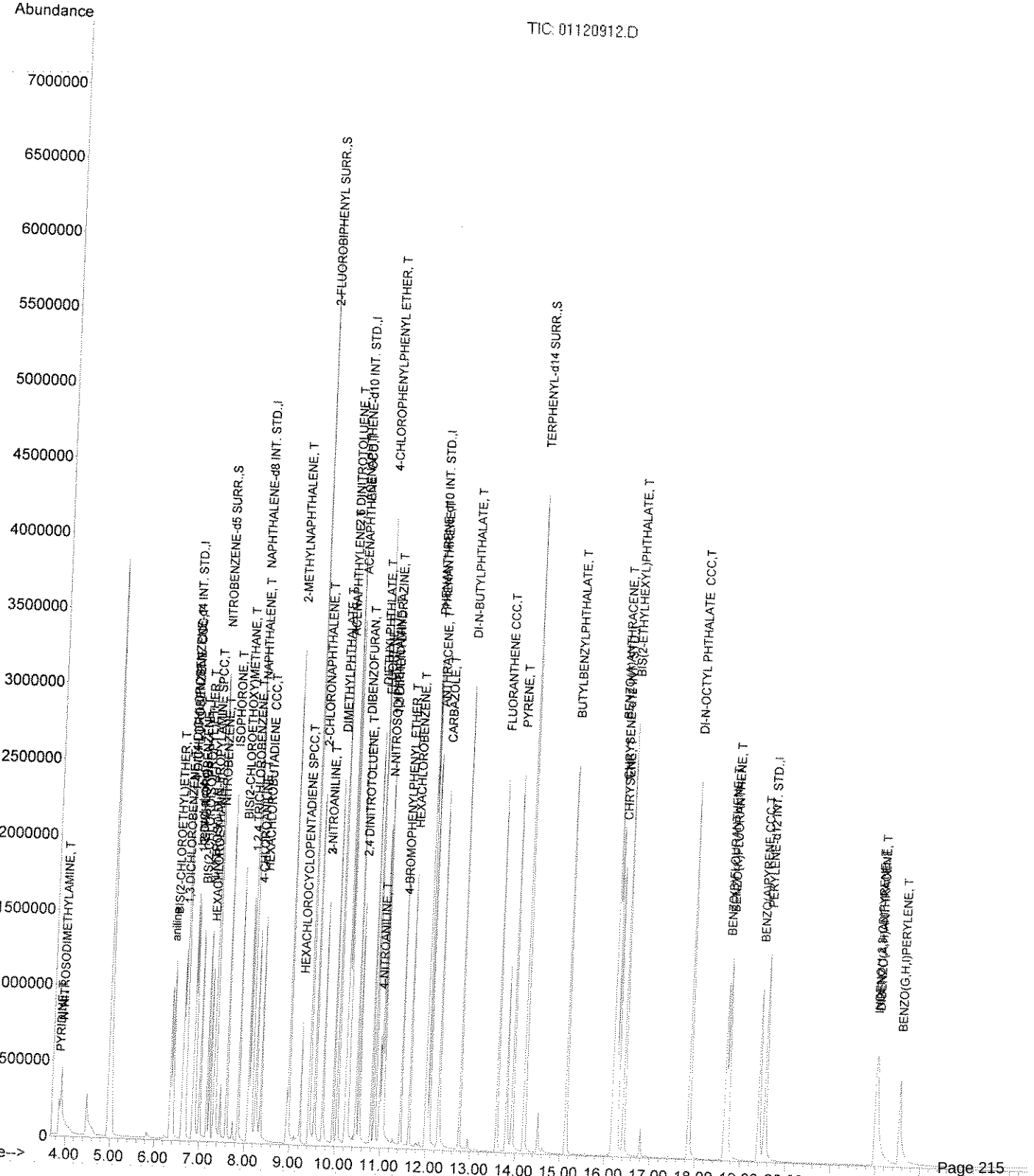
(#) = qualifier out of range (m) = manual integration (+) = signals summed

BZ111208.M Tue Jan 13 09:31:17 2009 J

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120912.D
Acq On : 12 Jan 2009 4:01 pm
Operator : J. Aquilina
Sample : bn lcs-soil+30+50 cc08-3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 13 09:34:33 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration



3120108.M Tue Jan 13 09:34:33 2009 J

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120913.D
Acq On : 12 Jan 2009 4:36 pm
Operator : J. Aquilina
Sample : bn smp 082.01*30 33g tcl
Misc : 1/9/09
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 13 09:34:35 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration

all <

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.65	150	1062328	40.00	PPB		-0.06
19) NAPHTHALENE-d8 INT. STD.	8.12	136	2623524	40.00	PPB		-0.05
35) ACENAPHTHENE-d10 INT. STD.	10.23	162	1272357	40.00	PPB		-0.04
54) PHENANTHRENE-d10 INT. STD.	11.99	188	1851999	40.00	PPB		-0.04
67) CHRYSENE-d12 INT. STD.	16.21	240	1749555	40.00	PPB		-0.07
75) PERYLENE-d12 INT. STD.	19.54	264	1189549	40.00	PPB		-0.06
System Monitoring Compounds							
4) 2-FLUOROPHENOL SURR.	0.00	112	0	0.00	PPB		
5) PHENOL-d6 SURR.	6.49	99	537	0.02	PPB		0.06
20) NITROBENZENE-d5 SURR.	7.32	82	1707136	70.31	PPB		-0.04
39) 2-FLUOROBIPHENYL SURR.	9.42	172	2984140	80.00	PPB		-0.05
58) 2,4,6 TRIBROMOPHENOL SURR.	0.00	330	0	0.00	PPB		
70) TERPHENYL-d14 SURR.	14.21	244	2654350	75.97	PPB		-0.05
Target Compounds							Qvalue
2) N-NITROSODIMETHYLAMINE	3.95	74	5099	0.32	PPB	#	77
3) PYRIDINE	3.94	79	13420	0.46	PPB		95
6) PHENOL CCC	6.37	94	181	N.D.			
7) aniline	6.41	93	15816	0.93	PPB	#	6
8) BIS(2-CHLOROETHYL)ETHER	6.41	93	15816	0.49	PPB	#	71
9) 2-CHLOROPHENOL	0.00	128	0	N.D.			
10) 1,3 DICHLOROBENZENE	6.62	146	10137	0.41	PPB	#	67
11) 1,4 DICHLOROBENZENE CCC	6.67	146	10592	0.44	PPB	#	23
12) benzyl alcohol	6.93	79	2256	0.11	PPB	#	94
13) 1,2-DICHLOROBENZENE	6.89	146	9242	0.38	PPB		96
14) 2-METHYLPHENOL	7.09	108	801	N.D.			
15) BIS(2-CHLOROISOPROPYL)ETHE	7.01	45	11256	0.35	PPB	#	92
16) 4-METHYLPHENOL	0.00	107	0	N.D.			
17) N-NITROSO-DI-N-PROPYLAMINE	7.17	43	4705	0.33	PPB	#	77
18) HEXACHLOROETHANE	7.23	117	3735	0.34	PPB	#	85
21) NITROBENZENE	7.34	77	15348	0.56	PPB	#	68
22) ISOPHORONE	7.62	82	17022	0.25	PPB	#	90
23) 2,4 DIMETHYLPHENOL	0.00	107	0	N.D.			
24) Benzoic Acid	8.12	105	3956	0.21	PPB	#	1
25) 2-NITROPHENOL	0.00	139	0	N.D.			
26) BIS(2-CHLOROETHOXY)METHANE	7.88	93	7437	0.20	PPB		92
27) 2,4 DICHLOROPHENOL CCC	0.00	162	0	N.D.			
28) 1,2,4 TRICHLOROBENZENE	8.09	180	5165	0.24	PPB		95
29) NAPHTHALENE	8.14	128	27558	0.39	PPB	#	60
30) 4-CHLOROANILINE	8.14	127	3469	0.14	PPB	#	27
31) HEXACHLOROBUTADIENE CCC	8.35	225	2894	0.25	PPB		91
32) 4-CHLORO-3-METHYLPHENOL CC	0.00	107	0	N.D.			
33) 2-METHYLNAPHTHALENE	8.98	142	14270	0.29	PPB		93
34) 2-NITROANILINE	0.00	138	0	N.D.			
36) HEXACHLOROCYCLOPENTADIENE	0.00	237	0	N.D.			
37) 2,4,6-TRICHLOROPHENOL CCC	0.00	196	0	N.D.			
38) 2,4,5 TRICHLOROPHENOL	0.00	196	0	N.D.			
40) 2-CHLORONAPHTHALENE	9.57	162	7498	0.16	PPB		82
41) DIMETHYLPHTHALATE	9.98	163	2586	N.D.			
42) 2,6 DINITROTOLUENE	10.03	165	218	N.D.			
43) ACENAPHTHYLENE	10.06	152	18757	0.26	PPB		85
44) 3-NITROANILINE	9.63	65	542	N.D.			
45) ACENAPHTHENE CCC	10.27	153	6170	0.14	PPB		93
46) 2,4-DINITROPHENOL SPCC	0.00	184	0	N.D.			
47) 4-NITROPHENOL SPCC	10.63	65	178	N.D.			
48) DIBENZOFURAN	10.49	168	11681	0.18	PPB		80
49) 2,4 DINITROTOLUENE	10.45	165	172	N.D.			
50) DIETHYLPHTHLATE	10.79	149	8264	0.13	PPB		88
51) 4-CHLOROPHENYLPHENYL ETHER	10.88	204	1389	N.D.			

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120913.D
Acq On : 12 Jan 2009 4:36 pm
Operator : J. Aquilina
Sample : bn smp 082.01*30 33g tcl
Misc : 1/9/09
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 13 09:34:35 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
52) FLUORENE	10.90	166	5952	0.13 PPB		97
53) 4-NITROANILINE	0.00	138	0	N.D.		
55) 4,6-DINITRO-2-METHYLPHENOL	0.00	198	0	N.D.		
56) N-NITROSODIPHENYLAMINE	11.05	168	1109	N.D.		
57) 1,2 DIPHENYLHYDRAZINE	11.08	77	7268	0.11 PPB		83
59) 4-BROMOPHENYLPHENYL ETHER	11.46	248	487	N.D.		
60) HEXACHLOROBENZENE	11.64	284	521	N.D.		
61) PENTACHLOROPHENOL CCC	0.00	266	0	N.D.		
62) PHENANTHRENE	12.02	178	45265	0.72 PPB		93
63) ANTHRACENE	12.09	178	9735	0.15 PPB		92
64) CARBAZOLE	12.32	167	5804	N.D.		
65) DI-N-BUTYLPHTHALATE	12.75	149	46436	0.41 PPB	#	92
66) FLUORANTHENE CCC	13.59	202	54570	0.86 PPB		97
68) BENZIDINE	13.43	184	240	No Calib	#	
69) PYRENE	13.94	202	44841	0.71 PPB		98
71) BUTYLBENZYLPHTHALATE	15.12	149	6039	0.12 PPB		83
72) BIS(2-ETHYLHEXYL)PHTHALATE	16.41	149	36082	0.53 PPB		91
73) BENZO(A)ANTHRACENE	16.17	228	22775	0.43 PPB		92
74) CHRYSENE	16.26	228	28957	0.56 PPB		99
76) 3,3'-DICHLOROBENZIDINE	0.00	252	0	N.D.		
77) DI-N-OCTYL PHTHALATE CCC	17.84	149	4949	N.D.		
78) BENZO(B)FLOURANTHENE	18.69	252	32414	0.70 PPB		80
79) BENZO(K)FLUORANTHENE	18.74	252	32327	0.71 PPB	#	55
80) BENZO(A)PYRENE CCC	19.43	252	8994	0.23 PPB		68
81) DIBENZO(A,H)ANTHRACENE	0.00	278	0	N.D.		
82) INDENO(1,2,3-CD)PYRENE	0.00	276	0	N.D.		
83) BENZO(G,H,I)PERYLENE	22.30	276	3031	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (No Status)

Data Path : C:\MSDChem\1\DATA\jan09\011209bz\
Data File : 01120913.D
Acq On : 12 Jan 2009 4:36 pm
Operator : J. Aquilina
Sample : bn smp 082.01*30 33g tcl
Misc : 1/9/09
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 13 09:31:23 2009
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.65	150	1061467	40.00	PPB	-0.09
2) NAPHTHALENE-d8 INT. STD.	8.12	136	2615612	40.00	PPB	-0.09
4) ACENAPHTHENE-d10 INT. STD.	10.23	162	1268563	40.00	PPB	-0.08
6) PHENANTHRENE-d10 INT. STD.	11.99	188	1850820	40.00	PPB	-0.08
7) CHRYSENE-d12 INT. STD.	16.21	240	1749555	40.00	PPB	-0.11
10) PERYLENE-d12 INT. STD.	19.54	264	1264415	40.00	PPB	-0.11
System Monitoring Compounds						
3) NITROBENZENE-d5 SURR.	7.32	82	1714430	76.54	PPB	-0.09
5) 2-FLUOROBIPHENYL SURR.	9.42	172	2994323	80.57	PPB	-0.09
9) TERPHENYL-d14 SURR.	14.21	244	2654350	72.53	PPB	-0.09
Target Compounds						Qvalue
8) BENZIDINE	13.80	184	1665	N.D.		
11) 3,3'-DICHLOROBENZIDINE	0.00	252	0	N.D.		

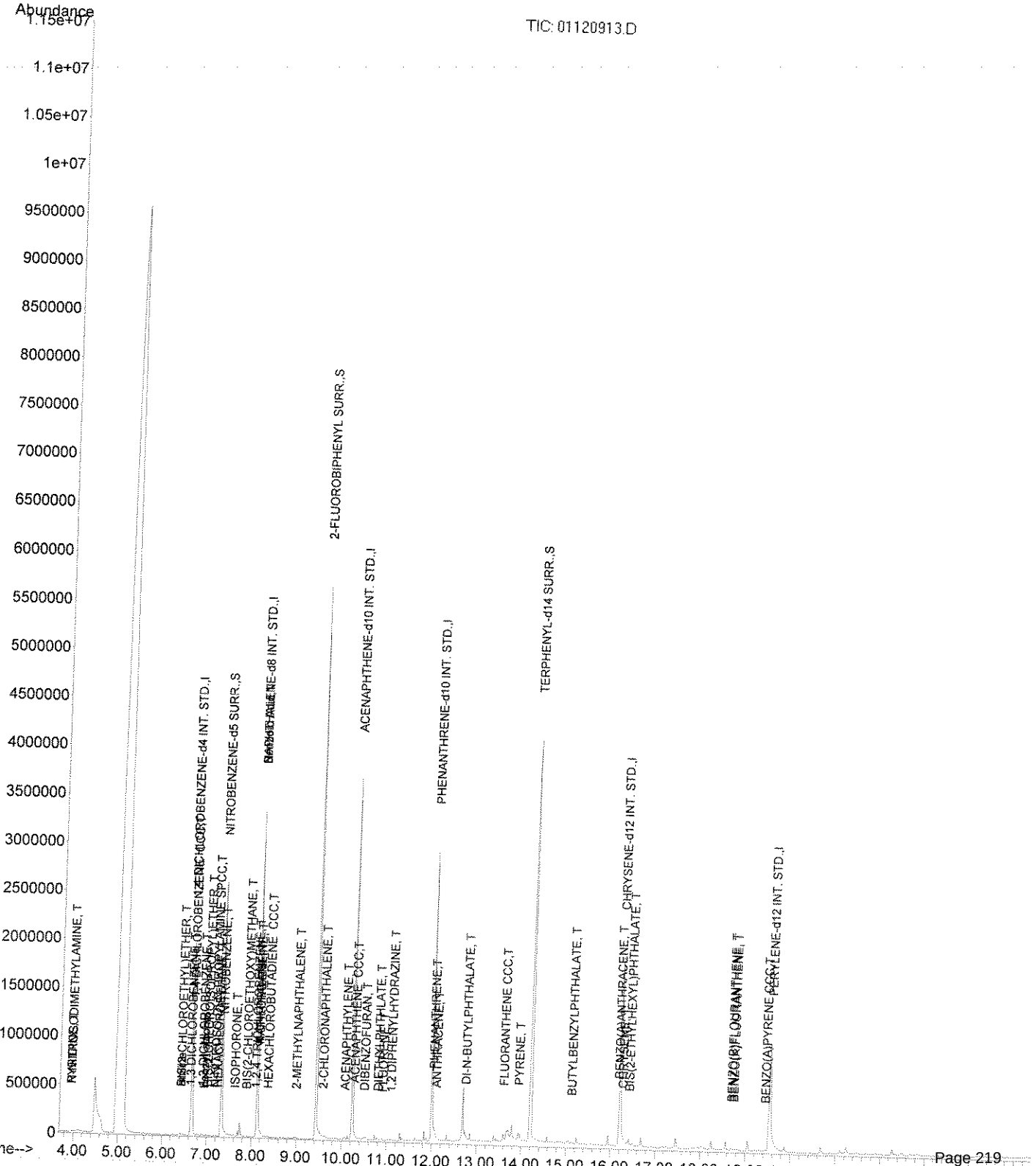
(#) = qualifier out of range (m) = manual integration (+) = signals summed

BZ111208.M Tue Jan 13 09:31:26 2009 J

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120913.D
Acq On : 12 Jan 2009 4:36 pm
Operator : J. Aquilina
Sample : bn smp 082.01*30 33g tcl
Misc : 1/9/09
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 13 09:34:35 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration



33120108.M Tue Jan 13 09:34:36 2009 J

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120914.D
Acq On : 12 Jan 2009 5:11 pm
Operator : J. Aquilina
Sample : bn smp 082.02*30 33g tcl
Misc : 1/9/09
ALS Vial : 15 Sample Multiplier: 1

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Quant Time: Jan 13 09:34:37 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.65	150	1094321	40.00 PPB	-0.06
19) NAPHTHALENE-d8 INT. STD.	8.12	136	2621900	40.00 PPB	-0.05
35) ACENAPHTHENE-d10 INT. STD.	10.23	162	1319368	40.00 PPB	-0.05
54) PHENANTHRENE-d10 INT. STD.	11.99	188	1963561	40.00 PPB	-0.04
67) CHRYSENE-d12 INT. STD.	16.21	240	1871969	40.00 PPB	-0.06
75) PERYLENE-d12 INT. STD.	19.53	264	1213272	40.00 PPB	-0.07
System Monitoring Compounds					
4) 2-FLUOROPHENOL SURR.	0.00	112	0	0.00 PPB	
5) PHENOL-d6 SURR.	0.00	99	0	0.00 PPB	
20) NITROBENZENE-d5 SURR.	7.32	82	1833032	75.54 PPB	-0.04
39) 2-FLUOROBIPHENYL SURR.	9.42	172	3157203	81.62 PPB	-0.05
58) 2,4,6 TRIBROMOPHENOL SURR.	0.00	330	0	0.00 PPB	
70) TERPHENYL-d14 SURR.	14.21	244	2866121	76.66 PPB	-0.05
Target Compounds					Qvalue
2) N-NITROSODIMETHYLAMINE	3.86	74	434	N.D.	
3) PYRIDINE	3.95	79	2665	N.D.	
6) PHENOL CCC	0.00	94	0	N.D.	
7) aniline	6.38	93	5316	0.30 PPB #	15
8) BIS(2-CHLOROETHYL)ETHER	6.38	93	5316	0.16 PPB #	29
9) 2-CHLOROPHENOL	0.00	128	0	N.D.	
10) 1,3 DICHLOROBENZENE	6.63	146	1147	N.D.	
11) 1,4 DICHLOROBENZENE CCC	6.67	146	1161	N.D.	
12) benzyl alcohol	0.00	79	0	N.D.	
13) 1,2-DICHLOROBENZENE	6.89	146	2913	0.12 PPB	91
14) 2-METHYLPHENOL	0.00	108	0	N.D.	
15) BIS(2-CHLOROISOPROPYL)ETHE	7.01	45	1824	N.D.	
16) 4-METHYLPHENOL	0.00	107	0	N.D.	
17) N-NITROSO-DI-N-PROPYLAMINE	7.18	43	3103	0.21 PPB #	49
18) HEXACHLOROETHANE	7.23	117	183	N.D.	
21) NITROBENZENE	7.32	77	7895	0.29 PPB #	58
22) ISOPHORONE	7.61	82	7867	0.12 PPB #	73
23) 2,4 DIMETHYLPHENOL	0.00	107	0	N.D.	
24) Benzoic Acid	7.95	105	182	N.D.	
25) 2-NITROPHENOL	0.00	139	0	N.D.	
26) BIS(2-CHLOROETHOXY)METHANE	7.89	93	1841	N.D.	
27) 2,4 DICHLOROPHENOL CCC	0.00	162	0	N.D.	
28) 1,2,4 TRICHLOROBENZENE	8.09	180	859	N.D.	
29) NAPHTHALENE	8.15	128	6152	N.D.	
30) 4-CHLOROANILINE	8.15	127	1002	N.D.	
31) HEXACHLOROBUTADIENE CCC	0.00	225	0	N.D.	
32) 4-CHLORO-3-METHYLPHENOL CC	0.00	107	0	N.D.	
33) 2-METHYLNAPHTHALENE	8.98	142	3595	N.D.	
34) 2-NITROANILINE	0.00	138	0	N.D.	
36) HEXACHLOROCYCLOPENTADIENE	0.00	237	0	N.D.	
37) 2,4,6-TRICHLOROPHENOL CCC	0.00	196	0	N.D.	
38) 2,4,5 TRICHLOROPHENOL	0.00	196	0	N.D.	
40) 2-CHLORONAPHTHALENE	9.55	162	3831	N.D.	
41) DIMETHYLPHTHALATE	9.98	163	1008	N.D.	
42) 2,6 DINITROTOLUENE	0.00	165	0	N.D.	
43) ACENAPHTHYLENE	10.06	152	4814	N.D.	
44) 3-NITROANILINE	9.67	65	176	N.D.	
45) ACENAPHTHENE CCC	10.26	153	1879	N.D.	
46) 2,4-DINITROPHENOL SPCC	0.00	184	0	N.D.	
47) 4-NITROPHENOL SPCC	10.69	65	2213	0.27 PPB #	18
48) DIBENZOFURAN	10.50	168	3814	N.D.	
49) 2,4 DINITROTOLUENE	10.54	165	600	N.D.	
50) DIETHYLPHTHLATE	10.80	149	4337	N.D.	
51) 4-CHLOROPHENYLPHENYL ETHER	10.89	204	271	N.D.	

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120914.D
Acq On : 12 Jan 2009 5:11 pm
Operator : J. Aquilina
Sample : bn smp 082.02*30 33g tcl
Misc : 1/9/09
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 13 09:34:37 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
52) FLUORENE	10.90	166	1733	N.D.	
53) 4-NITROANILINE	0.00	138	0	N.D.	
55) 4,6-DINITRO-2-METHYLPHENOL	0.00	198	0	N.D.	
56) N-NITROSODIPHENYLAMINE	0.00	168	0	N.D.	
57) 1,2 DIPHENYLHYDRAZINE	11.03	77	929	N.D.	
59) 4-BROMOPHENYLPHENYL ETHER	0.00	248	0	N.D.	
60) HEXACHLOROBENZENE	0.00	284	0	N.D.	
61) PENTACHLOROPHENOL CCC	0.00	266	0	N.D.	
62) PHENANTHRENE	12.02	178	6957	0.10 PPB #	60
63) ANTHRACENE	12.09	178	2014	N.D.	
64) CARBAZOLE	12.35	167	1275	N.D.	
65) DI-N-BUTYLPHTHALATE	12.75	149	28778	0.24 PPB	93
66) FLUORANTHENE CCC	13.62	202	6278	N.D.	
68) BENZIDINE	0.00	184	0	N.D.	
69) PYRENE	13.96	202	5936	N.D.	
71) BUTYLBENZYLPHTHALATE	15.12	149	6195	0.12 PPB #	77
72) BIS(2-ETHYLHEXYL)PHTHALATE	16.41	149	32903	0.45 PPB	95
73) BENZO(A)ANTHRACENE	16.21	228	7029	0.13 PPB #	70
74) CHRYSENE	16.26	228	4185	N.D.	
76) 3,3'-DICHLOROBENZIDINE	0.00	252	0	N.D.	
77) DI-N-OCTYL PHTHALATE CCC	17.85	149	4322	N.D.	
78) BENZO(B)FLOURANTHENE	18.72	252	3026	N.D.	
79) BENZO(K)FLUORANTHENE	18.77	252	4630	0.10 PPB #	64
80) BENZO(A)PYRENE CCC	19.34	252	1061	N.D.	
81) DIBENZO(A,H)ANTHRACENE	0.00	278	0	N.D.	
82) INDENO(1,2,3-CD)PYRENE	0.00	276	0	N.D.	
83) BENZO(G,H,I)PERYLENE	0.00	276	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (No Status)

Data Path : C:\MSDChem\1\DATA\jan09\011209bz\
Data File : 01120914.D
Acq On : 12 Jan 2009 5:11 pm
Operator : J. Aquilina
Sample : bn smp 082.02*30 33g tcl
Misc : 1/9/09
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 13 09:31:32 2009
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.65	150	1092375	40.00	PPB	-0.09
2) NAPHTHALENE-d8 INT. STD.	8.12	136	2621900	40.00	PPB	-0.09
4) ACENAPHTHENE-d10 INT. STD.	10.23	162	1319368	40.00	PPB	-0.08
6) PHENANTHRENE-d10 INT. STD.	11.99	188	1956986	40.00	PPB	-0.08
7) CHRYSENE-d12 INT. STD.	16.21	240	1871969	40.00	PPB	-0.10
10) PERYLENE-d12 INT. STD.	19.53	264	1303201	40.00	PPB	-0.12
System Monitoring Compounds						
3) NITROBENZENE-d5 SURR.	7.32	82	1835522	81.75	PPB	-0.09
5) 2-FLUOROBIPHENYL SURR.	9.42	172	3157203	81.68	PPB	-0.09
9) TERPHENYL-d14 SURR.	14.21	244	2866121	73.19	PPB	-0.09
Target Compounds						Qvalue
8) BENZIDINE	0.00	184	0	N.D.		
11) 3,3'-DICHLOROBENZIDINE	0.00	252	0	N.D.		

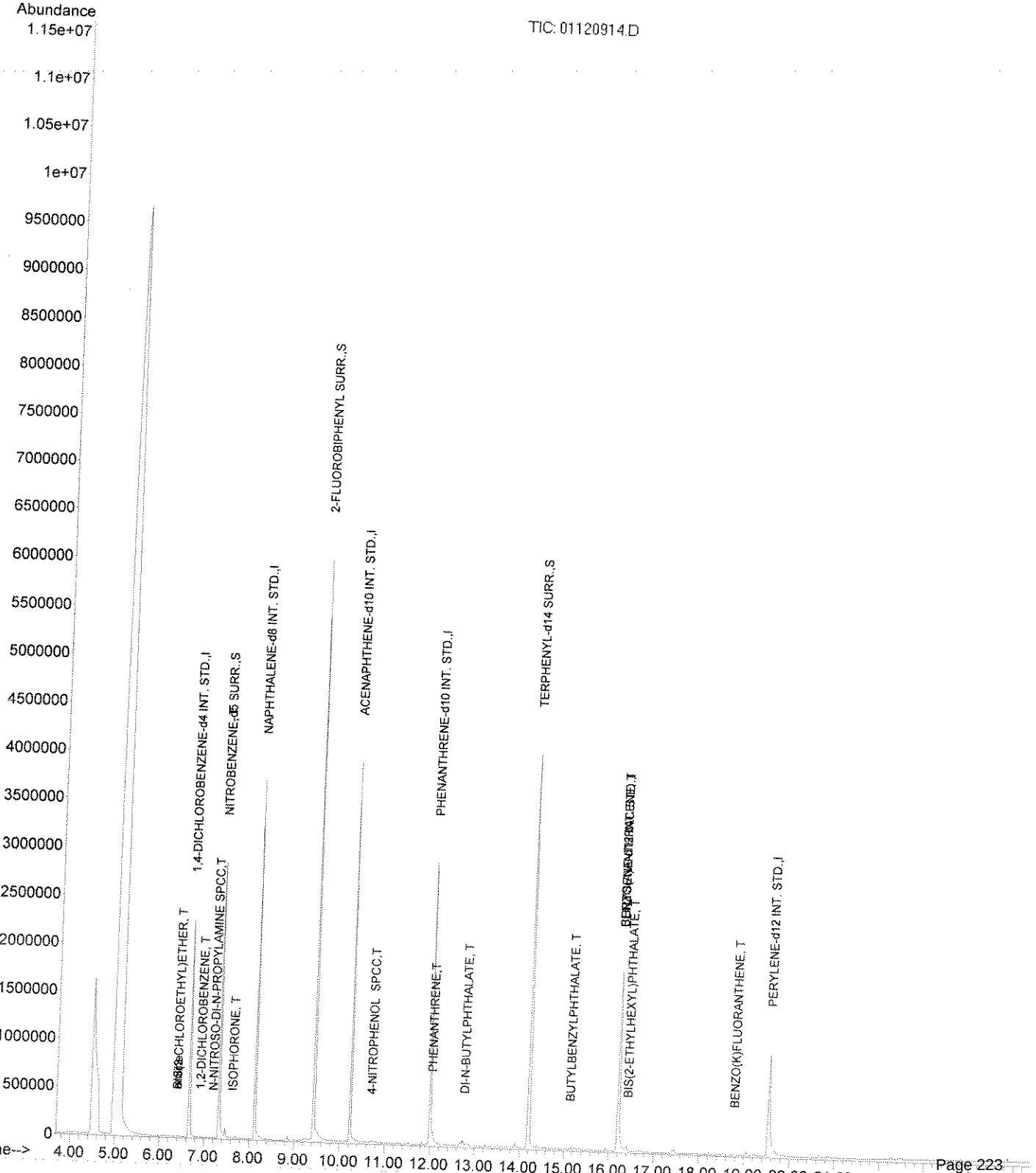
(#) = qualifier out of range (m) = manual integration (+) = signals summed

BZ111208.M Tue Jan 13 09:31:35 2009 J

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120914.D
Acq On : 12 Jan 2009 5:11 pm
Operator : J. Aquilina
Sample : bn smp 082.02*30 33g tcl
Misc : 1/9/09
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 13 09:34:37 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration



;3120108.M Tue Jan 13 09:34:37 2009 J

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120915.D
Acq On : 12 Jan 2009 5:46 pm
Operator : J. Aquilina
Sample : bn smp 082.03*30 33g tcl
Misc : 1/9/09
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 13 09:34:39 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration

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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.64	150	1134986	40.00 PPB		-0.06
19) NAPHTHALENE-d8 INT. STD.	8.12	136	2741735	40.00 PPB		-0.05
35) ACENAPHTHENE-d10 INT. STD.	10.22	162	1356190	40.00 PPB		-0.05
54) PHENANTHRENE-d10 INT. STD.	11.99	188	1912245	40.00 PPB		-0.04
67) CHRYSENE-d12 INT. STD.	16.19	240	1895418	40.00 PPB		-0.08
75) PERYLENE-d12 INT. STD.	19.52	264	1195533	40.00 PPB		-0.08
System Monitoring Compounds						
4) 2-FLUOROPHENOL SURR.	0.00	112	0	0.00 PPB		
5) PHENOL-d6 SURR.	6.47	99	1237	0.04 PPB		0.04
20) NITROBENZENE-d5 SURR.	7.32	82	1862780	73.41 PPB		-0.05
39) 2-FLUOROBIPHENYL SURR.	9.41	172	3207332	80.66 PPB		-0.06
58) 2,4,6 TRIBROMOPHENOL SURR.	0.00	330	0	0.00 PPB		
70) TERPHENYL-d14 SURR.	14.20	244	2861983	75.61 PPB		-0.06
Target Compounds						Qvalue
2) N-NITROSODIMETHYLAMINE	0.00	74	0	N.D.		
3) PYRIDINE	0.00	79	0	N.D.		
6) PHENOL CCC	0.00	94	0	N.D.		
7) aniline	6.41	93	1249	N.D.		
8) BIS(2-CHLOROETHYL)ETHER	6.41	93	1249	N.D.		
9) 2-CHLOROPHENOL	0.00	128	0	N.D.		
10) 1,3 DICHLOROBENZENE	6.62	146	216	N.D.		
11) 1,4 DICHLOROBENZENE CCC	6.66	146	291	N.D.		
12) benzyl alcohol	0.00	79	0	N.D.		
13) 1,2-DICHLOROBENZENE	6.89	146	3543	0.14 PPB		91
14) 2-METHYLPHENOL	0.00	108	0	N.D.		
15) BIS(2-CHLOROISOPROPYL)ETHE	7.00	45	191	N.D.		
16) 4-METHYLPHENOL	0.00	107	0	N.D.		
17) N-NITROSO-DI-N-PROPYLAMINE	7.16	43	2108	0.14 PPB	#	24
18) HEXACHLOROETHANE	0.00	117	0	N.D.		
21) NITROBENZENE	7.32	77	5511	0.19 PPB	#	29
22) ISOPHORONE	0.00	82	0	N.D.		
23) 2,4 DIMETHYLPHENOL	0.00	107	0	N.D.		
24) Benzoic Acid	8.12	105	3641	0.19 PPB	#	1
25) 2-NITROPHENOL	0.00	139	0	N.D.		
26) BIS(2-CHLOROETHOXY)METHANE	0.00	93	0	N.D.		
27) 2,4 DICHLOROPHENOL CCC	0.00	162	0	N.D.		
28) 1,2,4 TRICHLOROBENZENE	8.07	180	194	N.D.		
29) NAPHTHALENE	8.15	128	3085	N.D.		
30) 4-CHLOROANILINE	0.00	127	0	N.D.		
31) HEXACHLOROBUTADIENE CCC	0.00	225	0	N.D.		
32) 4-CHLORO-3-METHYLPHENOL CC	0.00	107	0	N.D.		
33) 2-METHYLNAPHTHALENE	8.98	142	2252	N.D.		
34) 2-NITROANILINE	0.00	138	0	N.D.		
36) HEXACHLOROCYCLOPENTADIENE	0.00	237	0	N.D.		
37) 2,4,6-TRICHLOROPHENOL CCC	0.00	196	0	N.D.		
38) 2,4,5 TRICHLOROPHENOL	0.00	196	0	N.D.		
40) 2-CHLORONAPHTHALENE	9.57	162	697	N.D.		
41) DIMETHYLPHTHALATE	9.98	163	244	N.D.		
42) 2,6 DINITROTOLUENE	0.00	165	0	N.D.		
43) ACENAPHTHYLENE	10.06	152	2239	N.D.		
44) 3-NITROANILINE	0.00	65	0	N.D.		
45) ACENAPHTHENE CCC	10.26	153	575	N.D.		
46) 2,4-DINITROPHENOL SPCC	0.00	184	0	N.D.		
47) 4-NITROPHENOL SPCC	0.00	65	0	N.D.		
48) DIBENZOFURAN	10.50	168	1502	N.D.		
49) 2,4 DINITROTOLUENE	10.48	165	1859	N.D.		
50) DIETHYLPHTHLATE	10.80	149	3156	N.D.		
51) 4-CHLOROPHENYLPHENYL ETHER	0.00	204	0	N.D.		

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120915.D
Acq On : 12 Jan 2009 5:46 pm
Operator : J. Aquilina
Sample : bn smp 082.03*30 33g tcl
Misc : 1/9/09
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 13 09:34:39 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
52) FLUORENE	10.91	166	1015	N.D.	
53) 4-NITROANILINE	0.00	138	0	N.D.	
55) 4,6-DINITRO-2-METHYLPHENOL	0.00	198	0	N.D.	
56) N-NITROSODIPHENYLAMINE	11.01	168	273	N.D.	
57) 1,2 DIPHENYLHYDRAZINE	11.08	77	1475	N.D.	
59) 4-BROMOPHENYLPHENYL ETHER	0.00	248	0	N.D.	
60) HEXACHLOROBENZENE	0.00	284	0	N.D.	
61) PENTACHLOROPHENOL CCC	0.00	266	0	N.D.	
62) PHENANTHRENE	12.01	178	4665	N.D.	
63) ANTHRACENE	12.07	178	2054	N.D.	
64) CARBAZOLE	12.36	167	413	N.D.	
65) DI-N-BUTYLPHTHALATE	12.75	149	31821	0.27 PPB	94
66) FLUORANTHENE CCC	13.62	202	3120	N.D.	
68) BENZIDINE	0.00	184	0	N.D.	
69) PYRENE	13.95	202	2825	N.D.	
71) BUTYLBENZYLPHTHALATE	15.12	149	3016	N.D.	
72) BIS(2-ETHYLHEXYL)PHTHALATE	16.40	149	27871	0.38 PPB	98
73) BENZO(A)ANTHRACENE	16.19	228	5468	N.D.	
74) CHRYSENE	16.19	228	5468	N.D.	
76) 3,3'-DICHLOROBENZIDINE	0.00	252	0	N.D.	
77) DI-N-OCTYL PHTHALATE CCC	17.85	149	2318	N.D.	
78) BENZO(B)FLOURANTHENE	18.74	252	1553	N.D.	
79) BENZO(K)FLUORANTHENE	18.76	252	1553	N.D.	
80) BENZO(A)PYRENE CCC	19.46	252	450	N.D.	
81) DIBENZO(A,H)ANTHRACENE	0.00	278	0	N.D.	
82) INDENO(1,2,3-CD)PYRENE	0.00	276	0	N.D.	
83) BENZO(G,H,I)PERYLENE	0.00	276	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (No Status)

Data Path : C:\MSDChem\1\DATA\jan09\011209bz\
Data File : 01120915.D
Acq On : 12 Jan 2009 5:46 pm
Operator : J. Aquilina
Sample : bn smp 082.03*30 33g tcl
Misc : 1/9/09
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 13 09:31:41 2009
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.64	150	1138858	40.00 PPB	-0.10
2) NAPHTHALENE-d8 INT. STD.	8.12	136	2741735	40.00 PPB	-0.09
4) ACENAPHTHENE-d10 INT. STD.	10.22	162	1354541	40.00 PPB	-0.09
6) PHENANTHRENE-d10 INT. STD.	11.99	188	1903860	40.00 PPB	-0.08
7) CHRYSENE-d12 INT. STD.	16.19	240	1890580	40.00 PPB	-0.12
10) PERYLENE-d12 INT. STD.	19.52	264	1304292	40.00 PPB	-0.12
System Monitoring Compounds					
3) NITROBENZENE-d5 SURR.	7.32	82	1863771	79.38 PPB	-0.10
5) 2-FLUOROBIPHENYL SURR.	9.41	172	3220010	81.14 PPB	-0.10
9) TERPHENYL-d14 SURR.	14.20	244	2871755	72.62 PPB	-0.10
Target Compounds					Qvalue
8) BENZIDINE	0.00	184	0	N.D.	
11) 3,3'-DICHLOROBENZIDINE	0.00	252	0	N.D.	

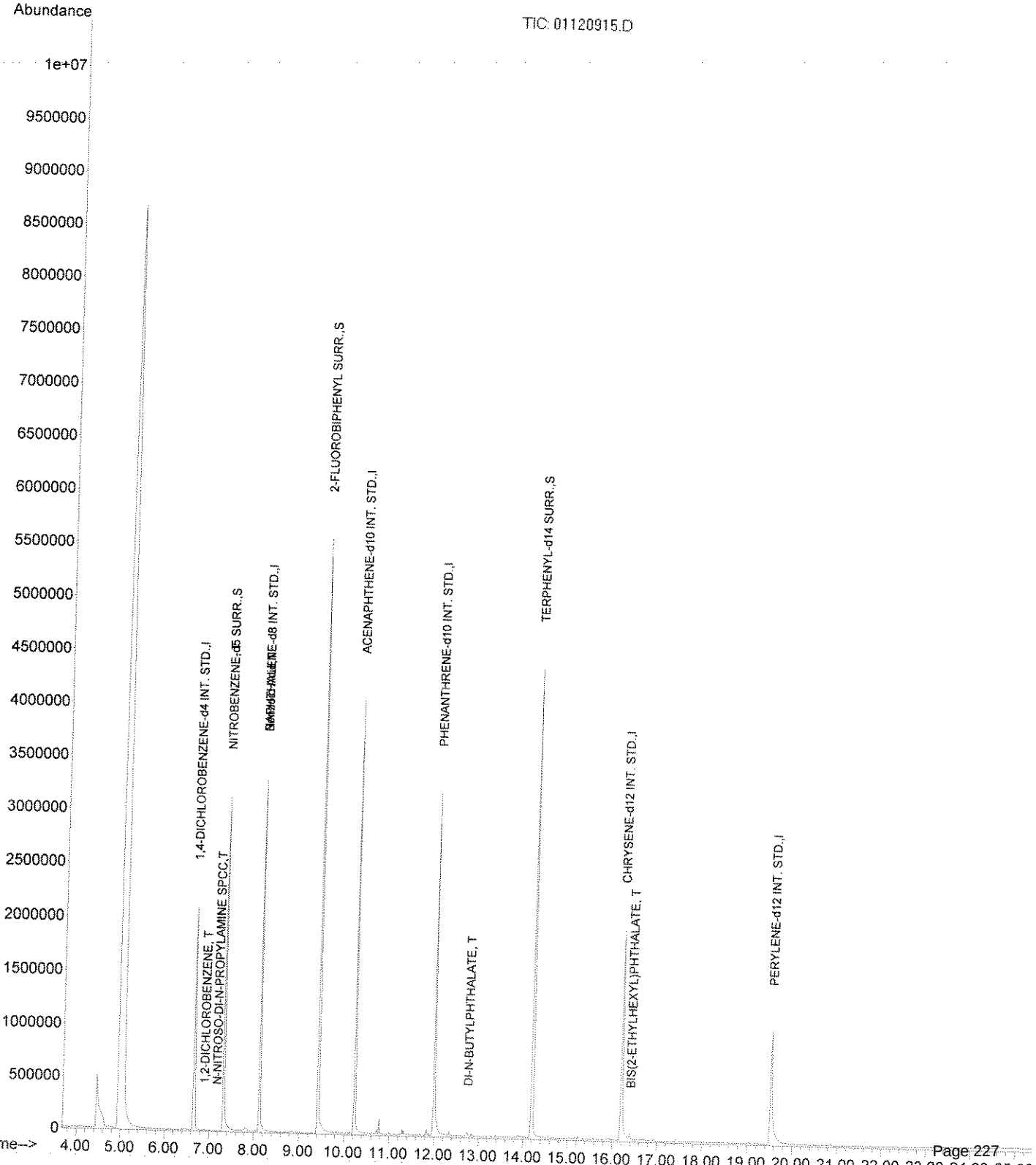
(#) = qualifier out of range (m) = manual integration (+) = signals summed

BZ111208.M Tue Jan 13 09:31:45 2009 J

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120915.D
Acq On : 12 Jan 2009 5:46 pm
Operator : J. Aquilina
Sample : bn smp 082.03*30 33g tcl
Misc : 1/9/09
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 13 09:34:39 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration



G3120108.M Tue Jan 13 09:34:39 2009 J

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120916.D
Acq On : 12 Jan 2009 6:20 pm
Operator : J. Aquilina
Sample : bn smp 082.04*30 33g tcl
Misc : 1/9/09
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jan 13 09:34:41 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.65	150	1148491	40.00 PPB	-0.06
19) NAPHTHALENE-d8 INT. STD.	8.12	136	2717276	40.00 PPB	-0.06
35) ACENAPHTHENE-d10 INT. STD.	10.22	162	1357834	40.00 PPB	-0.06
54) PHENANTHRENE-d10 INT. STD.	11.98	188	1978939	40.00 PPB	-0.05
67) CHRYSENE-d12 INT. STD.	16.20	240	1894012	40.00 PPB	-0.07
75) PERYLENE-d12 INT. STD.	19.51	264	1199747	40.00 PPB	-0.09
System Monitoring Compounds					
4) 2-FLUOROPHENOL SURR.	0.00	112	0	0.00 PPB	
5) PHENOL-d6 SURR.	0.00	99	0	0.00 PPB	
20) NITROBENZENE-d5 SURR.	7.30	82	1908135	75.87 PPB	-0.06
39) 2-FLUOROBIPHENYL SURR.	9.42	172	3232891	81.21 PPB	-0.05
58) 2,4,6 TRIBROMOPHENOL SURR.	0.00	330	0	0.00 PPB	
70) TERPHENYL-d14 SURR.	14.19	244	2954415	78.10 PPB	-0.07
Target Compounds					Qvalue
2) N-NITROSODIMETHYLAMINE	0.00	74	0	N.D.	
3) PYRIDINE	0.00	79	0	N.D.	
6) PHENOL CCC	0.00	94	0	N.D.	
7) aniline	6.42	93	352	N.D.	
8) BIS(2-CHLOROETHYL)ETHER	6.42	93	352	N.D.	
9) 2-CHLOROPHENOL	0.00	128	0	N.D.	
10) 1,3 DICHLOROBENZENE	6.66	146	1684	N.D.	
11) 1,4 DICHLOROBENZENE CCC	6.66	146	1684	N.D.	
12) benzyl alcohol	0.00	79	0	N.D.	
13) 1,2-DICHLOROBENZENE	0.00	146	0	N.D.	
14) 2-METHYLPHENOL	0.00	108	0	N.D.	
15) BIS(2-CHLOROISOPROPYL)ETHE	0.00	45	0	N.D.	
16) 4-METHYLPHENOL	0.00	107	0	N.D.	
17) N-NITROSO-DI-N-PROPYLAMINE	7.15	43	692	N.D.	
18) HEXACHLOROETHANE	0.00	117	0	N.D.	
21) NITROBENZENE	7.30	77	6018	0.21 PPB #	28
22) ISOPHORONE	0.00	82	0	N.D.	
23) 2,4 DIMETHYLPHENOL	0.00	107	0	N.D.	
24) Benzoic Acid	7.93	105	756	N.D.	
25) 2-NITROPHENOL	0.00	139	0	N.D.	
26) BIS(2-CHLOROETHOXY)METHANE	7.89	93	182	N.D.	
27) 2,4 DICHLOROPHENOL CCC	0.00	162	0	N.D.	
28) 1,2,4 TRICHLOROBENZENE	8.07	180	196	N.D.	
29) NAPHTHALENE	8.14	128	1882	N.D.	
30) 4-CHLOROANILINE	0.00	127	0	N.D.	
31) HEXACHLOROBUTADIENE CCC	0.00	225	0	N.D.	
32) 4-CHLORO-3-METHYLPHENOL CC	0.00	107	0	N.D.	
33) 2-METHYLNAPHTHALENE	8.99	142	1561	N.D.	
34) 2-NITROANILINE	0.00	138	0	N.D.	
36) HEXACHLOROCYCLOPENTADIENE	0.00	237	0	N.D.	
37) 2,4,6-TRICHLOROPHENOL CCC	0.00	196	0	N.D.	
38) 2,4,5 TRICHLOROPHENOL	0.00	196	0	N.D.	
40) 2-CHLORONAPHTHALENE	9.57	162	402	N.D.	
41) DIMETHYLPHTHALATE	10.00	163	403	N.D.	
42) 2,6 DINITROTOLUENE	0.00	165	0	N.D.	
43) ACENAPHTHYLENE	10.06	152	1919	N.D.	
44) 3-NITROANILINE	0.00	65	0	N.D.	
45) ACENAPHTHENE CCC	10.25	153	548	N.D.	
46) 2,4-DINITROPHENOL SPCC	0.00	184	0	N.D.	
47) 4-NITROPHENOL SPCC	0.00	65	0	N.D.	
48) DIBENZOFURAN	10.52	168	1410	N.D.	
49) 2,4 DINITROTOLUENE	10.59	165	459	N.D.	
50) DIETHYLPHTHLATE	10.80	149	2746	N.D.	
51) 4-CHLOROPHENYLPHENYL ETHER	0.00	204	0	N.D.	

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120916.D
Acq On : 12 Jan 2009 6:20 pm
Operator : J. Aquilina
Sample : bn smp 082.04*30 33g tcl
Misc : 1/9/09
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jan 13 09:34:41 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
52) FLUORENE	10.90	166	511	N.D.	
53) 4-NITROANILINE	0.00	138	0	N.D.	
55) 4,6-DINITRO-2-METHYLPHENOL	0.00	198	0	N.D.	
56) N-NITROSODIPHENYLAMINE	0.00	168	0	N.D.	
57) 1,2 DIPHENYLHYDRAZINE	11.09	77	2262	N.D.	
59) 4-BROMOPHENYLPHENYL ETHER	0.00	248	0	N.D.	
60) HEXACHLOROBENZENE	0.00	284	0	N.D.	
61) PENTACHLOROPHENOL CCC	0.00	266	0	N.D.	
62) PHENANTHRENE	12.02	178	1954	N.D.	
63) ANTHRACENE	12.07	178	398	N.D.	
64) CARBAZOLE	0.00	167	0	N.D.	
65) DI-N-BUTYLPHTHALATE	12.75	149	27820	0.23 PPB	92
66) FLUORANTHENE CCC	13.63	202	478	N.D.	
68) BENZIDINE	0.00	184	0	N.D.	
69) PYRENE	13.95	202	463	N.D.	
71) BUTYLBENZYLPHTHALATE	15.11	149	5114	N.D.	
72) BIS(2-ETHYLHEXYL)PHTHALATE	16.39	149	29365	0.40 PPB	92
73) BENZO(A)ANTHRACENE	16.20	228	4751	N.D.	
74) CHRYSENE	16.20	228	4751	N.D.	
76) 3,3'-DICHLOROBENZIDINE	0.00	252	0	N.D.	
77) DI-N-OCTYL PHTHALATE CCC	17.84	149	1108	N.D.	
78) BENZO(B)FLOURANTHENE	0.00	252	0	N.D.	
79) BENZO(K)FLUORANTHENE	0.00	252	0	N.D.	
80) BENZO(A)PYRENE CCC	0.00	252	0	N.D.	
81) DIBENZO(A,H)ANTHRACENE	0.00	278	0	N.D.	
82) INDENO(1,2,3-CD)PYRENE	0.00	276	0	N.D.	
83) BENZO(G,H,I)PERYLENE	0.00	276	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (No Status)

Data Path : C:\MSDChem\1\DATA\jan09\011209bz\
Data File : 01120916.D
Acq On : 12 Jan 2009 6:20 pm
Operator : J. Aquilina
Sample : bn smp 082.04*30 33g tcl
Misc : 1/9/09
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jan 13 09:31:51 2009
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.65	150	1149236	40.00	PPB	-0.09
2) NAPHTHALENE-d8 INT. STD.	8.12	136	2709068	40.00	PPB	-0.10
4) ACENAPHTHENE-d10 INT. STD.	10.22	162	1352481	40.00	PPB	-0.09
6) PHENANTHRENE-d10 INT. STD.	11.98	188	1978939	40.00	PPB	-0.09
7) CHRYSENE-d12 INT. STD.	16.20	240	1888591	40.00	PPB	-0.12
10) PERYLENE-d12 INT. STD.	19.51	264	1310049	40.00	PPB	-0.13
System Monitoring Compounds						
3) NITROBENZENE-d5 SURR.	7.30	82	1908135	82.25	PPB	-0.11
5) 2-FLUOROBIPHENYL SURR.	9.42	172	3232586	81.58	PPB	-0.10
9) TERPHENYL-d14 SURR.	14.19	244	2954415	74.78	PPB	-0.11
Target Compounds						Qvalue
8) BENZIDINE	0.00	184	0	N.D.		
11) 3,3'-DICHLOROBENZIDINE	0.00	252	0	N.D.		

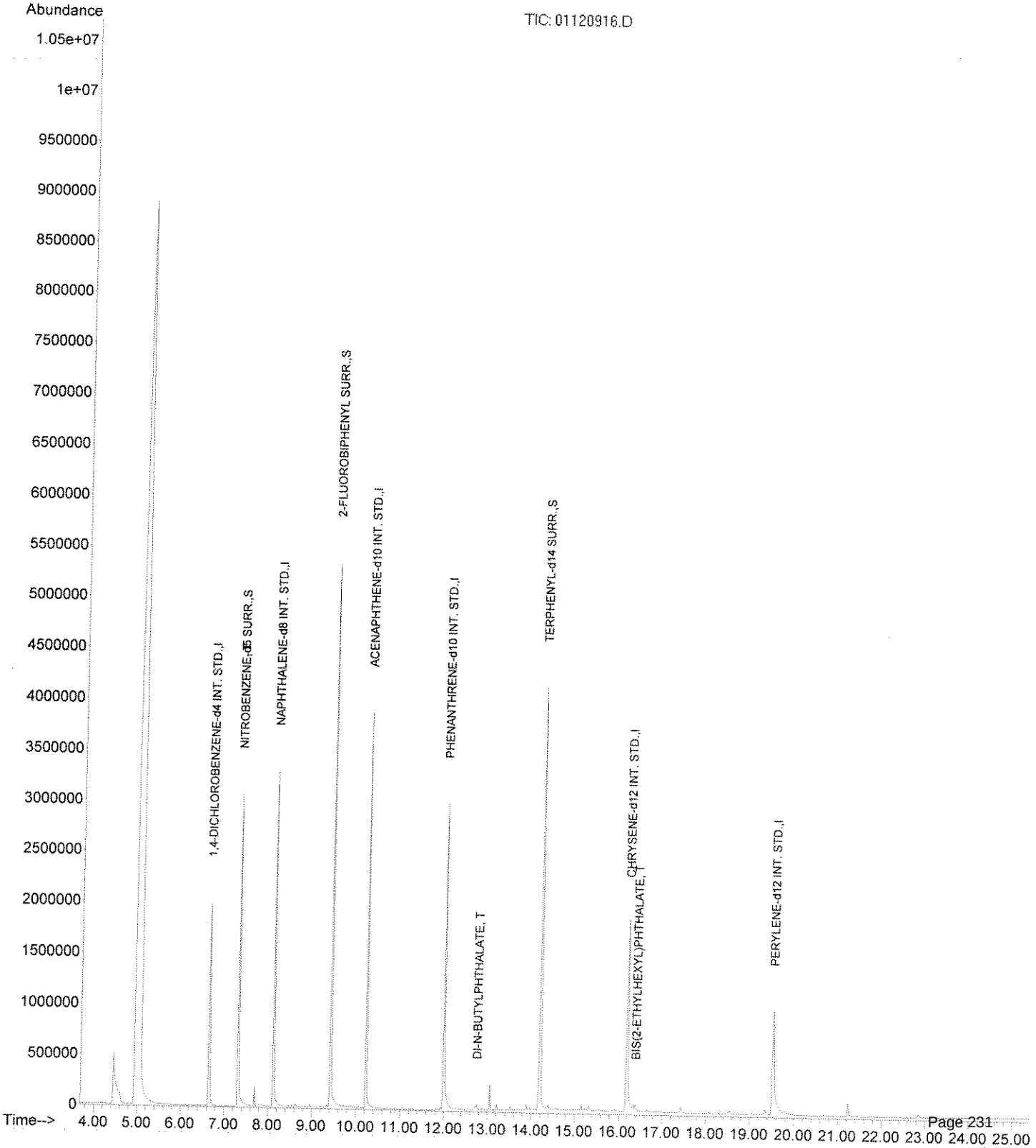
(#) = qualifier out of range (m) = manual integration (+) = signals summed

BZ111208.M Tue Jan 13 09:31:53 2009 J

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120916.D
Acq On : 12 Jan 2009 6:20 pm
Operator : J. Aquilina
Sample : bn smp 082.04*30 33g tcl
Misc : 1/9/09
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jan 13 09:34:41 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration



G3120108.M Tue Jan 13 09:34:41 2009 J

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120917.D
Acq On : 12 Jan 2009 6:54 pm
Operator : J. Aquilina
Sample : bn smp 082.05*30 33g tcl
Misc : 1/9/09
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jan 13 09:34:43 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.64	150	1188546	40.00 PPB	-0.07
19) NAPHTHALENE-d8 INT. STD.	8.11	136	2917994	40.00 PPB	-0.06
35) ACENAPHTHENE-d10 INT. STD.	10.22	162	1394200	40.00 PPB	-0.05
54) PHENANTHRENE-d10 INT. STD.	11.99	188	2059861	40.00 PPB	-0.05
67) CHRYSENE-d12 INT. STD.	16.19	240	1994149	40.00 PPB	-0.08
75) PERYLENE-d12 INT. STD.	19.52	264	1296330	40.00 PPB	-0.08
System Monitoring Compounds					
4) 2-FLUOROPHENOL SURR.	0.00	112	0	0.00 PPB	
5) PHENOL-d6 SURR.	0.00	99	0	0.00 PPB	
20) NITROBENZENE-d5 SURR.	7.31	82	1636028	60.58 PPB	-0.06
39) 2-FLUOROBIPHENYL SURR.	9.41	172	2868548	70.18 PPB	-0.06
58) 2,4,6 TRIBROMOPHENOL SURR.	0.00	330	0	0.00 PPB	
70) TERPHENYL-d14 SURR.	14.20	244	2612831	65.61 PPB	-0.06
Target Compounds					Qvalue
2) N-NITROSODIMETHYLAMINE	0.00	74	0	N.D.	
3) PYRIDINE	0.00	79	0	N.D.	
6) PHENOL CCC	0.00	94	0	N.D.	
7) aniline	6.40	93	262	N.D.	
8) BIS(2-CHLOROETHYL)ETHER	6.40	93	262	N.D.	
9) 2-CHLOROPHENOL	0.00	128	0	N.D.	
10) 1,3 DICHLOROBENZENE	6.62	146	2074	N.D.	
11) 1,4 DICHLOROBENZENE CCC	6.66	146	3028	0.11 PPB #	45
12) benzyl alcohol	6.78	79	1309	N.D.	
13) 1,2-DICHLOROBENZENE	6.89	146	8396	0.31 PPB	97
14) 2-METHYLPHENOL	0.00	108	0	N.D.	
15) BIS(2-CHLOROISOPROPYL)ETHE	6.99	45	403	N.D.	
16) 4-METHYLPHENOL	0.00	107	0	N.D.	
17) N-NITROSO-DI-N-PROPYLAMINE	7.08	43	4819	0.30 PPB #	3
18) HEXACHLOROETHANE	0.00	117	0	N.D.	
21) NITROBENZENE	7.31	77	4829	0.16 PPB #	54
22) ISOPHORONE	0.00	82	0	N.D.	
23) 2,4 DIMETHYLPHENOL	0.00	107	0	N.D.	
24) Benzoic Acid	8.12	105	1690	N.D.	
25) 2-NITROPHENOL	0.00	139	0	N.D.	
26) BIS(2-CHLOROETHOXY)METHANE	7.88	93	264	N.D.	
27) 2,4 DICHLOROPHENOL CCC	0.00	162	0	N.D.	
28) 1,2,4 TRICHLOROBENZENE	8.08	180	617	N.D.	
29) NAPHTHALENE	8.13	128	2573	N.D.	
30) 4-CHLOROANILINE	0.00	127	0	N.D.	
31) HEXACHLOROBUTADIENE CCC	0.00	225	0	N.D.	
32) 4-CHLORO-3-METHYLPHENOL CC	0.00	107	0	N.D.	
33) 2-METHYLNAPHTHALENE	8.98	142	1841	N.D.	
34) 2-NITROANILINE	0.00	138	0	N.D.	
36) HEXACHLOROCYCLOPENTADIENE	0.00	237	0	N.D.	
37) 2,4,6-TRICHLOROPHENOL CCC	0.00	196	0	N.D.	
38) 2,4,5 TRICHLOROPHENOL	0.00	196	0	N.D.	
40) 2-CHLORONAPHTHALENE	9.56	162	381	N.D.	
41) DIMETHYLPHTHALATE	9.97	163	300	N.D.	
42) 2,6 DINITROTOLUENE	0.00	165	0	N.D.	
43) ACENAPHTHYLENE	10.05	152	3953	N.D.	
44) 3-NITROANILINE	0.00	65	0	N.D.	
45) ACENAPHTHENE CCC	10.26	153	753	N.D.	
46) 2,4-DINITROPHENOL SPCC	0.00	184	0	N.D.	
47) 4-NITROPHENOL SPCC	0.00	65	0	N.D.	
48) DIBENZOFURAN	10.49	168	1791	N.D.	
49) 2,4 DINITROTOLUENE	10.49	165	967	N.D.	
50) DIETHYLPHTHLATE	10.79	149	3022	N.D.	
51) 4-CHLOROPHENYLPHENYL ETHER	0.00	204	0	N.D.	

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120917.D
Acq On : 12 Jan 2009 6:54 pm
Operator : J. Aquilina
Sample : bn smp 082.05*30 33g tcl
Misc : 1/9/09
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jan 13 09:34:43 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
52) FLUORENE	10.90	166	824	N.D.		
53) 4-NITROANILINE	0.00	138	0	N.D.		
55) 4,6-DINITRO-2-METHYLPHENOL	0.00	198	0	N.D.		
56) N-NITROSODIPHENYLAMINE	0.00	168	0	N.D.		
57) 1,2 DIPHENYLHYDRAZINE	11.11	77	3045	N.D.		
59) 4-BROMOPHENYLPHENYL ETHER	0.00	248	0	N.D.		
60) HEXACHLOROBENZENE	0.00	284	0	N.D.		
61) PENTACHLOROPHENOL CCC	0.00	266	0	N.D.		
62) PHENANTHRENE	12.01	178	4239	N.D.		
63) ANTHRACENE	12.08	178	1012	N.D.		
64) CARBAZOLE	12.35	167	180	N.D.		
65) DI-N-BUTYLPHTHALATE	12.75	149	25228	0.20 PPB	#	92
66) FLUORANTHENE CCC	13.60	202	8194	0.12 PPB		98
68) BENZIDINE	0.00	184	0	N.D.		
69) PYRENE	13.94	202	7994	0.11 PPB		96
71) BUTYLBENZYLPHTHALATE	15.11	149	4569	N.D.		
72) BIS(2-ETHYLHEXYL)PHTHALATE	16.39	149	35076	0.45 PPB		92
73) BENZO(A)ANTHRACENE	16.20	228	7316	0.12 PPB	#	66
74) CHRYSENE	16.23	228	5225	N.D.		
76) 3,3'-DICHLOROBENZIDINE	0.00	252	0	N.D.		
77) DI-N-OCTYL PHTHALATE CCC	17.86	149	1614	N.D.		
78) BENZO(B)FLOURANTHENE	18.70	252	3132	N.D.		
79) BENZO(K)FLUORANTHENE	18.74	252	6750	0.14 PPB	#	55
80) BENZO(A)PYRENE CCC	19.44	252	2451	N.D.		
81) DIBENZO(A,H)ANTHRACENE	0.00	278	0	N.D.		
82) INDENO(1,2,3-CD)PYRENE	0.00	276	0	N.D.		
83) BENZO(G,H,I)PERYLENE	0.00	276	0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (No Status)

Data Path : C:\MSDChem\1\DATA\jan09\011209bz\
Data File : 01120917.D
Acq On : 12 Jan 2009 6:54 pm
Operator : J. Aquilina
Sample : bn smp 082.05*30 33g tcl
Misc : 1/9/09
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jan 13 09:31:58 2009
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.64	150	1190737	40.00	PPB	-0.10
2) NAPHTHALENE-d8 INT. STD.	8.11	136	2909695	40.00	PPB	-0.10
4) ACENAPHTHENE-d10 INT. STD.	10.22	162	1395728	40.00	PPB	-0.09
6) PHENANTHRENE-d10 INT. STD.	11.99	188	2059861	40.00	PPB	-0.08
7) CHRYSENE-d12 INT. STD.	16.19	240	1994149	40.00	PPB	-0.13
10) PERYLENE-d12 INT. STD.	19.52	264	1382321	40.00	PPB	-0.13
System Monitoring Compounds						
3) NITROBENZENE-d5 SURR.	7.31	82	1645574	66.04	PPB	-0.11
5) 2-FLUOROBIPHENYL SURR.	9.41	172	2868548	70.15	PPB	-0.10
9) TERPHENYL-d14 SURR.	14.20	244	2621079	62.84	PPB	-0.11
Target Compounds						Qvalue
8) BENZIDINE	0.00	184	0	N.D.		
11) 3,3'-DICHLOROBENZIDINE	0.00	252	0	N.D.		

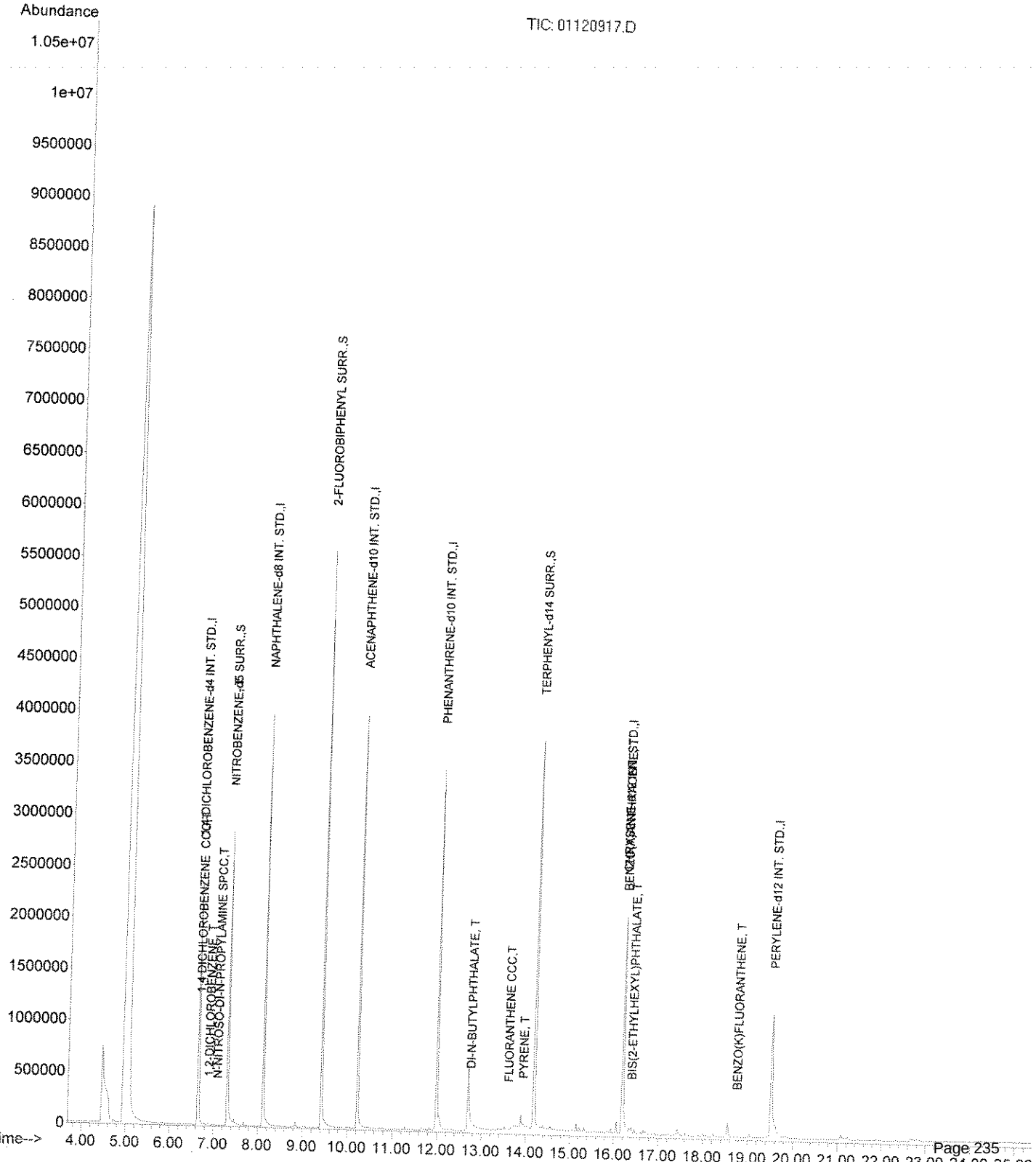
(#) = qualifier out of range (m) = manual integration (+) = signals summed

BZ111208.M Tue Jan 13 09:32:01 2009 J

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120917.D
Acq On : 12 Jan 2009 6:54 pm
Operator : J. Aquilina
Sample : bn smp 082.05*30 33g tcl
Misc : 1/9/09
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jan 13 09:34:43 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration



33120108.M Tue Jan 13 09:34:43 2009 J

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120918.D
Acq On : 12 Jan 2009 7:29 pm
Operator : J. Aquilina
Sample : bn smp 082.06*30 33g tcl
Misc : 1/9/09
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 13 09:34:45 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration

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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.64	150	1161758	40.00 PPB	-0.07
19) NAPHTHALENE-d8 INT. STD.	8.11	136	2774514	40.00 PPB	-0.06
35) ACENAPHTHENE-d10 INT. STD.	10.22	162	1376034	40.00 PPB	-0.05
54) PHENANTHRENE-d10 INT. STD.	11.98	188	2038755	40.00 PPB	-0.05
67) CHRYSENE-d12 INT. STD.	16.20	240	1973969	40.00 PPB	-0.08
75) PERYLENE-d12 INT. STD.	19.51	264	1242014	40.00 PPB	-0.09
System Monitoring Compounds					
4) 2-FLUOROPHENOL SURR.	0.00	112	0	0.00 PPB	
5) PHENOL-d6 SURR.	0.00	99	0	0.00 PPB	
20) NITROBENZENE-d5 SURR.	7.30	82	1819556	70.86 PPB	-0.06
39) 2-FLUOROBIPHENYL SURR.	9.41	172	3147644	78.02 PPB	-0.06
58) 2,4,6 TRIBROMOPHENOL SURR.	0.00	330	0	0.00 PPB	
70) TERPHENYL-d14 SURR.	14.20	244	2979293	75.57 PPB	-0.06
Target Compounds					Qvalue
2) N-NITROSODIMETHYLAMINE	0.00	74	0	N.D.	
3) PYRIDINE	0.00	79	0	N.D.	
6) PHENOL CCC	0.00	94	0	N.D.	
7) aniline	0.00	93	0	N.D.	
8) BIS(2-CHLOROETHYL)ETHER	0.00	93	0	N.D.	
9) 2-CHLOROPHENOL	0.00	128	0	N.D.	
10) 1,3 DICHLOROBENZENE	6.62	146	213	N.D.	
11) 1,4 DICHLOROBENZENE CCC	6.66	146	463	N.D.	
12) benzyl alcohol	0.00	79	0	N.D.	
13) 1,2-DICHLOROBENZENE	6.88	146	617	N.D.	
14) 2-METHYLPHENOL	0.00	108	0	N.D.	
15) BIS(2-CHLOROISOPROPYL)ETHE	0.00	45	0	N.D.	
16) 4-METHYLPHENOL	0.00	107	0	N.D.	
17) N-NITROSO-DI-N-PROPYLAMINE	7.15	43	2418	0.15 PPB #	8
18) HEXACHLOROETHANE	0.00	117	0	N.D.	
21) NITROBENZENE	7.30	77	5329	0.19 PPB #	47
22) ISOPHORONE	0.00	82	0	N.D.	
23) 2,4 DIMETHYLPHENOL	0.00	107	0	N.D.	
24) Benzoic Acid	8.12	105	1147	N.D.	
25) 2-NITROPHENOL	0.00	139	0	N.D.	
26) BIS(2-CHLOROETHOXY)METHANE	0.00	93	0	N.D.	
27) 2,4 DICHLOROPHENOL CCC	0.00	162	0	N.D.	
28) 1,2,4 TRICHLOROBENZENE	0.00	180	0	N.D.	
29) NAPHTHALENE	8.14	128	2166	N.D.	
30) 4-CHLOROANILINE	0.00	127	0	N.D.	
31) HEXACHLOROBUTADIENE CCC	0.00	225	0	N.D.	
32) 4-CHLORO-3-METHYLPHENOL CC	0.00	107	0	N.D.	
33) 2-METHYLNAPHTHALENE	8.99	142	1087	N.D.	
34) 2-NITROANILINE	0.00	138	0	N.D.	
36) HEXACHLOROCYCLOPENTADIENE	0.00	237	0	N.D.	
37) 2,4,6-TRICHLOROPHENOL CCC	0.00	196	0	N.D.	
38) 2,4,5 TRICHLOROPHENOL	0.00	196	0	N.D.	
40) 2-CHLORONAPHTHALENE	0.00	162	0	N.D.	
41) DIMETHYLPHTHALATE	0.00	163	0	N.D.	
42) 2,6 DINITROTOLUENE	0.00	165	0	N.D.	
43) ACENAPHTHYLENE	10.05	152	1433	N.D.	
44) 3-NITROANILINE	0.00	65	0	N.D.	
45) ACENAPHTHENE CCC	10.25	153	526	N.D.	
46) 2,4-DINITROPHENOL SPCC	0.00	184	0	N.D.	
47) 4-NITROPHENOL SPCC	0.00	65	0	N.D.	
48) DIBENZOFURAN	10.51	168	977	N.D.	
49) 2,4 DINITROTOLUENE	0.00	165	0	N.D.	
50) DIETHYLPHTHLATE	10.79	149	3558	N.D.	
51) 4-CHLOROPHENYLPHENYL ETHER	0.00	204	0	N.D.	

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120918.D
Acq On : 12 Jan 2009 7:29 pm
Operator : J. Aquilina
Sample : bn smp 082.06*30 33g tcl
Misc : 1/9/09
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 13 09:34:45 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
52) FLUORENE	10.91	166	250	N.D.	
53) 4-NITROANILINE	0.00	138	0	N.D.	
55) 4,6-DINITRO-2-METHYLPHENOL	0.00	198	0	N.D.	
56) N-NITROSODIPHENYLAMINE	0.00	168	0	N.D.	
57) 1,2 DIPHENYLHYDRAZINE	11.08	77	456	N.D.	
59) 4-BROMOPHENYLPHENYL ETHER	0.00	248	0	N.D.	
60) HEXACHLOROBENZENE	0.00	284	0	N.D.	
61) PENTACHLOROPHENOL CCC	0.00	266	0	N.D.	
62) PHENANTHRENE	12.01	178	1874	N.D.	
63) ANTHRACENE	12.07	178	179	N.D.	
64) CARBAZOLE	0.00	167	0	N.D.	
65) DI-N-BUTYLPHTHALATE	12.74	149	17435	0.14 PPB	92
66) FLUORANTHENE CCC	13.64	202	614	N.D.	
68) BENZIDINE	0.00	184	0	N.D.	
69) PYRENE	13.97	202	433	N.D.	
71) BUTYLBENZYLPHTHALATE	15.12	149	2499	N.D.	
72) BIS(2-ETHYLHEXYL)PHTHALATE	16.39	149	24428	0.32 PPB	94
73) BENZO(A)ANTHRACENE	16.20	228	5461	N.D.	
74) CHRYSENE	16.20	228	5461	N.D.	
76) 3,3'-DICHLOROBENZIDINE	0.00	252	0	N.D.	
77) DI-N-OCTYL PHTHALATE CCC	17.84	149	241	N.D.	
78) BENZO(B)FLOURANTHENE	0.00	252	0	N.D.	
79) BENZO(K)FLUORANTHENE	0.00	252	0	N.D.	
80) BENZO(A)PYRENE CCC	0.00	252	0	N.D.	
81) DIBENZO(A,H)ANTHRACENE	0.00	278	0	N.D.	
82) INDENO(1,2,3-CD)PYRENE	0.00	276	0	N.D.	
83) BENZO(G,H,I)PERYLENE	0.00	276	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (No Status)

Data Path : C:\MSDChem\1\DATA\jan09\011209bz\
Data File : 01120918.D
Acq On : 12 Jan 2009 7:29 pm
Operator : J. Aquilina
Sample : bn smp 082.06*30 33g tcl
Misc : 1/9/09
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 13 09:32:06 2009
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.64	150	1162039	40.00	PPB	-0.10
2) NAPHTHALENE-d8 INT. STD.	8.11	136	2774514	40.00	PPB	-0.10
4) ACENAPHTHENE-d10 INT. STD.	10.22	162	1372204	40.00	PPB	-0.09
6) PHENANTHRENE-d10 INT. STD.	11.98	188	2036647	40.00	PPB	-0.09
7) CHRYSENE-d12 INT. STD.	16.20	240	1969547	40.00	PPB	-0.12
10) PERYLENE-d12 INT. STD.	19.51	264	1361385	40.00	PPB	-0.14
System Monitoring Compounds						
3) NITROBENZENE-d5 SURR.	7.30	82	1819556	76.58	PPB	-0.11
5) 2-FLUOROBIPHENYL SURR.	9.41	172	3160246	78.61	PPB	-0.10
9) TERPHENYL-d14 SURR.	14.20	244	2985467	72.46	PPB	-0.11
Target Compounds						Qvalue
8) BENZIDINE	0.00	184	0	N.D.		
11) 3,3'-DICHLOROBENZIDINE	0.00	252	0	N.D.		

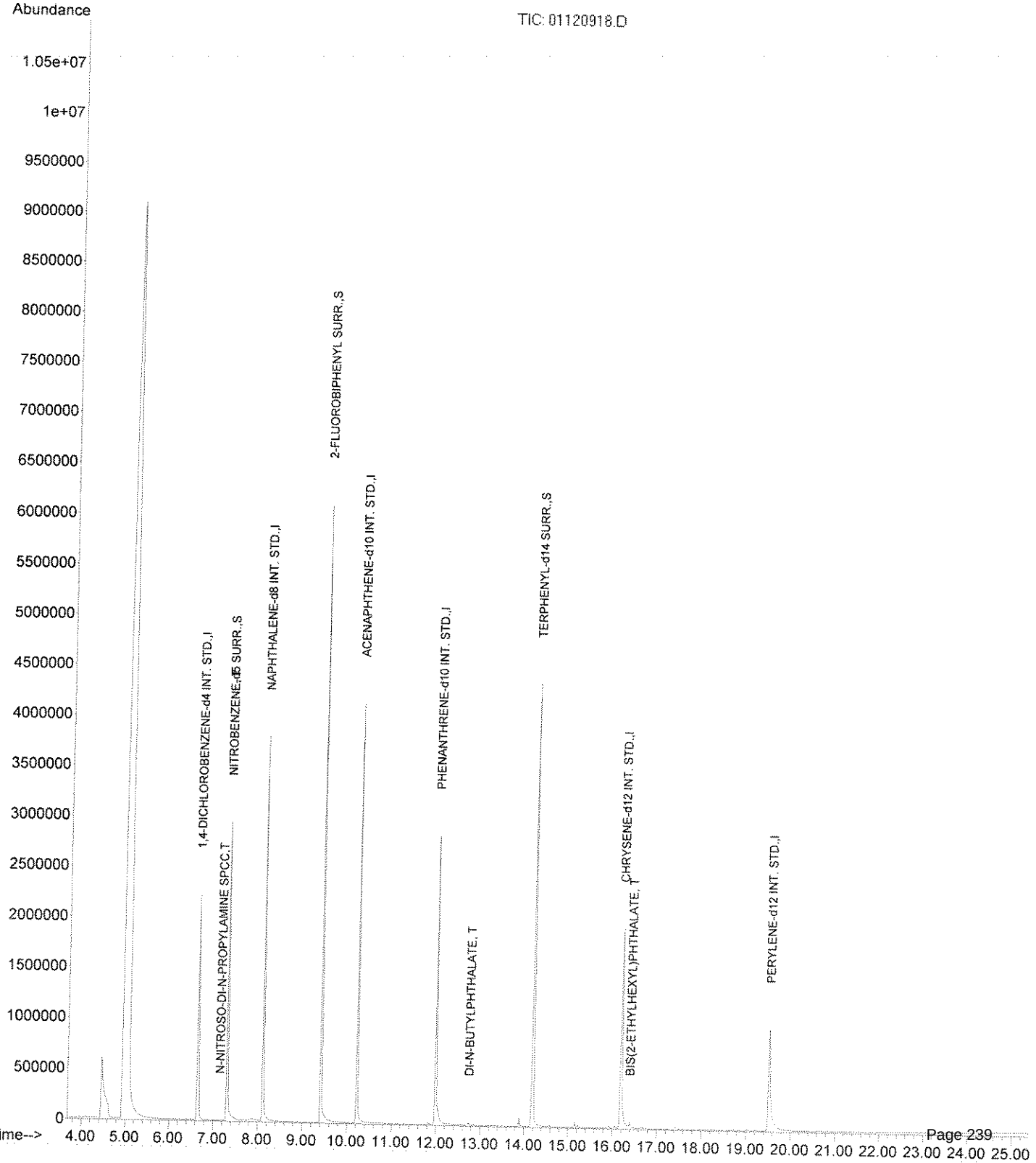
(#) = qualifier out of range (m) = manual integration (+) = signals summed

BZ111208.M Tue Jan 13 09:32:09 2009 J

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120918.D
Acq On : 12 Jan 2009 7:29 pm
Operator : J. Aquilina
Sample : bn smp 082.06*30 33g tcl
Misc : 1/9/09
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 13 09:34:45 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration



G3120108.M Tue Jan 13 09:34:45 2009 J

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120919.D
Acq On : 12 Jan 2009 8:03 pm
Operator : J. Aquilina
Sample : bn smp 082.07*30 33g tcl
Misc : 1/9/09
ALS Vial : 20 Sample Multiplier: 1

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Quant Time: Jan 13 09:34:47 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.64	150	1085732	40.00 PPB	-0.07
19) NAPHTHALENE-d8 INT. STD.	8.11	136	2690218	40.00 PPB	-0.06
35) ACENAPHTHENE-d10 INT. STD.	10.22	162	1335536	40.00 PPB	-0.05
54) PHENANTHRENE-d10 INT. STD.	11.98	188	1945501	40.00 PPB	-0.05
67) CHRYSENE-d12 INT. STD.	16.18	240	1885765	40.00 PPB	-0.09
75) PERYLENE-d12 INT. STD.	19.52	264	1176848	40.00 PPB	-0.08
System Monitoring Compounds					
4) 2-FLUOROPHENOL SURR.	0.00	112	0	0.00 PPB	
5) PHENOL-d6 SURR.	0.00	99	0	0.00 PPB	
20) NITROBENZENE-d5 SURR.	7.30	82	1834841	73.69 PPB	-0.06
39) 2-FLUOROBIPHENYL SURR.	9.41	172	3177006	81.14 PPB	-0.06
58) 2,4,6 TRIBROMOPHENOL SURR.	0.00	330	0	0.00 PPB	
70) TERPHENYL-d14 SURR.	14.20	244	2851022	75.70 PPB	-0.06
Target Compounds					Qvalue
2) N-NITROSODIMETHYLAMINE	0.00	74	0	N.D.	
3) PYRIDINE	0.00	79	0	N.D.	
6) PHENOL CCC	0.00	94	0	N.D.	
7) aniline	0.00	93	0	N.D.	
8) BIS(2-CHLOROETHYL)ETHER	0.00	93	0	N.D.	
9) 2-CHLOROPHENOL	0.00	128	0	N.D.	
10) 1,3 DICHLOROBENZENE	0.00	146	0	N.D.	
11) 1,4 DICHLOROBENZENE CCC	0.00	146	0	N.D.	
12) benzyl alcohol	6.78	79	459	N.D.	
13) 1,2-DICHLOROBENZENE	6.90	146	466	N.D.	
14) 2-METHYLPHENOL	0.00	108	0	N.D.	
15) BIS(2-CHLOROISOPROPYL)ETHE	0.00	45	0	N.D.	
16) 4-METHYLPHENOL	0.00	107	0	N.D.	
17) N-NITROSO-DI-N-PROPYLAMINE	7.13	43	1375	N.D.	
18) HEXACHLOROETHANE	0.00	117	0	N.D.	
21) NITROBENZENE	7.30	77	5391	0.19 PPB #	28
22) ISOPHORONE	0.00	82	0	N.D.	
23) 2,4 DIMETHYLPHENOL	0.00	107	0	N.D.	
24) Benzoic Acid	8.12	105	1529	N.D.	
25) 2-NITROPHENOL	0.00	139	0	N.D.	
26) BIS(2-CHLOROETHOXY)METHANE	0.00	93	0	N.D.	
27) 2,4 DICHLOROPHENOL CCC	0.00	162	0	N.D.	
28) 1,2,4 TRICHLOROBENZENE	0.00	180	0	N.D.	
29) NAPHTHALENE	8.13	128	2834	N.D.	
30) 4-CHLOROANILINE	8.13	127	246	N.D.	
31) HEXACHLOROBUTADIENE CCC	0.00	225	0	N.D.	
32) 4-CHLORO-3-METHYLPHENOL CC	0.00	107	0	N.D.	
33) 2-METHYLNAPHTHALENE	9.00	142	827	N.D.	
34) 2-NITROANILINE	0.00	138	0	N.D.	
36) HEXACHLOROCYCLOPENTADIENE	0.00	237	0	N.D.	
37) 2,4,6-TRICHLOROPHENOL CCC	0.00	196	0	N.D.	
38) 2,4,5 TRICHLOROPHENOL	0.00	196	0	N.D.	
40) 2-CHLORONAPHTHALENE	0.00	162	0	N.D.	
41) DIMETHYLPHTHALATE	0.00	163	0	N.D.	
42) 2,6 DINITROTOLUENE	0.00	165	0	N.D.	
43) ACENAPHTHYLENE	10.05	152	1898	N.D.	
44) 3-NITROANILINE	0.00	65	0	N.D.	
45) ACENAPHTHENE CCC	0.00	153	0	N.D.	
46) 2,4-DINITROPHENOL SPCC	0.00	184	0	N.D.	
47) 4-NITROPHENOL SPCC	0.00	65	0	N.D.	
48) DIBENZOFURAN	10.53	168	739	N.D.	
49) 2,4 DINITROTOLUENE	10.49	165	936	N.D.	
50) DIETHYLPHTHLATE	10.79	149	2833	N.D.	
51) 4-CHLOROPHENYLPHENYL ETHER	0.00	204	0	N.D.	

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Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120919.D
Acq On : 12 Jan 2009 8:03 pm
Operator : J. Aquilina
Sample : bn smp 082.07*30 33g tcl
Misc : 1/9/09
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jan 13 09:34:47 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
52) FLUORENE	0.00	166	0	N.D.	
53) 4-NITROANILINE	0.00	138	0	N.D.	
55) 4,6-DINITRO-2-METHYLPHENOL	0.00	198	0	N.D.	
56) N-NITROSODIPHENYLAMINE	0.00	168	0	N.D.	
57) 1,2 DIPHENYLHYDRAZINE	11.08	77	219	N.D.	
59) 4-BROMOPHENYLPHENYL ETHER	0.00	248	0	N.D.	
60) HEXACHLOROBENZENE	0.00	284	0	N.D.	
61) PENTACHLOROPHENOL CCC	0.00	266	0	N.D.	
62) PHENANTHRENE	12.01	178	7661	0.12 PPB #	62
63) ANTHRACENE	12.01	178	7661	0.11 PPB #	62
64) CARBAZOLE	0.00	167	0	N.D.	
65) DI-N-BUTYLPHTHALATE	12.75	149	14391	0.12 PPB	91
66) FLUORANTHENE CCC	13.61	202	5230	N.D.	
68) BENZIDINE	0.00	184	0	N.D.	
69) PYRENE	13.95	202	4391	N.D.	
71) BUTYLBENZYLPHTHALATE	15.12	149	3569	N.D.	
72) BIS(2-ETHYLHEXYL)PHTHALATE	16.39	149	21417	0.29 PPB	94
73) BENZO(A)ANTHRACENE	16.18	228	6231	0.11 PPB #	66
74) CHRYSENE	16.24	228	6566	0.12 PPB	91
76) 3,3'-DICHLOROBENZIDINE	0.00	252	0	N.D.	
77) DI-N-OCTYL PHTHALATE CCC	17.91	149	3236	N.D.	
78) BENZO(B)FLOURANTHENE	18.71	252	4687	0.10 PPB #	70
79) BENZO(K)FLUORANTHENE	18.75	252	4687	0.10 PPB #	55
80) BENZO(A)PYRENE CCC	19.32	252	2193	N.D.	
81) DIBENZO(A,H)ANTHRACENE	0.00	278	0	N.D.	
82) INDENO(1,2,3-CD)PYRENE	0.00	276	0	N.D.	
83) BENZO(G,H,I)PERYLENE	0.00	276	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (No Status)

Data Path : C:\MSDChem\1\DATA\jan09\011209bz\
Data File : 01120919.D
Acq On : 12 Jan 2009 8:03 pm
Operator : J. Aquilina
Sample : bn smp 082.07*30 33g tcl
Misc : 1/9/09
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jan 13 09:32:24 2009
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.64	150	1088454	40.00	PPB	-0.10
2) NAPHTHALENE-d8 INT. STD.	8.11	136	2690218	40.00	PPB	-0.10
4) ACENAPHTHENE-d10 INT. STD.	10.22	162	1330788	40.00	PPB	-0.09
6) PHENANTHRENE-d10 INT. STD.	11.98	188	1938359	40.00	PPB	-0.09
7) CHRYSENE-d12 INT. STD.	16.18	240	1881294	40.00	PPB	-0.13
10) PERYLENE-d12 INT. STD.	19.52	264	1304273	40.00	PPB	-0.13
System Monitoring Compounds						
3) NITROBENZENE-d5 SURR.	7.30	82	1842008	79.95	PPB	-0.11
5) 2-FLUOROBIPHENYL SURR.	9.41	172	3189418	81.81	PPB	-0.10
9) TERPHENYL-d14 SURR.	14.20	244	2851022	72.45	PPB	-0.11
Target Compounds						Qvalue
8) BENZIDINE	0.00	184	0	N.D.		
11) 3,3'-DICHLOROBENZIDINE	0.00	252	0	N.D.		

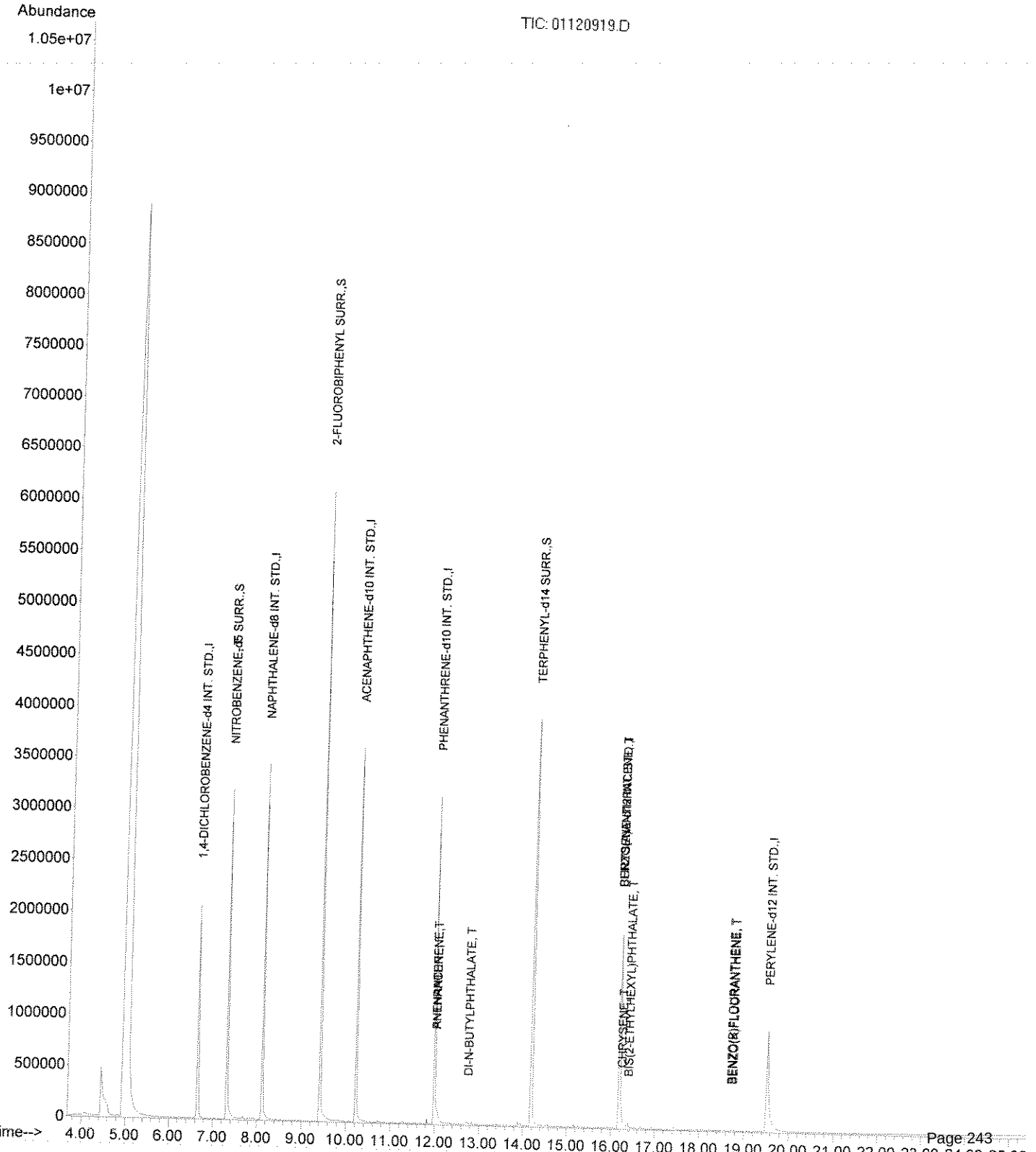
(#) = qualifier out of range (m) = manual integration (+) = signals summed

BZ111208.M Tue Jan 13 09:32:27 2009 J

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120919.D
Acq On : 12 Jan 2009 8:03 pm
Operator : J. Aquilina
Sample : bn smp 082.07*30 33g tcl
Misc : 1/9/09
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jan 13 09:34:47 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration



G3120108.M Tue Jan 13 09:34:47 2009 J

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120920.D
Acq On : 12 Jan 2009 8:37 pm
Operator : J. Aquilina
Sample : bn smp 082.09*30 33g tcl
Misc : 1/9/09
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jan 13 09:34:49 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.64	150	1231297	40.00 PPB	-0.06
19) NAPHTHALENE-d8 INT. STD.	8.12	136	2863720	40.00 PPB	-0.06
35) ACENAPHTHENE-d10 INT. STD.	10.22	162	1368009	40.00 PPB	-0.05
54) PHENANTHRENE-d10 INT. STD.	11.99	188	1720335	40.00 PPB	-0.05
67) CHRYSENE-d12 INT. STD.	16.21	240	1641472	40.00 PPB	-0.06
75) PERYLENE-d12 INT. STD.	19.55	264	963778	40.00 PPB	-0.05
System Monitoring Compounds					
4) 2-FLUOROPHENOL SURR.	0.00	112	0	0.00 PPB	
5) PHENOL-d6 SURR.	6.38	99	0m	0.00 PPB	
20) NITROBENZENE-d5 SURR.	7.31	82	1730572	65.29 PPB	-0.06
39) 2-FLUOROBIPHENYL SURR.	9.41	172	2839122	70.79 PPB	-0.06
58) 2,4,6 TRIBROMOPHENOL SURR.	0.00	330	0	0.00 PPB	
70) TERPHENYL-d14 SURR.	14.21	244	2454404	74.87 PPB	-0.06
Target Compounds					Qvalue
2) N-NITROSODIMETHYLAMINE	0.00	74	0	N.D.	
3) PYRIDINE	3.90	79	1495	N.D.	
6) PHENOL CCC	0.00	94	0	N.D.	
7) aniline	6.35	93	235	N.D.	
8) BIS(2-CHLOROETHYL)ETHER	6.35	93	235	N.D.	
9) 2-CHLOROPHENOL	0.00	128	0	N.D.	
10) 1,3 DICHLOROBENZENE	6.61	146	9860	0.34 PPB #	67
11) 1,4 DICHLOROBENZENE CCC	6.72	146	0	N.D.	
12) benzyl alcohol	6.75	79	1864	N.D.	
13) 1,2-DICHLOROBENZENE	6.87	146	340574	12.01 PPB 360	97
14) 2-METHYLPHENOL	6.87	108	2092	N.D.	
15) BIS(2-CHLOROISOPROPYL)ETHE	6.99	45	1196	N.D.	
16) 4-METHYLPHENOL	0.00	107	0	N.D.	
17) N-NITROSO-DI-N-PROPYLAMINE	7.16	43	0	N.D.	
18) HEXACHLOROETHANE	7.22	117	1721	0.14 PPB #	1
21) NITROBENZENE	7.31	77	6324	0.21 PPB #	49
22) ISOPHORONE	7.60	82	2322	N.D.	
23) 2,4 DIMETHYLPHENOL	7.81	107	3025	0.13 PPB #	16
24) Benzoic Acid	7.94	105	0	N.D.	
25) 2-NITROPHENOL	0.00	139	0	N.D.	
26) BIS(2-CHLOROETHOXY)METHANE	7.85	93	1066	N.D.	
27) 2,4 DICHLOROPHENOL CCC	8.10	162	237	N.D.	
28) 1,2,4 TRICHLOROBENZENE	8.07	180	6560	0.27 PPB	93
29) NAPHTHALENE	8.14	128	52806	0.69 PPB #	70
30) 4-CHLOROANILINE	8.20	127	626	N.D.	
31) HEXACHLOROBUTADIENE CCC	0.00	225	0	N.D.	
32) 4-CHLORO-3-METHYLPHENOL CC	8.83	107	1460	N.D.	
33) 2-METHYLNAPHTHALENE	8.95	142	52280	0.98 PPB	98
34) 2-NITROANILINE	9.66	138	317	N.D.	
36) HEXACHLOROCYCLOPENTADIENE	0.00	237	0	N.D.	
37) 2,4,6-TRICHLOROPHENOL CCC	0.00	196	0	N.D.	
38) 2,4,5 TRICHLOROPHENOL	0.00	196	0	N.D.	
40) 2-CHLORONAPHTHALENE	9.54	162	243	N.D.	
41) DIMETHYLPHTHALATE	9.95	163	1806	N.D.	
42) 2,6 DINITROTOLUENE	10.02	165	1219	N.D.	
43) ACENAPHTHYLENE	10.04	152	14681	0.19 PPB	66
44) 3-NITROANILINE	9.71	65	512	N.D.	
45) ACENAPHTHENE CCC	10.25	153	2250	N.D.	
46) 2,4-DINITROPHENOL SPCC	0.00	184	0	N.D.	
47) 4-NITROPHENOL SPCC	10.60	65	1185	0.14 PPB #	73
48) DIBENZOFURAN	10.46	168	6318	N.D.	
49) 2,4 DINITROTOLUENE	10.53	165	1347	N.D.	
50) DIETHYLPHTHLATE	10.77	149	4738	N.D.	
51) 4-CHLOROPHENYLPHENYL ETHER	10.86	204	871	N.D.	

3120108.M Tue Jan 13 09:34:49 2009 J

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120920.D
Acq On : 12 Jan 2009 8:37 pm
Operator : J. Aquilina
Sample : bn smp 082.09*30 33g tcl
Misc : 1/9/09
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jan 13 09:34:49 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
52) FLUORENE	10.87	166	3562	N.D.		
53) 4-NITROANILINE	10.95	138	432	N.D.		
55) 4,6-DINITRO-2-METHYLPHENOL	11.06	198	198	N.D.		
56) N-NITROSODIPHENYLAMINE	10.94	168	8804	0.38 PPB		89
57) 1,2 DIPHENYLHYDRAZINE	11.05	77	2475	N.D.		
59) 4-BROMOPHENYLPHENYL ETHER	11.43	248	1323	0.12 PPB	#	39
60) HEXACHLOROBENZENE	0.00	284	0	N.D.		
61) PENTACHLOROPHENOL CCC	0.00	266	0	N.D.		
62) PHENANTHRENE	12.01	178	39325	0.68 PPB		90
63) ANTHRACENE	12.07	178	8967	0.15 PPB	#	77
64) CARBAZOLE	12.30	167	3157	N.D.		
65) DI-N-BUTYLPHTHALATE	12.74	149	22850	0.22 PPB	#	44
66) FLUORANTHENE CCC	13.58	202	73050	1.24 PPB	37	96
68) BENZIDINE	13.37	184	1258	No Calib	#	
69) PYRENE	13.92	202	108652	1.83 PPB	55	98
71) BUTYLBENZYLPHTHALATE	15.12	149	22101	0.47 PPB		91
72) BIS(2-ETHYLHEXYL)PHTHALATE	16.40	149	38508	0.60 PPB	#	73
73) BENZO(A)ANTHRACENE	16.17	228	39458	0.80 PPB		78
74) CHRYSENE	16.25	228	46665m	0.96 PPB		
76) 3,3'-DICHLOROBENZIDINE	16.11	252	1383	No Calib	#	
77) DI-N-OCTYL PHTHALATE CCC	17.87	149	6696	N.D.		
78) BENZO(B)FLOURANTHENE	18.68	252	33134m	0.88 PPB		
79) BENZO(K)FLUORANTHENE	18.71	252	25096m	0.68 PPB		
80) BENZO(A)PYRENE CCC	19.43	252	22410	0.70 PPB	#	72
81) DIBENZO(A,H)ANTHRACENE	21.90	278	295	N.D.		
82) INDENO(1,2,3-CD)PYRENE	22.13	276	8520	0.30 PPB		90
83) BENZO(G,H,I)PERYLENE	22.65	276	11142	0.43 PPB		77

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (No Status)

Data Path : C:\MSDChem\1\DATA\jan09\011209bz\
Data File : 01120920.D
Acq On : 12 Jan 2009 8:37 pm
Operator : J. Aquilina
Sample : bn smp 082.09*30 33g tcl
Misc : 1/9/09
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jan 13 09:32:33 2009
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.64	150	1219640	40.00 PPB	-0.10
2) NAPHTHALENE-d8 INT. STD.	8.12	136	2863720	40.00 PPB	-0.10
4) ACENAPHTHENE-d10 INT. STD.	10.22	162	1368009	40.00 PPB	-0.09
6) PHENANTHRENE-d10 INT. STD.	11.99	188	1720335	40.00 PPB	-0.08
7) CHRYSENE-d12 INT. STD.	16.21	240	1640835	40.00 PPB	-0.11
10) PERYLENE-d12 INT. STD.	19.55	264	994343	40.00 PPB	-0.10
System Monitoring Compounds					
3) NITROBENZENE-d5 SURR.	7.31	82	1734142	70.71 PPB	-0.10
5) 2-FLUOROBIPHENYL SURR.	9.41	172	2839122	70.84 PPB	-0.10
9) TERPHENYL-d14 SURR.	14.21	244	2456196	71.56 PPB	-0.10
Target Compounds					Qvalue
8) BENZIDINE	14.00	184	1473	N.D.	
11) 3,3'-DICHLOROBENZIDINE	16.23	252	1634	N.D.	

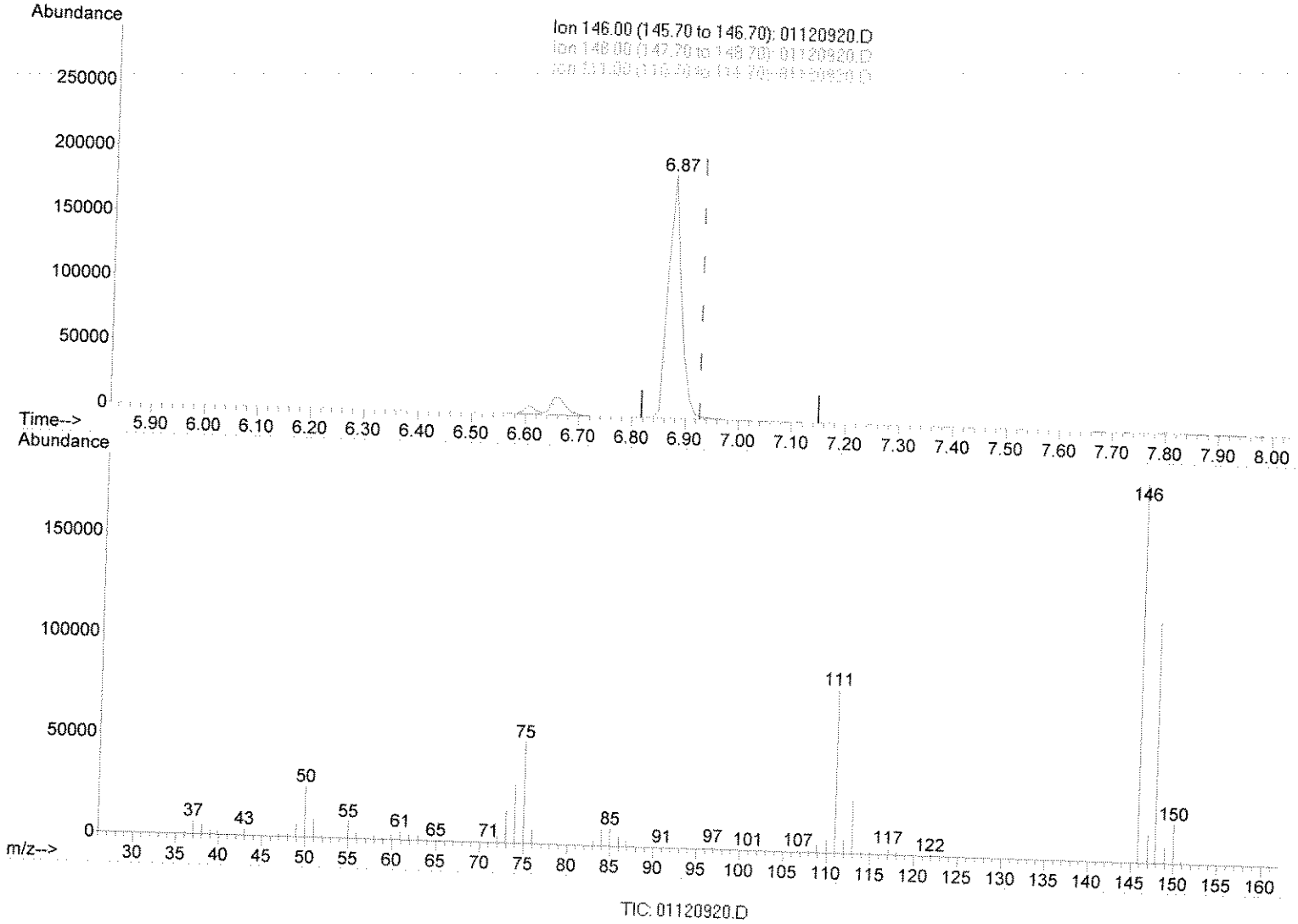
(#) = qualifier out of range (m) = manual integration (+) = signals summed

BZ111208.M Tue Jan 13 09:32:37 2009 J

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120920.D
Acq On : 12 Jan 2009 8:37 pm
Operator : J. Aquilina
Sample : bn smp 082.09*30 33g tcl
Misc : 1/9/09
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jan 13 09:34:49 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration



TIC: 01120920.D

(13) 1,2-DICHLOROBENZENE (T)

6.873min (-0.055) 12.01PPB

response 340574

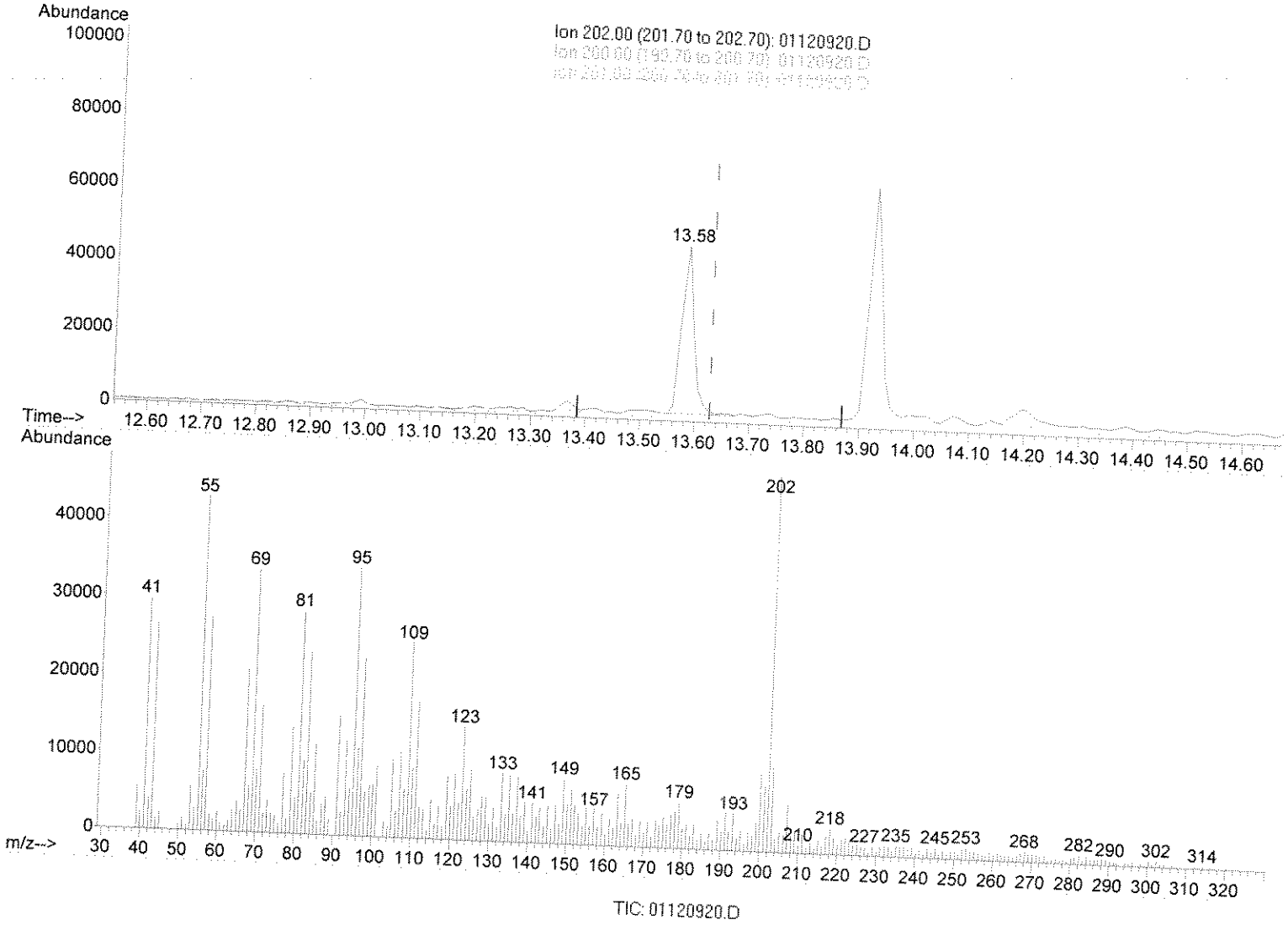
Ion	Exp%	Act%
146.00	100	100
148.00	64.50	64.82
111.00	48.80	44.63
0.00	0.00	0.00

3120108.M Wed Jan 14 14:19:37 2009 J

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120920.D
Acq On : 12 Jan 2009 8:37 pm
Operator : J. Aquilina
Sample : bn smp 082.09*30 33g tcl
Misc : 1/9/09
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jan 13 09:34:49 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration



TIC: 01120920.D

(66) FLUORANTHENE CCC (T)

13.582min (-0.046) 1.24PPB

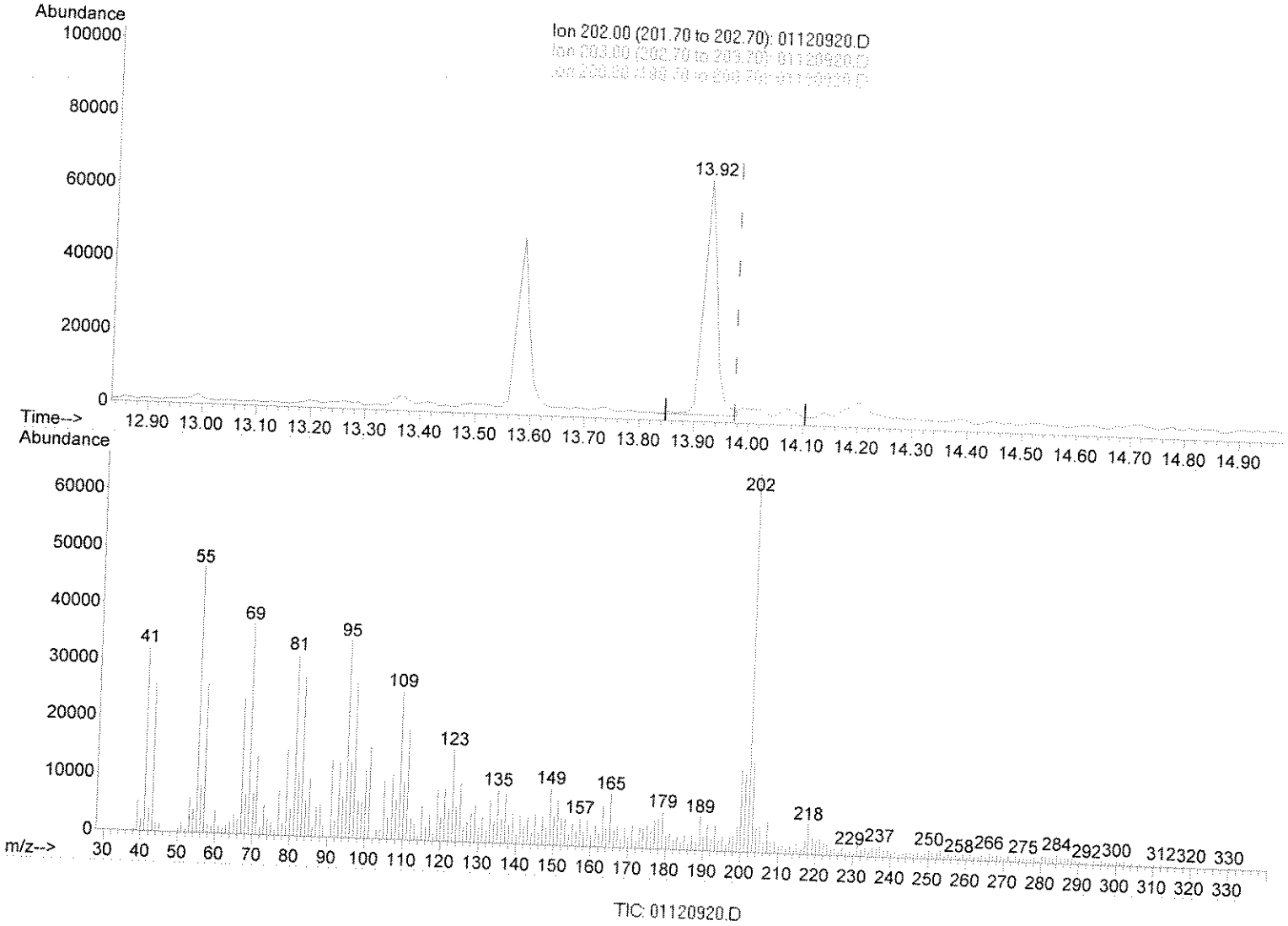
response 73050

Ion	Exp%	Act%
202.00	100	100
200.00	19.50	20.21
201.00	13.80	16.40
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120920.D
Acq On : 12 Jan 2009 8:37 pm
Operator : J. Aquilina
Sample : bn smp 082.09*30 33g tcl
Misc : 1/9/09
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jan 13 09:34:49 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration



TIC: 01120920.D

(69) PYRENE (T)

13.922min (-0.054) 1.83PPB

response 108652

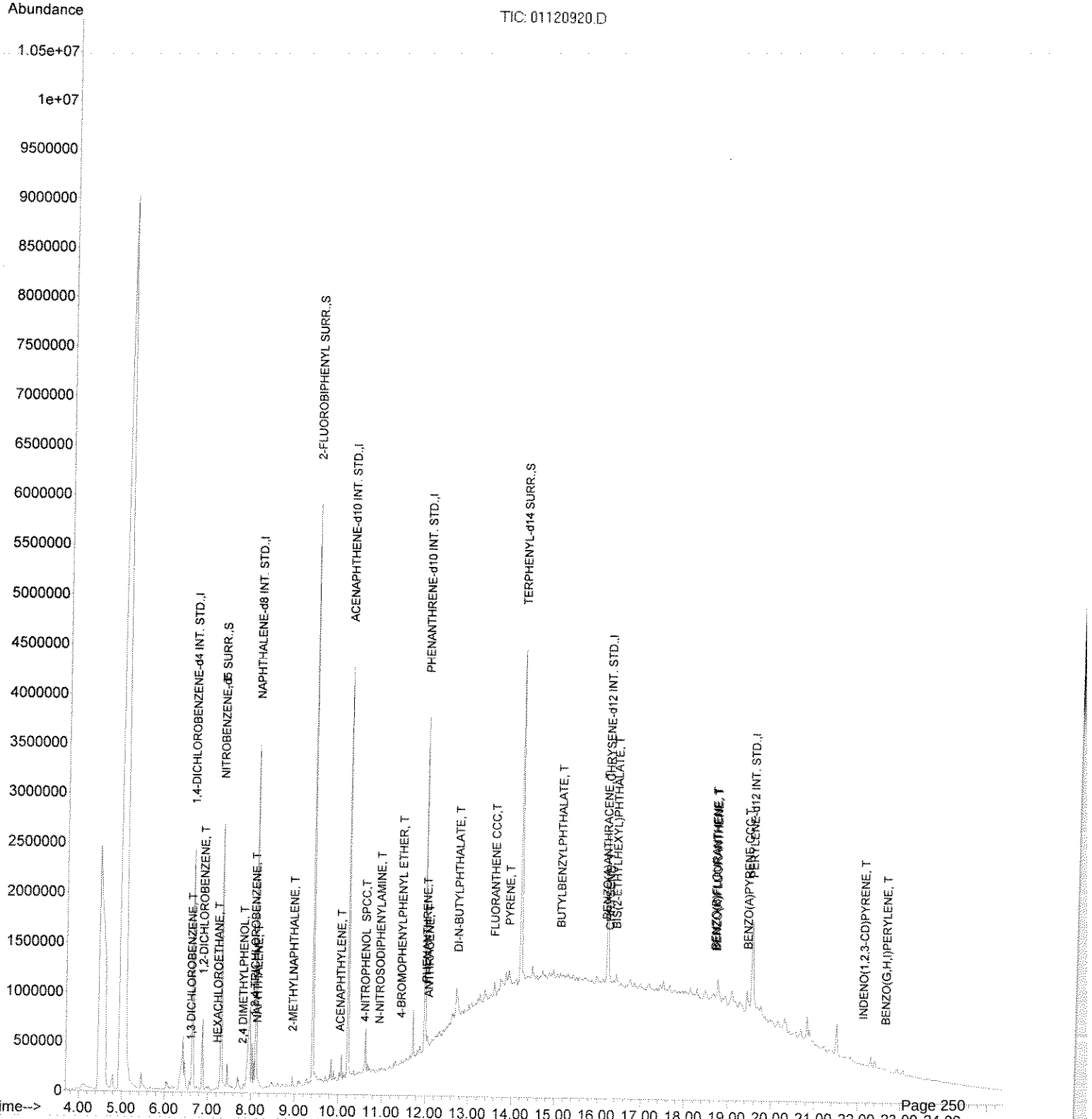
Ion	Exp%	Act%
202.00	100	100
203.00	17.70	18.63
200.00	20.00	20.66
0.00	0.00	0.00

3120108.M Wed Jan 14 14:20:08 2009 J

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120920.D
Acq On : 12 Jan 2009 8:37 pm
Operator : J. Aquilina
Sample : bn smp 082.09*30 33g tcl
Misc : 1/9/09
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jan 13 09:34:49 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration



G3120108.M Tue Jan 13 09:34:49 2009 J

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120921.D
Acq On : 12 Jan 2009 9:11 pm
Operator : J. Aquilina
Sample : bn smp 082.08*30 33g tcl
Misc : 1/9/09
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jan 13 09:34:51 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.64	150	1154926	40.00 PPB	-0.06
19) NAPHTHALENE-d8 INT. STD.	8.11	136	2791742	40.00 PPB	-0.06
35) ACENAPHTHENE-d10 INT. STD.	10.22	162	1369578	40.00 PPB	-0.05
54) PHENANTHRENE-d10 INT. STD.	11.98	188	1783572	40.00 PPB	-0.05
67) CHRYSENE-d12 INT. STD.	16.21	240	1486904	40.00 PPB	-0.06
75) PERYLENE-d12 INT. STD.	19.54	264	696994	40.00 PPB	-0.06
System Monitoring Compounds					
4) 2-FLUOROPHENOL SURR.	0.00	112	0	0.00 PPB	
5) PHENOL-d6 SURR.	6.36	99	2312	0.08 PPB	-0.06
20) NITROBENZENE-d5 SURR.	7.30	82	1779799	68.88 PPB	-0.06
39) 2-FLUOROBIPHENYL SURR.	9.41	172	3173859	79.04 PPB	-0.06
58) 2,4,6 TRIBROMOPHENOL SURR.	0.00	330	0	0.00 PPB	
70) TERPHENYL-d14 SURR.	14.20	244	2779341	93.59 PPB	-0.06
Target Compounds					Qvalue
2) N-NITROSODIMETHYLAMINE	0.00	74	0	N.D.	
3) PYRIDINE	3.88	79	631	N.D.	
6) PHENOL CCC	0.00	94	0	N.D.	
7) aniline	6.34	93	2318	0.13 PPB #	1
8) BIS(2-CHLOROETHYL)ETHER	6.34	93	2318	N.D.	
9) 2-CHLOROPHENOL	0.00	128	0	N.D.	
10) 1,3 DICHLOROBENZENE	6.61	146	5844	0.22 PPB #	64
11) 1,4 DICHLOROBENZENE CCC	6.66	146	19480	0.74 PPB #	54
12) benzyl alcohol	6.75	79	1817	N.D.	
13) 1,2-DICHLOROBENZENE	6.87	146	195213	7.34 PPB 220	98
14) 2-METHYLPHENOL	6.87	108	1721	N.D.	
15) BIS(2-CHLOROISOPROPYL)ETHE	6.99	45	1375	N.D.	
16) 4-METHYLPHENOL	0.00	107	0	N.D.	
17) N-NITROSO-DI-N-PROPYLAMINE	7.16	43	3742	0.24 PPB #	48
18) HEXACHLOROETHANE	7.21	117	3384	0.29 PPB #	1
21) NITROBENZENE	7.30	77	10543	0.36 PPB #	56
22) ISOPHORONE	7.65	82	3716	N.D.	
23) 2,4 DIMETHYLPHENOL	7.80	107	521	N.D.	
24) Benzoic Acid	7.92	105	0	N.D.	
25) 2-NITROPHENOL	0.00	139	0	N.D.	
26) BIS(2-CHLOROETHOXY)METHANE	7.84	93	2354	N.D.	
27) 2,4 DICHLOROPHENOL CCC	8.10	162	276	N.D.	
28) 1,2,4 TRICHLOROBENZENE	8.07	180	2713	0.12 PPB 42	93
29) NAPHTHALENE	8.13	128	105400	1.40 PPB	91
30) 4-CHLOROANILINE	8.13	127	13472	0.53 PPB #	1
31) HEXACHLOROBUTADIENE CCC	0.00	225	0	N.D.	
32) 4-CHLORO-3-METHYLPHENOL CC	8.81	107	1405	N.D.	
33) 2-METHYLNAPHTHALENE	8.95	142	73993	1.42 PPB 43	94
34) 2-NITROANILINE	9.76	138	353	N.D.	
36) HEXACHLOROCYCLOPENTADIENE	0.00	237	0	N.D.	
37) 2,4,6-TRICHLOROPHENOL CCC	0.00	196	0	N.D.	
38) 2,4,5 TRICHLOROPHENOL	0.00	196	0	N.D.	
40) 2-CHLORONAPHTHALENE	9.54	162	519	N.D.	
41) DIMETHYLPHTHALATE	9.94	163	732	N.D.	
42) 2,6 DINITROTOLUENE	10.05	165	1580	0.11 PPB #	46
43) ACENAPHTHYLENE	10.04	152	15209	0.20 PPB	80
44) 3-NITROANILINE	9.69	65	315	N.D.	
45) ACENAPHTHENE CCC	10.25	153	7251	0.15 PPB	88
46) 2,4-DINITROPHENOL SPCC	0.00	184	0	N.D.	
47) 4-NITROPHENOL SPCC	10.55	65	663	N.D.	
48) DIBENZOFURAN	10.45	168	16513	0.24 PPB	80
49) 2,4 DINITROTOLUENE	10.50	165	499	N.D.	
50) DIETHYLPHTHLATE	10.77	149	5114	N.D.	
51) 4-CHLOROPHENYLPHENYL ETHER	10.86	204	437	N.D.	

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120921.D
Acq On : 12 Jan 2009 9:11 pm
Operator : J. Aquilina
Sample : bn smp 082.08*30 33g tcl
Misc : 1/9/09
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jan 13 09:34:51 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
52) FLUORENE	10.87	166	8188	0.16 PPB #	89
53) 4-NITROANILINE	10.97	138	773	N.D.	
55) 4,6-DINITRO-2-METHYLPHENOL	0.00	198	0	N.D.	
56) N-NITROSODIPHENYLAMINE	10.94	168	5293	0.22 PPB #	66
57) 1,2 DIPHENYLHYDRAZINE	11.07	77	2867	N.D.	
59) 4-BROMOPHENYLPHENYL ETHER	11.44	248	171	N.D.	
60) HEXACHLOROBENZENE	0.00	284	0	N.D.	
61) PENTACHLOROPHENOL CCC	0.00	266	0	N.D.	
62) PHENANTHRENE	12.01	178	103939	1.73 PPB 52	96
63) ANTHRACENE	12.07	178	20510	0.33 PPB #	81
64) CARBAZOLE	12.30	167	10242	0.15 PPB	91
65) DI-N-BUTYLPHTHALATE	12.74	149	33961	0.31 PPB #	1
66) FLUORANTHENE CCC	13.57	202	127545	2.08 PPB 62	97
68) BENZIDINE	13.54	184	1127	No Calib #	
69) PYRENE	13.91	202	117179	2.18 PPB 65	97
71) BUTYLBENZYLPHTHALATE	15.12	149	37969m	0.90 PPB	
72) BIS(2-ETHYLHEXYL)PHTHALATE	16.40	149	46018	0.79 PPB #	66
73) BENZO(A)ANTHRACENE	16.16	228	49657	1.11 PPB 33	83
74) CHRYSENE	16.26	228	64301	1.46 PPB 44	93
76) 3,3'-DICHLOROBENZIDINE	15.95	252	1288	No Calib #	
77) DI-N-OCTYL PHTHALATE CCC	17.86	149	5343	N.D.	
78) BENZO(B)FLOURANTHENE	18.66	252	34831m	1.28 PPB 38	
79) BENZO(K)FLUORANTHENE	18.71	252	28940m	1.09 PPB 33	
80) BENZO(A)PYRENE CCC	19.43	252	22321	0.96 PPB #	51
81) DIBENZO(A,H)ANTHRACENE	22.05	278	5939	0.34 PPB #	71
82) INDENO(1,2,3-CD)PYRENE	22.03	276	22649	1.11 PPB 33	97
83) BENZO(G,H,I)PERYLENE	22.55	276	55993	3.00 PPB 90	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (No Status)

Data Path : C:\MSDChem\1\DATA\jan09\011209bz\
Data File : 01120921.D
Acq On : 12 Jan 2009 9:11 pm
Operator : J. Aquilina
Sample : bn smp 082.08*30 33g tcl
Misc : 1/9/09
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jan 13 09:32:43 2009
Quant Title :
QLast Update : Thu Nov 13 09:14:22 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.64	150	1148206	40.00 PPB	-0.10
2) NAPHTHALENE-d8 INT. STD.	8.11	136	2791742	40.00 PPB	-0.10
4) ACENAPHTHENE-d10 INT. STD.	10.22	162	1367243	40.00 PPB	-0.09
6) PHENANTHRENE-d10 INT. STD.	11.98	188	1783572	40.00 PPB	-0.09
7) CHRYSENE-d12 INT. STD.	16.21	240	1485383	40.00 PPB	-0.11
10) PERYLENE-d12 INT. STD.	19.54	264	709807	40.00 PPB	-0.11
System Monitoring Compounds					
3) NITROBENZENE-d5 SURR.	7.30	82	1787388	74.76 PPB	-0.11
5) 2-FLUOROBIPHENYL SURR.	9.41	172	3178466	79.35 PPB	-0.10
9) TERPHENYL-d14 SURR.	14.20	244	2782547	89.55 PPB	-0.11
Target Compounds					Qvalue
8) BENZIDINE	13.88	184	782	N.D.	
11) 3,3'-DICHLOROBENZIDINE	16.35	252	1853	N.D.	

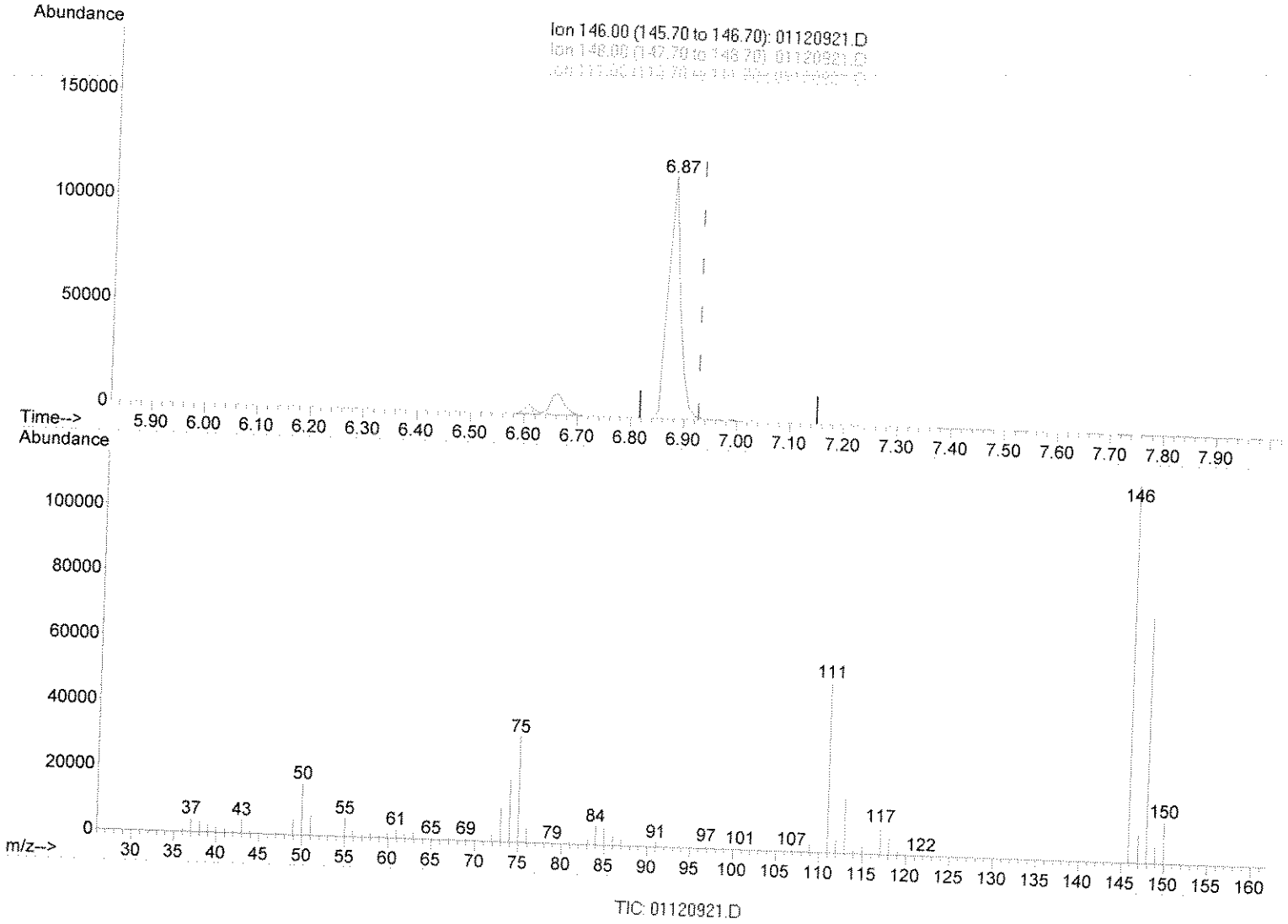
(#) = qualifier out of range (m) = manual integration (+) = signals summed

BZ111208.M Tue Jan 13 09:32:45 2009 J

Quantitation Report (Qedit)

Data Path : C:\MSDChem\1\DATA\jan09\011209\
Data File : 01120921.D
Acq On : 12 Jan 2009 9:11 pm
Operator : J. Aquilina
Sample : bn smp 082.08*30 33g tcl
Misc : 1/9/09
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jan 13 09:34:51 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration



TIC: 01120921.D

(13) 1,2-DICHLOROBENZENE (T)

6.874min (-0.054) 7.34PPB

response 195213

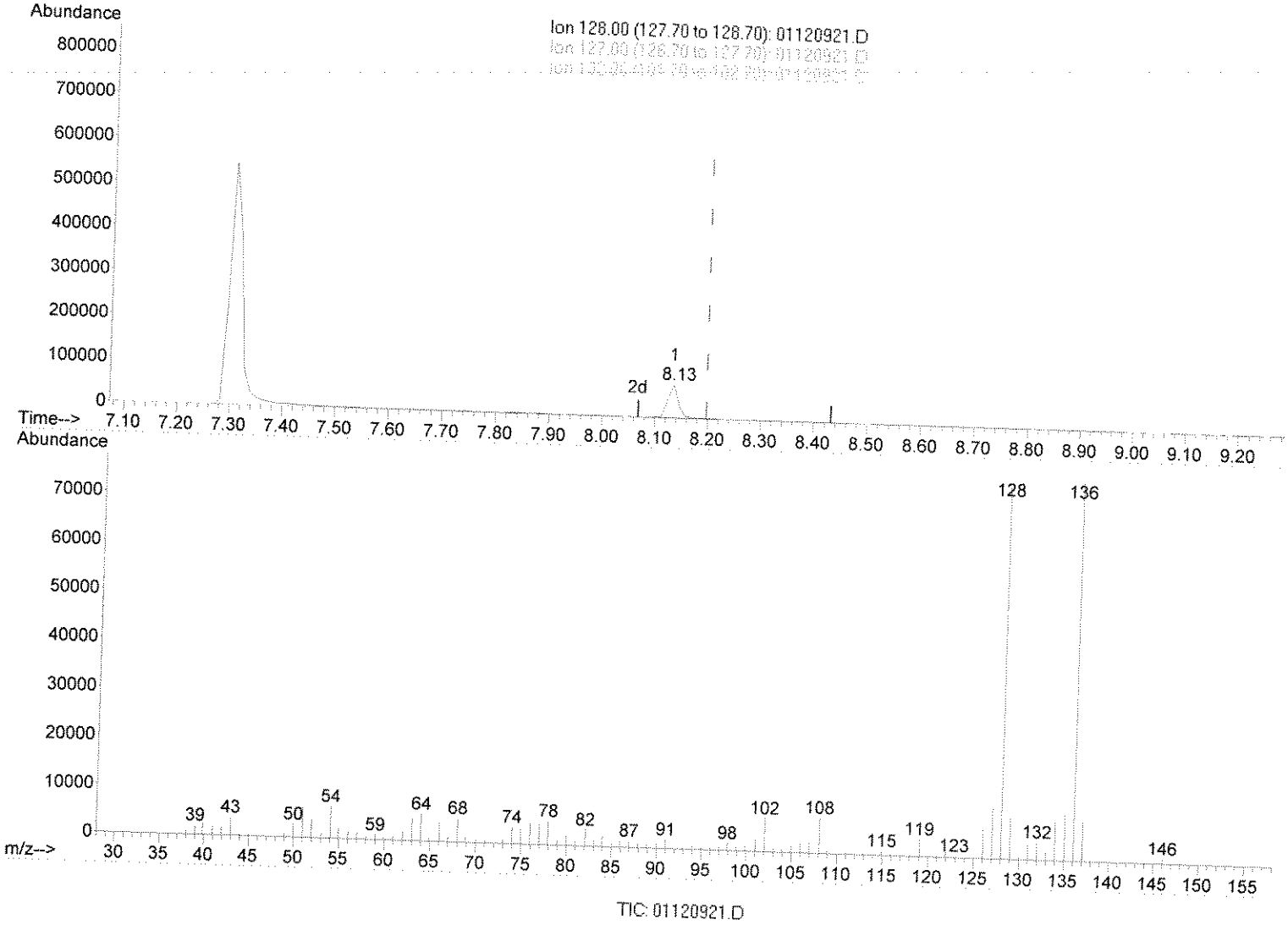
Ion	Exp%	Act%
146.00	100	100
148.00	64.50	64.44
111.00	48.80	46.17
0.00	0.00	0.00

3120108.M Wed Jan 14 14:20:31 2009 J

Quantitation Report (Qedit)

Data Path : C:\MSDChem\1\DATA\jan09\011209\
Data File : 01120921.D
Acq On : 12 Jan 2009 9:11 pm
Operator : J. Aquilina
Sample : bn smp 082.08*30 33g tcl
Misc : 1/9/09
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jan 13 09:34:51 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration



TIC: 01120921.D

(29) NAPHTHALENE (T)

8.135min (-0.063) 1.40PPB

response 105400

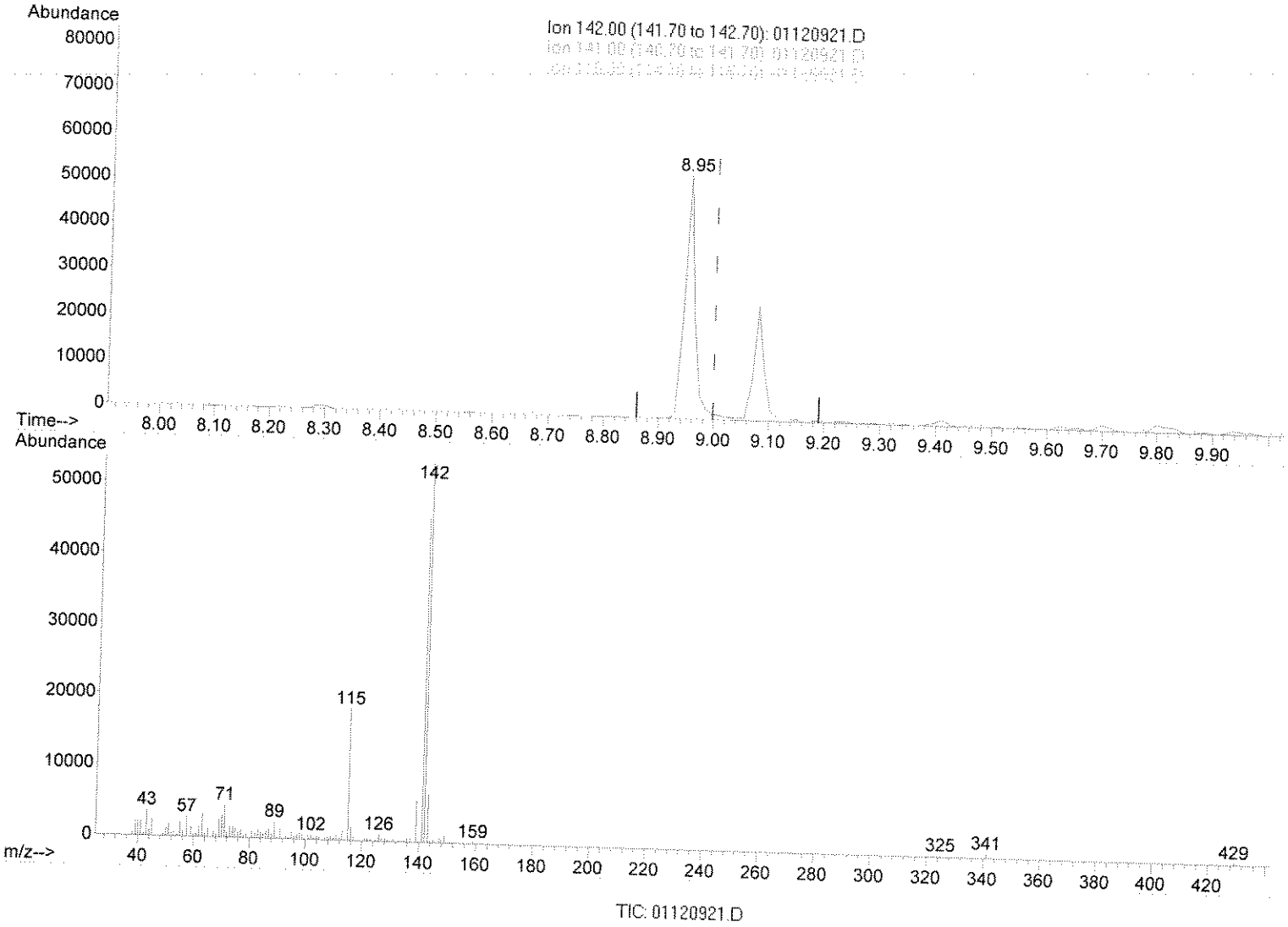
Ion	Exp%	Act%
128.00	100	100
127.00	12.70	12.78
102.00	11.60	19.13
0.00	0.00	0.00

3120108.M Wed Jan 14 14:20:39 2009 J

Quantitation Report (Qedit)

Data Path : C:\MSDChem\1\DATA\jan09\011209\
Data File : 01120921.D
Acq On : 12 Jan 2009 9:11 pm
Operator : J. Aquilina
Sample : bn smp 082.08*30 33g tcl
Misc : 1/9/09
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jan 13 09:34:51 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration



TIC: 01120921.D

(33) 2-METHYLNAPHTHALENE (T)

8.951min (-0.049) 1.42PPB

response 73993

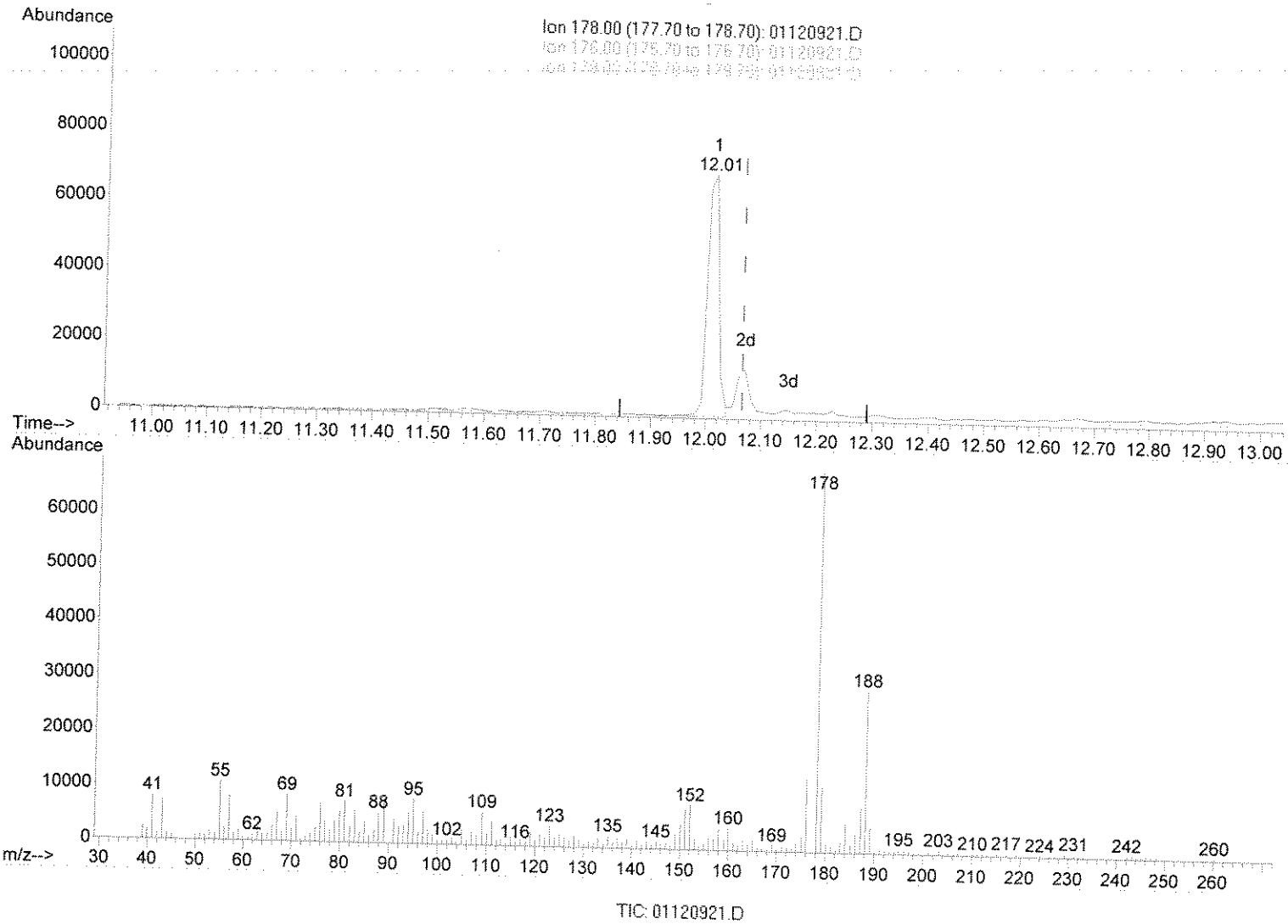
Ion	Exp%	Act%
142.00	100	100
141.00	83.60	86.87
115.00	41.80	34.14
0.00	0.00	0.00

3120108.M Wed Jan 14 14:20:51 2009 J

Quantitation Report (Qedit)

Data Path : C:\MSDChem\1\DATA\jan09\011209\
Data File : 01120921.D
Acq On : 12 Jan 2009 9:11 pm
Operator : J. Aquilina
Sample : bn smp 082.08*30 33g tcl
Misc : 1/9/09
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jan 13 09:34:51 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration



TIC: 01120921.D

(62) PHENANTHRENE (T)

12.014min (-0.053) 1.73PPB

response 103939

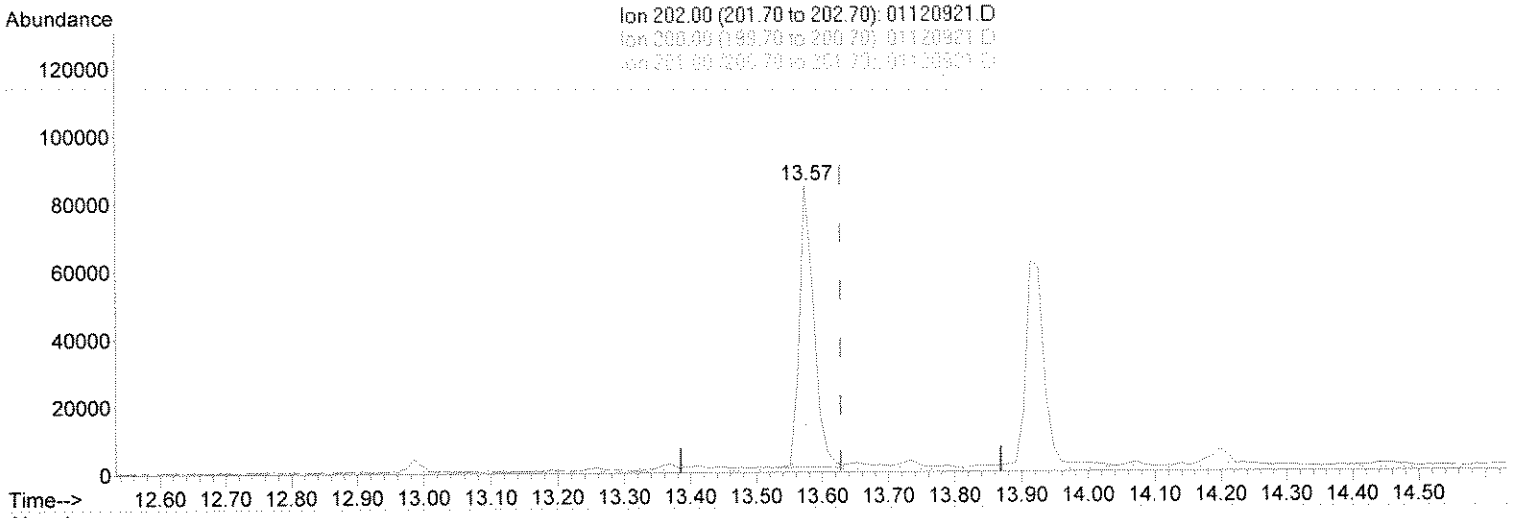
Ion	Exp%	Act%
178.00	100	100
176.00	18.80	18.85
179.00	15.50	19.17
0.00	0.00	0.00

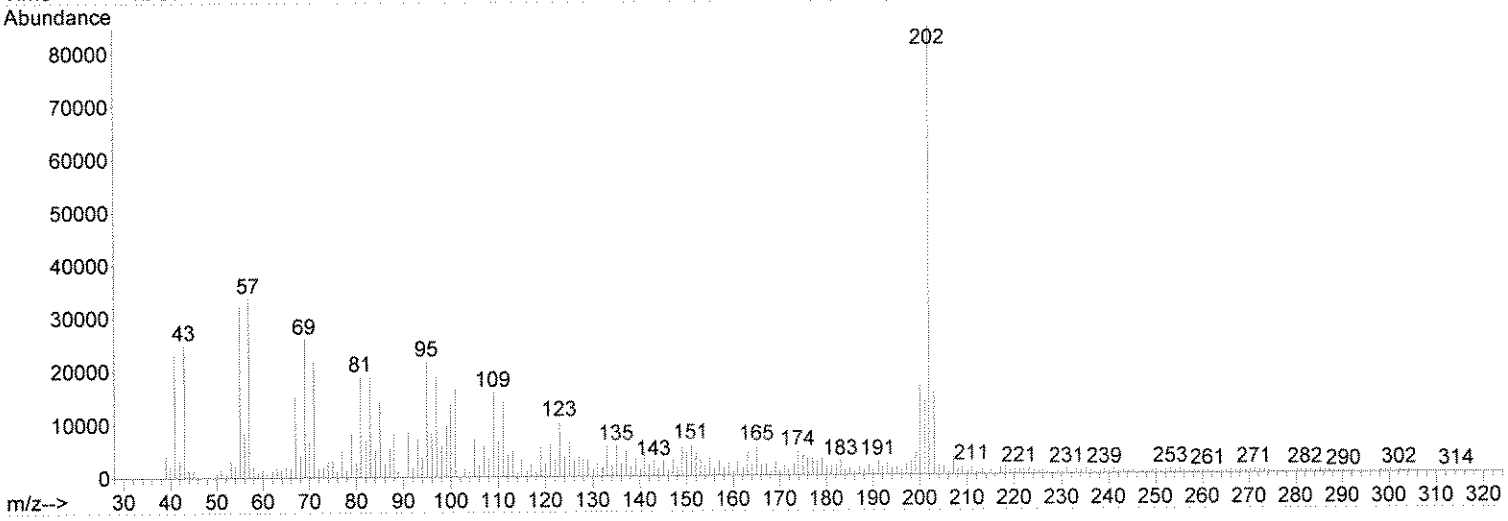
33120108.M Wed Jan 14 14:21:07 2009 J

Quantitation Report (Qedit)

Data Path : C:\MSDChem\1\DATA\jan09\011209\
Data File : 01120921.D
Acq On : 12 Jan 2009 9:11 pm
Operator : J. Aquilina
Sample : bn smp 082.08*30 33g tcl
Misc : 1/9/09
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jan 13 09:34:51 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration





TIC: 01120921.D

(66) FLUORANTHENE CCC (T)

13.574min (-0.055) 2.08PPB

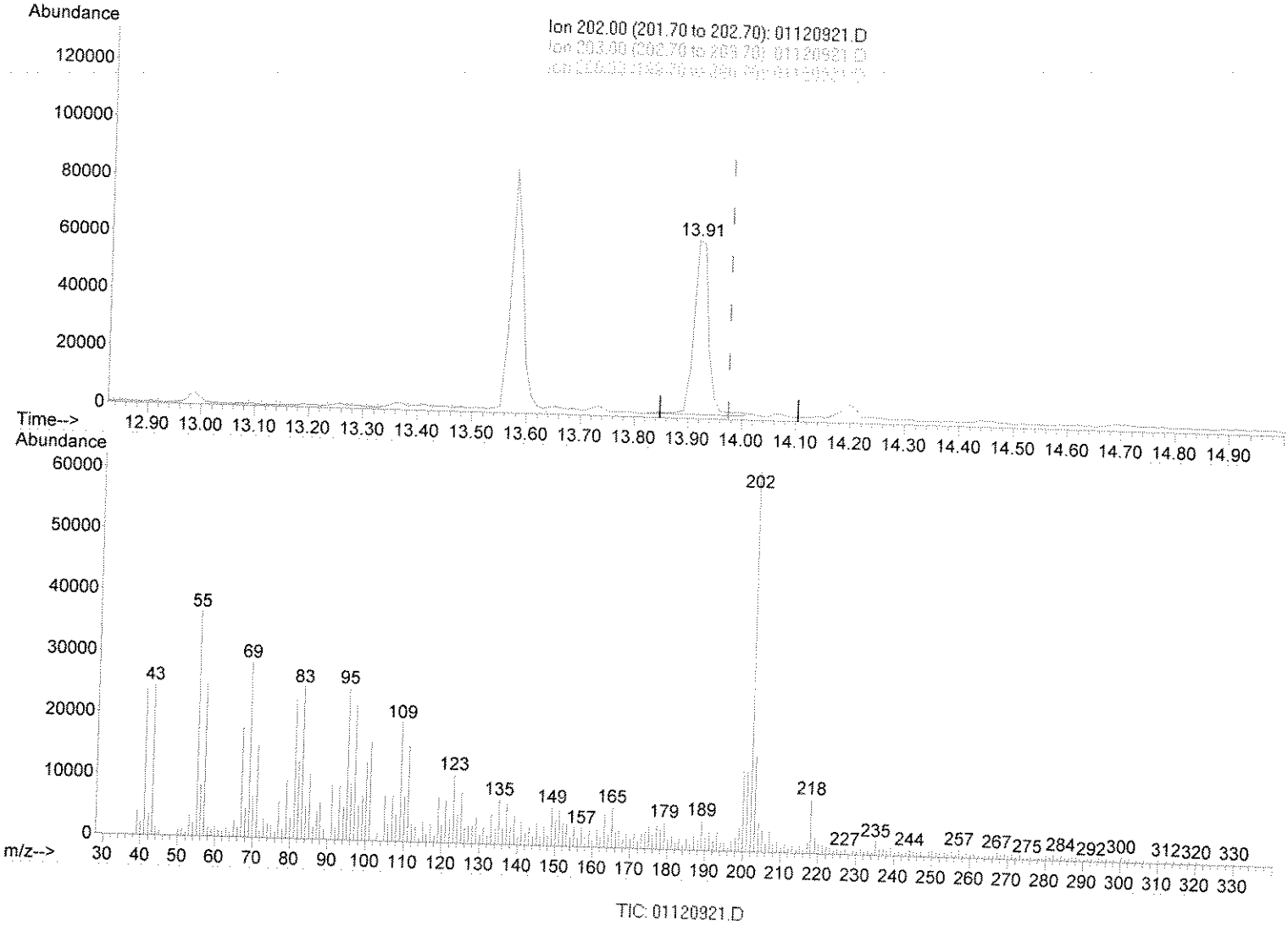
response 127545

Ion	Exp%	Act%
202.00	100	100
200.00	19.50	19.80
201.00	13.80	15.99
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\MSDChem\1\DATA\jan09\011209\
Data File : 01120921.D
Acq On : 12 Jan 2009 9:11 pm
Operator : J. Aquilina
Sample : bn smp 082.08*30 33g tcl
Misc : 1/9/09
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jan 13 09:34:51 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration



TIC: 01120921.D

(69) PYRENE (T)

13.914min (-0.062) 2.18PPB

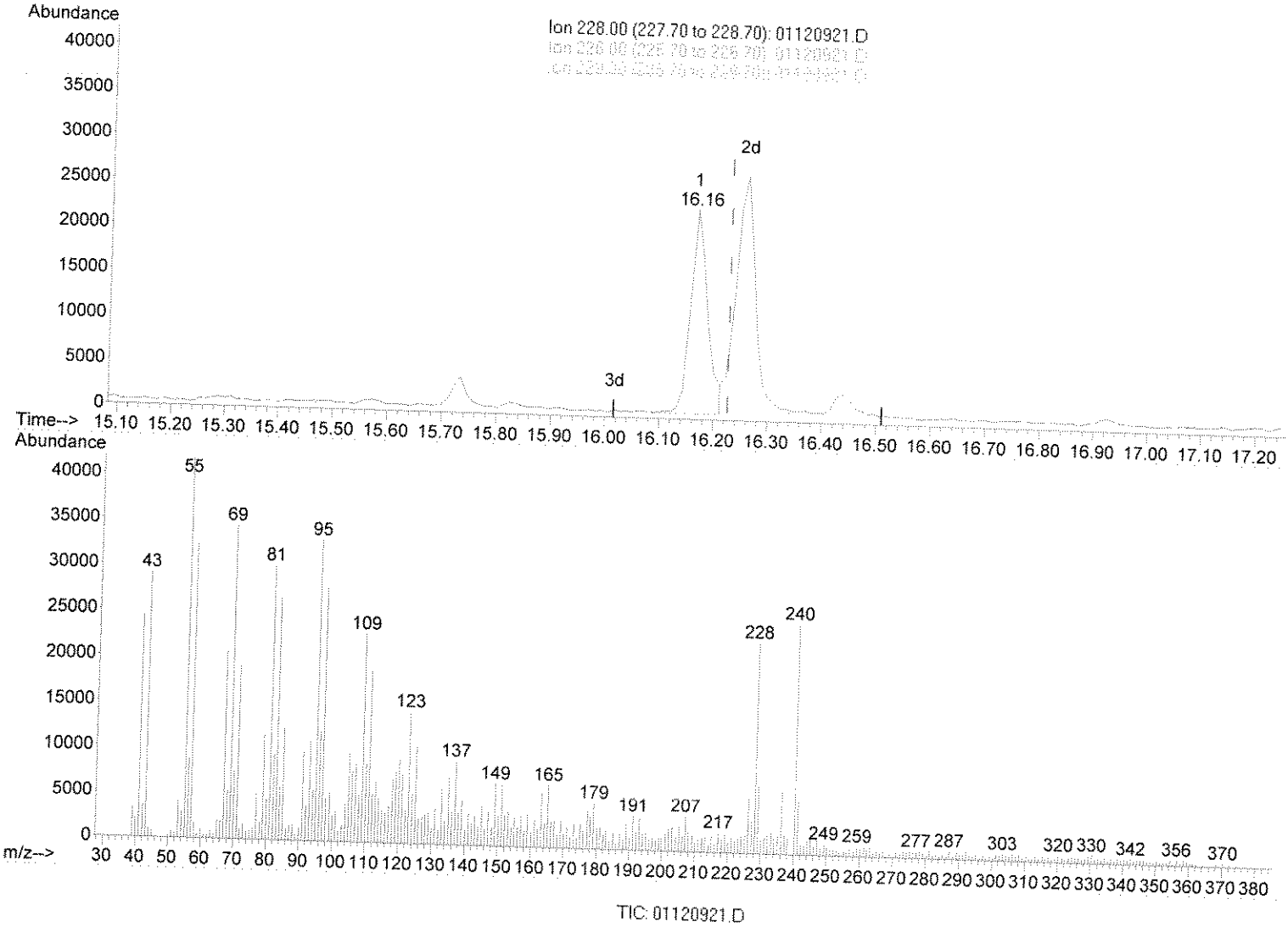
response 117179

Ion	Exp%	Act%
202.00	100	100
203.00	17.70	20.50
200.00	20.00	19.81
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\MSDChem\1\DATA\jan09\011209\
Data File : 01120921.D
Acq On : 12 Jan 2009 9:11 pm
Operator : J. Aquilina
Sample : bn smp 082.08*30 33g tcl
Misc : 1/9/09
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jan 13 09:34:51 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration



TIC: 01120921.D

(73) BENZO(A)ANTHRACENE (T)

16.165min (-0.062) 1.11PPB

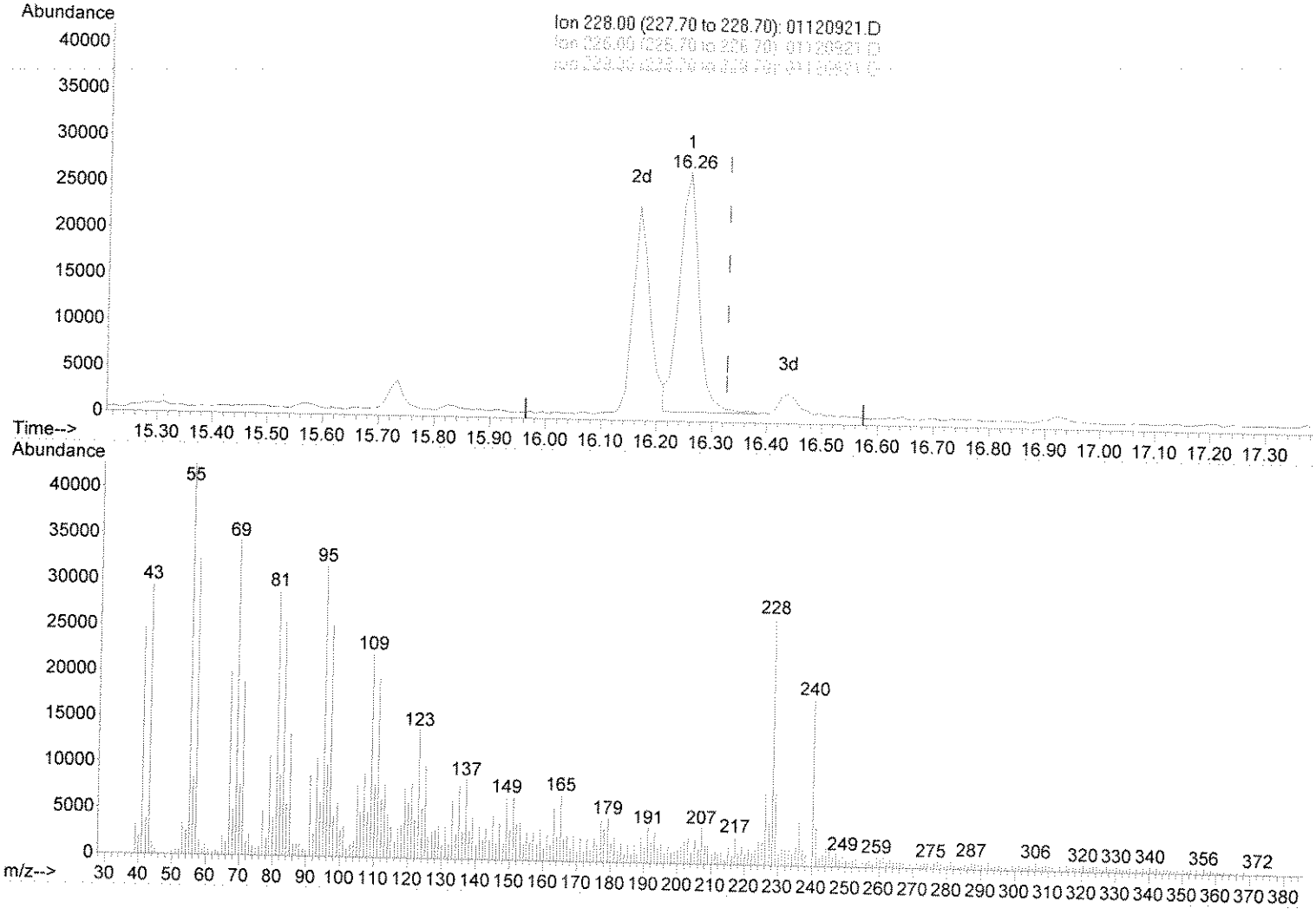
response 49657

Ion	Exp%	Act%
228.00	100	100
226.00	25.30	27.55
229.00	19.60	35.20
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\MSDChem\1\DATA\jan09\011209\
Data File : 01120921.D
Acq On : 12 Jan 2009 9:11 pm
Operator : J. Aquilina
Sample : bn smp 082.08*30 33g tcl
Misc : 1/9/09
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jan 13 09:34:51 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration



TIC: 01120921.D

(74) CHRYSENE (T)

16.256min (-0.072) 1.46PPB

response 64301

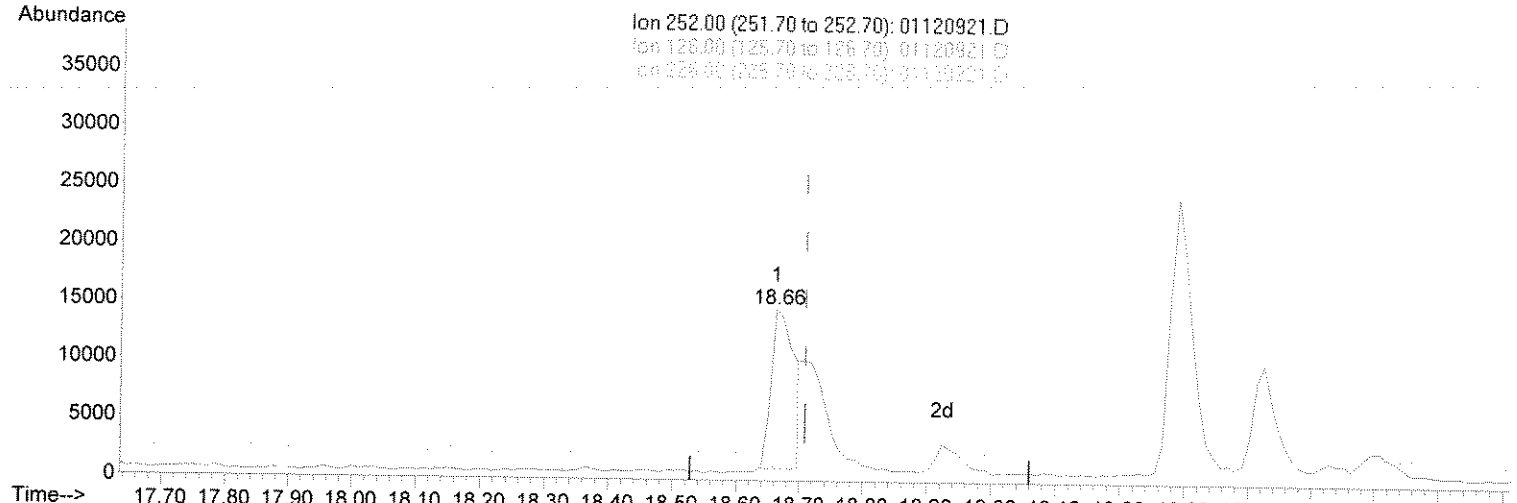
Ion	Exp%	Act%
228.00	100	100
226.00	27.80	29.08
229.00	19.70	25.50
0.00	0.00	0.00

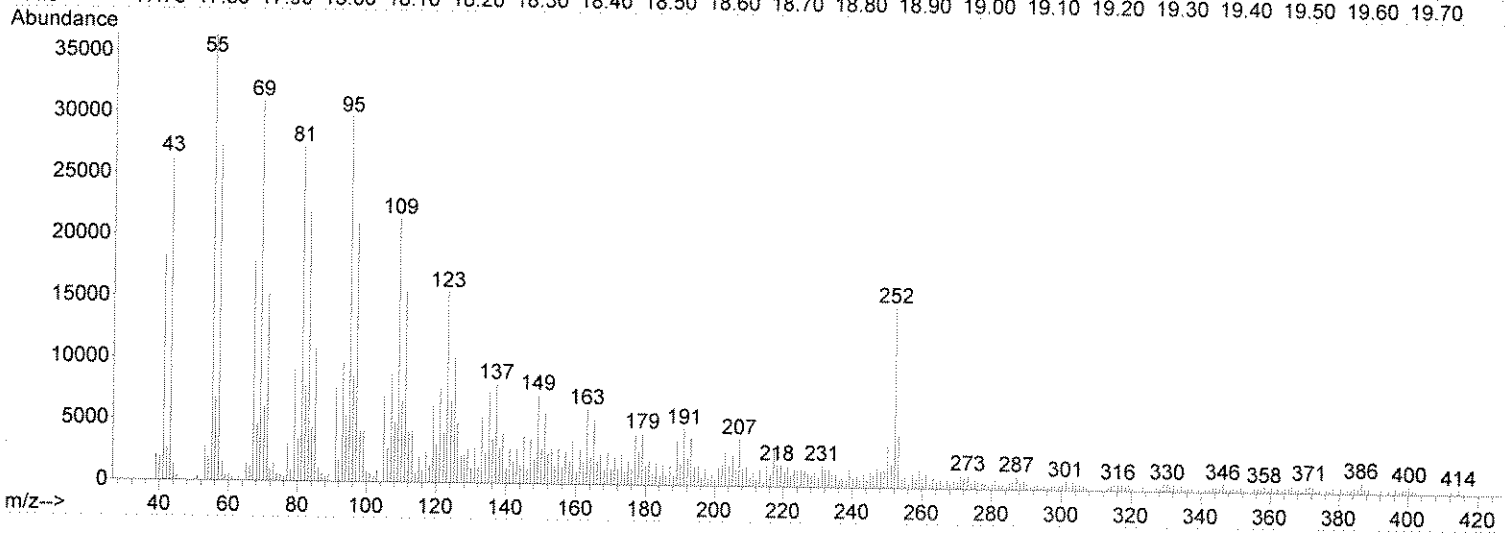
G3120108.M Wed Jan 14 14:21:32 2009 J

Quantitation Report (Qedit)

Data Path : C:\MSDChem\1\DATA\jan09\011209\
Data File : 01120921.D
Acq On : 12 Jan 2009 9:11 pm
Operator : J. Aquilina
Sample : bn smp 082.08*30 33g tcl
Misc : 1/9/09
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jan 13 09:34:51 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration





TIC: 01120921.D

(78) BENZO(B)FLOURANTHENE (T)

18.662min (-0.047) 1.28PPB m

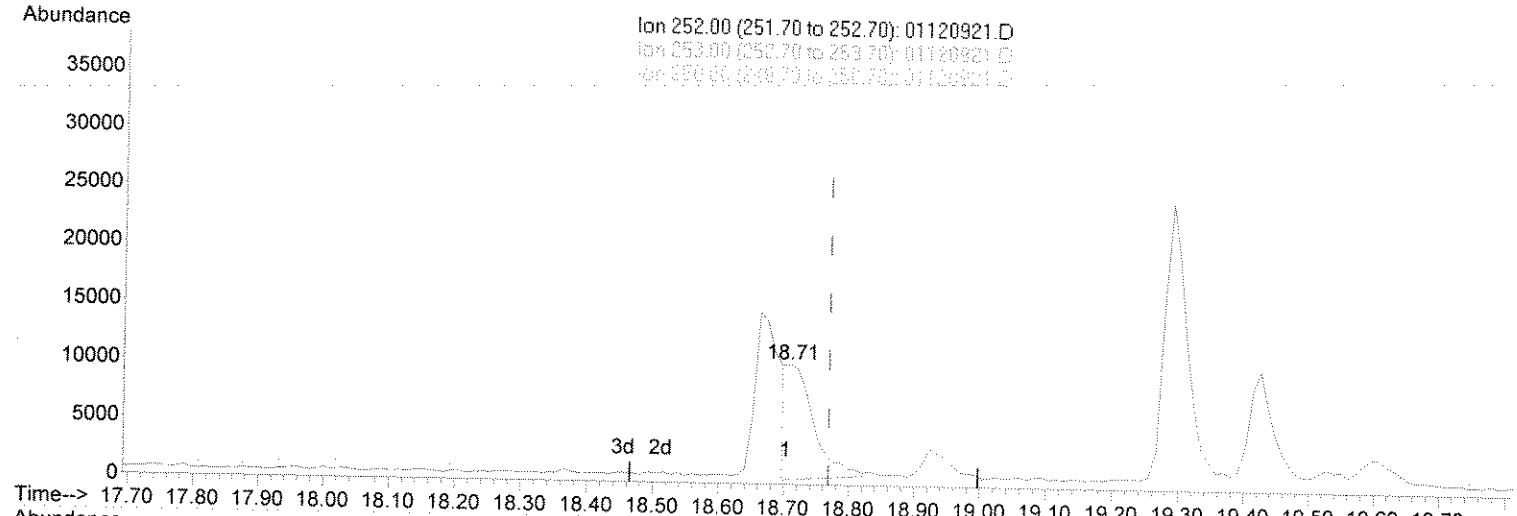
response 34831

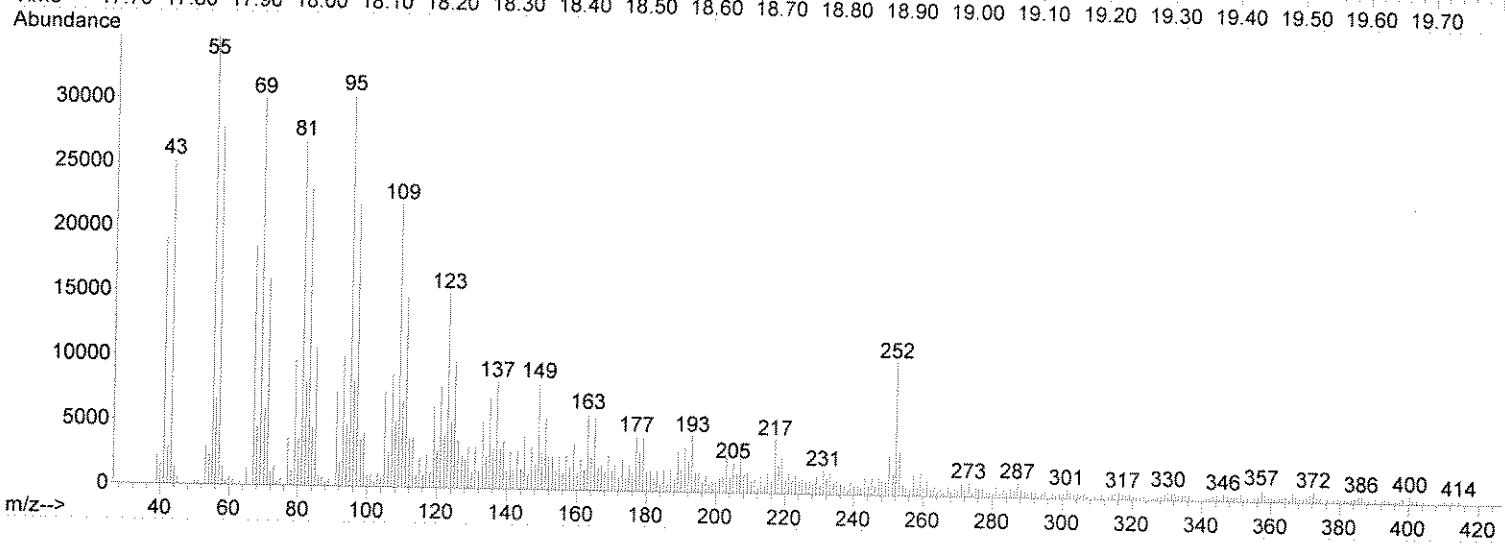
Ion	Exp%	Act%
252.00	100	100
126.00	18.70	33.06
226.00	2.30	9.45
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\MSDChem\1\DATA\jan09\011209\
Data File : 01120921.D
Acq On : 12 Jan 2009 9:11 pm
Operator : J. Aquilina
Sample : bn smp 082.08*30 33g tcl
Misc : 1/9/09
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jan 13 09:34:51 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration





TIC: 01120921.D

(79) BENZO(K)FLUORANTHENE (T)

18.708min (-0.061) 1.09PPB m

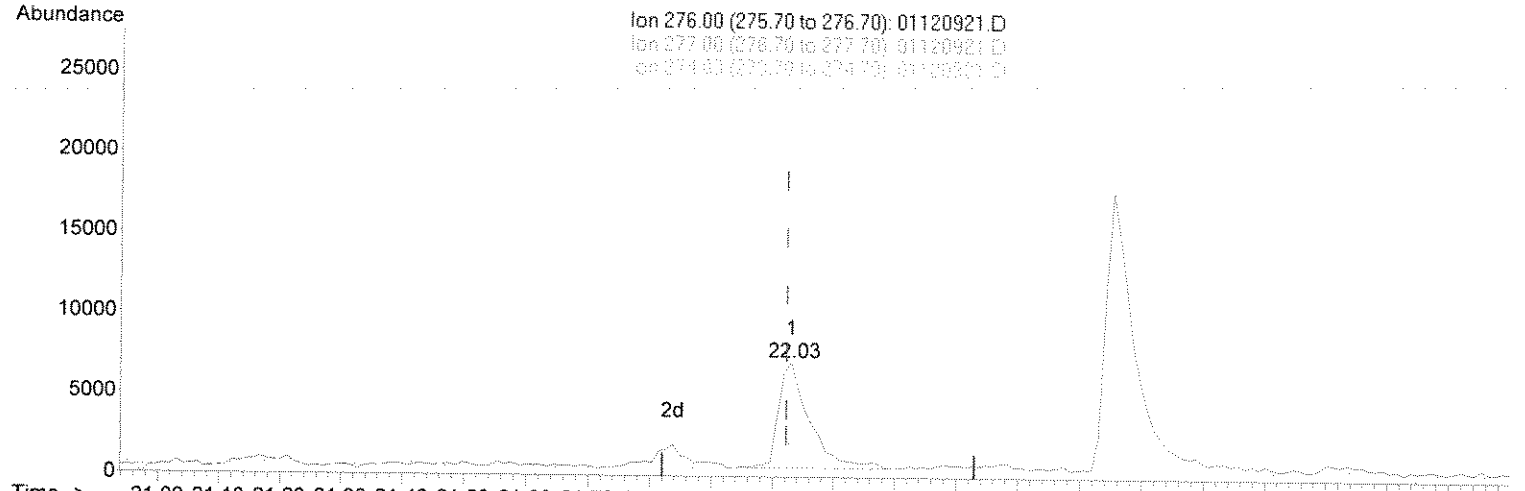
response 28940

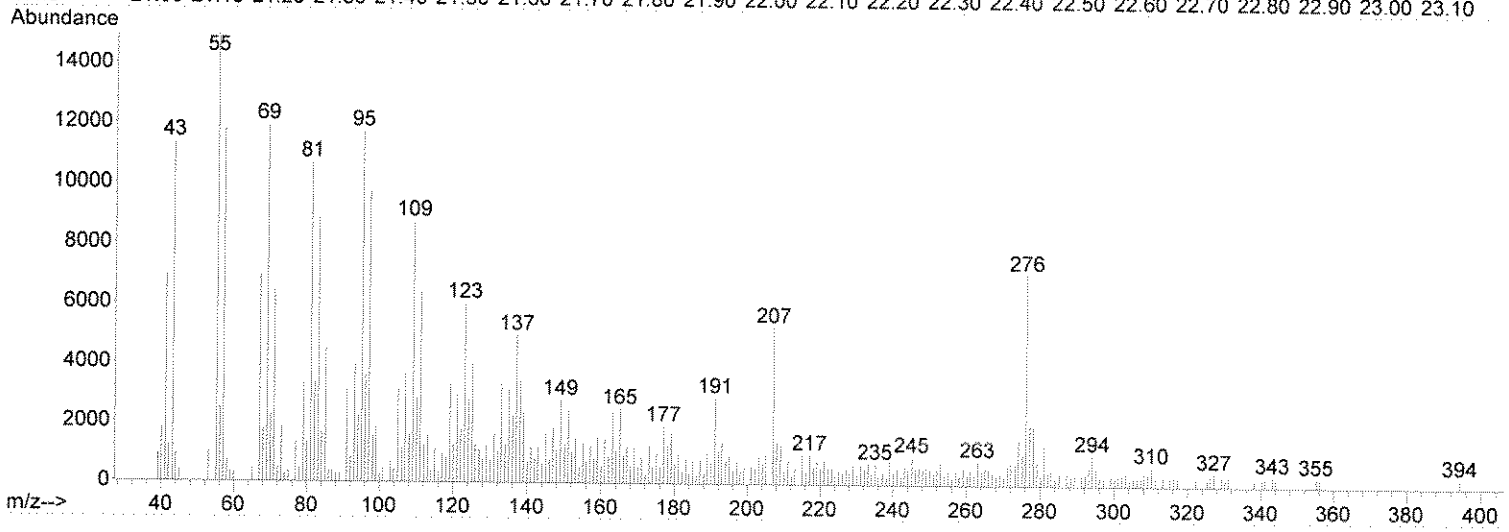
Ion	Exp%	Act%
252.00	100	100
253.00	21.10	33.13
250.00	21.20	29.92
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\MSDChem\1\DATA\jan09\011209\
Data File : 01120921.D
Acq On : 12 Jan 2009 9:11 pm
Operator : J. Aquilina
Sample : bn smp 082.08*30 33g tcl
Misc : 1/9/09
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jan 13 09:34:51 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration





TIC: 01120921.D

(82) INDENO(1,2,3-CD)PYRENE (T)

22.030min (+0.007) 1.11PPB

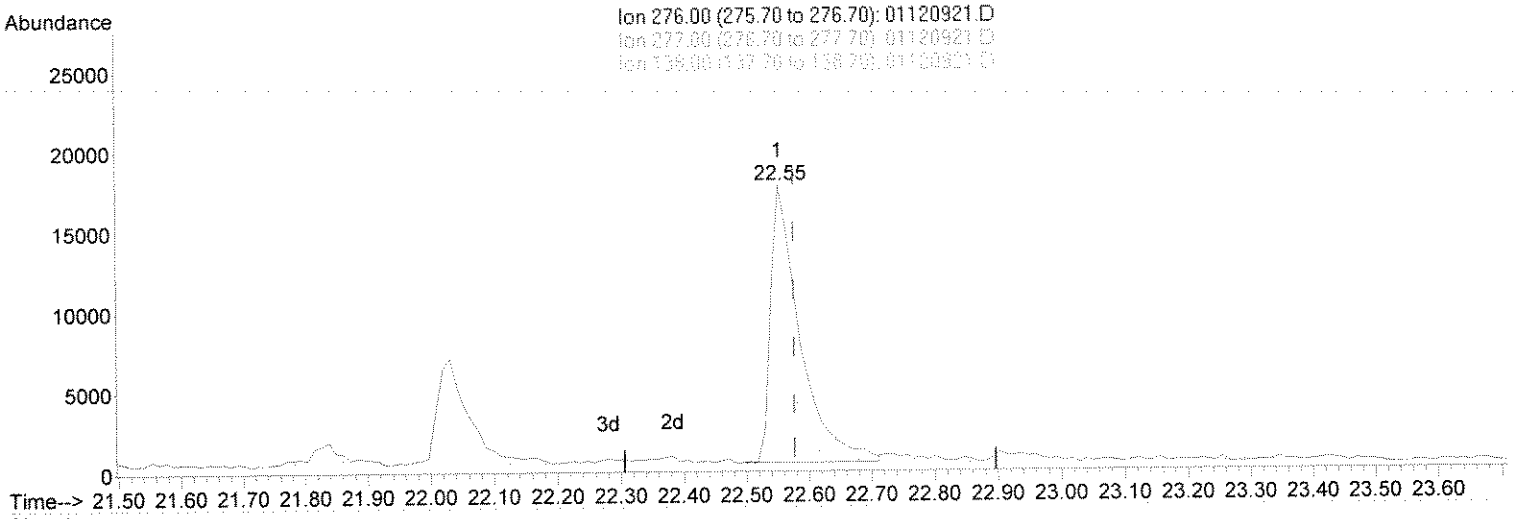
response 22649

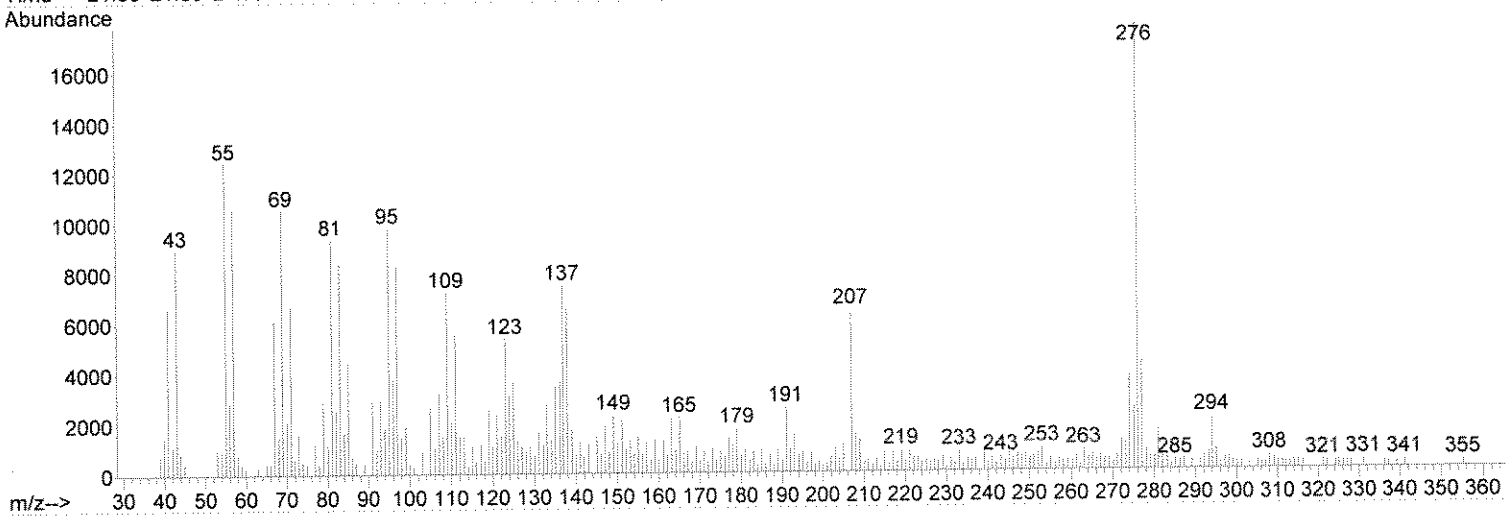
Ion	Exp%	Act%
276.00	100	100
277.00	23.90	25.81
274.00	20.10	21.33
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\MSDChem\1\DATA\jan09\011209\
Data File : 01120921.D
Acq On : 12 Jan 2009 9:11 pm
Operator : J. Aquilina
Sample : bn smp 082.08*30 33g tcl
Misc : 1/9/09
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jan 13 09:34:51 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration





TIC: 01120921.D

(83) BENZO(G,H,I)PERYLENE (T)

22.553min (-0.025) 3.00PPB

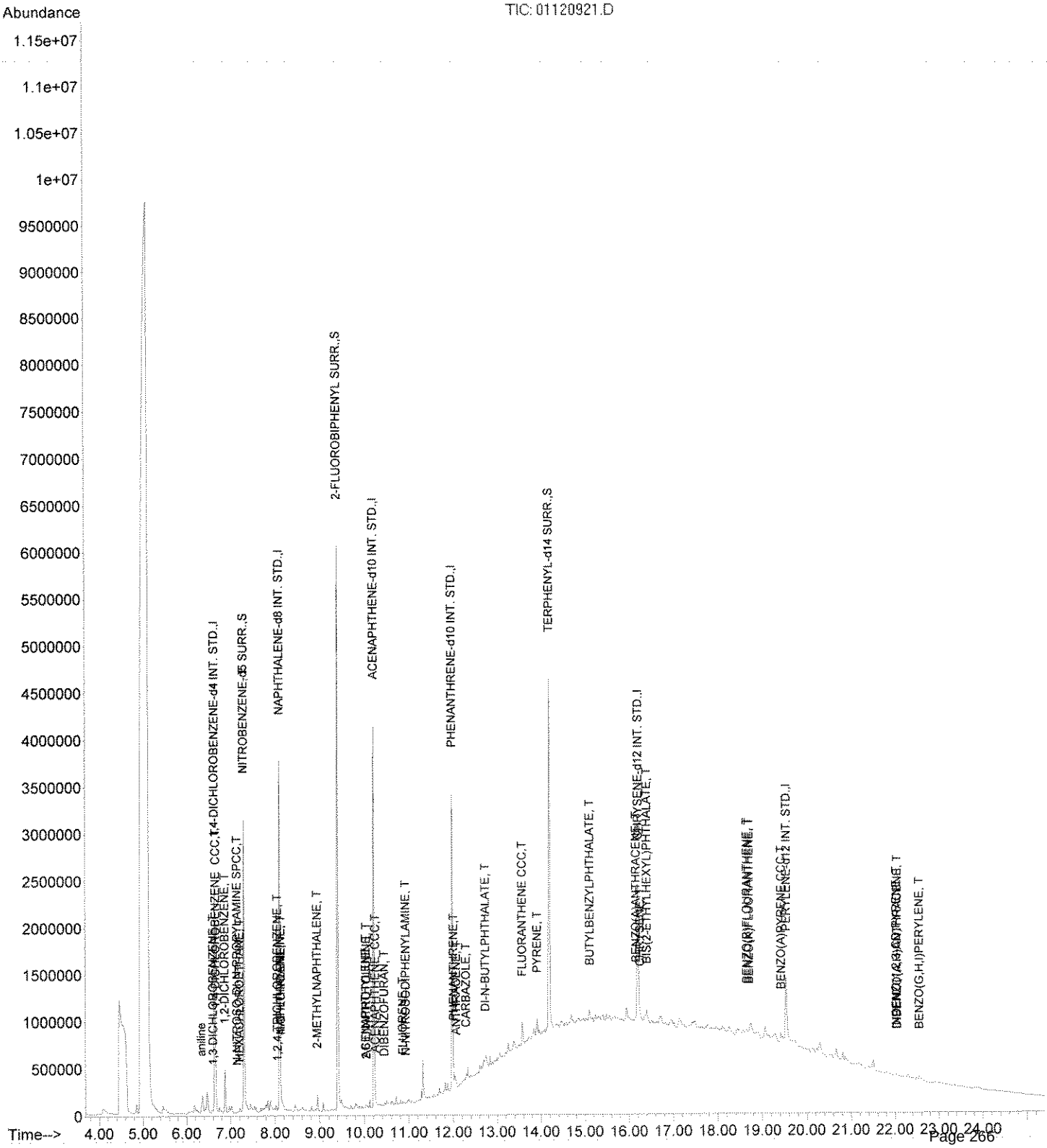
response 55993

Ion	Exp%	Act%
276.00	100	100
277.00	23.90	24.77
138.00	34.30	32.27
0.00	0.00	0.00

Quantitation Report (No Status)

Data Path : C:\MSDCHEM\1\DATA\JAN09\011209\
Data File : 01120921.D
Acq On : 12 Jan 2009 9:11 pm
Operator : J. Aquilina
Sample : bn smp 082.08*30 33g tcl
Misc : 1/9/09
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jan 13 09:34:51 2009
Quant Title :
QLast Update : Tue Dec 02 11:28:49 2008
Response via : Initial Calibration



VOCs BY EPA METHOD 8260 - QC DELIVERABLES INCLUDING:

- CONFORMANCE/NONCONFORMANCE SUMMARIES
- LABORATORY CHRONICLE
- ANALYTICAL RESULTS SUMMARY
- MDLs & PQLs
- METHOD BLANK SUMMARY
- DATE/TIME SUMMARY
- SURROGATE COMPOUND RESULTS SUMMARY
- MS/MSD RECOVERY RESULTS SUMMARY
- INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY
- INSTRUMENT PERFORMANCE CHECK SUMMARY (DFTPP)
- QC CHECK (REFERENCE SAMPLE) RESULTS SUMMARY
- RAW DATA FOR ALL GCMS RUNS
- TENTATIVELY IDENTIFIED COMPOUNDS (TICs)

Conformance/Nonconformance Summary-8260

Ecotest Sample ID: 290082.01 -->282082.09.

QC criteria were met for the following unless stated otherwise:

* Method blank
* MDL study
* Surrogate recoveries
* Matrix Spike & Matrix Spike Duplicate RPD
* Matrix Spike & Matrix Spike Duplicate % recoveries.
* Reference sample
* Holding Time (USEPA SW846)
* Initial instrument calibration & continuing calibration

The elevated RSD for methylene chloride is of no consequence as a separate low level curve using a linear regression curve model was used to quantify all blanks, samples and QC.
All QC results for methylene chloride were within limits.

* GCMS Tune criteria
* Internal Standard Recovery

Lab Chronicle

Laboratory Number	Date Collected	Date Received	Instrument Name	Sample	Date Extracted	Date of Analysis	8260 Holding Time (days)
290082.01	1/7/09	1/8/09	GCMSV#4	S-1	na	1/12/09	5
290082.02	1/7/09	1/8/09	GCMSV#4	S-2	na	1/12/09	5
290082.03	1/7/09	1/8/09	GCMSV#4	S-3	na	1/12/09	5
290082.04	1/7/09	1/8/09	GCMSV#4	S-4	na	1/12/09	5
290082.05	1/7/09	1/8/09	GCMSV#4	S-5	na	1/12/09	5
290082.06	1/7/09	1/8/09	GCMSV#4	S-6	na	1/12/09	5
290082.07	1/7/09	1/8/09	GCMSV#4	S-7	na	1/12/09	5
290082.08	1/7/09	1/8/09	GCMSV#4	S-8	na	1/12/09	5
290082.09	1/7/09	1/8/09	GCMSV#4	S-9	na	1/12/09	5

Analytical Results Summary GCMSV4 Method 8260B

Lab Number	Sample Volume/Weight	Extract Volume	Sample Aliquot	Final Water Volume	Dilution Factor	Column
290082.01	1g	na	na	na	5	J&W DB-VRX 0.18mm
290082.02	1g	na	na	na	5	J&W DB-VRX 0.18mm
290082.03	1g	na	na	na	5	J&W DB-VRX 0.18mm
290082.04	1g	na	na	na	5	J&W DB-VRX 0.18mm
290082.05	1g	na	na	na	5	J&W DB-VRX 0.18mm
290082.06	1g	na	na	na	5	J&W DB-VRX 0.18mm
290082.07	1g	na	na	na	5	J&W DB-VRX 0.18mm
290082.08	1g	na	na	na	5	J&W DB-VRX 0.18mm
290082.09	1g	na	na	na	5	J&W DB-VRX 0.18mm

Method Detection Limits and Practical Quantitaton Limits for Method 8260B for Soil Purge and Trap Method 5035-GCMSV4

Compound	MDL (ug/Kg)	PQL (ug/Kg)
dichlorodifluoromethane	0.25	1
chlorodifluoromethane	0.26	1
chloromethane	0.33	1
vinyl chloride	0.14	1
bromomethane	0.42	1
chloroethane	0.34	1
trichlorofluoromethane	0.23	1
freon	0.37	1
acetone	2.81	10
1,1-dichloroethene	0.25	1
methylene chloride	0.53	1
carbon disulfide	0.19	1
tert-butylmethylether	0.20	1
trans-1,2-dichloroethene	0.39	1
vinyl acetate	0.51	10
1,1-dichloroethane	0.11	1
methyl ethyl ketone	2.35	10
2,2-dichloropropane	0.31	1
cis-1,2-dichloroethene	0.29	1
chloroform	0.21	1
bromochloromethane	0.41	1
1,1,1-trichloroethane	0.17	1
1,1-dichloropropene	0.20	1
carbon tetrachloride	0.15	1
1,2-dichloroethane	0.39	1
benzene	0.16	1
trichloroethene	0.27	1
1,2-dichloropropane	0.32	1
bromodichloromethane	0.18	1
dibromomethane	0.32	1
2-chloroethylvinylether	0.48	1
4-methyl-2-pentanone	0.86	10
cis-1,3-dichloropropene	0.29	1
toluene	0.13	1
trans-1,3-dichloropropene	0.22	1
1,1,2-trichloroethane	0.33	1
2-hexanone	0.68	10

Compound	MDL (ug/Kg)	PQL (ug/Kg)
1,3-dichloropropane	0.19	1
tetrachloroethene	0.26	1
dibromochloromethane	0.30	1
1,2-dibromoethane	0.28	1
chlorobenzene	0.17	1
1,1,1,2-tetrachloroethane	0.31	1
ethylbenzene	0.11	1
m+p xylene	0.15	2
o-xylene	0.15	1
styrene	0.10	1
bromoform	0.20	1
isopropylbenzene	0.06	1
1,1,2,2-tetrachloroethane	0.34	1
1,2,3-trichloropropane	0.41	1
n-propylbenzene	0.14	1
bromobenzene	0.24	1
p-ethyltoluene	0.10	1
1,3,5-trimethylbenzene	0.19	1
2-chlorotoluene	0.26	1
4-chlorotoluene	0.12	1
tert-butylbenzene	0.31	1
1,2,4-trimethylbenzene	0.13	1
sec-butylbenzene	0.15	1
4-isopropyltoluene	0.11	1
1,3-dichlorobenzene	0.23	1
1,4-dichlorobenzene	0.18	1
1,2,3-trimethylbenzene	0.13	1
n-butylbenzene	0.19	1
p-diethylbenzene	0.21	1
1,2-dichlorobenzene	0.19	1
1,2,4,5-tetramethylbenzene	0.18	1
1,2-dibromo-3-chloropropan	0.71	1
1,2,4-trichlorobenzene	0.37	1
hexachlorobutadiene	0.27	1
naphthalene	0.32	1
1,2,3-trichlorobenzene	0.36	1

4A

VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

soil blank

Lab Name: Ecotest Labs, Inc. Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Lab File ID: 01120913.D Lab Sample ID: soil blank

Date Analyzed: 1/12/09 Time Analyzed: 15:13

GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) Y

Instrument ID: GCMSV4

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	290082.01 1g	Sample	01120917.D	16:41
02	290082.02 1g	Sample	01120918.D	17:03
03	290082.03 1g	Sample	01120919.D	17:25
04	290082.04 1g	Sample	01120920.D	17:47
05	290082.05 1g	Sample	01120921.D	18:09
06	290082.06 1g	Sample	01120922.D	18:31
07	290082.07 1g	Sample	01120923.D	18:53
08	290082.08 1g	Sample	01120924.D	19:15
09	290082.09 1g	Sample	01120925.D	19:37
10	290082.09 1g +20MS	Matrix Spike	01120926.D	19:59
11	290082.09 1g +20MSD	Matrix Spike Duplicate	01120927.D	20:21
12				
13				
14				
15				
16				
17				
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22				
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29				
30				

COMMENTS:

Date Time Summary GCMSV4 Method 8260

Sample	Date	Time	Sample Type
bfb 50ng	1/9/09	16:45	BFB Tune Check
soil stnd 1ug/Kg	1/9/09	17:28	Initial Calibration
soil stnd 2ug/Kg	1/9/09	17:50	Initial Calibration
soil stnd 5ug/Kg	1/9/09	18:12	Initial Calibration
soil stnd 10ug/Kg	1/9/09	18:34	Initial Calibration
soil stnd 20ug/Kg	1/9/09	18:56	Initial Calibration
soil stnd 50ug/Kg	1/9/09	19:18	Initial Calibration
soil stnd 100ug/Kg	1/9/09	19:40	Initial Calibration
soil stnd 200ug/Kg	1/9/09	20:02	Initial Calibration
bfb 50ng	1/9/09	20:46	BFB Tune Check
soil stnd 20ug/Kg	1/9/09	21:08	Initial Calibration Verification
bfb 50ng	1/12/09	10:30	BFB Tune Check
soil stnd 20ug/Kg	1/12/09	11:49	Continuing Calibration
soil stnd 1ug/Kg	1/12/09	12:33	Low level check standard
reference 10ug/Kg	1/12/09	13:24	Second Source Reference Sample
soil blank 1g	1/12/09	15:13	Method Blank
290082.01 1g	1/12/09	16:41	Sample
290082.02 1g	1/12/09	17:03	Sample
290082.03 1g	1/12/09	17:25	Sample
290082.04 1g	1/12/09	17:47	Sample
290082.05 1g	1/12/09	18:09	Sample
290082.06 1g	1/12/09	18:31	Sample
290082.07 1g	1/12/09	18:53	Sample
290082.08 1g	1/12/09	19:15	Sample
290082.09 1g	1/12/09	19:37	Sample
290082.09 1g +20MS	1/12/09	19:59	Matrix Spike
290082.09 1g +20MSD	1/12/09	20:21	Matrix Spike Duplicate

Surrogate Compound Limit for Ageous Samples Method 8260B GCMSV4

Surrogate Compound*	QC Limits
12-Dichloroethane-d4	94% --> 114%
Toluene-d8	89% --> 108%
4-Bromofluorobenzene	73% -->114%

Date of Analysis	Sample	1,2-Dichlorethane-d4 % Recovery	Toluene-d8 % Recovery	4-Bromofluorobenzene % Recovery
1/12/09	soil stnd 1ug/Kg	99	96	90
1/12/09	reference 10ug/Kg	105	99	96
1/12/09	soil blank 1g	100	97	86
1/12/09	290082.01 1g	101	97	87
1/12/09	290082.02 1g	103	97	84
1/12/09	290082.03 1g	96	96	86
1/12/09	290082.04 1g	99	96	86
1/12/09	290082.05 1g	93	97	84
1/12/09	290082.06 1g	100	96	84
1/12/09	290082.07 1g	101	97	84
1/12/09	290082.08 1g	104	96	76
1/12/09	290082.09 1g	101	98	85
1/12/09	290082.09 1g +20MS	101	100	97
1/12/09	290082.09 1g +20MSD	101	99	95

*All Samples were spiked with 50ug/Kg of all surrogate compounds.
!!-Value out of QC limits.

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Ecotest Labs, Inc Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Matrix Spike - Sample No.: 290082.09

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,1-dichloroethene	20	0	21.7	109	76 120
Trichloroethene	20	0	21.4	107	76 118
Chlorobenzene	20	0	21.4	107	78 119
Toluene	20	0.2	21.5	107	76 114
Benzene	20	0	21.2	106	85 113

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MS % REC #	% RPD #	QC LIMITS RPD	REC.
1,1-dichloroethene	20	20.8	104	4.2	19.0	76 120
Trichloroethene	20	20.6	103	3.8	15.0	83 114
Chlorobenzene	20	21.0	105	1.9	11.0	78 119
Toluene	20	21.3	106	1.0	12.0	77 116
Benzene	20	21.5	108	1.4	10.0	85 113

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments: _____

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Ecotest Laboratories, Inc. Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Lab File ID (Standard): 11120905.D Date Analyzed: 1/12/09

Instrument ID: GCMSV4 Time Analyzed: 11:49

GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) Y

		IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	3780823	3.39	5454631	3.93	2490755	6.21
	UPPER LIMIT	7561646	3.89	10909263	4.43	4981509	6.71
	LOWER LIMIT	1890411	2.89	2727316	3.43	1245377	5.71
	SAMPLE NO.						
01	soil stnd 1ug/Kg	3308217	3.39	4877419	3.93	2161953	6.22
02	reference 10ug/Kg	3385739	3.39	4880024	3.93	2205239	6.21
03	soil blank 1g	2956878	3.38	4339802	3.93	1905633	6.21
04	290082.01 1g	3432675	3.39	4809348	3.93	2075778	6.22
05	290082.02 1g	3288578	3.39	4703680	3.93	2068379	6.22
06	290082.03 1g	3176999	3.39	4603526	3.93	1991311	6.22
07	290082.04 1g	3140014	3.39	4468158	3.93	1971023	6.22
08	290082.05 1g	3089704	3.39	4362096	3.93	1925647	6.21
09	290082.06 1g	2999696	3.39	4307244	3.93	1930877	6.21
10	290082.07 1g	2809871	3.38	4111369	3.93	1812676	6.22
11	290082.08 1g	2918995	3.39	4294042	3.93	1771593	6.22
12	290082.09 1g	2938223	3.39	4282369	3.94	1890575	6.22
13	290082.09 1g +20MS	3094146	3.39	4437102	3.93	2018675	6.22
14	290082.09 1g +20MSD	3106144	3.39	4531327	3.93	2079686	6.22
15							
16							
17							
18							
19							
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22							
23							
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25							
26							
27							
28							
29							
30							
31							
32							

IS1 = pentafluorobenzene
IS2 = 1,4-difluorobenzene
IS3 = chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Ecotest Laboratories, Inc. Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Lab File ID (Standard): 11120905.D Date Analyzed: 1/12/09

Instrument ID: GCMSV4 Time Analyzed: 11:49

GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) Y

		IS4 AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	2855228	8.14				
	UPPER LIMIT	5710456	8.64				
	LOWER LIMIT	1427614	7.64				
	SAMPLE NO.						
01	soil stnd 1ug/Kg	2277561	8.14				
02	reference 10ug/Kg	2507394	8.13				
03	soil blank 1g	1943081	8.13				
04	290082.01 1g	2158769	8.14				
05	290082.02 1g	2097303	8.14				
06	290082.03 1g	2030078	8.14				
07	290082.04 1g	2014877	8.13				
08	290082.05 1g	1964172	8.13				
09	290082.06 1g	1959617	8.13				
10	290082.07 1g	1814091	8.13				
11	290082.08 1g	1622656	8.13				
12	290082.09 1g	1942325	8.13				
13	290082.09 1g +20MS	2329846	8.13				
14	290082.09 1g +20MSD	2348019	8.13				
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							

IS4 = 1,4-dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name : Ecotest Labs, Inc. Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Lab File ID: 01090901.D BFB Injection Date: 1/9/09

Instrument ID: GCMSV4 BFB Injection Time: 16:45

GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	20.4
75	30.0 - 66.0% of mass 95	52.3
95	Base peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	(0.0)1
174	50.0 - 120.0% of mass 95	90.5
175	4.0 - 9.0% of mass 174	(7.3)1
176	93.0 - 101.0% of mass 174	(99.6)1
177	5.0 - 9.0% of mass 176	(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	soil stnd 1ug/Kg	Initial Calibration	01090903.D	01/9/09	17:28
02	soil stnd 2ug/Kg	Initial Calibration	01090904.D	01/9/09	17:50
03	soil stnd 5ug/Kg	Initial Calibration	01090905.D	01/9/09	18:12
04	soil stnd 10ug/Kg	Initial Calibration	01090906.D	01/9/09	18:34
05	soil stnd 20ug/Kg	Initial Calibration	01090907.D	01/9/09	18:56
06	soil stnd 50ug/Kg	Initial Calibration	01090908.D	01/9/09	19:18
07	soil stnd 100ug/Kg	Initial Calibration	01090909.D	01/9/09	19:40
08	soil stnd 200ug/Kg	Initial Calibration	01090910.D	01/9/09	20:02
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
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24					
25					
26					
27					
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29					
30					
31					
32					

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name : Ecotest Labs, Inc. Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Lab File ID: 01090912.D BFB Injection Date: 1/9/09

Instrument ID: GCMSV4 BFB Injection Time: 20:46

GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	20.2
75	30.0 - 66.0% of mass 95	51.4
95	Base peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	(0.0)1
174	50.0 - 120.0% of mass 95	87.9
175	4.0 - 9.0% of mass 174	(7.2)1
176	93.0 - 101.0% of mass 174	(99.2)1
177	5.0 - 9.0% of mass 176	(6.2)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	soil stnd 20ug/Kg	Initial Calibration Veri	01090913.D	01/9/09	21:08
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
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25					
26					
27					
28					
29					
30					
31					
32					

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name : Ecotest Labs, Inc. Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Lab File ID: 01120902.D BFB Injection Date: 1/12/09

Instrument ID: GCMSV4 BFB Injection Time: 10:30

GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	20.4
75	30.0 - 66.0% of mass 95	51.9
95	Base peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	(0.0)1
174	50.0 - 120.0% of mass 95	88.5
175	4.0 - 9.0% of mass 174	(7.3)1
176	93.0 - 101.0% of mass 174	(98.1)1
177	5.0 - 9.0% of mass 176	(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	soil stnd 20ug/Kg	Continuing Calibration	01120905.D	01/12/09	11:49
02	soil stnd 1ug/Kg	Low level check standa	01120907.D	01/12/09	12:33
03	reference 10ug/Kg	Second Source Refere	01120908.D	01/12/09	13:24
04	soil blank 1g	Method Blank	01120913.D	01/12/09	15:13
05	290082.01 1g	Sample	01120917.D	01/12/09	16:41
06	290082.02 1g	Sample	01120918.D	01/12/09	17:03
07	290082.03 1g	Sample	01120919.D	01/12/09	17:25
08	290082.04 1g	Sample	01120920.D	01/12/09	17:47
09	290082.05 1g	Sample	01120921.D	01/12/09	18:09
10	290082.06 1g	Sample	01120922.D	01/12/09	18:31
11	290082.07 1g	Sample	01120923.D	01/12/09	18:53
12	290082.08 1g	Sample	01120924.D	01/12/09	19:15
13	290082.09 1g	Sample	01120925.D	01/12/09	19:37
14	290082.09 1g +20MS	Matrix Spike	01120926.D	01/12/09	19:59
15	290082.09 1g +20MSD	Matrix Spike Duplicate	01120927.D	01/12/09	20:21
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QC Check Standard Summary (VOC EPA 8260)

EcoTest Laboratories Inc.
Instrument ID: GCMSV4
Lab File ID: 01120908.D
Date of Analysis: 01/12/09.
Associated Samples: 290082.01 --> 282082.09.

Compound	Source	Target (ug/L)	Result (ug/L)	Lower control Limit (ug/L)	Upper control Limit (ug/L)	#
Dichlorodifluoromethane	(2)	10	12.0	5.9	13.4	
Chlorodifluoromethane	(3)	10	11.7	6.9	12.7	
Chloromethane	(2)	10	11.0	7.3	13.2	
Vinyl chloride	(2)	10	10.6	7.4	12.3	
Bromomethane	(2)	10	10.3	6.1	14.4	
Chloroethane	(2)	10	9.9	7.1	12.6	
Trichlorofluoromethane	(2)	10	10.8	7.3	11.6	
Freon 113	(3)	10	12.3	9.0	14.0	
1,1-Dichloroethene	(1)	10	11.6	7.8	11.6	
Acetone	(3)	100	97.2	66.3	124.7	
Methylene chloride	(1)	10	9.8	8.3	11.1	
trans-1,2-Dichloroethene	(1)	10	11.9	8.0	11.1	
tert-butyl methyl Ether	(3)	10	9.8	9.1	13.0	
1,1-Dichloroethane	(1)	10	10.8	7.7	11.7	
2,2-Dichloropropane	(1)	10	10.9	7.9	11.3	
cis-1,2-Dichloroethene	(1)	10	11.2	7.3	12.6	
Methyl ethyl ketone	(3)	100	91.6	71.2	137.5	
Chloroform	(1)	10	11.1	7.2	12.5	
Bromochloromethane	(1)	10	9.6	8.2	11.7	
1,1,1-Trichloroethane	(1)	10	10.3	7.2	11.0	
1,1-Dichloropropene	(1)	10	11.4	4.6	13.0	
Carbon tetrachloride	(1)	10	11.5	8.7	12.3	
Benzene	(1)	10	11.3	8.7	11.4	
1,2-Dichloroethane	(1)	10	10.4	8.5	11.9	
Trichloroethene	(1)	10	11.5	7.5	11.9	
1,2-Dichloropropane	(1)	10	10.4	8.4	11.9	
Bromodichloromethane	(1)	10	10.5	7.8	12.4	
Dibromomethane	(1)	10	11.3	8.1	11.2	
cis-1,3-Dichloropropene	(1)	10	10.8	7.7	10.9	
Methyl isobutyl ketone	(3)	100	91.5	80.9	116.8	
Toluene	(1)	10	11.6	7.4	12.1	
trans-1,3-Dichloropropene	(1)	10	10.0	7.6	11.3	
1,1,2-Trichloroethane	(1)	10	10.6	8.2	12.2	
Tetrachloroethene	(1)	10	11.5	6.3	12.2	
1,3-Dichloropropane	(1)	10	10.7	8.7	11.8	

#- Column to be used to flag reference result with an asterisk.
*- Result is outside of QC limits.

QC Check Standard Summary (VOC EPA 8260)

EcoTest Laboratories Inc.
Instrument ID: GCMSV4
Lab File ID: 01120908.D
Date of Analysis: 01/12/09.
Associated Samples: 290082.01 --> 282082.09.

Compound	Source	Target (ug/L)	Result (ug/L)	Upper control Limit (ug/L)	Lower Control Limit (ug/L)	#
Dibromochloromethane	(1)	10	11.0	8.5	12.4	
1,2-Dibromoethane	(1)	10	10.4	7.8	11.1	
Chlorobenzene	(1)	10	11.6	7.8	12.0	
1,1,1,2-Tetrachloroethane	(1)	10	11.0	8.0	11.6	
Ethyl Benzene	(1)	10	11.7	7.4	11.8	
M+P-Xylene	(1)	20	23.5	14.2	24.9	
O-Xylene	(1)	10	11.0	7.7	12.2	
Styrene	(1)	10	11.1	7.5	12.0	
Bromoform	(1)	10	10.2	8.0	11.8	
Isopropylbenzene	(1)	10	10.1	6.5	11.5	
1,1,2,2-Tetrachloroethane	(1)	10	10.2	7.9	12.2	
1,2,3-Trichloropropane	(1)	10	10.7	8.5	11.4	
Bromobenzene	(1)	10	11.9	6.7	13.2	
n-Propylbenzene	(1)	10	12.1	8.7	13.4	
p-Ethyltoluene	(3)	10	10.6	5.0	14.5	
2-Chlorotoluene	(1)	10	11.6	6.0	13.4	
1,3,5-Trimethylbenzene	(1)	10	11.4	5.3	12.8	
4-Chlorotoluene	(1)	10	11.7	5.1	14.1	
tert-Butylbenzene	(1)	10	11.4	6.0	12.7	
1,2,4-Trimethylbenzene	(1)	10	11.4	5.3	13.5	
sec-Butylbenzene	(1)	10	12.2	5.0	13.1	
p-Isoproyltoluene	(1)	10	11.8	4.3	12.9	
1,3-Dichlorobenzene	(1)	10	11.9	8.7	13.5	
1,4-Dichlorobenzene	(1)	10	12.2	8.6	13.7	
p-Diethylbenzene	(3)	10	10.9	7.7	14.5	
n-Butylbenzene	(1)	10	13.3	9.0	14.5	
1,2-Dichlorobenzene	(1)	10	11.6	7.8	14.6	
1,2,4,5-Tetramethylbenzene	(3)	10	10.3	5.0	15.7	
1,2-Dibromo-3-chloropropane	(1)	10	9.1	7.0	13.3	
1,2,4-Tirchlorobenzene	(1)	10	13.2	8.6	14.0	
Hexachlorobutadiene	(1)	10	13.5	3.8	16.5	
Naphthalene	(1)	10	11.0	6.3	15.2	
1,2,3-Trichlorobenzene	(1)	10	12.8	5.5	14.4	

#- Column to be used to flag reference result with an asterisk.
*- Result is outside of QC limits.

Source of Stock Standard

(1)- Austandar catalog# M-502A-R-10X.

(2)- Crescent Chamical catalog# CC2006.10.

(3)- Prepared by EcoTest from neat compound.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

soil blank

Lab Name: ECOTEST LABS Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) soil Lab Sample ID: soil blank

Sample wt/vol: 1.0 (g/mL) g Lab File ID: 01090913.D

Level: (low/med) low Date Received: na

% Solid: na Date Analyzed: 1/9/09

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5

Soil Extract Volume: na (mL) Soil Aliquot Volume: na (uL)

Concentration Units:
(ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	CONC.	Q
1. 75-71-8	Dichlordifluoromethane	5	U
2. 74-87-3	Chloromethane	5	U
3. 75-01-4	Vinyl Chloride	5	U
4. 74-83-9	Bromomethane	5	U
5. 75-00-3	Chloroethane	5	U
6. 75-69-4	Trichlorofluoromethane	5	U
7. 75-35-4	1,1 Dichloroethene	5	U
8. 75-09-2	Methylene Chloride	5	U
9. 156-60-5	t-1,2-Dichloroethene	5	U
10. 75-34-3	1,1 Dichloroethane	5	U
11. 594-20-7	2,2-Dichloropropane	5	U
12. 156-59-2	c-1,2-Dichloroethene	5	U
13. 74-97-5	Bromochloromethane	5	U
14. 67-66-3	Chloroform	5	U
15. 71-55-6	111 Trichloroethane	5	U
16. 56-23-5	Carbon Tetrachloride	5	U
17. 563-58-6	1,1-Dichloropropene	5	U
18. 71-43-2	Benzene	5	U
19. 107-06-2	1,2 Dichloroethane	5	U
20. 79-01-6	Trichloroethene	5	U
21. 78-87-5	1,2 Dichloropropane	5	U
22. 74-95-3	Dibromomethane	5	U
23. 75-27-4	Bromodichloromethane	5	U
24. 10061-01-5	c-1,3Dichloropropene	5	U
25. 108-88-3	Toluene	5	U
26. 10061-02-6	t-1,3Dichloropropene	5	U
27. 79-00-5	112 Trichloroethane	5	U
28. 127-18-4	Tetrachloroethene	5	U
29. 142-28-9	1,3-Dichloropropane	5	U
30. 124-48-1	Chlorodibromomethane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

soil blank

Lab Name: ECOTEST LABS Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) soil Lab Sample ID: soil blank

Sample wt/vol: 1.0 (g/mL) g Lab File ID: 01090913.D

Level: (low/med) low Date Received: na

% Solid: na Date Analyzed: 1/9/09

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5

Soil Extract Volume: na (mL) Soil Aliquot Volume: na (uL)

Concentration Units:
(ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	CONC.	Q
1. 106-93-4	1,2 Dibromoethane	5	U
2. 108-90-7	Chlorobenzene	5	U
3. 100-41-4	Ethyl Benzene	5	U
4. 630-20-6	1112Tetrachloroethane	5	U
5.	m + p Xylene	10	U
6. 95-47-6	o Xylene	5	U
7. 100-42-5	Styrene	5	U
8. 75-25-2	Bromoform	5	U
9. 98-82-8	Isopropylbenzene	5	U
10. 108-86-1	Bromobenzene	5	U
11. 79-34-5	1122Tetrachloroethane	5	U
12. 96-18-4	123-Trichloropropane	5	U
13. 103-65-1	n-Propylbenzene	5	U
14. 95-49-8	2-Chlorotoluene	5	U
15. 108-67-8	135-Trimethylbenzene	5	U
16. 106-43-4	4-Chlorotoluene	5	U
17. 98-06-6	tert-Butylbenzene	5	U
18. 95-63-6	124-Trimethylbenzene	5	U
19. 135-98-8	sec-Butylbenzene	5	U
20. 99-87-6	p-Isopropyltoluene	5	U
21. 541-73-1	1,3 Dichlorobenzene (v)	5	U
22. 106-46-7	1,4 Dichlorobenzene (v)	5	U
23. 104-51-8	n-Butylbenzene	5	U
24. 95-50-1	1,2 Dichlorobenzene (v)	5	U
25. 96-12-8	Dibromochloropropane	5	U
26. 120-82-1	124-Trichlorobenzene (v)	5	U
27. 87-68-3	Hexachlorobutadiene	5	U
28. 91-20-3	Naphthalene(v)	5	U
29. 87-61-6	123-Trichlorobenzene	5	U
30. 1634-04-4	ter.ButylMethylEther	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

soil blank

Lab Name: ECOTEST LABS Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) soil Lab Sample ID: soil blank

Sample wt/vol: 1.0 (g/mL) g Lab File ID: 01090913.D

Level: (low/med) low Date Received: na

% Solid: na Date Analyzed: 1/9/09

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5

Soil Extract Volume: na (mL) Soil Aliquot Volume: na (uL)

Concentration Units:
(ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	CONC.	Q
1. 622-96-8	p-Ethyltoluene	5	U
2. 76-13-1	Freon 113	5	U
3. 95-93-2	1245 Tetramethylbenz	5	U
4. 67-64-1	Acetone	50	U
5. 78-93-3	Methyl Ethyl Ketone	50	U
6. 108-10-1	Methylisobutylketone	50	U
7. 75-45-6	Chlorodifluoromethane	5	U
8. 105-05-5	p Diethylbenzene	5	U
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

292082.01

Lab Name: ECOTEST LABS Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) soil Lab Sample ID: 292082.01

Sample wt/vol: 1.0 (g/mL) g Lab File ID: 1120917.D

Level: (low/med) low Date Received: 1/8/09

% Solid: na Date Analyzed: 1/12/09

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5

Soil Extract Volume: na (mL) Soil Aliquot Volume: na (uL)

Concentration Units:
(ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	CONC.	Q
1. 75-71-8	Dichlordifluoromethane	5	U
2. 74-87-3	Chloromethane	5	U
3. 75-01-4	Vinyl Chloride	5	U
4. 74-83-9	Bromomethane	5	U
5. 75-00-3	Chloroethane	5	U
6. 75-69-4	Trichlorofluoromethane	5	U
7. 75-35-4	1,1 Dichloroethene	5	U
8. 75-09-2	Methylene Chloride	5	U
9. 156-60-5	t-1,2-Dichloroethene	5	U
10. 75-34-3	1,1 Dichloroethane	5	U
11. 594-20-7	2,2-Dichloropropane	5	U
12. 156-59-2	c-1,2-Dichloroethene	5	U
13. 74-97-5	Bromochloromethane	5	U
14. 67-66-3	Chloroform	5	U
15. 71-55-6	111 Trichloroethane	5	U
16. 56-23-5	Carbon Tetrachloride	5	U
17. 563-58-6	1,1-Dichloropropene	5	U
18. 71-43-2	Benzene	5	U
19. 107-06-2	1,2 Dichloroethane	5	U
20. 79-01-6	Trichloroethene	5	U
21. 78-87-5	1,2 Dichloropropane	5	U
22. 74-95-3	Dibromomethane	5	U
23. 75-27-4	Bromodichloromethane	5	U
24. 10061-01-5	c-1,3Dichloropropene	5	U
25. 108-88-3	Toluene	5	U
26. 10061-02-6	t-1,3Dichloropropene	5	U
27. 79-00-5	112 Trichloroethane	9	
28. 127-18-4	Tetrachloroethene	5	U
29. 142-28-9	1,3-Dichloropropane	5	U
30. 124-48-1	Chlorodibromomethane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

292082.01

Lab Name: ECOTEST LABS Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) soil Lab Sample ID: 292082.01

Sample wt/vol: 1.0 (g/mL) g Lab File ID: 1120917.D

Level: (low/med) low Date Received: 1/8/09

% Solid: na Date Analyzed: 1/12/09

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5

Soil Extract Volume: na (mL) Soil Aliquot Volume: na (uL)

Concentration Units:
(ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	CONC.	Q
1. 106-93-4	1,2 Dibromoethane	5	U
2. 108-90-7	Chlorobenzene	5	U
3. 100-41-4	Ethyl Benzene	5	U
4. 630-20-6	1112Tetrachloroethane	5	U
5.	m + p Xylene	10	U
6. 95-47-6	o Xylene	5	U
7. 100-42-5	Styrene	5	U
8. 75-25-2	Bromoform	5	U
9. 98-82-8	Isopropylbenzene	5	U
10. 108-86-1	Bromobenzene	5	U
11. 79-34-5	1122Tetrachloroethane	5	U
12. 96-18-4	123-Trichloropropane	5	U
13. 103-65-1	n-Propylbenzene	5	U
14. 95-49-8	2-Chlorotoluene	5	U
15. 108-67-8	135-Trimethylbenzene	5	U
16. 106-43-4	4-Chlorotoluene	5	U
17. 98-06-6	tert-Butylbenzene	5	U
18. 95-63-6	124-Trimethylbenzene	5	U
19. 135-98-8	sec-Butylbenzene	5	U
20. 99-87-6	p-Isopropyltoluene	5	U
21. 541-73-1	1,3 Dichlorobenzene (v)	5	U
22. 106-46-7	1,4 Dichlorobenzene (v)	5	U
23. 104-51-8	n-Butylbenzene	5	U
24. 95-50-1	1,2 Dichlorobenzene (v)	5	U
25. 96-12-8	Dibromochloropropane	5	U
26. 120-82-1	124-Trichlorobenzene (v)	5	U
27. 87-68-3	Hexachlorobutadiene	5	U
28. 91-20-3	Naphthalene(v)	5	U
29. 87-61-6	123-Trichlorobenzene	5	U
30. 1634-04-4	ter.ButylMethylEther	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

292082.01

Lab Name: ECOTEST LABS Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) soil Lab Sample ID: 292082.01

Sample wt/vol: 1.0 (g/mL) g Lab File ID: 1120917.D

Level: (low/med) low Date Received: 1/8/09

% Solid: na Date Analyzed: 1/12/09

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5

Soil Extract Volume: na (mL) Soil Aliquot Volume: na (uL)

Concentration Units:
(ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	CONC.	Q
1. 622-96-8	p-Ethyltoluene	5	U
2. 76-13-1	Freon 113	5	U
3. 95-93-2	1245 Tetramethylbenz	5	U
4. 67-64-1	Acetone	50	U
5. 78-93-3	Methyl Ethyl Ketone	50	U
6. 108-10-1	Methylisobutylketone	50	U
7. 75-45-6	Chlorodifluoromethane	5	U
8. 105-05-5	p Diethylbenzene	5	U
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

292082.02

Lab Name: ECOTEST LABS Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) soil Lab Sample ID: 292082.02

Sample wt/vol: 1.0 (g/mL) g Lab File ID: 1120918.D

Level: (low/med) low Date Received: 1/8/09

% Solid: na Date Analyzed: 1/12/09

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5

Soil Extract Volume: na (mL) Soil Aliquot Volume: na (uL)

Concentration Units:
(ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	CONC.	Q
1. 75-71-8	Dichlordifluoromethane	5	U
2. 74-87-3	Chloromethane	5	U
3. 75-01-4	Vinyl Chloride	5	U
4. 74-83-9	Bromomethane	5	U
5. 75-00-3	Chloroethane	5	U
6. 75-69-4	Trichlorofluoromethane	5	U
7. 75-35-4	1,1 Dichloroethene	5	U
8. 75-09-2	Methylene Chloride	5	U
9. 156-60-5	t-1,2-Dichloroethene	5	U
10. 75-34-3	1,1 Dichloroethane	5	U
11. 594-20-7	2,2-Dichloropropane	5	U
12. 156-59-2	c-1,2-Dichloroethene	5	U
13. 74-97-5	Bromochloromethane	5	U
14. 67-66-3	Chloroform	5	U
15. 71-55-6	111 Trichloroethane	5	U
16. 56-23-5	Carbon Tetrachloride	5	U
17. 563-58-6	1,1-Dichloropropene	5	U
18. 71-43-2	Benzene	5	U
19. 107-06-2	1,2 Dichloroethane	5	U
20. 79-01-6	Trichloroethene	5	U
21. 78-87-5	1,2 Dichloropropane	5	U
22. 74-95-3	Dibromomethane	5	U
23. 75-27-4	Bromodichloromethane	5	U
24. 10061-01-5	c-1,3Dichloropropene	5	U
25. 108-88-3	Toluene	5	U
26. 10061-02-6	t-1,3Dichloropropene	5	U
27. 79-00-5	112 Trichloroethane	5	U
28. 127-18-4	Tetrachloroethene	9	
29. 142-28-9	1,3-Dichloropropane	5	U
30. 124-48-1	Chlorodibromomethane	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

292082.02

Lab Name: ECOTEST LABS Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) soil Lab Sample ID: 292082.02

Sample wt/vol: 1.0 (g/mL) g Lab File ID: 1120918.D

Level: (low/med) low Date Received: 1/8/09

% Solid: na Date Analyzed: 1/12/09

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5

Soil Extract Volume: na (mL) Soil Aliquot Volume: na (uL)

Concentration Units:
(ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	CONC.	Q
1. 106-93-4	1,2 Dibromoethane	5	U
2. 108-90-7	Chlorobenzene	5	U
3. 100-41-4	Ethyl Benzene	5	U
4. 630-20-6	1112Tetrachloroethane	5	U
5.	m + p Xylene	10	U
6. 95-47-6	o Xylene	5	U
7. 100-42-5	Styrene	5	U
8. 75-25-2	Bromoform	5	U
9. 98-82-8	Isopropylbenzene	5	U
10. 108-86-1	Bromobenzene	5	U
11. 79-34-5	1122Tetrachloroethane	5	U
12. 96-18-4	123-Trichloropropane	5	U
13. 103-65-1	n-Propylbenzene	5	U
14. 95-49-8	2-Chlorotoluene	5	U
15. 108-67-8	135-Trimethylbenzene	5	U
16. 106-43-4	4-Chlorotoluene	5	U
17. 98-06-6	tert-Butylbenzene	5	U
18. 95-63-6	124-Trimethylbenzene	5	U
19. 135-98-8	sec-Butylbenzene	5	U
20. 99-87-6	p-Isopropyltoluene	5	U
21. 541-73-1	1,3 Dichlorobenzene (v)	5	U
22. 106-46-7	1,4 Dichlorobenzene (v)	5	U
23. 104-51-8	n-Butylbenzene	5	U
24. 95-50-1	1,2 Dichlorobenzene (v)	5	U
25. 96-12-8	Dibromochloropropane	5	U
26. 120-82-1	124-Trichlorobenzene (v)	5	U
27. 87-68-3	Hexachlorobutadiene	5	U
28. 91-20-3	Naphthalene(v)	5	U
29. 87-61-6	123-Trichlorobenzene	5	U
30. 1634-04-4	ter.ButylMethylEther	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

292082.02

Lab Name: ECOTEST LABS Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) soil Lab Sample ID: 292082.02

Sample wt/vol: 1.0 (g/mL) g Lab File ID: 1120918.D

Level: (low/med) low Date Received: 1/8/09

% Solid: na Date Analyzed: 1/12/09

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5

Soil Extract Volume: na (mL) Soil Aliquot Volume: na (uL)

Concentration Units:
(ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	CONC.	Q
1. 622-96-8	p-Ethyltoluene	5	U
2. 76-13-1	Freon 113	5	U
3. 95-93-2	1245 Tetramethylbenz	5	U
4. 67-64-1	Acetone	50	U
5. 78-93-3	Methyl Ethyl Ketone	50	U
6. 108-10-1	Methylisobutylketone	50	U
7. 75-45-6	Chlorodifluoromethane	5	U
8. 105-05-5	p Diethylbenzene	5	U
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

292082.03

Lab Name: ECOTEST LABS Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) soil Lab Sample ID: 292082.03

Sample wt/vol: 1.0 (g/mL) g Lab File ID: 1120919.D

Level: (low/med) low Date Received: 1/8/09

% Solid: na Date Analyzed: 1/12/09

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5

Soil Extract Volume: na (mL) Soil Aliquot Volume: na (uL)

Concentration Units:
(ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	CONC.	Q
1. 75-71-8	Dichlordifluoromethane	5	U
2. 74-87-3	Chloromethane	5	U
3. 75-01-4	Vinyl Chloride	5	U
4. 74-83-9	Bromomethane	5	U
5. 75-00-3	Chloroethane	5	U
6. 75-69-4	Trichlorofluoromethane	5	U
7. 75-35-4	1,1 Dichloroethene	5	U
8. 75-09-2	Methylene Chloride	5	U
9. 156-60-5	t-1,2-Dichloroethene	5	U
10. 75-34-3	1,1 Dichloroethane	5	U
11. 594-20-7	2,2-Dichloropropane	5	U
12. 156-59-2	c-1,2-Dichloroethene	5	U
13. 74-97-5	Bromochloromethane	5	U
14. 67-66-3	Chloroform	5	U
15. 71-55-6	111 Trichloroethane	5	U
16. 56-23-5	Carbon Tetrachloride	5	U
17. 563-58-6	1,1-Dichloropropene	5	U
18. 71-43-2	Benzene	5	U
19. 107-06-2	1,2 Dichloroethane	5	U
20. 79-01-6	Trichloroethene	5	U
21. 78-87-5	1,2 Dichloropropane	5	U
22. 74-95-3	Dibromomethane	5	U
23. 75-27-4	Bromodichloromethane	5	U
24. 10061-01-5	c-1,3Dichloropropene	5	U
25. 108-88-3	Toluene	5	U
26. 10061-02-6	t-1,3Dichloropropene	5	U
27. 79-00-5	112 Trichloroethane	5	U
28. 127-18-4	Tetrachloroethene	5	U
29. 142-28-9	1,3-Dichloropropane	5	U
30. 124-48-1	Chlorodibromomethane	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

292082.03

Lab Name: ECOTEST LABS Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) soil Lab Sample ID: 292082.03

Sample wt/vol: 1.0 (g/mL) g Lab File ID: 1120919.D

Level: (low/med) low Date Received: 1/8/09

% Solid: na Date Analyzed: 1/12/09

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5

Soil Extract Volume: na (mL) Soil Aliquot Volume: na (uL)

Concentration Units:
(ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	CONC.	Q
1. 106-93-4	1,2 Dibromoethane	5	U
2. 108-90-7	Chlorobenzene	5	U
3. 100-41-4	Ethyl Benzene	5	U
4. 630-20-6	1112Tetrachloroethane	5	U
5.	m + p Xylene	10	U
6. 95-47-6	o Xylene	5	U
7. 100-42-5	Styrene	5	U
8. 75-25-2	Bromoform	5	U
9. 98-82-8	Isopropylbenzene	5	U
10. 108-86-1	Bromobenzene	5	U
11. 79-34-5	1122Tetrachloroethane	5	U
12. 96-18-4	123-Trichloropropane	5	U
13. 103-65-1	n-Propylbenzene	5	U
14. 95-49-8	2-Chlorotoluene	5	U
15. 108-67-8	135-Trimethylbenzene	5	U
16. 106-43-4	4-Chlorotoluene	5	U
17. 98-06-6	tert-Butylbenzene	5	U
18. 95-63-6	124-Trimethylbenzene	5	U
19. 135-98-8	sec-Butylbenzene	5	U
20. 99-87-6	p-Isopropyltoluene	5	U
21. 541-73-1	1,3 Dichlorobenzene (v)	5	U
22. 106-46-7	1,4 Dichlorobenzene (v)	5	U
23. 104-51-8	n-Butylbenzene	5	U
24. 95-50-1	1,2 Dichlorobenzene (v)	5	U
25. 96-12-8	Dibromochloropropane	5	U
26. 120-82-1	124-Trichlorobenzene (v)	5	U
27. 87-68-3	Hexachlorobutadiene	5	U
28. 91-20-3	Naphthalene(v)	5	U
29. 87-61-6	123-Trichlorobenzene	5	U
30. 1634-04-4	ter.ButylMethylEther	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

292082.03

Lab Name: ECOTEST LABS Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) soil Lab Sample ID: 292082.03

Sample wt/vol: 1.0 (g/mL) g Lab File ID: 1120919.D

Level: (low/med) low Date Received: 1/8/09

% Solid: na Date Analyzed: 1/12/09

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5

Soil Extract Volume: na (mL) Soil Aliquot Volume: na (uL)

Concentration Units:
(ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	CONC.	Q
1. 622-96-8	p-Ethyltoluene	5	U
2. 76-13-1	Freon 113	5	U
3. 95-93-2	1245 Tetramethylbenz	5	U
4. 67-64-1	Acetone	50	U
5. 78-93-3	Methyl Ethyl Ketone	50	U
6. 108-10-1	Methylisobutylketone	50	U
7. 75-45-6	Chlorodifluoromethane	5	U
8. 105-05-5	p Diethylbenzene	5	U
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

292082.04

Lab Name: ECOTEST LABS Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) soil Lab Sample ID: 292082.04

Sample wt/vol: 1.0 (g/mL) g Lab File ID: 1120920.D

Level: (low/med) low Date Received: 1/8/09

% Solid: na Date Analyzed: 1/12/09

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5

Soil Extract Volume: na (mL) Soil Aliquot Volume: na (uL)

Concentration Units:
(ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	CONC.	Q
1. 75-71-8	Dichlordifluoromethane	5	U
2. 74-87-3	Chloromethane	5	U
3. 75-01-4	Vinyl Chloride	5	U
4. 74-83-9	Bromomethane	5	U
5. 75-00-3	Chloroethane	5	U
6. 75-69-4	Trichlorofluoromethane	5	U
7. 75-35-4	1,1 Dichloroethene	5	U
8. 75-09-2	Methylene Chloride	5	U
9. 156-60-5	t-1,2-Dichloroethene	5	U
10. 75-34-3	1,1 Dichloroethane	5	U
11. 594-20-7	2,2-Dichloropropane	5	U
12. 156-59-2	c-1,2-Dichloroethene	5	U
13. 74-97-5	Bromochloromethane	5	U
14. 67-66-3	Chloroform	5	U
15. 71-55-6	111 Trichloroethane	5	U
16. 56-23-5	Carbon Tetrachloride	5	U
17. 563-58-6	1,1-Dichloropropene	5	U
18. 71-43-2	Benzene	5	U
19. 107-06-2	1,2 Dichloroethane	5	U
20. 79-01-6	Trichloroethene	5	U
21. 78-87-5	1,2 Dichloropropane	5	U
22. 74-95-3	Dibromomethane	5	U
23. 75-27-4	Bromodichloromethane	5	U
24. 10061-01-5	c-1,3Dichloropropene	5	U
25. 108-88-3	Toluene	5	U
26. 10061-02-6	t-1,3Dichloropropene	5	U
27. 79-00-5	112 Trichloroethane	5	U
28. 127-18-4	Tetrachloroethene	5	U
29. 142-28-9	1,3-Dichloropropane	5	U
30. 124-48-1	Chlorodibromomethane	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

292082.04

Lab Name: ECOTEST LABS Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) soil Lab Sample ID: 292082.04

Sample wt/vol: 1.0 (g/mL) g Lab File ID: 1120920.D

Level: (low/med) low Date Received: 1/8/09

% Solid: na Date Analyzed: 1/12/09

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5

Soil Extract Volume: na (mL) Soil Aliquot Volume: na (uL)

Concentration Units:
(ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	CONC.	Q
1. 106-93-4	1,2 Dibromoethane	5	U
2. 108-90-7	Chlorobenzene	5	U
3. 100-41-4	Ethyl Benzene	5	U
4. 630-20-6	1112Tetrachloroethane	5	U
5.	m + p Xylene	10	U
6. 95-47-6	o Xylene	5	U
7. 100-42-5	Styrene	5	U
8. 75-25-2	Bromoform	5	U
9. 98-82-8	Isopropylbenzene	5	U
10. 108-86-1	Bromobenzene	5	U
11. 79-34-5	1122Tetrachloroethane	5	U
12. 96-18-4	123-Trichloropropane	5	U
13. 103-65-1	n-Propylbenzene	5	U
14. 95-49-8	2-Chlorotoluene	5	U
15. 108-67-8	135-Trimethylbenzene	5	U
16. 106-43-4	4-Chlorotoluene	5	U
17. 98-06-6	tert-Butylbenzene	5	U
18. 95-63-6	124-Trimethylbenzene	5	U
19. 135-98-8	sec-Butylbenzene	5	U
20. 99-87-6	p-Isopropyltoluene	5	U
21. 541-73-1	1,3 Dichlorobenzene (v)	5	U
22. 106-46-7	1,4 Dichlorobenzene (v)	5	U
23. 104-51-8	n-Butylbenzene	5	U
24. 95-50-1	1,2 Dichlorobenzene (v)	5	U
25. 96-12-8	Dibromochloropropane	5	U
26. 120-82-1	124-Trichlorobenzene (v)	5	U
27. 87-68-3	Hexachlorobutadiene	5	U
28. 91-20-3	Naphthalene(v)	5	U
29. 87-61-6	123-Trichlorobenzene	5	U
30. 1634-04-4	ter.ButylMethylEther	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

292082.04

Lab Name: ECOTEST LABS Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) soil Lab Sample ID: 292082.04

Sample wt/vol: 1.0 (g/mL) g Lab File ID: 1120920.D

Level: (low/med) low Date Received: 1/8/09

% Solid: na Date Analyzed: 1/12/09

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5

Soil Extract Volume: na (mL) Soil Aliquot Volume: na (uL)

Concentration Units:
(ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	CONC.	Q
1. 622-96-8	p-Ethyltoluene	5	U
2. 76-13-1	Freon 113	5	U
3. 95-93-2	1245 Tetramethylbenz	5	U
4. 67-64-1	Acetone	50	U
5. 78-93-3	Methyl Ethyl Ketone	50	U
6. 108-10-1	Methylisobutylketone	50	U
7. 75-45-6	Chlorodifluoromethane	5	U
8. 105-05-5	p Diethylbenzene	5	U
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

292082.05

Lab Name: ECOTEST LABS Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) soil Lab Sample ID: 292082.05

Sample wt/vol: 1.0 (g/mL) g Lab File ID: 1120921.D

Level: (low/med) low Date Received: 1/8/09

% Solid: na Date Analyzed: 1/12/09

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5

Soil Extract Volume: na (mL) Soil Aliquot Volume: na (ul.)

Concentration Units:
(ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	CONC.	Q
1. 75-71-8	Dichlordifluoromethane	5	U
2. 74-87-3	Chloromethane	5	U
3. 75-01-4	Vinyl Chloride	5	U
4. 74-83-9	Bromomethane	5	U
5. 75-00-3	Chloroethane	5	U
6. 75-69-4	Trichlorofluoromethane	5	U
7. 75-35-4	1,1 Dichloroethene	5	U
8. 75-09-2	Methylene Chloride	5	U
9. 156-60-5	t-1,2-Dichloroethene	5	U
10. 75-34-3	1,1 Dichloroethane	5	U
11. 594-20-7	2,2-Dichloropropane	5	U
12. 156-59-2	c-1,2-Dichloroethene	5	U
13. 74-97-5	Bromochloromethane	5	U
14. 67-66-3	Chloroform	5	U
15. 71-55-6	111 Trichloroethane	5	U
16. 56-23-5	Carbon Tetrachloride	5	U
17. 563-58-6	1,1-Dichloropropene	5	U
18. 71-43-2	Benzene	5	U
19. 107-06-2	1,2 Dichloroethane	5	U
20. 79-01-6	Trichloroethene	5	U
21. 78-87-5	1,2 Dichloropropane	5	U
22. 74-95-3	Dibromomethane	5	U
23. 75-27-4	Bromodichloromethane	5	U
24. 10061-01-5	c-1,3Dichloropropene	5	U
25. 108-88-3	Toluene	5	U
26. 10061-02-6	t-1,3Dichloropropene	5	U
27. 79-00-5	112 Trichloroethane	5	U
28. 127-18-4	Tetrachloroethene	5	U
29. 142-28-9	1,3-Dichloropropane	5	U
30. 124-48-1	Chlorodibromomethane	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

292082.05

Lab Name: ECOTEST LABS Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) soil Lab Sample ID: 292082.05

Sample wt/vol: 1.0 (g/mL) g Lab File ID: 1120921.D

Level: (low/med) low Date Received: 1/8/09

% Solid: na Date Analyzed: 1/12/09

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5

Soil Extract Volume: na (mL) Soil Aliquot Volume: na (ul.)

Concentration Units:
(ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	CONC.	Q
1. 106-93-4	1,2 Dibromoethane	5	U
2. 108-90-7	Chlorobenzene	5	U
3. 100-41-4	Ethyl Benzene	5	U
4. 630-20-6	1112Tetrachloroethane	5	U
5.	m + p Xylene	10	U
6. 95-47-6	o Xylene	5	U
7. 100-42-5	Styrene	5	U
8. 75-25-2	Bromoform	5	U
9. 98-82-8	Isopropylbenzene	5	U
10. 108-86-1	Bromobenzene	5	U
11. 79-34-5	1122Tetrachloroethane	5	U
12. 96-18-4	123-Trichloropropane	5	U
13. 103-65-1	n-Propylbenzene	5	U
14. 95-49-8	2-Chlorotoluene	5	U
15. 108-67-8	135-Trimethylbenzene	5	U
16. 106-43-4	4-Chlorotoluene	5	U
17. 98-06-6	tert-Butylbenzene	5	U
18. 95-63-6	124-Trimethylbenzene	5	U
19. 135-98-8	sec-Butylbenzene	5	U
20. 99-87-6	p-Isopropyltoluene	5	U
21. 541-73-1	1,3 Dichlorobenzene (v)	5	U
22. 106-46-7	1,4 Dichlorobenzene (v)	5	U
23. 104-51-8	n-Butylbenzene	5	U
24. 95-50-1	1,2 Dichlorobenzene (v)	5	U
25. 96-12-8	Dibromochloropropane	5	U
26. 120-82-1	124-Trichlorobenzene (v)	5	U
27. 87-68-3	Hexachlorobutadiene	5	U
28. 91-20-3	Naphthalene(v)	5	U
29. 87-61-6	123-Trichlorobenzene	5	U
30. 1634-04-4	ter.ButylMethylEther	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

292082.05

Lab Name: ECOTEST LABS Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) soil Lab Sample ID: 292082.05

Sample wt/vol: 1.0 (g/mL) g Lab File ID: 1120921.D

Level: (low/med) low Date Received: 1/8/09

% Solid: na Date Analyzed: 1/12/09

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5

Soil Extract Volume: na (mL) Soil Aliquot Volume: na (ul.)

Concentration Units:
(ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	CONC.	Q
1. 622-96-8	p-Ethyltoluene	5	U
2. 76-13-1	Freon 113	5	U
3. 95-93-2	1245 Tetramethylbenz	5	U
4. 67-64-1	Acetone	50	U
5. 78-93-3	Methyl Ethyl Ketone	50	U
6. 108-10-1	Methylisobutylketone	50	U
7. 75-45-6	Chlorodifluoromethane	5	U
8. 105-05-5	p Diethylbenzene	5	U
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

292082.06

Lab Name: ECOTEST LABS Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) soil Lab Sample ID: 292082.06

Sample wt/vol: 1.0 (g/mL) g Lab File ID: 1120922.D

Level: (low/med) low Date Received: 1/8/09

% Solid: na Date Analyzed: 1/12/09

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5

Soil Extract Volume: na (mL) Soil Aliquot Volume: na (uL)

Concentration Units:
(ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	CONC.	Q
1. 75-71-8	Dichlordifluoromethane	5	U
2. 74-87-3	Chloromethane	5	U
3. 75-01-4	Vinyl Chloride	5	U
4. 74-83-9	Bromomethane	5	U
5. 75-00-3	Chloroethane	5	U
6. 75-69-4	Trichlorofluoromethane	5	U
7. 75-35-4	1,1 Dichloroethene	5	U
8. 75-09-2	Methylene Chloride	5	U
9. 156-60-5	t-1,2-Dichloroethene	5	U
10. 75-34-3	1,1 Dichloroethane	5	U
11. 594-20-7	2,2-Dichloropropane	5	U
12. 156-59-2	c-1,2-Dichloroethene	5	U
13. 74-97-5	Bromochloromethane	5	U
14. 67-66-3	Chloroform	5	U
15. 71-55-6	111 Trichloroethane	5	U
16. 56-23-5	Carbon Tetrachloride	5	U
17. 563-58-6	1,1-Dichloropropene	5	U
18. 71-43-2	Benzene	5	U
19. 107-06-2	1,2 Dichloroethane	5	U
20. 79-01-6	Trichloroethene	5	U
21. 78-87-5	1,2 Dichloropropane	5	U
22. 74-95-3	Dibromomethane	5	U
23. 75-27-4	Bromodichloromethane	5	U
24. 10061-01-5	c-1,3Dichloropropene	5	U
25. 108-88-3	Toluene	5	U
26. 10061-02-6	t-1,3Dichloropropene	5	U
27. 79-00-5	112 Trichloroethane	5	U
28. 127-18-4	Tetrachloroethene	5	U
29. 142-28-9	1,3-Dichloropropane	5	U
30. 124-48-1	Chlorodibromomethane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

292082.06

Lab Name: ECOTEST LABS Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) soil Lab Sample ID: 292082.06

Sample wt/vol: 1.0 (g/mL) g Lab File ID: 1120922.D

Level: (low/med) low Date Received: 1/8/09

% Solid: na Date Analyzed: 1/12/09

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5

Soil Extract Volume: na (mL) Soil Aliquot Volume: na (uL)

Concentration Units:
(ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	CONC.	Q
1. 106-93-4	1,2 Dibromoethane	5	U
2. 108-90-7	Chlorobenzene	5	U
3. 100-41-4	Ethyl Benzene	5	U
4. 630-20-6	1112Tetrachloroethane	5	U
5.	m + p Xylene	10	U
6. 95-47-6	o Xylene	5	U
7. 100-42-5	Styrene	5	U
8. 75-25-2	Bromoform	5	U
9. 98-82-8	Isopropylbenzene	5	U
10. 108-86-1	Bromobenzene	5	U
11. 79-34-5	1122Tetrachloroethane	5	U
12. 96-18-4	123-Trichloropropane	5	U
13. 103-65-1	n-Propylbenzene	5	U
14. 95-49-8	2-Chlorotoluene	5	U
15. 108-67-8	135-Trimethylbenzene	5	U
16. 106-43-4	4-Chlorotoluene	5	U
17. 98-06-6	tert-Butylbenzene	5	U
18. 95-63-6	124-Trimethylbenzene	5	U
19. 135-98-8	sec-Butylbenzene	5	U
20. 99-87-6	p-Isopropyltoluene	5	U
21. 541-73-1	1,3 Dichlorobenzene (v)	5	U
22. 106-46-7	1,4 Dichlorobenzene (v)	5	U
23. 104-51-8	n-Butylbenzene	5	U
24. 95-50-1	1,2 Dichlorobenzene (v)	5	U
25. 96-12-8	Dibromochloropropane	5	U
26. 120-82-1	124-Trichlorobenzene (v)	5	U
27. 87-68-3	Hexachlorobutadiene	5	U
28. 91-20-3	Naphthalene(v)	5	U
29. 87-61-6	123-Trichlorobenzene	5	U
30. 1634-04-4	ter.ButylMethylEther	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

292082.06

Lab Name: ECOTEST LABS Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) soil Lab Sample ID: 292082.06

Sample wt/vol: 1.0 (g/mL) g Lab File ID: 1120922.D

Level: (low/med) low Date Received: 1/8/09

% Solid: na Date Analyzed: 1/12/09

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5

Soil Extract Volume: na (mL) Soil Aliquot Volume: na (uL)

Concentration Units:
(ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	CONC.	Q
1. 622-96-8	p-Ethyltoluene	5	U
2. 76-13-1	Freon 113	5	U
3. 95-93-2	1245 Tetramethylbenz	5	U
4. 67-64-1	Acetone	50	U
5. 78-93-3	Methyl Ethyl Ketone	50	U
6. 108-10-1	Methylisobutylketone	50	U
7. 75-45-6	Chlorodifluoromethane	5	U
8. 105-05-5	p Diethylbenzene	5	U
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

292082.07

Lab Name: ECOTEST LABS Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) soil Lab Sample ID: 292082.07

Sample wt/vol: 1.0 (g/mL) g Lab File ID: 1120923.D

Level: (low/med) low Date Received: 1/8/09

% Solid: na Date Analyzed: 1/12/09

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5

Soil Extract Volume: na (mL) Soil Aliquot Volume: na (uL)

Concentration Units:
(ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	CONC.	Q
1. 75-71-8	Dichlordifluoromethane	5	U
2. 74-87-3	Chloromethane	5	U
3. 75-01-4	Vinyl Chloride	5	U
4. 74-83-9	Bromomethane	5	U
5. 75-00-3	Chloroethane	5	U
6. 75-69-4	Trichlorofluoromethane	5	U
7. 75-35-4	1,1 Dichloroethene	5	U
8. 75-09-2	Methylene Chloride	5	U
9. 156-60-5	t-1,2-Dichloroethene	5	U
10. 75-34-3	1,1 Dichloroethane	5	U
11. 594-20-7	2,2-Dichloropropane	5	U
12. 156-59-2	c-1,2-Dichloroethene	5	U
13. 74-97-5	Bromochloromethane	5	U
14. 67-66-3	Chloroform	5	U
15. 71-55-6	111 Trichloroethane	5	U
16. 56-23-5	Carbon Tetrachloride	5	U
17. 563-58-6	1,1-Dichloropropene	5	U
18. 71-43-2	Benzene	5	U
19. 107-06-2	1,2 Dichloroethane	5	U
20. 79-01-6	Trichloroethene	5	U
21. 78-87-5	1,2 Dichloropropane	5	U
22. 74-95-3	Dibromomethane	5	U
23. 75-27-4	Bromodichloromethane	5	U
24. 10061-01-5	c-1,3Dichloropropene	5	U
25. 108-88-3	Toluene	5	U
26. 10061-02-6	t-1,3Dichloropropene	5	U
27. 79-00-5	112 Trichloroethane	5	U
28. 127-18-4	Tetrachloroethene	10	
29. 142-28-9	1,3-Dichloropropane	5	U
30. 124-48-1	Chlorodibromomethane	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

292082.07

Lab Name: ECOTEST LABS Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) soil Lab Sample ID: 292082.07

Sample wt/vol: 1.0 (g/mL) g Lab File ID: 1120923.D

Level: (low/med) low Date Received: 1/8/09

% Solid: na Date Analyzed: 1/12/09

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5

Soil Extract Volume: na (mL) Soil Aliquot Volume: na (uL)

Concentration Units:
(ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	CONC.	Q
1. 106-93-4	1,2 Dibromoethane	5	U
2. 108-90-7	Chlorobenzene	5	U
3. 100-41-4	Ethyl Benzene	5	U
4. 630-20-6	1112Tetrachloroethane	5	U
5.	m + p Xylene	10	U
6. 95-47-6	o Xylene	5	U
7. 100-42-5	Styrene	5	U
8. 75-25-2	Bromoform	5	U
9. 98-82-8	Isopropylbenzene	5	U
10. 108-86-1	Bromobenzene	5	U
11. 79-34-5	1122Tetrachloroethane	5	U
12. 96-18-4	123-Trichloropropane	5	U
13. 103-65-1	n-Propylbenzene	5	U
14. 95-49-8	2-Chlorotoluene	5	U
15. 108-67-8	135-Trimethylbenzene	5	U
16. 106-43-4	4-Chlorotoluene	5	U
17. 98-06-6	tert-Butylbenzene	5	U
18. 95-63-6	124-Trimethylbenzene	5	U
19. 135-98-8	sec-Butylbenzene	5	U
20. 99-87-6	p-Isopropyltoluene	5	U
21. 541-73-1	1,3 Dichlorobenzene (v)	5	U
22. 106-46-7	1,4 Dichlorobenzene (v)	5	U
23. 104-51-8	n-Butylbenzene	5	U
24. 95-50-1	1,2 Dichlorobenzene (v)	5	U
25. 96-12-8	Dibromochloropropane	5	U
26. 120-82-1	124-Trichlorobenzene (v)	5	U
27. 87-68-3	Hexachlorobutadiene	5	U
28. 91-20-3	Naphthalene(v)	5	U
29. 87-61-6	123-Trichlorobenzene	5	U
30. 1634-04-4	ter.ButylMethylEther	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

292082.07

Lab Name: ECOTEST LABS Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) soil Lab Sample ID: 292082.07

Sample wt/vol: 1.0 (g/mL) g Lab File ID: 1120923.D

Level: (low/med) low Date Received: 1/8/09

% Solid: na Date Analyzed: 1/12/09

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5

Soil Extract Volume: na (mL) Soil Aliquot Volume: na (uL)

Concentration Units:
(ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	CONC.	Q
1. 622-96-8	p-Ethyltoluene	5	U
2. 76-13-1	Freon 113	5	U
3. 95-93-2	1245 Tetramethylbenz	5	U
4. 67-64-1	Acetone	50	U
5. 78-93-3	Methyl Ethyl Ketone	50	U
6. 108-10-1	Methylisobutylketone	50	U
7. 75-45-6	Chlorodifluoromethane	5	U
8. 105-05-5	p Diethylbenzene	5	U
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

292082.08

Lab Name: ECOTEST LABS Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) soil Lab Sample ID: 292082.08

Sample wt/vol: 1.0 (g/mL) g Lab File ID: 1120924.D

Level: (low/med) low Date Received: 1/8/09

% Solid: na Date Analyzed: 1/12/09

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5

Soil Extract Volume: na (mL) Soil Aliquot Volume: na (uL)

Concentration Units:
(ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	CONC.	Q
1. 75-71-8	Dichlordifluoromethane	5	U
2. 74-87-3	Chloromethane	5	U
3. 75-01-4	Vinyl Chloride	5	U
4. 74-83-9	Bromomethane	5	U
5. 75-00-3	Chloroethane	5	U
6. 75-69-4	Trichlorofluoromethane	5	U
7. 75-35-4	1,1 Dichloroethene	5	U
8. 75-09-2	Methylene Chloride	8	
9. 156-60-5	t-1,2-Dichloroethene	5	U
10. 75-34-3	1,1 Dichloroethane	5	U
11. 594-20-7	2,2-Dichloropropane	5	U
12. 156-59-2	c-1,2-Dichloroethene	5	
13. 74-97-5	Bromochloromethane	5	U
14. 67-66-3	Chloroform	5	U
15. 71-55-6	111 Trichloroethane	5	U
16. 56-23-5	Carbon Tetrachloride	5	U
17. 563-58-6	1,1-Dichloropropene	5	U
18. 71-43-2	Benzene	5	U
19. 107-06-2	1,2 Dichloroethane	5	U
20. 79-01-6	Trichloroethene	5	U
21. 78-87-5	1,2 Dichloropropane	5	U
22. 74-95-3	Dibromomethane	5	U
23. 75-27-4	Bromodichloromethane	5	U
24. 10061-01-5	c-1,3Dichloropropene	5	U
25. 108-88-3	Toluene	5	U
26. 10061-02-6	t-1,3Dichloropropene	5	U
27. 79-00-5	112 Trichloroethane	5	U
28. 127-18-4	Tetrachloroethene	99	
29. 142-28-9	1,3-Dichloropropane	5	U
30. 124-48-1	Chlorodibromomethane	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

292082.08

Lab Name: ECOTEST LABS Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) soil Lab Sample ID: 292082.08

Sample wt/vol: 1.0 (g/mL) g Lab File ID: 1120924.D

Level: (low/med) low Date Received: 1/8/09

% Solid: na Date Analyzed: 1/12/09

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5

Soil Extract Volume: na (mL) Soil Aliquot Volume: na (uL)

Concentration Units:
(ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	CONC.	Q
1. 106-93-4	1,2 Dibromoethane	5	U
2. 108-90-7	Chlorobenzene	5	U
3. 100-41-4	Ethyl Benzene	5	U
4. 630-20-6	1112Tetrachloroethane	5	U
5.	m + p Xylene	10	U
6. 95-47-6	o Xylene	5	U
7. 100-42-5	Styrene	5	U
8. 75-25-2	Bromoform	5	U
9. 98-82-8	Isopropylbenzene	5	U
10. 108-86-1	Bromobenzene	5	U
11. 79-34-5	1122Tetrachloroethane	5	U
12. 96-18-4	123-Trichloropropane	5	U
13. 103-65-1	n-Propylbenzene	5	U
14. 95-49-8	2-Chlorotoluene	5	U
15. 108-67-8	135-Trimethylbenzene	7	
16. 106-43-4	4-Chlorotoluene	5	U
17. 98-06-6	tert-Butylbenzene	5	U
18. 95-63-6	124-Trimethylbenzene	11	
19. 135-98-8	sec-Butylbenzene	5	U
20. 99-87-6	p-Isopropyltoluene	5	U
21. 541-73-1	1,3 Dichlorobenzene (v)	5	U
22. 106-46-7	1,4 Dichlorobenzene (v)	5	U
23. 104-51-8	n-Butylbenzene	5	U
24. 95-50-1	1,2 Dichlorobenzene (v)	27	
25. 96-12-8	Dibromochloropropane	5	U
26. 120-82-1	124-Trichlorobenzene (v)	5	U
27. 87-68-3	Hexachlorobutadiene	5	U
28. 91-20-3	Naphthalene(v)	5	U
29. 87-61-6	123-Trichlorobenzene	5	U
30. 1634-04-4	ter.ButylMethylEther	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

292082.08

Lab Name: ECOTEST LABS Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) soil Lab Sample ID: 292082.08

Sample wt/vol: 1.0 (g/mL) g Lab File ID: 1120924.D

Level: (low/med) low Date Received: 1/8/09

% Solid: na Date Analyzed: 1/12/09

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5

Soil Extract Volume: na (mL) Soil Aliquot Volume: na (uL)

Concentration Units:
(ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	CONC.	Q
1. 622-96-8	p-Ethyltoluene	5	U
2. 76-13-1	Freon 113	5	U
3. 95-93-2	1245 Tetramethylbenz	15	
4. 67-64-1	Acetone	50	U
5. 78-93-3	Methyl Ethyl Ketone	50	U
6. 108-10-1	Methylisobutylketone	50	U
7. 75-45-6	Chlorodifluoromethane	5	U
8. 105-05-5	p Diethylbenzene	5	U
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

292082.09

Lab Name: ECOTEST LABS Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) soil Lab Sample ID: 292082.09

Sample wt/vol: 1.0 (g/mL) g Lab File ID: 1120925.D

Level: (low/med) low Date Received: 1/8/09

% Solid: na Date Analyzed: 1/12/09

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5

Soil Extract Volume: na (mL) Soil Aliquot Volume: na (uL)

Concentration Units:
(ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	CONC.	Q
1. 75-71-8	Dichlordifluoromethane	5	U
2. 74-87-3	Chloromethane	5	U
3. 75-01-4	Vinyl Chloride	5	U
4. 74-83-9	Bromomethane	5	U
5. 75-00-3	Chloroethane	5	U
6. 75-69-4	Trichlorofluoromethane	5	U
7. 75-35-4	1,1 Dichloroethene	5	U
8. 75-09-2	Methylene Chloride	5	U
9. 156-60-5	t-1,2-Dichloroethene	5	U
10. 75-34-3	1,1 Dichloroethane	5	U
11. 594-20-7	2,2-Dichloropropane	5	U
12. 156-59-2	c-1,2-Dichloroethene	5	U
13. 74-97-5	Bromochloromethane	5	U
14. 67-66-3	Chloroform	5	U
15. 71-55-6	111 Trichloroethane	5	U
16. 56-23-5	Carbon Tetrachloride	5	U
17. 563-58-6	1,1-Dichloropropene	5	U
18. 71-43-2	Benzene	5	U
19. 107-06-2	1,2 Dichloroethane	5	U
20. 79-01-6	Trichloroethene	5	U
21. 78-87-5	1,2 Dichloropropane	5	U
22. 74-95-3	Dibromomethane	5	U
23. 75-27-4	Bromodichloromethane	5	U
24. 10061-01-5	c-1,3Dichloropropene	5	U
25. 108-88-3	Toluene	5	U
26. 10061-02-6	t-1,3Dichloropropene	5	U
27. 79-00-5	112 Trichloroethane	5	U
28. 127-18-4	Tetrachloroethene	5	U
29. 142-28-9	1,3-Dichloropropane	5	U
30. 124-48-1	Chlorodibromomethane	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

292082.09

Lab Name: ECOTEST LABS Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) soil Lab Sample ID: 292082.09

Sample wt/vol: 1.0 (g/mL) g Lab File ID: 1120925.D

Level: (low/med) low Date Received: 1/8/09

% Solid: na Date Analyzed: 1/12/09

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5

Soil Extract Volume: na (mL) Soil Aliquot Volume: na (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	CONC.	Q
1. 106-93-4	1,2 Dibromoethane	5	U
2. 108-90-7	Chlorobenzene	5	U
3. 100-41-4	Ethyl Benzene	5	U
4. 630-20-6	1112Tetrachloroethane	5	U
5.	m + p Xylene	10	U
6. 95-47-6	o Xylene	5	U
7. 100-42-5	Styrene	5	U
8. 75-25-2	Bromoform	5	U
9. 98-82-8	Isopropylbenzene	5	U
10. 108-86-1	Bromobenzene	5	U
11. 79-34-5	1122Tetrachloroethane	5	U
12. 96-18-4	123-Trichloropropane	5	U
13. 103-65-1	n-Propylbenzene	5	U
14. 95-49-8	2-Chlorotoluene	5	U
15. 108-67-8	135-Trimethylbenzene	5	U
16. 106-43-4	4-Chlorotoluene	5	U
17. 98-06-6	tert-Butylbenzene	5	U
18. 95-63-6	124-Trimethylbenzene	5	U
19. 135-98-8	sec-Butylbenzene	5	U
20. 99-87-6	p-Isopropyltoluene	5	U
21. 541-73-1	1,3 Dichlorobenzene (v)	5	U
22. 106-46-7	1,4 Dichlorobenzene (v)	5	U
23. 104-51-8	n-Butylbenzene	5	U
24. 95-50-1	1,2 Dichlorobenzene (v)	5	U
25. 96-12-8	Dibromochloropropane	5	U
26. 120-82-1	124-Trichlorobenzene (v)	5	U
27. 87-68-3	Hexachlorobutadiene	5	U
28. 91-20-3	Naphthalene(v)	5	U
29. 87-61-6	123-Trichlorobenzene	5	U
30. 1634-04-4	ter.ButylMethylEther	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

292082.09

Lab Name: ECOTEST LABS Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) soil Lab Sample ID: 292082.09

Sample wt/vol: 1.0 (g/mL) g Lab File ID: 1120925.D

Level: (low/med) low Date Received: 1/8/09

% Solid: na Date Analyzed: 1/12/09

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5

Soil Extract Volume: na (mL) Soil Aliquot Volume: na (uL)

Concentration Units:
(ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	CONC.	Q
1. 622-96-8	p-Ethyltoluene	5	U
2. 76-13-1	Freon 113	5	U
3. 95-93-2	1245 Tetramethylbenz	5	U
4. 67-64-1	Acetone	50	U
5. 78-93-3	Methyl Ethyl Ketone	50	U
6. 108-10-1	Methylisobutylketone	50	U
7. 75-45-6	Chlorodifluoromethane	5	U
8. 105-05-5	p Diethylbenzene	5	U
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10.			
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Raw Data

-Method Blanks
-Samples
-Standard Spectra
-Matrix Spikes/Matrix Spike Duplicates
-Reference Samples
-Initial Calibration
-Continuing Calibration
-Tentatively Identified Compounds

Method blanks

Summary Reports
Quant Reports and Chomatogarams
Spectra for positive hits.

4A

VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

soil blank

Lab Name: Ecotest Labs, Inc. Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Lab File ID: 01120913.D Lab Sample ID: soil blank

Date Analyzed: 1/12/09 Time Analyzed: 15:13

GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) Y

Instrument ID: GCMSV4

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	290082.01 1g	Sample	01120917.D	16:41
02	290082.02 1g	Sample	01120918.D	17:03
03	290082.03 1g	Sample	01120919.D	17:25
04	290082.04 1g	Sample	01120920.D	17:47
05	290082.05 1g	Sample	01120921.D	18:09
06	290082.06 1g	Sample	01120922.D	18:31
07	290082.07 1g	Sample	01120923.D	18:53
08	290082.08 1g	Sample	01120924.D	19:15
09	290082.09 1g	Sample	01120925.D	19:37
10	290082.09 1g +20MS	Matrix Spike	01120926.D	19:59
11	290082.09 1g +20MSD	Matrix Spike Duplicate	01120927.D	20:21
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COMMENTS:

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120913.D Vial: 13
Acq On : 12 Jan 2009 3:13 pm Operator:
Sample : soil blank 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 12 15:26:54 2009 Quant Results File: VS010909.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) pentafluorobenzene	3.38	168	2956878	50.00 ug/L	0.00
24) 1,4-difluorobenzene	3.93	114	4339802	50.00 ug/L	0.00
42) chlorobenzene-d5	6.21	82	1905633	50.00 ug/L	0.00
55) 1,4-dichlorobenzene-d4	8.13	152	1943081	50.00 ug/L	0.00
System Monitoring Compounds					
27) 1,2-dichloroethane-d4	3.39	102	296663	49.86 ug/L	0.00
37) toluene-d8	5.18	98	5065336	48.32 ug/L	0.00
41) 4-bromofluorobenzene	7.14	174	1343471	42.75 ug/L	0.00
Target Compounds					Qvalue
2) dichlorodifluoromethane	0.00	85	0	N.D.	
3) chlorodifluoromethane	0.00	51	0	N.D.	
4) chloromethane	0.00	50	0	N.D.	
5) vinyl chloride	0.00	62	0	N.D.	
6) bromomethane	1.48	96	6681m	0.37 ug/L	
7) chloroethane	0.00	64	0	N.D.	
8) trichlorofluoromethane	0.00	101	0	N.D.	
9) freon	2.10	151	6506m	0.27 ug/L	
10) acetone	0.00	58	0	N.D.	
11) 1,1-dichloroethene	0.00	96	0	N.D.	
12) methylene chloride	2.08	84	50967	Below Cal	90
13) carbon disulfide	2.20	76	10483m	0.11 ug/L	
14) tert-butylmethylether	0.00	73	0	N.D.	
15) trans-1,2-dichloroethene	0.00	96	0	N.D.	
16) vinyl acetate	0.00	43	0	N.D.	
17) 1,1-dichloroethane	0.00	63	0	N.D.	
18) methyl ethyl ketone	0.00	72	0	N.D.	
19) 2,2-dichloropropane	0.00	77	0	N.D.	
20) cis-1,2-dichloroethene	0.00	96	0	N.D.	
21) chloroform	3.03	83	23546	0.43 ug/L	92
22) bromochloromethane	0.00	128	0	N.D.	
23) 1,1,1-trichloroethane	0.00	97	0	N.D.	
25) 1,1-dichloropropene	0.00	75	0	N.D.	
26) carbon tetrachloride	0.00	119	0	N.D.	
28) 1,2-dichloroethane	3.40	62	2790	N.D.	
29) benzene	0.00	78	0	N.D.	
30) trichloroethene	0.00	95	0	N.D.	
31) 1,2-dichloropropane	0.00	63	0	N.D.	
32) bromodichloromethane	4.22	83	9846	0.25 ug/L #	24
33) dibromomethane	0.00	93	0	N.D.	
34) 2-chloroethylvinylether	0.00	63	0	N.D.	
35) 4-methyl-2-pentanone	0.00	43	0	N.D.	
36) cis-1,3-dichloropropene	0.00	75	0	N.D.	
38) toluene	5.23	91	22452m	0.18 ug/L	
39) trans-1,3-dichloropropene	0.00	75	0	N.D.	
40) 1,1,2-trichloroethane	0.00	83	0	N.D.	
43) 2-hexanone	0.00	43	0	N.D.	
44) 1,3-dichloropropane	5.23	76	3842	N.D.	
45) tetrachloroethene	0.00	166	0	N.D.	
46) dibromochloromethane	5.43	129	5573m	0.21 ug/L	
47) 1,2-dibromoethane	0.00	107	0	N.D.	
48) chlorobenzene	0.00	112	0	N.D.	
49) 1,1,1,2-tetrachloroethane	0.00	131	0	N.D.	
50) ethylbenzene	6.39	91	2956	N.D.	
51) m+p xylene	6.56	106	6434m	0.13 ug/l	
52) o-xylene	6.84	106	3068	N.D.	
53) styrene	6.80	104	1436	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120913.D Vial: 13
Acq On : 12 Jan 2009 3:13 pm Operator:
Sample : soil blank 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 12 15:26:54 2009 Quant Results File: VS010909.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
54)	bromoform	0.00	173	0	N.D.	
56)	isopropylbenzene	0.00	105	0	N.D.	
57)	1,1,2,2-tetrachloroethane	0.00	83	0	N.D.	
58)	1,2,3-trichloropropane	0.00	75	0	N.D.	
59)	n-propylbenzene	0.00	91	0	N.D.	
60)	bromobenzene	0.00	156	0	N.D.	
61)	p-ethyltoluene	0.00	105	0	N.D.	
62)	1,3,5-trimethylbenzene	0.00	120	0	N.D.	
63)	2-chlorotoluene	0.00	126	0	N.D.	
64)	4-chlorotoluene	0.00	126	0	N.D.	
65)	tert-butylbenzene	0.00	134	0	N.D.	
66)	1,2,4-trimethylbenzene	0.00	105	0	N.D.	
67)	sec-butylbenzene	0.00	105	0	N.D.	
68)	4-isopropyltoluene	0.00	119	0	N.D.	
69)	1,3-dichlorobenzene	0.00	146	0	N.D.	
70)	1,4-dichlorobenzene	0.00	146	0	N.D.	
71)	1,2,3-trimethylbenzene	0.00	105	0	N.D.	
72)	n-butylbenzene	0.00	92	0	N.D.	
73)	p-diethylbenzene	0.00	119	0	N.D.	
74)	1,2-dichlorobenzene	0.00	146	0	N.D.	
75)	1,2,4,5-tetramethylbenzene	0.00	119	0	N.D.	
76)	1,2-dibromo-3-chloropropan	0.00	157	0	N.D.	
77)	1,2,4-trichlorobenzene	0.00	180	0	N.D.	
78)	hexachlorobutadiene	0.00	225	0	N.D.	
79)	naphthalene	0.00	128	0	N.D.	
80)	1,2,3-trichlorobenzene	0.00	180	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120913.D Vial: 13
Acq On : 12 Jan 2009 3:13 pm Operator:
Sample : soil blank 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 11:25:10 2009 Quant Results File: VS010909A.RES

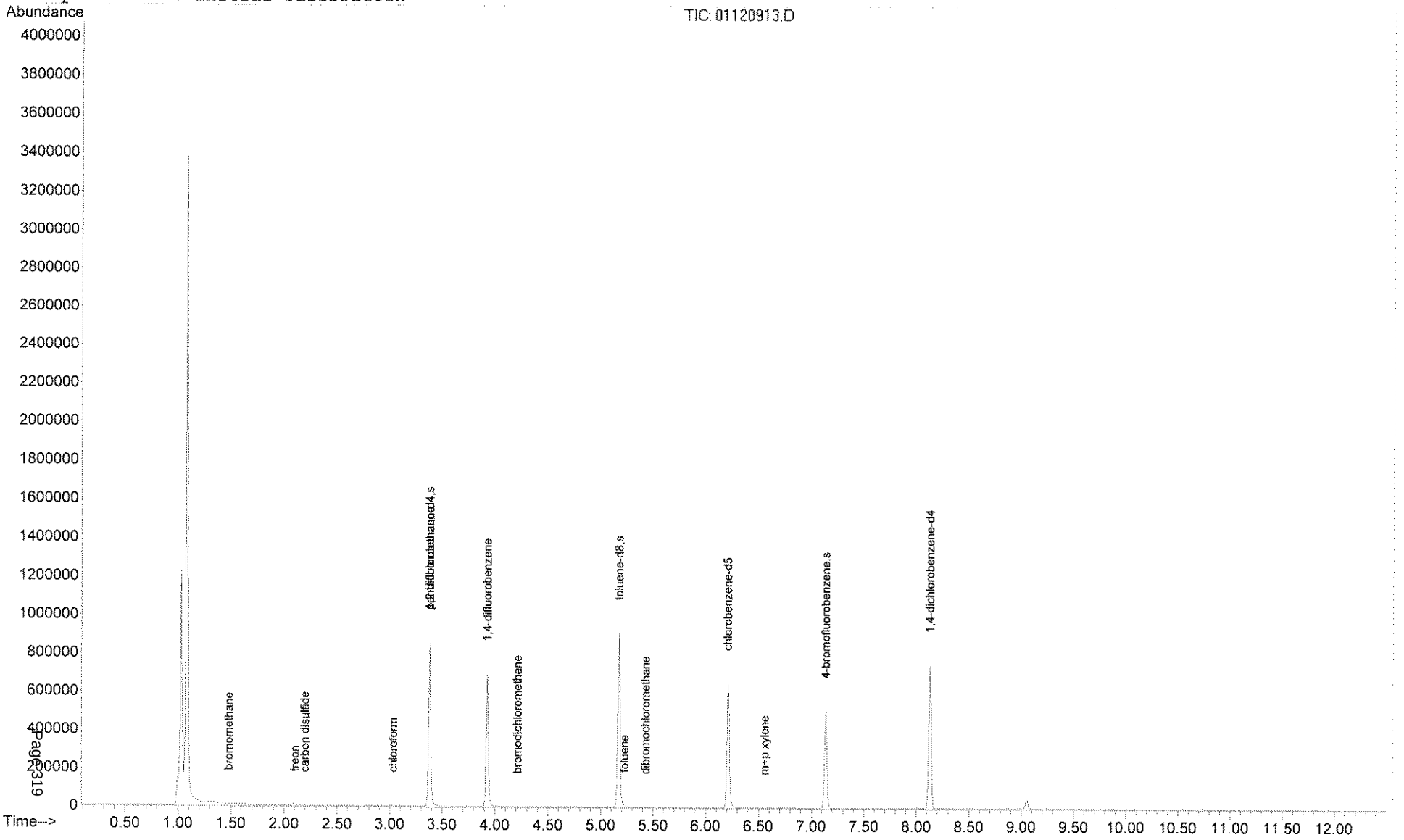
Quant Method : C:\MSDCHEM\1\METHODS\VS010909A.M (Chemstation Integrator)
Title :
Last Update : Tue Jan 13 11:21:35 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) pentafluorobenzene	3.38	168	2956878	50.00	ug/L	0.00
3) 1,4-difluorobenzene	3.93	114	4339802	50.00	ug/L	0.00
7) chlorobenzene-d5	6.21	82	1905633	50.00	ug/L	0.00
8) 1,4-dichlorobenzene-d4	8.13	152	1943081	50.00	ug/L	0.00
System Monitoring Compounds						
4) 1,2-dichloroethane-d4	3.39	102	295953	49.70	ug/L	0.00
5) toluene-d8	5.18	98	5065336	48.96	ug/L	0.00
6) 4-bromofluorobenzene	7.14	174	1343471	46.09	ug/L	0.00
Target Compounds						Qvalue
2) methylene chloride	2.08	84	52112m	Below Cal		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120913.D Vial: 13
Acq On : 12 Jan 2009 3:13 pm Operator:
Sample : soil blank 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 12 15:27 2009 Quant Results File: VS010909.RES

Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration



Samples

Quant Reports and Chromatograms
Spectra for positive Hits

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120917.D Vial: 17
Acq On : 12 Jan 2009 4:41 pm Operator:
Sample : 290082.01 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 12 17:39:33 2009 Quant Results File: VS010909.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) pentafluorobenzene	3.39	168	3432675	50.00 ug/L	0.00
24) 1,4-difluorobenzene	3.93	114	4809348	50.00 ug/L	0.00
42) chlorobenzene-d5	6.22	82	2075778	50.00 ug/L	0.00
55) 1,4-dichlorobenzene-d4	8.14	152	2158769	50.00 ug/L	0.00
System Monitoring Compounds					
27) 1,2-dichloroethane-d4	3.39	102	332475	50.42 ug/L	0.00
37) toluene-d8	5.18	98	5626493	48.43 ug/L	0.00
41) 4-bromofluorobenzene	7.14	174	1517545	43.58 ug/L	0.00
Target Compounds					Qvalue
2) dichlorodifluoromethane	1.19	85	7804m	0.20 ug/L	
3) chlorodifluoromethane	0.00	51	0	N.D.	
4) chloromethane	0.00	50	0	N.D.	
5) vinyl chloride	0.00	62	0	N.D.	
6) bromomethane	1.48	96	6077m	0.29 ug/L	
7) chloroethane	0.00	64	0	N.D.	
8) trichlorofluoromethane	0.00	101	0	N.D.	
9) freon	2.11	151	5608m	0.20 ug/L	
10) acetone	1.81	58	11953m	5.09 ug/L	
11) 1,1-dichloroethene	0.00	96	0	N.D.	
12) methylene chloride	2.09	84	68788	Below Cal	90
13) carbon disulfide	2.20	76	13955m	0.13 ug/L	
14) tert-butylmethylether	0.00	73	0	N.D.	
15) trans-1,2-dichloroethene	0.00	96	0	N.D.	
16) vinyl acetate	0.00	43	0	N.D.	
17) 1,1-dichloroethane	0.00	63	0	N.D.	
18) methyl ethyl ketone	0.00	72	0	N.D.	
19) 2,2-dichloropropane	0.00	77	0	N.D.	
20) cis-1,2-dichloroethene	0.00	96	0	N.D.	
21) chloroform	3.03	83	26778	0.42 ug/L	84
22) bromochloromethane	0.00	128	0	N.D.	
23) 1,1,1-trichloroethane	0.00	97	0	N.D.	
25) 1,1-dichloropropene	0.00	75	0	N.D.	
26) carbon tetrachloride	0.00	119	0	N.D.	
28) 1,2-dichloroethane	3.38	62	20127	0.51 ug/L #	1
29) benzene	0.00	78	0	N.D.	
30) trichloroethene	0.00	95	0	N.D.	
31) 1,2-dichloropropane	0.00	63	0	N.D.	
32) bromodichloromethane	4.22	83	7940	0.18 ug/L #	24
33) dibromomethane	0.00	93	0	N.D.	
34) 2-chloroethylvinylether	0.00	63	0	N.D.	
35) 4-methyl-2-pentanone	0.00	43	0	N.D.	
36) cis-1,3-dichloropropene	0.00	75	0	N.D.	
38) toluene	5.22	91	22559	0.17 ug/L #	23
39) trans-1,3-dichloropropene	0.00	75	0	N.D.	
40) 1,1,2-trichloroethane	0.00	83	0	N.D.	
43) 2-hexanone	0.00	43	0	N.D.	
44) 1,3-dichloropropane	5.20	76	2617	N.D.	
45) tetrachloroethene	5.75	166	54091	1.78 ug/L	89
46) dibromochloromethane	5.44	129	6417m	0.22 ug/L	
47) 1,2-dibromoethane	0.00	107	0	N.D.	
48) chlorobenzene	0.00	112	0	N.D.	
49) 1,1,1,2-tetrachloroethane	0.00	131	0	N.D.	
50) ethylbenzene	0.00	91	0	N.D.	
51) m+p xylene	0.00	106	0	N.D.	
52) o-xylene	0.00	106	0	N.D.	
53) styrene	0.00	104	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120917.D Vial: 17
Acq On : 12 Jan 2009 4:41 pm Operator:
Sample : 290082.01 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 12 17:39:33 2009 Quant Results File: VS010909.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
54)	bromoform	0.00	173	0	N.D.	
56)	isopropylbenzene	0.00	105	0	N.D.	
57)	1,1,2,2-tetrachloroethane	0.00	83	0	N.D.	
58)	1,2,3-trichloropropane	0.00	75	0	N.D.	
59)	n-propylbenzene	0.00	91	0	N.D.	
60)	bromobenzene	0.00	156	0	N.D.	
61)	p-ethyltoluene	0.00	105	0	N.D.	
62)	1,3,5-trimethylbenzene	0.00	120	0	N.D.	
63)	2-chlorotoluene	0.00	126	0	N.D.	
64)	4-chlorotoluene	0.00	126	0	N.D.	
65)	tert-butylbenzene	0.00	134	0	N.D.	
66)	1,2,4-trimethylbenzene	0.00	105	0	N.D.	
67)	sec-butylbenzene	0.00	105	0	N.D.	
68)	4-isopropyltoluene	0.00	119	0	N.D.	
69)	1,3-dichlorobenzene	0.00	146	0	N.D.	
70)	1,4-dichlorobenzene	0.00	146	0	N.D.	
71)	1,2,3-trimethylbenzene	0.00	105	0	N.D.	
72)	n-butylbenzene	0.00	92	0	N.D.	
73)	p-diethylbenzene	0.00	119	0	N.D.	
74)	1,2-dichlorobenzene	0.00	146	0	N.D.	
75)	1,2,4,5-tetramethylbenzene	0.00	119	0	N.D.	
76)	1,2-dibromo-3-chloropropan	0.00	157	0	N.D.	
77)	1,2,4-trichlorobenzene	0.00	180	0	N.D.	
78)	hexachlorobutadiene	0.00	225	0	N.D.	
79)	naphthalene	0.00	128	0	N.D.	
80)	1,2,3-trichlorobenzene	0.00	180	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

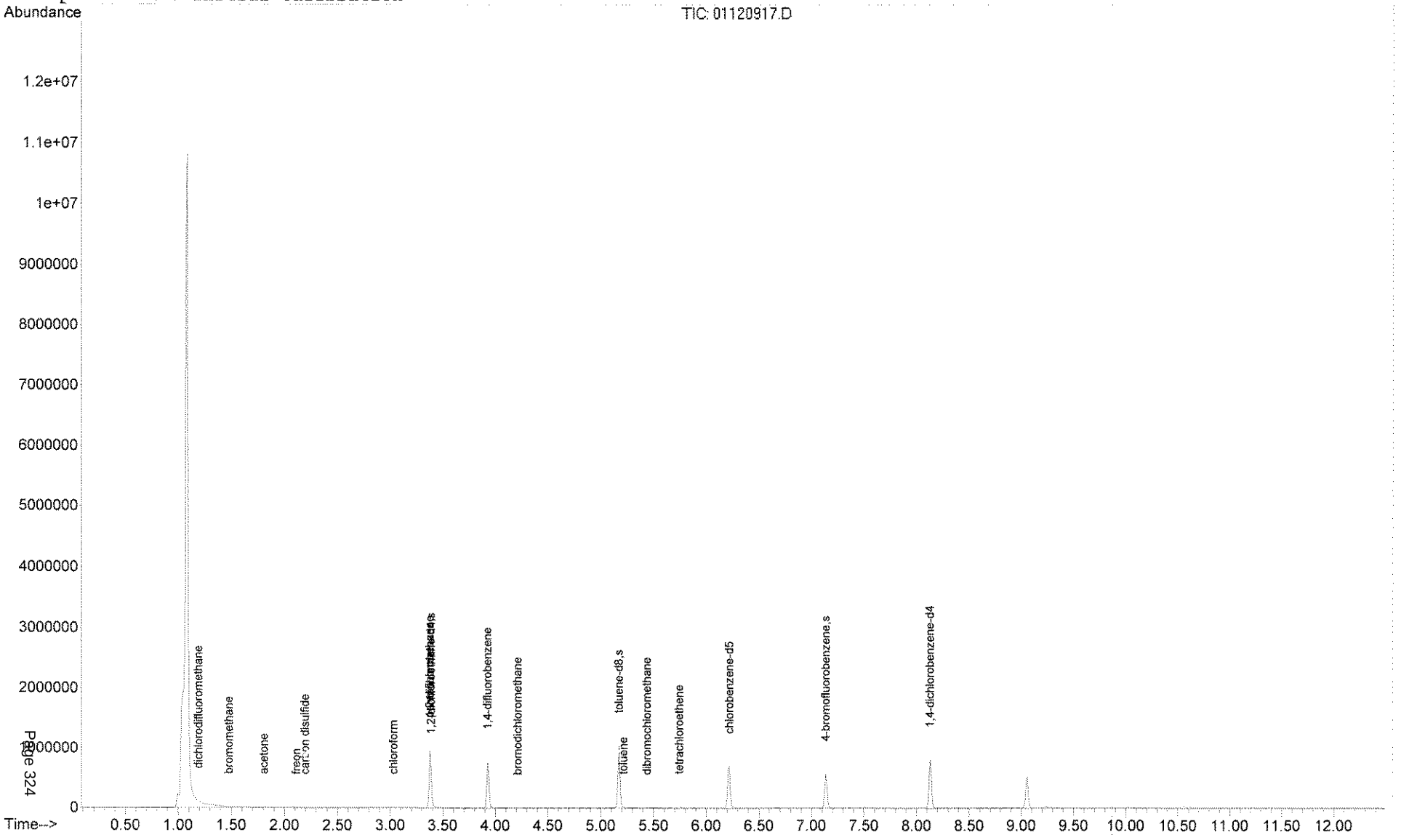
Data File : C:\MSDCHEM\1\DATA\0109\011209\01120917.D Vial: 17
Acq On : 12 Jan 2009 4:41 pm Operator:
Sample : 290082.01 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 11:25:14 2009 Quant Results File: VS010909A.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909A.M (Chemstation Integrator)
Title :
Last Update : Tue Jan 13 11:21:35 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) pentafluorobenzene	3.39	168	3432675	50.00	ug/L	0.00
3) 1,4-difluorobenzene	3.93	114	4809348	50.00	ug/L	0.00
7) chlorobenzene-d5	6.22	82	2075778	50.00	ug/L	0.00
8) 1,4-dichlorobenzene-d4	8.14	152	2158769	50.00	ug/L	0.00
System Monitoring Compounds						
4) 1,2-dichloroethane-d4	3.39	102	332475	50.38	ug/L	0.00
5) toluene-d8	5.18	98	5626381	49.07	ug/L	0.00
6) 4-bromofluorobenzene	7.14	174	1517545	46.97	ug/L	0.00
Target Compounds						Qvalue
2) methylene chloride	2.09	84	68788	N.D.		

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120917.D Vial: 17
Acq On : 12 Jan 2009 4:41 pm Operator:
Sample : 290082.01 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 9:42 2009 Quant Results File: VS010909.RES

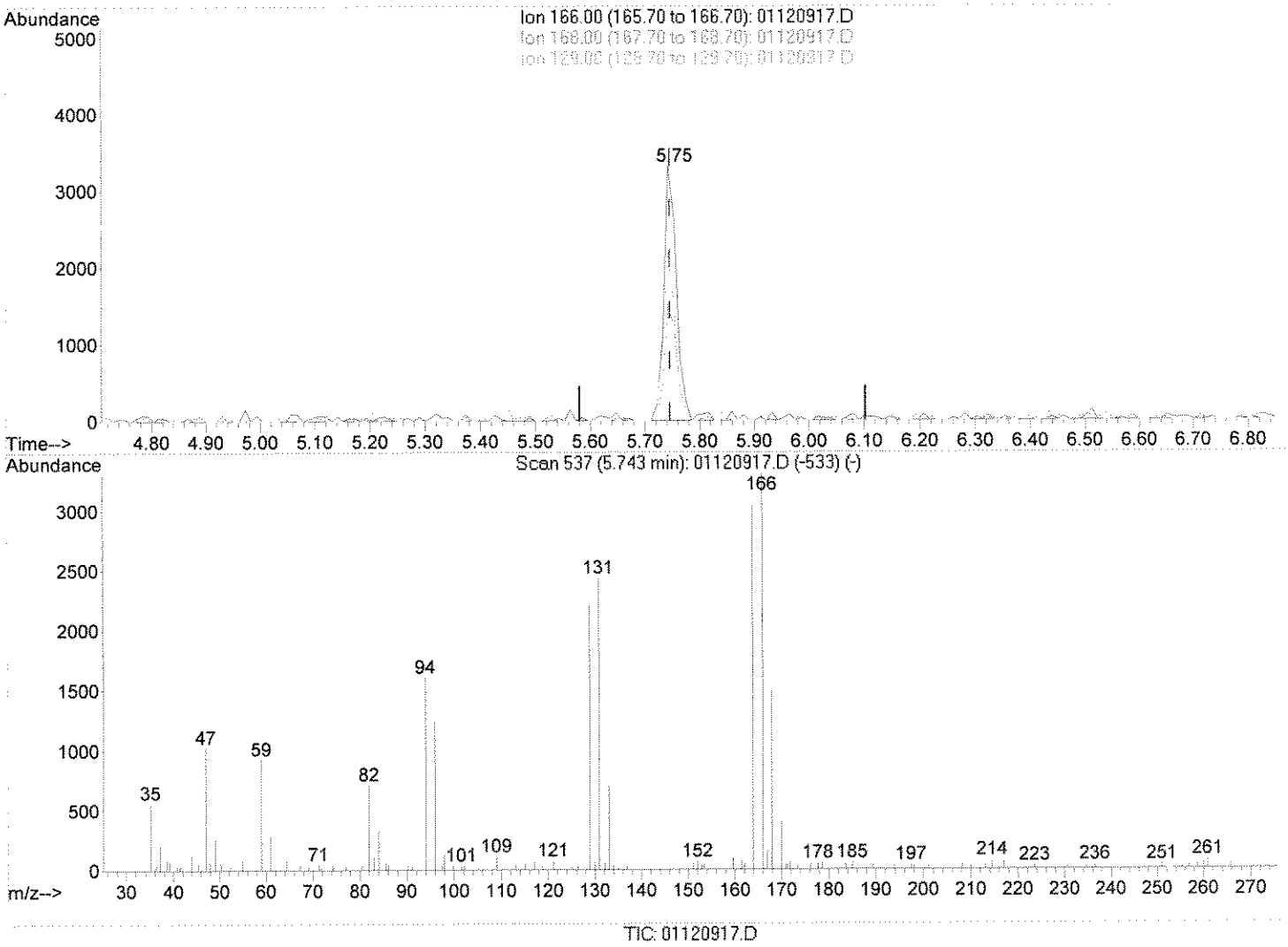
Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120917.D Vial: 17
Acq On : 12 Jan 2009 4:41 pm Operator:
Sample : 290082.01 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 9:42 2009 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Multiple Level Calibration



TIC: 01120917.D

(45) tetrachloroethene

5.75min (+0.004) 1.78ug/L

response 54091

Ion	Exp%	Act%
166.00	100	100
168.00	48.20	43.34
129.00	74.20	63.35
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120918.D Vial: 18
Acq On : 12 Jan 2009 5:03 pm Operator:
Sample : 290082.02 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 12 17:39:46 2009 Quant Results File: VS010909.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) pentafluorobenzene	3.39	168	3288578	50.00 ug/L	0.00
24) 1,4-difluorobenzene	3.93	114	4703680	50.00 ug/L	0.00
42) chlorobenzene-d5	6.22	82	2068379	50.00 ug/L	0.00
55) 1,4-dichlorobenzene-d4	8.14	152	2097303	50.00 ug/L	0.00
System Monitoring Compounds					
27) 1,2-dichloroethane-d4	3.39	102	331217	51.36 ug/L	0.00
37) toluene-d8	5.18	98	5515230	48.54 ug/L	0.00
41) 4-bromofluorobenzene	7.14	174	1428709	41.95 ug/L	0.00
Target Compounds					Qvalue
2) dichlorodifluoromethane	1.19	85	10512m	0.27 ug/L	
3) chlorodifluoromethane	0.00	51	0	N.D.	
4) chloromethane	0.00	50	0	N.D.	
5) vinyl chloride	0.00	62	0	N.D.	
6) bromomethane	0.00	96	0	N.D.	
7) chloroethane	0.00	64	0	N.D.	
8) trichlorofluoromethane	0.00	101	0	N.D.	
9) freon	0.00	151	0	N.D.	
10) acetone	1.81	58	10450	4.64 ug/L	90
11) 1,1-dichloroethene	0.00	96	0	N.D.	
12) methylene chloride	2.09	84	58165	Below Cal	92
13) carbon disulfide	0.00	76	0	N.D.	
14) tert-butylmethylether	0.00	73	0	N.D.	
15) trans-1,2-dichloroethene	0.00	96	0	N.D.	
16) vinyl acetate	0.00	43	0	N.D.	
17) 1,1-dichloroethane	0.00	63	0	N.D.	
18) methyl ethyl ketone	0.00	72	0	N.D.	
19) 2,2-dichloropropane	0.00	77	0	N.D.	
20) cis-1,2-dichloroethene	0.00	96	0	N.D.	
21) chloroform	3.03	83	26713	0.44 ug/L	94
22) bromochloromethane	0.00	128	0	N.D.	
23) 1,1,1-trichloroethane	0.00	97	0	N.D.	
25) 1,1-dichloropropene	0.00	75	0	N.D.	
26) carbon tetrachloride	0.00	119	0	N.D.	
28) 1,2-dichloroethane	3.43	62	924	N.D.	
29) benzene	0.00	78	0	N.D.	
30) trichloroethene	0.00	95	0	N.D.	
31) 1,2-dichloropropane	0.00	63	0	N.D.	
32) bromodichloromethane	0.00	83	0	N.D.	
33) dibromomethane	0.00	93	0	N.D.	
34) 2-chloroethylvinylether	0.00	63	0	N.D.	
35) 4-methyl-2-pentanone	0.00	43	0	N.D.	
36) cis-1,3-dichloropropene	0.00	75	0	N.D.	
38) toluene	5.23	91	25211	0.19 ug/L #	23
39) trans-1,3-dichloropropene	0.00	75	0	N.D.	
40) 1,1,2-trichloroethane	0.00	83	0	N.D.	
43) 2-hexanone	0.00	43	0	N.D.	
44) 1,3-dichloropropane	5.27	76	2413	N.D.	
45) tetrachloroethene	5.75	166	53458	1.76 ug/L	95
46) dibromochloromethane	0.00	129	0	N.D.	
47) 1,2-dibromoethane	0.00	107	0	N.D.	
48) chlorobenzene	0.00	112	0	N.D.	
49) 1,1,1,2-tetrachloroethane	0.00	131	0	N.D.	
50) ethylbenzene	0.00	91	0	N.D.	
51) m+p xylene	0.00	106	0	N.D.	
52) o-xylene	0.00	106	0	N.D.	
53) styrene	0.00	104	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120918.D Vial: 18
Acq On : 12 Jan 2009 5:03 pm Operator:
Sample : 290082.02 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 12 17:39:46 2009 Quant Results File: VS010909.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
54)	bromoform	0.00	173	0	N.D.	
56)	isopropylbenzene	0.00	105	0	N.D.	
57)	1,1,2,2-tetrachloroethane	0.00	83	0	N.D.	
58)	1,2,3-trichloropropane	0.00	75	0	N.D.	
59)	n-propylbenzene	0.00	91	0	N.D.	
60)	bromobenzene	0.00	156	0	N.D.	
61)	p-ethyltoluene	0.00	105	0	N.D.	
62)	1,3,5-trimethylbenzene	0.00	120	0	N.D.	
63)	2-chlorotoluene	0.00	126	0	N.D.	
64)	4-chlorotoluene	0.00	126	0	N.D.	
65)	tert-butylbenzene	0.00	134	0	N.D.	
66)	1,2,4-trimethylbenzene	0.00	105	0	N.D.	
67)	sec-butylbenzene	0.00	105	0	N.D.	
68)	4-isopropyltoluene	0.00	119	0	N.D.	
69)	1,3-dichlorobenzene	0.00	146	0	N.D.	
70)	1,4-dichlorobenzene	0.00	146	0	N.D.	
71)	1,2,3-trimethylbenzene	0.00	105	0	N.D.	
72)	n-butylbenzene	0.00	92	0	N.D.	
73)	p-diethylbenzene	0.00	119	0	N.D.	
74)	1,2-dichlorobenzene	0.00	146	0	N.D.	
75)	1,2,4,5-tetramethylbenzene	0.00	119	0	N.D.	
76)	1,2-dibromo-3-chloropropan	0.00	157	0	N.D.	
77)	1,2,4-trichlorobenzene	0.00	180	0	N.D.	
78)	hexachlorobutadiene	0.00	225	0	N.D.	
79)	naphthalene	0.00	128	0	N.D.	
80)	1,2,3-trichlorobenzene	0.00	180	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120918.D Vial: 18
Acq On : 12 Jan 2009 5:03 pm Operator:
Sample : 290082.02 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 11:25:15 2009 Quant Results File: VS010909A.RES

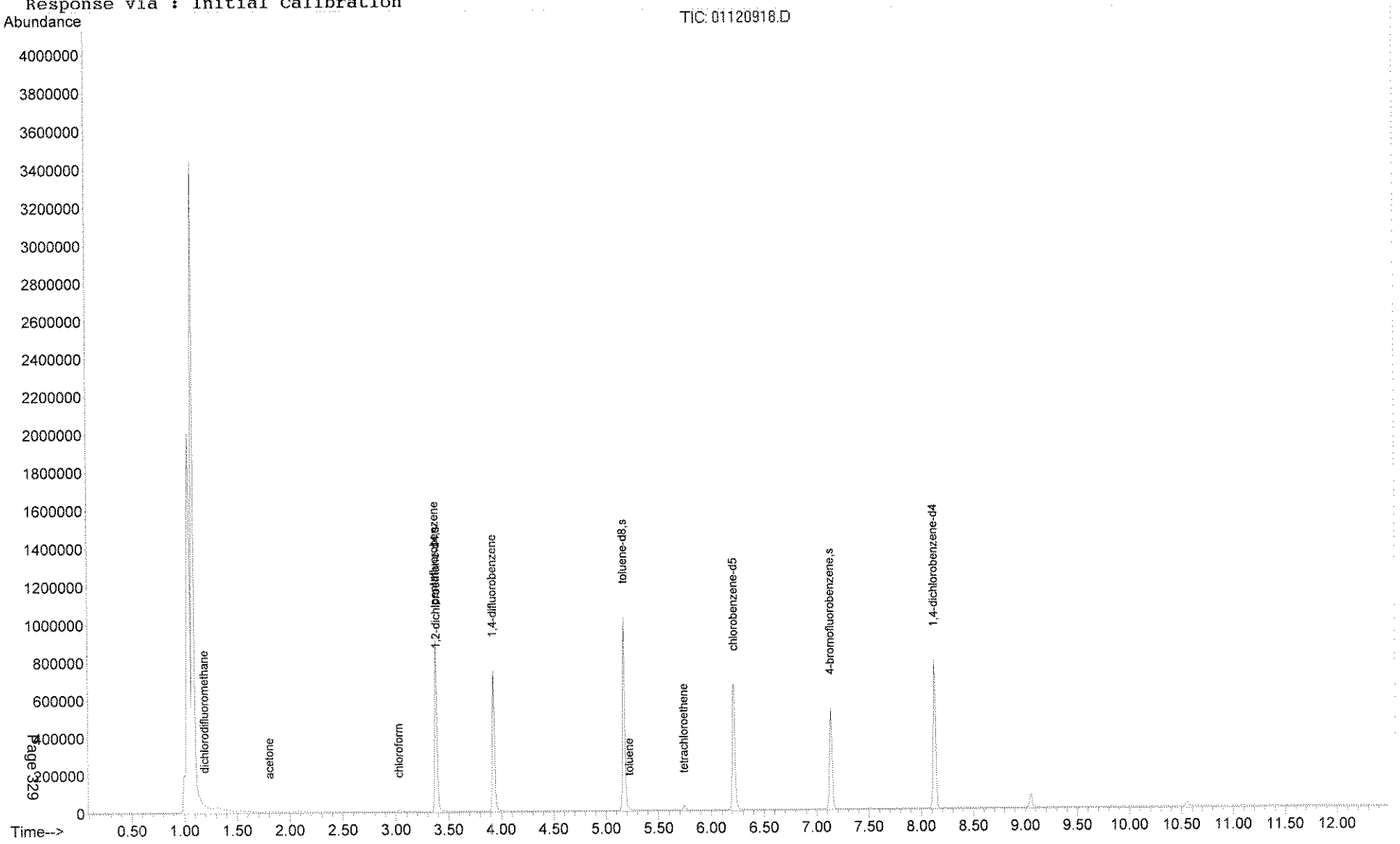
Quant Method : C:\MSDCHEM\1\METHODS\VS010909A.M (Chemstation Integrator)
Title :
Last Update : Tue Jan 13 11:21:35 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) pentafluorobenzene	3.39	168	3288578	50.00	ug/L	0.00
3) 1,4-difluorobenzene	3.93	114	4703680	50.00	ug/L	0.00
7) chlorobenzene-d5	6.22	82	2068379	50.00	ug/L	0.00
8) 1,4-dichlorobenzene-d4	8.14	152	2097303	50.00	ug/L	0.00
System Monitoring Compounds						
4) 1,2-dichloroethane-d4	3.39	102	331217	51.31	ug/L	0.00
5) toluene-d8	5.18	98	5515317	49.18	ug/L	0.00
6) 4-bromofluorobenzene	7.14	174	1428709	45.22	ug/L	0.00
Target Compounds						Qvalue
2) methylene chloride	2.09	84	57392	Below Cal		82

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120918.D Vial: 18
Acq On : 12 Jan 2009 5:03 pm Operator:
Sample : 290082.02 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 9:43 2009 Quant Results File: VS010909.RES

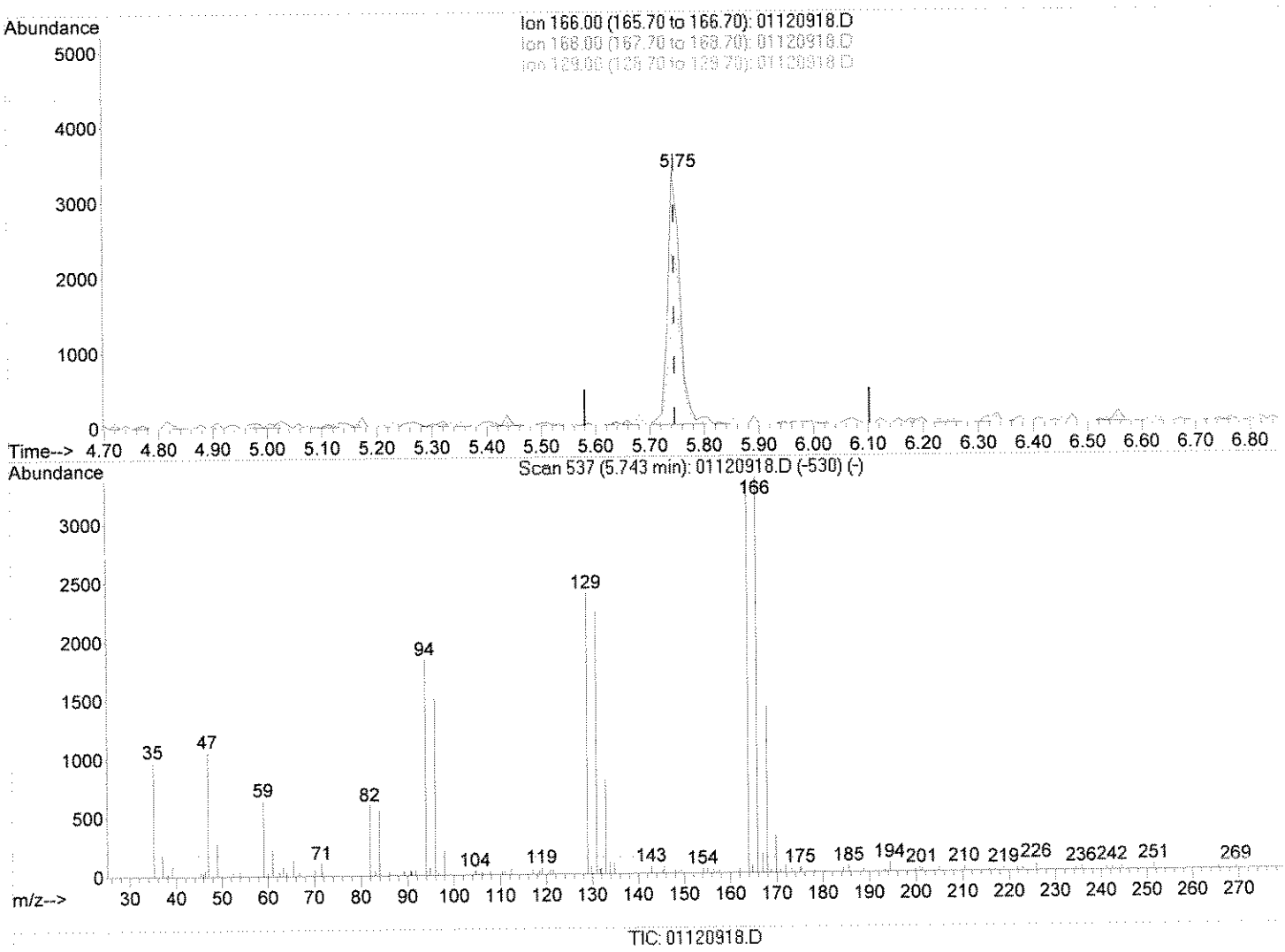
Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120918.D Vial: 18
Acq On : 12 Jan 2009 5:03 pm Operator:
Sample : 290082.02 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 9:43 2009 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Multiple Level Calibration



TIC: 01120918.D

(45) tetrachloroethene

5.75min (+0.004) 1.76ug/L

response 53458

Ion	Exp%	Act%
166.00	100	100
168.00	48.20	48.13
129.00	74.20	81.07
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120919.D Vial: 19
Acq On : 12 Jan 2009 5:25 pm Operator:
Sample : 290082.03 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 12 17:39:59 2009 Quant Results File: VS010909.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) pentafluorobenzene	3.39	168	3176999	50.00 ug/L	0.00
24) 1,4-difluorobenzene	3.93	114	4603526	50.00 ug/L	0.00
42) chlorobenzene-d5	6.22	82	1991311	50.00 ug/L	0.00
55) 1,4-dichlorobenzene-d4	8.14	152	2030078	50.00 ug/L	0.00
System Monitoring Compounds					
27) 1,2-dichloroethane-d4	3.39	102	302868	47.99 ug/L	0.00
37) toluene-d8	5.18	98	5333856	47.96 ug/L	0.00
41) 4-bromofluorobenzene	7.14	174	1428978	42.87 ug/L	0.00
Target Compounds					Qvalue
2) dichlorodifluoromethane	0.00	85	0	N.D.	
3) chlorodifluoromethane	0.00	51	0	N.D.	
4) chloromethane	0.00	50	0	N.D.	
5) vinyl chloride	0.00	62	0	N.D.	
6) bromomethane	0.00	96	0	N.D.	
7) chloroethane	0.00	64	0	N.D.	
8) trichlorofluoromethane	0.00	101	0	N.D.	
9) freon	2.11	151	6099m	0.24 ug/L	
10) acetone	1.81	58	8699	4.00 ug/L	100
11) 1,1-dichloroethene	0.00	96	0	N.D.	
12) methylene chloride	2.08	84	57529	Below Cal #	88
13) carbon disulfide	2.20	76	10679m	0.10 ug/L	
14) tert-butylmethylether	0.00	73	0	N.D.	
15) trans-1,2-dichloroethene	0.00	96	0	N.D.	
16) vinyl acetate	0.00	43	0	N.D.	
17) 1,1-dichloroethane	0.00	63	0	N.D.	
18) methyl ethyl ketone	0.00	72	0	N.D.	
19) 2,2-dichloropropane	0.00	77	0	N.D.	
20) cis-1,2-dichloroethene	0.00	96	0	N.D.	
21) chloroform	3.03	83	22571	0.39 ug/L #	17
22) bromochloromethane	0.00	128	0	N.D.	
23) 1,1,1-trichloroethane	0.00	97	0	N.D.	
25) 1,1-dichloropropene	0.00	75	0	N.D.	
26) carbon tetrachloride	0.00	119	0	N.D.	
28) 1,2-dichloroethane	3.41	62	5096m	0.13 ug/L	
29) benzene	0.00	78	0	N.D.	
30) trichloroethene	0.00	95	0	N.D.	
31) 1,2-dichloropropane	0.00	63	0	N.D.	
32) bromodichloromethane	0.00	83	0	N.D.	
33) dibromomethane	0.00	93	0	N.D.	
34) 2-chloroethylvinylether	0.00	63	0	N.D.	
35) 4-methyl-2-pentanone	0.00	43	0	N.D.	
36) cis-1,3-dichloropropene	0.00	75	0	N.D.	
38) toluene	5.22	91	15446	0.12 ug/L	85
39) trans-1,3-dichloropropene	0.00	75	0	N.D.	
40) 1,1,2-trichloroethane	0.00	83	0	N.D.	
43) 2-hexanone	0.00	43	0	N.D.	
44) 1,3-dichloropropane	5.28	76	1298	N.D.	
45) tetrachloroethene	0.00	166	0	N.D.	
46) dibromochloromethane	5.44	129	5069m	0.18 ug/L	
47) 1,2-dibromoethane	0.00	107	0	N.D.	
48) chlorobenzene	0.00	112	0	N.D.	
49) 1,1,1,2-tetrachloroethane	0.00	131	0	N.D.	
50) ethylbenzene	0.00	91	0	N.D.	
51) m+p xylene	6.54	106	6003m	0.12 ug/l	
52) o-xylene	6.95	106	2398	N.D.	
53) styrene	0.00	104	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120919.D Vial: 19
Acq On : 12 Jan 2009 5:25 pm Operator:
Sample : 290082.03 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 12 17:39:59 2009 Quant Results File: VS010909.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
54) bromoform	0.00	173	0	N.D.	
56) isopropylbenzene	0.00	105	0	N.D.	
57) 1,1,2,2-tetrachloroethane	0.00	83	0	N.D.	
58) 1,2,3-trichloropropane	0.00	75	0	N.D.	
59) n-propylbenzene	0.00	91	0	N.D.	
60) bromobenzene	0.00	156	0	N.D.	
61) p-ethyltoluene	0.00	105	0	N.D.	
62) 1,3,5-trimethylbenzene	0.00	120	0	N.D.	
63) 2-chlorotoluene	0.00	126	0	N.D.	
64) 4-chlorotoluene	0.00	126	0	N.D.	
65) tert-butylbenzene	0.00	134	0	N.D.	
66) 1,2,4-trimethylbenzene	0.00	105	0	N.D.	
67) sec-butylbenzene	0.00	105	0	N.D.	
68) 4-isopropyltoluene	0.00	119	0	N.D.	
69) 1,3-dichlorobenzene	0.00	146	0	N.D.	
70) 1,4-dichlorobenzene	0.00	146	0	N.D.	
71) 1,2,3-trimethylbenzene	0.00	105	0	N.D.	
72) n-butylbenzene	0.00	92	0	N.D.	
73) p-diethylbenzene	0.00	119	0	N.D.	
74) 1,2-dichlorobenzene	0.00	146	0	N.D.	
75) 1,2,4,5-tetramethylbenzene	0.00	119	0	N.D.	
76) 1,2-dibromo-3-chloropropan	0.00	157	0	N.D.	
77) 1,2,4-trichlorobenzene	0.00	180	0	N.D.	
78) hexachlorobutadiene	0.00	225	0	N.D.	
79) naphthalene	0.00	128	0	N.D.	
80) 1,2,3-trichlorobenzene	0.00	180	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120919.D Vial: 19
Acq On : 12 Jan 2009 5:25 pm Operator:
Sample : 290082.03 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 11:25:16 2009 Quant Results File: VS010909A.RES

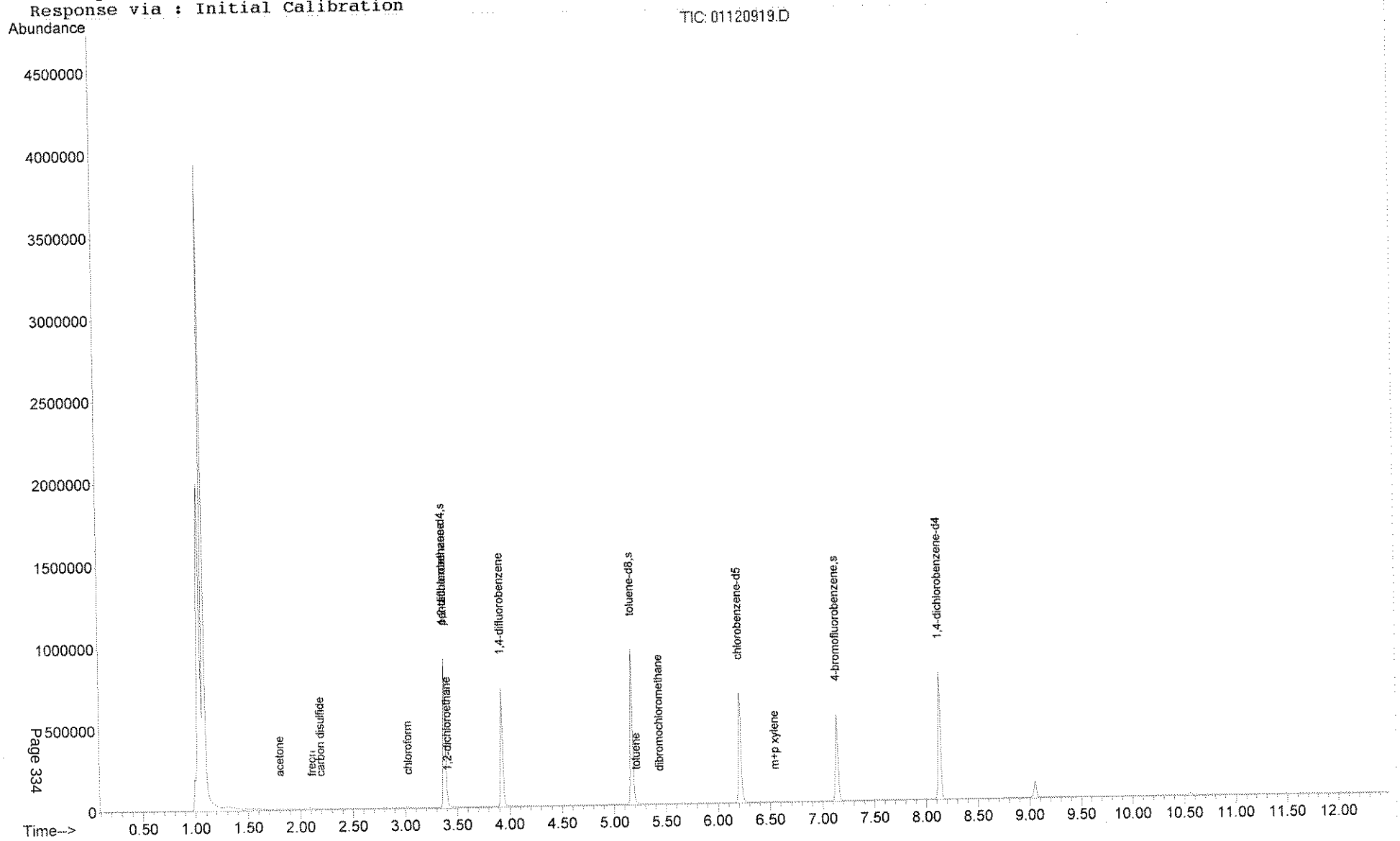
Quant Method : C:\MSDCHEM\1\METHODS\VS010909A.M (Chemstation Integrator)
Title :
Last Update : Tue Jan 13 11:21:35 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) pentafluorobenzene	3.39	168	3176999	50.00	ug/L	0.00
3) 1,4-difluorobenzene	3.93	114	4603526	50.00	ug/L	0.00
7) chlorobenzene-d5	6.22	82	1991311	50.00	ug/L	0.00
8) 1,4-dichlorobenzene-d4	8.14	152	2030078	50.00	ug/L	0.00
System Monitoring Compounds						
4) 1,2-dichloroethane-d4	3.39	102	307850	48.73	ug/L	0.00
5) toluene-d8	5.18	98	5333856	48.60	ug/L	0.00
6) 4-bromofluorobenzene	7.14	174	1428978	46.21	ug/L	0.00
Target Compounds						Qvalue
2) methylene chloride	2.08	84	58195m	Below Cal		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120919.D Vial: 19
Acq On : 12 Jan 2009 5:25 pm Operator:
Sample : 290082.03 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 9:44 2009 Quant Results File: VS010909.RES

Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration



01120919.D VS010909.M Wed Jan 14 13:18:12 2009 GCMSV4

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120920.D Vial: 20
Acq On : 12 Jan 2009 5:47 pm Operator:
Sample : 290082.04 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 09:44:43 2009 Quant Results File: VS010909.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) pentafluorobenzene	3.39	168	3140014	50.00 ug/L	0.00
24) 1,4-difluorobenzene	3.93	114	4468158	50.00 ug/L	0.00
42) chlorobenzene-d5	6.22	82	1971023	50.00 ug/L	0.00
55) 1,4-dichlorobenzene-d4	8.13	152	2014877	50.00 ug/L	0.00
System Monitoring Compounds					
27) 1,2-dichloroethane-d4	3.39	102	304057	49.63 ug/L	0.00
37) toluene-d8	5.18	98	5186471	48.05 ug/L	0.00
41) 4-bromofluorobenzene	7.14	174	1390591	42.98 ug/L	0.00
Target Compounds					Qvalue
2) dichlorodifluoromethane	0.00	85	0	N.D.	
3) chlorodifluoromethane	0.00	51	0	N.D.	
4) chloromethane	0.00	50	0	N.D.	
5) vinyl chloride	0.00	62	0	N.D.	
6) bromomethane	0.00	96	0	N.D.	
7) chloroethane	0.00	64	0	N.D.	
8) trichlorofluoromethane	0.00	101	0	N.D.	
9) freon	0.00	151	0	N.D.	
10) acetone	1.82	58	9871m	4.59 ug/L	
11) 1,1-dichloroethene	0.00	96	0	N.D.	
12) methylene chloride	2.09	84	59322	Below Cal	90
13) carbon disulfide	2.20	76	12081m	0.12 ug/L	
14) tert-butylmethylether	0.00	73	0	N.D.	
15) trans-1,2-dichloroethene	0.00	96	0	N.D.	
16) vinyl acetate	0.00	43	0	N.D.	
17) 1,1-dichloroethane	0.00	63	0	N.D.	
18) methyl ethyl ketone	0.00	72	0	N.D.	
19) 2,2-dichloropropane	0.00	77	0	N.D.	
20) cis-1,2-dichloroethene	0.00	96	0	N.D.	
21) chloroform	3.03	83	23138	0.40 ug/L	99
22) bromochloromethane	0.00	128	0	N.D.	
23) 1,1,1-trichloroethane	0.00	97	0	N.D.	
25) 1,1-dichloropropene	0.00	75	0	N.D.	
26) carbon tetrachloride	0.00	119	0	N.D.	
28) 1,2-dichloroethane	3.39	62	4055m	0.11 ug/L	
29) benzene	0.00	78	0	N.D.	
30) trichloroethene	0.00	95	0	N.D.	
31) 1,2-dichloropropane	0.00	63	0	N.D.	
32) bromodichloromethane	0.00	83	0	N.D.	
33) dibromomethane	0.00	93	0	N.D.	
34) 2-chloroethylvinylether	0.00	63	0	N.D.	
35) 4-methyl-2-pentanone	0.00	43	0	N.D.	
36) cis-1,3-dichloropropene	0.00	75	0	N.D.	
38) toluene	5.23	91	17888m	0.14 ug/L	
39) trans-1,3-dichloropropene	0.00	75	0	N.D.	
40) 1,1,2-trichloroethane	0.00	83	0	N.D.	
43) 2-hexanone	0.00	43	0	N.D.	
44) 1,3-dichloropropane	5.29	76	2377	N.D.	
45) tetrachloroethene	0.00	166	0	N.D.	
46) dibromochloromethane	0.00	129	0	N.D.	
47) 1,2-dibromoethane	0.00	107	0	N.D.	
48) chlorobenzene	0.00	112	0	N.D.	
49) 1,1,1,2-tetrachloroethane	0.00	131	0	N.D.	
50) ethylbenzene	0.00	91	0	N.D.	
51) m+p xylene	0.00	106	0	N.D.	
52) o-xylene	0.00	106	0	N.D.	
53) styrene	0.00	104	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120920.D Vial: 20
Acq On : 12 Jan 2009 5:47 pm Operator:
Sample : 290082.04 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 09:44:43 2009 Quant Results File: VS010909.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
54) bromoform	0.00	173	0	N.D.	
56) isopropylbenzene	0.00	105	0	N.D.	
57) 1,1,2,2-tetrachloroethane	0.00	83	0	N.D.	
58) 1,2,3-trichloropropane	0.00	75	0	N.D.	
59) n-propylbenzene	0.00	91	0	N.D.	
60) bromobenzene	0.00	156	0	N.D.	
61) p-ethyltoluene	0.00	105	0	N.D.	
62) 1,3,5-trimethylbenzene	0.00	120	0	N.D.	
63) 2-chlorotoluene	0.00	126	0	N.D.	
64) 4-chlorotoluene	0.00	126	0	N.D.	
65) tert-butylbenzene	0.00	134	0	N.D.	
66) 1,2,4-trimethylbenzene	0.00	105	0	N.D.	
67) sec-butylbenzene	0.00	105	0	N.D.	
68) 4-isopropyltoluene	0.00	119	0	N.D.	
69) 1,3-dichlorobenzene	0.00	146	0	N.D.	
70) 1,4-dichlorobenzene	0.00	146	0	N.D.	
71) 1,2,3-trimethylbenzene	0.00	105	0	N.D.	
72) n-butylbenzene	0.00	92	0	N.D.	
73) p-diethylbenzene	0.00	119	0	N.D.	
74) 1,2-dichlorobenzene	0.00	146	0	N.D.	
75) 1,2,4,5-tetramethylbenzene	0.00	119	0	N.D.	
76) 1,2-dibromo-3-chloropropan	0.00	157	0	N.D.	
77) 1,2,4-trichlorobenzene	0.00	180	0	N.D.	
78) hexachlorobutadiene	0.00	225	0	N.D.	
79) naphthalene	0.00	128	0	N.D.	
80) 1,2,3-trichlorobenzene	0.00	180	0	N.D.	

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120920.D Vial: 20
Acq On : 12 Jan 2009 5:47 pm Operator:
Sample : 290082.04 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 11:25:17 2009 Quant Results File: VS010909A.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909A.M (Chemstation Integrator)
Title :
Last Update : Tue Jan 13 11:21:35 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

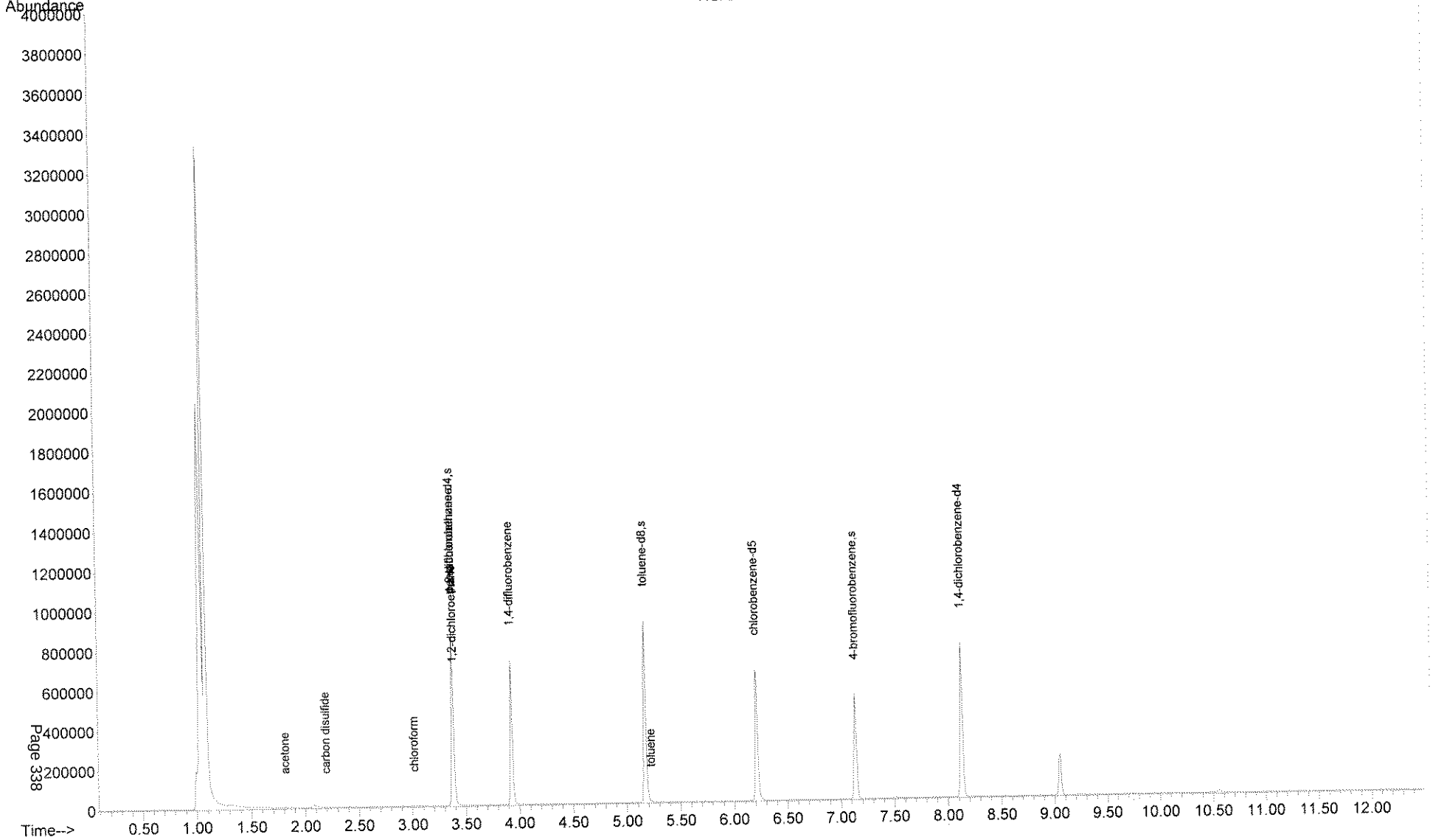
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) pentafluorobenzene	3.39	168	3140014	50.00	ug/L	0.00
3) 1,4-difluorobenzene	3.93	114	4468158	50.00	ug/L	0.00
7) chlorobenzene-d5	6.22	82	1971023	50.00	ug/L	0.00
8) 1,4-dichlorobenzene-d4	8.13	152	2014877	50.00	ug/L	0.00
System Monitoring Compounds						
4) 1,2-dichloroethane-d4	3.39	102	303742	49.54	ug/L	0.00
5) toluene-d8	5.18	98	5186669	48.69	ug/L	0.00
6) 4-bromofluorobenzene	7.14	174	1390591	46.33	ug/L	0.00
Target Compounds						Qvalue
2) methylene chloride	2.08	84	65842m	0.12	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120920.D Vial: 20
Acq On : 12 Jan 2009 5:47 pm Operator:
Sample : 290082.04 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 9:45 2009 Quant Results File: VS010909.RES

Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration

TIC: 01120920.D



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120921.D Vial: 21
Acq On : 12 Jan 2009 6:09 pm Operator:
Sample : 290082.05 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 09:45:54 2009 Quant Results File: VS010909.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) pentafluorobenzene	3.39	168	3089704	50.00 ug/L	0.00
24) 1,4-difluorobenzene	3.93	114	4362096	50.00 ug/L	0.00
42) chlorobenzene-d5	6.21	82	1925647	50.00 ug/L	0.00
55) 1,4-dichlorobenzene-d4	8.13	152	1964172	50.00 ug/L	0.00
System Monitoring Compounds					
27) 1,2-dichloroethane-d4	3.39	102	278143	46.51 ug/L	0.00
37) toluene-d8	5.18	98	5106161	48.46 ug/L	0.00
41) 4-bromofluorobenzene	7.14	174	1330142	42.11 ug/L	0.00
Target Compounds					Qvalue
2) dichlorodifluoromethane	0.00	85	0	N.D.	
3) chlorodifluoromethane	0.00	51	0	N.D.	
4) chloromethane	0.00	50	0	N.D.	
5) vinyl chloride	0.00	62	0	N.D.	
6) bromomethane	0.00	96	0	N.D.	
7) chloroethane	0.00	64	0	N.D.	
8) trichlorofluoromethane	0.00	101	0	N.D.	
9) freon	2.11	151	8263m	0.33 ug/L	
10) acetone	1.81	58	9248m	4.37 ug/L	
11) 1,1-dichloroethene	0.00	96	0	N.D.	
12) methylene chloride	2.09	84	70644	Below Cal	94
13) carbon disulfide	2.20	76	12857	0.13 ug/L #	75
14) tert-butylmethylether	0.00	73	0	N.D.	
15) trans-1,2-dichloroethene	0.00	96	0	N.D.	
16) vinyl acetate	0.00	43	0	N.D.	
17) 1,1-dichloroethane	0.00	63	0	N.D.	
18) methyl ethyl ketone	0.00	72	0	N.D.	
19) 2,2-dichloropropane	0.00	77	0	N.D.	
20) cis-1,2-dichloroethene	0.00	96	0	N.D.	
21) chloroform	3.03	83	26737	0.47 ug/L	88
22) bromochloromethane	0.00	128	0	N.D.	
23) 1,1,1-trichloroethane	0.00	97	0	N.D.	
25) 1,1-dichloropropene	0.00	75	0	N.D.	
26) carbon tetrachloride	0.00	119	0	N.D.	
28) 1,2-dichloroethane	3.44	62	1174	N.D.	
29) benzene	0.00	78	0	N.D.	
30) trichloroethene	0.00	95	0	N.D.	
31) 1,2-dichloropropane	0.00	63	0	N.D.	
32) bromodichloromethane	0.00	83	0	N.D.	
33) dibromomethane	0.00	93	0	N.D.	
34) 2-chloroethylvinylether	0.00	63	0	N.D.	
35) 4-methyl-2-pentanone	0.00	43	0	N.D.	
36) cis-1,3-dichloropropene	0.00	75	0	N.D.	
38) toluene	5.22	91	19128m	0.16 ug/L	
39) trans-1,3-dichloropropene	0.00	75	0	N.D.	
40) 1,1,2-trichloroethane	0.00	83	0	N.D.	
43) 2-hexanone	0.00	43	0	N.D.	
44) 1,3-dichloropropane	5.34	76	3175	N.D.	
45) tetrachloroethene	0.00	166	0	N.D.	
46) dibromochloromethane	0.00	129	0	N.D.	
47) 1,2-dibromoethane	0.00	107	0	N.D.	
48) chlorobenzene	0.00	112	0	N.D.	
49) 1,1,1,2-tetrachloroethane	0.00	131	0	N.D.	
50) ethylbenzene	0.00	91	0	N.D.	
51) m+p xylene	6.54	106	3734	N.D.	
52) o-xylene	6.85	106	2202	N.D.	
53) styrene	0.00	104	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120921.D Vial: 21
Acq On : 12 Jan 2009 6:09 pm Operator:
Sample : 290082.05 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 09:45:54 2009 Quant Results File: VS010909.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
54) bromoform	0.00	173	0	N.D.	
56) isopropylbenzene	0.00	105	0	N.D.	
57) 1,1,2,2-tetrachloroethane	0.00	83	0	N.D.	
58) 1,2,3-trichloropropane	0.00	75	0	N.D.	
59) n-propylbenzene	0.00	91	0	N.D.	
60) bromobenzene	0.00	156	0	N.D.	
61) p-ethyltoluene	0.00	105	0	N.D.	
62) 1,3,5-trimethylbenzene	0.00	120	0	N.D.	
63) 2-chlorotoluene	0.00	126	0	N.D.	
64) 4-chlorotoluene	0.00	126	0	N.D.	
65) tert-butylbenzene	0.00	134	0	N.D.	
66) 1,2,4-trimethylbenzene	0.00	105	0	N.D.	
67) sec-butylbenzene	0.00	105	0	N.D.	
68) 4-isopropyltoluene	0.00	119	0	N.D.	
69) 1,3-dichlorobenzene	0.00	146	0	N.D.	
70) 1,4-dichlorobenzene	0.00	146	0	N.D.	
71) 1,2,3-trimethylbenzene	0.00	105	0	N.D.	
72) n-butylbenzene	0.00	92	0	N.D.	
73) p-diethylbenzene	0.00	119	0	N.D.	
74) 1,2-dichlorobenzene	0.00	146	0	N.D.	
75) 1,2,4,5-tetramethylbenzene	0.00	119	0	N.D.	
76) 1,2-dibromo-3-chloropropan	0.00	157	0	N.D.	
77) 1,2,4-trichlorobenzene	0.00	180	0	N.D.	
78) hexachlorobutadiene	0.00	225	0	N.D.	
79) naphthalene	0.00	128	0	N.D.	
80) 1,2,3-trichlorobenzene	0.00	180	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120921.D Vial: 21
Acq On : 12 Jan 2009 6:09 pm Operator:
Sample : 290082.05 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 11:25:18 2009 Quant Results File: VS010909A.RES

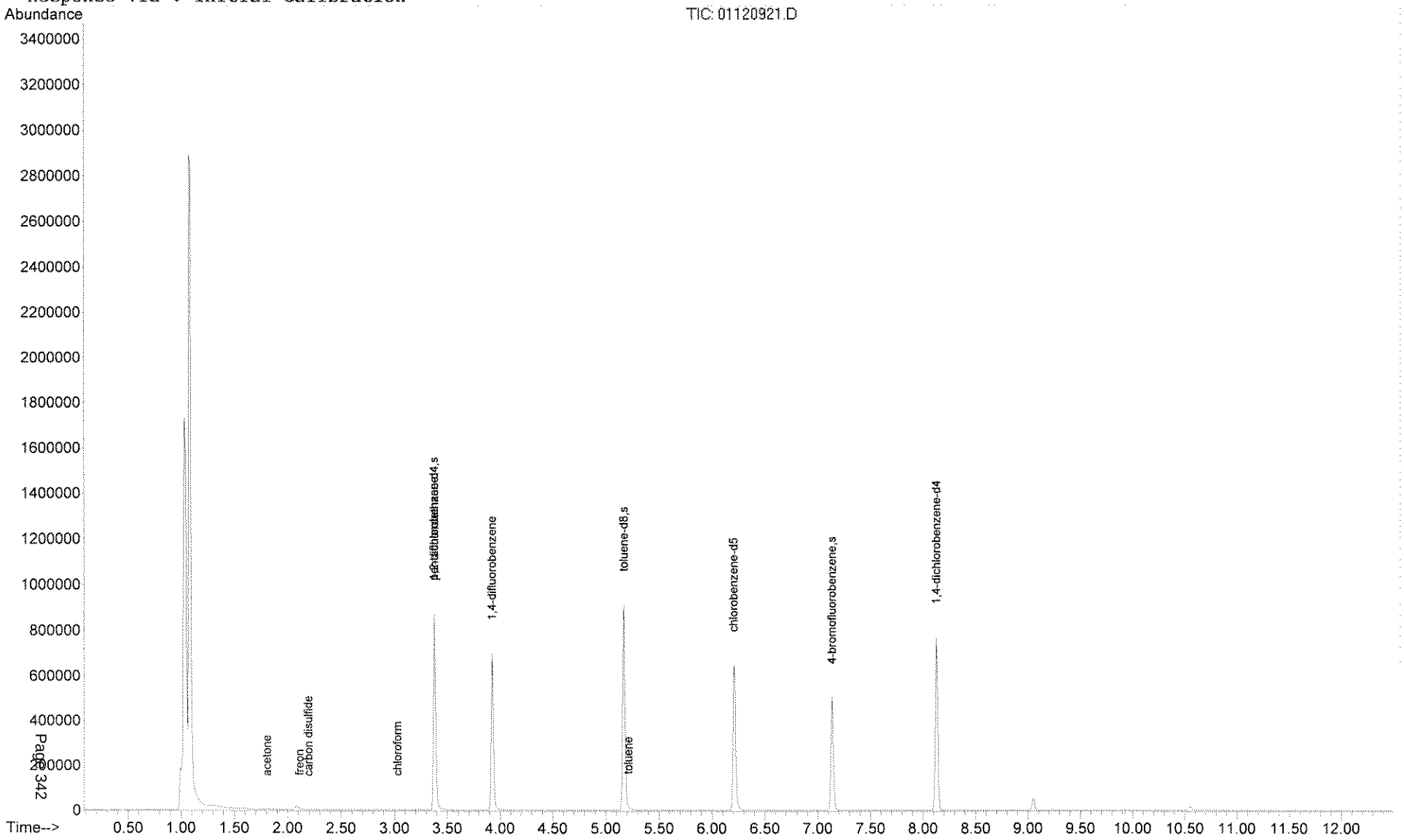
Quant Method : C:\MSDCHEM\1\METHODS\VS010909A.M (Chemstation Integrator)
Title :
Last Update : Tue Jan 13 11:21:35 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) pentafluorobenzene	3.39	168	3089704	50.00	ug/L	0.00
3) 1,4-difluorobenzene	3.93	114	4362096	50.00	ug/L	0.00
7) chlorobenzene-d5	6.21	82	1925647	50.00	ug/L	0.00
8) 1,4-dichlorobenzene-d4	8.13	152	1964172	50.00	ug/L	0.00
System Monitoring Compounds						
4) 1,2-dichloroethane-d4	3.39	102	278143	46.47	ug/L	0.00
5) toluene-d8	5.18	98	5106277	49.10	ug/L	0.00
6) 4-bromofluorobenzene	7.14	174	1330142	45.39	ug/L	0.00
Target Compounds						Qvalue
2) methylene chloride	2.09	84	70644	0.28	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed
01120921.D VS010909A.M Wed Jan 14 13:19:23 2009 GCMSV4

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120921.D Vial: 21
Acq On : 12 Jan 2009 6:09 pm Operator:
Sample : 290082.05 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 9:46 2009 Quant Results File: VS010909.RES

Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120922.D Vial: 22
Acq On : 12 Jan 2009 6:31 pm Operator:
Sample : 290082.06 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 09:47:04 2009 Quant Results File: VS010909.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) pentafluorobenzene	3.39	168	2999696	50.00 ug/L	0.00
24) 1,4-difluorobenzene	3.93	114	4307244	50.00 ug/L	0.00
42) chlorobenzene-d5	6.21	82	1930877	50.00 ug/L	0.00
55) 1,4-dichlorobenzene-d4	8.13	152	1959617	50.00 ug/L	0.00
System Monitoring Compounds					
27) 1,2-dichloroethane-d4	3.39	102	295048	49.96 ug/L	0.00
37) toluene-d8	5.18	98	4994804	48.00 ug/L	0.00
41) 4-bromofluorobenzene	7.14	174	1308367	41.95 ug/L	0.00
Target Compounds					Qvalue
2) dichlorodifluoromethane	0.00	85	0	N.D.	
3) chlorodifluoromethane	0.00	51	0	N.D.	
4) chloromethane	0.00	50	0	N.D.	
5) vinyl chloride	0.00	62	0	N.D.	
6) bromomethane	0.00	96	0	N.D.	
7) chloroethane	0.00	64	0	N.D.	
8) trichlorofluoromethane	0.00	101	0	N.D.	
9) freon	2.11	151	8288m	0.34 ug/L	
10) acetone	0.00	58	0	N.D.	
11) 1,1-dichloroethene	0.00	96	0	N.D.	
12) methylene chloride	2.09	84	60433	Below Cal	98
13) carbon disulfide	2.20	76	10097m	0.10 ug/L	
14) tert-butylmethylether	0.00	73	0	N.D.	
15) trans-1,2-dichloroethene	0.00	96	0	N.D.	
16) vinyl acetate	0.00	43	0	N.D.	
17) 1,1-dichloroethane	0.00	63	0	N.D.	
18) methyl ethyl ketone	0.00	72	0	N.D.	
19) 2,2-dichloropropane	0.00	77	0	N.D.	
20) cis-1,2-dichloroethene	0.00	96	0	N.D.	
21) chloroform	3.03	83	25522	0.46 ug/L #	17
22) bromochloromethane	0.00	128	0	N.D.	
23) 1,1,1-trichloroethane	0.00	97	0	N.D.	
25) 1,1-dichloropropene	0.00	75	0	N.D.	
26) carbon tetrachloride	0.00	119	0	N.D.	
28) 1,2-dichloroethane	3.45	62	847	N.D.	
29) benzene	0.00	78	0	N.D.	
30) trichloroethene	0.00	95	0	N.D.	
31) 1,2-dichloropropane	0.00	63	0	N.D.	
32) bromodichloromethane	0.00	83	0	N.D.	
33) dibromomethane	0.00	93	0	N.D.	
34) 2-chloroethylvinylether	0.00	63	0	N.D.	
35) 4-methyl-2-pentanone	0.00	43	0	N.D.	
36) cis-1,3-dichloropropene	0.00	75	0	N.D.	
38) toluene	5.23	91	15036m	0.12 ug/L	
39) trans-1,3-dichloropropene	0.00	75	0	N.D.	
40) 1,1,2-trichloroethane	0.00	83	0	N.D.	
43) 2-hexanone	0.00	43	0	N.D.	
44) 1,3-dichloropropane	5.20	76	1682	N.D.	
45) tetrachloroethene	0.00	166	0	N.D.	
46) dibromochloromethane	5.42	129	8810m	0.32 ug/L	
47) 1,2-dibromoethane	0.00	107	0	N.D.	
48) chlorobenzene	0.00	112	0	N.D.	
49) 1,1,1,2-tetrachloroethane	0.00	131	0	N.D.	
50) ethylbenzene	0.00	91	0	N.D.	
51) m+p xylene	6.56	106	7151m	0.15 ug/l	
52) o-xylene	6.84	106	2612	N.D.	
53) styrene	0.00	104	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120922.D Vial: 22
Acq On : 12 Jan 2009 6:31 pm Operator:
Sample : 290082.06 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 09:47:04 2009 Quant Results File: VS010909.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
54) bromoform	0.00	173	0	N.D.	
56) isopropylbenzene	0.00	105	0	N.D.	
57) 1,1,2,2-tetrachloroethane	0.00	83	0	N.D.	
58) 1,2,3-trichloropropane	0.00	75	0	N.D.	
59) n-propylbenzene	0.00	91	0	N.D.	
60) bromobenzene	0.00	156	0	N.D.	
61) p-ethyltoluene	0.00	105	0	N.D.	
62) 1,3,5-trimethylbenzene	0.00	120	0	N.D.	
63) 2-chlorotoluene	0.00	126	0	N.D.	
64) 4-chlorotoluene	0.00	126	0	N.D.	
65) tert-butylbenzene	0.00	134	0	N.D.	
66) 1,2,4-trimethylbenzene	0.00	105	0	N.D.	
67) sec-butylbenzene	0.00	105	0	N.D.	
68) 4-isopropyltoluene	0.00	119	0	N.D.	
69) 1,3-dichlorobenzene	0.00	146	0	N.D.	
70) 1,4-dichlorobenzene	0.00	146	0	N.D.	
71) 1,2,3-trimethylbenzene	0.00	105	0	N.D.	
72) n-butylbenzene	0.00	92	0	N.D.	
73) p-diethylbenzene	0.00	119	0	N.D.	
74) 1,2-dichlorobenzene	0.00	146	0	N.D.	
75) 1,2,4,5-tetramethylbenzene	0.00	119	0	N.D.	
76) 1,2-dibromo-3-chloropropan	0.00	157	0	N.D.	
77) 1,2,4-trichlorobenzene	0.00	180	0	N.D.	
78) hexachlorobutadiene	0.00	225	0	N.D.	
79) naphthalene	0.00	128	0	N.D.	
80) 1,2,3-trichlorobenzene	0.00	180	0	N.D.	

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120922.D Vial: 22
Acq On : 12 Jan 2009 6:31 pm Operator:
Sample : 290082.06 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 11:25:19 2009 Quant Results File: VS010909A.RES

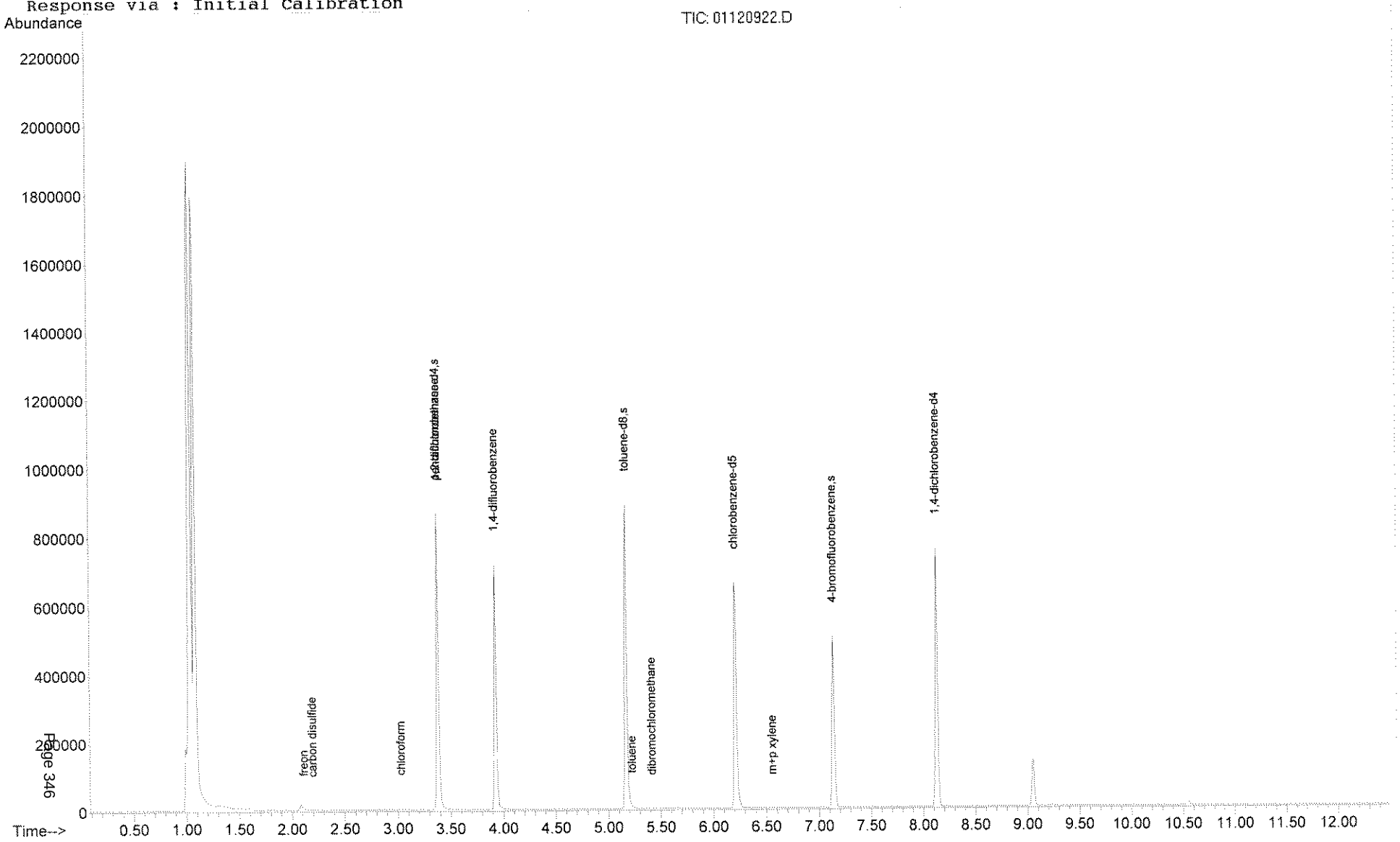
Quant Method : C:\MSDCHEM\1\METHODS\VS010909A.M (Chemstation Integrator)
Title :
Last Update : Tue Jan 13 11:21:35 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) pentafluorobenzene	3.39	168	2999696	50.00	ug/L	0.00
3) 1,4-difluorobenzene	3.93	114	4307244	50.00	ug/L	0.00
7) chlorobenzene-d5	6.21	82	1930877	50.00	ug/L	0.00
8) 1,4-dichlorobenzene-d4	8.13	152	1959617	50.00	ug/L	0.00
System Monitoring Compounds						
4) 1,2-dichloroethane-d4	3.39	102	295048	49.92	ug/L	0.00
5) toluene-d8	5.18	98	4994740	48.64	ug/L	0.00
6) 4-bromofluorobenzene	7.14	174	1308367	45.22	ug/L	0.00
Target Compounds						Qvalue
2) methylene chloride	2.09	84	60433	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120922.D Vial: 22
Acq On : 12 Jan 2009 6:31 pm Operator:
Sample : 290082.06 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 9:47 2009 Quant Results File: VS010909.RES

Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120923.D Vial: 23
Acq On : 12 Jan 2009 6:53 pm Operator:
Sample : 290082.07 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 09:48:09 2009 Quant Results File: VS010909.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) pentafluorobenzene	3.38	168	2809871	50.00 ug/L	0.00
24) 1,4-difluorobenzene	3.93	114	4111369	50.00 ug/L	0.00
42) chlorobenzene-d5	6.21	82	1812676	50.00 ug/L	0.00
55) 1,4-dichlorobenzene-d4	8.13	152	1814091	50.00 ug/L	0.00
System Monitoring Compounds					
27) 1,2-dichloroethane-d4	3.39	102	285767	50.70 ug/L	0.00
37) toluene-d8	5.17	98	4813983	48.47 ug/L	0.00
41) 4-bromofluorobenzene	7.14	174	1255785	42.18 ug/L	0.00
Target Compounds					Qvalue
2) dichlorodifluoromethane	1.18	85	3937m	0.12 ug/L	
3) chlorodifluoromethane	0.00	51	0	N.D.	
4) chloromethane	0.00	50	0	N.D.	
5) vinyl chloride	0.00	62	0	N.D.	
6) bromomethane	0.00	96	0	N.D.	
7) chloroethane	0.00	64	0	N.D.	
8) trichlorofluoromethane	0.00	101	0	N.D.	
9) freon	0.00	151	0	N.D.	
10) acetone	1.80	58	16449m	8.55 ug/L	
11) 1,1-dichloroethene	0.00	96	0	N.D.	
12) methylene chloride	2.08	84	67032	Below Cal	91
13) carbon disulfide	2.20	76	7643	N.D.	
14) tert-butylmethylether	0.00	73	0	N.D.	
15) trans-1,2-dichloroethene	0.00	96	0	N.D.	
16) vinyl acetate	0.00	43	0	N.D.	
17) 1,1-dichloroethane	0.00	63	0	N.D.	
18) methyl ethyl ketone	0.00	72	0	N.D.	
19) 2,2-dichloropropane	0.00	77	0	N.D.	
20) cis-1,2-dichloroethene	0.00	96	0	N.D.	
21) chloroform	3.03	83	20988	0.41 ug/L #	17
22) bromochloromethane	0.00	128	0	N.D.	
23) 1,1,1-trichloroethane	0.00	97	0	N.D.	
25) 1,1-dichloropropene	0.00	75	0	N.D.	
26) carbon tetrachloride	0.00	119	0	N.D.	
28) 1,2-dichloroethane	3.43	62	1699	N.D.	
29) benzene	0.00	78	0	N.D.	
30) trichloroethene	0.00	95	0	N.D.	
31) 1,2-dichloropropane	0.00	63	0	N.D.	
32) bromodichloromethane	4.21	83	9058m	0.25 ug/L	
33) dibromomethane	0.00	93	0	N.D.	
34) 2-chloroethylvinylether	0.00	63	0	N.D.	
35) 4-methyl-2-pentanone	0.00	43	0	N.D.	
36) cis-1,3-dichloropropene	0.00	75	0	N.D.	
38) toluene	5.22	91	19831m	0.17 ug/L	
39) trans-1,3-dichloropropene	0.00	75	0	N.D.	
40) 1,1,2-trichloroethane	0.00	83	0	N.D.	
43) 2-hexanone	0.00	43	0	N.D.	
44) 1,3-dichloropropane	5.23	76	1760	N.D.	
45) tetrachloroethene	5.75	166	53911	2.03 ug/L	96
46) dibromochloromethane	5.43	129	5869m	0.23 ug/L	
47) 1,2-dibromoethane	0.00	107	0	N.D.	
48) chlorobenzene	0.00	112	0	N.D.	
49) 1,1,1,2-tetrachloroethane	0.00	131	0	N.D.	
50) ethylbenzene	0.00	91	0	N.D.	
51) m+p xylene	6.54	106	4229	N.D.	
52) o-xylene	0.00	106	0	N.D.	
53) styrene	0.00	104	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120923.D Vial: 23
Acq On : 12 Jan 2009 6:53 pm Operator:
Sample : 290082.07 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 09:48:09 2009 Quant Results File: VS010909.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
54) bromoform	0.00	173	0	N.D.	
56) isopropylbenzene	0.00	105	0	N.D.	
57) 1,1,2,2-tetrachloroethane	0.00	83	0	N.D.	
58) 1,2,3-trichloropropane	0.00	75	0	N.D.	
59) n-propylbenzene	0.00	91	0	N.D.	
60) bromobenzene	0.00	156	0	N.D.	
61) p-ethyltoluene	0.00	105	0	N.D.	
62) 1,3,5-trimethylbenzene	0.00	120	0	N.D.	
63) 2-chlorotoluene	0.00	126	0	N.D.	
64) 4-chlorotoluene	0.00	126	0	N.D.	
65) tert-butylbenzene	0.00	134	0	N.D.	
66) 1,2,4-trimethylbenzene	0.00	105	0	N.D.	
67) sec-butylbenzene	0.00	105	0	N.D.	
68) 4-isopropyltoluene	0.00	119	0	N.D.	
69) 1,3-dichlorobenzene	0.00	146	0	N.D.	
70) 1,4-dichlorobenzene	0.00	146	0	N.D.	
71) 1,2,3-trimethylbenzene	0.00	105	0	N.D.	
72) n-butylbenzene	0.00	92	0	N.D.	
73) p-diethylbenzene	0.00	119	0	N.D.	
74) 1,2-dichlorobenzene	0.00	146	0	N.D.	
75) 1,2,4,5-tetramethylbenzene	0.00	119	0	N.D.	
76) 1,2-dibromo-3-chloropropan	0.00	157	0	N.D.	
77) 1,2,4-trichlorobenzene	0.00	180	0	N.D.	
78) hexachlorobutadiene	0.00	225	0	N.D.	
79) naphthalene	0.00	128	0	N.D.	
80) 1,2,3-trichlorobenzene	0.00	180	0	N.D.	

Quantitation Report (QT Reviewed)

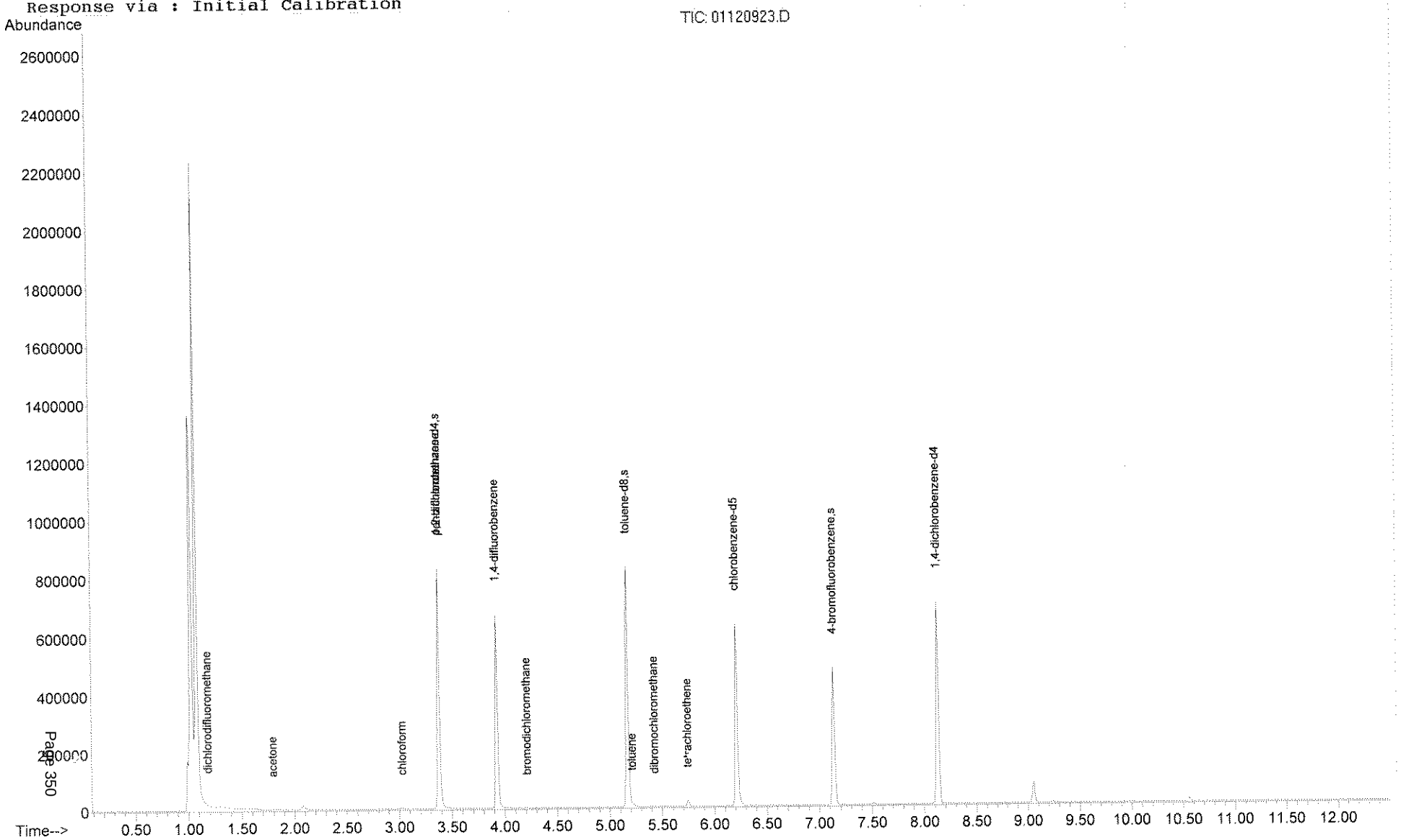
Data File : C:\MSDCHEM\1\DATA\0109\011209\01120923.D Vial: 23
Acq On : 12 Jan 2009 6:53 pm Operator:
Sample : 290082.07 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 11:25:20 2009 Quant Results File: VS010909A.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909A.M (Chemstation Integrator)
Title :
Last Update : Tue Jan 13 11:21:35 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) pentafluorobenzene	3.38	168	2809871	50.00	ug/L	0.00
3) 1,4-difluorobenzene	3.93	114	4111369	50.00	ug/L	0.00
7) chlorobenzene-d5	6.21	82	1813372	50.00	ug/L	0.00
8) 1,4-dichlorobenzene-d4	8.13	152	1814091	50.00	ug/L	0.00
System Monitoring Compounds						
4) 1,2-dichloroethane-d4	3.39	102	285777	50.65	ug/L	0.00
5) toluene-d8	5.17	98	4814210	49.12	ug/L	0.00
6) 4-bromofluorobenzene	7.14	174	1255785	45.47	ug/L	0.00
Target Compounds						Qvalue
2) methylene chloride	2.08	84	67032	0.36	ug/L	84

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120923.D Vial: 23
Acq On : 12 Jan 2009 6:53 pm Operator:
Sample : 290082.07 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 9:49 2009 Quant Results File: VS010909.RES

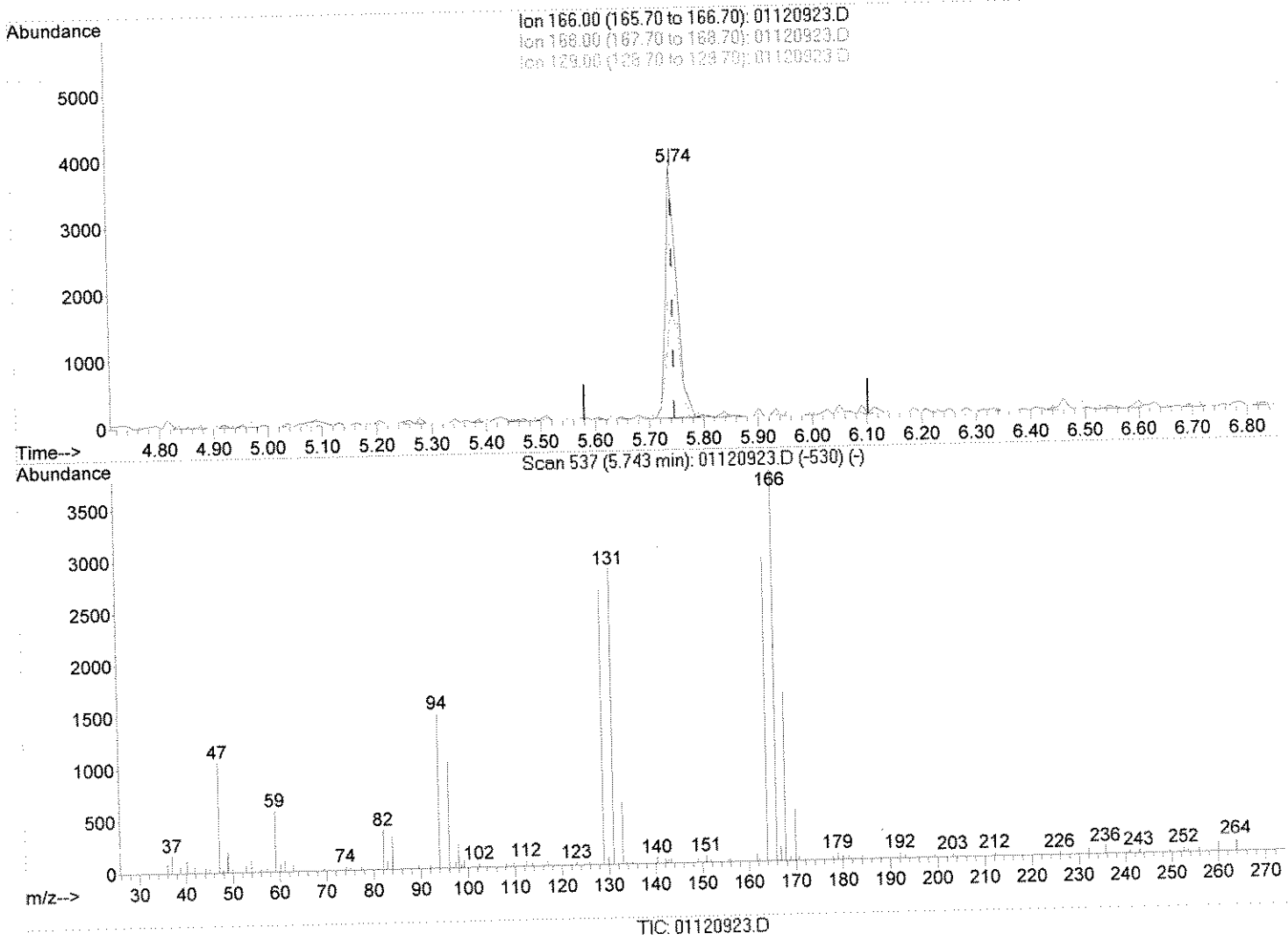
Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120923.D Vial: 23
Acq On : 12 Jan 2009 6:53 pm Operator:
Sample : 290082.07 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 9:49 2009 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Multiple Level Calibration



(45) tetrachloroethene

5.75min (+0.002) 2.03ug/L

response 53911

Ion	Exp%	Act%
166.00	100	100
168.00	48.20	49.19
129.00	74.20	69.34
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120924.D Vial: 24
Acq On : 12 Jan 2009 7:15 pm Operator:
Sample : 290082.08 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 09:49:18 2009 Quant Results File: VS010909.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) pentafluorobenzene	3.39	168	2918995	50.00 ug/L	0.00
24) 1,4-difluorobenzene	3.93	114	4294042	50.00 ug/L	0.00
42) chlorobenzene-d5	6.22	82	1771593	50.00 ug/L	0.00
55) 1,4-dichlorobenzene-d4	8.13	152	1622656	50.00 ug/L	0.00
System Monitoring Compounds					
27) 1,2-dichloroethane-d4	3.39	102	304728	51.76 ug/L	0.00
37) toluene-d8	5.18	98	4987512	48.08 ug/L	0.00
41) 4-bromofluorobenzene	7.14	174	1175057	37.79 ug/L	0.00
Target Compounds					Qvalue
2) dichlorodifluoromethane	0.00	85	0	N.D.	
3) chlorodifluoromethane	0.00	51	0	N.D.	
4) chloromethane	0.00	50	0	N.D.	
5) vinyl chloride	0.00	62	0	N.D.	
6) bromomethane	0.00	96	0	N.D.	
7) chloroethane	0.00	64	0	N.D.	
8) trichlorofluoromethane	0.00	101	0	N.D.	
9) freon	2.11	151	5271m	0.22 ug/L	
10) acetone	1.82	58	9738m	4.87 ug/L	
11) 1,1-dichloroethene	0.00	96	0	N.D.	
12) methylene chloride	2.09	84	112363	Below Cal	98
13) carbon disulfide	2.20	76	13461	0.14 ug/L #	75
14) tert-butylmethylether	0.00	73	0	N.D.	
15) trans-1,2-dichloroethene	0.00	96	0	N.D.	
16) vinyl acetate	0.00	43	0	N.D.	
17) 1,1-dichloroethane	0.00	63	0	N.D.	
18) methyl ethyl ketone	0.00	72	0	N.D.	
19) 2,2-dichloropropane	0.00	77	0	N.D.	
20) cis-1,2-dichloroethene	2.90	96	32426m	1.03 ug/L	
21) chloroform	3.03	83	23279	0.43 ug/L	98
22) bromochloromethane	0.00	128	0	N.D.	
23) 1,1,1-trichloroethane	3.50	97	14739	0.35 ug/L #	42
25) 1,1-dichloropropene	0.00	75	0	N.D.	
26) carbon tetrachloride	0.00	119	0	N.D.	
28) 1,2-dichloroethane	0.00	62	0	N.D.	
29) benzene	0.00	78	0	N.D.	
30) trichloroethene	0.00	95	0	N.D.	
31) 1,2-dichloropropane	0.00	63	0	N.D.	
32) bromodichloromethane	0.00	83	0	N.D.	
33) dibromomethane	0.00	93	0	N.D.	
34) 2-chloroethylvinylether	0.00	63	0	N.D.	
35) 4-methyl-2-pentanone	0.00	43	0	N.D.	
36) cis-1,3-dichloropropene	0.00	75	0	N.D.	
38) toluene	5.22	91	44171	0.36 ug/L #	79
39) trans-1,3-dichloropropene	0.00	75	0	N.D.	
40) 1,1,2-trichloroethane	0.00	83	0	N.D.	
43) 2-hexanone	0.00	43	0	N.D.	
44) 1,3-dichloropropane	5.23	76	905	N.D.	
45) tetrachloroethene	5.75	166	510967	19.77 ug/L	98
46) dibromochloromethane	0.00	129	0	N.D.	
47) 1,2-dibromoethane	0.00	107	0	N.D.	
48) chlorobenzene	0.00	112	0	N.D.	
49) 1,1,1,2-tetrachloroethane	0.00	131	0	N.D.	
50) ethylbenzene	6.40	91	10680	N.D.	
51) m+p xylene	6.56	106	17920m	0.40 ug/l	
52) o-xylene	6.84	106	15696m	0.34 ug/L	
53) styrene	6.81	104	5357	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120924.D Vial: 24
Acq On : 12 Jan 2009 7:15 pm Operator:
Sample : 290082.08 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 09:49:18 2009 Quant Results File: VS010909.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
54) bromoform	0.00	173	0	N.D.	
56) isopropylbenzene	0.00	105	0	N.D.	
57) 1,1,2,2-tetrachloroethane	0.00	83	0	N.D.	
58) 1,2,3-trichloropropane	0.00	75	0	N.D.	
59) n-propylbenzene	7.46	91	8464	N.D.	
60) bromobenzene	0.00	156	0	N.D.	
61) p-ethyltoluene	7.58	105	7574	N.D.	
62) 1,3,5-trimethylbenzene	7.70	120	49317	1.36 ug/L	94
63) 2-chlorotoluene	0.00	126	0	N.D.	
64) 4-chlorotoluene	0.00	126	0	N.D.	
65) tert-butylbenzene	0.00	134	0	N.D.	
66) 1,2,4-trimethylbenzene	7.99	105	157804m	2.18 ug/L	
67) sec-butylbenzene	8.06	105	10900m	0.12 ug/L	
68) 4-isopropyltoluene	8.15	119	26368	0.34 ug/L #	52
69) 1,3-dichlorobenzene	8.09	146	1480	N.D.	
70) 1,4-dichlorobenzene	0.00	146	0	N.D.	
71) 1,2,3-trimethylbenzene	8.31	105	137220m	1.86 ug/L	
72) n-butylbenzene	8.52	92	337	N.D.	
73) p-diethylbenzene	8.52	119	5695m	0.13 ug/L	
74) 1,2-dichlorobenzene	8.42	146	222001	5.34 ug/L	92
75) 1,2,4,5-tetramethylbenzene	9.25	119	250039m	3.03 ug/L	
76) 1,2-dibromo-3-chloropropan	0.00	157	0	N.D.	
77) 1,2,4-trichlorobenzene	0.00	180	0	N.D.	
78) hexachlorobutadiene	0.00	225	0	N.D.	
79) naphthalene	10.03	128	24669m	0.61 ug/L	
80) 1,2,3-trichlorobenzene	0.00	180	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120924.D Vial: 24
Acq On : 12 Jan 2009 7:15 pm Operator:
Sample : 290082.08 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 11:25:21 2009 Quant Results File: VS010909A.RES

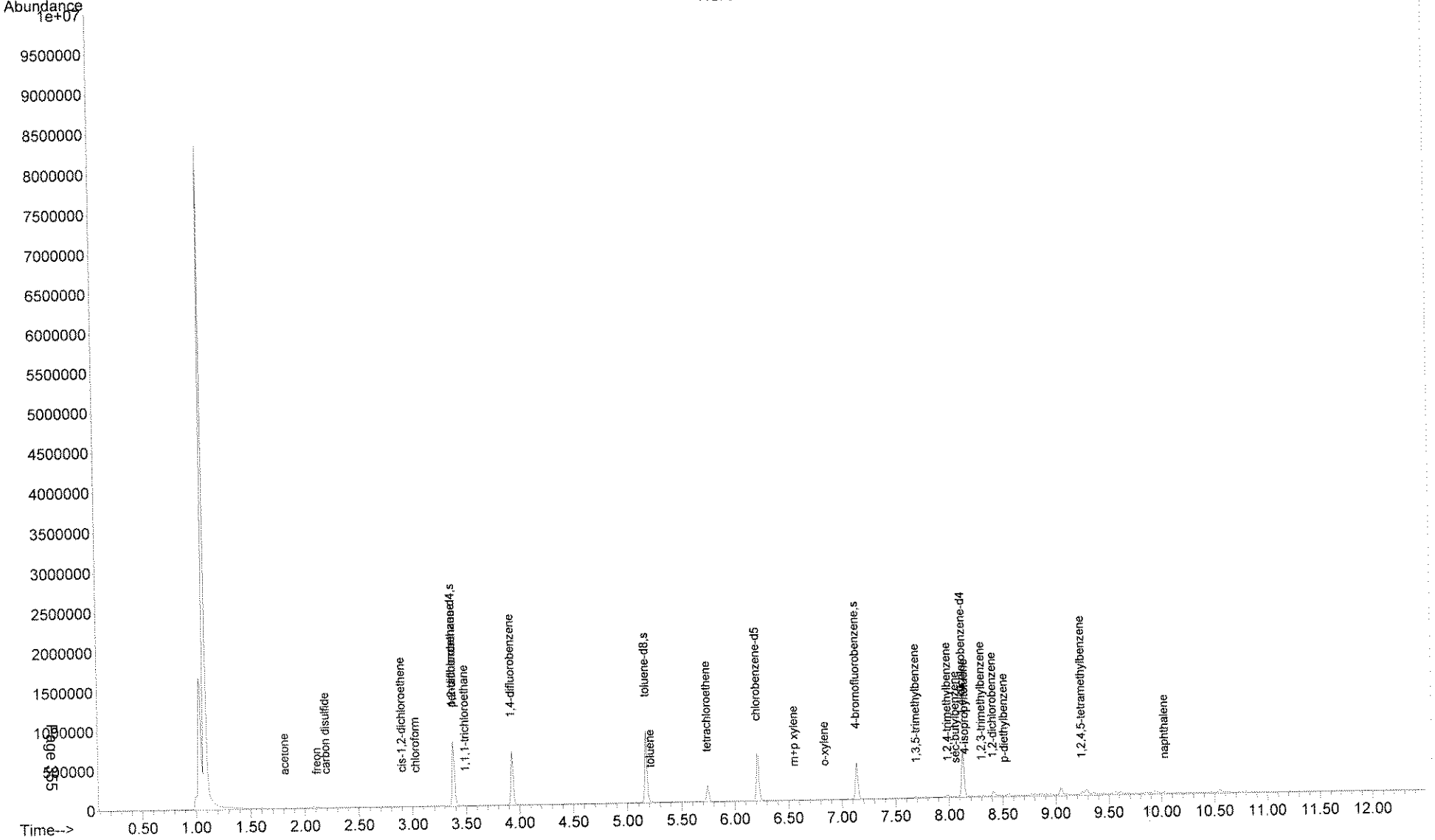
Quant Method : C:\MSDCHEM\1\METHODS\VS010909A.M (Chemstation Integrator)
Title :
Last Update : Tue Jan 13 11:21:35 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) pentafluorobenzene	3.39	168	2918995	50.00	ug/L	0.00
3) 1,4-difluorobenzene	3.93	114	4294042	50.00	ug/L	0.00
7) chlorobenzene-d5	6.22	82	1771593	50.00	ug/L	0.00
8) 1,4-dichlorobenzene-d4	8.13	152	1622656	50.00	ug/L	0.00
System Monitoring Compounds						
4) 1,2-dichloroethane-d4	3.39	102	304728	51.71	ug/L	0.00
5) toluene-d8	5.18	98	4987675	48.72	ug/L	0.00
6) 4-bromofluorobenzene	7.14	174	1175057	40.74	ug/L	0.00
Target Compounds						Qvalue
2) methylene chloride	2.09	84	112198	1.59	ug/L	93

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120924.D Vial: 24
Acq On : 12 Jan 2009 7:15 pm Operator:
Sample : 290082.08 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 11:13 2009 Quant Results File: VS010909.RES

Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration

TIC: 01120924.D

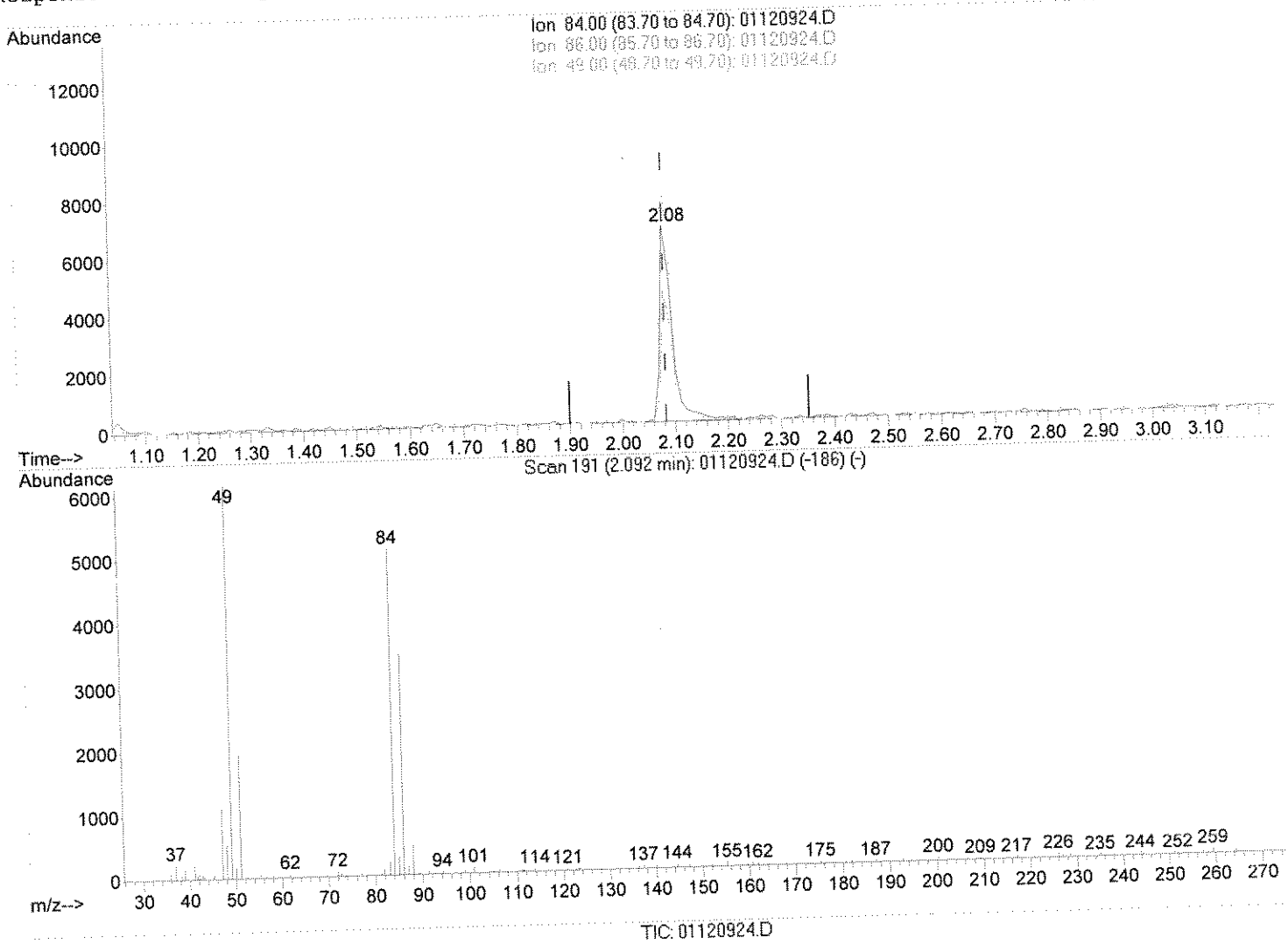


01120924.D VS010909.M Wed Jan 14 13:18:20 2009 GCMSV4

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120924.D Vial: 24
Acq On : 12 Jan 2009 7:15 pm Operator:
Sample : 290082.08 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 11:25 2009 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\VS010909A.M (Chemstation Integrator)
Title :
Last Update : Tue Jan 13 11:21:35 2009
Response via : Multiple Level Calibration



(2) methylene chloride

2.09min (+0.006) 1.59ug/L

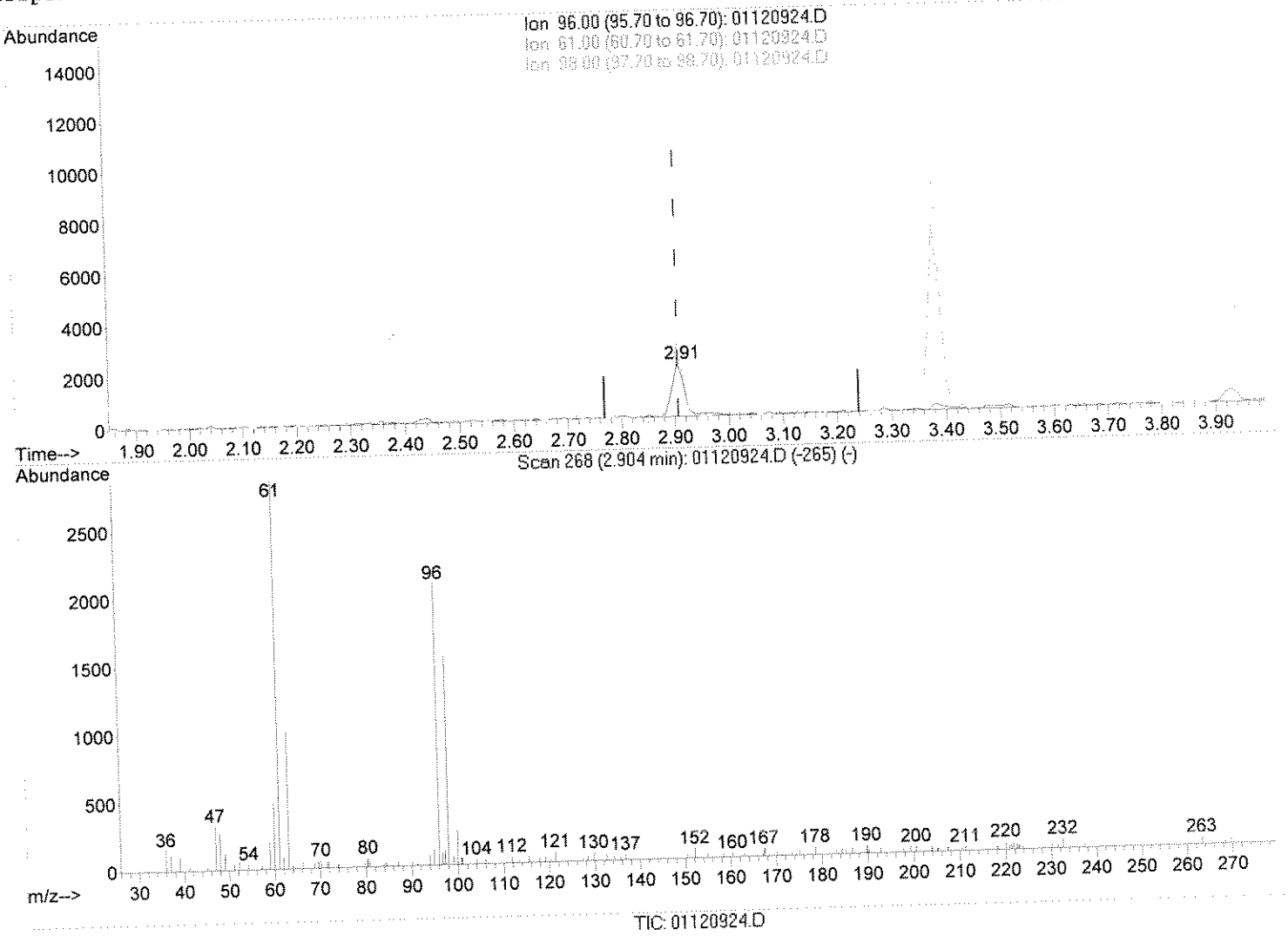
response 112198

Ion	Exp%	Act%
84.00	100	100
86.00	68.40	67.31
49.00	142.30	129.88
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120924.D Vial: 24
Acq On : 12 Jan 2009 7:15 pm Operator:
Sample : 290082.08 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 11:13 2009 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Multiple Level Calibration



(20) cis-1,2-dichloroethene

2.90min (-0.002) 1.03ug/L m

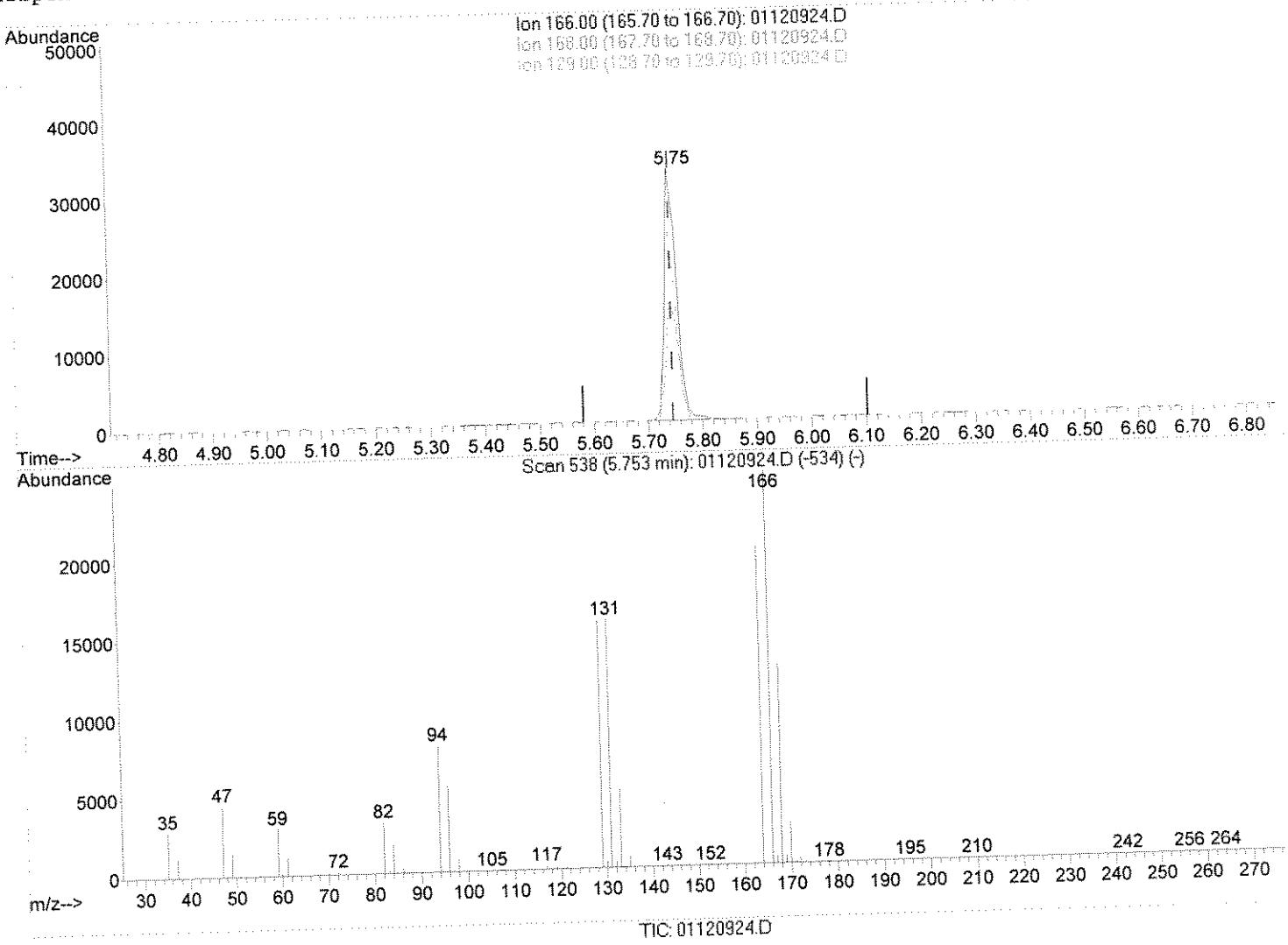
response 32426

Ion	Exp%	Act%
96.00	100	100
61.00	133.40	128.74
98.00	64.00	75.46
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120924.D Vial: 24
Acq On : 12 Jan 2009 7:15 pm Operator:
Sample : 290082.08 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 11:13 2009 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Multiple Level Calibration



(45) tetrachloroethene

5.75min (+0.004) 19.77ug/L

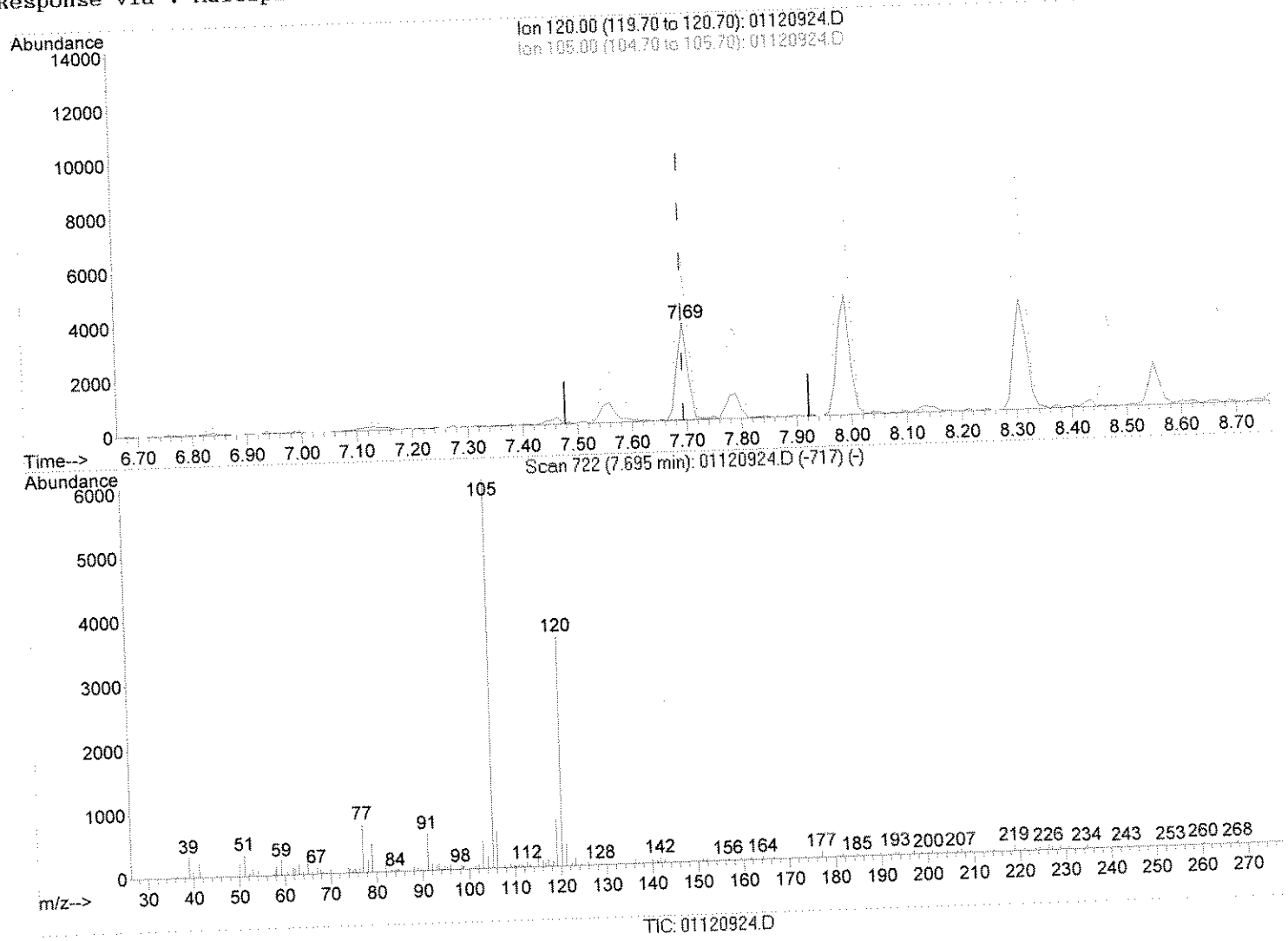
response 510967

Ion	Exp%	Act%
166.00	100	100
168.00	48.20	48.40
129.00	74.20	71.58
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120924.D Vial: 24
Acq On : 12 Jan 2009 7:15 pm Operator:
Sample : 290082.08 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 11:13 2009 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Multiple Level Calibration



(62) 1,3,5-trimethylbenzene

7.70min (+0.004) 1.36ug/L

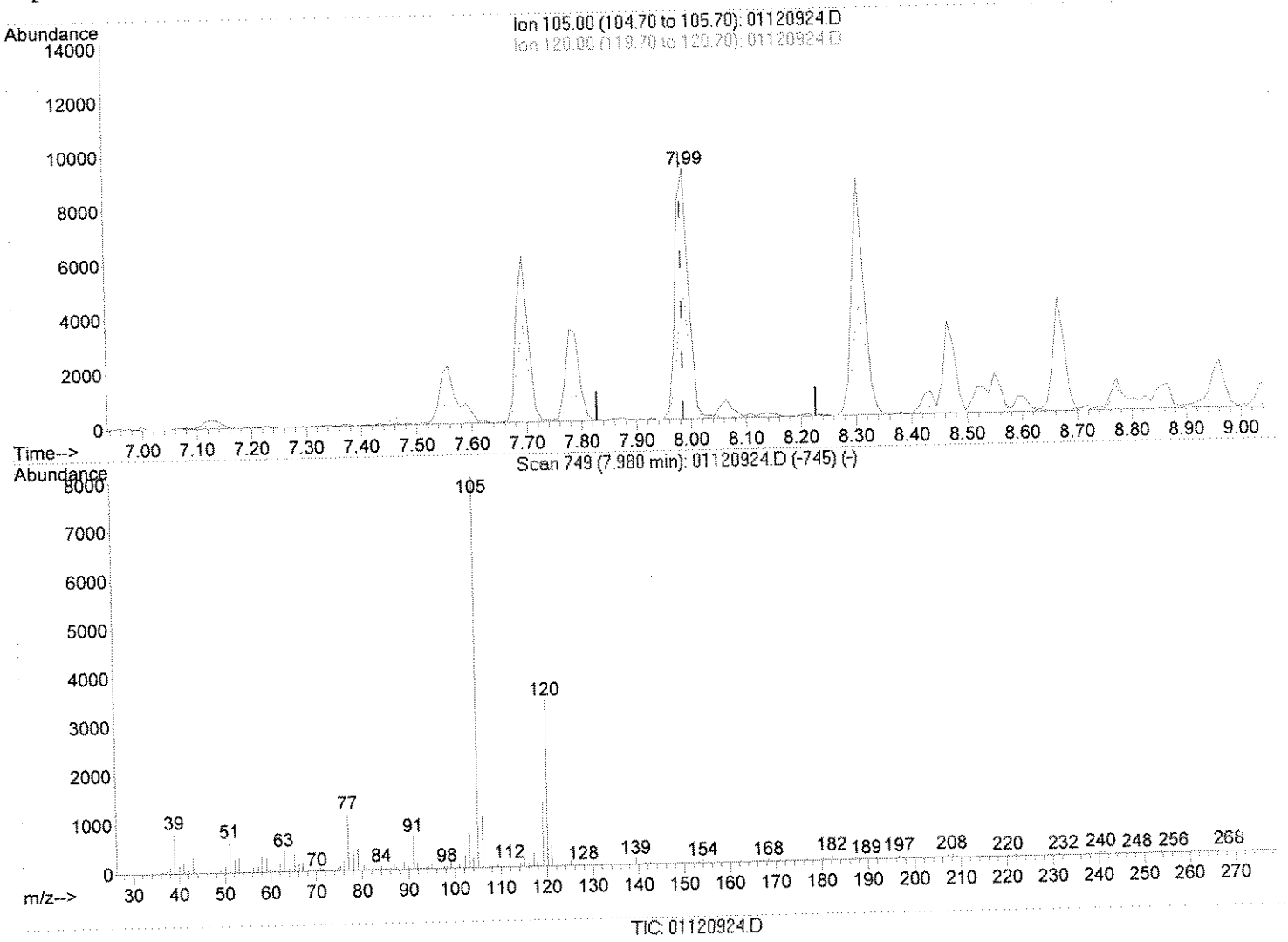
response 49317

Ion	Exp%	Act%
120.00	100	100
105.00	199.40	190.82
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120924.D Vial: 24
Acq On : 12 Jan 2009 7:15 pm Operator:
Sample : 290082.08 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 11:13 2009 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Multiple Level Calibration



TIC: 01120924.D

(66) 1,2,4-trimethylbenzene

7.99min (+0.005) 2.18ug/L m

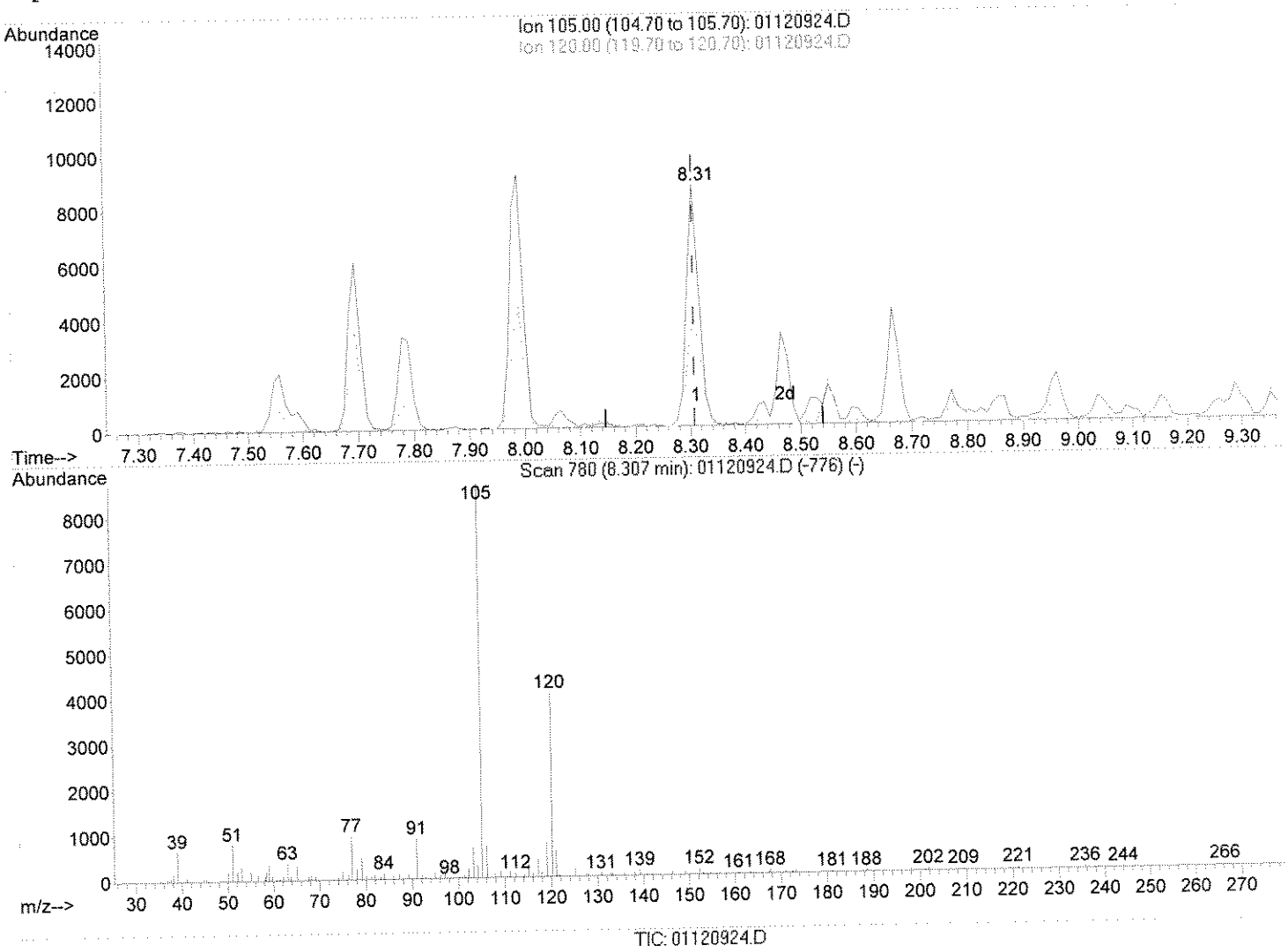
response 157804

Ion	Exp%	Act%
105.00	100	100
120.00	48.80	44.65
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120924.D Vial: 24
Acq On : 12 Jan 2009 7:15 pm Operator:
Sample : 290082.08 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 11:13 2009 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Multiple Level Calibration



TIC: 01120924.D

(71) 1,2,3-trimethylbenzene

8.31min (-0.000) 1.86ug/L m

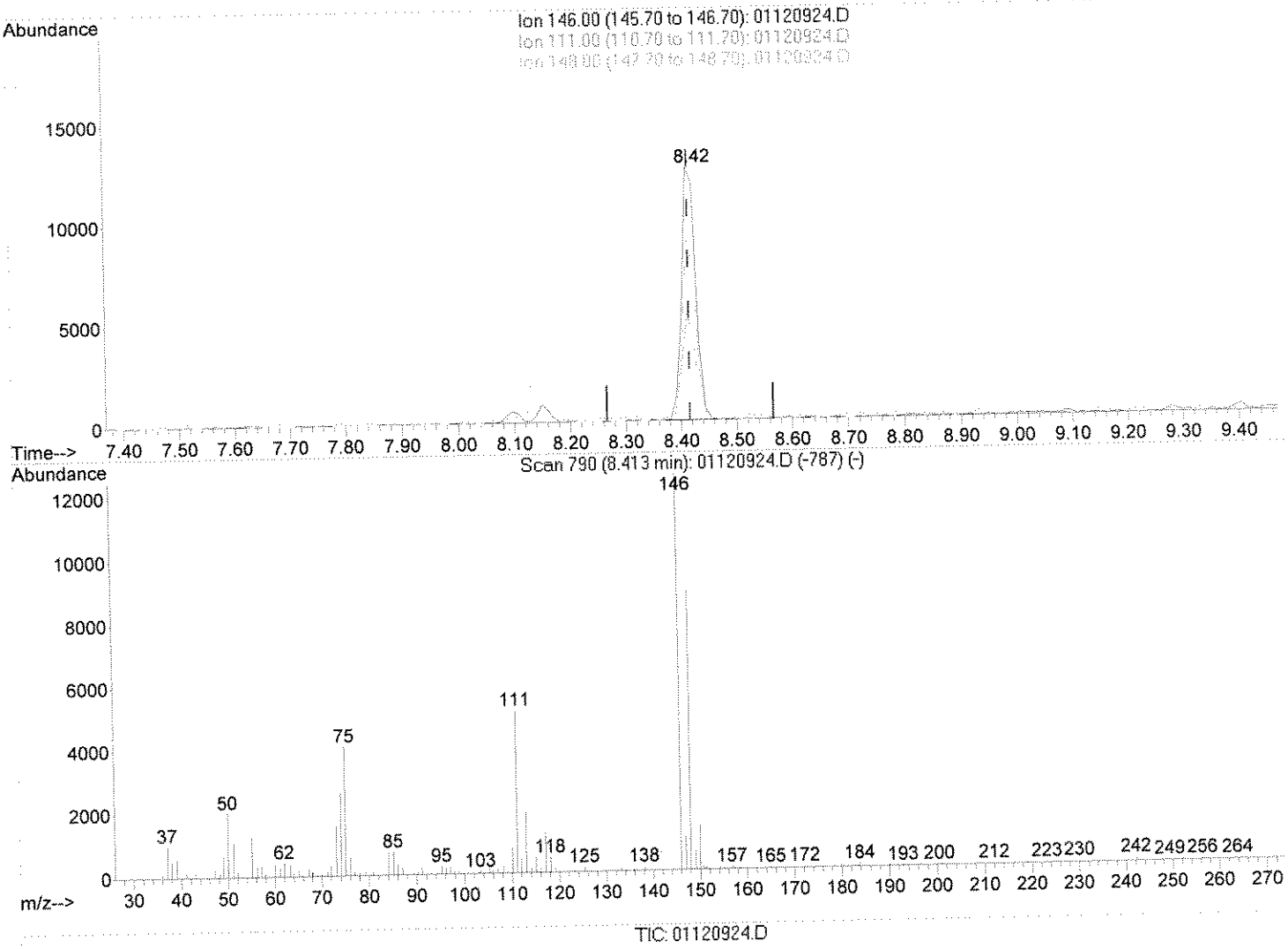
response 137220

Ion	Exp%	Act%
105.00	100	100
120.00	43.60	48.81
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120924.D Vial: 24
Acq On : 12 Jan 2009 7:15 pm Operator:
Sample : 290082.08 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 11:13 2009 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Multiple Level Calibration



(74) 1,2-dichlorobenzene

8.42min (+0.005) 5.34ug/L

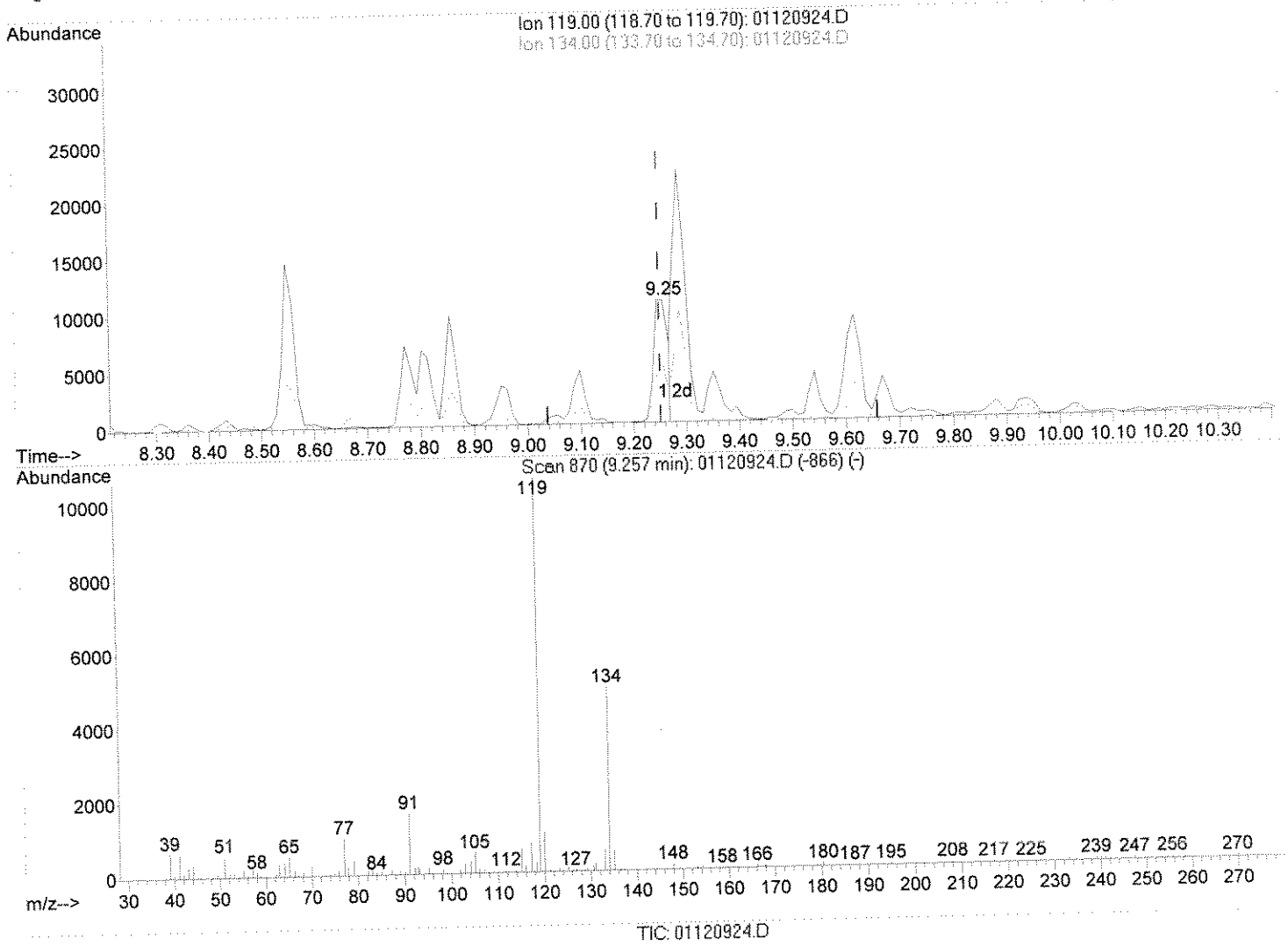
response 222001

Ion	Exp%	Act%
146.00	100	100
111.00	36.60	42.18
148.00	62.70	67.71
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120924.D Vial: 24
Acq On : 12 Jan 2009 7:15 pm Operator:
Sample : 290082.08 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 11:13 2009 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Multiple Level Calibration



(75) 1,2,4,5-tetramethylbenzene

9.25min (-0.005) 3.03ug/L m

response 250039

Ion	Exp%	Act%
119.00	100	100
134.00	45.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120925.D Vial: 25
Acq On : 12 Jan 2009 7:37 pm Operator:
Sample : 290082.09 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 10:09:22 2009 Quant Results File: VS010909.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) pentafluorobenzene	3.39	168	2938223	50.00 ug/L	0.00
24) 1,4-difluorobenzene	3.94	114	4282369	50.00 ug/L	0.00
42) chlorobenzene-d5	6.22	82	1890575	50.00 ug/L	0.00
55) 1,4-dichlorobenzene-d4	8.13	152	1942325	50.00 ug/L	0.00
System Monitoring Compounds					
27) 1,2-dichloroethane-d4	3.39	102	295101	50.26 ug/L	0.00
37) toluene-d8	5.18	98	5059392	48.91 ug/L	0.00
41) 4-bromofluorobenzene	7.14	174	1312659	42.33 ug/L	0.00
Target Compounds					Qvalue
2) dichlorodifluoromethane	1.19	85	4273m	0.12 ug/L	
3) chlorodifluoromethane	0.00	51	0	N.D.	
4) chloromethane	0.00	50	0	N.D.	
5) vinyl chloride	0.00	62	0	N.D.	
6) bromomethane	1.60	96	7211m	0.40 ug/L	
7) chloroethane	0.00	64	0	N.D.	
8) trichlorofluoromethane	0.00	101	0	N.D.	
9) freon	2.12	151	6477m	0.27 ug/L	
10) acetone	1.82	58	10743m	5.34 ug/L	
11) 1,1-dichloroethene	0.00	96	0	N.D.	
12) methylene chloride	2.09	84	63121	Below Cal	90
13) carbon disulfide	2.20	76	9555m	0.10 ug/L	
14) tert-butylmethylether	0.00	73	0	N.D.	
15) trans-1,2-dichloroethene	0.00	96	0	N.D.	
16) vinyl acetate	0.00	43	0	N.D.	
17) 1,1-dichloroethane	0.00	63	0	N.D.	
18) methyl ethyl ketone	0.00	72	0	N.D.	
19) 2,2-dichloropropane	0.00	77	0	N.D.	
20) cis-1,2-dichloroethene	0.00	96	0	N.D.	
21) chloroform	3.04	83	21247	0.39 ug/L #	17
22) bromochloromethane	0.00	128	0	N.D.	
23) 1,1,1-trichloroethane	0.00	97	0	N.D.	
25) 1,1-dichloropropene	0.00	75	0	N.D.	
26) carbon tetrachloride	0.00	119	0	N.D.	
28) 1,2-dichloroethane	3.40	62	0	N.D.	
29) benzene	0.00	78	0	N.D.	
30) trichloroethene	0.00	95	0	N.D.	
31) 1,2-dichloropropane	0.00	63	0	N.D.	
32) bromodichloromethane	4.21	83	8654m	0.23 ug/L	
33) dibromomethane	0.00	93	0	N.D.	
34) 2-chloroethylvinylether	0.00	63	0	N.D.	
35) 4-methyl-2-pentanone	0.00	43	0	N.D.	
36) cis-1,3-dichloropropene	0.00	75	0	N.D.	
38) toluene	5.23	91	18694	0.15 ug/L #	23
39) trans-1,3-dichloropropene	0.00	75	0	N.D.	
40) 1,1,2-trichloroethane	0.00	83	0	N.D.	
43) 2-hexanone	0.00	43	0	N.D.	
44) 1,3-dichloropropane	5.33	76	0	N.D.	
45) tetrachloroethene	0.00	166	0	N.D.	
46) dibromochloromethane	5.44	129	6296m	0.23 ug/L	
47) 1,2-dibromoethane	0.00	107	0	N.D.	
48) chlorobenzene	0.00	112	0	N.D.	
49) 1,1,1,2-tetrachloroethane	0.00	131	0	N.D.	
50) ethylbenzene	6.41	91	4979	N.D.	
51) m+p xylene	6.58	106	5173m	0.11 ug/l	
52) o-xylene	6.84	106	3484	N.D.	
53) styrene	0.00	104	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120925.D Vial: 25
Acq On : 12 Jan 2009 7:37 pm Operator:
Sample : 290082.09 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 10:09:22 2009 Quant Results File: VS010909.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
54) bromoform	0.00	173	0	N.D.	
56) isopropylbenzene	0.00	105	0	N.D.	
57) 1,1,2,2-tetrachloroethane	0.00	83	0	N.D.	
58) 1,2,3-trichloropropane	0.00	75	0	N.D.	
59) n-propylbenzene	0.00	91	0	N.D.	
60) bromobenzene	0.00	156	0	N.D.	
61) p-ethyltoluene	0.00	105	0	N.D.	
62) 1,3,5-trimethylbenzene	0.00	120	0	N.D.	
63) 2-chlorotoluene	0.00	126	0	N.D.	
64) 4-chlorotoluene	0.00	126	0	N.D.	
65) tert-butylbenzene	0.00	134	0	N.D.	
66) 1,2,4-trimethylbenzene	0.00	105	0	N.D.	
67) sec-butylbenzene	0.00	105	0	N.D.	
68) 4-isopropyltoluene	0.00	119	0	N.D.	
69) 1,3-dichlorobenzene	0.00	146	0	N.D.	
70) 1,4-dichlorobenzene	0.00	146	0	N.D.	
71) 1,2,3-trimethylbenzene	0.00	105	0	N.D.	
72) n-butylbenzene	0.00	92	0	N.D.	
73) p-diethylbenzene	0.00	119	0	N.D.	
74) 1,2-dichlorobenzene	0.00	146	0	N.D.	
75) 1,2,4,5-tetramethylbenzene	0.00	119	0	N.D.	
76) 1,2-dibromo-3-chloropropan	0.00	157	0	N.D.	
77) 1,2,4-trichlorobenzene	0.00	180	0	N.D.	
78) hexachlorobutadiene	0.00	225	0	N.D.	
79) naphthalene	0.00	128	0	N.D.	
80) 1,2,3-trichlorobenzene	0.00	180	0	N.D.	

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120925.D Vial: 25
Acq On : 12 Jan 2009 7:37 pm Operator:
Sample : 290082.09 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 11:25:22 2009 Quant Results File: VS010909A.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909A.M (Chemstation Integrator)
Title :
Last Update : Tue Jan 13 11:21:35 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

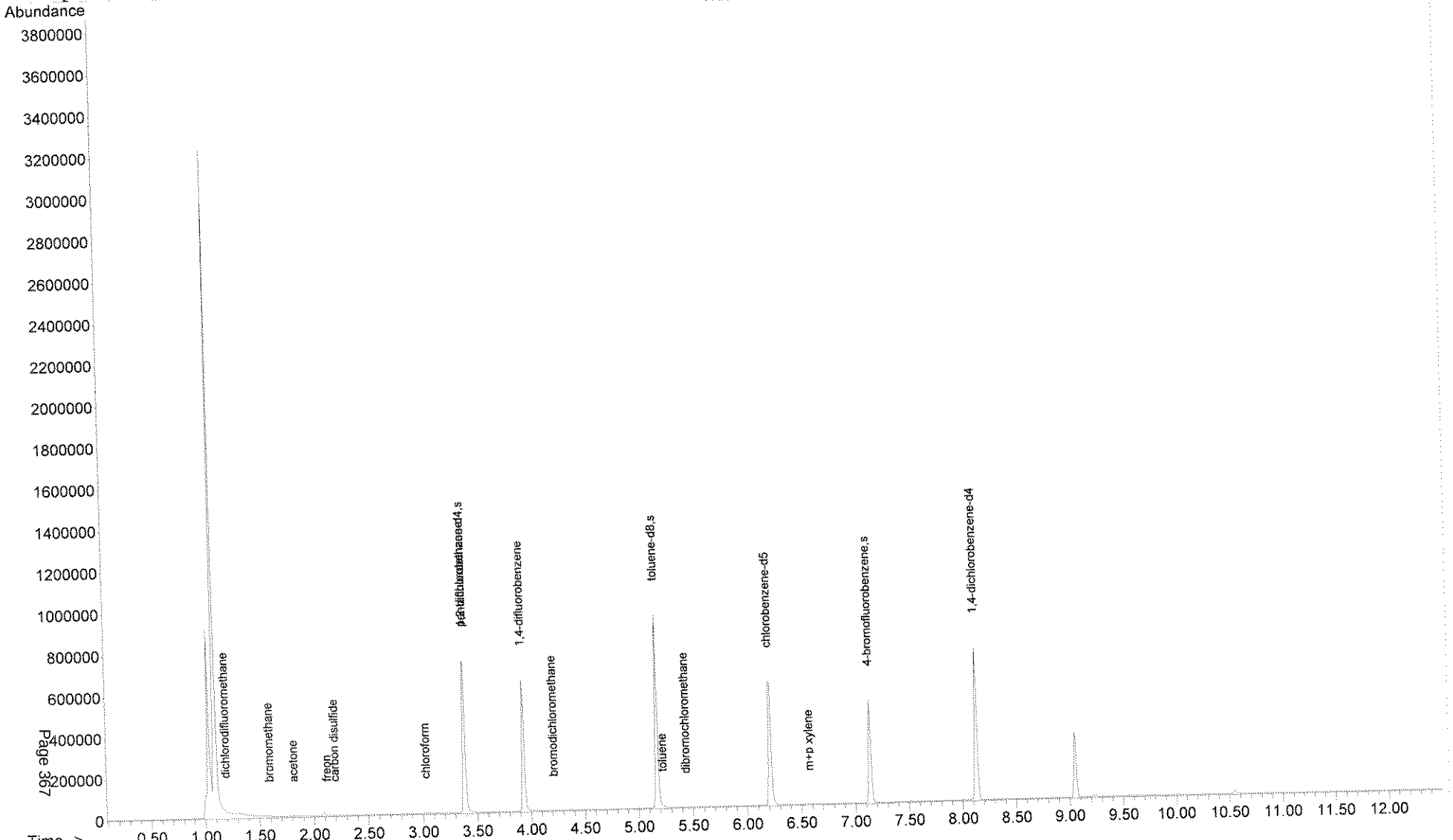
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) pentafluorobenzene	3.39	168	2938223	50.00	ug/L	0.00
3) 1,4-difluorobenzene	3.94	114	4282931	50.00	ug/L	0.00
7) chlorobenzene-d5	6.22	82	1890575	50.00	ug/L	0.00
8) 1,4-dichlorobenzene-d4	8.13	152	1942325	50.00	ug/L	0.00
System Monitoring Compounds						
4) 1,2-dichloroethane-d4	3.39	102	295101	50.21	ug/L	0.00
5) toluene-d8	5.18	98	5059392	49.55	ug/L	0.00
6) 4-bromofluorobenzene	7.14	174	1312345	45.62	ug/L	0.00
Target Compounds						Qvalue
2) methylene chloride	2.09	84	63041m	0.16	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed
01120925.D VS010909A.M Wed Jan 14 13:19:27 2009 GCMSV4

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120925.D Vial: 25
Acq On : 12 Jan 2009 7:37 pm Operator:
Sample : 290082.09 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 10:10 2009 Quant Results File: VS010909.RES

Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration

TIC: 01120925.D



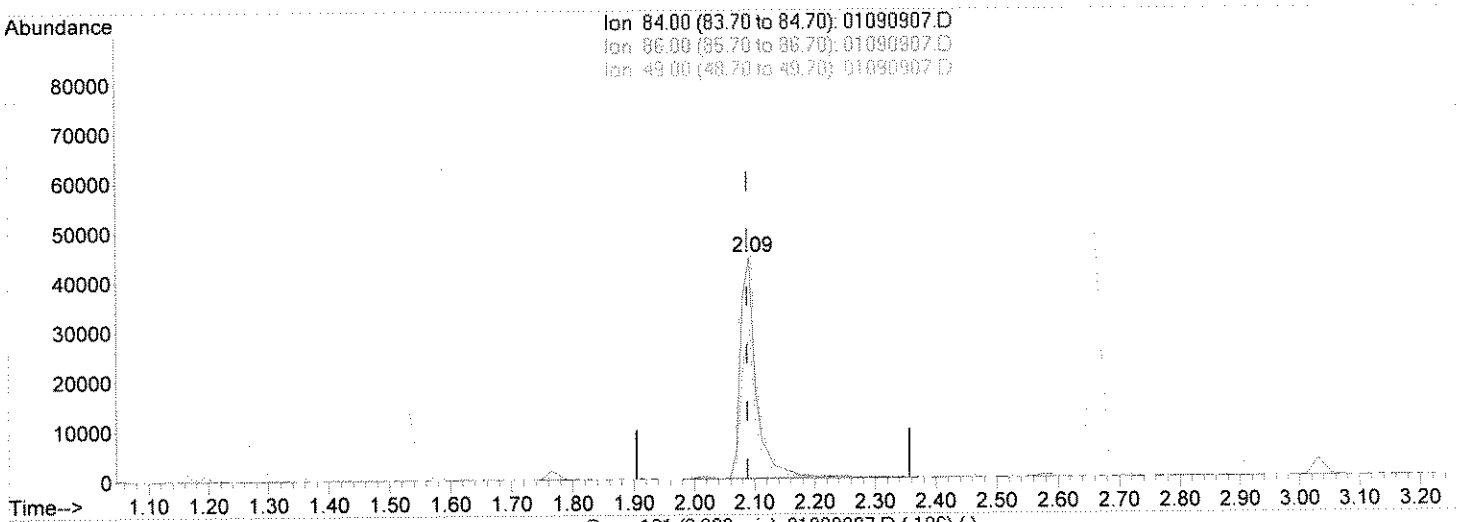
01120925.D VS010909.M Wed Jan 14 13:18:22 2009 GCMSV4

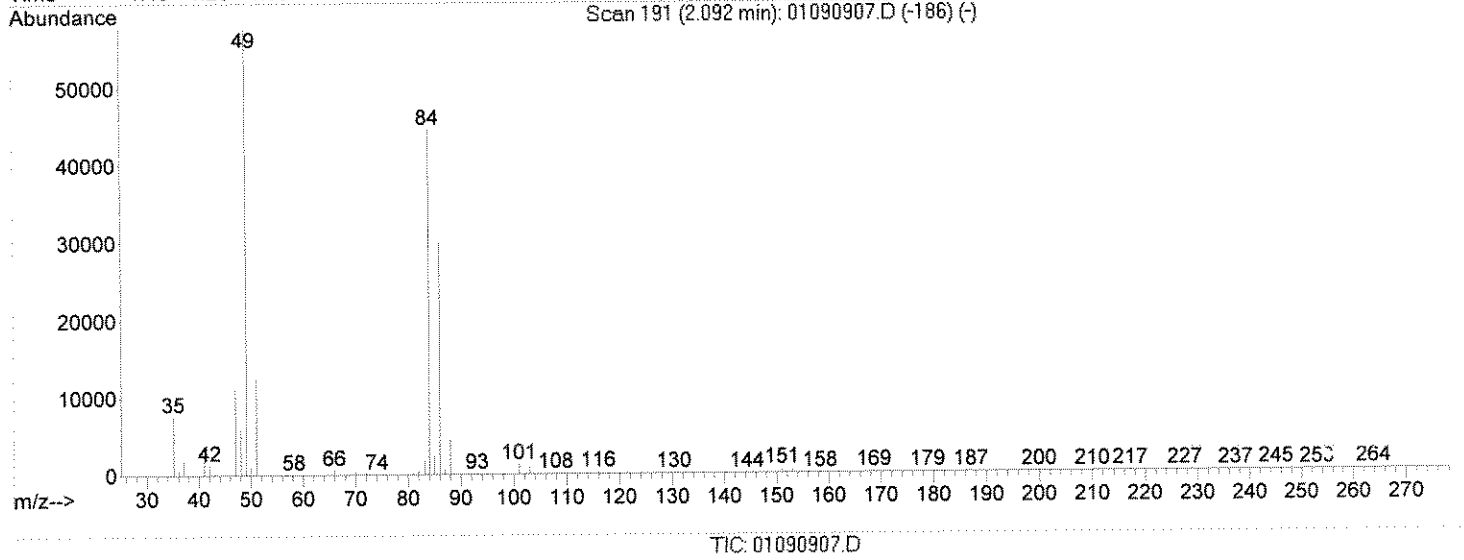
Standard Spectra for Positive Hits

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\0109\010909\01090907.D Vial: 7
Acq On : 9 Jan 2009 6:56 pm Operator:
Sample : soil stnd 20ug/Kg Inst : GCMSV4
Misc : KM010909 MultiplIr: 1.00
MS Integration Params: events.e
Quant Time: Jan 12 10:20 2009 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\VW11209.M (Chemstation Integrator)
Title :
Last Update : Tue Jan 13 10:27:40 2009
Response via : Multiple Level Calibration





TIC: 01090907.D

(12) methylene chloride

2.09min (+0.004) 18.95ug/L

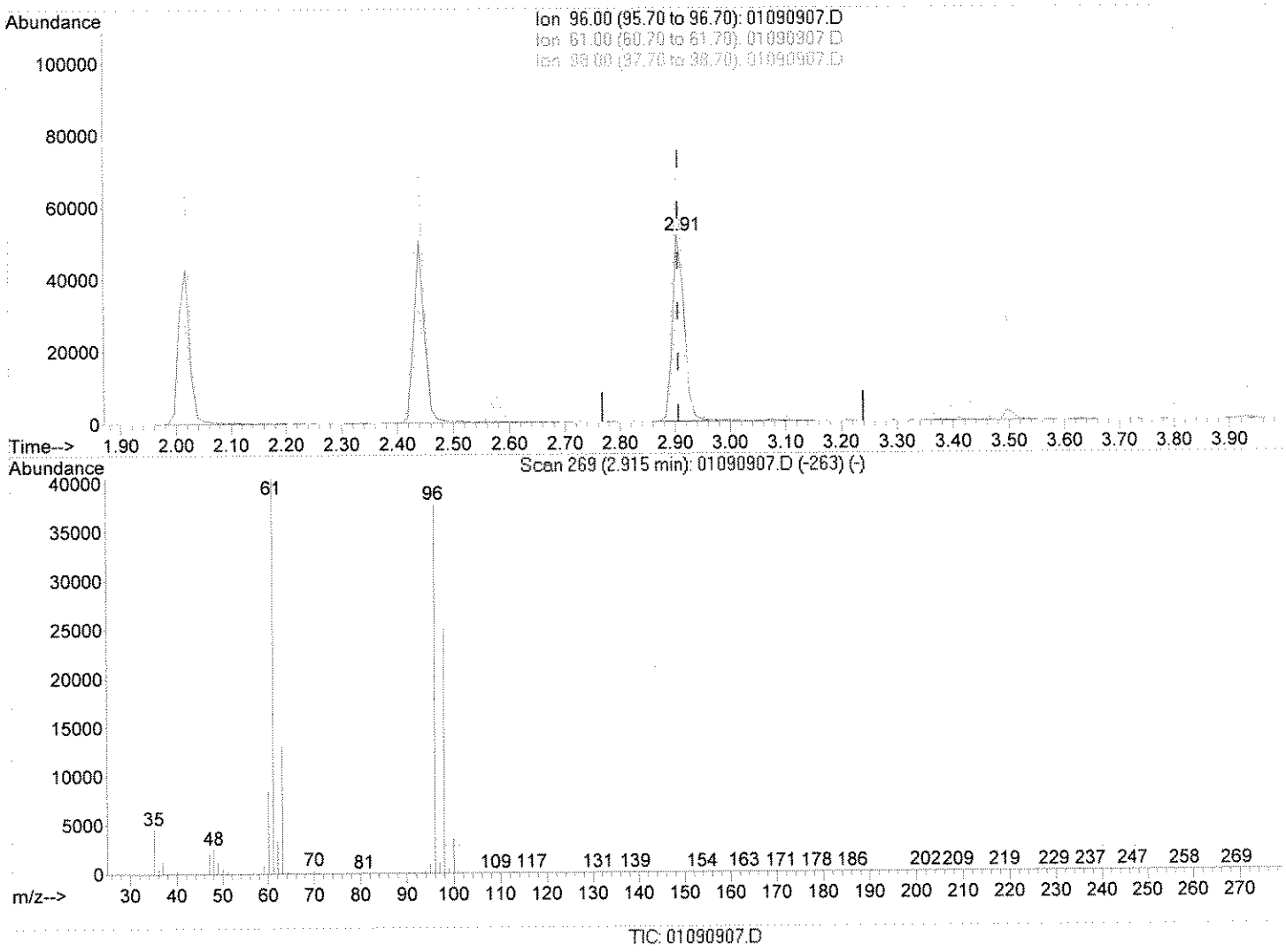
response 785836

Ion	Exp%	Act%
84.00	100	100
86.00	67.50	64.12
49.00	129.60	139.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\0109\010909\01090907.D Vial: 7
Acq On : 9 Jan 2009 6:56 pm Operator:
Sample : soil stnd 20ug/Kg Inst : GCMSV4
Misc : KM010909 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 12 10:20 2009 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\VW11209.M (Chemstation Integrator)
Title :
Last Update : Tue Jan 13 10:27:40 2009
Response via : Multiple Level Calibration



TIC: 01090907.D

(20) cis-1,2-dichloroethene

2.91min (+0.005) 20.34ug/L

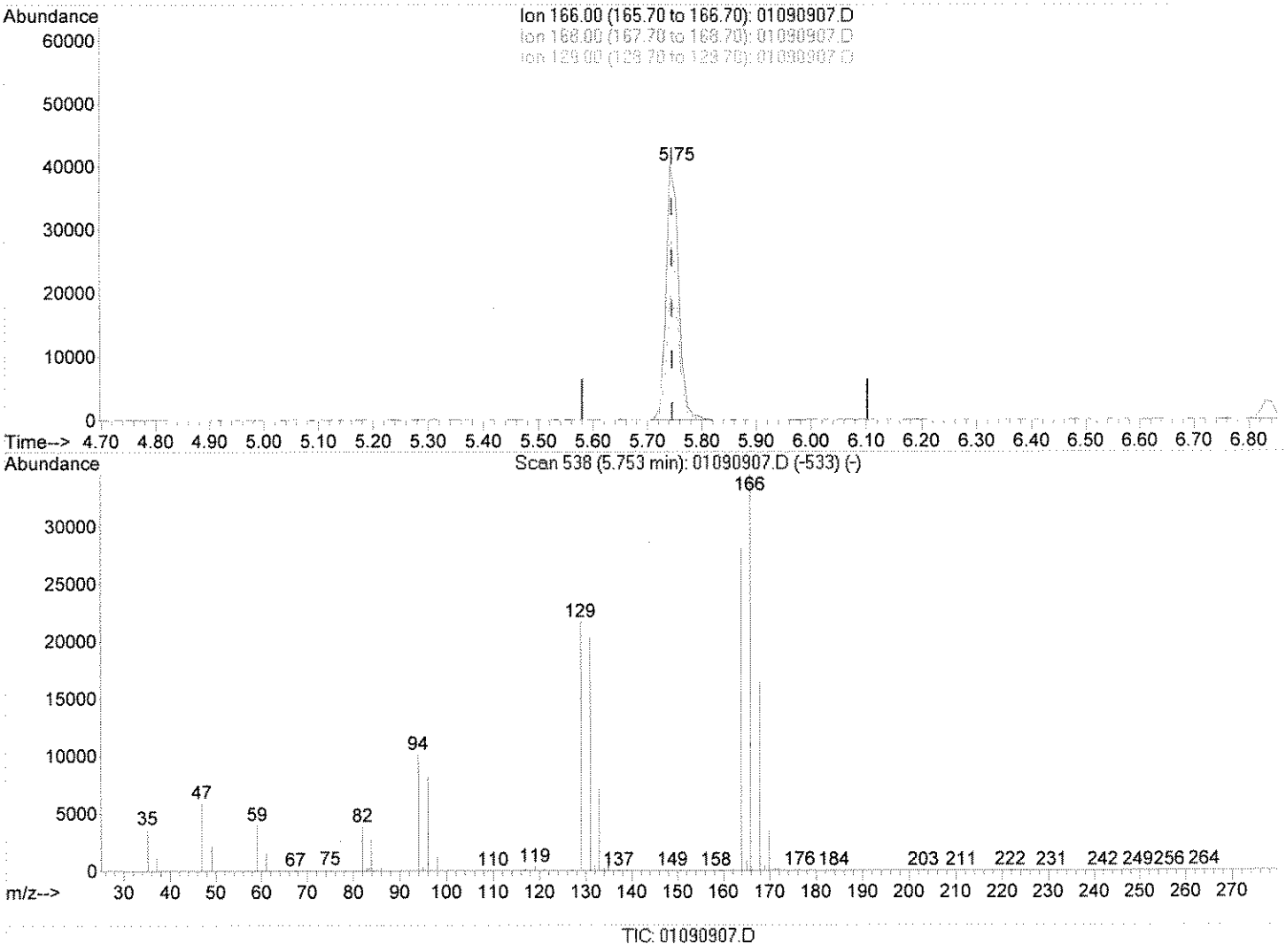
response 754049

Ion	Exp%	Act%
96.00	100	100
61.00	133.40	130.15
98.00	64.00	65.35
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\0109\010909\01090907.D Vial: 7
Acq On : 9 Jan 2009 6:56 pm Operator:
Sample : soil stnd 20ug/Kg Inst : GCMSV4
Misc : KM010909 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 12 10:20 2009 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\VW11209.M (Chemstation Integrator)
Title :
Last Update : Tue Jan 13 10:27:40 2009
Response via : Multiple Level Calibration



(45) tetrachloroethene

5.75min (+0.005) 20.01ug/L

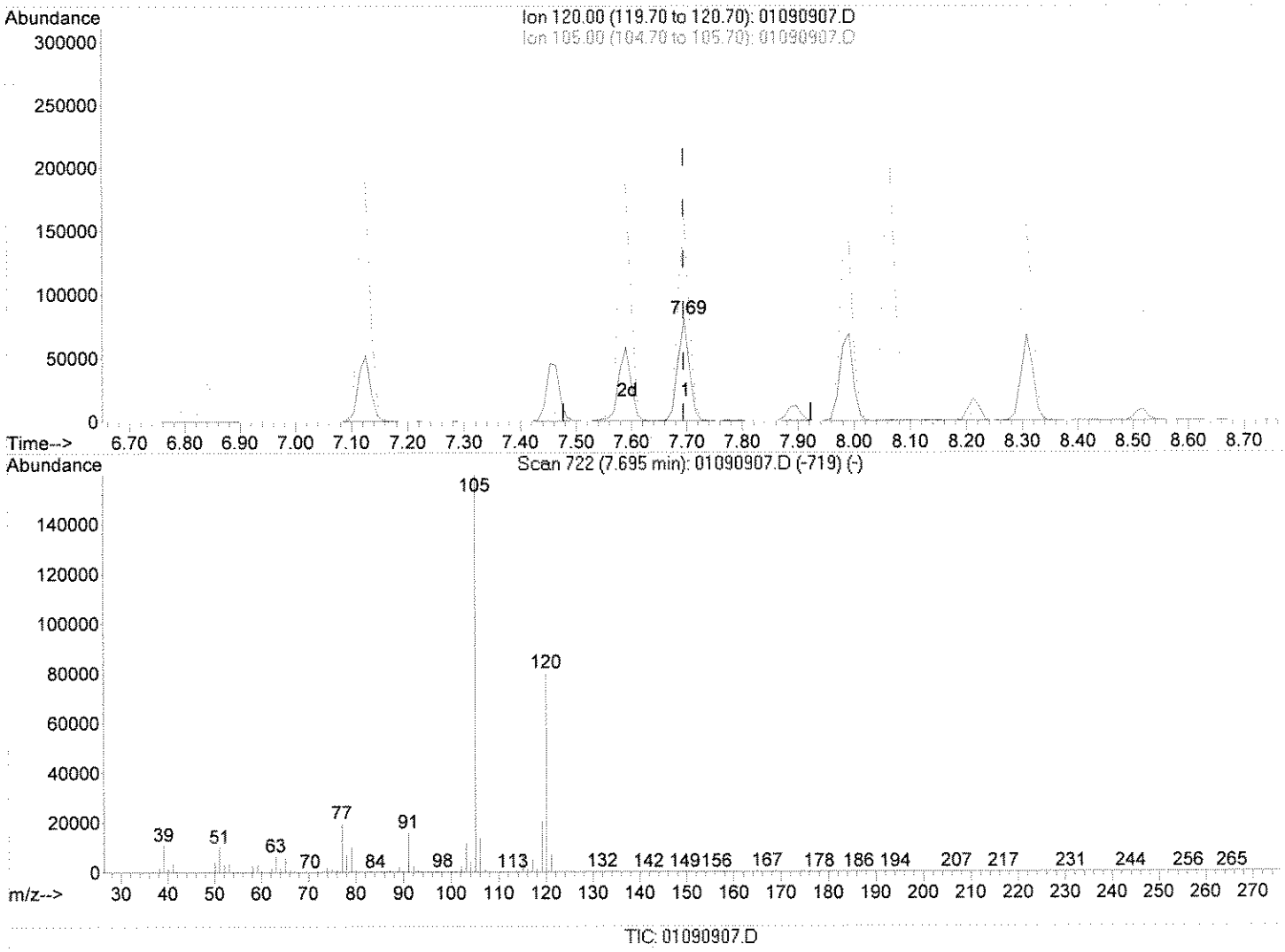
response 652998

Ion	Exp%	Act%
166.00	100	100
168.00	48.20	47.92
129.00	74.20	71.53
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\0109\010909\01090907.D Vial: 7
Acq On : 9 Jan 2009 6:56 pm Operator:
Sample : soil stnd 20ug/Kg Inst : GCMSV4
Misc : KM010909 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 12 10:20 2009 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\VW11209.M (Chemstation Integrator)
Title :
Last Update : Tue Jan 13 10:27:40 2009
Response via : Multiple Level Calibration



(62) 1,3,5-trimethylbenzene

7.70min (+0.004) 20.05ug/L

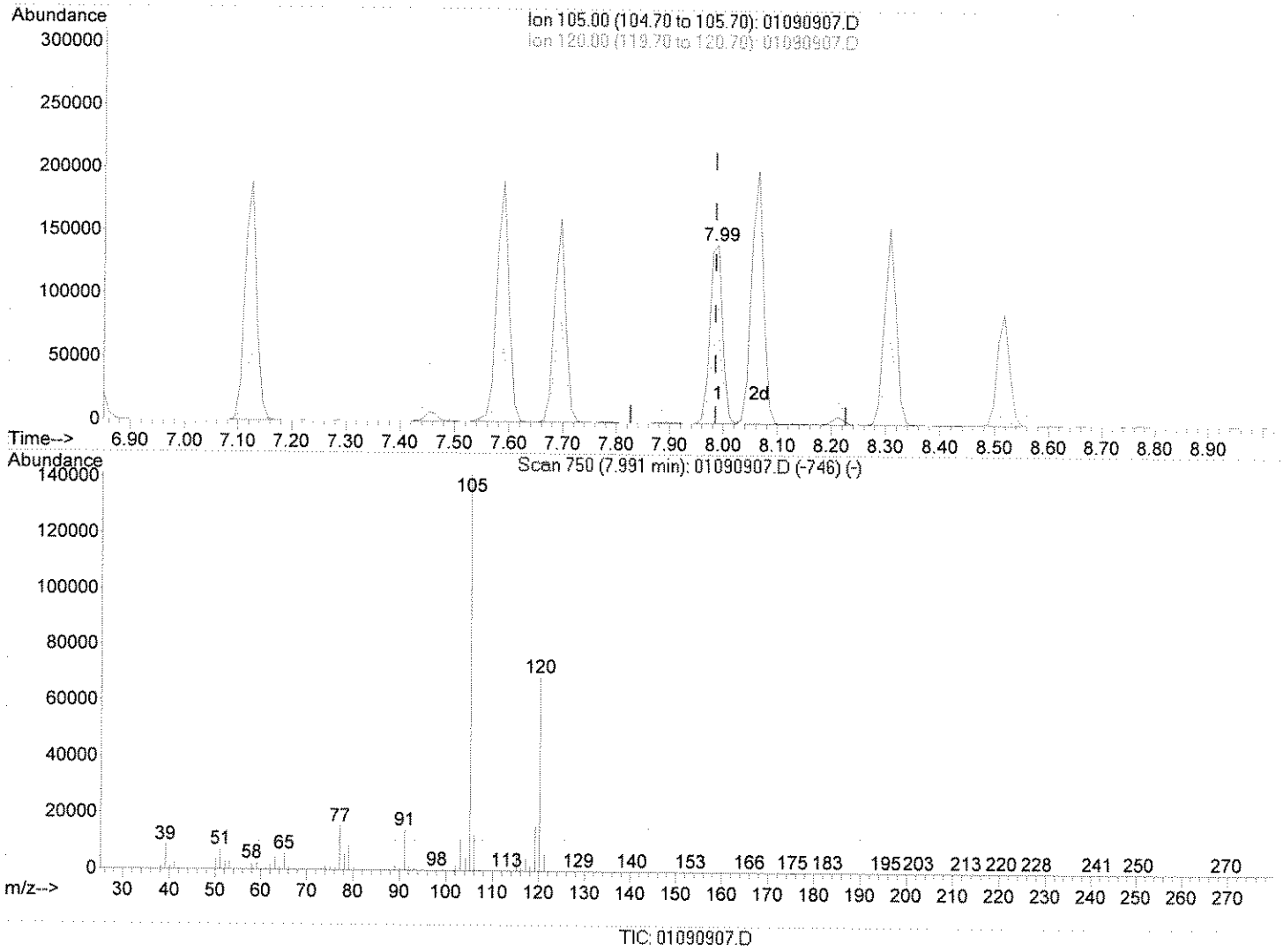
response 1160616

Ion	Exp%	Act%
120.00	100	100
105.00	199.40	201.01
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\0109\010909\01090907.D Vial: 7
Acq On : 9 Jan 2009 6:56 pm Operator:
Sample : soil stnd 20ug/Kg Inst : GCMSV4
Misc : KM010909 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 12 10:20 2009 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\VW11209.M (Chemstation Integrator)
Title :
Last Update : Tue Jan 13 10:27:40 2009
Response via : Multiple Level Calibration



TIC: 01090907.D

(66) 1,2,4-trimethylbenzene

7.99min (+0.004) 20.31ug/L

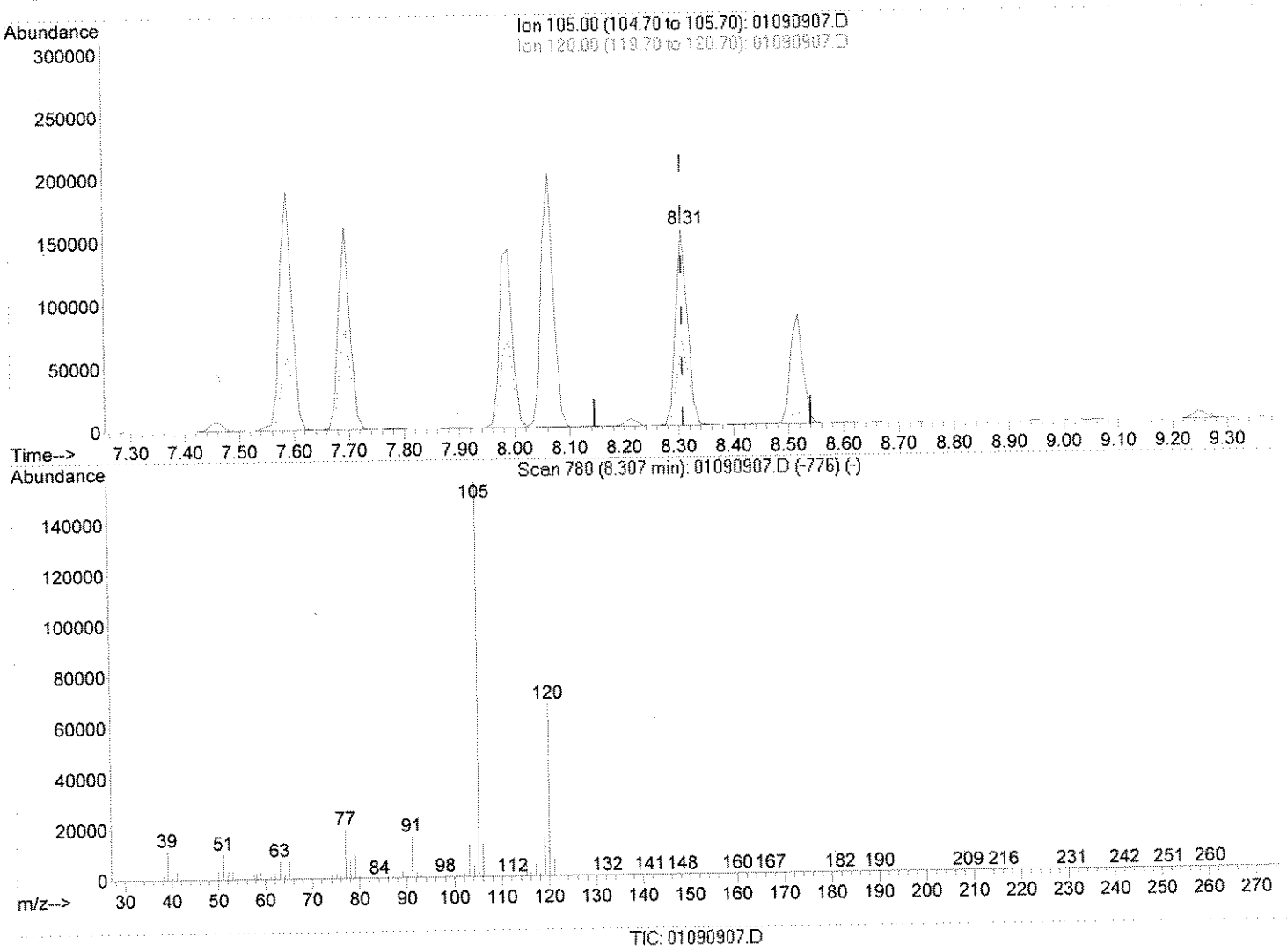
response 2350375

Ion	Exp%	Act%
105.00	100	100
120.00	48.80	47.52
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\0109\010909\01090907.D Vial: 7
Acq On : 9 Jan 2009 6:56 pm Operator:
Sample : soil stnd 20ug/Kg Inst : GCMSV4
Misc : KM010909 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 12 10:20 2009 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\VW11209.M (Chemstation Integrator)
Title :
Last Update : Tue Jan 13 10:27:40 2009
Response via : Multiple Level Calibration



TIC: 01090907.D

(71) 1,2,3-trimethylbenzene

8.31min (+0.004) 19.97ug/L

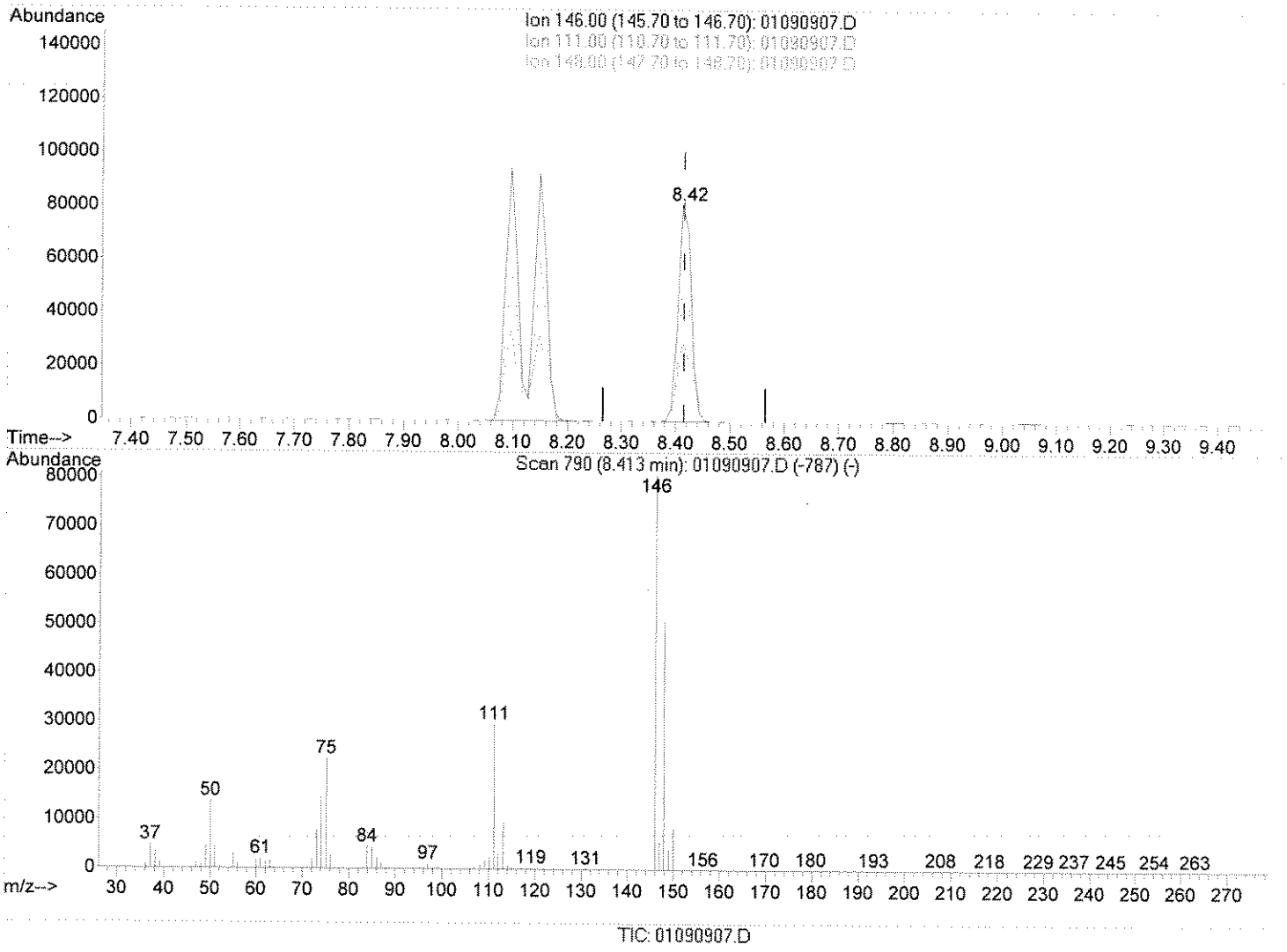
response 2348017

Ion	Exp%	Act%
105.00	100	100
120.00	43.60	43.35
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\0109\010909\01090907.D Vial: 7
Acq On : 9 Jan 2009 6:56 pm Operator:
Sample : soil stnd 20ug/Kg Inst : GCMSV4
Misc : KM010909 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 12 10:20 2009 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\VW11209.M (Chemstation Integrator)
Title :
Last Update : Tue Jan 13 10:27:40 2009
Response via : Multiple Level Calibration



(74) 1,2-dichlorobenzene

8.42min (+0.005) 20.69ug/L

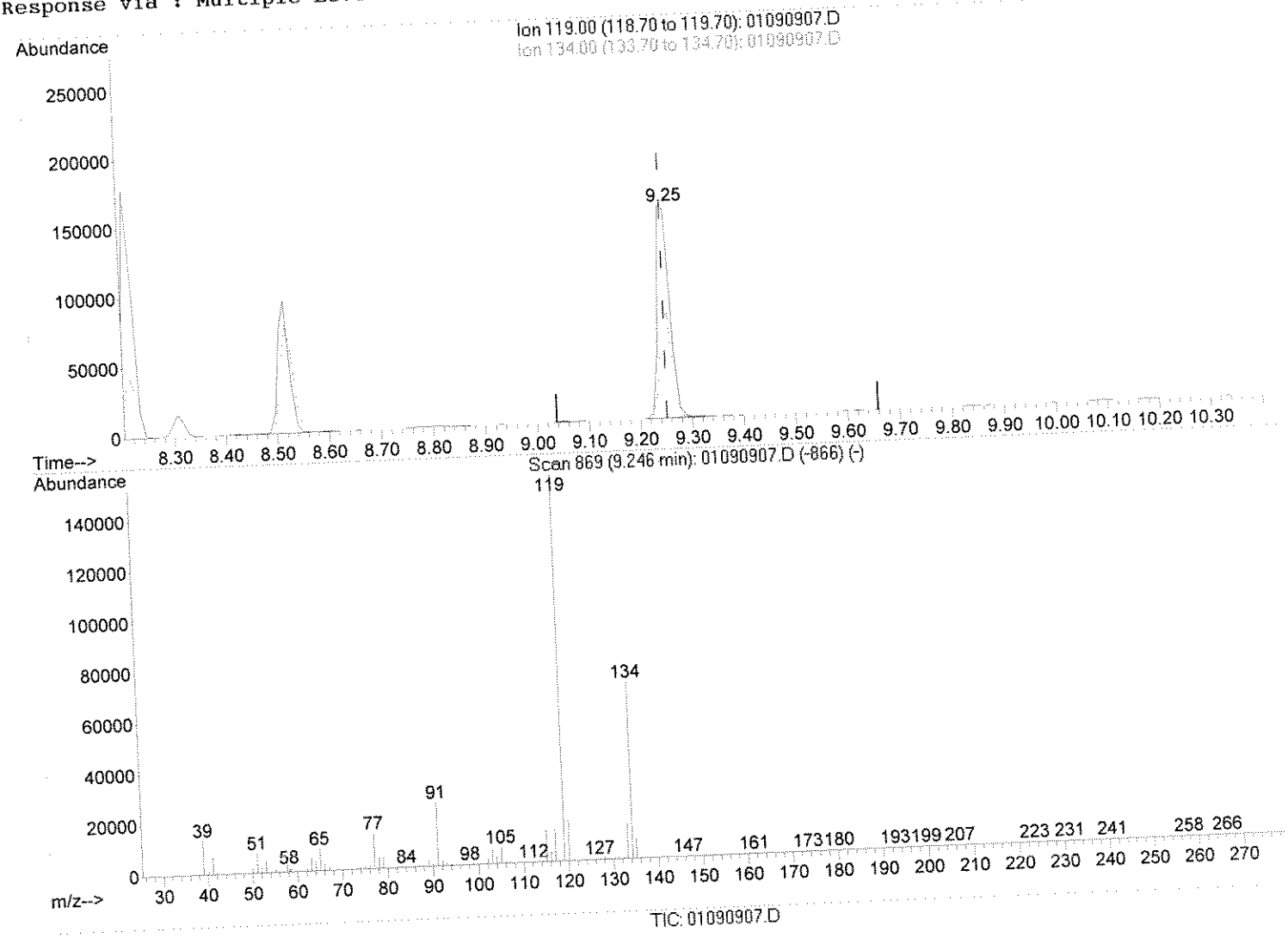
response 1364064

Ion	Exp%	Act%
146.00	100	100
111.00	36.60	35.79
148.00	62.70	62.40
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\0109\010909\01090907.D Vial: 7
Acq On : 9 Jan 2009 6:56 pm Operator:
Sample : soil stnd 20ug/Kg Inst : GCMSV4
Misc : KM010909 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 12 10:20 2009 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\VW11209.M (Chemstation Integrator)
Title :
Last Update : Tue Jan 13 10:27:40 2009
Response via : Multiple Level Calibration



(75) 1,2,4,5-tetramethylbenzene

9.26min (+0.005) 19.74ug/L

response 2618337

Ion	Exp%	Act%
119.00	100	100
134.00	45.50	47.74
0.00	0.00	0.00
0.00	0.00	0.00

Matrix Spikes/Matrix Spike Duplicates

Summary Report
Quant Reports and Chomatograms

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Ecotest Labs, Inc Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Matrix Spike - Sample No.: 290082.09

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,1-dichloroethene	20	0	21.7	109	76 120
Trichloroethene	20	0	21.4	107	76 118
Chlorobenzene	20	0	21.4	107	78 119
Toluene	20	0.2	21.5	107	76 114
Benzene	20	0	21.2	106	85 113

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MS % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-dichloroethene	20	20.8	104	4.2	19.0	76 120
Trichloroethene	20	20.6	103	3.8	15.0	83 114
Chlorobenzene	20	21.0	105	1.9	11.0	78 119
Toluene	20	21.3	106	1.0	12.0	77 116
Benzene	20	21.5	108	1.4	10.0	85 113

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments: _____

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120925.D Vial: 25
Acq On : 12 Jan 2009 7:37 pm Operator:
Sample : 290082.09 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 10:09:22 2009 Quant Results File: VS010909.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) pentafluorobenzene	3.39	168	2938223	50.00 ug/L	0.00
24) 1,4-difluorobenzene	3.94	114	4282369	50.00 ug/L	0.00
42) chlorobenzene-d5	6.22	82	1890575	50.00 ug/L	0.00
55) 1,4-dichlorobenzene-d4	8.13	152	1942325	50.00 ug/L	0.00
System Monitoring Compounds					
27) 1,2-dichloroethane-d4	3.39	102	295101	50.26 ug/L	0.00
37) toluene-d8	5.18	98	5059392	48.91 ug/L	0.00
41) 4-bromofluorobenzene	7.14	174	1312659	42.33 ug/L	0.00
Target Compounds					Qvalue
2) dichlorodifluoromethane	1.19	85	4273m	0.12 ug/L	
3) chlorodifluoromethane	0.00	51	0	N.D.	
4) chloromethane	0.00	50	0	N.D.	
5) vinyl chloride	0.00	62	0	N.D.	
6) bromomethane	1.60	96	7211m	0.40 ug/L	
7) chloroethane	0.00	64	0	N.D.	
8) trichlorofluoromethane	0.00	101	0	N.D.	
9) freon	2.12	151	6477m	0.27 ug/L	
10) acetone	1.82	58	10743m	5.34 ug/L	
11) 1,1-dichloroethene	0.00	96	0	N.D.	
12) methylene chloride	2.09	84	63121	Below Cal	90
13) carbon disulfide	2.20	76	9555m	0.10 ug/L	
14) tert-butylmethylether	0.00	73	0	N.D.	
15) trans-1,2-dichloroethene	0.00	96	0	N.D.	
16) vinyl acetate	0.00	43	0	N.D.	
17) 1,1-dichloroethane	0.00	63	0	N.D.	
18) methyl ethyl ketone	0.00	72	0	N.D.	
19) 2,2-dichloropropane	0.00	77	0	N.D.	
20) cis-1,2-dichloroethene	0.00	96	0	N.D.	
21) chloroform	3.04	83	21247	0.39 ug/L #	17
22) bromochloromethane	0.00	128	0	N.D.	
23) 1,1,1-trichloroethane	0.00	97	0	N.D.	
25) 1,1-dichloropropene	0.00	75	0	N.D.	
26) carbon tetrachloride	0.00	119	0	N.D.	
28) 1,2-dichloroethane	3.40	62	0	N.D.	
29) benzene	0.00	78	0	N.D.	
30) trichloroethene	0.00	95	0	N.D.	
31) 1,2-dichloropropane	0.00	63	0	N.D.	
32) bromodichloromethane	4.21	83	8654m	0.23 ug/L	
33) dibromomethane	0.00	93	0	N.D.	
34) 2-chloroethylvinylether	0.00	63	0	N.D.	
35) 4-methyl-2-pentanone	0.00	43	0	N.D.	
36) cis-1,3-dichloropropene	0.00	75	0	N.D.	
38) toluene	5.23	91	18694	0.15 ug/L #	23
39) trans-1,3-dichloropropene	0.00	75	0	N.D.	
40) 1,1,2-trichloroethane	0.00	83	0	N.D.	
43) 2-hexanone	0.00	43	0	N.D.	
44) 1,3-dichloropropane	5.33	76	0	N.D.	
45) tetrachloroethene	0.00	166	0	N.D.	
46) dibromochloromethane	5.44	129	6296m	0.23 ug/L	
47) 1,2-dibromoethane	0.00	107	0	N.D.	
48) chlorobenzene	0.00	112	0	N.D.	
49) 1,1,1,2-tetrachloroethane	0.00	131	0	N.D.	
50) ethylbenzene	6.41	91	4979	N.D.	
51) m+p xylene	6.58	106	5173m	0.11 ug/l	
52) o-xylene	6.84	106	3484	N.D.	
53) styrene	0.00	104	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120925.D Vial: 25
Acq On : 12 Jan 2009 7:37 pm Operator:
Sample : 290082.09 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 10:09:22 2009 Quant Results File: VS010909.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
54)	bromoform	0.00	173	0	N.D.	
56)	isopropylbenzene	0.00	105	0	N.D.	
57)	1,1,2,2-tetrachloroethane	0.00	83	0	N.D.	
58)	1,2,3-trichloropropane	0.00	75	0	N.D.	
59)	n-propylbenzene	0.00	91	0	N.D.	
60)	bromobenzene	0.00	156	0	N.D.	
61)	p-ethyltoluene	0.00	105	0	N.D.	
62)	1,3,5-trimethylbenzene	0.00	120	0	N.D.	
63)	2-chlorotoluene	0.00	126	0	N.D.	
64)	4-chlorotoluene	0.00	126	0	N.D.	
65)	tert-butylbenzene	0.00	134	0	N.D.	
66)	1,2,4-trimethylbenzene	0.00	105	0	N.D.	
67)	sec-butylbenzene	0.00	105	0	N.D.	
68)	4-isopropyltoluene	0.00	119	0	N.D.	
69)	1,3-dichlorobenzene	0.00	146	0	N.D.	
70)	1,4-dichlorobenzene	0.00	146	0	N.D.	
71)	1,2,3-trimethylbenzene	0.00	105	0	N.D.	
72)	n-butylbenzene	0.00	92	0	N.D.	
73)	p-diethylbenzene	0.00	119	0	N.D.	
74)	1,2-dichlorobenzene	0.00	146	0	N.D.	
75)	1,2,4,5-tetramethylbenzene	0.00	119	0	N.D.	
76)	1,2-dibromo-3-chloropropan	0.00	157	0	N.D.	
77)	1,2,4-trichlorobenzene	0.00	180	0	N.D.	
78)	hexachlorobutadiene	0.00	225	0	N.D.	
79)	naphthalene	0.00	128	0	N.D.	
80)	1,2,3-trichlorobenzene	0.00	180	0	N.D.	

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120925.D Vial: 25
Acq On : 12 Jan 2009 7:37 pm Operator:
Sample : 290082.09 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 11:25:22 2009 Quant Results File: VS010909A.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909A.M (Chemstation Integrator)
Title :
Last Update : Tue Jan 13 11:21:35 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

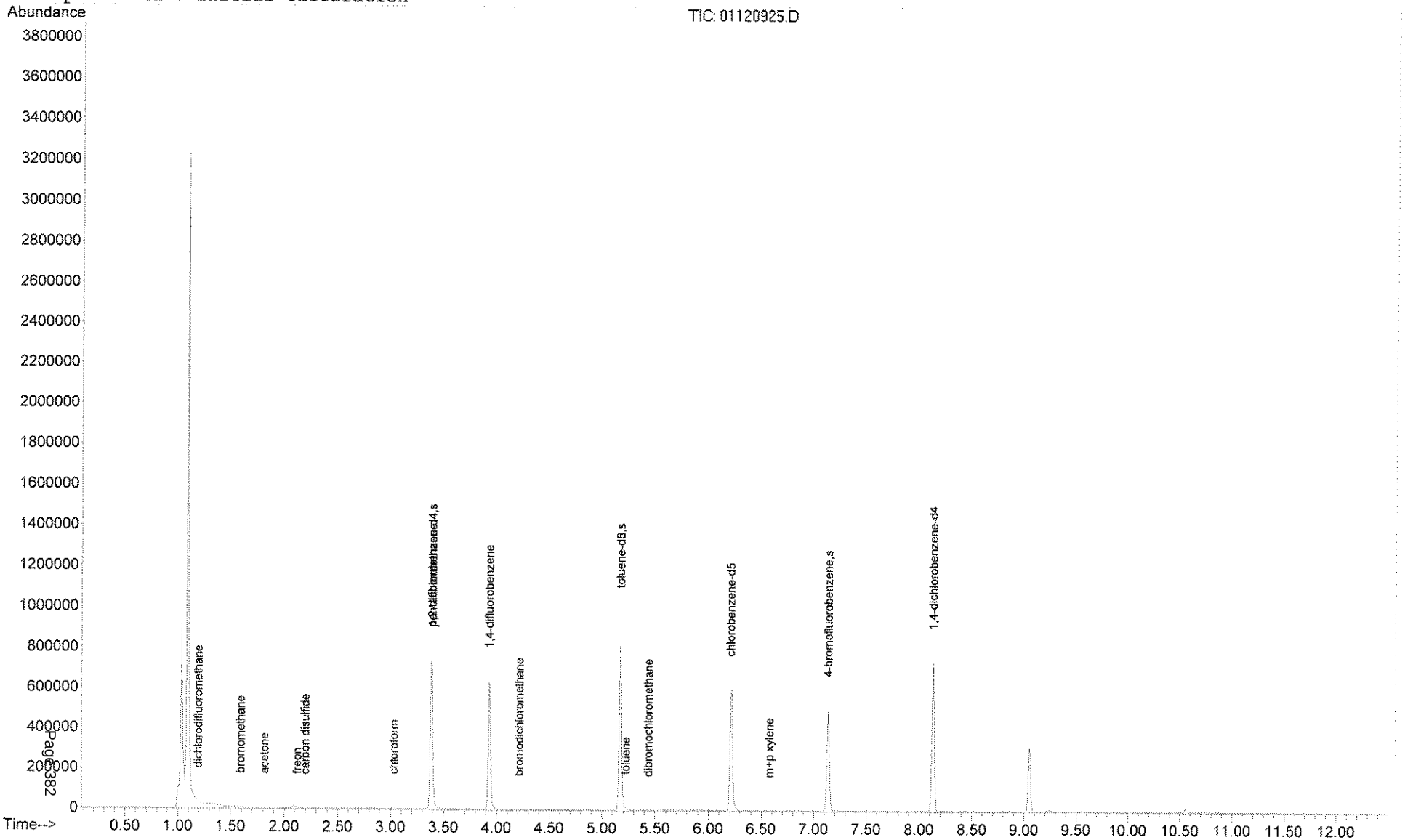
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) pentafluorobenzene	3.39	168	2938223	50.00	ug/L	0.00
3) 1,4-difluorobenzene	3.94	114	4282931	50.00	ug/L	0.00
7) chlorobenzene-d5	6.22	82	1890575	50.00	ug/L	0.00
8) 1,4-dichlorobenzene-d4	8.13	152	1942325	50.00	ug/L	0.00
System Monitoring Compounds						
4) 1,2-dichloroethane-d4	3.39	102	295101	50.21	ug/L	0.00
5) toluene-d8	5.18	98	5059392	49.55	ug/L	0.00
6) 4-bromofluorobenzene	7.14	174	1312345	45.62	ug/L	0.00
Target Compounds						Qvalue
2) methylene chloride	2.09	84	63041m	0.16	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120925.D Vial: 25
Acq On : 12 Jan 2009 7:37 pm Operator:
Sample : 290082.09 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 10:10 2009 Quant Results File: VS010909.RES

Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120926.D Vial: 26
Acq On : 12 Jan 2009 7:59 pm Operator:
Sample : 290082.09 1g +20MS Inst : GCMSV4
Misc : KM011209 MS passed KM Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 09:29:58 2009 Quant Results File: VS010909.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) pentafluorobenzene	3.39	168	3094146	50.00	ug/L		0.00
24) 1,4-difluorobenzene	3.93	114	4437102	50.00	ug/L		0.00
42) chlorobenzene-d5	6.22	82	2018675	50.00	ug/L		0.00
55) 1,4-dichlorobenzene-d4	8.13	152	2329846	50.00	ug/L		0.00
System Monitoring Compounds							
27) 1,2-dichloroethane-d4	3.39	102	306025	50.31	ug/L		0.00
37) toluene-d8	5.18	98	5358226	49.99	ug/L		0.00
41) 4-bromofluorobenzene	7.14	174	1554795	48.39	ug/L		0.00
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.20	85	686928	19.14	ug/L		97
3) chlorodifluoromethane	1.17	51	906494	19.13	ug/L		99
4) chloromethane	1.27	50	839335	20.93	ug/L	#	97
5) vinyl chloride	1.33	62	906348	20.66	ug/L		99
6) bromomethane	1.48	96	385160	19.78	ug/L		99
7) chloroethane	1.53	64	514780	20.44	ug/L		99
8) trichlorofluoromethane	1.77	101	1032632	20.61	ug/L		96
9) freon	2.12	151	507170	20.30	ug/L		95
10) acetone	1.81	58	222566	104.50	ug/L		99
11) 1,1-dichloroethene	2.01	96	556937	21.71	ug/L		95
12) methylene chloride	2.09	84	772672	21.06	ug/L		94
13) carbon disulfide	2.20	76	2102580	20.97	ug/L		99
14) tert-butylmethylether	2.50	73	1390950	19.22	ug/L	#	98
15) trans-1,2-dichloroethene	2.44	96	600753	20.61	ug/L		100
16) vinyl acetate	2.66	43	5962072	87.65	ug/L		100
17) 1,1-dichloroethane	2.57	63	1184427	21.36	ug/L		99
18) methyl ethyl ketone	2.82	72	280083	99.18	ug/L	#	98
19) 2,2-dichloropropane	3.08	77	740273	20.54	ug/L		99
20) cis-1,2-dichloroethene	2.91	96	689884	20.56	ug/L		97
21) chloroform	3.03	83	1199080	20.98	ug/L		100
22) bromochloromethane	3.00	128	330600	20.20	ug/L		83
23) 1,1,1-trichloroethane	3.50	97	914571	20.46	ug/L	#	87
25) 1,1-dichloropropene	3.62	75	840518	21.52	ug/L		99
26) carbon tetrachloride	3.73	119	802166	21.31	ug/L		98
28) 1,2-dichloroethane	3.43	62	826565m	22.30	ug/L		
29) benzene	3.76	78	2525452	21.22	ug/L		99
30) trichloroethene	4.19	95	632595	21.35	ug/L		98
31) 1,2-dichloropropane	4.16	63	639741	21.24	ug/L		98
32) bromodichloromethane	4.22	83	851664	21.09	ug/L		97
33) dibromomethane	4.13	93	354511	21.98	ug/L		93
34) 2-chloroethylvinylether	4.54	63	242521	18.29	ug/L		96
35) 4-methyl-2-pentanone	4.77	43	2718883	104.07	ug/L		97
36) cis-1,3-dichloropropene	4.67	75	866112	20.82	ug/L		98
38) toluene	5.23	91	2751922	21.54	ug/L		99
39) trans-1,3-dichloropropene	4.99	75	717863	20.63	ug/L		99
40) 1,1,2-trichloroethane	5.08	83	395318	20.48	ug/L		99
43) 2-hexanone	5.40	43	1830029	102.46	ug/L		99
44) 1,3-dichloropropane	5.26	76	903413	21.28	ug/L		99
45) tetrachloroethene	5.75	166	626532	21.29	ug/L		96
46) dibromochloromethane	5.44	129	605700	21.16	ug/L		98
47) 1,2-dibromoethane	5.61	107	482276	20.61	ug/L	#	96
48) chlorobenzene	6.24	112	1680356	21.42	ug/L		95
49) 1,1,1,2-tetrachloroethane	6.19	131	554774	20.66	ug/L	#	1
50) ethylbenzene	6.40	91	2832813	21.20	ug/L		98
51) m+p xylene	6.55	106	2151525	42.08	ug/l		96
52) o-xylene	6.85	106	1137232	21.72	ug/L		98
53) styrene	6.79	104	1729762	20.54	ug/L		91

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120926.D Vial: 26
Acq On : 12 Jan 2009 7:59 pm Operator:
Sample : 290082.09 1g +20MS Inst : GCMSV4
Misc : KM011209 MS passed KM Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 09:29:58 2009 Quant Results File: VS010909.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
54)	bromoform	6.60	173	352738	20.99	ug/L		94
56)	isopropylbenzene	7.13	105	2698262	21.00	ug/L		99
57)	1,1,2,2-tetrachloroethane	6.83	83	611305	21.41	ug/L		92
58)	1,2,3-trichloropropane	6.94	75	447403	21.46	ug/L		98
59)	n-propylbenzene	7.46	91	3121260	21.42	ug/L		99
60)	bromobenzene	7.29	156	687661	21.07	ug/L	#	87
61)	p-ethyltoluene	7.59	105	2742646	20.99	ug/L		99
62)	1,3,5-trimethylbenzene	7.70	120	1096062	20.74	ug/L		98
63)	2-chlorotoluene	7.52	126	655681	21.02	ug/L		88
64)	4-chlorotoluene	7.58	126	672585	20.75	ug/L		75
65)	tert-butylbenzene	7.90	134	479676	20.28	ug/L		82
66)	1,2,4-trimethylbenzene	7.99	105	2220407	21.01	ug/L		96
67)	sec-butylbenzene	8.07	105	2938688	21.39	ug/L		99
68)	4-isopropyltoluene	8.22	119	2446805	21.48	ug/L		98
69)	1,3-dichlorobenzene	8.10	146	1318091	20.77	ug/L		96
70)	1,4-dichlorobenzene	8.15	146	1355193	21.25	ug/L		98
71)	1,2,3-trimethylbenzene	8.31	105	2259847	21.05	ug/L		97
72)	n-butylbenzene	8.53	92	1237262	22.67	ug/L	#	83
73)	p-diethylbenzene	8.52	119	1393214	21.50	ug/L		96
74)	1,2-dichlorobenzene	8.42	146	1252048	20.81	ug/L		97
75)	1,2,4,5-tetramethylbenzene	9.26	119	2606494	21.49	ug/L		95
76)	1,2-dibromo-3-chloropropan	8.78	157	94691	18.49	ug/L		96
77)	1,2,4-trichlorobenzene	9.84	180	645511	21.55	ug/L		98
78)	hexachlorobutadiene	10.10	225	345495	21.14	ug/L		99
79)	naphthalene	10.03	128	1326006	21.96	ug/L		98
80)	1,2,3-trichlorobenzene	10.19	180	549651	21.58	ug/L		89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120926.D Vial: 26
Acq On : 12 Jan 2009 7:59 pm Operator:
Sample : 290082.09 1g +20MS Inst : GCMSV4
Misc : KM011209 MS passed KM Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 11:25:23 2009 Quant Results File: VS010909A.RES

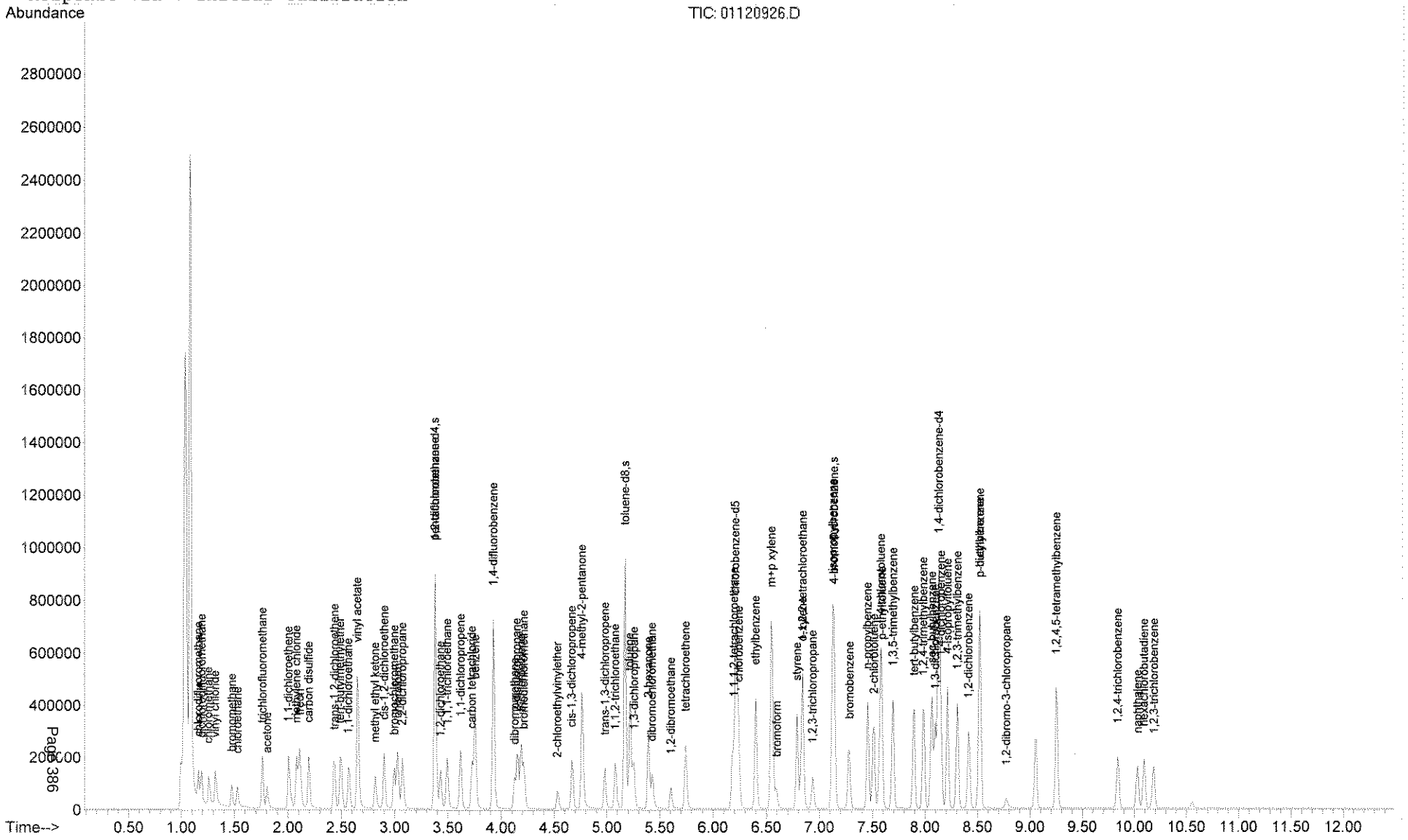
Quant Method : C:\MSDCHEM\1\METHODS\VS010909A.M (Chemstation Integrator)
Title :
Last Update : Tue Jan 13 11:21:35 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) pentafluorobenzene	3.39	168	3094146	50.00	ug/L	0.00
3) 1,4-difluorobenzene	3.93	114	4437102	50.00	ug/L	0.00
7) chlorobenzene-d5	6.22	82	2018675	50.00	ug/L	0.00
8) 1,4-dichlorobenzene-d4	8.13	152	2329846	50.00	ug/L	0.00
System Monitoring Compounds						
4) 1,2-dichloroethane-d4	3.39	102	306025	50.26	ug/L	0.00
5) toluene-d8	5.18	98	5358032	50.65	ug/L	0.00
6) 4-bromofluorobenzene	7.14	174	1554795	52.16	ug/L	0.00
Target Compounds						Qvalue
2) methylene chloride	2.09	84	772672	19.34	ug/L	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120926.D Vial: 26
Acq On : 12 Jan 2009 7:59 pm Operator:
Sample : 290082.09 1g +20MS Inst : GCMSV4
Misc : KM011209 MS passed KM Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 9:30 2009 Quant Results File: VS010909.RES

Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120927.D Vial: 27
Acq On : 12 Jan 2009 8:21 pm Operator:
Sample : 290082.09 1g +20MSD Inst : GCMSV4
Misc : KM011209 MSD passed KM Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 09:28:59 2009 Quant Results File: VS010909.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) pentafluorobenzene	3.39	168	3106144	50.00	ug/L		0.00
24) 1,4-difluorobenzene	3.93	114	4531327	50.00	ug/L		0.00
42) chlorobenzene-d5	6.22	82	2079686	50.00	ug/L		0.00
55) 1,4-dichlorobenzene-d4	8.13	152	2348019	50.00	ug/L		0.00
System Monitoring Compounds							
27) 1,2-dichloroethane-d4	3.39	102	315034	50.71	ug/L		0.00
37) toluene-d8	5.18	98	5428160	49.59	ug/L		0.00
41) 4-bromofluorobenzene	7.14	174	1555418	47.41	ug/L		0.00
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.20	85	690037	19.15	ug/L	#	96
3) chlorodifluoromethane	1.17	51	911144	19.16	ug/L		98
4) chloromethane	1.27	50	829747	20.60	ug/L		97
5) vinyl chloride	1.33	62	879303	19.96	ug/L		97
6) bromomethane	1.48	96	420313	21.46	ug/L		92
7) chloroethane	1.53	64	538067	21.29	ug/L		97
8) trichlorofluoromethane	1.77	101	1049894	20.87	ug/L		97
9) freon	2.12	151	513940	20.49	ug/L		100
10) acetone	1.81	58	237295	110.94	ug/L		95
11) 1,1-dichloroethene	2.01	96	536695	20.84	ug/L		87
12) methylene chloride	2.09	84	765214	20.70	ug/L		94
13) carbon disulfide	2.20	76	2127793	21.14	ug/L		100
14) tert-butylmethylether	2.50	73	1469611	20.21	ug/L	#	98
15) trans-1,2-dichloroethene	2.44	96	621653	21.24	ug/L		98
16) vinyl acetate	2.66	43	6115290	89.51	ug/L		100
17) 1,1-dichloroethane	2.57	63	1201753	21.59	ug/L		99
18) methyl ethyl ketone	2.82	72	305760	107.75	ug/L		97
19) 2,2-dichloropropane	3.08	77	766610	21.18	ug/L		99
20) cis-1,2-dichloroethene	2.91	96	708384	21.03	ug/L		97
21) chloroform	3.03	83	1204920	21.00	ug/L		100
22) bromochloromethane	3.00	128	332571	20.24	ug/L		85
23) 1,1,1-trichloroethane	3.50	97	945811	21.07	ug/L	#	84
25) 1,1-dichloropropene	3.62	75	831245	20.85	ug/L		99
26) carbon tetrachloride	3.73	119	824797	21.45	ug/L		98
28) 1,2-dichloroethane	3.44	62	767955	20.31	ug/L	#	91
29) benzene	3.76	78	2610850	21.47	ug/L		97
30) trichloroethene	4.19	95	622162	20.57	ug/L		99
31) 1,2-dichloropropane	4.16	63	649674	21.12	ug/L		98
32) bromodichloromethane	4.22	83	847681	20.56	ug/L		98
33) dibromomethane	4.13	93	353119	21.45	ug/L		93
34) 2-chloroethylvinylether	4.54	63	256288	18.92	ug/L	#	92
35) 4-methyl-2-pentanone	4.77	43	2854861	106.91	ug/L		96
36) cis-1,3-dichloropropene	4.67	75	846157	19.93	ug/L		96
38) toluene	5.23	91	2781556	21.32	ug/L		99
39) trans-1,3-dichloropropene	4.99	75	724201	20.39	ug/L		99
40) 1,1,2-trichloroethane	5.09	83	395301	20.06	ug/L		95
43) 2-hexanone	5.40	43	1940035	105.42	ug/L		99
44) 1,3-dichloropropane	5.26	76	923352	21.11	ug/L		96
45) tetrachloroethene	5.75	166	613807	20.24	ug/L		95
46) dibromochloromethane	5.44	129	622245	21.10	ug/L		97
47) 1,2-dibromoethane	5.61	107	510970	21.20	ug/L		97
48) chlorobenzene	6.24	112	1700648	21.04	ug/L		96
49) 1,1,1,2-tetrachloroethane	6.19	131	591626	21.38	ug/L	#	1
50) ethylbenzene	6.40	91	2867013	20.83	ug/L		99
51) m+p xylene	6.55	106	2163911	41.09	ug/l		97
52) o-xylene	6.85	106	1114768	20.66	ug/L		100
53) styrene	6.79	104	1743033	20.09	ug/L		89

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120927.D Vial: 27
Acq On : 12 Jan 2009 8:21 pm Operator:
Sample : 290082.09 1g +20MSD Inst : GCMSV4
Misc : KM011209 MSD passed KM Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 09:28:59 2009 Quant Results File: VS010909.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
54)	bromoform	6.60	173	358278	20.70	ug/L		97
56)	isopropylbenzene	7.13	105	2787757	21.52	ug/L		99
57)	1,1,2,2-tetrachloroethane	6.83	83	614083	21.34	ug/L		93
58)	1,2,3-trichloropropane	6.94	75	463677	22.06	ug/L		96
59)	n-propylbenzene	7.46	91	3094062	21.07	ug/L		99
60)	bromobenzene	7.28	156	681043	20.71	ug/L	#	86
61)	p-ethyltoluene	7.59	105	2787223	21.16	ug/L		99
62)	1,3,5-trimethylbenzene	7.70	120	1130279	21.21	ug/L		100
63)	2-chlorotoluene	7.52	126	675693	21.49	ug/L		92
64)	4-chlorotoluene	7.58	126	684130	20.94	ug/L		76
65)	tert-butylbenzene	7.90	134	513126	21.51	ug/L		91
66)	1,2,4-trimethylbenzene	7.99	105	2247244	21.09	ug/L		100
67)	sec-butylbenzene	8.07	105	2980340	21.53	ug/L		99
68)	4-isopropyltoluene	8.22	119	2488391	21.67	ug/L		97
69)	1,3-dichlorobenzene	8.10	146	1315198	20.57	ug/L		94
70)	1,4-dichlorobenzene	8.15	146	1382528	21.50	ug/L		99
71)	1,2,3-trimethylbenzene	8.31	105	2286225	21.13	ug/L		99
72)	n-butylbenzene	8.53	92	1203924	21.91	ug/L	#	80
73)	p-diethylbenzene	8.52	119	1387860	21.26	ug/L		96
74)	1,2-dichlorobenzene	8.42	146	1260418	20.79	ug/L		96
75)	1,2,4,5-tetramethylbenzene	9.25	119	2600720	21.28	ug/L		94
76)	1,2-dibromo-3-chloropropan	8.78	157	105645	20.43	ug/L		94
77)	1,2,4-trichlorobenzene	9.84	180	663052	21.95	ug/L		97
78)	hexachlorobutadiene	10.10	225	351598	21.34	ug/L		97
79)	naphthalene	10.03	128	1410482	23.13	ug/L		98
80)	1,2,3-trichlorobenzene	10.19	180	578136	22.49	ug/L		91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120927.D Vial: 27
Acq On : 12 Jan 2009 8:21 pm Operator:
Sample : 290082.09 1g +20MSD Inst : GCMSV4
Misc : KM011209 MSD passed KM Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 11:25:24 2009 Quant Results File: VS010909A.RES

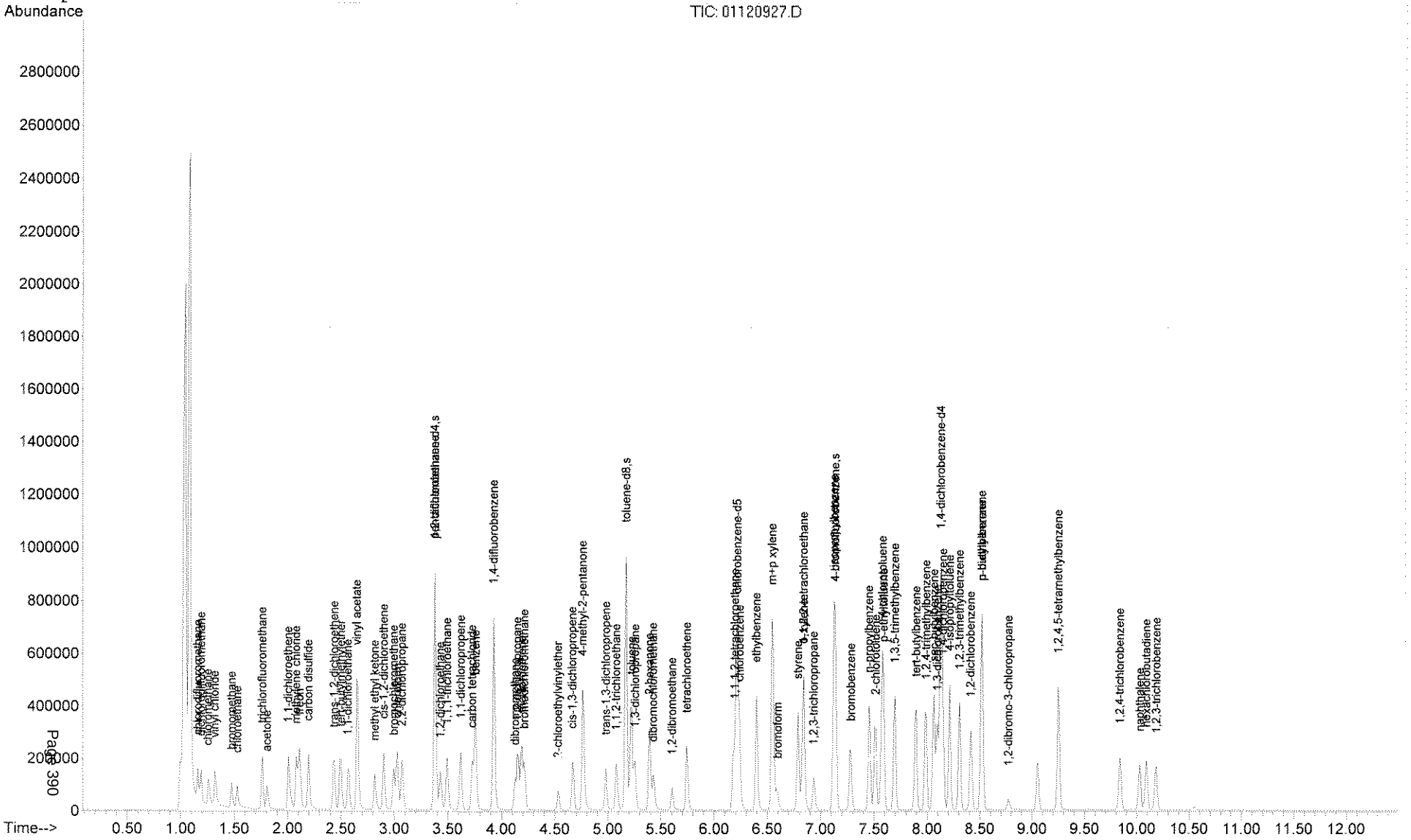
Quant Method : C:\MSDCHEM\1\METHODS\VS010909A.M (Chemstation Integrator)
Title :
Last Update : Tue Jan 13 11:21:35 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) pentafluorobenzene	3.39	168	3106144	50.00	ug/L	0.00
3) 1,4-difluorobenzene	3.93	114	4531327	50.00	ug/L	0.00
7) chlorobenzene-d5	6.22	82	2079686	50.00	ug/L	0.00
8) 1,4-dichlorobenzene-d4	8.13	152	2348019	50.00	ug/L	0.00
System Monitoring Compounds						
4) 1,2-dichloroethane-d4	3.39	102	315034	50.66	ug/L	0.00
5) toluene-d8	5.18	98	5427993	50.25	ug/L	0.00
6) 4-bromofluorobenzene	7.14	174	1555418	51.10	ug/L	0.00
Target Compounds						Qvalue
2) methylene chloride	2.09	84	765214	19.05	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120927.D Vial: 27
Acq On : 12 Jan 2009 8:21 pm Operator:
Sample : 290082.09 1g +20MSD Inst : GCMSV4
Misc : KM011209 MSD passed KM Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 9:29 2009 Quant Results File: VS010909.RES

Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration



Reference Standards

Summary Report
Quant Reports and Chomatograms

QC Check Standard Summary (VOC EPA 8260)

EcoTest Laboratories Inc.
Instrument ID: GCMSV4
Lab File ID: 01120908.D
Date of Analysis: 01/12/09.
Associated Samples: 290082.01 --> 282082.09.

Compound	Source	Target (ug/L)	Result (ug/L)	Lower control Limit (ug/L)	Upper control Limit (ug/L)	#
Dichlorodifluoromethane	(2)	10	12.0	5.9	13.4	
Chlorodifluoromethane	(3)	10	11.7	6.9	12.7	
Chloromethane	(2)	10	11.0	7.3	13.2	
Vinyl chloride	(2)	10	10.6	7.4	12.3	
Bromomethane	(2)	10	10.3	6.1	14.4	
Chloroethane	(2)	10	9.9	7.1	12.6	
Trichlorofluoromethane	(2)	10	10.8	7.3	11.6	
Freon 113	(3)	10	12.3	9.0	14.0	
1,1-Dichloroethene	(1)	10	11.6	7.8	11.6	
Acetone	(3)	100	97.2	66.3	124.7	
Methylene chloride	(1)	10	9.8	8.3	11.1	
trans-1,2-Dichloroethene	(1)	10	11.9	8.0	11.1	
tert-butyl methyl Ether	(3)	10	9.8	9.1	13.0	
1,1-Dichloroethane	(1)	10	10.8	7.7	11.7	
2,2-Dichloropropane	(1)	10	10.9	7.9	11.3	
cis-1,2-Dichloroethene	(1)	10	11.2	7.3	12.6	
Methyl ethyl ketone	(3)	100	91.6	71.2	137.5	
Chloroform	(1)	10	11.1	7.2	12.5	
Bromochloromethane	(1)	10	9.6	8.2	11.7	
1,1,1-Trichloroethane	(1)	10	10.3	7.2	11.0	
1,1-Dichloropropene	(1)	10	11.4	4.6	13.0	
Carbon tetrachloride	(1)	10	11.5	8.7	12.3	
Benzene	(1)	10	11.3	8.7	11.4	
1,2-Dichloroethane	(1)	10	10.4	8.5	11.9	
Trichloroethene	(1)	10	11.5	7.5	11.9	
1,2-Dichloropropane	(1)	10	10.4	8.4	11.9	
Bromodichloromethane	(1)	10	10.5	7.8	12.4	
Dibromomethane	(1)	10	11.3	8.1	11.2	
cis-1,3-Dichloropropene	(1)	10	10.8	7.7	10.9	
Methyl isobutyl ketone	(3)	100	91.5	80.9	116.8	
Toluene	(1)	10	11.6	7.4	12.1	
trans-1,3-Dichloropropene	(1)	10	10.0	7.6	11.3	
1,1,2-Trichloroethane	(1)	10	10.6	8.2	12.2	
Tetrachloroethene	(1)	10	11.5	6.3	12.2	
1,3-Dichloropropane	(1)	10	10.7	8.7	11.8	

#- Column to be used to flag reference result with an asterisk.
*- Result is outside of QC limits.

QC Check Standard Summary (VOC EPA 8260)

EcoTest Laboratories Inc.
Instrument ID: GCMSV4
Lab File ID: 01120908.D
Date of Analysis: 01/12/09.
Associated Samples: 290082.01 --> 282082.09.

Compound	Source	Target (ug/L)	Result (ug/L)	Upper control Limit (ug/L)	Lower Control Limit (ug/L)	#
Dibromochloromethane	(1)	10	11.0	8.5	12.4	
1,2-Dibromoethane	(1)	10	10.4	7.8	11.1	
Chlorobenzene	(1)	10	11.6	7.8	12.0	
1,1,1,2-Tetrachloroethane	(1)	10	11.0	8.0	11.6	
Ethyl Benzene	(1)	10	11.7	7.4	11.8	
M+P-Xylene	(1)	20	23.5	14.2	24.9	
O-Xylene	(1)	10	11.0	7.7	12.2	
Styrene	(1)	10	11.1	7.5	12.0	
Bromoform	(1)	10	10.2	8.0	11.8	
Isopropylbenzene	(1)	10	10.1	6.5	11.5	
1,1,2,2-Tetrachloroethane	(1)	10	10.2	7.9	12.2	
1,2,3-Trichloropropane	(1)	10	10.7	8.5	11.4	
Bromobenzene	(1)	10	11.9	6.7	13.2	
n-Propylbenzene	(1)	10	12.1	8.7	13.4	
p-Ethyltoluene	(3)	10	10.6	5.0	14.5	
2-Chlorotoluene	(1)	10	11.6	6.0	13.4	
1,3,5-Trimethylbenzene	(1)	10	11.4	5.3	12.8	
4-Chlorotoluene	(1)	10	11.7	5.1	14.1	
tert-Butylbenzene	(1)	10	11.4	6.0	12.7	
1,2,4-Trimethylbenzene	(1)	10	11.4	5.3	13.5	
sec-Butylbenzene	(1)	10	12.2	5.0	13.1	
p-Isoproyltoluene	(1)	10	11.8	4.3	12.9	
1,3-Dichlorobenzene	(1)	10	11.9	8.7	13.5	
1,4-Dichlorobenzene	(1)	10	12.2	8.6	13.7	
p-Diethylbenzene	(3)	10	10.9	7.7	14.5	
n-Butylbenzene	(1)	10	13.3	9.0	14.5	
1,2-Dichlorobenzene	(1)	10	11.6	7.8	14.6	
1,2,4,5-Tetramethylbenzene	(3)	10	10.3	5.0	15.7	
1,2-Dibromo-3-chloropropane	(1)	10	9.1	7.0	13.3	
1,2,4-Tirchlorobenzene	(1)	10	13.2	8.6	14.0	
Hexachlorobutadiene	(1)	10	13.5	3.8	16.5	
Naphthalene	(1)	10	11.0	6.3	15.2	
1,2,3-Trichlorobenzene	(1)	10	12.8	5.5	14.4	

#- Column to be used to flag reference result with an asterisk.
*- Result is outside of QC limits.

Source of Stock Standard

(1)- Austandar catalog# M-502A-R-10X.

(2)- Crescent Chamical catalog# CC2006.10.

(3)- Prepared by EcoTest from neat compound.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120908.D Vial: 8
Acq On : 12 Jan 2009 1:24 pm Operator:
Sample : reference 10ug/Kg Inst : GCMSV4
Misc : MN010608 qc passed KM Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 12 13:37:21 2009 Quant Results File: VS010909.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) pentafluorobenzene	3.39	168	3385739	50.00	ug/L		0.00
24) 1,4-difluorobenzene	3.93	114	4880024	50.00	ug/L		0.00
42) chlorobenzene-d5	6.21	82	2205239	50.00	ug/L		0.00
55) 1,4-dichlorobenzene-d4	8.13	152	2507394	50.00	ug/L		0.00
System Monitoring Compounds							
27) 1,2-dichloroethane-d4	3.39	102	349989	52.31	ug/L		0.00
37) toluene-d8	5.17	98	5813792	49.32	ug/L		0.00
41) 4-bromofluorobenzene	7.14	174	1701297	48.15	ug/L		0.00
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.20	85	472472	12.02	ug/L	#	97
3) chlorodifluoromethane	1.17	51	610658	11.72	ug/L		97
4) chloromethane	1.27	50	483617	10.99	ug/L	#	90
5) vinyl chloride	1.33	62	509104	10.55	ug/L		99
6) bromomethane	1.48	96	216534	10.26	ug/L		95
7) chloroethane	1.54	64	274433	9.93	ug/L		97
8) trichlorofluoromethane	1.77	101	591444	10.80	ug/L		98
9) freon	2.12	151	336274	12.32	ug/L		99
10) acetone	1.81	58	226362	97.17	ug/L		91
11) 1,1-dichloroethene	2.01	96	324509	11.59	ug/L		86
12) methylene chloride	2.09	84	461854	8.91	ug/L		91
13) carbon disulfide	2.20	76	1142049	10.45	ug/L		100
14) tert-butylmethylether	2.50	73	772259	9.83	ug/L	#	98
15) trans-1,2-dichloroethene	2.44	96	378043	11.88	ug/L		98
16) vinyl acetate	2.66	43	7192914	96.44	ug/L		100
17) 1,1-dichloroethane	2.57	63	655178	10.83	ug/L		96
18) methyl ethyl ketone	2.82	72	282715	91.56	ug/L		97
19) 2,2-dichloropropane	3.08	77	425669	10.93	ug/L		100
20) cis-1,2-dichloroethene	2.91	96	410627	11.22	ug/L		95
21) chloroform	3.03	83	694655	11.13	ug/L		99
22) bromochloromethane	3.00	128	171492	9.59	ug/L	#	75
23) 1,1,1-trichloroethane	3.50	97	501323	10.29	ug/L	#	89
25) 1,1-dichloropropene	3.62	75	484905	11.37	ug/L		98
26) carbon tetrachloride	3.73	119	469947	11.45	ug/L		98
28) 1,2-dichloroethane	3.43	62	423505	10.44	ug/L	#	76
29) benzene	3.76	78	1463759	11.26	ug/L		99
30) trichloroethene	4.19	95	373281	11.52	ug/L		98
31) 1,2-dichloropropane	4.16	63	343713	10.43	ug/L		99
32) bromodichloromethane	4.22	83	463875	10.52	ug/L		95
33) dibromomethane	4.13	93	198170	11.25	ug/L		89
34) 2-chloroethylvinylether	4.53	63	104042m	7.19	ug/L		
35) 4-methyl-2-pentanone	4.77	43	2619979	91.53	ug/L		96
36) cis-1,3-dichloropropene	4.67	75	489630	10.83	ug/L	#	96
38) toluene	5.22	91	1615045	11.60	ug/L		99
39) trans-1,3-dichloropropene	4.98	75	373573	9.95	ug/L		98
40) 1,1,2-trichloroethane	5.08	83	223641	10.59	ug/L		94
43) 2-hexanone	5.39	43	1798214	92.20	ug/L		99
44) 1,3-dichloropropane	5.26	76	500784	10.74	ug/L		99
45) tetrachloroethene	5.75	166	370831	11.49	ug/L		98
46) dibromochloromethane	5.43	129	344143	10.99	ug/L		98
47) 1,2-dibromoethane	5.61	107	267025	10.41	ug/L	#	93
48) chlorobenzene	6.24	112	998911	11.62	ug/L		94
49) 1,1,1,2-tetrachloroethane	6.18	131	323818	11.03	ug/L	#	1
50) ethylbenzene	6.40	91	1707643	11.70	ug/L		97
51) m+p xylene	6.55	106	1306034	23.47	ug/l		94
52) o-xylene	6.85	106	630258	11.01	ug/L		96
53) styrene	6.79	104	1018599	11.09	ug/L		91

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120908.D Vial: 8
Acq On : 12 Jan 2009 1:24 pm Operator:
Sample : reference 10ug/Kg Inst : GCMSV4
Misc : MN010608 qc passed KM Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 12 13:37:21 2009 Quant Results File: VS010909.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
54)	bromoform	6.60	173	187327	10.23	ug/L	92
56)	isopropylbenzene	7.13	105	1378360	10.05	ug/L	100
57)	1,1,2,2-tetrachloroethane	6.83	83	311555	10.18	ug/L	90
58)	1,2,3-trichloropropane	6.94	75	239785	10.70	ug/L	97
59)	n-propylbenzene	7.46	91	1877084	12.06	ug/L	99
60)	bromobenzene	7.28	156	417243	11.93	ug/L	91
61)	p-ethyltoluene	7.59	105	1474370	10.61	ug/L	99
62)	1,3,5-trimethylbenzene	7.70	120	643456	11.39	ug/L	98
63)	2-chlorotoluene	7.52	126	388696	11.62	ug/L	91
64)	4-chlorotoluene	7.58	126	406714	11.74	ug/L	78
65)	tert-butylbenzene	7.90	134	288893	11.42	ug/L	90
66)	1,2,4-trimethylbenzene	7.99	105	1286295	11.42	ug/L	98
67)	sec-butylbenzene	8.07	105	1793641	12.24	ug/L	98
68)	4-isopropyltoluene	8.22	119	1435621	11.83	ug/L	99
69)	1,3-dichlorobenzene	8.10	146	806099	11.86	ug/L	96
70)	1,4-dichlorobenzene	8.15	146	833431	12.22	ug/L	97
71)	1,2,3-trimethylbenzene	8.31	105	1205748	10.52	ug/L	96
72)	n-butylbenzene	8.53	92	769313	13.28	ug/L	86
73)	p-diethylbenzene	8.52	119	747103	10.87	ug/L	94
74)	1,2-dichlorobenzene	8.42	146	747729	11.60	ug/L	98
75)	1,2,4,5-tetramethylbenzene	9.26	119	1321374	10.27	ug/L	97
76)	1,2-dibromo-3-chloropropan	8.78	157	49849	9.12	ug/L	95
77)	1,2,4-trichlorobenzene	9.85	180	420733	13.21	ug/L	99
78)	hexachlorobutadiene	10.10	225	235691	13.49	ug/L	100
79)	naphthalene	10.03	128	699796	10.97	ug/L	98
80)	1,2,3-trichlorobenzene	10.19	180	346594	12.79	ug/L	87

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120908.D Vial: 8
Acq On : 12 Jan 2009 1:24 pm Operator:
Sample : reference 10ug/Kg Inst : GCMSV4
Misc : MN010608 qc passed KM Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 11:25:05 2009 Quant Results File: VS010909A.RES

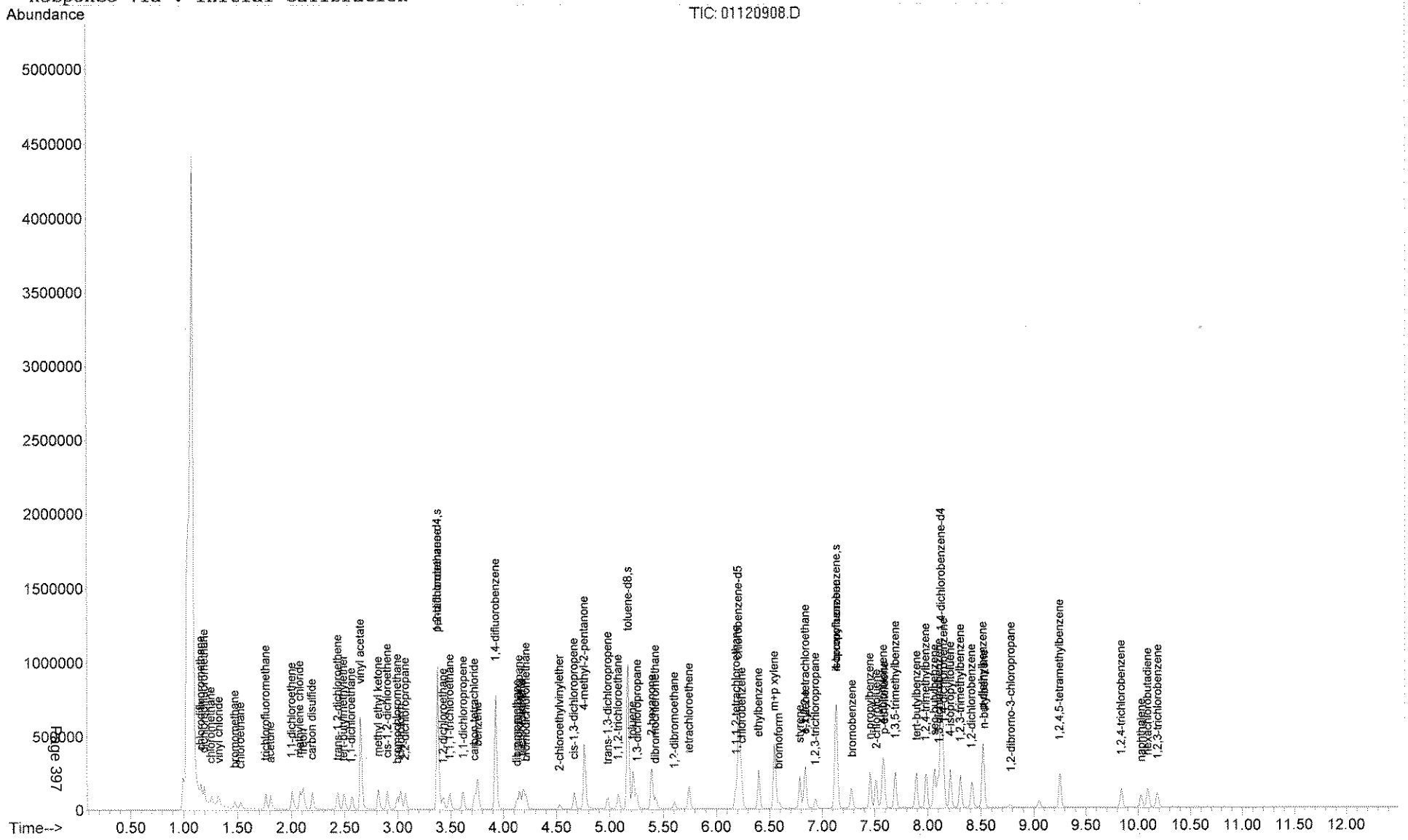
Quant Method : C:\MSDCHEM\1\METHODS\VS010909A.M (Chemstation Integrator)
Title :
Last Update : Tue Jan 13 11:21:35 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) pentafluorobenzene	3.39	168	3385739	50.00	ug/L	0.00
3) 1,4-difluorobenzene	3.93	114	4880024	50.00	ug/L	0.00
7) chlorobenzene-d5	6.21	82	2205239	50.00	ug/L	0.00
8) 1,4-dichlorobenzene-d4	8.13	152	2507394	50.00	ug/L	0.00
System Monitoring Compounds						
4) 1,2-dichloroethane-d4	3.39	102	345188	51.55	ug/L	0.00
5) toluene-d8	5.17	98	5816067	49.99	ug/L	0.00
6) 4-bromofluorobenzene	7.14	174	1701297	51.90	ug/L	0.00
Target Compounds						Qvalue
2) methylene chloride	2.09	84	461854	9.82	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120908.D Vial: 8
Acq On : 12 Jan 2009 1:24 pm Operator:
Sample : reference 10ug/Kg Inst : GCMSV4
Misc : MN010608 qc passed KM Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 12 13:38 2009 Quant Results File: VS010909.RES

Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration



Initial Calibration

Summary Report
Quant Reports and Chomatograms

Response Factor Report GCMSV4

Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration

Calibration Files
5 =01090905.D 10 =01090906.D 20 =01090907.D
50 =01090908.D 100 =01090909.D 200 =01090910.D

		Compound	5	10	20	50	100	200	Avg	%RSD
1)		pentafluorobenzene	ISTD							
2)		dichlorodifluor	0.660	0.687	0.631	0.580	0.524	0.574	0.609	9.97
3)		chlorodifluorom	0.911	0.813	0.790	0.744	0.692	0.669	0.770	11.49
4)		chloromethane	0.781	0.749	0.685	0.644	0.589	0.627	0.679	10.91
5)		vinyl chloride	0.843	0.805	0.712	0.695	0.649	0.647	0.725	11.25
6)		bromomethane	0.324	0.324	0.313	0.333	0.331	0.374	0.333	6.40
7)		chloroethane	0.479	0.466	0.434	0.394	0.377	0.392	0.424	10.00
8)		trichlorofluoro	0.931	0.901	0.837	0.814	0.782	0.845	0.852	6.50
9)		freon	0.433	0.446	0.419	0.415	0.389	0.427	0.421	4.62
10)		acetone	0.043	0.031	0.035	0.035	0.034	0.036	0.036	11.26
11)		1,1-dichloroeth	0.444	0.453	0.431	0.418	0.407	0.439	0.432	3.93
12)		methylene chlor	1.030	0.709	0.586	0.543	0.513	0.539	0.653	30.19
13)		carbon disulfid	1.769	1.722	1.675	1.646	1.599	1.732	1.691	3.69
14)		tert-butylmethy	1.206	1.121	1.192	1.217	1.235	1.359	1.222	6.36
15)		trans-1,2-dichl	0.524	0.507	0.478	0.479	0.464	0.500	0.492	4.54
16)		vinyl acetate	1.034	1.042	1.095	1.152	1.211	1.327	1.144	9.80
17)		1,1-dichloroeth	0.998	0.938	0.916	0.912	0.886	0.954	0.934	4.16
18)		methyl ethyl ke	0.049	0.049	0.046	0.046	0.047	0.050	0.048	3.77
19)		2,2-dichloropro	0.536	0.569	0.582	0.609	0.643	0.717	0.609	10.53
20)		cis-1,2-dichlor	0.563	0.558	0.552	0.551	0.547	0.582	0.559	2.26
21)		chloroform	1.041	1.001	0.965	0.929	0.902	0.976	0.969	5.15
22)		bromochlorometh	0.283	0.276	0.281	0.261	0.261	0.272	0.272	3.55
23)		1,1,1-trichloro	0.760	0.733	0.725	0.738	0.735	0.782	0.745	2.87
24)		1,4-difluorobenzene	ISTD							
25)		1,1-dichloropro	0.447	0.462	0.452	0.461	0.445	0.499	0.461	4.33
26)		carbon tetrachl	0.426	0.430	0.433	0.443	0.441	0.492	0.444	5.46
27)	s	1,2-dichloroeth	0.068	0.067	0.069	0.072	0.068	0.067	0.069	2.89
28)		1,2-dichloroeth	0.468	0.435	0.459	0.436	0.397	0.455	0.442	5.79
29)		benzene	1.403	1.408	1.393	1.392	1.357	1.523	1.413	4.03
30)		trichloroethene	0.346	0.350	0.354	0.343	0.335	0.373	0.350	3.71
31)		1,2-dichloropro	0.345	0.351	0.340	0.353	0.343	0.373	0.351	3.42
32)		bromodichlorome	0.458	0.460	0.460	0.469	0.472	0.514	0.472	4.50
33)		dibromomethane	0.189	0.186	0.187	0.187	0.185	0.202	0.189	3.45
34)		2-chloroethylvi	0.140	0.128	0.148	0.156	0.161	0.168	0.150	9.83
35)		4-methyl-2-pent	0.274	0.277	0.305	0.318	0.321	0.376	0.312	11.88
36)		cis-1,3-dichlor	0.442	0.451	0.459	0.507	0.505	0.572	0.489	9.98
37)	s	toluene-d8	1.193	1.193	1.208	1.223	1.202	1.229	1.208	1.27
38)		toluene	1.548	1.515	1.494	1.512	1.462	1.682	1.535	5.02
39)		trans-1,3-dichl	0.337	0.372	0.388	0.428	0.442		0.393	10.83
40)		1,1,2-trichloro	0.224	0.228	0.214	0.228	0.221	0.242	0.226	4.11
41)	s	4-bromofluorobe	0.337	0.338	0.354	0.374	0.374	0.395	0.362	6.38
42)		chlorobenzene-d5	ISTD							
43)		2-hexanone	0.424	0.420	0.450	0.454	0.445	0.458	0.442	3.59
44)		1,3-dichloropro	1.158	1.085	1.088	1.044	0.978	0.968	1.054	6.85
45)		tetrachloroethe	0.726	0.742	0.730	0.737	0.679	0.694	0.718	3.55
46)		dibromochlorome	0.693	0.692	0.701	0.725	0.693	0.689	0.699	1.92
47)		1,2-dibromoetha	0.598	0.578	0.584	0.575	0.558	0.540	0.572	3.57
48)		chlorobenzene	2.003	2.028	1.951	1.976	1.830	1.838	1.937	4.35
49)		1,1,1,2-tetrach	0.667	0.643	0.679	0.670	0.655	0.657	0.662	1.93
50)		ethylbenzene	3.221	3.328	3.337	3.432	3.220	3.341	3.313	2.44
51)		m+p xylene	1.254	1.293	1.280	1.316	1.267	1.360	1.295	2.97
52)		o-xylene	1.242	1.283	1.319	1.321	1.270	1.283	1.286	2.32
53)		styrene	1.861	1.956	2.082	2.181	2.102	2.155	2.056	6.00
54)		bromoform	0.381	0.390	0.399	0.428	0.432	0.433	0.411	5.65
55)		1,4-dichlorobenzene-d	ISTD							
56)		isopropylbenzen	2.870	2.819	2.811	2.835	2.858	3.142	2.889	4.37

(#) = Out of Range

Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration

Calibration Files
5 =01090905.D 10 =01090906.D 20 =01090907.D
50 =01090908.D 100 =01090909.D 200 =01090910.D

	Compound	5	10	20	50	100	200	Avg	%RSD
57)	1,1,2,2-tetrach	0.632	0.627	0.650	0.613	0.618	0.660	0.633	2.89
58)	1,2,3-trichloro	0.485	0.482	0.465	0.440	0.443	0.461	0.462	4.08
59)	n-propylbenzene	3.068	3.175	3.188	3.243	3.265	3.605	3.257	5.63
60)	bromobenzene	0.705	0.743	0.699	0.711	0.715	0.761	0.722	3.36
61)	p-ethyltoluene	2.823	2.898	2.899	2.919	2.979	3.406	2.987	7.06
62)	1,3,5-trimethyl	1.069	1.132	1.136	1.194	1.181	1.295	1.168	6.54
63)	2-chlorotoluene	0.695	0.707	0.685	0.679	0.672	0.721	0.693	2.65
64)	4-chlorotoluene	0.698	0.694	0.725	0.716	0.718	0.788	0.723	4.70
65)	tert-butylbenze	0.508	0.506	0.514	0.527	0.528	0.576	0.526	4.91
66)	1,2,4-trimethyl	2.157	2.208	2.302	2.405	2.397	2.685	2.359	7.96
67)	sec-butylbenzen	2.825	2.833	3.024	3.097	3.102	3.442	3.054	7.42
68)	4-isopropyltolu	2.403	2.389	2.481	2.606	2.557	2.894	2.555	7.29
69)	1,3-dichloroben	1.305	1.379	1.446	1.402	1.382	1.514	1.405	5.02
70)	1,4-dichloroben	1.330	1.467	1.420	1.421	1.387	1.548	1.429	5.18
71)	1,2,3-trimethyl	2.197	2.292	2.299	2.431	2.395	2.628	2.374	6.30
72)	n-butylbenzene	1.150	1.202	1.190	1.272	1.247	1.493	1.259	9.72
73)	p-diethylbenzen	1.323	1.415	1.401	1.501	1.494	1.750	1.481	9.96
74)	1,2-dichloroben	1.281	1.331	1.336	1.340	1.292	1.412	1.332	3.47
75)	1,2,4,5-tetrame	2.447	2.722	2.564	2.870	2.730	3.225	2.760	9.82
76)	1,2-dibromo-3-c	0.112	0.098	0.113	0.113	0.119	0.128	0.114	8.43
77)	1,2,4-trichloro	0.690	0.709	0.639	0.694	0.677	0.815	0.704	8.45
78)	hexachlorobutad	0.362	0.367	0.351	0.383	0.351	0.408	0.370	5.95
79)	naphthalene	1.222	1.437	1.235	1.441	1.390	1.687	1.402	12.12
80)	1,2,3-trichloro	0.573	0.599	0.532	0.597	0.573	0.685	0.593	8.62

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\010909\01090905.D Vial: 5
Acq On : 9 Jan 2009 6:12 pm Operator:
Sample : soil stnd 5ug/Kg Inst : GCMSV4
Misc : KM010909 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 12 10:12:23 2009 Quant Results File: VS010909.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) pentafluorobenzene	3.39	168	3268057	50.00 ug/L	0.00
24) 1,4-difluorobenzene	3.93	114	4743243	50.00 ug/L	0.00
42) chlorobenzene-d5	6.22	82	2150279	50.00 ug/L	0.00
55) 1,4-dichlorobenzene-d4	8.14	152	2334078	50.00 ug/L	0.00
System Monitoring Compounds					
27) 1,2-dichloroethane-d4	3.39	102	324819	49.95 ug/L	0.00
37) toluene-d8	5.18	98	5657752	49.38 ug/L	0.00
41) 4-bromofluorobenzene	7.14	174	1599246	46.56 ug/L	0.00
Target Compounds					Qvalue
2) dichlorodifluoromethane	1.20	85	215802	5.68 ug/L #	98
3) chlorodifluoromethane	1.17	51	267824	5.30 ug/L #	90
4) chloromethane	1.27	50	249387	5.86 ug/L #	88
5) vinyl chloride	1.33	62	275510	5.90 ug/L	98
6) bromomethane	1.48	96	105768	5.22 ug/L	96
7) chloroethane	1.54	64	156407	5.86 ug/L	98
8) trichlorofluoromethane	1.77	101	304329	5.76 ug/L	98
9) freon	2.12	151	141374	5.38 ug/L	97
10) acetone	1.81	58	70933	31.66 ug/L	97
11) 1,1-dichloroethene	2.01	96	144977	5.37 ug/L	90
12) methylene chloride	2.09	84	336569	5.28 ug/L	96
13) carbon disulfide	2.20	76	578198	5.49 ug/L	99
14) tert-butylmethylether	2.50	73	394012	5.22 ug/L #	95
15) trans-1,2-dichloroethene	2.44	96	171402	5.59 ug/L	99
16) vinyl acetate	2.66	43	1690066	23.87 ug/L	99
17) 1,1-dichloroethane	2.58	63	325997	5.59 ug/L	97
18) methyl ethyl ketone	2.83	72	79590	26.88 ug/L #	85
19) 2,2-dichloropropane	3.08	77	175044	4.70 ug/L	99
20) cis-1,2-dichloroethene	2.91	96	184123	5.23 ug/L	94
21) chloroform	3.03	83	340204	5.66 ug/L	95
22) bromochloromethane	3.00	128	92488	5.36 ug/L	89
23) 1,1,1-trichloroethane	3.50	97	248491	5.30 ug/L #	86
25) 1,1-dichloropropene	3.62	75	212021	5.14 ug/L	90
26) carbon tetrachloride	3.73	119	201873	5.09 ug/L #	95
28) 1,2-dichloroethane	3.43	62	218528m	5.55 ug/L	
29) benzene	3.76	78	665295	5.29 ug/L	97
30) trichloroethene	4.19	95	164306	5.24 ug/L	97
31) 1,2-dichloropropane	4.16	63	163325	5.12 ug/L #	97
32) bromodichloromethane	4.22	83	217267	5.09 ug/L #	98
33) dibromomethane	4.13	93	89798	5.26 ug/L	95
34) 2-chloroethylvinylether	4.54	63	66517	4.74 ug/L #	86
35) 4-methyl-2-pentanone	4.77	43	650365	23.87 ug/L	94
36) cis-1,3-dichloropropene	4.68	75	209643	4.81 ug/L	97
38) toluene	5.23	91	734059	5.45 ug/L	98
39) trans-1,3-dichloropropene	4.99	75	159894	4.42 ug/L	99
40) 1,1,2-trichloroethane	5.09	83	106440	5.20 ug/L	99
43) 2-hexanone	5.40	43	456144	24.05 ug/L	94
44) 1,3-dichloropropane	5.26	76	248955	5.46 ug/L	99
45) tetrachloroethene	5.75	166	156142	4.95 ug/L	97
46) dibromochloromethane	5.43	129	149194	4.88 ug/L	96
47) 1,2-dibromoethane	5.61	107	128529	5.13 ug/L #	97
48) chlorobenzene	6.24	112	430666	5.13 ug/L	92
49) 1,1,1,2-tetrachloroethane	6.19	131	143401	5.01 ug/L #	1
50) ethylbenzene	6.40	91	692630	4.87 ug/L	98
51) m+p xylene	6.55	106	539341	9.96 ug/l	93
52) o-xylene	6.85	106	267046	4.78 ug/L	96
53) styrene	6.79	104	400173	4.47 ug/L	93

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\010909\01090905.D Vial: 5
Acq On : 9 Jan 2009 6:12 pm Operator:
Sample : soil stnd 5ug/Kg Inst : GCMSV4
Misc : KM010909 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 12 10:12:23 2009 Quant Results File: VS010909.RES

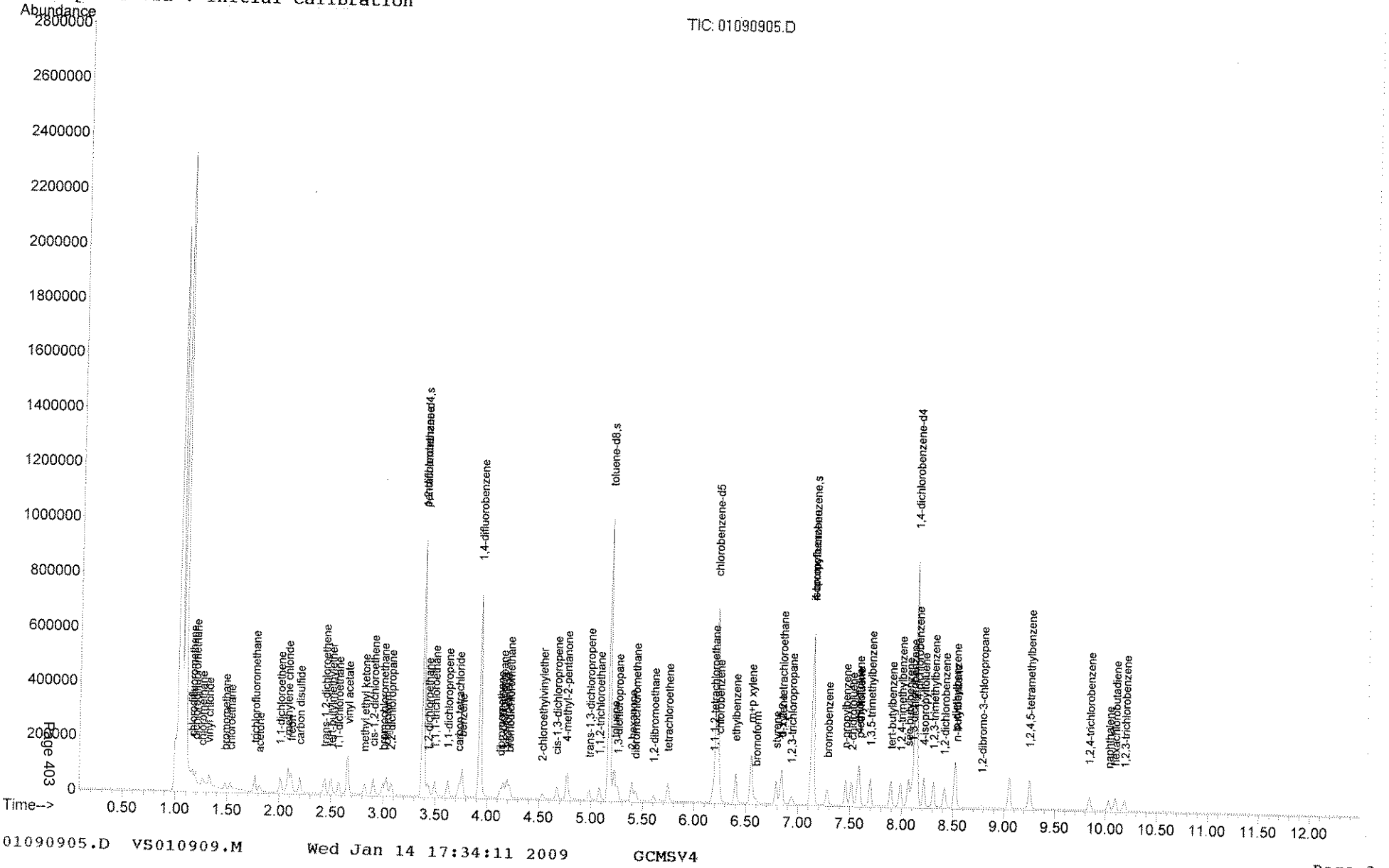
Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
54) bromoform	6.60	173	81888	4.59 ug/L	98
56) isopropylbenzene	7.13	105	669774	5.27 ug/L	98
57) 1,1,2,2-tetrachloroethane	6.83	83	147517	5.19 ug/L	93
58) 1,2,3-trichloropropane	6.94	75	113157	5.43 ug/L	99
59) n-propylbenzene	7.46	91	716132	4.97 ug/L	96
60) bromobenzene	7.28	156	164625	5.07 ug/L #	85
61) p-ethyltoluene	7.59	105	658923	5.13 ug/L	99
62) 1,3,5-trimethylbenzene	7.70	120	249411	4.77 ug/L	98
63) 2-chlorotoluene	7.52	126	162191	5.22 ug/L	94
64) 4-chlorotoluene	7.58	126	162992	5.08 ug/L	79
65) tert-butylbenzene	7.90	134	118598	5.06 ug/L	96
66) 1,2,4-trimethylbenzene	7.99	105	503553	4.83 ug/L	96
67) sec-butylbenzene	8.07	105	659300	4.86 ug/L	99
68) 4-isopropyltoluene	8.22	119	560968	5.00 ug/L	97
69) 1,3-dichlorobenzene	8.10	146	304658	4.84 ug/L	93
70) 1,4-dichlorobenzene	8.15	146	339282m	5.37 ug/L	
71) 1,2,3-trimethylbenzene	8.31	105	512718	4.83 ug/L	99
72) n-butylbenzene	8.53	92	268331	5.04 ug/L #	78
73) p-diethylbenzene	8.52	119	308927	4.87 ug/L	90
74) 1,2-dichlorobenzene	8.42	146	298939	5.00 ug/L	96
75) 1,2,4,5-tetramethylbenzene	9.26	119	571243	4.80 ug/L	92
76) 1,2-dibromo-3-chloropropan	8.78	157	26200	5.17 ug/L	95
77) 1,2,4-trichlorobenzene	9.85	180	161126	5.50 ug/L	96
78) hexachlorobutadiene	10.10	225	84239	5.22 ug/L	92
79) naphthalene	10.03	128	285115	4.85 ug/L	96
80) 1,2,3-trichlorobenzene	10.19	180	133691	5.36 ug/L	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : C:\MSDCHEM\1\DATA\0109\010909\01090905.D Vial: 5
Acq On : 9 Jan 2009 6:12 pm Operator:
Sample : soil stnd 5ug/Kg Inst : GCMSV4
Misc : KM010909 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 12 10:18 2009 Quant Results File: VS010909.RES

Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration



01090905.D VS010909.M Wed Jan 14 17:34:11 2009 GCMSV4

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\010909\01090906.D Vial: 6
Acq On : 9 Jan 2009 6:34 pm Operator:
Sample : soil stnd 10ug/Kg Inst : GCMSV4
Misc : KM010909 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 12 10:12:25 2009 Quant Results File: VS010909.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) pentafluorobenzene	3.38	168	3224057	50.00 ug/L	0.00
24) 1,4-difluorobenzene	3.93	114	4689018	50.00 ug/L	0.00
42) chlorobenzene-d5	6.22	82	2119976	50.00 ug/L	0.00
55) 1,4-dichlorobenzene-d4	8.13	152	2354774	50.00 ug/L	0.00
System Monitoring Compounds					
27) 1,2-dichloroethane-d4	3.39	102	312165	48.56 ug/L	0.00
37) toluene-d8	5.18	98	5592008	49.37 ug/L	0.00
41) 4-bromofluorobenzene	7.14	174	1582868	46.62 ug/L	0.00
Target Compounds					Qvalue
2) dichlorodifluoromethane	1.19	85	442831	11.83 ug/L	95
3) chlorodifluoromethane	1.17	51	524111	10.55 ug/L	97
4) chloromethane	1.26	50	506279m	12.08 ug/L	
5) vinyl chloride	1.33	62	519055	11.30 ug/L	100
6) bromomethane	1.48	96	208755	10.39 ug/L	97
7) chloroethane	1.53	64	300726	11.43 ug/L	98
8) trichlorofluoromethane	1.76	101	580660	11.14 ug/L	97
9) freon	2.12	151	287814	11.08 ug/L	96
10) acetone	1.82	58	101010	45.67 ug/L	69
11) 1,1-dichloroethene	2.01	96	291999	10.95 ug/L	84
12) methylene chloride	2.08	84	457371	9.50 ug/L	95
13) carbon disulfide	2.20	76	1110339	10.67 ug/L	99
14) tert-butylmethylether	2.50	73	723051	9.67 ug/L #	98
15) trans-1,2-dichloroethene	2.44	96	326989	10.79 ug/L	99
16) vinyl acetate	2.66	43	3360336	47.85 ug/L	100
17) 1,1-dichloroethane	2.57	63	604590	10.50 ug/L	96
18) methyl ethyl ketone	2.83	72	157573	53.80 ug/L	77
19) 2,2-dichloropropane	3.08	77	359412	9.71 ug/L	98
20) cis-1,2-dichloroethene	2.91	96	359516	10.32 ug/L	97
21) chloroform	3.03	83	645736	10.87 ug/L	100
22) bromochloromethane	3.00	128	177798	10.44 ug/L #	80
23) 1,1,1-trichloroethane	3.50	97	472329	10.19 ug/L #	88
25) 1,1-dichloropropene	3.62	75	433465	10.58 ug/L	97
26) carbon tetrachloride	3.73	119	403257	10.24 ug/L	96
28) 1,2-dichloroethane	3.43	62	427661m	10.97 ug/L	
29) benzene	3.76	78	1320120	10.57 ug/L	100
30) trichloroethene	4.19	95	327783	10.54 ug/L	96
31) 1,2-dichloropropane	4.16	63	328920	10.39 ug/L	99
32) bromodichloromethane	4.22	83	431083	10.18 ug/L	99
33) dibromomethane	4.13	93	174564	10.32 ug/L	95
34) 2-chloroethylvinylether	4.54	63	119666	8.60 ug/L #	84
35) 4-methyl-2-pentanone	4.77	43	1300748	47.93 ug/L	96
36) cis-1,3-dichloropropene	4.67	75	423141	9.75 ug/L	97
38) toluene	5.22	91	1420556	10.62 ug/L	100
39) trans-1,3-dichloropropene	4.98	75	347927	9.64 ug/L	99
40) 1,1,2-trichloroethane	5.08	83	214232	10.56 ug/L	96
43) 2-hexanone	5.40	43	891121	47.61 ug/L	97
44) 1,3-dichloropropane	5.26	76	459988	10.26 ug/L	99
45) tetrachloroethene	5.75	166	314566	10.14 ug/L	95
46) dibromochloromethane	5.44	129	294227	9.77 ug/L	92
47) 1,2-dibromoethane	5.61	107	244988	9.93 ug/L #	94
48) chlorobenzene	6.24	112	859652	10.40 ug/L	94
49) 1,1,1,2-tetrachloroethane	6.19	131	272811	9.66 ug/L #	1
50) ethylbenzene	6.40	91	1411267	10.06 ug/L	100
51) m+p xylene	6.55	106	1096484	20.51 ug/l	92
52) o-xylene	6.85	106	543854	9.88 ug/L	95
53) styrene	6.79	104	829163	9.39 ug/L	92

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\010909\01090906.D Vial: 6
Acq On : 9 Jan 2009 6:34 pm Operator:
Sample : soil stnd 10ug/Kg Inst : GCMSV4
Misc : KM010909 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 12 10:12:25 2009 Quant Results File: VS010909.RES

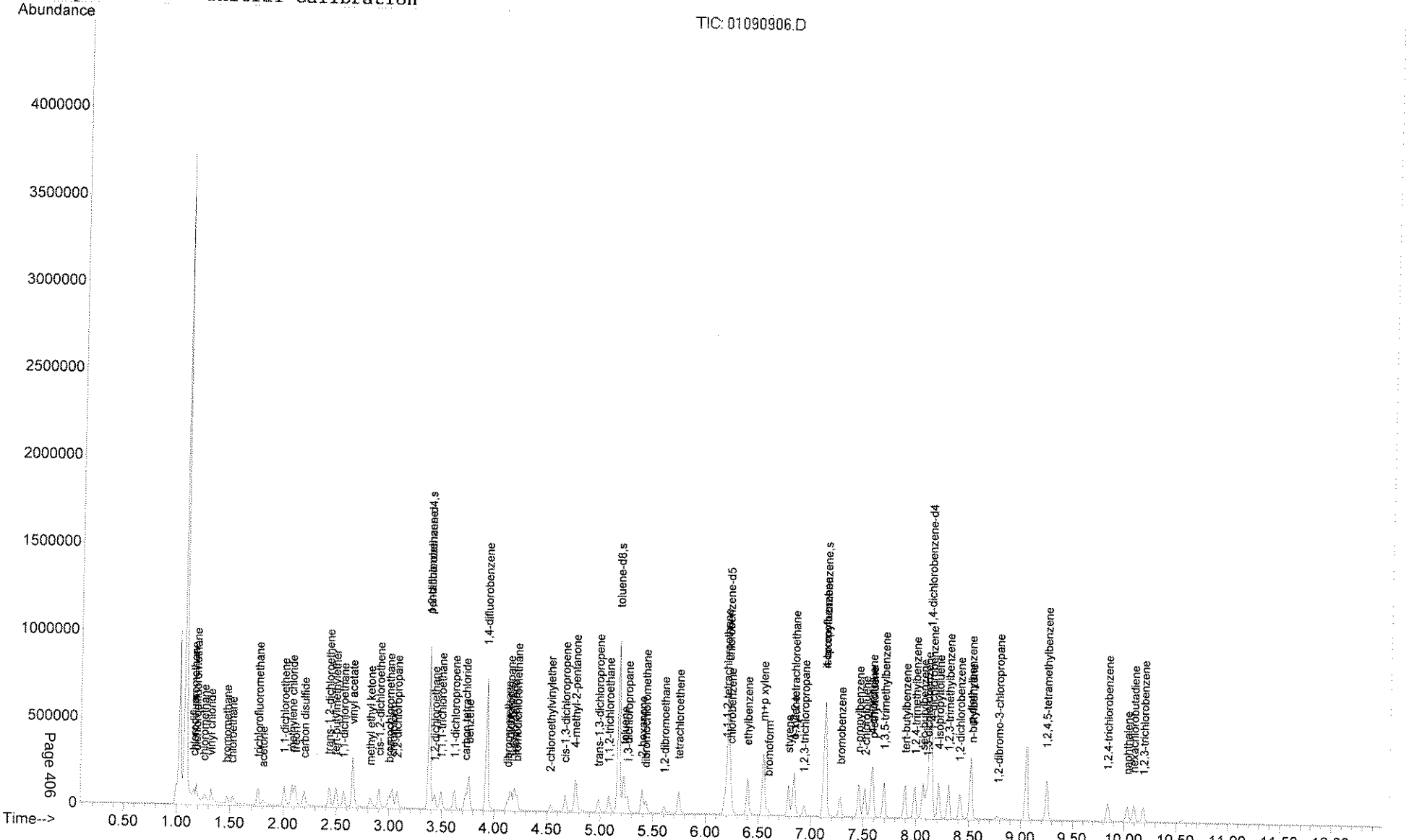
Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
54) bromoform	6.60	173	165401	9.40 ug/L	91
56) isopropylbenzene	7.13	105	1327400	10.30 ug/L	99
57) 1,1,2,2-tetrachloroethane	6.83	83	295188	10.27 ug/L	93
58) 1,2,3-trichloropropane	6.94	75	226856	10.78 ug/L	98
59) n-propylbenzene	7.46	91	1495127	10.24 ug/L	98
60) bromobenzene	7.29	156	350018	10.67 ug/L	88
61) p-ethyltoluene	7.59	105	1364748	10.46 ug/L	99
62) 1,3,5-trimethylbenzene	7.70	120	533012	10.06 ug/L	99
63) 2-chlorotoluene	7.52	126	333141	10.61 ug/L	97
64) 4-chlorotoluene	7.58	126	326821	10.05 ug/L	81
65) tert-butylbenzene	7.90	134	238204	10.04 ug/L	92
66) 1,2,4-trimethylbenzene	7.99	105	1039761	9.84 ug/L	100
67) sec-butylbenzene	8.07	105	1334083	9.71 ug/L	98
68) 4-isopropyltoluene	8.22	119	1124935	9.89 ug/L	97
69) 1,3-dichlorobenzene	8.10	146	649312	10.19 ug/L	97
70) 1,4-dichlorobenzene	8.15	146	690876	10.79 ug/L	96
71) 1,2,3-trimethylbenzene	8.31	105	1079629	10.03 ug/L	100
72) n-butylbenzene	8.53	92	566033	10.45 ug/L #	78
73) p-diethylbenzene	8.52	119	666338	10.34 ug/L	93
74) 1,2-dichlorobenzene	8.42	146	626692	10.36 ug/L	100
75) 1,2,4,5-tetramethylbenzene	9.26	119	1282172	10.61 ug/L	98
76) 1,2-dibromo-3-chloropropan	8.78	157	46350	9.03 ug/L	86
77) 1,2,4-trichlorobenzene	9.84	180	333792	11.19 ug/L	97
78) hexachlorobutadiene	10.10	225	172212	10.52 ug/L	97
79) naphthalene	10.03	128	676728	11.29 ug/L	98
80) 1,2,3-trichlorobenzene	10.19	180	281993	11.11 ug/L	90

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\010909\01090906.D Vial: 6
Acq On : 9 Jan 2009 6:34 pm Operator:
Sample : soil stnd 10ug/Kg Inst : GCMSV4
Misc : KM010909 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 12 10:19 2009 Quant Results File: VS010909.RES

Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration



01090906.D VS010909.M Wed Jan 14 17:34:13 2009 GCMSV4

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\010909\01090907.D Vial: 7
Acq On : 9 Jan 2009 6:56 pm Operator:
Sample : soil stnd 20ug/Kg Inst : GCMSV4
Misc : KM010909 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 12 10:12:27 2009 Quant Results File: VS010909.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) pentafluorobenzene	3.39	168	3417986	50.00	ug/L	0.00
24) 1,4-difluorobenzene	3.94	114	4901228	50.00	ug/L	0.00
42) chlorobenzene-d5	6.22	82	2237193	50.00	ug/L	0.00
55) 1,4-dichlorobenzene-d4	8.13	152	2553073	50.00	ug/L	0.00
System Monitoring Compounds						
27) 1,2-dichloroethane-d4	3.39	102	340015	50.60	ug/L	0.00
37) toluene-d8	5.18	98	5919136	49.99	ug/L	0.00
41) 4-bromofluorobenzene	7.14	174	1734809	48.88	ug/L	0.00
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.20	85	800137	20.18	ug/L	99
3) chlorodifluoromethane	1.17	51	1010477	19.31	ug/L	99
4) chloromethane	1.27	50	920635m	20.78	ug/L	
5) vinyl chloride	1.34	62	974099	20.10	ug/L	98
6) bromomethane	1.49	96	427469	19.87	ug/L	100
7) chloroethane	1.54	64	593849	21.35	ug/L	98
8) trichlorofluoromethane	1.77	101	1144471	20.67	ug/L	98
9) freon	2.12	151	573187	20.77	ug/L	99
10) acetone	1.82	58	241673	102.73	ug/L	90
11) 1,1-dichloroethene	2.02	96	588836	20.78	ug/L	89
12) methylene chloride	2.09	84	785836	18.95	ug/L	93
13) carbon disulfide	2.21	76	2290336	20.69	ug/L	98
14) tert-butylmethylether	2.51	73	1629514	20.36	ug/L	99
15) trans-1,2-dichloroethene	2.44	96	653197	20.28	ug/L	97
16) vinyl acetate	2.66	43	7481743	99.30	ug/L	100
17) 1,1-dichloroethane	2.58	63	1252875	20.46	ug/L	99
18) methyl ethyl ketone	2.83	72	311845	99.95	ug/L	95
19) 2,2-dichloropropane	3.08	77	795628	20.00	ug/L	99
20) cis-1,2-dichloroethene	2.91	96	754049	20.34	ug/L	98
21) chloroform	3.04	83	1319681	20.90	ug/L	100
22) bromochloromethane	3.01	128	383693	21.22	ug/L	91
23) 1,1,1-trichloroethane	3.50	97	990949	20.07	ug/L #	77
25) 1,1-dichloropropene	3.63	75	885384	20.53	ug/L	98
26) carbon tetrachloride	3.74	119	847316	20.40	ug/L #	97
28) 1,2-dichloroethane	3.43	62	885038m	21.63	ug/L	
29) benzene	3.76	78	2731374	20.78	ug/L	100
30) trichloroethene	4.19	95	694241	21.21	ug/L	99
31) 1,2-dichloropropane	4.16	63	666366	20.04	ug/L	98
32) bromodichloromethane	4.22	83	902037	20.23	ug/L	97
33) dibromomethane	4.13	93	366098	20.57	ug/L	97
34) 2-chloroethylvinylether	4.54	63	290648	19.82	ug/L #	93
35) 4-methyl-2-pentanone	4.77	43	2991199	103.66	ug/L	97
36) cis-1,3-dichloropropene	4.68	75	900710	19.63	ug/L	97
38) toluene	5.23	91	2928540	20.77	ug/L	99
39) trans-1,3-dichloropropene	4.99	75	760304	19.81	ug/L	100
40) 1,1,2-trichloroethane	5.09	83	419448	19.68	ug/L	97
43) 2-hexanone	5.40	43	2013006	101.70	ug/L	99
44) 1,3-dichloropropane	5.26	76	973949	20.69	ug/L	98
45) tetrachloroethene	5.75	166	652998	20.01	ug/L	98
46) dibromochloromethane	5.44	129	627650	19.78	ug/L	95
47) 1,2-dibromoethane	5.61	107	522787	20.16	ug/L	97
48) chlorobenzene	6.24	112	1745622	20.07	ug/L	95
49) 1,1,1,2-tetrachloroethane	6.19	131	607990	20.43	ug/L #	1
50) ethylbenzene	6.40	91	2986062	20.17	ug/L	99
51) m+p xylene	6.55	106	2291411	40.45	ug/l	96
52) o-xylene	6.85	106	1179956	20.33	ug/L	99
53) styrene	6.79	104	1862796	19.96	ug/L	91

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\010909\01090907.D Vial: 7
Acq On : 9 Jan 2009 6:56 pm Operator:
Sample : soil stnd 20ug/Kg Inst : GCMSV4
Misc : KM010909 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 12 10:12:27 2009 Quant Results File: VS010909.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

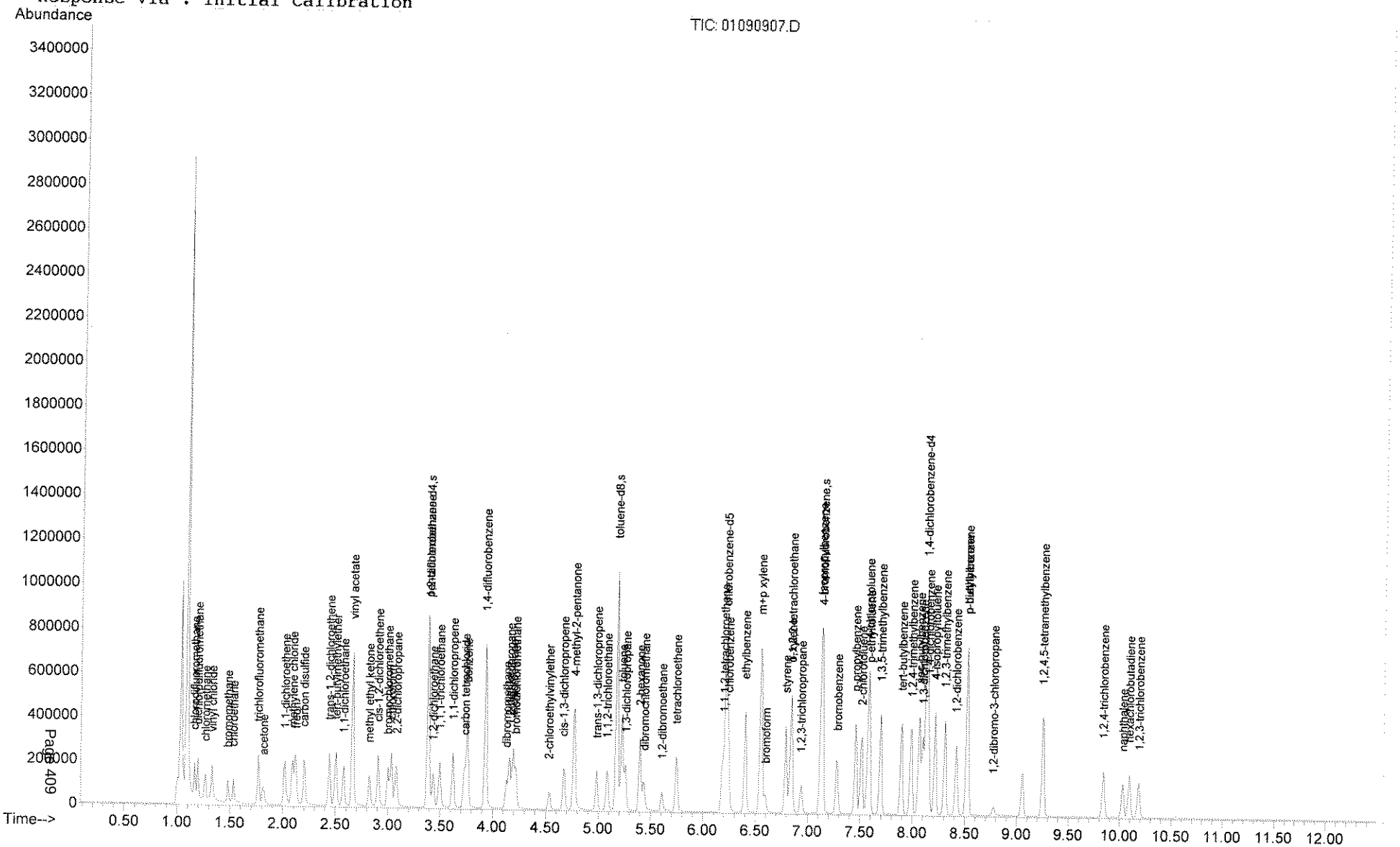
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
54) bromoform	6.60	173	357412	19.20 ug/L	95
56) isopropylbenzene	7.13	105	2870389	20.40 ug/L	100
57) 1,1,2,2-tetrachloroethane	6.83	83	664169	21.23 ug/L	97
58) 1,2,3-trichloropropane	6.94	75	474629	20.78 ug/L	99
59) n-propylbenzene	7.46	91	3255976	20.40 ug/L	98
60) bromobenzene	7.28	156	713400	19.96 ug/L #	86
61) p-ethyltoluene	7.59	105	2960639	20.68 ug/L	98
62) 1,3,5-trimethylbenzene	7.70	120	1160616	20.05 ug/L	99
63) 2-chlorotoluene	7.52	126	699453	20.47 ug/L	92
64) 4-chlorotoluene	7.58	126	740162	20.84 ug/L	83
65) tert-butylbenzene	7.90	134	525201	20.26 ug/L	93
66) 1,2,4-trimethylbenzene	7.99	105	2350375	20.31 ug/L	98
67) sec-butylbenzene	8.07	105	3088474	20.53 ug/L	99
68) 4-isopropyltoluene	8.22	119	2534100	20.33 ug/L	98
69) 1,3-dichlorobenzene	8.10	146	1477108	21.23 ug/L	99
70) 1,4-dichlorobenzene	8.15	146	1450369	20.76 ug/L	98
71) 1,2,3-trimethylbenzene	8.31	105	2348017	19.97 ug/L	100
72) n-butylbenzene	8.53	92	1215573	20.39 ug/L #	81
73) p-diethylbenzene	8.52	119	1430723	20.18 ug/L	96
74) 1,2-dichlorobenzene	8.42	146	1364064	20.69 ug/L	99
75) 1,2,4,5-tetramethylbenzene	9.26	119	2618337	19.74 ug/L	97
76) 1,2-dibromo-3-chloropropan	8.78	157	115245	20.50 ug/L	93
77) 1,2,4-trichlorobenzene	9.85	180	652407	19.92 ug/L	96
78) hexachlorobutadiene	10.10	225	358671	20.05 ug/L	99
79) naphthalene	10.03	128	1261454	19.15 ug/L	98
80) 1,2,3-trichlorobenzene	10.19	180	543081	19.51 ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\010909\01090907.D Vial: 7
Acq On : 9 Jan 2009 6:56 pm Operator:
Sample : soil stnd 20ug/Kg Inst : GCMSV4
Misc : KM010909 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 12 10:20 2009 Quant Results File: VS010909.RES

Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\010909\01090908.D Vial: 8
Acq On : 9 Jan 2009 7:18 pm Operator:
Sample : soil stnd 50ug/Kg Inst : GCMSV4
Misc : KM010909 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 12 10:20:48 2009 Quant Results File: VS010909.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) pentafluorobenzene	3.38	168	3572247	50.00	ug/L	0.00
24) 1,4-difluorobenzene	3.93	114	5118322	50.00	ug/L	0.00
42) chlorobenzene-d5	6.21	82	2436048	50.00	ug/L	0.00
55) 1,4-dichlorobenzene-d4	8.13	152	2899396	50.00	ug/L	0.00
System Monitoring Compounds						
27) 1,2-dichloroethane-d4	3.39	102	369185	52.61	ug/L	0.00
37) toluene-d8	5.17	98	6270963	50.72	ug/L	0.00
41) 4-bromofluorobenzene	7.14	174	1914616	51.66	ug/L	0.00
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.19	85	2079932	50.45	ug/L	99
3) chlorodifluoromethane	1.16	51	2674893m	50.06	ug/L	
4) chloromethane	1.26	50	2248790m	48.94	ug/L	
5) vinyl chloride	1.33	62	2483857	49.83	ug/L	100
6) bromomethane	1.48	96	1189922	51.28	ug/L	97
7) chloroethane	1.53	64	1408120	48.82	ug/L	99
8) trichlorofluoromethane	1.76	101	2908668	50.01	ug/L	98
9) freon	2.12	151	1483518	51.04	ug/L	98
10) acetone	1.81	58	627757	253.13	ug/L	99
11) 1,1-dichloroethene	2.01	96	1493601	50.03	ug/L	87
12) methylene chloride	2.08	84	1938704	51.53	ug/L	96
13) carbon disulfide	2.20	76	5879740	50.31	ug/L	100
14) tert-butylmethylether	2.50	73	4347635	50.64	ug/L	99
15) trans-1,2-dichloroethene	2.44	96	1712443	50.44	ug/L	99
16) vinyl acetate	2.66	43	20579204	252.50	ug/L	100
17) 1,1-dichloroethane	2.57	63	3259595	50.45	ug/L	98
18) methyl ethyl ketone	2.82	72	820502	247.84	ug/L	98
19) 2,2-dichloropropane	3.08	77	2176999	50.38	ug/L	99
20) cis-1,2-dichloroethene	2.90	96	1969054	50.26	ug/L	96
21) chloroform	3.03	83	3317857	49.91	ug/L	99
22) bromochloromethane	3.00	128	930718	49.08	ug/L	87
23) 1,1,1-trichloroethane	3.50	97	2636041	50.42	ug/L #	84
25) 1,1-dichloropropene	3.62	75	2358670	51.28	ug/L	98
26) carbon tetrachloride	3.73	119	2266188	50.90	ug/L	97
28) 1,2-dichloroethane	3.43	62	2239402m	51.77	ug/L	
29) benzene	3.76	78	7125664	50.84	ug/L	99
30) trichloroethene	4.19	95	1755720	50.47	ug/L	97
31) 1,2-dichloropropane	4.16	63	1808636	51.24	ug/L	98
32) bromodichloromethane	4.22	83	2402969	50.53	ug/L	99
33) dibromomethane	4.13	93	955230	50.48	ug/L	95
34) 2-chloroethylvinylether	4.54	63	798963	51.02	ug/L	93
35) 4-methyl-2-pentanone	4.77	43	8147586	258.26	ug/L	96
36) cis-1,3-dichloropropene	4.67	75	2596807	52.13	ug/L	96
38) toluene	5.22	91	7740737	51.19	ug/L	100
39) trans-1,3-dichloropropene	4.98	75	2189243	51.76	ug/L	99
40) 1,1,2-trichloroethane	5.08	83	1165554	51.40	ug/L	98
43) 2-hexanone	5.39	43	5534394	255.30	ug/L	99
44) 1,3-dichloropropane	5.26	76	2543996	50.36	ug/L	97
45) tetrachloroethene	5.75	166	1796389	51.11	ug/L	97
46) dibromochloromethane	5.43	129	1767745	51.42	ug/L	95
47) 1,2-dibromoethane	5.61	107	1401505	50.21	ug/L	96
48) chlorobenzene	6.24	112	4814045	51.38	ug/L	97
49) 1,1,1,2-tetrachloroethane	6.19	131	1633025	50.50	ug/L	96
50) ethylbenzene	6.40	91	8361182	51.82	ug/L	98
51) m+p xylene	6.55	106	6413019	102.74	ug/l	95
52) o-xylene	6.85	106	3214813	50.99	ug/L	97
53) styrene	6.79	104	5311961	51.96	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\010909\01090908.D Vial: 8
Acq On : 9 Jan 2009 7:18 pm Operator:
Sample : soil stnd 50ug/Kg Inst : GCMSV4
Misc : KM010909 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 12 10:20:48 2009 Quant Results File: VS010909.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

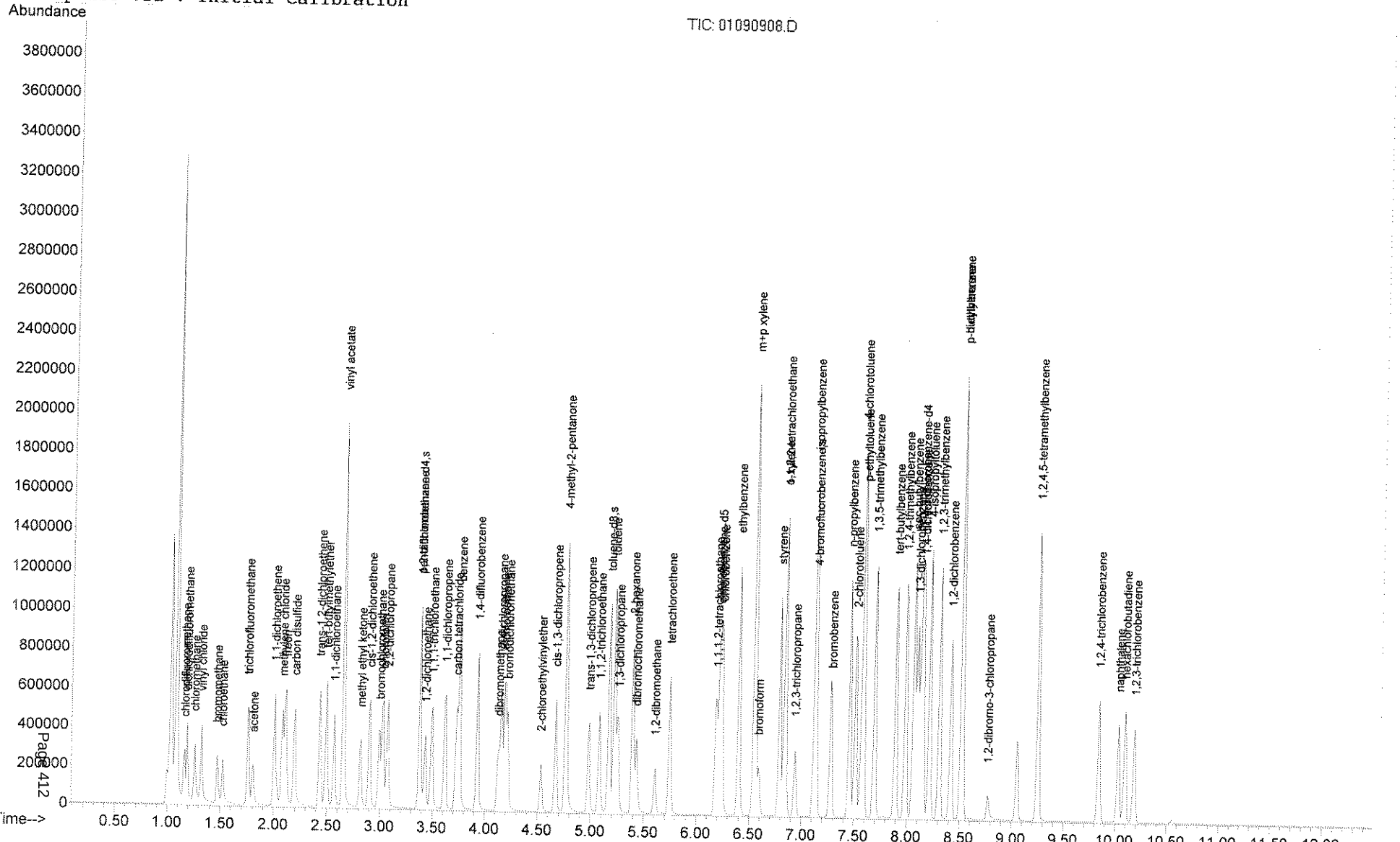
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
54) bromoform	6.60	173	1043559	51.07 ug/L	96
56) isopropylbenzene	7.13	105	8219218	50.29 ug/L	98
57) 1,1,2,2-tetrachloroethane	6.83	83	1776950	49.46 ug/L	94
58) 1,2,3-trichloropropane	6.94	75	1274823	48.95 ug/L	98
59) n-propylbenzene	7.46	91	9403925	50.62 ug/L	98
60) bromobenzene	7.28	156	2062205	50.11 ug/L	89
61) p-ethyltoluene	7.59	105	8464745	50.34 ug/L	98
62) 1,3,5-trimethylbenzene	7.70	120	3462386	51.42 ug/L	97
63) 2-chlorotoluene	7.52	126	1970062	50.17 ug/L	91
64) 4-chlorotoluene	7.58	126	2076129	50.41 ug/L	78
65) tert-butylbenzene	7.90	134	1526619	50.74 ug/L	88
66) 1,2,4-trimethylbenzene	7.99	105	6971853	51.43 ug/L	97
67) sec-butylbenzene	8.07	105	8979618	51.13 ug/L	99
68) 4-isopropyltoluene	8.22	119	7556586	51.75 ug/L	98
69) 1,3-dichlorobenzene	8.10	146	4065311	50.59 ug/L	97
70) 1,4-dichlorobenzene	8.15	146	4119638	50.87 ug/L	99
71) 1,2,3-trimethylbenzene	8.31	105	7047875	51.54 ug/L	99
72) n-butylbenzene	8.53	92	3689380	52.04 ug/L #	81
73) p-diethylbenzene	8.52	119	4352542	51.76 ug/L	95
74) 1,2-dichlorobenzene	8.42	146	3885306	51.15 ug/L	98
75) 1,2,4,5-tetramethylbenzene	9.26	119	8321027	52.98 ug/L	96
76) 1,2-dibromo-3-chloropropan	8.78	157	326712	49.85 ug/L	95
77) 1,2,4-trichlorobenzene	9.84	180	2012839	51.75 ug/L	98
78) hexachlorobutadiene	10.10	225	1110336	53.15 ug/L	99
79) naphthalene	10.03	128	4178325	52.92 ug/L	98
80) 1,2,3-trichlorobenzene	10.19	180	1730548	52.40 ug/L	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\010909\01090908.D Vial: 8
Acq On : 9 Jan 2009 7:18 pm Operator:
Sample : soil stnd 50ug/Kg Inst : GCMSV4
Misc : KM010909 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 12 10:22 2009 Quant Results File: VS010909.RES

Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration



01090908.D VS010909.M Wed Jan 14 17:34:17 2009 GCMSV4

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\010909\01090909.D Vial: 9
Acq On : 9 Jan 2009 7:40 pm Operator:
Sample : soil stnd 100ug/Kg Inst : GCMSV4
Misc : KM010909 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 12 10:12:31 2009 Quant Results File: VS010909.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) pentafluorobenzene	3.39	168	4036351	50.00	ug/L	0.00
24) 1,4-difluorobenzene	3.93	114	5871033	50.00	ug/L	0.00
42) chlorobenzene-d5	6.22	82	2907101	50.00	ug/L	0.00
55) 1,4-dichlorobenzene-d4	8.14	152	3281588	50.00	ug/L	0.00
System Monitoring Compounds						
27) 1,2-dichloroethane-d4	3.38	102	395904m	49.19	ug/L	0.00
37) toluene-d8	5.18	98	7056011	49.75	ug/L	0.00
41) 4-bromofluorobenzene	7.14	174	2197994	51.70	ug/L	0.00
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.20	85	4238269	91.60	ug/L	98
3) chlorodifluoromethane	1.16	51	5657366m	97.21	ug/L	
4) chloromethane	1.27	50	4813289	93.87	ug/L	98
5) vinyl chloride	1.33	62	5237804	95.40	ug/L	100
6) bromomethane	1.48	96	2670997	97.46	ug/L	97
7) chloroethane	1.54	64	3045512	94.65	ug/L	98
8) trichlorofluoromethane	1.77	101	6309003	95.25	ug/L	97
9) freon	2.12	151	3137811	94.52	ug/L	100
10) acetone	1.81	58	1373565	483.83	ug/L	96
11) 1,1-dichloroethene	2.01	96	3284858	96.18	ug/L	87
12) methylene chloride	2.09	84	4141390	99.13	ug/L	95
13) carbon disulfide	2.20	76	12910939	96.29	ug/L	100
14) tert-butylmethylether	2.50	73	9969455	98.71	ug/L	99
15) trans-1,2-dichloroethene	2.44	96	3745092	96.35	ug/L	99
16) vinyl acetate	2.66	43	48866682	502.82	ug/L	99
17) 1,1-dichloroethane	2.58	63	7152113	96.56	ug/L	98
18) methyl ethyl ketone	2.82	72	1891047	493.20	ug/L	96
19) 2,2-dichloropropane	3.08	77	5190158	100.10	ug/L	99
20) cis-1,2-dichloroethene	2.91	96	4419238	98.06	ug/L	95
21) chloroform	3.03	83	7278394	95.78	ug/L	98
22) bromochloromethane	3.00	128	2106161	97.68	ug/L	91
23) 1,1,1-trichloroethane	3.50	97	5934886	98.42	ug/L #	82
25) 1,1-dichloropropene	3.62	75	5227381	96.11	ug/L	97
26) carbon tetrachloride	3.73	119	5176501	97.55	ug/L	96
28) 1,2-dichloroethane	3.44	62	4660122	92.41	ug/L #	96
29) benzene	3.76	78	15932281	96.09	ug/L	99
30) trichloroethene	4.19	95	3934301	96.00	ug/L	98
31) 1,2-dichloropropane	4.16	63	4027558	97.17	ug/L	98
32) bromodichloromethane	4.22	83	5546508	98.43	ug/L	98
33) dibromomethane	4.13	93	2172489	97.38	ug/L	94
34) 2-chloroethylvinylether	4.54	63	1888763	101.51	ug/L #	92
35) 4-methyl-2-pentanone	4.77	43	18856345	488.49	ug/L	96
36) cis-1,3-dichloropropene	4.67	75	5924540	98.37	ug/L	96
38) toluene	5.23	91	17163765	95.34	ug/L	98
39) trans-1,3-dichloropropene	4.99	75	5195398	99.34	ug/L	99
40) 1,1,2-trichloroethane	5.09	83	2595403	97.21	ug/L	97
43) 2-hexanone	5.40	43	12931775	495.41	ug/L	100
44) 1,3-dichloropropane	5.26	76	5688852	96.56	ug/L	99
45) tetrachloroethene	5.75	166	3948321	95.65	ug/L	96
46) dibromochloromethane	5.44	129	4031760	99.04	ug/L	95
47) 1,2-dibromoethane	5.61	107	3242453	99.25	ug/L	98
48) chlorobenzene	6.24	112	10641174	96.66	ug/L	96
49) 1,1,1,2-tetrachloroethane	6.19	131	3809339	99.09	ug/L #	77
50) ethylbenzene	6.40	91	18724623	97.13	ug/L	99
51) m+p xylene	6.55	106	14734626	194.43	ug/l	95
52) o-xylene	6.85	106	7386826	98.51	ug/L	96
53) styrene	6.79	104	12220041	99.29	ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\010909\01090909.D Vial: 9
Acq On : 9 Jan 2009 7:40 pm Operator:
Sample : soil stnd 100ug/Kg Inst : GCMSV4
Misc : KM010909 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 12 10:12:31 2009 Quant Results File: VS010909.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

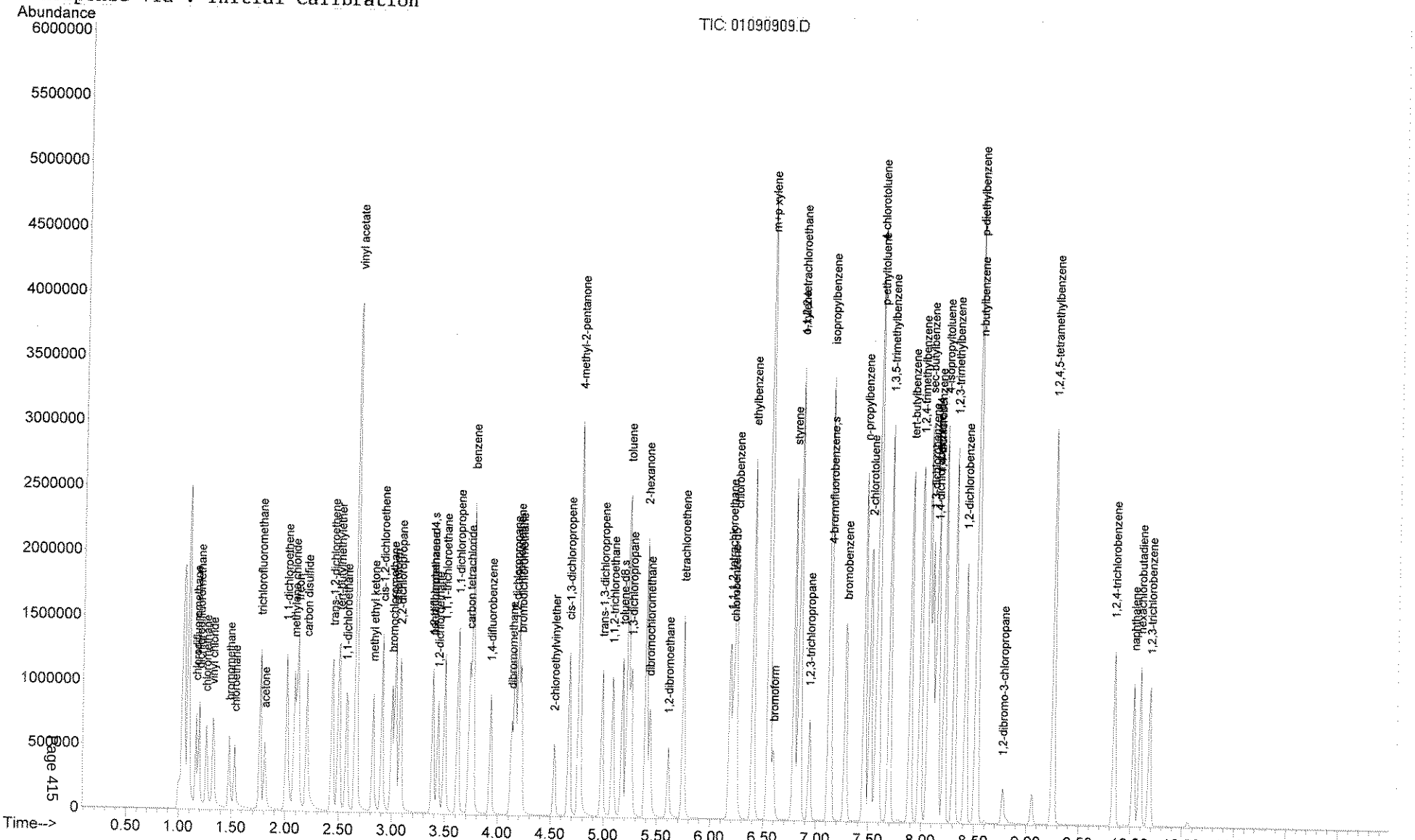
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
54) bromoform	6.60	173	2510117	101.66 ug/L	95
56) isopropylbenzene	7.13	105	18760124	97.99 ug/L	98
57) 1,1,2,2-tetrachloroethane	6.84	83	4055373	97.87 ug/L	96
58) 1,2,3-trichloropropane	6.94	75	2906314	97.93 ug/L	99
59) n-propylbenzene	7.46	91	21428060	98.13 ug/L	98
60) bromobenzene	7.28	156	4694852	98.61 ug/L	89
61) p-ethyltoluene	7.59	105	19552329	97.56 ug/L	98
62) 1,3,5-trimethylbenzene	7.70	120	7750008	98.22 ug/L	98
63) 2-chlorotoluene	7.52	126	4412113	97.46 ug/L	88
64) 4-chlorotoluene	7.58	126	4712743	97.84 ug/L	77
65) tert-butylbenzene	7.90	134	3463386	98.37 ug/L	87
66) 1,2,4-trimethylbenzene	7.99	105	15734449	98.09 ug/L	97
67) sec-butylbenzene	8.07	105	20359819	98.28 ug/L	99
68) 4-isopropyltoluene	8.22	119	16785312	97.26 ug/L	98
69) 1,3-dichlorobenzene	8.10	146	9068540	97.09 ug/L	98
70) 1,4-dichlorobenzene	8.15	146	9101010	96.34 ug/L	99
71) 1,2,3-trimethylbenzene	8.31	105	15716532	98.12 ug/L	100
72) n-butylbenzene	8.53	92	8184781	95.96 ug/L #	80
73) p-diethylbenzene	8.52	119	9804320	97.06 ug/L	96
74) 1,2-dichlorobenzene	8.42	146	8481293	96.57 ug/L	98
75) 1,2,4,5-tetramethylbenzene	9.26	119	17915501	95.72 ug/L	96
76) 1,2-dibromo-3-chloropropan	8.78	157	780465	100.72 ug/L	92
77) 1,2,4-trichlorobenzene	9.85	180	4442420	95.21 ug/L	98
78) hexachlorobutadiene	10.10	225	2303453	94.21 ug/L	97
79) naphthalene	10.03	128	9119711	95.68 ug/L	98
80) 1,2,3-trichlorobenzene	10.19	180	3757765	95.24 ug/L	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\010909\01090909.D Vial: 9
Acq On : 9 Jan 2009 7:40 pm Operator:
Sample : soil stnd 100ug/Kg Inst : GCMSV4
Misc : KM010909 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 12 10:23 2009 Quant Results File: VS010909.RES

Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration



01090909.D VS010909.M Wed Jan 14 17:34:18 2009 GCMSV4

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\010909\01090910.D Vial: 10
Acq On : 9 Jan 2009 8:02 pm Operator:
Sample : soil stnd 200ug/Kg Inst : GCMSV4
Misc : KM010909 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 12 10:12:33 2009 Quant Results File: VS010909.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) pentafluorobenzene	3.39	168	4495605	50.00	ug/L	0.00
24) 1,4-difluorobenzene	3.93	114	6260039	50.00	ug/L	0.00
42) chlorobenzene-d5	6.22	82	3469213	50.00	ug/L	0.00
55) 1,4-dichlorobenzene-d4	8.14	152	3682033	50.00	ug/L	0.00
System Monitoring Compounds						
27) 1,2-dichloroethane-d4	3.39	102	412200m	48.03	ug/L	0.00
37) toluene-d8	5.18	98	7692413	50.87	ug/L	0.00
41) 4-bromofluorobenzene	7.14	174	2473181	54.56	ug/L	0.00
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.20	85	10210035	201.80	ug/L	97
3) chlorodifluoromethane	1.17	51	12027096	202.46	ug/L	99
4) chloromethane	1.27	50	11542468	208.86	ug/L	99
5) vinyl chloride	1.33	62	11633679	202.55	ug/L	99
6) bromomethane	1.49	96	6724724	200.82	ug/L	99
7) chloroethane	1.54	64	7051477	202.95	ug/L	98
8) trichlorofluoromethane	1.77	101	15190122	202.15	ug/L	97
9) freon	2.12	151	7675423	202.25	ug/L	100
10) acetone	1.82	58	3275486	1006.38	ug/L	97
11) 1,1-dichloroethene	2.02	96	7889177	201.68	ug/L	88
12) methylene chloride	2.09	84	9695664	200.28	ug/L	96
13) carbon disulfide	2.21	76	31146045	201.57	ug/L	99
14) tert-butylmethylether	2.51	73	24429369	200.41	ug/L	99
15) trans-1,2-dichloroethene	2.44	96	8987295	201.55	ug/L	99
16) vinyl acetate	2.66	43	119297291	998.48	ug/L	99
17) 1,1-dichloroethane	2.58	63	17162234	201.44	ug/L	99
18) methyl ethyl ketone	2.83	72	4502207	1003.37	ug/L	99
19) 2,2-dichloropropane	3.08	77	12895665	199.90	ug/L	99
20) cis-1,2-dichloroethene	2.91	96	10463856	200.80	ug/L	97
21) chloroform	3.04	83	17542620	201.90	ug/L	99
22) bromochloromethane	3.01	128	4896564	201.21	ug/L	95
23) 1,1,1-trichloroethane	3.50	97	14020498	200.16	ug/L #	82
25) 1,1-dichloropropene	3.63	75	12498857	201.39	ug/L	98
26) carbon tetrachloride	3.74	119	12309498	200.84	ug/L	96
28) 1,2-dichloroethane	3.44	62	10924897	195.29	ug/L #	98
29) benzene	3.76	78	38131281	201.47	ug/L	98
30) trichloroethene	4.19	95	9348327	201.57	ug/L	98
31) 1,2-dichloropropane	4.16	63	9347594	200.96	ug/L	98
32) bromodichloromethane	4.22	83	12872230	200.56	ug/L	99
33) dibromomethane	4.13	93	5067554	201.01	ug/L	96
34) 2-chloroethylvinylether	4.54	63	4215419	199.14	ug/L #	93
35) 4-methyl-2-pentanone	4.77	43	47054054	1003.00	ug/L	95
36) cis-1,3-dichloropropene	4.68	75	14316116	200.32	ug/L	96
38) toluene	5.23	91	42117121	201.68	ug/L	100
39) trans-1,3-dichloropropene	4.99	75	12723552	198.32	ug/L	99
40) 1,1,2-trichloroethane	5.09	83	6056000	200.96	ug/L	97
43) 2-hexanone	5.40	43	31766891	1000.93	ug/L	99
44) 1,3-dichloropropane	5.26	76	13513485	203.04	ug/L	98
45) tetrachloroethene	5.75	166	9628037	203.35	ug/L	97
46) dibromochloromethane	5.44	129	9564044	200.17	ug/L	96
47) 1,2-dibromoethane	5.61	107	7493921	200.33	ug/L	97
48) chlorobenzene	6.24	112	25499270	201.38	ug/L	97
49) 1,1,1,2-tetrachloroethane	6.19	131	9116474	200.30	ug/L #	90
50) ethylbenzene	6.40	91	46357290	200.96	ug/L	98
51) m+p xylene	6.56	106	37758051	401.92	ug/l	99
52) o-xylene	6.85	106	17807415	200.47	ug/L	96
53) styrene	6.79	104	29908397	199.92	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\010909\01090910.D Vial: 10
Acq On : 9 Jan 2009 8:02 pm Operator:
Sample : soil stnd 200ug/Kg Inst : GCMSV4
Misc : KM010909 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 12 10:12:33 2009 Quant Results File: VS010909.RES

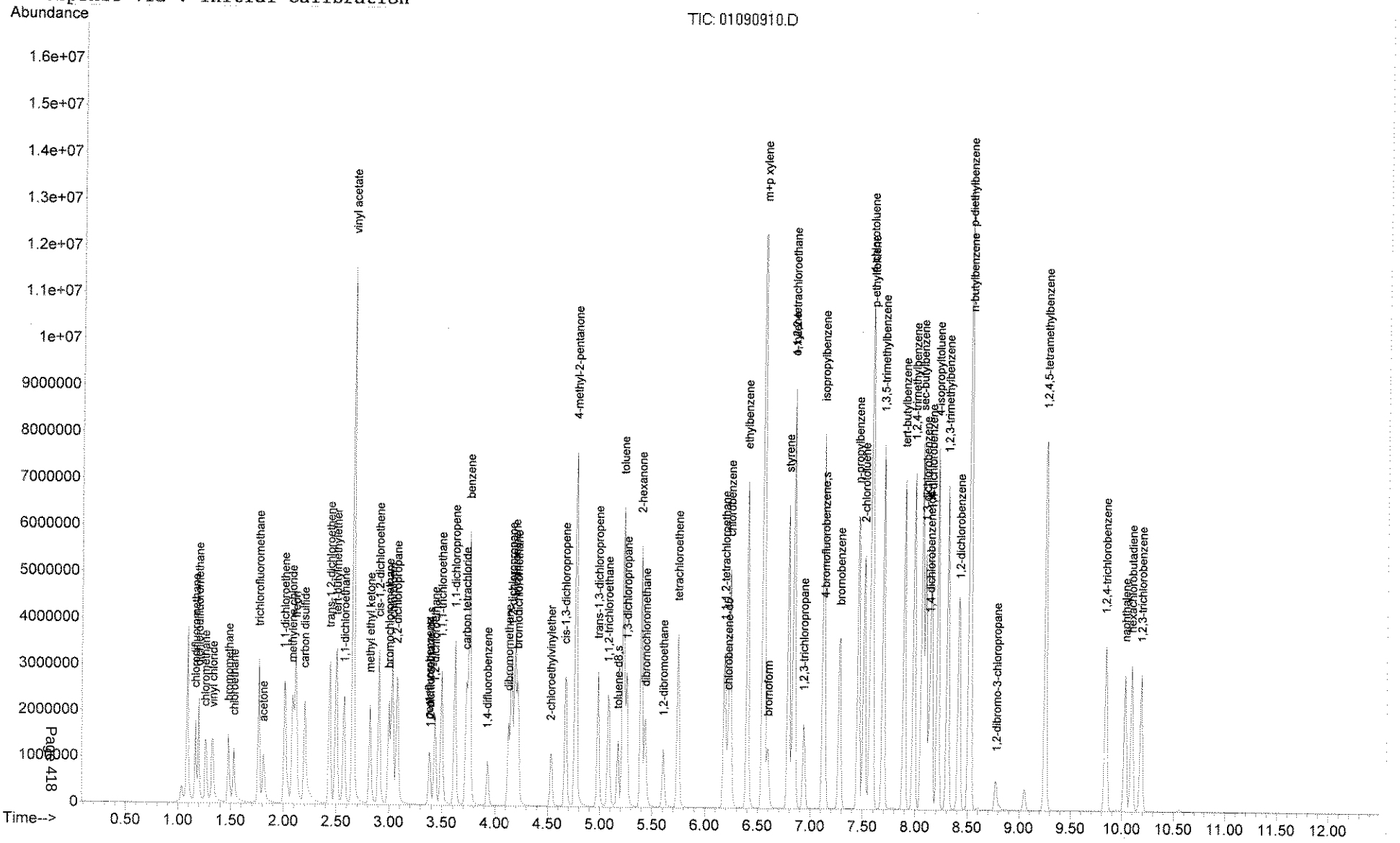
Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
54) bromoform	6.60	173	6005724	199.07 ug/L	97
56) isopropylbenzene	7.13	105	46281491	200.78 ug/L	97
57) 1,1,2,2-tetrachloroethane	6.84	83	9713812	200.99 ug/L	94
58) 1,2,3-trichloropropane	6.94	75	6792644	201.14 ug/L	99
59) n-propylbenzene	7.46	91	53092820	200.65 ug/L	100
60) bromobenzene	7.29	156	11205861	200.59 ug/L	89
61) p-ethyltoluene	7.59	105	50156832	200.89 ug/L	96
62) 1,3,5-trimethylbenzene	7.70	120	19071658	200.49 ug/L	97
63) 2-chlorotoluene	7.52	126	10624361	201.07 ug/L #	88
64) 4-chlorotoluene	7.58	126	11211611m	194.67 ug/L	
65) tert-butylbenzene	7.90	134	8478934	200.54 ug/L	88
66) 1,2,4-trimethylbenzene	7.99	105	39538569	200.52 ug/L	95
67) sec-butylbenzene	8.07	105	50691127	200.49 ug/L	100
68) 4-isopropyltoluene	8.22	119	42622815	200.80 ug/L	99
69) 1,3-dichlorobenzene	8.10	146	22304703	201.08 ug/L	98
70) 1,4-dichlorobenzene	8.16	146	22806490	201.35 ug/L	99
71) 1,2,3-trimethylbenzene	8.31	105	38709085	200.51 ug/L	98
72) n-butylbenzene	8.53	92	21984378	201.22 ug/L #	80
73) p-diethylbenzene	8.52	119	25774975	200.85 ug/L	95
74) 1,2-dichlorobenzene	8.42	146	20796447	201.25 ug/L	99
75) 1,2,4,5-tetramethylbenzene	9.26	119	47500696	201.21 ug/L	97
76) 1,2-dibromo-3-chloropropan	8.78	157	1880618	199.71 ug/L	94
77) 1,2,4-trichlorobenzene	9.85	180	12009712	201.58 ug/L	99
78) hexachlorobutadiene	10.10	225	6015863	201.84 ug/L	98
79) naphthalene	10.03	128	24840140	201.22 ug/L	98
80) 1,2,3-trichlorobenzene	10.19	180	10087176	201.49 ug/L	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : C:\MSDCHEM\1\DATA\0109\010909\01090910.D Vial: 10
Acq On : 9 Jan 2009 8:02 pm Operator:
Sample : soil stnd 200ug/Kg Inst : GCMSV4
Misc : KM010909 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 12 10:24 2009 Quant Results File: VS010909.RES

Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration



Response Factor Report GCMSV4

Method : C:\MSDCHEM\1\METHODS\VS010909A.M (Chemstation Integrator)
Title :
Last Update : Tue Jan 13 11:21:35 2009
Response via : Initial Calibration

Calibration Files
1 =01090903.D 2 =01090904.D 5 =01090905.D
10 =01090906.D 20 =01090907.D

		Compound	1	2	5	10	20	Avg	%RSD
1)		pentafluorobenzene	ISTD						
2)		methylene chlorid	1.472	0.980	1.023	0.724	0.586	0.957	35.53
3)		1,4-difluorobenzene	ISTD						
4)	s	1,2-dichloroethan	0.068	0.070	0.068	0.067	0.069	0.069	1.93
5)	s	toluene-d8	1.170	1.196	1.193	1.193	1.208	1.192	1.16
6)	s	4-bromofluorobenz	0.323	0.328	0.337	0.338	0.354	0.336	3.54
7)		chlorobenzene-d5	ISTD						
8)		1,4-dichlorobenzene-d	ISTD						

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\010909\01090903.D Vial: 3
Acq On : 9 Jan 2009 5:28 pm Operator:
Sample : soil stnd 1ug/Kg Inst : GCMSV4
Misc : KM010909 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 11:22:06 2009 Quant Results File: VS010909A.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909A.M (Chemstation Integrator)
Title :
Last Update : Tue Jan 13 11:21:35 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) pentafluorobenzene	3.39	168	3499182	50.00	ug/L	0.00
3) 1,4-difluorobenzene	3.93	114	5004500	50.00	ug/L	0.00
7) chlorobenzene-d5	6.22	82	2217361	50.00	ug/L	0.00
8) 1,4-dichlorobenzene-d4	8.13	152	2396625	50.00	ug/L	0.00
System Monitoring Compounds						
4) 1,2-dichloroethane-d4	3.39	102	342592	49.89	ug/L	0.00
5) toluene-d8	5.18	98	5855731	49.08	ug/L	0.00
6) 4-bromofluorobenzene	7.14	174	1616388	48.08	ug/L	0.00
Target Compounds						Qvalue
2) methylene chloride	2.08	84	104765m	0.87	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\010909\01090904.D Vial: 4
Acq On : 9 Jan 2009 5:50 pm Operator:
Sample : soil stnd 2ug/Kg Inst : GCMSV4
Misc : KM010909 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 11:22:07 2009 Quant Results File: VS010909A.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909A.M (Chemstation Integrator)
Title :
Last Update : Tue Jan 13 11:21:35 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) pentafluorobenzene	3.39	168	3375550	50.00	ug/L	0.00
3) 1,4-difluorobenzene	3.93	114	4797694	50.00	ug/L	0.00
7) chlorobenzene-d5	6.22	82	2120719	50.00	ug/L	0.00
8) 1,4-dichlorobenzene-d4	8.14	152	2286606	50.00	ug/L	0.00
System Monitoring Compounds						
4) 1,2-dichloroethane-d4	3.39	102	336405	51.10	ug/L	0.00
5) toluene-d8	5.18	98	5738573	50.17	ug/L	0.00
6) 4-bromofluorobenzene	7.14	174	1571926	48.78	ug/L	0.00
Target Compounds						Qvalue
2) methylene chloride	2.08	84	132128m	1.64	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\010909\01090905.D Vial: 5
Acq On : 9 Jan 2009 6:12 pm Operator:
Sample : soil stnd 5ug/Kg Inst : GCMSV4
Misc : KM010909 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 11:22:08 2009 Quant Results File: VS010909A.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909A.M (Chemstation Integrator)
Title :
Last Update : Tue Jan 13 11:21:35 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) pentafluorobenzene	3.39	168	3268057	50.00	ug/L	0.00
3) 1,4-difluorobenzene	3.93	114	4743243	50.00	ug/L	0.00
7) chlorobenzene-d5	6.22	82	2150279	50.00	ug/L	0.00
8) 1,4-dichlorobenzene-d4	8.14	152	2334078	50.00	ug/L	0.00
System Monitoring Compounds						
4) 1,2-dichloroethane-d4	3.39	102	324819	49.90	ug/L	0.00
5) toluene-d8	5.18	98	5657800	50.03	ug/L	0.00
6) 4-bromofluorobenzene	7.14	174	1599246	50.19	ug/L	0.00
Target Compounds						Qvalue
2) methylene chloride	2.09	84	336569	7.01	ug/L	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\010909\01090906.D Vial: 6
Acq On : 9 Jan 2009 6:34 pm Operator:
Sample : soil stnd 10ug/Kg Inst : GCMSV4
Misc : KM010909 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 11:22:09 2009 Quant Results File: VS010909A.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909A.M (Chemstation Integrator)
Title :
Last Update : Tue Jan 13 11:21:35 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) pentafluorobenzene	3.38	168	3224057	50.00	ug/L	0.00
3) 1,4-difluorobenzene	3.93	114	4689018	50.00	ug/L	0.00
7) chlorobenzene-d5	6.22	82	2119976	50.00	ug/L	0.00
8) 1,4-dichlorobenzene-d4	8.13	152	2354774	50.00	ug/L	0.00
System Monitoring Compounds						
4) 1,2-dichloroethane-d4	3.39	102	312243	48.53	ug/L	0.00
5) toluene-d8	5.18	98	5592008	50.02	ug/L	0.00
6) 4-bromofluorobenzene	7.14	174	1582868	50.25	ug/L	0.00
Target Compounds						Qvalue
2) methylene chloride	2.08	84	457371	10.27	ug/L	95

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\010909\01090907.D Vial: 7
Acq On : 9 Jan 2009 6:56 pm Operator:
Sample : soil stnd 20ug/Kg Inst : GCMSV4
Misc : KM010909 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 11:22:10 2009 Quant Results File: VS010909A.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909A.M (Chemstation Integrator)
Title :
Last Update : Tue Jan 13 11:21:35 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) pentafluorobenzene	3.39	168	3417986	50.00	ug/L	0.00
3) 1,4-difluorobenzene	3.94	114	4898151	50.00	ug/L	0.00
7) chlorobenzene-d5	6.22	82	2237193	50.00	ug/L	0.00
8) 1,4-dichlorobenzene-d4	8.13	152	2553073	50.00	ug/L	0.00
System Monitoring Compounds						
4) 1,2-dichloroethane-d4	3.39	102	340015	50.59	ug/L	0.00
5) toluene-d8	5.18	98	5919136	50.69	ug/L	0.00
6) 4-bromofluorobenzene	7.14	174	1733802	52.70	ug/L	0.00
Target Compounds						Qvalue
2) methylene chloride	2.09	84	801105	18.05	ug/L	95

Continuing Calibration

Summary Reports
Quant Reports and Chomatograms

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\0109\010909\01090913.D Vial: 13
Acq On : 9 Jan 2009 9:08 pm Operator:
Sample : soil stnd 20ug/Kg Inst : GCMSV4
Misc : KM010908 Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 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		pentafluorobenzene	1.000	1.000	0.0	108	0.00
2		dichlorodifluoromethane	0.609	0.583	4.3	100	0.00
3		chlorodifluoromethane	0.770	0.742	3.6	102	0.00
4		chloromethane	0.679	0.678	0.1	107	0.00
5		vinyl chloride	0.725	0.697	3.9	106	0.00
6		bromomethane	0.333	0.353	-6.0	122	0.00
7		chloroethane	0.424	0.436	-2.8	109	-0.01
8		trichlorofluoromethane	0.852	0.800	6.1	103	0.00
9		freon	0.421	0.374	11.2	96	0.00
10		acetone	0.036	0.038	-5.6	116	0.00
11		1,1-dichloroethene	0.432	0.413	4.4	104	0.00
12		methylene chloride	0.653	0.594	9.0	110	0.00
13		carbon disulfide	1.691	1.595	5.7	103	0.00
14		tert-butylmethylether	1.222	1.222	0.0	111	0.00
15		trans-1,2-dichloroethene	0.492	0.466	5.3	105	0.00
16		vinyl acetate	1.144	1.116	2.4	110	0.00
17		1,1-dichloroethane	0.934	0.931	0.3	110	0.00
18		methyl ethyl ketone	0.048	0.045	6.3	108	0.00
19		2,2-dichloropropane	0.609	0.573	5.9	107	0.00
20		cis-1,2-dichloroethene	0.559	0.559	0.0	110	0.00
21		chloroform	0.969	0.966	0.3	108	0.00
22		bromochloromethane	0.272	0.268	1.5	103	0.00
23		1,1,1-trichloroethane	0.745	0.701	5.9	105	0.00
24		1,4-difluorobenzene	1.000	1.000	0.0	110	0.00
25		1,1-dichloropropene	0.461	0.427	7.4	104	0.00
26		carbon tetrachloride	0.444	0.410	7.7	104	0.00
27	s	1,2-dichloroethane-d4	0.069	0.065	5.8	103	0.00
28		1,2-dichloroethane	0.442	0.437	1.1	104	0.00
29		benzene	1.413	1.359	3.8	107	0.00
30		trichloroethene	0.350	0.323	7.7	100	0.00
31		1,2-dichloropropane	0.351	0.346	1.4	112	0.00
32		bromodichloromethane	0.472	0.474	-0.4	113	0.00
33		dibromomethane	0.189	0.196	-3.7	115	0.00
34		2-chloroethylvinylether	0.150	0.141	6.0	104	0.00
35		4-methyl-2-pentanone	0.312	0.302	3.2	108	0.00
36		cis-1,3-dichloropropene	0.489	0.478	2.2	114	0.00
37	s	toluene-d8	1.208	1.169	3.2	106	0.00
38		toluene	1.535	1.493	2.7	110	0.00
39		trans-1,3-dichloropropene	0.393	0.393	0.0	111	0.00
40		1,1,2-trichloroethane	0.226	0.223	1.3	114	0.00
41	s	4-bromofluorobenzene	0.362	0.352	2.8	109	0.00
42		chlorobenzene-d5	1.000	1.000	0.0	107	0.00
43		2-hexanone	0.442	0.457	-3.4	109	0.00
44		1,3-dichloropropane	1.054	1.120	-6.3	110	0.00
45		tetrachloroethene	0.718	0.733	-2.1	107	0.00
46		dibromochloromethane	0.699	0.725	-3.7	111	0.00
47		1,2-dibromoethane	0.572	0.631	-10.3	115	0.00
48		chlorobenzene	1.937	2.022	-4.4	111	0.00
49		1,1,1,2-tetrachloroethane	0.662	0.716	-8.2	113	0.00
50		ethylbenzene	3.313	3.393	-2.4	109	0.00
51		m+p xylene	1.295	1.313	-1.4	110	0.00
52		o-xylene	1.286	1.347	-4.7	109	0.00
53		styrene	2.056	2.135	-3.8	110	0.00
54		bromoform	0.411	0.447	-8.8	120	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\0109\010909\01090913.D Vial: 13
Acq On : 9 Jan 2009 9:08 pm Operator:
Sample : soil stnd 20ug/Kg Inst : GCMSV4
Misc : KM010908 Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 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)
56	isopropylbenzene	2.889	2.835	1.9	107	0.00
57	1,1,2,2-tetrachloroethane	0.633	0.649	-2.5	106	0.00
58	1,2,3-trichloropropane	0.462	0.488	-5.6	112	0.00
59	n-propylbenzene	3.257	3.167	2.8	106	0.00
60	bromobenzene	0.722	0.772	-6.9	117	0.00
61	p-ethyltoluene	2.987	2.927	2.0	107	0.00
62	1,3,5-trimethylbenzene	1.168	1.147	1.8	107	0.00
63	2-chlorotoluene	0.693	0.714	-3.0	111	0.00
64	4-chlorotoluene	0.723	0.709	1.9	104	0.00
65	tert-butylbenzene	0.526	0.515	2.1	106	0.00
66	1,2,4-trimethylbenzene	2.359	2.318	1.7	107	0.00
67	sec-butylbenzene	3.054	3.015	1.3	106	0.00
68	4-isopropyltoluene	2.555	2.510	1.8	108	0.00
69	1,3-dichlorobenzene	1.405	1.407	-0.1	103	0.00
70	1,4-dichlorobenzene	1.429	1.424	0.3	107	0.00
71	1,2,3-trimethylbenzene	2.374	2.419	-1.9	112	0.00
72	n-butylbenzene	1.259	1.209	4.0	108	0.00
73	p-diethylbenzene	1.481	1.399	5.5	106	0.00
74	1,2-dichlorobenzene	1.332	1.383	-3.8	110	0.00
75	1,2,4,5-tetramethylbenzene	2.760	2.757	0.1	114	0.00
76	1,2-dibromo-3-chloropropane	0.114	0.118	-3.5	111	0.00
77	1,2,4-trichlorobenzene	0.704	0.697	1.0	116	0.00
78	hexachlorobutadiene	0.370	0.374	-1.1	113	0.00
79	naphthalene	1.402	1.448	-3.3	125	0.00
80	1,2,3-trichlorobenzene	0.593	0.598	-0.8	120	0.00

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\010909\01090913.D Vial: 13
Acq On : 9 Jan 2009 9:08 pm Operator:
Sample : soil stnd 20ug/Kg Inst : GCMSV4
Misc : KM010908 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 12 10:09:27 2009 Quant Results File: VS010909.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) pentafluorobenzene	3.38	168	3695170	50.00	ug/L	0.00
24) 1,4-difluorobenzene	3.93	114	5371657	50.00	ug/L	0.00
42) chlorobenzene-d5	6.21	82	2393324	50.00	ug/L	0.00
55) 1,4-dichlorobenzene-d4	8.13	152	2713488	50.00	ug/L	0.00
System Monitoring Compounds						
27) 1,2-dichloroethane-d4	3.39	102	350359	47.57	ug/L	0.00
37) toluene-d8	5.17	98	6281991	48.41	ug/L	0.00
41) 4-bromofluorobenzene	7.14	174	1890439	48.60	ug/L	0.00
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.19	85	862268	20.12	ug/L	96
3) chlorodifluoromethane	1.16	51	1097152m	19.40	ug/L	
4) chloromethane	1.26	50	1001676	20.91	ug/L	99
5) vinyl chloride	1.33	62	1030924	19.67	ug/L	99
6) bromomethane	1.48	96	521714	22.37	ug/L	99
7) chloroethane	1.52	64	644899m	21.45	ug/L	
8) trichlorofluoromethane	1.76	101	1182695	19.76	ug/L	96
9) freon	2.12	151	552806	18.54	ug/L	96
10) acetone	1.81	58	280519	110.25	ug/L	95
11) 1,1-dichloroethene	2.01	96	610824	19.94	ug/L	87
12) methylene chloride	2.08	84	877992	19.77	ug/L	96
13) carbon disulfide	2.20	76	2358169	19.71	ug/L	99
14) tert-butylmethylether	2.50	73	1805468	20.86	ug/L	99
15) trans-1,2-dichloroethene	2.44	96	688621	19.78	ug/L	100
16) vinyl acetate	2.66	43	8247731	101.21	ug/L	100
17) 1,1-dichloroethane	2.57	63	1375637	20.78	ug/L	98
18) methyl ethyl ketone	2.82	72	335601	99.50	ug/L	91
19) 2,2-dichloropropane	3.08	77	847407	19.71	ug/L	99
20) cis-1,2-dichloroethene	2.90	96	826434	20.62	ug/L	98
21) chloroform	3.03	83	1427297	20.91	ug/L	100
22) bromochloromethane	3.00	128	396474	20.29	ug/L	89
23) 1,1,1-trichloroethane	3.50	97	1036518	19.42	ug/L #	83
25) 1,1-dichloropropene	3.62	75	916437	19.41	ug/L	98
26) carbon tetrachloride	3.73	119	880723	19.36	ug/L	98
28) 1,2-dichloroethane	3.43	62	938230m	20.92	ug/L	
29) benzene	3.76	78	2919719	20.27	ug/L	99
30) trichloroethene	4.19	95	694656	19.39	ug/L	96
31) 1,2-dichloropropane	4.16	63	744461	20.42	ug/L	97
32) bromodichloromethane	4.22	83	1019372	20.85	ug/L	97
33) dibromomethane	4.13	93	420710	21.55	ug/L	94
34) 2-chloroethylvinylether	4.54	63	302529	18.84	ug/L	92
35) 4-methyl-2-pentanone	4.77	43	3242013	102.55	ug/L	97
36) cis-1,3-dichloropropene	4.67	75	1028067	20.42	ug/L #	96
38) toluene	5.22	91	3208430	20.76	ug/L	98
39) trans-1,3-dichloropropene	4.98	75	845498	20.09	ug/L	99
40) 1,1,2-trichloroethane	5.08	83	480091	20.54	ug/L	96
43) 2-hexanone	5.40	43	2186219	103.24	ug/L	99
44) 1,3-dichloropropane	5.26	76	1072311	21.30	ug/L	100
45) tetrachloroethene	5.75	166	701961	20.11	ug/L	96
46) dibromochloromethane	5.43	129	693831	20.44	ug/L	92
47) 1,2-dibromoethane	5.61	107	603792	21.77	ug/L	100
48) chlorobenzene	6.24	112	1935706	20.81	ug/L	97
49) 1,1,1,2-tetrachloroethane	6.19	131	685459	21.53	ug/L #	1
50) ethylbenzene	6.40	91	3248445	20.51	ug/L	99
51) m+p xylene	6.55	106	2514555	41.49	ug/l	95
52) o-xylene	6.85	106	1289157	20.77	ug/L	98
53) styrene	6.79	104	2043649	20.47	ug/L	92

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\010909\01090913.D Vial: 13
Acq On : 9 Jan 2009 9:08 pm Operator:
Sample : soil stnd 20ug/Kg Inst : GCMSV4
Misc : KM010908 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 12 10:09:27 2009 Quant Results File: VS010909.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
54) bromoform	6.60	173	428324	21.50 ug/L	91
56) isopropylbenzene	7.13	105	3076660	20.57 ug/L	100
57) 1,1,2,2-tetrachloroethane	6.83	83	704565	21.19 ug/L	95
58) 1,2,3-trichloropropane	6.94	75	529618	21.81 ug/L	97
59) n-propylbenzene	7.46	91	3437566	20.27 ug/L	97
60) bromobenzene	7.28	156	837683	22.03 ug/L	88
61) p-ethyltoluene	7.59	105	3176826	20.88 ug/L	99
62) 1,3,5-trimethylbenzene	7.70	120	1245231	20.24 ug/L	97
63) 2-chlorotoluene	7.52	126	774705	21.33 ug/L	93
64) 4-chlorotoluene	7.58	126	769900	20.40 ug/L	73
65) tert-butylbenzene	7.90	134	558553	20.27 ug/L	90
66) 1,2,4-trimethylbenzene	7.99	105	2516299	20.45 ug/L	97
67) sec-butylbenzene	8.06	105	3272649m	20.47 ug/L	
68) 4-isopropyltoluene	8.22	119	2724274	20.56 ug/L	99
69) 1,3-dichlorobenzene	8.10	146	1527004	20.66 ug/L	97
70) 1,4-dichlorobenzene	8.15	146	1545992	20.82 ug/L	96
71) 1,2,3-trimethylbenzene	8.31	105	2625314	21.00 ug/L	98
72) n-butylbenzene	8.53	92	1312199	20.70 ug/L #	82
73) p-diethylbenzene	8.52	119	1518970	20.16 ug/L	94
74) 1,2-dichlorobenzene	8.42	146	1500878	21.41 ug/L	99
75) 1,2,4,5-tetramethylbenzene	9.26	119	2992352	21.19 ug/L	95
76) 1,2-dibromo-3-chloropropan	8.78	157	128278	21.45 ug/L	92
77) 1,2,4-trichlorobenzene	9.85	180	756929	21.69 ug/L	98
78) hexachlorobutadiene	10.10	225	405649	21.31 ug/L	98
79) naphthalene	10.03	128	1571922	22.34 ug/L	98
80) 1,2,3-trichlorobenzene	10.19	180	649436	21.88 ug/L	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\010909\01090913.D Vial: 13
Acq On : 9 Jan 2009 9:08 pm Operator:
Sample : soil stnd 20ug/Kg Inst : GCMSV4
Misc : KM010908 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 14 17:48:50 2009 Quant Results File: VS010909A.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909A.M (Chemstation Integrator)
Title :
Last Update : Tue Jan 13 11:21:35 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

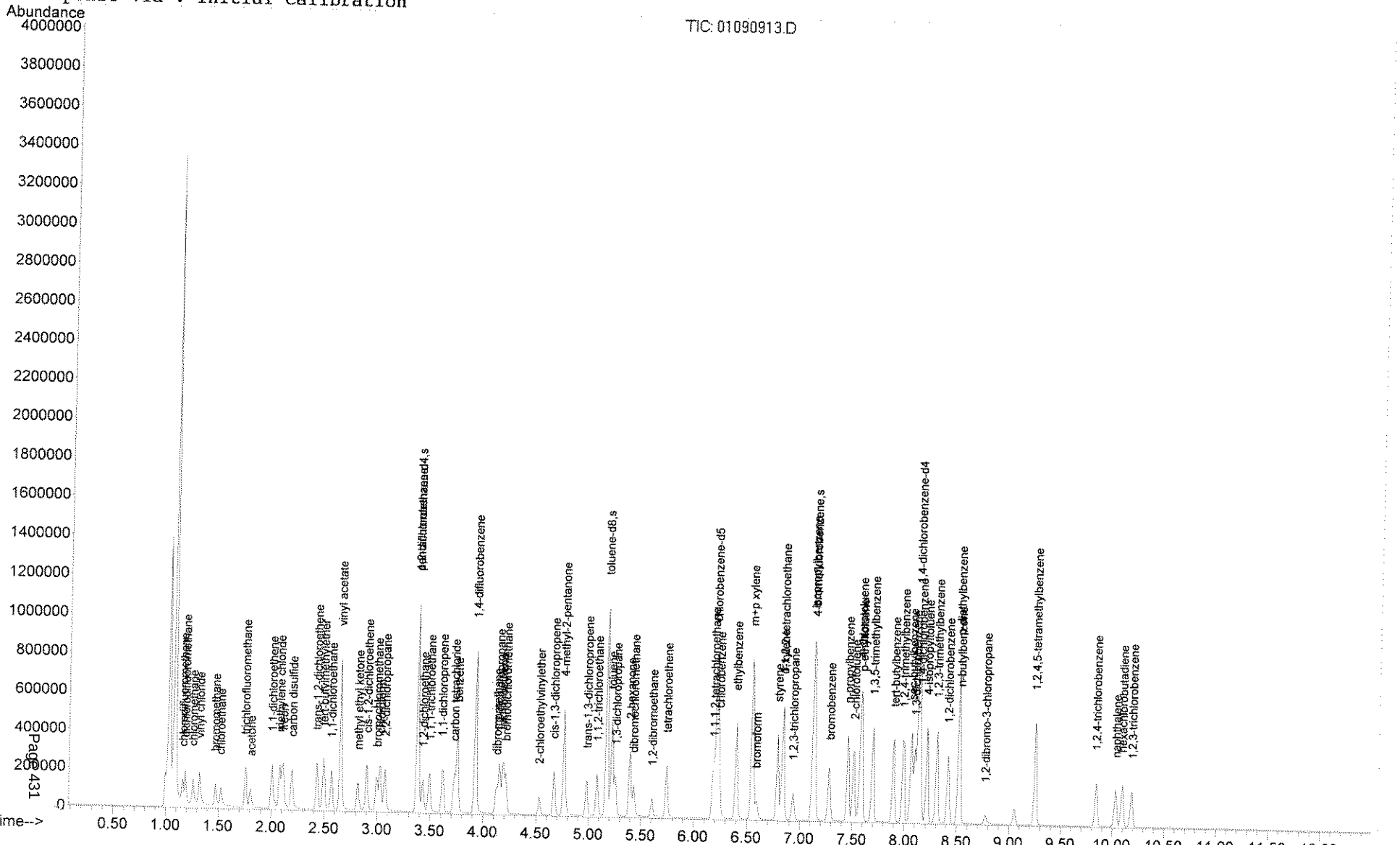
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) pentafluorobenzene	3.38	168	3695170	50.00	ug/L	0.00
3) 1,4-difluorobenzene	3.93	114	5371657	50.00	ug/L	0.00
7) chlorobenzene-d5	6.21	82	2394360	50.00	ug/L	0.00
8) 1,4-dichlorobenzene-d4	8.13	152	2713488	50.00	ug/L	0.00
System Monitoring Compounds						
4) 1,2-dichloroethane-d4	3.39	102	326839	44.34	ug/L	0.00
5) toluene-d8	5.17	98	6279755	49.04	ug/L	0.00
6) 4-bromofluorobenzene	7.14	174	1890439	52.39	ug/L	0.00
Target Compounds						Qvalue
2) methylene chloride	2.08	84	877992	18.32	ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed
01090913.D VS010909A.M Wed Jan 14 17:49:04 2009 GCMSV4

Data File : C:\MSDCHEM\1\DATA\0109\010909\01090913.D Vial: 13
Acq On : 9 Jan 2009 9:08 pm Operator:
Sample : soil stnd 20ug/Kg Inst : GCMSV4
Misc : KM010908 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 12 10:11 2009

Quant Results File: VS010909.RES

Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120905.D Vial: 5
Acq On : 12 Jan 2009 11:49 am Operator:
Sample : soil stnd 20ug/Kg Inst : GCMSV4
Misc : KM011209 cc passed KM Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 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		pentafluorobenzene	1.000	1.000	0.0	111	0.00
2		dichlorodifluoromethane	0.609	0.586	3.8	103	0.00
3		chlorodifluoromethane	0.770	0.694	9.9	97	0.00
4		chloromethane	0.679	0.692	-1.9	112	0.00
5		vinyl chloride	0.725	0.714	1.5	111	0.00
6		bromomethane	0.333	0.359	-7.8	127	0.00
7		chloroethane	0.424	0.448	-5.7	114	0.00
8		trichlorofluoromethane	0.852	0.848	0.5	112	0.00
9		freon	0.421	0.421	0.0	111	0.00
10		acetone	0.036	0.039	-8.3	122	0.00
11		1,1-dichloroethene	0.432	0.455	-5.3	117	0.00
12		methylene chloride	0.653	0.589	9.8	111	0.00
13		carbon disulfide	1.691	1.755	-3.8	116	0.00
14		tert-butylmethylether	1.222	1.234	-1.0	115	0.00
15		trans-1,2-dichloroethene	0.492	0.506	-2.8	117	0.00
16		vinyl acetate	1.144	1.147	-0.3	116	0.00
17		1,1-dichloroethane	0.934	0.943	-1.0	114	0.00
18		methyl ethyl ketone	0.048	0.049	-2.1	120	0.00
19		2,2-dichloropropane	0.609	0.621	-2.0	118	0.00
20		cis-1,2-dichloroethene	0.559	0.570	-2.0	114	0.00
21		chloroform	0.969	0.970	-0.1	111	0.00
22		bromochloromethane	0.272	0.282	-3.7	111	0.00
23		1,1,1-trichloroethane	0.745	0.735	1.3	112	0.00
24		1,4-difluorobenzene	1.000	1.000	0.0	111	0.00
25		1,1-dichloropropene	0.461	0.456	1.1	112	0.00
26		carbon tetrachloride	0.444	0.448	-0.9	115	0.00
27	s	1,2-dichloroethane-d4	0.069	0.070	-1.4	113	0.00
28		1,2-dichloroethane	0.442	0.434	1.8	105	0.00
29		benzene	1.413	1.423	-0.7	114	0.00
30		trichloroethene	0.350	0.358	-2.3	112	0.00
31		1,2-dichloropropane	0.351	0.358	-2.0	117	0.00
32		bromodichloromethane	0.472	0.478	-1.3	116	0.00
33		dibromomethane	0.189	0.197	-4.2	118	0.00
34		2-chloroethylvinylether	0.150	0.160	-6.7	120	0.00
35		4-methyl-2-pentanone	0.312	0.318	-1.9	116	0.00
36		cis-1,3-dichloropropene	0.489	0.486	0.6	118	0.00
37	s	toluene-d8	1.208	1.180	2.3	109	0.00
38		toluene	1.535	1.532	0.2	114	0.00
39		trans-1,3-dichloropropene	0.393	0.420	-6.9	120	0.00
40		1,1,2-trichloroethane	0.226	0.235	-4.0	122	0.00
41	s	4-bromofluorobenzene	0.362	0.357	1.4	112	0.00
42		chlorobenzene-d5	1.000	1.000	0.0	111	0.00
43		2-hexanone	0.442	0.474	-7.2	117	0.00
44		1,3-dichloropropane	1.054	1.102	-4.6	113	0.00
45		tetrachloroethene	0.718	0.820	-14.2	125	0.00
46		dibromochloromethane	0.699	0.772	-10.4	123	0.00
47		1,2-dibromoethane	0.572	0.614	-7.3	117	0.00
48		chlorobenzene	1.937	2.154	-11.2	123	0.00
49		1,1,1,2-tetrachloroethane	0.662	0.702	-6.0	115	0.00
50		ethylbenzene	3.313	3.551	-7.2	118	0.00
51		m+p xylene	1.295	1.399	-8.0	122	0.00
52		o-xylene	1.286	1.404	-9.2	119	0.00
53		styrene	2.056	2.202	-7.1	118	0.00
54		bromoform	0.411	0.447	-8.8	125	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120905.D Vial: 5
Acq On : 12 Jan 2009 11:49 am Operator:
Sample : soil stnd 20ug/Kg Inst : GCMSV4
Misc : KM011209 cc passed KM Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 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)
56	isopropylbenzene	2.889	3.044	-5.4	121	0.00
57	1,1,2,2-tetrachloroethane	0.633	0.663	-4.7	114	0.00
58	1,2,3-trichloropropane	0.462	0.498	-7.8	120	0.00
59	n-propylbenzene	3.257	3.525	-8.2	124	0.00
60	bromobenzene	0.722	0.769	-6.5	123	0.00
61	p-ethyltoluene	2.987	3.230	-8.1	125	0.00
62	1,3,5-trimethylbenzene	1.168	1.280	-9.6	126	0.00
63	2-chlorotoluene	0.693	0.737	-6.3	120	0.00
64	4-chlorotoluene	0.723	0.791	-9.4	122	0.00
65	tert-butylbenzene	0.526	0.557	-5.9	121	0.00
66	1,2,4-trimethylbenzene	2.359	2.544	-7.8	124	0.00
67	sec-butylbenzene	3.054	3.306	-8.3	122	0.00
68	4-isopropyltoluene	2.555	2.828	-10.7	127	0.00
69	1,3-dichlorobenzene	1.405	1.552	-10.5	120	0.00
70	1,4-dichlorobenzene	1.429	1.599	-11.9	126	0.00
71	1,2,3-trimethylbenzene	2.374	2.486	-4.7	121	0.00
72	n-butylbenzene	1.259	1.448	-15.0	136	0.00
73	p-diethylbenzene	1.481	1.631	-10.1	130	0.00
74	1,2-dichlorobenzene	1.332	1.463	-9.8	123	0.00
75	1,2,4,5-tetramethylbenzene	2.760	2.988	-8.3	130	0.00
76	1,2-dibromo-3-chloropropane	0.114	0.124	-8.8	123	0.00
77	1,2,4-trichlorobenzene	0.704	0.811	-15.2	142	0.00
78	hexachlorobutadiene	0.370	0.437	-18.1	139	0.00
79	naphthalene	1.402	1.474	-5.1	133	0.00
80	1,2,3-trichlorobenzene	0.593	0.664	-12.0	140	0.00

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120905.D Vial: 5
Acq On : 12 Jan 2009 11:49 am Operator:
Sample : soil stnd 20ug/Kg Inst : GCMSV4
Misc : KM011209 cc passed KM Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 12 12:02:59 2009 Quant Results File: VS010909.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) pentafluorobenzene	3.39	168	3780823	50.00 ug/L	0.00
24) 1,4-difluorobenzene	3.93	114	5454631	50.00 ug/L	0.00
42) chlorobenzene-d5	6.21	82	2490755	50.00 ug/L	0.00
55) 1,4-dichlorobenzene-d4	8.14	152	2855228	50.00 ug/L	0.00
System Monitoring Compounds					
27) 1,2-dichloroethane-d4	3.39	102	384100	51.36 ug/L	0.00
37) toluene-d8	5.18	98	6436295	48.84 ug/L	0.00
41) 4-bromofluorobenzene	7.14	174	1948405	49.33 ug/L	0.00
Target Compounds					Qvalue
2) dichlorodifluoromethane	1.20	85	886196	20.21 ug/L	99
3) chlorodifluoromethane	1.17	51	1050229	18.13 ug/L	98
4) chloromethane	1.27	50	1045951	21.34 ug/L #	98
5) vinyl chloride	1.33	62	1079528	20.13 ug/L	100
6) bromomethane	1.48	96	543588	22.77 ug/L	96
7) chloroethane	1.53	64	677449	22.03 ug/L	95
8) trichlorofluoromethane	1.77	101	1282793	20.95 ug/L	96
9) freon	2.12	151	636295	20.84 ug/L	97
10) acetone	1.81	58	294881	113.25 ug/L	97
11) 1,1-dichloroethene	2.01	96	688122	21.95 ug/L	95
12) methylene chloride	2.09	84	890115	19.54 ug/L	94
13) carbon disulfide	2.20	76	2654237	21.66 ug/L	100
14) tert-butylmethylether	2.50	73	1866813	21.08 ug/L	99
15) trans-1,2-dichloroethene	2.44	96	765336	21.48 ug/L	99
16) vinyl acetate	2.66	43	8672177	103.95 ug/L	100
17) 1,1-dichloroethane	2.57	63	1426309	21.05 ug/L	98
18) methyl ethyl ketone	2.82	72	372998	107.99 ug/L	96
19) 2,2-dichloropropane	3.08	77	939128	21.31 ug/L	96
20) cis-1,2-dichloroethene	2.91	96	862216	21.03 ug/L	95
21) chloroform	3.03	83	1467613	21.01 ug/L	100
22) bromochloromethane	3.00	128	426116	21.31 ug/L	92
23) 1,1,1-trichloroethane	3.50	97	1111864	20.36 ug/L #	82
25) 1,1-dichloropropene	3.62	75	994185	20.72 ug/L	95
26) carbon tetrachloride	3.73	119	978240	21.14 ug/L	98
28) 1,2-dichloroethane	3.43	62	946824m	20.80 ug/L	
29) benzene	3.76	78	3104362	21.22 ug/L	99
30) trichloroethene	4.19	95	780206	21.42 ug/L	99
31) 1,2-dichloropropane	4.16	63	781423	21.10 ug/L	98
32) bromodichloromethane	4.22	83	1043058	21.01 ug/L #	97
33) dibromomethane	4.13	93	430878	21.74 ug/L	93
34) 2-chloroethylvinylether	4.54	63	350099	21.43 ug/L	96
35) 4-methyl-2-pentanone	4.77	43	3468330	107.86 ug/L	96
36) cis-1,3-dichloropropene	4.67	75	1060356	20.73 ug/L #	96
38) toluene	5.22	91	3342452	21.29 ug/L	99
39) trans-1,3-dichloropropene	4.99	75	915925	21.38 ug/L	97
40) 1,1,2-trichloroethane	5.08	83	511977	21.56 ug/L	96
43) 2-hexanone	5.40	43	2362165	107.17 ug/L	99
44) 1,3-dichloropropane	5.26	76	1097753	20.95 ug/L	100
45) tetrachloroethene	5.75	166	817448	22.52 ug/L	94
46) dibromochloromethane	5.44	129	768993	21.77 ug/L	97
47) 1,2-dibromoethane	5.61	107	611981	21.20 ug/L #	95
48) chlorobenzene	6.24	112	2146085	22.18 ug/L	95
49) 1,1,1,2-tetrachloroethane	6.19	131	699000	21.09 ug/L #	1
50) ethylbenzene	6.40	91	3538172	21.46 ug/L	98
51) m+p xylene	6.55	106	2788087	44.18 ug/l	94
52) o-xylene	6.85	106	1399198	21.66 ug/L	100
53) styrene	6.79	104	2193542	21.11 ug/L	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120905.D Vial: 5
Acq On : 12 Jan 2009 11:49 am Operator:
Sample : soil stnd 20ug/Kg Inst : GCMSV4
Misc : KM011209 cc passed KM Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 12 12:02:59 2009 Quant Results File: VS010909.RES

Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
54) bromoform	6.60	173	445243	21.47 ug/L	96
56) isopropylbenzene	7.13	105	3476227	22.06 ug/L	98
57) 1,1,2,2-tetrachloroethane	6.83	83	756643	21.62 ug/L	95
58) 1,2,3-trichloropropane	6.94	75	568217	22.24 ug/L	98
59) n-propylbenzene	7.46	91	4025891	22.52 ug/L	98
60) bromobenzene	7.29	156	877840	21.94 ug/L	90
61) p-ethyltoluene	7.59	105	3688924	22.98 ug/L	98
62) 1,3,5-trimethylbenzene	7.70	120	1461799	22.54 ug/L	99
63) 2-chlorotoluene	7.52	126	841582	22.01 ug/L	91
64) 4-chlorotoluene	7.58	126	903451	22.72 ug/L	80
65) tert-butylbenzene	7.90	134	636428	21.93 ug/L	91
66) 1,2,4-trimethylbenzene	7.99	105	2904919	22.39 ug/L	97
67) sec-butylbenzene	8.07	105	3775215	22.41 ug/L	99
68) 4-isopropyltoluene	8.22	119	3229778	23.10 ug/L	98
69) 1,3-dichlorobenzene	8.10	146	1772469	22.76 ug/L	98
70) 1,4-dichlorobenzene	8.15	146	1825715	23.32 ug/L	98
71) 1,2,3-trimethylbenzene	8.31	105	2839000	21.57 ug/L	99
72) n-butylbenzene	8.53	92	1654186	24.66 ug/L #	83
73) p-diethylbenzene	8.52	119	1862877	23.39 ug/L	95
74) 1,2-dichlorobenzene	8.42	146	1671156	22.65 ug/L	99
75) 1,2,4,5-tetramethylbenzene	9.26	119	3412744	22.92 ug/L	97
76) 1,2-dibromo-3-chloropropan	8.78	157	141452	22.46 ug/L	93
77) 1,2,4-trichlorobenzene	9.85	180	926108	25.10 ug/L	98
78) hexachlorobutadiene	10.10	225	499445	24.86 ug/L	98
79) naphthalene	10.03	128	1682991	22.72 ug/L	97
80) 1,2,3-trichlorobenzene	10.19	180	758482	24.21 ug/L	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed
01120905.D VS010909.M Wed Jan 14 17:45:55 2009 GCMSV4

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120905.D Vial: 5
Acq On : 12 Jan 2009 11:49 am Operator:
Sample : soil stnd 20ug/Kg Inst : GCMSV4
Misc : KM011209 cc passed KM Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 13 11:25:02 2009 Quant Results File: VS010909A.RES

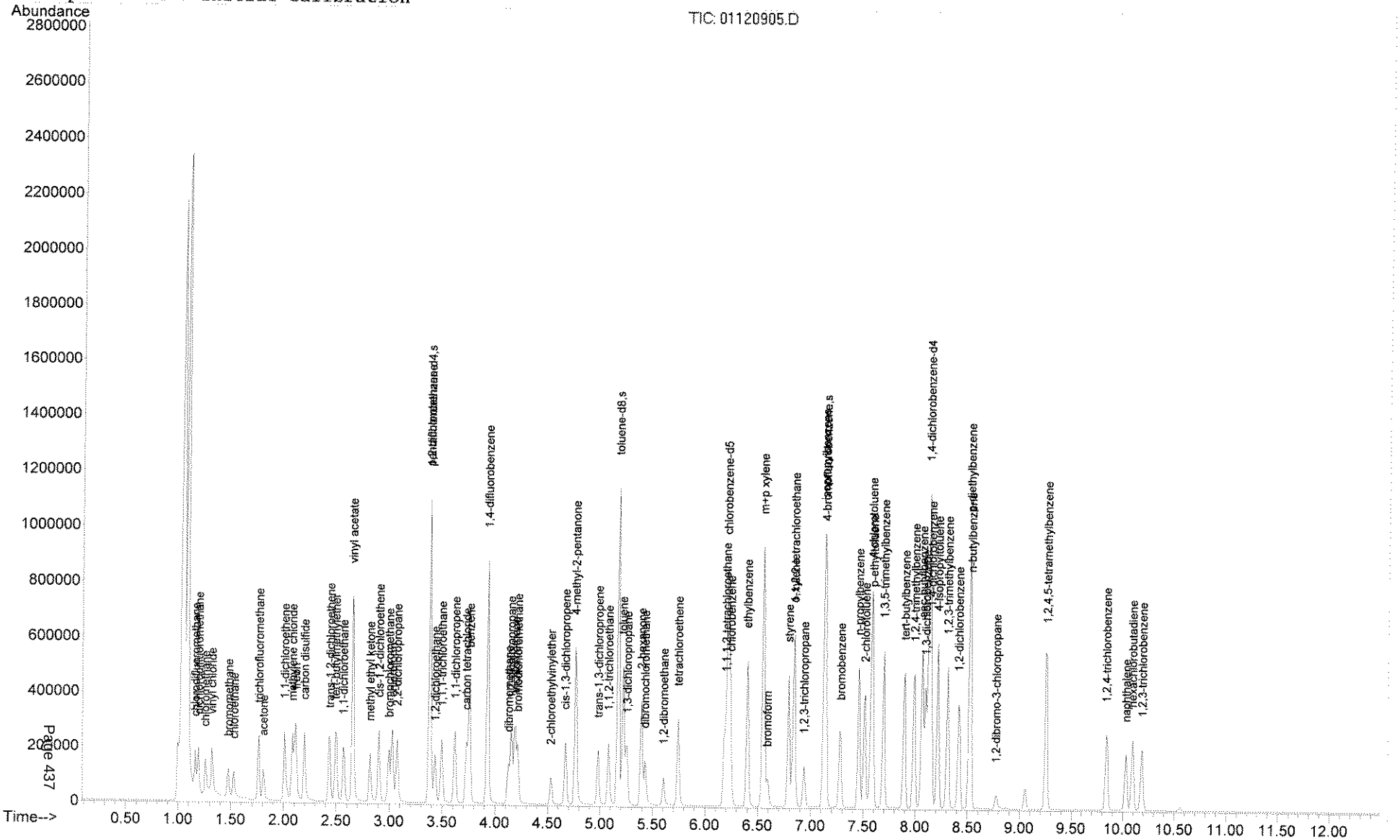
Quant Method : C:\MSDCHEM\1\METHODS\VS010909A.M (Chemstation Integrator)
Title :
Last Update : Tue Jan 13 11:21:35 2009
Response via : Initial Calibration
DataAcq Meth : VOAN182

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) pentafluorobenzene	3.39	168	3780823	50.00	ug/L	0.00
3) 1,4-difluorobenzene	3.93	114	5454631	50.00	ug/L	0.00
7) chlorobenzene-d5	6.21	82	2490755	50.00	ug/L	0.00
8) 1,4-dichlorobenzene-d4	8.14	152	2855228	50.00	ug/L	0.00
System Monitoring Compounds						
4) 1,2-dichloroethane-d4	3.39	102	384152	51.32	ug/L	0.00
5) toluene-d8	5.18	98	6436295	49.50	ug/L	0.00
6) 4-bromofluorobenzene	7.14	174	1948405	53.18	ug/L	0.00
Target Compounds						Qvalue
2) methylene chloride	2.09	84	890115	18.14	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed
01120905.D VS010909A.M Wed Jan 14 17:45:47 2009 GCMSV4

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120905.D Vial: 5
Acq On : 12 Jan 2009 11:49 am Operator:
Sample : soil stnd 20ug/Kg Inst : GCMSV4
Misc : KM011209 cc passed KM Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jan 12 12:03 2009 Quant Results File: VS010909.RES

Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 12 10:09:05 2009
Response via : Initial Calibration



Tentatively Identified Compounds

Summary Reports
Spectra

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
290082.01

Lab Name: ECOTEST LABS Contract: _____

Project No _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) Soil Lab Sample ID: 290082.01

Sample wt/vol: 1.0 (g/mL) g Lab File ID: 01120917.D

Level: (low/med) Low Date Received: 1/8/09

% Solid: _____ Date Analyzed: 1/12/09

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	No TIC's found.			
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T- Target compound.

FORM I VOA-TIC

3/90

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
290082.02

Lab Name: ECOTEST LABS Contract: _____

Project No _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) Soil Lab Sample ID: 290082.02

Sample wt/vol: 1.0 (g/mL) g Lab File ID: 01120918.D

Level: (low/med) Low Date Received: 1/8/09

% Solid: _____ Date Analyzed: 1/12/09

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	No TIC's found.			
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T- Target compound.

FORM I VOA-TIC

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
290082.03

Lab Name: ECOTEST LABS Contract: _____

Project No _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) Soil Lab Sample ID: 290082.03

Sample wt/vol: 1.0 (g/mL) g Lab File ID: 01120919.D

Level: (low/med) Low Date Received: 1/8/09

% Solid: _____ Date Analyzed: 1/12/09

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	No TIC's found.			
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T- Target compound.

FORM I VOA-TIC

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
290082.04

Lab Name: ECOTEST LABS Contract: _____

Project No _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) Soil Lab Sample ID: 290082.04

Sample wt/vol: 1.0 (g/mL) g Lab File ID: 01120920.D

Level: (low/med) Low Date Received: 1/8/09

% Solid: _____ Date Analyzed: 1/12/09

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	No TIC's found.			
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T- Target compound.

FORM I VOA-TIC

3/90

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
290082.05

Lab Name: ECOTEST LABS Contract: _____

Project No _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) Soil Lab Sample ID: 290082.05

Sample wt/vol: 1.0 (g/mL) g Lab File ID: 01120921.D

Level: (low/med) Low Date Received: 1/8/09

% Solid: _____ Date Analyzed: 1/12/09

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	No TIC's found.			
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T- Target compound.

FORM I VOA-TIC

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
290082.06

Lab Name: ECOTEST LABS Contract:

Project No Site: Location: Group:

Matrix: (soil/water) Soil Lab Sample ID: 290082.06

Sample wt/vol: 1.0 (g/mL) g Lab File ID: 01120922.D

Level: (low/med) Low Date Received: 1/8/09

% Solid: Date Analyzed: 1/12/09

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5

Soil Extract Volume: (mL) Soil Aliquot Volume: (uL)

Number TICs found: 0

Concentration Units:
(ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	No TIC's found.			
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T- Target compound.

FORM I VOA-TIC

3/90

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
290082.07

Lab Name: ECOTEST LABS Contract: _____

Project No _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) Soil Lab Sample ID: 290082.07

Sample wt/vol: 1.0 (g/mL) g Lab File ID: 01120923.D

Level: (low/med) Low Date Received: 1/8/09

% Solid: _____ Date Analyzed: 1/12/09

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	No TIC's found.			
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T- Target compound.

FORM I VOA-TIC

3/90

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
290082.08

Lab Name: ECOTEST LABS Contract: _____

Project No _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) Soil Lab Sample ID: 290082.08

Sample wt/vol: 1.0 (g/mL) g Lab File ID: 01120924.D

Level: (low/med) Low Date Received: 1/8/09

% Solid: _____ Date Analyzed: 1/12/09

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 7 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 526-73-8	Benzene 1,2,3 trimethyl-	8.31	9	T
2. 527-84-4	Benzene, 1-methyl-2-(1-methy	8.77	25	J
3. 535-77-3	Benzene, 1-methyl-3-(1-methy	8.86	16	J
4. 2049-95-8	Benzene, (1,1-dimethylpropyl)	8.96	15	J
5. 824-22-6	1H-Indene, 2,3-dihydro-4-meth	9.56	15	J
6. 934-74-7	Benzene, 1-ethyl-3,5-dimethyl	9.62	17	J
7. 1075-38-3	Benzene, 1-(1,1-dimethylethyl	9.93	21	J
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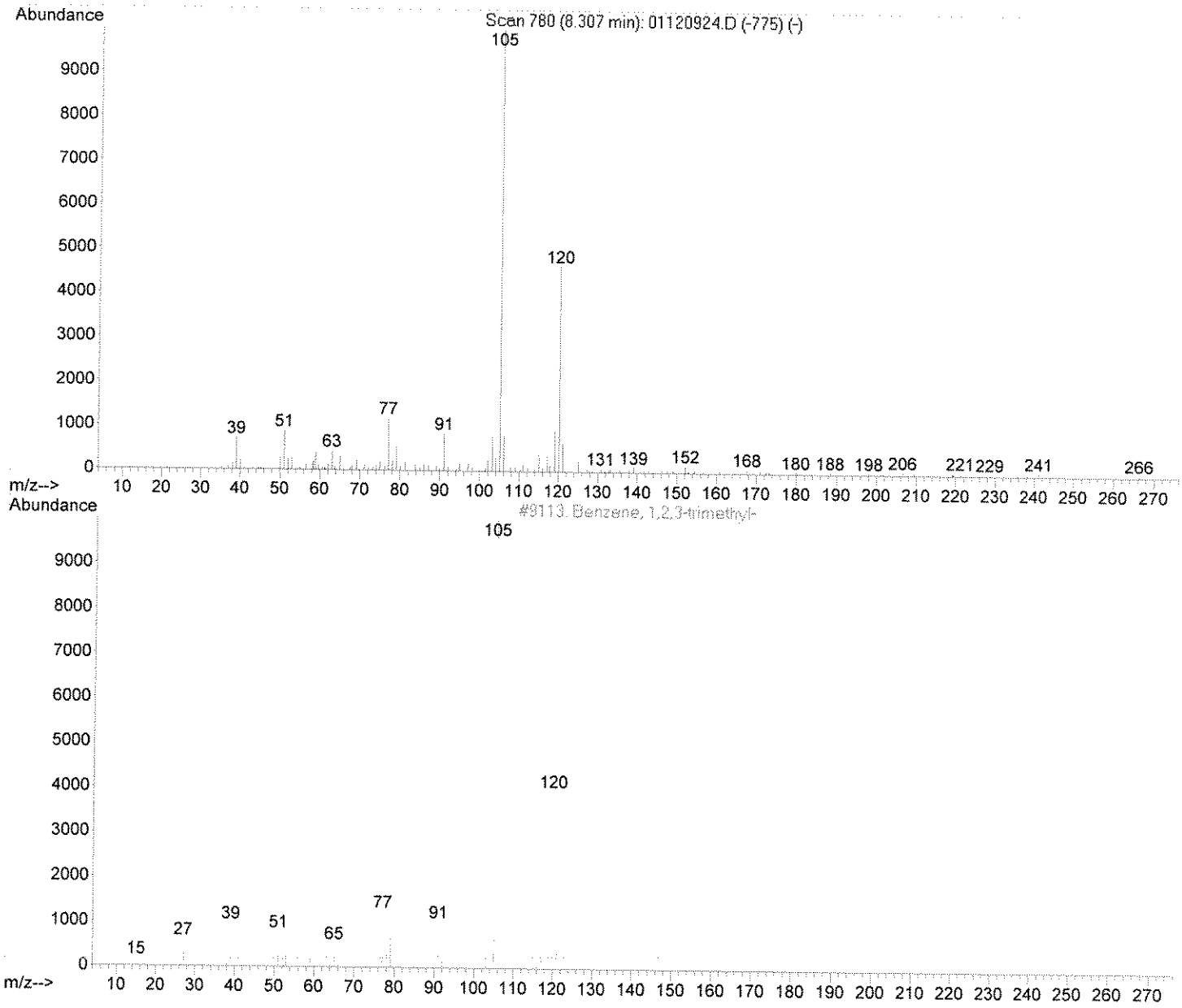
T- Target compound.

FORM I VOA-TIC

3/90

Library Searched : C:\Database\Nist02.1
Quality : 90
ID : Benzene, 1,2,3-trimethyl-



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120924.D Vial: 24
Acq On : 12 Jan 2009 7:15 pm Operator:
Sample : 290082.08 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

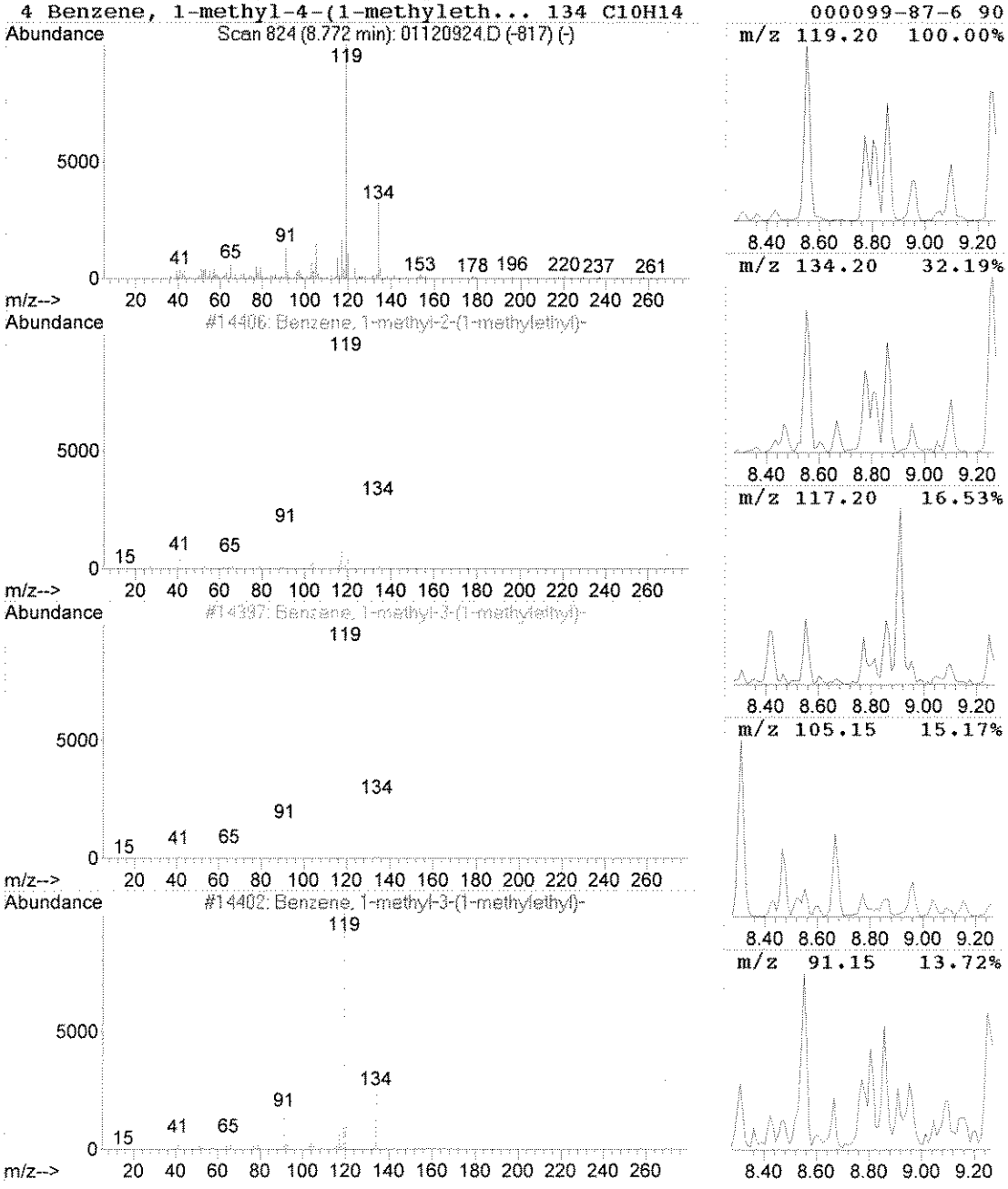
Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Library : C:\DATABASE\Nist02.l

****

Peak Number 4 Benzene, 1-methyl-2-(1-meth... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.77	5.02 ug/L	1013370	1,4-dichlorobenzene-d4	8.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	93
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90
4	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	90



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120924.D Vial: 24
Acq On : 12 Jan 2009 7:15 pm Operator:
Sample : 290082.08 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

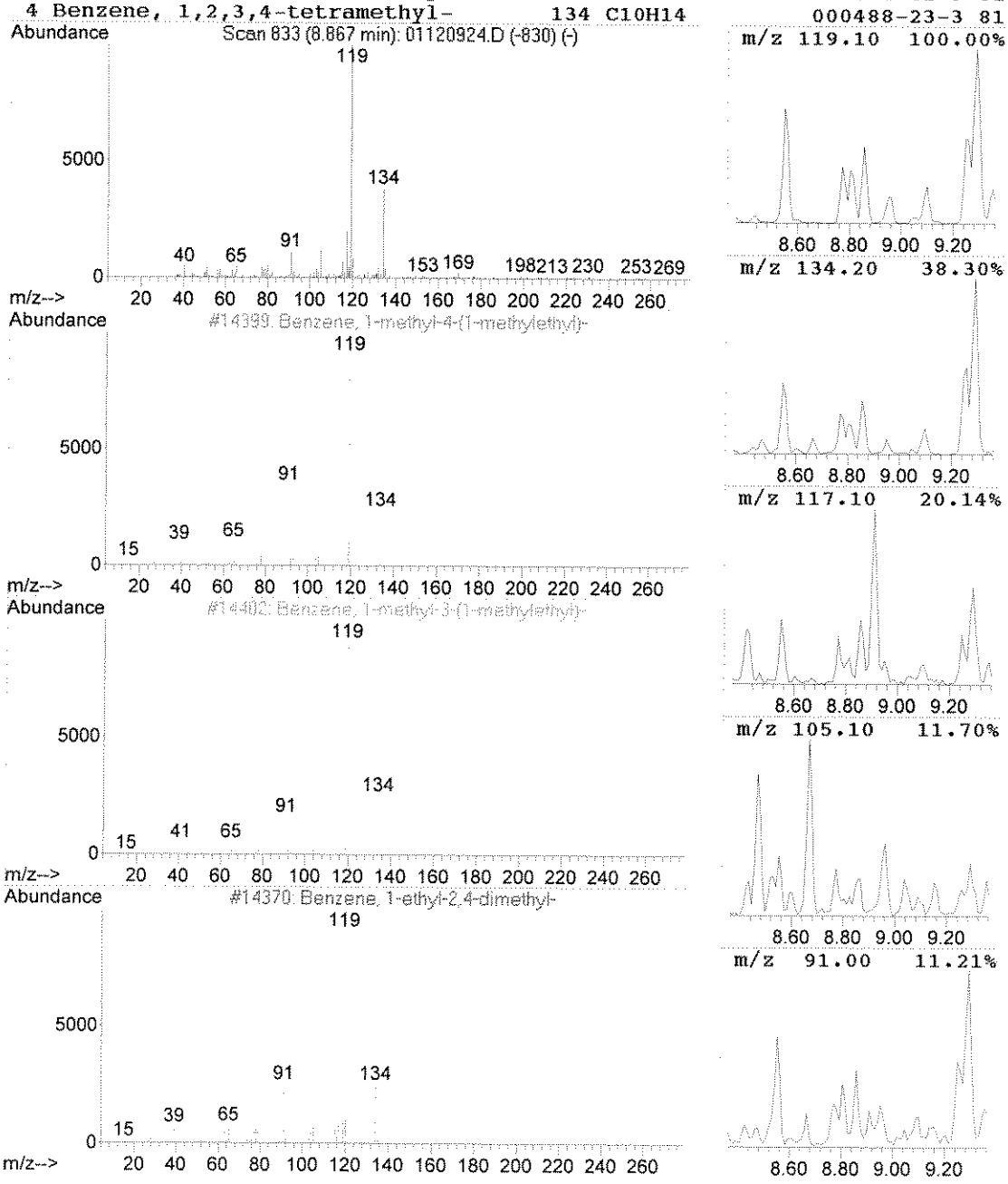
Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Library : C:\DATABASE\Nist02.l

****

Peak Number 5 Benzene, 1-methyl-4-(1-meth... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.86	3.24 ug/L	654139	1,4-dichlorobenzene-d4	8.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	87
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	81
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	81
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	81



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120924.D Vial: 24
Acq On : 12 Jan 2009 7:15 pm Operator:
Sample : 290082.08 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

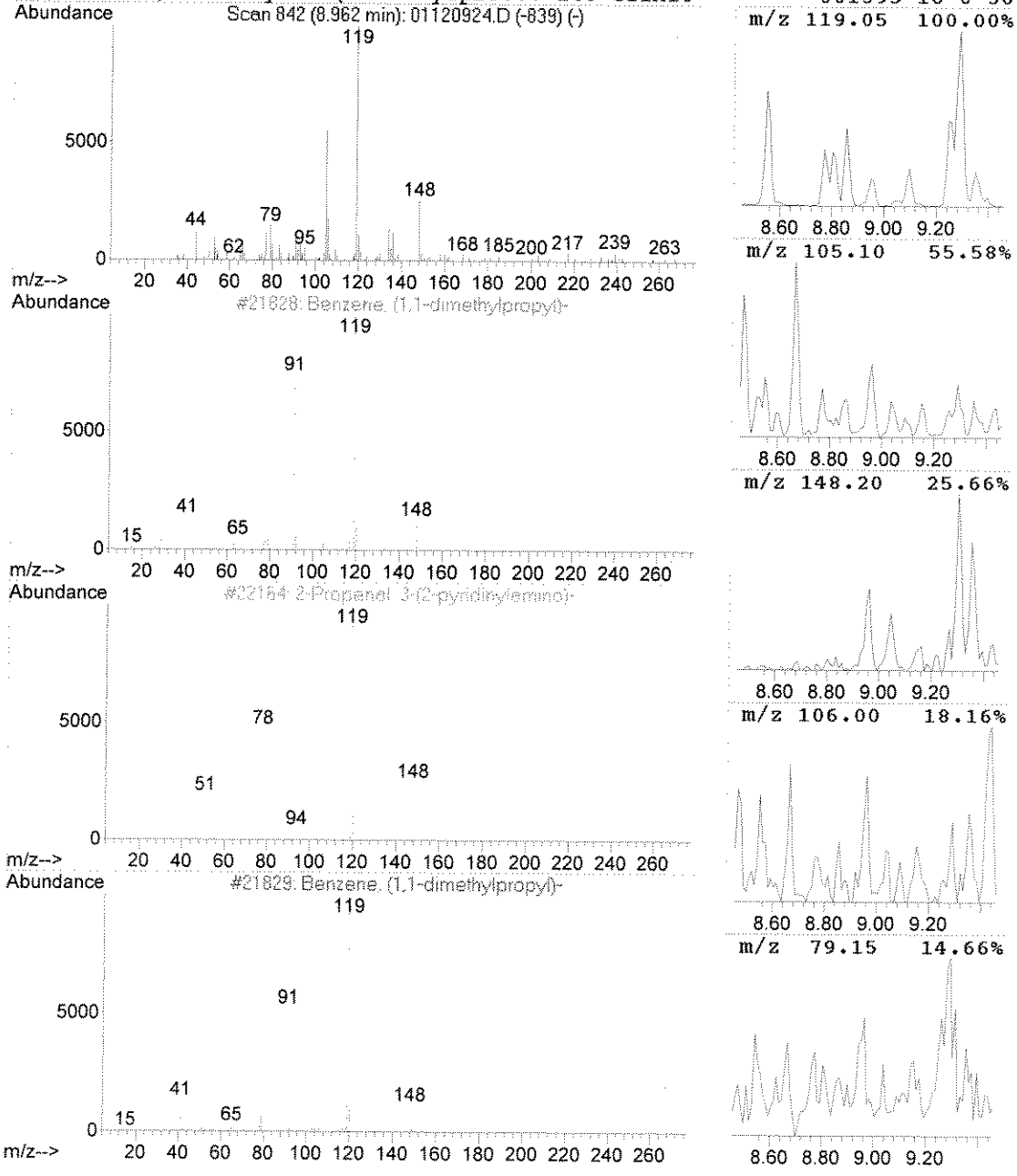
Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Library : C:\DATABASE\Nist02.1

****

Peak Number 6 Benzene, (1,1-dimethylpropyl)- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.96	2.92 ug/L	589949	1,4-dichlorobenzene-d4	8.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	58
2	2-Propenal, 3-(2-pyridinylamino)-	148	C8H8N2O	068970-82-1	58
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	58
4	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	58



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120924.D Vial: 24
Acq On : 12 Jan 2009 7:15 pm Operator:
Sample : 290082.08 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

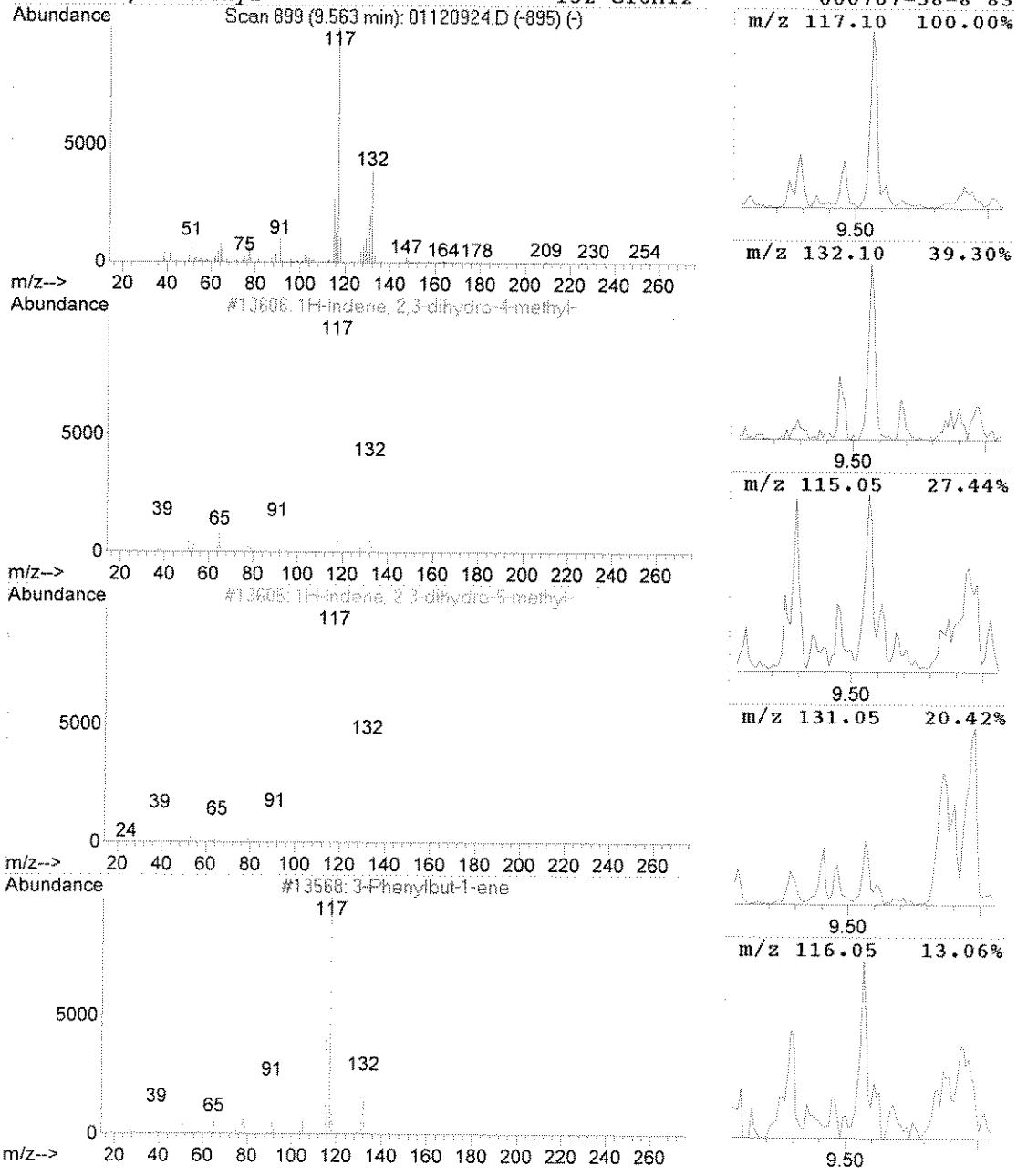
Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Library : C:\DATABASE\Nist02.1

****

Peak Number 9 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	3.03 ug/L	611308	1,4-dichlorobenzene-d4	8.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
4	Indan, 1-methyl-	132	C10H12	000767-58-8	83



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120924.D Vial: 24
Acq On : 12 Jan 2009 7:15 pm Operator:
Sample : 290082.08 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

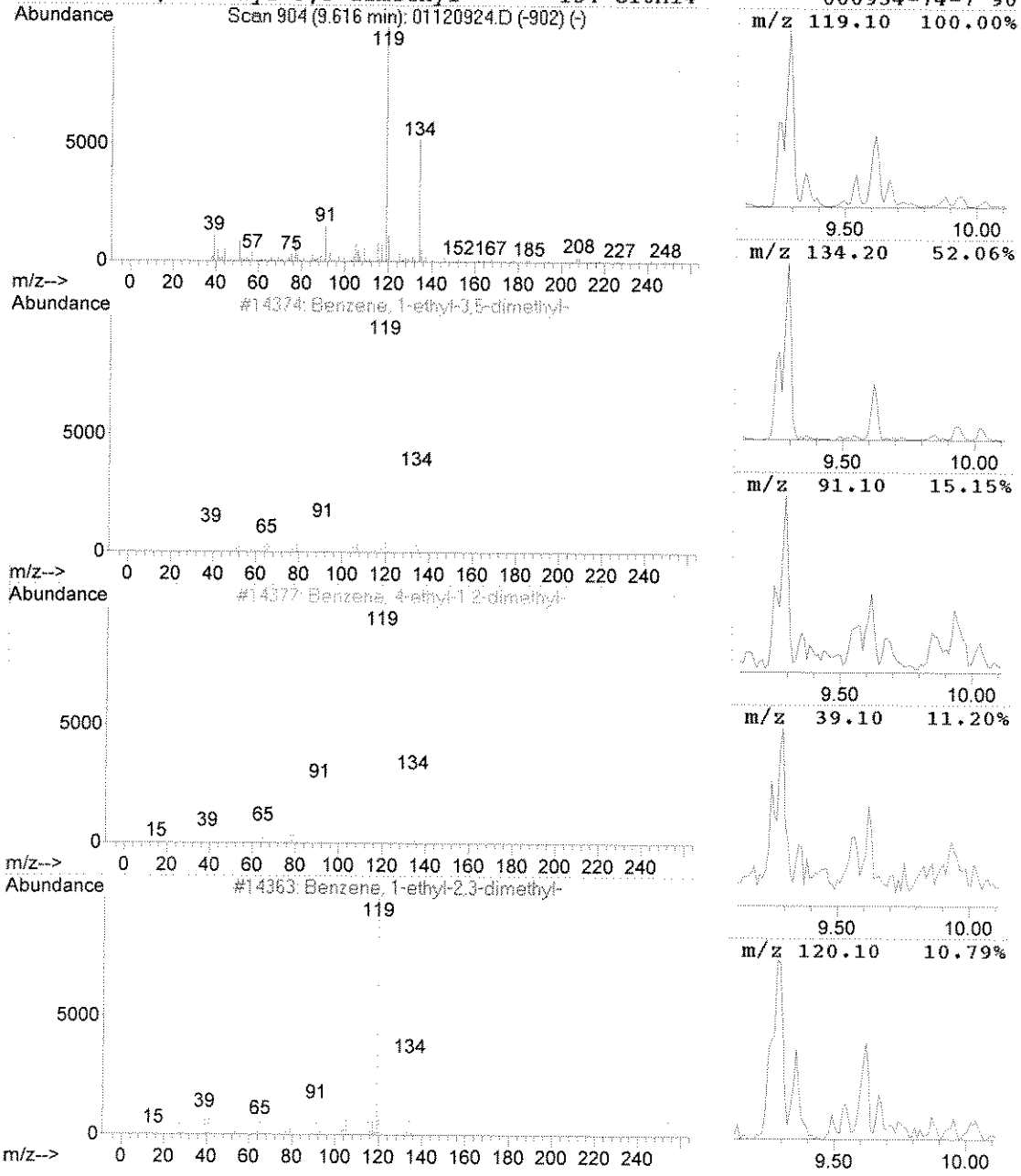
Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Library : C:\DATABASE\Nist02.1

****

Peak Number 10 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.62	3.44 ug/L	694883	1,4-dichlorobenzene-d4	8.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	90
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120924.D Vial: 24
Acq On : 12 Jan 2009 7:15 pm Operator:
Sample : 290082.08 1g Inst : GCMSV4
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

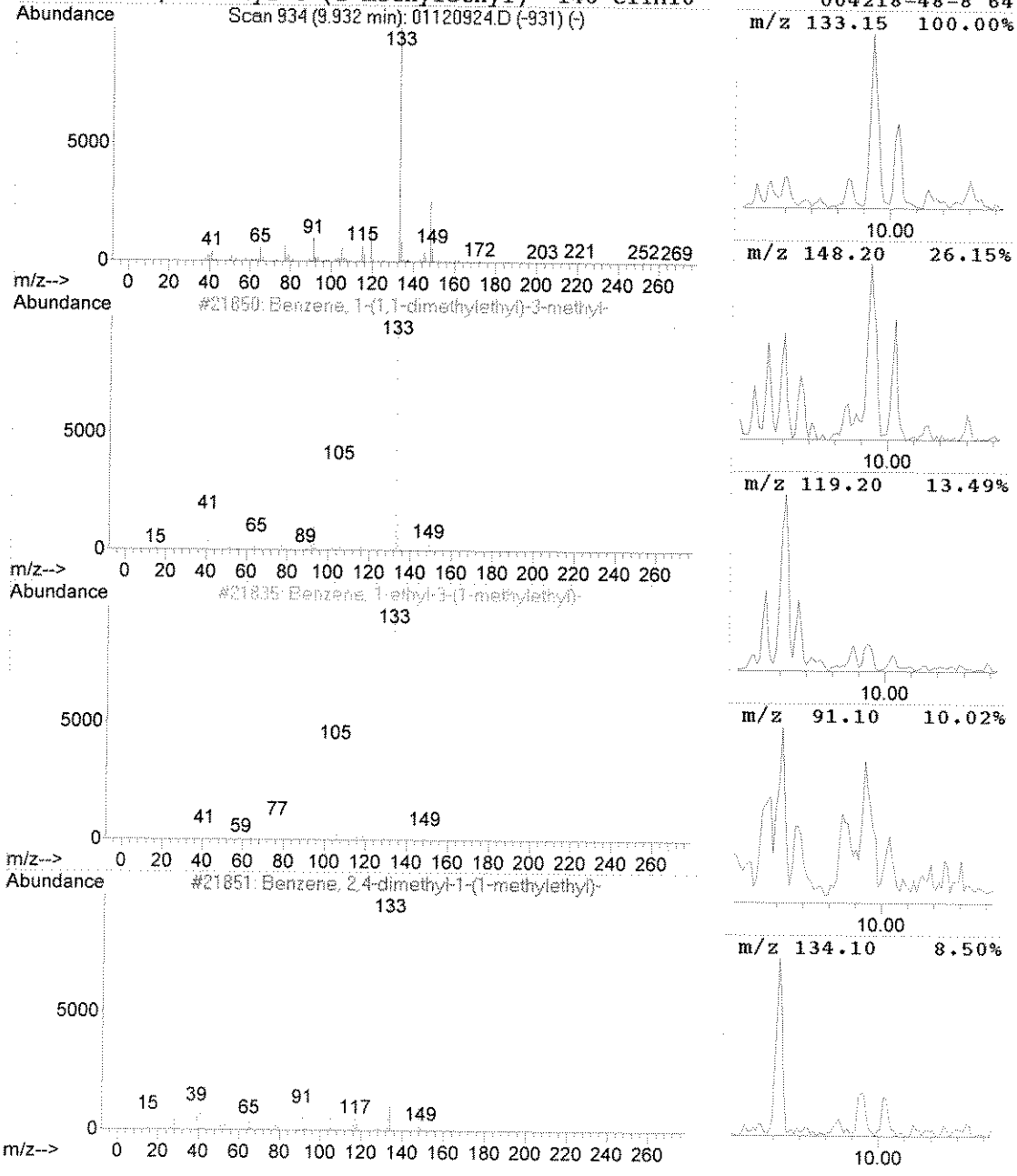
Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)
Title :
Library : C:\DATABASE\Nist02.1

****

Peak Number 11 Benzene, 1-(1,1-dimethyleth... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.93	4.18 ug/L	844497	1,4-dichlorobenzene-d4	8.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	72
2	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	72
3	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	64
4	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	64



1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
290082.09

Lab Name: ECOTEST LABS Contract: _____

Project No _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) Soil Lab Sample ID: 290082.09

Sample wt/vol: 1.0 (g/mL) g Lab File ID: 01120925.D

Level: (low/med) Low Date Received: 1/8/09

% Solid: _____ Date Analyzed: 1/12/09

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	No TIC's found.			
2.				
3.				
4.				
5.				
6.				
7.				
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27.				
28.				
29.				
30.				

T- Target compound.

FORM I VOA-TIC

3/90