

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



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.

a Sporn a

Signature, Registered Professional Engineer

Dean Devoe

Printed Name, Registered Professional Engineer



22 DAK STREET • BAY SHORE, NY 11706 • TEL: (631) 206-3700 • FAX: (631) 206-3729

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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
рН	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.
- 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 fieldscreened 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 teflonlined 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 postexcavation soil samples were collected with their PID readings included:

Sample ID	Location	Depth, Feet	PID Readings, parts
		below grade	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/m³. 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/m³, 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 $(3,460 \text{ ug/m}^3)$, also suggests an off-site (upgradient) 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/m³), 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/m³) 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/m³) and 1,1-DCA (33.22 ug/m³) 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/m³) and an elevated concentration of 1,1,1-TCA (3,300 ug/m³) 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.

<u>R emediation Objectives</u>: 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.

<u>SVE Shutdown</u>: 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.

<u>Operations and Monitoring:</u> 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.

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

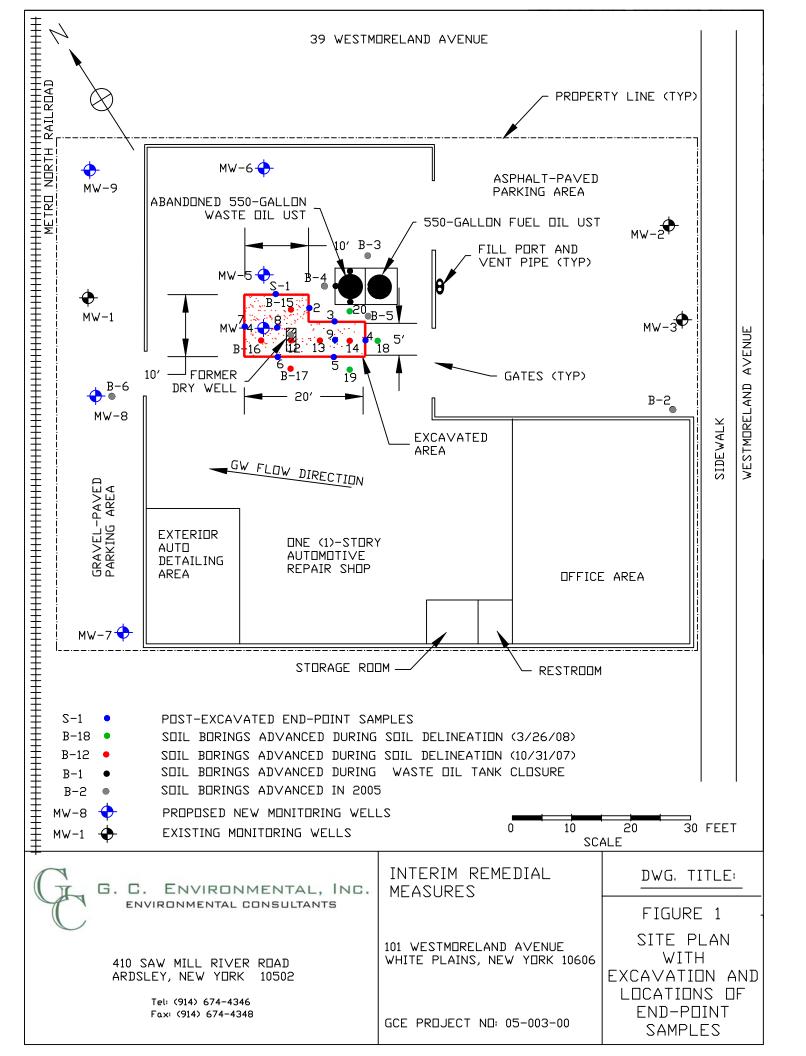
Procedures for monitoring, operating and maintaining the SVE system are provided in the Operation and Maintenance Plan of the Site Management Plan (SMP). The Monitoring Plan also addresses inspection procedures that must occur after any severe weather condition has taken place that may affect on-site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

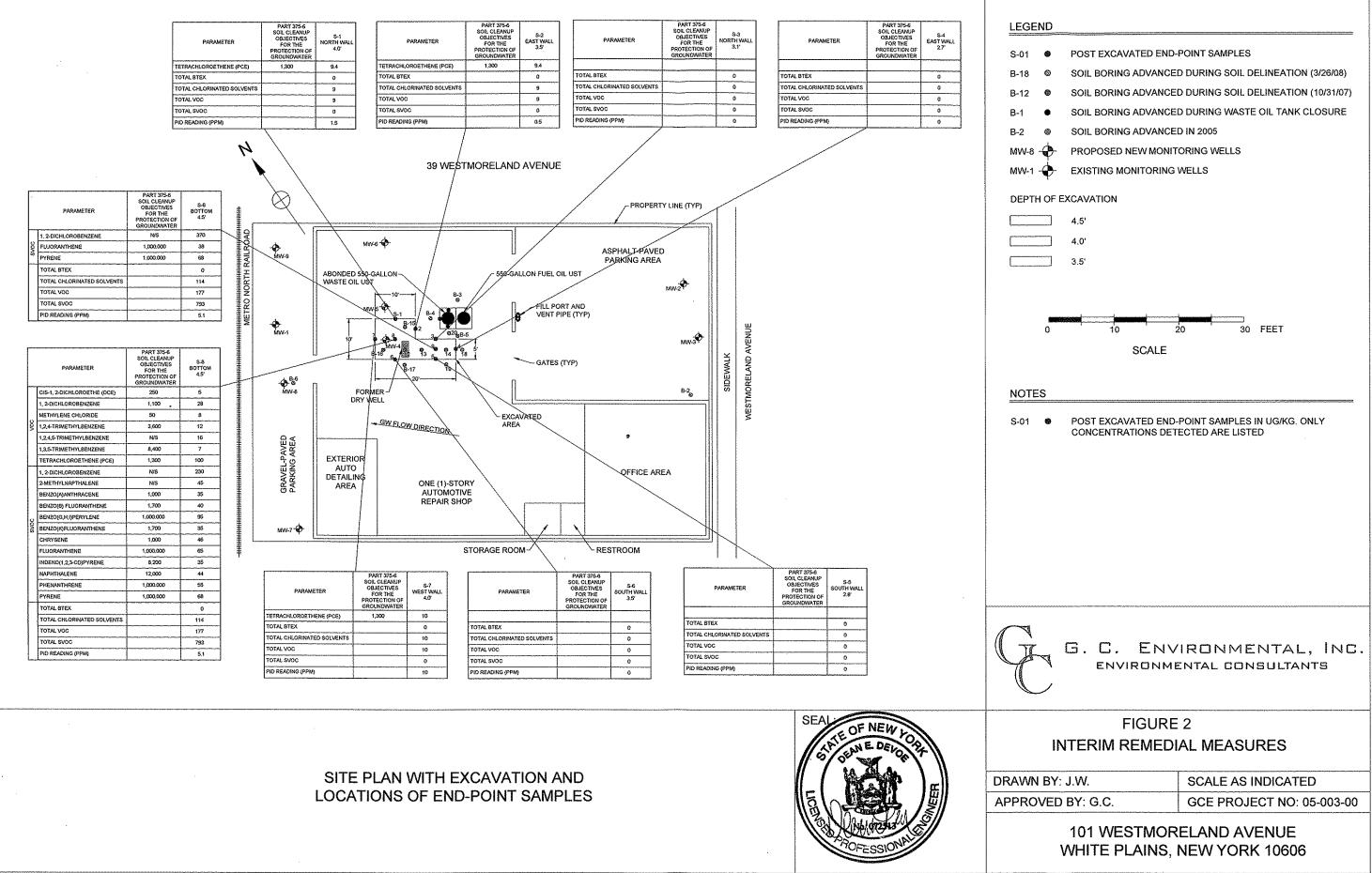
4.9 INSTITUTIONAL CONTROLS

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.





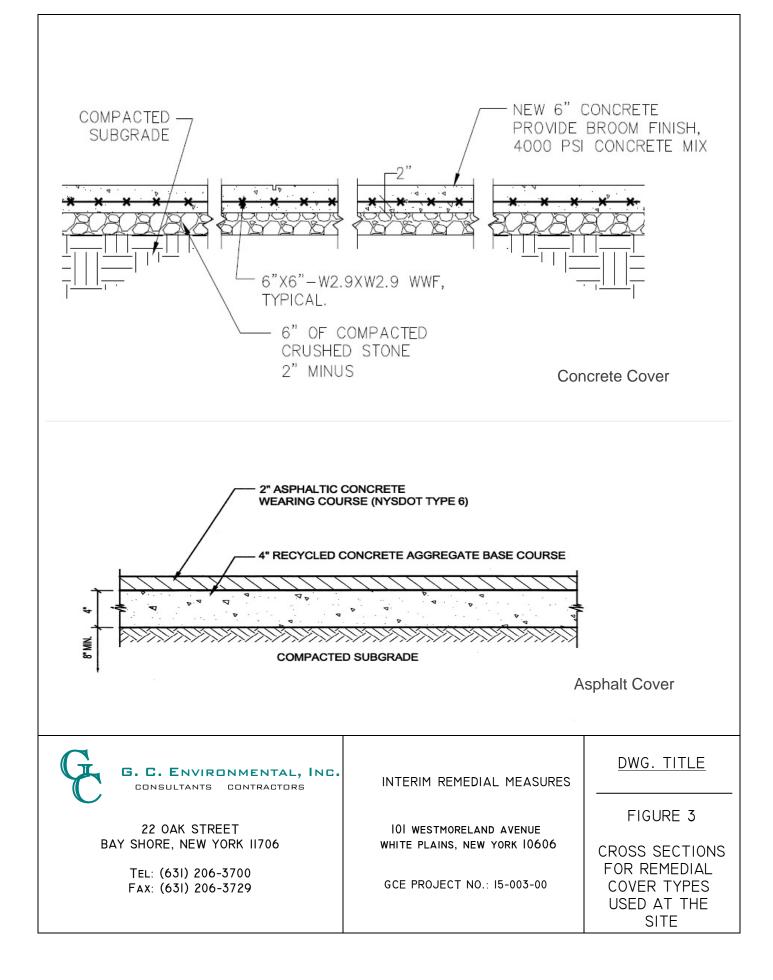


Table 1 Summary of Detected Compounds (Pre-Disposal Soil Sample - PDS-1) 101 Westmoreland Avenue, White Plains, NY GCE Project No. 05-003-00						
	Parameter	Disposal Facility (Clean Earth of Carteret) Requirements	USEPA TCLP Hazardous	Concentrations (mg/Kg)		
			Levels (mg/L)	Soil PDS-1		
VOC	Tetrachloroethylene		1	0.01		
	Arsenic		5			
	Barium		100	0.938		
als	Cadmium		1			
TCLP Metals	Chromium		5			
CLPI	Lead		5	0.112		
1 D	Mercury		0.2			
	Selenium		1			
	Silver		5			
PCB	PCB 1260	n/s		0.03		
	Ignitability			Passed		
	Corrosivity					
	Reactivity					
рН				8.45		
n/s	No Standards Compounds were non-detected or detected below their detection limit.					

	Summa	ary of Detecte	101 Westr	nds (IRM E noreland A		hite Plains		pling, 1/7/2	2009)		
Part 375-6			Concentrations (ug/Kg)								
	Parameter	Soil Cleanup Objectives for the Protection of Groundwater	S-1 north wall 4.0'	S-2 east wall 3.5'	S-3 north wall 3.1'	S-4	S-5	S-6 south wall 3.5'	S-7 west wall 4.0'	S-8 bottom 4.5'	S-9 bottom 3.5'
	cis-1,2-Dichloroethene (DCE	250								5	
	t-1,2-Dichloroethene (DCE)	190								0	
	1,2-Dichlorethane (DCA)	20									
	1,2-Dichlorobenzene	1,100								28	
	1,3-Dichlorobenzene	2,400								20	
	1,4-Dichlorobenzene	1,800									
	p-lsopropyltoluene	n/s									
	Methylene chloride	50								8	
	m/p-Xylenes	1,600								5	
o	Naphthalene	n/s									
VOC	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								12	
	1,3,5-Trimethylbenzene	8,400								7	
	Tetrachloroethene (PCE)	1,300	9.4	9.4					10	100	
	Toluene	700	3.4	3.4					10	100	
	1,2-Dichlorobenzene	n/s								230	370
	1,3-Dichlorobenzene	n/s								200	0/0
	1,4-Dichlorobenzene	n/s									
	1,2,4-Trichlorobenzene	n/s									
	2-Methylnapthalene	n/s								45	
	Acenaphthylene	107,000								-10	
	Acenaphinylene	1,000,000									
		1,000,000								35	
	Benzo(a)anthracene Benzo(a)pyrene	22,000								30	
	Benzo(b) fluoranthene	1,700								40	
		1,000,000								95	
SVOC	Benzo(g,h,i)perylene Benzo(k)fluoranthene	1,000,000								95 35	
S	Benzo(k)fluoranthene BenzylButylPhthalate	n/s								55	
		n/s									
	Bis(2-ethylhexyl)phthalate	n/s									
	Carbazole	1,000								46	
	Chrysene	n/s								40	
	Di-n-ButylPhthalate	1,000,000									
	Dibenzo(a,h)anthracene	1,000,000								65	38
	Fluoranthene	8,200									30
	Indeno(1,2,3-cd)pyrene	8,200								35 44	
	Naphthalene Rhapanthrana									44 55	
	Phenanthrene Puropo	1,000,000								55 68	E7
		1,000,000	0	0	0	0	0	0	0		57
	Total BTEX		0	0	0	0	0	0	0	0	0
	Total Chlorinated Solvents		9	9 9	0	0	0	0	10	114 177	0
	Total VOC		9					-	10		
	Total SVOC		0	0	0	0	0	0	0	793	465
	PID Readings (ppm)	n/s	1.5 No standa	0.5 rds	0.0	0.0	0.0	0.0	1.0	5.1	1.0

Compounds were analyzed, but were non-detected or detected below their detection limit.

Table 3							
PID and	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.
2 20150953 01707709 11:04 WM ORDER NO. Datwon 6/0	TILCON162 OLD MILL ROAD, WEST NYACK, NY 10994NEW YORK ORDERS800 TRAP ROC872-7762NEW JERSEY ORDERS800 789 ROCK789-7625
201 HAVERSTRAM. QUARRY CUSTOMER CODE CUSTOMER NAME 11 GC ENVIROMENTAL DELIVERYMETHOD ZONE CODE 1 Delivery 62136 Delivery DELIVERYADDRESS CAMX) (AMX) 101 Westmoreland Aye. White Oreg (914)	
Image: Code 1011001 I/4" STONE Image: Code 1/4" STONE Image: Code 23.85 / SUBTOTAL: 594.10 Image: Code 53.85 / SUBTOTAL: 594.10 Image: Code 53.85 / Image: Code 53.85 / Image: Code 53.85 / Image: Code 53.85 / Image: Code 53.824 Image: Code 853.24 Image: Code 000 Image: Code 000	UT GROSS 7726016 38.63LIT TARE 2744015 13.72LIT NET 4982015 13.72LIT NET 4982015 24.91LIT UT FOF LOADS US TONS TODAY 1 24.91 EXAMPLE 1 22.65 CUSTOMER SIGNATURE: TILCON NEW YORK INC. ISSUES THIS RECEIPT SOLELY FOR CALOULATING THE WEIGHT OF PURCHAGED MATERIALS, CUSTOMERMIRED HAULER IS SOLELY RESPONSIBLE FOR OPERATING THE VEHICLE WITHIN ITS PERMITTED WEIGHT OF PURCHAGED MATERIALS, CUSTOMERMIRED HAULER IS SOLELY RESPONSIBLE FOR OPERATING THE VEHICLE WITHIN ITS PERMITTED WEIGHT UNITATION AND FOR THE SAFE AND PROFEN PICKUP; HAULING AND DELIVERY OF MATERIALS, CUSTOMERMIRED HAULER SHALL BEFEN DAND INDEMINIFYTILCON NEW YORK INC. AGAINSTANY AND ALL CLAM/SARISING OUT OF A FAILURE TO: (1) COMPLY WITH PERMITTED WEIGHT UNITATION SAND (2) SAFELY PICKUP; HAULAND DELIVERY AND ALL OSHA M.S.D.S. AVAILABLE UPON REQUEST

N

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 1/4"

Please find 2 pages total.

As requested.

Please contact me with any questions.

Sincerely,

Robert Patton Quality Control



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
1/2"	100	100
3/8"	100	
1/4"	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

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		BANK, RI	VERDALE, ROSELA		(201) 797-7979 1-800-822-7242			
	NEV	W YORK: MT. VERN	ION, WEST NYACK		1-000-022-1242			
WARNING: IRRITATION TO T	HE SKIN AND EYES: Contains Po	rtland Cement Wear rubber		PROPERTY DAMAG			T CUSTOMER REQUEST	
boots and gloves. PROLONGE prolonged contact with skin. In	D CONTACT MAY CAUSE BURNS. case of contact with skin or eyes, f	Avoid contact with eyes and		SNED IF DELIVERY TO BE	EMADE INSIDE CURB LINE)	EXCESSIVE WA	ATER IS DETRIMENTAL TE PERFORMANCE.	
	tention, KEEP CHILDREN AWAY. LE COMMODITY AND BECOMES THE PLANT, ANY CHANGES OR CA	THE PROPERTY OF THE	premises and/or adjace	ent property if this load is	his truck could cause damage to the placed where you desire. It is our wish	A CONCRE	TE PERFORMANCE.	
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used in any particular environme	ent or soil conditions of that the concre nd/or specification of the mix desig	ete is fit for any particular use.	public street. Further, a	s additional consideratio	of his vehicle so that it will not litter the in; the undersigned agrees to indemnify	SA V		
responsibility of the Customer, a	and we assume no liability therefore. OF CONCRETE IS PRODUCED		all damage to the prem	ises and/or adjacent pro	nis supplier and its affiliates for any and perty which may be claimed by anyone	FULL LOAD 34 LOAD	D ½ LOAD ¼ LOAD	
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EPA ID NO TECH CONTACT COMMON NAME OF WASTE PROCESS GENERATING WAST	MSD: 			D. TOXICITY CHA	EPA		A- ACTUAL LEVEL	Constant and a second point of the second
BIENNIAL REPORT CODES: SIC ORIA IS THIS WASTE FROM A PLANT B. <u>PHYSICAL/CHEMICAL CHARA</u>	GIN CODE SYSTEM			Barium Cadmium Chromium Chromium CR+6 Lead Mercury	D005 D006 D007 D007 D007 D008 D008 D009	100.0 1.0 5.0 5.0 5.0 5.0 0.2	0.938 N/D N/D N/D 0.012 N/D N/D	in a low many in the property of the contract of the second second second second second second second second s
REACTIVITY (PPM) TOTAL CYANIDES N/D AMENABLE CYANIDES REACTIVE SULFIDES N/D CHECK IF WASTE IS: WATER REACTIVE AIR REACTIVE SHOCK SENSITIVE		PERCENT LIQUID TOTAL SOLIDS SUSPENDED SOL FREE LIQUID WATER IGNITABILITY	100 % 105 % % 59ECIFIC	Selenium Silver Benzene Carbon Tetrachloride Chlordane Chloroform Chloroform	D071 D018 D019 D020 D021 D021 D022 D023	1.0 5.0 0.5 0.03 100.0 6.0 200.0 ² 200.0 ²		
GENERATES TOXIC FUMES WHEN MODED WITH ACID, BASE, OR N20 ODOR NONE	GAS/AEROSOL CORROSIVITY (pH) 2.01 - 5.0 5.01 - 9.0 9.01 - 12.49 ≥ 12.50	UQUIDS: FLASH POINT °F < 100° > 100° ≤ 140° > 200° > 200° ACTUAL SOLIDS:		p-Cresol p-Cresol Cresol 2,4- D 1,4-Dichlorobenzene . 1,2-Dichloroethzne 1,1-Dichloroethylene	D025 D026 D016 D027 D028	200.0 ² 200.0 ² 10.0 7.5 0.5 0.7 0.13 [*]		
COLOR Gray			Dassed	Endrin Heptachlor (and its epoxide) Hexachloroberzene Hexachlorobutadiene Hexachloroethane	D031 D032 D033	0.02 0.008 0.731 0.5 3.0		
			<u>20</u> % %	Methyl Ethyl Ketone Nirobenzene Pentachlorophenol Pyridine	D013 D014 D035 D036 D037 D038	0.4 10.0 200.0 2.0 100.0 5.0 ¹ 0.7		
	· · · · · · · · · · · · · · · · · · ·		%%	Toxaphene Trichhloroethylene 2.4.5-Trichlorophenol. 2.4.6-Trichlorophenol 2.4.5-TP (Silvex)	D039 D015 D039 D041 D042 D017 D043	0.7 0.5 400.0 2.0 1.0 0.2		
Sight and trace	<u></u>			Quantitation limit is gr level The quantitation limit is gr level The quantitation limit the 'If o-,m- and p-Cresol of the total Cresol (D026) of of total Cresol is 200mg/	eater than erefore bea oncentrationcentration	the calcula comes the r	ateci regulatory egulatory level. be differentiatod,	

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E HAZARDOUS CHARACTERISTICS	E IDENTIEY THE HEALTH	HAZARD CHARACTERISTICS FROM THE TABLE BELOW
	· · · · · · · · · · · · · · · · · · ·	DALAND GITANAGTERISTICS FROM THE TABLE BELOW
INFECTIOUSFLAMMABLE SOLID	IMMEDIATE (ACUTE)	X NONE
TOXICORGANIC PEROXIDE	HEALTH HAZARD	
EXPLOSIVESHOCK SENSITIVE	nealth hazaku	
PYROPHORIC REACTIVE METALS		TOXIC
OXIDIZER (SPECIFY IN SECTION C)		IRRITANT
		SENSITIZER
CORROSIVE		CORROSIVE
OTHER DESCRIBE		OTHER HAZARDOUS CHEMICALS WITH AN ADVERSE EFFECT ON A
X NONE OF THE ABOVE	1 ·	TARGET ORGAN THAT GENERALLY OCCURS AS A RESULT OF
	11 12	SHORT TERM EXPOSURE AND WITH A SHORT DURATION.
G. SHIPPING INFORMATION	1	CONTRACT CONTENTO MANY GROAT DORATOR.
	DE AVER (OURONIE)	
	DELAYED (CHRONIC)	CARCINOGENS (if carcinogens are known to be in waste specify the
X BULK SOLIDDRUMS (POLY)	HEALTH HAZARD	carcinogen In Section C)
BULK SLUDGE	f .	OTHER HAZARDOUS CHEMICALS WITH AN ADVERSE EFFECT ON A
OTHER DESCRIBE	1	TARGET ORGAN THAT GENERALLY OCCURS AS A RESULT OF
SHIPPING FREQUENCY		LONG TERM EXPOSURE AND WITH A LONG DURATION
	1	
QUANTITYPER	1	
H. MANIFEST INFORMATION	1	
IS THIS A D.O.T. HAZARDOUS MATERIAL?YES X N	0	
PROPER D.O.T. SHIPPING NAME (49CFR Table 172:01)	Voue d'acte atte	
D.O.T. HAZARD CLASS / DIVISION:	UN/NA	PACKAGING GROUP (dirde one)
ADDITIONAL DESCRIPTIONS REQUIREMENTS (490FR 172		
EMERGENCY RESPONSE TELEPHONE NUMBER (49CFR 1	172,604)	CONTACT (Print Name)
I. WASTE CHARACTERISTICS		
1) IS THIS A USEPA HAZARDOUS WASTE? YES X N	O US EPA HAZARDOUS WAS	TE NUMBER(S) HAZARD CODES
IF YES, IF THE WASTE IS A CHARACTERISTIC HAZAR	NOUS WASTE NOES TO	
		ANTAN UNDERLING AREARDOUS CONSTITUENTS
(as defined at 40CFR 268.2(1)). ABOVE THE UNIVERSAL TREA	IMENT STANDARDYES	5NO.
IF YES PLEASE COMPLETE THE UHC WASTE PROFIL	E ADDENDUM.	
	and the second s	
2) STATE NON-HAZARDOUS WASTE NUMBER(S)		
3) DOES THIS WASTE CONTAIN ANY PCB'SYESX_N	O IF YES INDICATE I EVEL	ARE PCB'S TSCA REQULATED? YES NO
4) DOES THIS WASTE CONTAIN ANY HERBICIDES, PEST	TICIDES, DIXON OR RESIDU	ESTHEREOF YESX NO
If yes, list compound and concentration in Section C		
SUCTUCING TE DECLUDITED COOST LAND COODON		
5) IS THIS WASTE PROHIBITED FROM LAND DISPOSAL L	JNDER 40CFR Part 268	YESX_NO.
If yes, list waste subcategory description, if applicable		or check none. NONE
ELIC THIC MACTE & Chook and M NON MAR OTTAKT		
6) IS THIS WASTE A (Check one) X_NON-WASTEWATER		
7) BENZENE NESHAD ADDI ICARII ITV- in this work within	to management under Nations	Il Emission Standards for Benzene Waste Operations as provided
		A CHARGEN A DELICATE AADDE AADDE AADDE AADDE AD MAADED
in ACCED Dat St Subset EC VERY NO IE VER	ON CONTRACTOR ON ANT	
in 40CFR Part 61 Subpart FFYES XNO IF YES,	, GIVE BENZENE CONCENT	RATION
in 40CFR Part 61 Subpart FFYES XNO IF YES,	, GIVE BENZENE CONCENT	RATION
in 40CFR Part 61 Subpart FFYES XNO IF YES, 8).DOES THIS WASTE CONTAIN ANY N-NITROSO-N-METI	, GIVE BENZENE CONCENT HYLUREA?YES <u>x_</u> NO	RATION IF YES, GIVE CONCENTRATION
in 40CFR Part 61 Subpart FFYES XNO IF YES, 8).DOES THIS WASTE CONTAIN ANY N-NITROSO-N-METI 9) IF THIS WASTE IS A RCRA HAZARDOUS WASTE DOES	, GIVE BENZENE CONCENT HYLUREA?YES <u>x</u> NO S IT CONTAIN VOC'S IN COI	RATION IF YES, GIVE CONCENTRATION ICENTRATIONS ≥ 500 PPM.(400FR Subpart CC)YES x_NO
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Manifest # 219684

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24 Middlesex Avenue 1469 Oak Ridge Place 9 Carteret, NJ 07008 Hagerstown, MD 21740 N	Clean Earth of New Castle 4 Pyles Lane Lew Castle, DE 19720 th: 302-427-6633
3201 S. 61st Street 3815 South State Route 2 7 Philadelphia, PA 19153 Friendly, WV 26146 N	Ilean Earth of Southeast Pennsylvania Steel Road East Iorrisville, PA 19067 h: 215-428-1700
Non-Hazardou	s Material Manifest
(Type or Print Clearly)	
GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:
AA	Tons Yards 09980
101 WESTMONTINUS AVE	TARE WEIGHT:
WHITE PLATER, MY	Tons Yards 57090
GENERATOR'S PHÓNE:	NET WEIGHT:
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DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATI	
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is not a hazardous waste as defined by 40 CFR Part 261 or any a	ree liquid as defined by 40 CFR Part 260.10 or any applicable state law, oplicable state law, is not a DOT hazardous substance as defined by 49 urately described above, classified, packaged and is in proper condition gulations.
Name: Andie Schilleve 2546	NTitle:
Signature: <u>GCENNIMENTEL 1967</u>	Date and Time 1/103
TRANSPORTER	
Company: ENVIRONMENTER Menusi pour Graup	Phone Number: <u>1-973-347-8200</u>
	Truck # and License Plate: $\frac{273}{AH953W}$,
Driver: <u>Uichard McConell</u> (Type or Print Clearly)	SW Haulers Permit #: $N5057$ $O9496/256Y^{O}$
	(applicable state permit #) aterial was picked up at the site listed above.
Driver Signature:	
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DESTINATION	
I hereby certify that the above named material was	delivered without incident to the facility noted above.
Driver Signature:	Date and Time:/14/0 9 /D: 30 AM
	has been accepted at the above referenced facility.
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OF North Jersey, Inc.	
GENERATOR / AA	
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5 licket: 308080011108 Clean Earth of North Jersey Date Time Scale 115 Jacobus Avenue 🧠 🖉 In: 1/14/2009 16:29:07 Manual W South Kearny, NJ 07032 . " Out: 1/14/2009 14:22:07 Manual W Ph: (973) 444-4004 5a2: (973) 344-2652 Lbs The second Lus (ns Gross: 59480 29.74 Tare: 37840 18.52 Net: 22449 11.22 Hauler DEP: 19532 Facility Annoust: Mo Manifest: CEI219684 Vehicle ID: ETGI-163 Vehicle Permit: 25649 Customer: G C ENVIRONMENTAL INC Facility Approval#: MAGenerator: AAA AUTOMOWILE CLUB OF NEJob Name: Not Applicableen Address: 1415 KELLUM PLACEJob Address: , Gen Address: 1415 KELLUM PLACE GARDEN CITY, NY 11530 Materials & Services Origin Quantity Unit "No with that high and some bart epochia also gave acts some rand of Westchester Hon Hazardous Soil - Ton 11.22 Ths Contaminate Type: non haz Soil Treatment Type: H141 Fac Waste Code: Not Applicable Westchester Transportation In - Unit 0.00 0.00 Unts Contaminate Type: Not Applicable Treatment Type: Not Applicable Fac Waste Code: Not Applicable Sample ID: 148078 Connent:

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GLOBAL JOB NUMBER: 108635

FACILITY APPROVAL NUMBER: 093080091

Please Check One:

- Clean Earth of Carteret 24 Middlesex Avenue Carteret, NJ 07008 Ph: 732-541-8909
- ☐ Clean Earth of Philadelphia 3201 S. 61st Street Philadelphia, PA 19153 Ph: 215-724-5520
- Clean Earth of Maryland 1469 Oak Ridge Place Hagerstown, MD 21740 Ph: 301-791-6220
- Clean Earth of West Virginia 3815 South State Route 2 Friendly, WV 26146 Ph: 304-652-8580
- Clean Earth of New Castle 94 Pyles Lane New Castle, DE 19720 Ph: 302-427-6633
- Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: 215-428-1700

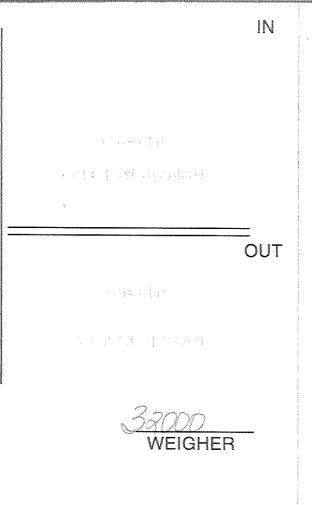
Slean Earth

Non-Hazardous Material Manifest

(Type or Print Clearly)		
GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
<u>AAAA</u>	Tons Yards	109 DLAD
Il weither eland Avenue	TARE WEIGHT:	
White Plains, NY	Tons Yards	31040
GENERATOR'S PHONE	NET WEIGHT:	2. 1. 2.500
	Tons Avards	20 yd estader
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCA	ATION	
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ID27		ENDING MANIFEST
	OTVILLE AND	MIALITY AMERICAN
GENERATOR'S CERTIFICATION - Incomplete and/or un	signed manifests will cause the	load to be delayed and/or rejected.
I hereby certify that the above named material does not contain	in free liquid as defined by 40 (CFR Part 260 10 or any applicable state law
is not a nazardous waste as defined by 40 CFR Part 261 or an	v applicable state law, is not a l	DOT hazardous substance as defined by A0
CFR Part 172 or any applicable state law, has been fully and a for transportation according to all applicable state and federal	accurately described above, cla	ssified, packaged and is in proper condition
Signature: US will AS AGENT	Date and Time:	(114/07
TRANSPORTER	······································	
Company: Environmental truispirt	Phone Number:	973-3478200
Address: 5 6 oldmine Rol	Truck # and License Plate:	273 AH953W
Driver: Dich McConsel		
(Type or Print Clearly)	SW Haulers Permit #:	<u>OH296</u> <u>25699</u> (applicable state permit #)
I hereby certify that the above named	I material was nicked up at the	r r
Driver Signature:		
	Date and Time:	1/14/89 12:06 Pm
DESTINATION		
I hereby certify that the above named material w	as delivered without incident t	o the facility noted above
Driver Signature:	Date and Time:	//1/03 130
I hereby certify that the above named mater		eve referenced facility
Authorized Signature: Pittle Killer	Date and Time:	1 - 14 - 79 - 1530
	Date and rmit	<u>-1907 1000</u>

CLEANEARTH GENERATOR AAA MAN. NO. CLES19685 TRANSPORTER ETGE VEHICLE ID. 152 DRIVER ON OFF REMARKS: 148079 DCH 648

WEIGH-TRONIX®



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APPENDIX C



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?	Х		
2	Was Case Narrative in agreement with QC data?	Х		
3	Were methods requested used to analyze samples?	Х		
4	Was Data package complete as required for NYS DEC Category B deliverables?	Х		
5	Were all required holding times met for analysis?	Х		
6	Were all samples correctly preserved?	Х		
7	Was sample preservation documented?	Х		
8	Was % moisture less than 50% for all soil samples?	χ		1
9	Were initial and continuing calibrations performed at required frequency?	X		
10	Were initial calibrations within acceptance criteria?	Х		
11	Were midpoint check standards within acceptance criteria?	Х		
12	Were method blanks free of contaminants?	X		
13	Were field blanks free of contaminants?	X		
14	Were system monitoring compounds within acceptance limits?	Х		
15	Were MS/MSD analyzed at required frequency?	X		
16	Did MS/MSD meet the % Recovery (%R) and Relative Percent Difference (RPD) acceptance criteria?	<u> </u>		
17	Was the Matrix Spike Blank (Reference Sample) performed at the required frequency?	Х		
18	Did the MSB (Reference Sample) meet the %R criteria	Х		
19	Did the result for any field duplicate samples meet expected precision requirements?			Х
20	Were dilutions made & analyzed when appropriate?	Х		
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



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: //22/09 NJDEP LAB ID NO.: NY356 NYELAP ID NO.: 10320

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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 (BFB) QC CHECK (REFERENCE SAMPLE) RESULTS SUMMARY RAW DATA FOR ALL GCMS RUNS TENTATIVELY IDENTIFIED COMPOUNDS (TICs)	

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

	YES NO NA Representing:	Representing:	Representing:	YES NO NA Rep		Representing:
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DATA REPORTS

ECOLEST 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

			01/19/09	
ATTN :	GC Environm 410 Saw Mil Ardsley, NY Val Gatalli	l Rive 10502	. Incorporated er Road PO#:83	81
SOURCE OF SAMPLE: SOURCE OF SAMPLE:	101 Westmor	eland	Avenue, #05-003	
COLLECTED BY:	Client	DATE	COL'D:01/07/09 RECEIVED:0	1/08/09
MATRIX:Soil SA	MPLE: S-1	i Lrin	COL'D:1000	
ANALYTICAL PARAMETERS			reported on a dry weight DATE TIME	ANALYTICAL
Dichlordifluoromethane	UNITS		T FLAG OF ANALYSTS	LRL METHOD
Chloromethane	ug/Kg	< 5.2	011209	5.208 EPA8260
Vinyl Chloride	ug/Kg	< 5.2	011209	5.208 EPA8260
Bromomethane		< 5.2	011209	5.208 EPA8260
Chloroethane		< 5.2	011209	5.208 EPA8260
Trichlorofluoromethane	ug/Kg	< 5.2	011209	5.208 EPA8260
1,1 Dichloroethene	ug/Kg		011209	5.208 EPA8260
Methylene Chloride	ug/Kg		011209	5.208 EPA8260
t-1,2-Dichloroethene	ug/Kg		011209	5.208 EPA8260
1,1 Dichloroethane	ug/Kg	< 5.2	011209	5.208 EPA8260
2,2-Dichloropropane	ng/Kg		011209	5.208 EPA8260
c-1,2-Dichloroethene	ug/Kg		011209	5.208 EPA8260
Bromochloromethane	ug/Kg		011209	5.208 EPA8260
Chloroform	ng/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		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		011209	5.208 EPA8260
1.2 Dichloropropane	ng/Kg		011209	5.208 EPA8260
Dibromomethane	ng/Kg		011209	5.208 EPA8260
Bromodichloromethane	ug/Kg		011209	5.208 EPA8260
c-1.3Dichloropropene	ug/Kg ·	< 5.2	011209	5.208 EPA8260
Toluene	ug/Kg ·		011209	5.208 EPA8260
ce:	ng/Kg ·	< 5.2	011209	5.208 EPA8260

LR1,=Laboratory Reporting Limit

REMARKS:

DIRECTOR Page 8 age of6

NYSDOH ID # 10320

COLEST 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 P0#:8381 SOURCE OF SAMPLE: 101 Westmoreland Avenue, #05-003 SOURCE OF SAMPLE: CALLER CONTRACTOR

COLUMB	I ED	БY	•	C I	ient	

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

			DESIS
ANALYTICAL PARAMETERS	UNITS RESULT	DATE TIME	ANALYTICAL
t-1.3Dichloropropene		FLAG OF ANALYSIS	
112 Trichloroethane	ug/Kg < 5.2	011209	5.208 EPA8260
Tetrachloroethene	ng/Kg < 5.2	011209	5.208 EPA8260
1,3-Dichloropropane	ug/Kg 9.4	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 < 5.2	011209	5.208 EPA8260
o Xylene	ug/Kg < 10	011209	10.41 EPA8260
Styrene	ng/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	ng/Kg < 5.2	011209	5.208 EPA8260
123-Trichloropropane	ug/Kg < 5.2	011209	5.208 EPA8260
n-Propylbenzene	ng/Kg < 5.2	011209	5.208 EPA8260
2-Chlorotoluene	ug/Kg < 5.2	011209	5.208 EPA8260
135-Trimethylbenzene	$\lg/Kg < 5.2$	011209	5.208 EPA8260
4-Chlorotoluene	ng/Kg < 5.2	011209	5.208 EPA8260
+ ontorocornerie	ng/Kg < 5.2	011209	5.208 EPA8260
tert-Butylbenzene	ug/Kg < 5.2	011209	5.208 EPA8260
124-Trimethylbenzene	ng/Kg < 5.2	011209	5.208 EPA8260
sec-Butylbenzene	ug/Kg < 5.2	011209	5.208 EPA8260
p-Tsopropyltoluene	ug/Kg < 5.2	011209	5.208 EPA8260
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LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR Page 9 9 ОŤ 6

COLEST 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 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-1 Results reported on a dry weight basis DATE TIME ANALYTICAL ANALYTICAL PARAMETERS UNITS RESULT FLAG OF ANALYSIS LRL 1.3 Dichlorobenzene (v) METHOD ug/Kg < 5.2011209 5.208 EPA8260 1.4 Dichlorobenzene (v) ug/Kg < 5.2011209 5.208 EPA8260 n-Butylbenzene ug/Kg < 5.2011209 1,2 Dichlorobenzene (v) 5.208 EPA8260 ng/Kg < 5.2Dibromochloropropane 011209 5.208 EPA8260 ug/Kg < 5.2124-Trichlorobenzene (v) 011209 5.208 EPA8260 ng/Kg < 5.2011209 Hexachlorobutadiene 5.208 EPA8260 ug/Kg < 5.2011209 5.208 EPA8260 Naphthalene(v) ug/Kg < 5.2011209

123-Trichlorobenzene 5.208 EPA8260 ug/Kg < 5.2011209 5.208 EPA8260 ter.Buty1Methy1Ether ng/Kg < 5.2011209 5.208 EPA8260 p-Ethyltoluene ng/Kg < 5.2011209 Freon 113 5.208 EPA8260 ug/Kg < 5.21245 Tetramethylbenz 011209 5.208 EPA8260 ug/Kg < 5.2011209 5.208 EPA8260 Acetone ug/Kg < 52011209 Methyl Ethyl Ketone 52.08 EPA8260 ng/Kg < 52Methylisobutylketone 011209 52.08 EPA8260 ug/Kg < 52011209 Chlorodifluoromethane 52.08 EPA8260 ng/Kg < 5.2011209 p Diethylbenzene 5.208 EPA8260 ug/Kg < 5.2011209 5.208 EPA8260

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LRL=Laboratory Reporting Limit

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REMARKS:

DIRECTOR Page 10 3 of6

NYSDOH ID # 10320

COTEST 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

ATTN :	GC Environmental, Incorporated 410 Saw Mill River Road Ardsley, NY 10502 Val Gatallin	P0 # :8381
SOURCE OF SAMPLE: SOURCE OF SAMPLE:	101 Westmoreland Avenue, $\#05-00$	

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

A. 3. 2. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 4. 5. 4. 5. 4. 5. 4. 5. 4. 5. 4. 5. 4. 5. 4. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.		DATE TIME ANAL STREAM
ANALYTICAL PARAMETERS	UNITS RESULT	DATE TIME ANALYTICAL
Bis(2-chloroethy1)ether	ug/Kg < 31	FLAG OF ANALYSIS LRL METHOD
1,3 Dichlorobenzene(sv)	ug/Kg < 31	011209 31.25 EPA8270
1,4 Dichlorobenzene(sv)		011209 31.25 EPA8270
Carbazole	ug/Kg < 31	011209 31.25 EPA8270
1,2 Dichlorobenzene(sv)	vg/Kg < 31	011209 31.25 EPA8270
Bie(2-chloroienzene(sv)	ug/Kg < 31	011209 31.25 EPA8270
Bis(2-chloroisopropy1)ether	ug/Kg < 31	
N-Nitrosodi-n-propylamine	ng/Kg < 31	
Hexachloroethane	ug/Kg < 31	
Nitrobenzene	ng/Kg < 31	
Tsophorone	ug/Kg < 31	011209 31.25 EPA8270
Bis(2-chloroethoxy)methane	ng/Kg < 31	011209 31.25 EPA8270
124-Trichlorobenzene (sv)	ug/Kg < 31	011209 31.25 EPA8270
Naphthalene(sv)	$\frac{08}{18} \times 31$	011209 31.25 EPA8270
4-Chloroaniline	ug/Kg < 31	011209 31.25 EPA8270
Hexachlorobutadiene	vg/Kg < 31	011209 31.25 EPA8270
2-Methylnaphthalene	ug/Kg < 31	011209 31.25 EPA8270
Haveablassest	vg/Kg < 31	011209 31.25 EPA8270
Hexachlorocyclopentadiene	ng/Kg < 310	
2-Chloronaphthalene	ug/Kg < 31	ALL AND ALL AN
2-Nitroaniline	ug/Kg < 31	
Dimethyl Phthalate	ug/Kg < 31	STICS ULAULIU
Acenaphthylene	ug/Kg < 31	011209 31.25 EPA8270
2,6-Dinitrotoluene	ug/Kg < 31	011209 31.25 EPA8270
3-Nitroaniline		011209 31.25 EPA8270
Acenaphthene	ug/Kg < 31	011209 31.25 EPA8270
Dibenzofuran	ng/Kg < 31	011209 31.25 EPA8270
	ug/Kg < 31	011209 31.25 EPA8270
cc;		$\Im L * \Delta \Im D T A O Z / U$

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR Page 11 4 Age of6

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

ATTN:	GC Environmen 410 Saw Mill Ardsley, NY 1 Val Gatallin	
SOURCE OF SAMPLE: SOURCE OF SAMPLE:	101 Westmore	and Avenue, #05-003
COLLECTED BY:		ATE COL'D:01/07/09 RECEIVED:01/08/09 IME COL'D:1000

MATRIX:Soil SAMPLE: S-1

Results reported on a dry weight basis

		-	A LONGAL OF	
ANALYTICAL PARAMETERS	75 TF 0 0 19 19 19 19 19		DATE TIME	ANALYTICAL
	UNITS	RESULT	FLAG OF ANALYSIS	LRL METHOD
2,4-Dinitrotoluene	ug/Kg	< 31	011209	
Diethyl Phthalate	ug/Kg			31.25 EPA8270
4-Chlorophenyl phenyl ether			011209	31.25 EPA8270
Fluorene	ng/Kg		011209	31.25 EPA8270
	ug/Kg	< 31	011209	31.25 EPA8270
4-Nitroaniline	ug/Kg	< 31	011209	
N-Nitrosodiphenylamine	ug/Kg			31.25 EPA8270
4-Bromophenyl phenyl ether			011209	31.25 EPA8270
Hexachlorobenzene	ng/Kg		011209	31.25 EPA8270
	ug/Kg		011209	31.25 EPA8270
Phenanthrene	ug/Kg	< 31	011209	
Anthracene	ug/Kg			31.25 EPA8270
Di-n-Butyl Phthalate			011209	31.25 EPA8270
Fluoranthene	ug/Kg		011209	31.25 EPA8270
	ug/Kg		011209	31.25 EPA8270
Pyrene	ug/Kg	< 31	011209	31.25 EPA8270
BenzylButylPhthalate	ug/Kg			
3,3'-Dichlorobenzidine			011209	31.25 EPA8270
Benzo(a)anthracene	ng/Kg		011209	312.5 EPA8270
nouvo (o /ourur aceile	ug/Kg	< 31	011209	31.25 EPA8270
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LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR Page 12 5 of6

rn = 387

NYSDOH TD # 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 1

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

					The Car Car Tr Ca
	1. 3. P. J. W. (1999)			DATE TIME	ANALYTICAL
	ANALYTTCAL PARAMETERS	UNITS	RESULT	FLAG OF ANALYSIS	LRL METHOD
	Chrysene	ug/Kg	< 31	011209	the second se
÷.	Bis(2-ethylhexyl)phthalate				31.25 EPA8270
Ŷ.	Dissurated District	ng/Kg		011209	31.25 EPA8270
	Di-n-octyl Phthalate	ng/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			
				011209	31.25 EPA8270
	Indeno(1,2,3-cd)pyrene	ug/Kg		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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LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR Page 13 of 6

NYSDOH ID # 10320

rn = 388

ECOLEST 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

			borred ou e dià MetRUF	DASIS
		· · · · · · · · · · · · · · · · · · ·	DATE TIME	ANALYTICAL
ANALYTICAL PARAMETERS	UNITS		FLAG OF ANALYSIS	LRL METHOD
Dichlordifluoromethane		< 5.2	011209	5.208 EPA8260
Chloromethane		< 5.2	011209	5.208 EPA8260
Vinyl Chloride		< 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	ng/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		< 5.2	011209	5.208 EPA8260
Bromochloromethane	ug/Kg	< 5.2	011209	5.208 EPA8260
Chloroform	ug/Kg		011209	5.208 EPA8260
111 Trichloroethane	ug/Kg		011209	5.208 EPA8260
Carbon Tetrachloride	ug/Kg		011209	5.208 EPA8260
1,1-Dichloropropene	ug/Kg		011209	5.208 EPA8260
Benzene	ug/Kg		011209	
1,2 Dichloroethane	ug/Kg		011209	5.208 EPA8260
Trichloroethene	ng/Kg		011209	5.208 EPA8260
1,2 Dichloropropane	ng/Kg		011209	5.208 EPA8260
Dibromomethane	ug/Kg		011209	5.208 EPA8260
Bromodichloromethane	ng/Kg		011209	5.208 EPA8260
c-1,3Dichloropropene	ug/Kg		011209	5.208 EPA8260
Toluene	ug/Kg		011209	5.208 EPA8260
0.0.1		* Kun	VLIZU7	5.208 EPA8260

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LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR Page 14 1 of 6

NYSDOH 1D # 10320

ECOLEST 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

P0#:8381

SOURCE OF SAMPLE: SOURCE OF SAMPLE:	101 Westmore	land	Avenue,	#05-003
COLLECTED BY:	Client 1	DATE	COL'D:01	/07/09 R

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

		A REAL AND A	
ANALYTICAL PARAMETERS		DATE TIME	ANALYTICAL
	UNITS RESULT	FLAG OF ANALYST:	
t-1,3Dichloropropene	ug/Kg < 5.2	011209	5.208 EPA8260
112 Trichloroethane	ug/Kg < 5.2	011209	5.208 EPA8260
Tetrachloroethene	11g/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	ng/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	ng/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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LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR Page 15 of 6

NYSDOH TD # 10320

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 Val Gatallin ATTN: 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 SAMPLE: S-2 MATRIX:Soil Results reported on a dry weight basis DATE TIME ANALYTICAL ANALYTICAL PARAMETERS UNITS RESULT FLAG OF ANALYSIS LRL METHOD 5.208 EPA8260 1,3 Dichlorobenzene (v) ug/Kg < 5.2011209 ug/Kg < 5.21,4 Dichlorobenzene (v) 011209 5.208 EPA8260 n-Butylbenzene ug/Kg < 5.2011209 5.208 EPA8260 1.2 Dichlorobenzene (v) ug/Kg < 5.2011209 5.208 EPA8260 Dibromochloropropane ug/Kg < 5.2 ug/Kg < 5.2 5.208 EPA8260 011209 124-Trichlorobenzene (v) 011209 5.208 EPA8260 Hexachlorobutadiene ug/Kg < 5.2011209 5.208 EPA8260 Naphthalene(v)ug/Kg < 5.2011209 5.208 EPA8260 123-Trichlorobenzene ng/Kg < 5.2011209 5.208 EPA8260 ug/Kg < 5.2ter.ButylMethylEther 5.208 EPA8260 011209 p-Ethyltoluene ug/Kg < 5.2011209 5.208 EPA8260 Freon 113 ug/Kg < 5.2011209 5.208 EPA8260 1245 Tetramethylbenz ug/Kg < 5.2011209 5.208 EPA8260 ug/Kg < 52Acetone 011209 52.08 EPA8260 ng/Kg < 52Methyl Ethyl Ketone 011209 52.08 EPA8260 Methylisobutylketone ug/Kg < 52011209 52.08 EPA8260 Chlorodifluoromethane ng/Kg < 5.2011209 5.208 EPA8260 p Diethylbenzene ug/Kg < 5.2011209 5.208 EPA8260 % Solids 96 0.1 1825406 010909

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REMARKS:

DIRECTOR Page 16 3 of 6

LRL=Laboratory Reporting Limit

NYSDOH ID # 10320

rn = 391

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

ENVIRONMENTAL TESTING

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

LAB NO.290082.02

01/19/09

	GC Environmental, Incorp 410 Saw Mill River Road	orated
ATTN:	Ardsley, NY 10502 Val Gatallin	PO#:8381
TE OF SAMPLE.	101 Westmoreland Avenue.	#05-003

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

SAMPLE: S-2 MATRIX:Soil

	Re	sults	reported on a dry weight	
5 6 7 5 17 17 19 19 19 19 19 19 19 1 5 19 19 19 19 19 19	3 FBT 37 FT1 F1	11 TO 23171 70	DATE TIME	ANALYTICAL
ANALYTICAL PARAMETERS				
Bis(2-chloroethyl)ether	ng/Kg		011209	31.25 EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg		011209	31.25 EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 31	011209	31.25 EPA8270
Carbazole	11g/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	ng/Kg	< 31	011209	31.25 EPA8270
Hexachloroethane			011209	31.25 EPA8270
Nitrobenzene		< 31	011209	31.25 EPA8270
Isophorone	ug/Kg		011209	31.25 EPA8270
Bis(2-chloroethoxy)methane	ug/Kg		011209	31.25 EPA8270
124-Trichlorobenzene (sv)	ug/Kg		011209	31.25 EPA8270
Naphthalene(sv)	ug/Kg	< 31	011209	31.25 EPA8270
4-Chloroaniline	ug/Kg		011209	31.25 EPA8270
Hexachlorobutadiene	ug/Kg		011209	31.25 EPA8270
2-Methylnaphthalene	ug/Kg		011209	31.25 EPA8270
Hexachlorocyclopentadiene	ug/Kg		011209	312.5 EPA8270
2-Chloronaphthalene	ug/Kg		011209	31.25 EPA8270
2-Nitroaniline		< 31	-	31.25 EPA8270
Dimethyl Phthalate			011209	31.25 EPA8270
Acenaphthylene	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		011209	31.25 EPA8270
2.6-Dinitrotoluene	ng/Kg		011209	31.25 EPA8270
			011209	31.25 EPA8270
3-Nitroaniline	ug/Kg		011209	31.25 EPA8270
Acenaphthene	ug/Kg	< 31	011209	31.25 EPA8270
Dibenzofuran	ug/Kg	× .31	V114V7	J1.4J GFR04/0
cc:				

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTO o Page 17 L.

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

ENVIRONMENTAL TESTING

Email: ecotestlab@aol.com Website: www.ecotestlabs.com 01/19/09

LAB NO.290082.02

	nvironmental, Incor	porated	
	Saw Mill River Road		
Ards	ley, NY 10502		
ATTN: Val	Gatallin	P0 # :8	1381
SOURCE OF SAMPLE: 101	Westmoreland Avenue	, <i>#</i> 05-003	
SOURCE OF SAMPLE:			
COLLECTED BY: Clie	nt DATE COL'D:	01/07/09 RECEIVED:	01/08/09
	TIME COL'D:	1000	
MATRIX:Soil SAMPLE:	S-2		
		~	
	Results repor	ted on a dry weigh	it basis
		DATE TIME	ANALYTICAL
ANALYTICAL PARAMETERS	UNITS RESULT	FLAG OF ANALYS	IS LRL METHOD
2,4-Dinitrotoluene	ug/Kg < 31	011209	31.25 EPA8270
Diethyl Phthalate	ug/Kg < 31	011209	31.25 EPA8270
		011209	31.25 EPA8270
4-Chlorophenyl phenyl ether	ng/Kg < 31	011209	31.25 EPA8270
Fluorene		011209	31.25 EPA8270
4-Nitroaniline	ng/Kg < 31	011209	31.25 EPA8270
N-Nitrosodiphenylamine	ug/Kg < 31		
4-Bromonhanvl nhanvl ether	ng/Kg < 31	011209	31.25 EPA8270

4-Nitroaniline	ng/Kg < 31	011203	31.23 GFA02/0
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	ng/Kg < 31	011209	31.25 EPA8270
Fluoranthene	ug/Kg < 31	011209	31.25 EPA8270
Pyrene	ng/Kg < 31	011209	31.25 EPA8270
BenzylButylPhthalate	ug/Kg < 31	011209	31.25 EPA8270
3.3'-Dichlorobenzidine	ng/Kg < 310	011209	312.5 EPA8270
Benzo(a)anthracene	ug/Kg < 31	011209	31.25 EPA8270

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LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR Page 18 of 6 5 Page

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

ATTN :	GC Environmental, Incorporated 410 Saw Mill River Road Ardsley, NY 10502 Val Gatallin	P0 #: 8381
SOURCE OF SAMPLE: SOURCE OF SAMPLE:	101 Westmoreland Avenue, #05-0	03
COLLECTED BY:	Client DATE COL'D:01/07/0	9 RECEIVED:01/08/09

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

MATRIX:Soil SAMPLE; S-2

	Results reporte	d on a dry weight	basis
		UNIG LINE	ANALYTICAL
ANALYTICAL PARAMETERS		FLAG OF ANALYSIS	LRL 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	ng/Kg < 31	011209	31.25 EPA8270
Benzo(a)pyrene	ug/Kg < 31	011209	31.25 EPA8270
Indeno(1,2,3-cd)pyrene	ng/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



LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR Page 19 of 6

NYSDOH ID # 10320

rn = 394

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

ልፐጉካ :	GC Environmental, Incorporated 410 Saw Mill River Road Ardsley, NY 10502 Val Gatallin PO#:8381	
SOURCE OF SAMPLE: SOURCE OF SAMPLE:	101 Westmoreland	Avenue, #05-003
COLLECTED BY:		COL'D:01/07/09 RECEIVED:01/08/09 COL'D:1000

MATRIX:Soil SAMPLE: S-3

Results reported on a dry weight basis

		THOR OF G GET MOTOUR	NURDIS
		DATE TIME	ANALYTICAL
ANALYTICAL PARAMETERS	UNITS RESULT	FLAG OF ANALYSTS	LRL 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	vg/Kg < 5.2	011209	5.154 EPA8260
Trichlorofluoromethane	11g/Kg < 5.2	011209	5.154 EPA8260
1,1 Dichloroethene	ng/Kg < 5.2	011209	5.154 EPA8260
Methylene Chloride	ug/Kg < 5.2	011209	5.154 EPA8260
t-1,2-Dichloroethene	ng/Kg < 5.2	011209	5.154 EPA8260
1,1 Dichloroethane	11g/Kg < 5.2	011209	5.154 EPA8260
2.2-Dichloropropane	ng/Kg < 5.2	011209	
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	ng/Kg < 5.2		5.154 BPA8260
Carbon Tetrachloride	ug/Kg < 5.2	011209	5.154 EPA8260
1,1-Dichloropropene		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
	ug/Kg < 5.2	011209	5.154 EPA8260
1,2 Dichloropropane	ug/Kg < 5.2	011209	5.154 EPA8260
Dibromomethane	$\pi g/Kg < 5.2$	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 Page 20 of 6

ATTN:

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 Val Gatallin

Westmoreland Avenue, #05-003

PO#:8381

SOURCE	0F	SAM	PLE:	101	Wes
SOURCE	$\mathbf{0F}$	SAMP	LE:		
COL	LE(TED	BY :	Clie	ent

Contraction of the second second

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

n an		DATE TIME	ANALYTICAL
ANALYTICAL PARAMETERS	UNITS RESULT	FLAG OF ANALYSIS	S LRL METHOD
t-1,3Dichloropropene	ug/Kg < 5.2	011209	5.154 EPA8260
112 Trichloroethane	ug/Kg < 5.2	011209	5.154 EPA8260
Tetrachloroethene	ng/Kg < 5.2	011209	5.154 EPA8260
1.3-Dichloropropane	ug/Kg < 5.2	011209	5.154 EPA8260
Chlorodibromomethane	ng/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	ng/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	ng/Kg < 5.2	011209	5.154 EPA8260
1122Tetrachloroethane	ng/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-lsopropyltoluene	ng/Kg < 5.2	011209	5.154 EPA8260

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LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR Page 21 2 of

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

	GC Environmental 410 Saw Mill Riv	er Road
ATTN:	Ardsley, NY 1050 Val Gatallin	2 P0#:8381
SOURCE OF SAMPLE: SOURCE OF SAMPLE:	101 Westmoreland	Avenue, #05-003
CONTROLES,	17.1 L	COL +D - 04 (07 (00 DECETTED - 04 (00 (00

COLLECTED BY: Client

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

01/19/09

MATRIX:Soil SAMPLE: S-3

Results reported on a dry weight basis

		DATE TIME	ANALYTICAL
ANALYTICAL PARAMETERS	UNITS RESULT	FLAG OF ANALYSIS	LRL 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	$ug/Kg < 52^{\circ}$	011209	51.54 EPA8260
Chlorodifluoromethane	ug/Kg < 5.2	011209	5.154 EPA8260
p Diethylbenzene	ug/Kg < 5.2	011209	5.154 EPA8260
	a da se de <mark>al</mark> ega a la carega de la carega de la carega. A carega de la careg	an shekara a shekara ka shekara ta shekara t Mana ta shekara ta sheka	
% Solids	97	010909	0.1 182540G

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REMARKS:

DIRECTOR Page 22

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of

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LRL=Laboratory Reporting Limit

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 01/19/09

LAB NO.290082.03

ል ግግ እ				PO #: 8381
• • • • • • • • • • • • • • • • • • •		·		
SOURCE OF SAMPLE: SOURCE OF SAMPLE:	101 Westmo	oreland Avenue,	#05-003	
COLLECTED BY:	Client	DATE COL'D:0 TIME COL'D:1		IVED:01/08/09
MATRIX:Soil S	AMPLE: S-3	-		

		Re	sulta	renarted	on a dry	watcht	hadid	
and and a second se Second second				a sagana a tasata		TIME		ALYTICAL
ANALYTICAL PAR	AMETERS	UNITS	RESUL	r	FLAG OF A			THOD
Bis(2-chloroet		ug/Kg	< 31		01120			EPA8270
1,3 Dichlorobe		ug/Kg		·.	01120		1 S.	EPA8270
1,4 Dichlorobe	nzene(sv)	ug/Kg			01120	9	30.92	EPA8270
Carbazole		ug/Kg	< 31		01120	9	30.92	EPA8270
1,2 Dichlorobe	nzene(sv)	ug/Kg	< 31		01120	9	30.92	EPA8270
Bis(2-chlorois	opropyl)ether	ug/Kg	< 31		01120	9	30.92	EPA8270
N-Nitrosodi-n-	propylamine	ug/Kg	< 31		01120	9	30.92	EPA8270
Hexachloroetha	ne	ug/Kg	< 31		01120	9	30.92	EPA8270
Nitrobenzene		ng/Kg	< 31		01120	9	30.92	EPA8270
Isophorone		ug/Kg			01120	9	30.92	EPA8270
Bis(2-chloroet	hoxy)methane	ug/Kg	< 31		011204		30.92	EPA8270
124-Trichlorob	enzene (sv)	ug/Kg	< 31		01120	9	30.92	EPA8270
Naphthalene(sv		ug/Kg	< 31		011209	9	30.92	EPA8270
4-Chloroanilin		ug/Kg			01120	9	30.92	EPA8270
Hexachlorobuta		ug/Kg			011201			EPA8270
2-Methylnaphth		ug/Kg			01120		30,92	EPA8270
Hexachlorocycl		ug/Kg			011209			EPA8270
2-Chloronaphth		ug/Kg			01120		30.92	EPA8270
2-Nitroaniline	and the second	ug/Kg		an an ann an Anna an Anna Anna Anna Ann	011209			EPA8270
Dimethyl Phtha		ng/Kg			01120			EPA8270
Acenaphthylene		ug/Kg			011209)	30.92	EPA8270
2,6-Dinitrotol		ug/Kg			01120	9	30.92	EPA8270
3-Nitroaniline		ug/Kg			011209			EPA8270
Acenaphthene		ug/Kg			01120			EPA8270
Dibenzofuran		ug/Kg	< 31		011209)	30.92	EPA8270
C	o :							

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR Page 23 4 Age of 6

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

ATT'N:	GC Environmental, Incorpo 410 Saw Mill River Road Ardsley, NY 10502 Val Gatallin	rated P0 #: 8381
SOURCE OF SAMPLE: SOURCE OF SAMPLE:	101 Westmoreland Avenue,	#05-003
COLLECTED BY:	Client DATE COL'D:01	/07/09 RECEIVED:01/08/09

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

01/19/09

MATRIX:Soil SAMPLE: S-3

Results reported on a dry weight basis DATE TIME ANALYTICAL ANALYTICAL PARAMETERS UNITS RESULT FLAG OF ANALYSIS LRL METHOD ug/Kg < 31 2,4-Dinitrotoluene 30.92 EPA8270 011209 30.92 EPA8270 ug/Kg < 31011209 Diethyl Phthalate 30.92 EPÁ8270 4-Chlorophenyl phenyl ether ug/Kg < 31011209 ng/Kg < 3130.92 EPA8270 011209 Fluorene 30.92 EPA8270 4-Nitroaniline ug/Kg < 31011209 30.92 EPA8270 N-Nitrosodiphenylamine ug/Kg < 31011209 011209 30.92 EPA8270 4-Bromophenyl phenyl ether ug/Kg < 3130.92 EPA8270 Hexachlorobenzene ug/Kg < 31011209 ug/Kg < 31011209 30.92 EPA8270 Phenanthrene 30.92 EPA8270 Anthracene ug/Kg < 31011209 30.92 EPA8270 Di-n-Butyl Phthalate 011209 ug/Kg < 31ug/Kg < 31011209 30.92 EPA8270 Fluoranthene 30.92 EPA8270 ug/Kg < 31011209 Pyrene 30.92 EPA8270 BenzylButylPhthalate ug/Kg < 31011209 309.2 EPA8270 011209 3.3'-Dichlorobenzidine ug/Kg < 31030.92 EPA8270 Benzo(a)anthracene ug/Kg < 31011209

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LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR Page 24 Ľ of 6

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 01/19/09

LAB NO.290082.03

ATTN:	410 Saw Mill Riv Ardsley, NY 1050 Val Gatallin	
SOURCE OF SAMPLE: SOURCE OF SAMPLE:	101 Westmoreland	Avenue, #05-003
COLLECTED BY:		COL'D:01/07/09 RECETVED:01/08/09 COL'D:1000
MATRIX:Soil S.	AMPLE: S-3	

ANALYTICAL PARAMETERS	UNITS	R	ESULT	FLAG OF ANALYSIS		IETHOD
Chrysene	ug/Kg	<	31	011209	1 - C	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg			011209	30.92	EPA8270
Di-n-octyl Phthalate	ug/Kg			011209	30.92	EPA8270
Benzo(b)fluoranthene	ug/Kg			011209	30.92	EPA8270
Benzo(k)fluoranthene	ug/Kg			011209	30.92	EPA8270
Benzo(a)pyrene	ug/Kg			011209	30.92	EPA8270
Indeno(1,2,3-cd)pyrene	ng/Kg			011209	30.92	EPA8270
	ng/Kg			011209	30.92	EPA8270
Dibenzo(a.h)anthracene				011209		EPA8270
Benzo(ghi)perylene	ng/Kg	حر.	.) L	01/207	331 + 2 Ge	ERE TERT OF CONT

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LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR Page 25 6

ENVIRONMENTAL TESTING

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

LAB NO.290082.04

		GC Environmental, Incorporated 410 Saw Mill River Road Ardsley, NY 10502	
	ATTN:	Val Gatallin	P0#:8381
E 01	F SAMPLE:	101 Westmoreland Avenue, #05-003	

SOURCE OF SAMPLE: 101 West 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 report	ed on a dry weight	basis
		DATE TIME	ANALYLICAL
ANALYTICAL PARAMETERS	UNITS RESULT	FLAG OF ANALYSIS	LRL METHOD
	ug/Kg < 5.1	011209	5.050 EPA8260
Dichlordifluoromethane	ug/Kg < 5.1	011209	5.050 EPA8260
Chloromethane	ug/Kg < 5.1	011209	5.050 EPA8260
Vinyl Chloride		011209	5.050 EPA8260
Bromomethane	ug/Kg < 5.1	011209	5.050 EPA8260
Chloroethane	ng/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	ng/Kg < 5.1	011209	5.050 EPA8260
1,1 Dichloroethane	ug/Kg < 5.1		5.050 EPA8260
2,2-Dichloropropane	ng/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	
Benzene	ug/Kg < 5.1	011209	5.050 EPA8260
1.2 Dichloroethane	ng/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	ng/Kg < 5.1	011209	5.050 EPA8260
Bromodichloromethane	ug/Kg < 5.1	011209	5.050 EPA8260
c-1,3Dichloropropene	ng/Kg < 5.1	011209	5.050 EPA8260
	ng/Kg < 5.1	011209	5.050 EPA8260
Toluene			

cc:

LRL=Laboratory Reporting Limit

REMARKS:

NYSDOH ID # 10320

DIRECTOR

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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 01/19/09

LAB NO.290082.04

ATTN :	GC Environmental, 410 Saw Mill Rive Ardsley, NY 10502 Val Gatallin	r Road
SOURCE OF SAMPLE: SOURCE OF SAMPLE:	101 Westmoreland	Avenue, #05-003
COLLECTED BY:		COL'D:01/07/09 RECEIVED:01/08/09 COL'D:1000
MATRIX:Soil SA	MPLE: S-4	
ANALYTICAL PARAMETERS	Results UNITS RESUL	reported on a dry weight basis DATE TIME ANALYTICAL T FLAG OF ANALYSIS LRL METHOD
t-1,3Dichloropropene 112 Trichloroethane	ug/Kg < 5.1 ug/Kg < 5.1	011209 5.050 EPA8260

ug/Kg	< 5.1	011209	5.050 EPA8260
ng/Kg	< 5.1		5.050 EPA8260
ug/Kg	< 5.1	011209	5.050 EPA8260
		011209	5.050 EPA8260
ug/Kg	< 5.1	011209	5.050 EPA8260
ug/Kg	< 5.1		5.050 EPA8260
ug/Kg	< 5.1		5.050 EPA8260
			5.050 EPA8260
ug/Kg	< 10		10.10 EPA8260
ug/Kg	< 5.1		5.050 EPA8260
ug/Kg	< 511		5.050 EPA8260
ug/Kg	< 5.1		5.050 EPA8260
ug/Kg	< 5.1		5.050 EPA8260
ug/Kg	< 5.1		5.050 EPA8260
			5.050 EPA8260
		・ しんしょう しんしょう しんしょう ないかくしょう かんしょう	5.050 EPA8260
			5.050 EPA8260
11g/Kg	< 5.1		5.050 EPA8260
ug/Kg	< 5.1		5.050 EPA8260
ug/Kg	< 5.1		5.050 EPA8260
ug/Kg	< 5.1		5.050 EPA8260
ug/Kg	< 5.1		5.050 EPA8260
			5.050 EPA8260
ng/Kg	< 5.1	011209	5.050 EPA8260
	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	<pre>ug/Kg < 5.1 ug/Kg < 5.1</pre>	ug/Kg < 5.1

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR Page 27 of 6 lpage 1

NYSDOH TO # 10320

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

01/19/09

LAB NO.290082.04

ATTN :	410 Saw Mill Rive Ardsley, NY 10502 Val Gatallin	
SOURCE OF SAMPLE: SOURCE OF SAMPLE:	101 Westmoreland	Avenue, #05-003
COLLECTED BY:		COL'D:01/07/09 RECEIVED:01/08/09
		COL'D:1000
MATRIX:Soil SA	MPLE: S-4	

	ingarra raha	. Cou vn a usy weign	L VOALA
	an a	DATE TIME	ANALYTICAL
ANALYTICAL PARAMETERS	UNITS RESULT	FLAG OF ANALYSI:	S LRL 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)	ng/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	ng/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	ng/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	ng/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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REMARKS:

DIRECTOR Page 28 3 of 6

LRL=Laboratory Reporting Limit

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

ENVIRONMENTAL TESTING

Email: ecotestlab@aol.com Website: www.ecotestlabs.com 01/19/09

1,AB NO.290082.04

410 Ards	Invironme Saw Mill Sley, NY Gatallin	River R 10502	corporated oad PO #: 838	31
	Westmore	eland Ave	nue, #05-003	
SOURCE OF SAMPLE: COLLECTED BY: Clie	ent	DATE COL TIME COL	'D:01/07/09 RECEIVED:0	1/08/09
MATRIX:Soil SAMPLE:	S-4	t Litta (FUL)		
	Re	esults re	ported on a dry weight DATE TIME	ANALYTICAL
ANALYTICAL PARAMETERS	UNTITS	RESULT	FLAG OF ANALYSIS	
Bis(2-chloroethyl)ether	ug/Kg		011209	30.30 EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg		011209	30.30 EPA8270
1,4 Dichlorobenzene(sv)	ng/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)ethe		< 30	011209	30.30 EPA8270
N-Nitrosodi-n-propylamine	ng/Kg	< 30	011209	30.30 EPA8270
Hexachloroethane	ng/Kg	< 30	011209	30.30 EPA8270
	ng/Kg	< 30	011209	30.30 EPA8270
Nitrobenzene	$\frac{11}{11}$		011209	30.30 EPA8270
Isophorone			011209	30.30 EPA8270
Bis(2-chloroethoxy)methane	ug/Kg		011209	30.30 EPA8270
124-Trichlorobenzene (sv)	ug/Kg		011209	30.30 EPA8270
Naphthalene(sv)	ug/Kg	< 30	011209	30.30 EPA8270
4-Chloroaniline Hexachlorobutadiene	ug/Kg	< 30	011209	30.30 EPA8270
	ug/Kg	< 30	011209	30.30 EPA8270
2-Methylnaphthalene	ug/Kg	< 300	011209	303.0 EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 30	011209	30.30 EPA8270
2-Chloronaphthalene	ug/Kg	< 30 < 30	011209	30.30 EPA8270
2-Nitroaniline	ng/Kg	< 30	011209	30.30 EPA8270
Dimethyl Phthalate	ug/Kg		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		011209	30.30 EPA8270
Acenaphthene	ug/Kg		011209	30.30 EPA8270
Dibenzofuran	08/ 78	S (23)	• Z • • • • • • •	
cc:				

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR Page 29 1.2 phge

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 01/19/09

LAB NO.290082.04

ATTN :	GC Environmental 410 Saw Mill Rive Ardsley, NY 10509 Val Gatallin	er Road
SOURCE OF SAMPLE:	101 Westmoreland	Avenue, #05-003
SOURCE OF SAMPLE: COLLECTED BY:		COL'D:01/07/09 RECEIVED:01/08/09 COL'D:1000
, , , , , , , , , , , , , , , , , , , 	MPLE: S-4	

Results reported on a dry weight basis

an de la companya de Companya de la company

· 영화 (1997) · 영화 (1997) · 영화 (1997) · 영화 (1997) · 영화 (1997) · 영화 (1997) · 영報 (1997) · 영화 (1997) · 영화 (1997)		DATE TIME	ANALYTICAL
ANALYTICAL PARAMETERS	UNITS RESULT	FLAG OF ANALYSIS	LRL 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	ng/Kg < 30	011209	30.30 EPA8270
N-Nitrosodiphenylamine	ng/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	ng/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	ng/Kg < 30	011209	30.30 EPA8270
3,3'-Dichlorobenzidine	ng/Kg < 300	011209	303.0 EPA8270
Benzo(a)anthracene	ug/Kg < 30	011209	30.30 EPA8270
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LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR Page 30 c,

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.	04		01/19/09
		onmental, Incorporated fill River Road NY 10502	
ATTN:	Val Gatal	llin	PO#:8381
SOURCE OF SAMPLE: SOURCE OF SAMPLE:	101 Westn	moreland Avenue, #05-0	03
COLLECTED BY:	Client	DATE COL'D:01/07/0 TIME COL'D:1000	9 RECEIVED:01/08/09
MATRIX:Soil SA	MPLE: S-4		
		Results reported on a	a dry weight basis

- 44	사실 등 이 가슴이 있는 것을 가야 한 것을 하는 것을 하는 것이 있다. 이 가슴이 있는 것이 있다. 이 가슴이 있는 것이 가 있는 것이 없는 것이 있 않는 것이 없는 것이 없는 것이 없는 것이 없다. 않은 않은 것이 없는 것이 없다. 것이 없는 것이 있는 것이 없는 것이 없 않이 않이 않이 않는 것이 없는 것이 없 것이 않아, 것이 않아, 것이 없는 것이 없다. 것이 없는 것이 없는 것이 없는 것이 없는 것이 없이 않아, 것이 없는 것이 없다. 것이 없는 것이 없는 것이 없는 것이 없는 것이 없이 않아. 것이 않아, 것이 없는 것이 없는 것이 없이 않아, 않아, 것이 않아, 것이 않아, 않아, 것이 없다. 것이 않아, 것이 않아, 않아, 것이 않아, 않아, 것이 없다. 것이 없이 않아, 것이 없는 것이 없이 않아, 않아, 않아, 것이 없이 않 것이 것이 없 것이 없 않아, 것이 않아, 것이 않아, 것이 없 않아, 것이 않아, 것이 않아, 것이 않아, 것이 않아, 것이 없 않아, 것이 않아, 것이 않아, 것이 않아, 것이 없 않아, 않아, 있 않아, 것이 없 않아, 않아, 않아, 것이 없 않아, 않아, 않아, 않아, 않아, 않아, 않아, 않아, 않이 않아, 않이 않아, 않이 않아, 않이 않아, 않아, 않아, 않이 않아, 않이 않아, 않아, 않이 않아, 않	11.C	स्त्र के प्र	ut to an	reported ou a dry werght		
- 7					DATE TIME	AN	ALYTICAL
	ANALYTICAL PARAMETERS	UNITS	R	ESULT	FLAG OF ANALYSIS	LRL	METHOD
in in in it. In it.	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



LRL=Laboratory Reporting Limit

REMARKS:

cc;

DIRECTOR Page 31 NYSDOH ID # 10320 6 of 6

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

ATTN :	GC Environmental 410 Saw Mill Rive Ardsley, NY 10502 Val Gatallin	er Road
SOURCE OF SAMPLE: SOURCE OF SAMPLE:	101 Westmoreland	
COLLECTED BY:		COL'D:01/07/09 RECEIVED:01/08/09 COL'D:1000
MATRIX:Soil SA	MPLE: S-5	an a

	Results	reported on a dry weight	basis
antandi bertar bertar bertar bertar bertar bertar Beredi bertar bertar bertar bertar bertar bertar bertar bert Bertar	e e l'anne de la collette distripué de la Caldar. A la collection de la Caldar de La collection de la collection	DATE TIME	ANALYTICAL
ANALYTICAL PARAMETERS	UNITS RESULT	FLAG OF ANALYSIS	LRL 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	ng/Kg < 5.2	011209	5.208 EPA8260
Chloroethane	ug/Kg < 5.2	011209	5.208 EPA8260
Trichlorofluoromethane	ng/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		5.208 EPA8260
Bromochloromethane	ug/Kg < 5.2	011209	5.208 EPA8260
Chloroform	ug/Kg < 5.2	011209	5.208 EPA8260

			East Sector		5		
2,2-Dichloropropane	ug/Kg	<	5.2		011209	5.208	EPA8260
c-1,2-Dichloroethene	ug/Kg	<	5.2	- 	011209		EPA8260
Bromochloromethane	ug/Kg	<	5.2		011209		EPA8260
Chloroform	ug/Kg	<	5.2		011209		EPA8260
111 Trichloroethane	ug/Kg	<	5.2		011209		EPA8260
Carbon Tetrachloride	11g/Kg				011209		EPA8260
1,1-Dichloropropene	ug/Kg	<	5.2		011209	1 - 42 A - 4	EPA8260
Benzene	ug/Kg				011209	しん うい ほかならる み	EPA8260
 1,2 Dichloroethane	and the second	1.12 A. 12 A.	5.2		011209	 A state of the second State of the State of the State of the second state	EPA8260
Trichloroethene	ug/Kg				011209		EPA8260
1,2 Dichloropropane	ug/Kg				011209		EPA8260
Dibromomethane	ug/Kg	<	5.2		011209	5.208	
Bromodichloromethane	ug/Kg				011209		EPA8260
c-1,3Dichloropropene	ug/Kg	<	5.2		011209		EPA8260
Toluene	ug/Kg				011209		EPA8260
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LRL=Laboratory Reporting Limit

REMARKS:

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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	om websit	01/19/09	
ATTN :	GC Environm 410 Saw Mil Ardsley, NY Val Gatalli	1 River Rom 10502		381
SOURCE OF SAMPLE: SOURCE OF SAMPLE:	101 Westmor	eland Aven	ue, #05-003	
COLLECTED BY:	Client		D:01/07/09 RECEIVED:(01/08/09
MATRIX:Soil SA	AMPLE: S-5	TIME COL'I	0,1000	
n - Standard - St Standard - Standard - Stan	R	esults repo	orted on a dry weight DATE TIME	t basis ANALYTTCAL
ANALYTTCAL PARAMETERS	UNTTS	RESULT	FLAG OF ANALYSIS	
t-1,3Dichloropropene		< 5.2	011209	5.208 EPA8260
112 Trichloroethane		< 5.2	011209	5.208 EPA8260
Tetrachloroethene		< 5.2	011209	5.208 EPA8260
1,3-Dichloropropane		< 5.2	011209	5.208 EPA8260
Chlorodibromomethane		< 5.2	011209	5.208 EPA8260
1.2 Dibromoethane		< 5.2	011209	5.208 EPA8260
Chlorobenzene		< 5.2	011209	5.208 EPA8260
Ethyl Benzene		< 5.2	011209	5.208 EPA8260
1112Tetrachloroethane		< 5.2	011209	5.208 EPA8260
m + p Xylene	ug/Kg	< 10	011209	10.41 EPA8260
o Xylene	ng/Kg	< 5.2	011209	5.208 EPA8260
Styrene	ug/Kg	< 5.2	011209	5.208 EPA8260
Bromoform		< 5.2	011209	5.208 EPA8260
Isopropylbenzene	ng/Kg	< 5.2	011209	5.208 EPA8260
Bromobenzene		< 5.2	011209	5.208 EPA8260
1122Tetrachloroethane	ng/Kg	< 5.2	011209	5.208 EPA8260
123-Trichloropropane		< 5.2	011209	5.208 EPA8260
n-Propylbenzene		< 5.2	011209	5.208 EPA8260
2-Chlorotoluene		< 5.2	011209	5.208 EPA8260
135-Trimethylbenzene		< 5.2	011209	5.208 EPA8260
4-Chlorotoluene		< 5.2	011209	5.208 EPA8260
tert-Butylbenzene		< 5.2	011209	5.208 EPA8260
124-Trimethylbenzene		< 5.2	011209	5.208 EPA8260
sec-Butylbenzene		< 5.2	011209	5.208 EPA8260
p-Isopropyltoluene	ug/Kg	< 5.2	011209	5.208 EPA8260
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LRL=Laboratory Reporting Limit

REMARKS:

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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

1.A.N. NU.290082.0		01/19/09			
ATTN:	GC Environme 410 Saw Mill Ardsley, NY Val Gatallir	10502	ated P0 #: 838	31	
SOURCE OF SAMPLE: SOURCE OF SAMPLE: COLLECTED BY:	101 Westmore Client	DATE COL'D:01/ TIME COL'D:100	07/09 RECEIVED:01	/08/09	
MATRIX:Soil SAM	PLE: S-5				
e da ser en la seconda de l Referencia de la seconda de	Re	sults reported	on a dry weight DATE TIME	basis ANALYTICAL	
ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG OF ANALYSIS		
1,3 Dichlorobenzene (v)			011209	5.208 EPA8260	
1,4 Dichlorobenzene (v		< 5.2	011209	5.208 EPA8260	
n-Butylbenzene	ng/Kg		011209	5.208 EPA8260	
1,2 Dichlorobenzene (v)			011209	5.208 EPA8260	
Dibromochloropropane	ug/Kg		011209	5.208 EPA8260	
124-Trichlorobenzene (v			011209	5.208 EPA8260	
Hexachlorobutadiene	ug/Kg		011209	5.208 EPA8260	
Naphthalene(v)	ug/Kg		011209	5.208 EPA8260	
123-Trichlorobenzene	ng/Kg		011209	5.208 EPA8260	
ter.ButylMethylEther	ng/Kg		011209	5.208 EPA8260	
p-Ethyltoluene	ug/Kg	< 5.2	011209	5.208 EPA8260	
Freon 113	ug/Kg		011209	5.208 EPA8260	
1245 Tetramethylbenz	ug/Kg		011209	5.208 EPA8260	
Acetone	ug/Kg	< 52	011209	52.08 EPA8260	
Methyl Ethyl Ketone	ng/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	

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LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR Page 34 3 of 6 age

ENVIRONMENTAL TESTING

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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 PO#:8381

SOURCE OF SAMPLE: 101 Westmoreland Avenue, #05-003 SOURCE OF SAMPLE: COLLECTED BY: Client DATE COL'D:01/07/09 1

DATE COL'D:01/07/09 RECETVED:01/08/09 TIME COL'D:1000

MATRIX:Soil SAMPLE: S-5

Results reported on a dry weight basis

			DATE TIME	ANALYTICAL
ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG OF ANALYSTS	LRL METHOD
Bis(2-chloroethyl)ether	ng/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	tig/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	ng/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		011209	31.25 EPA8270
4-Chloroaniline	ug/Kg		011209	31.25 EPA8270
Hexachlorobutadiene	ug/Kg		011209	31.25 EPA8270
2-Methylnaphthalene	ng/Kg	< 31	011209	31.25 EPA8270
Hexachlorocyclopentadiene	ug/Kg		011209	312.5 EPA8270
2-Chloronaphthalene	ug/Kg		011209	31.25 EPA8270
2-Nitroaniline	ug/Kg		011209	31.25 EPA8270
Dimethyl Phthalate	ug/Kg		011209	31.25 EPA8270
Acenaphthylene	ug/Kg		011209	31.25 EPA8270
2,6-Dinitrotoluene	ug/Kg	< 31	011209	31.25 EPA8270
3-Nitroaniline	ng/Kg	< 31	011209	31.25 EPA8270
Acenaphthene	ug/Kg	< 31	011209	31.25 EPA8270
Dibenzofuran	ug/Kg	< 31	011209	31.25 EPA8270

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LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR Page 35 6 4 of

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 PO#:8381

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

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

teren fan de sense en de sense en sens Sense en sense en sen	an a		terio de la constitución de la constitución de la constitución Notas	DATE TIME	ANALYTICAL
ANALYTICAL PARAMETERS	UNITS	RI	SULT	FLAG OF ANALYSIS	L.RL METHOD
2,4-Dinitrotoluene	ng/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			011209	31.25 EPA8270
N-Nitrosodiphenylamine	ug/Kg	<	31	011209	31.25 EPA8270
4-Bromophenyl phenyl ether	ng/Kg	<	31	011209	31.25 EPA8270
Hexachlorobenzene	ug/Kg	<	31	011209	31.25 EPA8270
Phenanthrene	ng/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
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LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR Page 36 5 of 6

ENVIRONMENTAL TESTING

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

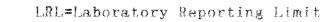
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.290082.05

01/19/09

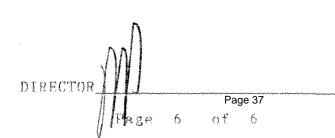
1.201 102.27002.0	,		017()7()	
			PO#:83	81
SOURCE OF SAMPLE: SOURCE OF SAMPLE:	101 Westmore	eland Avenue,	#05-003	
COLLECTED BY:	Client	DATE COL'D:01 TIME COL'D:10	/07/09 RECEIVED:0	1/08/09
MATRIX:Soil SAM	IPLE: S-5			
			d on a dry weight DATE TIME	ANALYIICAL
ANALYTICAL PARAMETERS		RESULT	A BOLER ST STE KENDER KULLER BOLE AU	
Chrysene	ug/Kg	≤ 31	011209	31.25 EPA8270
Bis(2-ethylhexyl)phthal			011209	31.25 EPA8270
Di-n-octyl Phthalate Benzo(b)fluoranthene	ug/Kg ug/Kg		011209 011209	31.25 EPA8270 31.25 EPA8270
Benzo(k)fluoranthene	ug/Kg		011209	31.25 EPA8270
Benzo(a)pyrene	ug/Kg		011209	31.25 EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg		011209	31.25 EPA8270
Dibenzo(a,h)anthracene	ug/Kg		011209	31.25 EPA8270
Benzo(ghi)perylene	ug/Kg		011209	31.25 EPA8270





REMARKS:

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

LAB NO.290082.	06		ebsile. www.e	01/19/09	1
ATTN :	GC Environme 410 Saw Mill Ardsley, NY Val Gatallir	L River 10502		ed ₽0#:8	1381
SOURCE OF SAMPLE: SOURCE OF SAMPLE:	101 Westmore	eland /	lvenue, #05-	-003	
COLLECTED BY:	Client		COL'D:01/07/ COL'D:1000	'09 RECEIVED:	01/08/09
MATRIX:Soil SA	MPLE: S-6				
	···· Řě	sults	reported on	a dry weigh DATE TIME	t basis ANALYTICAL
ANALYTICAL PARAMETERS	UNITS	RESULT	FLA	G OF ANALYST	S LRL METHOD
Dichlordifluoromethane		< 5.1		011209	5.102 EPA8260
Chloromethane	ug/Kg			011209	5.102 EPA8260
Vinyl Chloride	ug/Kg			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			011209	5.102 EPA8260
t-1,2-Dichloroethene	ng/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	11g/Kg			011209	5.102 EPA8260
Bromochloromethane	ug/Kg	< 5.1		011209	5.102 EPA8260
Chloroform	ng/Kg	< 5.1		011209	5.102 EPA8260
111 Trichloroethane	ng/Kg	< 5.1		011209	5.102 EPA8260
Carbon Tetrachloride	ug/Kg			011209	5.102 EPA8260
1,1-Dichloropropene	ug/Kg		2	011209	5.102 EPA8260
Benzene	ug/Kg			011209	5.102 EPA8260
1,2 Dichloroethane	ug/Kg		e generation states qui	011209	5.102 EPA8260
Trichloroethene	ug7Kg			011209	5.102 EPA8260
1,2 Dichloropropane	ug/Kg			011209	5.102 EPA8260
Dibromomethane	ug/Kg			011209	5.102 EPA8260
Bromodichloromethane	ug/Kg			011209	5.102 EPA8260
c-1,3Dichloropropene	11g/Kg			011209	5.102 EPA8260
Toluene	ng/Kg			011209	5.102 EPA8260
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LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR Page 38 186 of 6

ENVIRONMENTAL TESTING

01/19/09

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

		ATTN:	410 Saw M Ardsley. Val Gatal	NY 1050	
	SOURCE OF		101 Westm		Avenue, #05-003
		CTED BY:	Client		COL'D:01/07/09 RECEIVED:01/08/09 COL'D:1000
	MATRIX:So		MPLE: S-6		
an Ang ang ang ang ang ang ang ang ang ang a	an a		an a	Result	The second on a dry weight basis DATE TIME ANALYTICAL THAG OF ANALYSIS LRL 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	ng/Kg < 5.1	011209	5.102 EPA8260
1.2 Dibromoethane	ug/Kg < 5.1	011209	5.102 EPA8260
Chlorobenzene	ng/Kg < 5.1	011209	5.102 EPA8260
Ethyl Benzene	ug/Kg < 5.1	011209	5.102 EPA8260
1112Tetrachloroethane		011209	5.102 EPA8260
m + p Xylene	ng/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	ng/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	ng/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	ng/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	ng/Kg < 5.1	011209	5.102 EPA8260
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LRL=Laboratory Reporting Limit

REMARKS:

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ENVIRONMENTAL TESTING

01/19/09

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

A) 1

	GC Environmental, 410 Saw Mill Rive Ardsley, NY 10502 Val Gatallin	r Road
SOURCE OF SAMPLE:	101 Westmoreland	Avenue, #05-003
SOURCE OF SAMPLE: COLLECTED BY:		COL'D:01/07/09 RECEIVED:01/08/09 COL'D:1000
MATRIX:Soil SAM	PLE: S-6	
	Results	reported on a dry weight basis DATE TIME ANALYTICAL
NALYTICAL PARAMETERS ,3 Dichlorobenzene (v) ,4 Dichlorobenzene (v)	UNITS RESUL ng/Kg < 5.1 ng/Kg < 5.1	011209 5.102 EPA8260 011209 5.102 EPA8260
-Butylbenzene	ug/Kg < 5.1	011209 5.102 EPA8260

	T' + DICHTOFADDUNCHE (*)	` C / `` C		and the state	10 AN AN AND A	100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100	
	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			011209	5.102	EPA8260
	124-Trichlorobenzene (v)	ug/Kg			011209	5.102	EPA8260
	Hexachlorobutadiene	ug/Kg			011209	5.102	EPA8260
	Naphthalene(v)	ug/Kg			011209	5.102	EPA8260
	123-Trichlorobenzene	ng/Kg			011209	5.102	EPA8260
	ter.ButylMethylEther	ug/Kg			011209	5.102	EPA8260
	p-Ethyltoluene	ug/Kg			011209	5.102	EPA8260
	Freon 113	ug/Kg			011209	5.102	EPA8260
	1245 Tetramethylbenz	ug/Kg			011209	5.102	EPA8260
	Acetone	ug/Kg			011209	51.02	EPA8260
	Methyl Ethyl Ketone	ug/Kg	<	51	011209	51.02	EPA8260
	Methylisobutylketone	ug/Kg			011209	51.02	EPA8260
	Chlorodifluoromethane	ug/Kg			011209	5.102	EPA8260
:,	p Diethylbenzene	ug/Kg			011209	5.102	EPA8260
N.						er en	
14 A	% Solids	an dagan sa San San	91	}	010909	0.1	182540G

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LRL=Laboratory Reporting Limit

REMARKS:

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ENVIRONMENTAL TESTING

01/19/09

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

LAB NU.290082.00			01/07/07	
4 A			orated P0 #: 838	3 1
SOURCE OF SAMPLE: 1	01 Wastmore	eland Avenue,	#05-003	
SOURCE OF SAMPLE:	UL WEBBURDE	stand Avenue,	#03 000	
	lient	DATE COL'D:0 TIME COL'D:1	1/07/09 RECEIVED:0	1/08/09
MATRIX:Soil SAMP	LE: S-6	TIME COL D.T	000	
			ed on a dry weight DATE TIME	ANALYTICAL
ANALYTICAL PARAMETERS	UNITS		FLAG OF ANALYSIS	
Bis(2-chloroethyl)ether		< 31 J	011209	30.61 EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg		011209	30.61 EPA8270
1,4 Dichlorobenzene(sv)	ng/Kg		011209	30.61 EPA8270
Carbazole	ug/Kg	< 31	011209	30.61 EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg		011209	30.61 EPA8270
Bis(2-chloroisopropyl)et	her ug/Kg	< 31	011209	30.61 EPA8270
N-Nitrosodi-n-propylamin	e ng/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		011209	30.61 EPA8270
Bis(2-chloroethoxy)metha	ne ug/Kg	< 31	011209	30.61 EPA8270
124-Trichlorobenzene (sv			011209	30.61 EPA8270
Naphthalene(sv)	ng/Kg	< 31	011209	30.61 EPA8270
4-Chloroaniline	ug/Kg	< 31	011209	30.61 EPA8270
Hexachlorobutadiene	ng/Kg	< 31	011209	30.61 EPA8270
2-Methylnaphthalene	ug/Kg	< 31	011209	30.61 EPA8270
Hexachlorocyclopentadien			011209	306.1 EPA8270
2-Chloronaphthalene	ng/Kg	< 31	011209	30.61 EPA8270
2-Nitroaniline	ug/Kg		011209	30.61 EPA8270
Dimethyl Phthalate	ug/Kg		011209	30.61 EPA8270
Acenaphthylene	ug/Kg		011209	30.61 EPA8270
2.6-Dinitrotoluene	ug/Kg		011209	30.61 EPA8270
3-Nitroaniline	ng/Kg		011209	30.61 EPA8270
Acenaphthene	ug/Kg		011209	30.61 EPA8270
Dibenzofuran	ug/Kg		011209	30.61 EPA8270
0e:				

LRL=Laboratory Reporting Limit

REMARKS:

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ENVIRONMENTAL TESTING

01/19/09

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

ATTN :	GC Environmental 410 Saw Mill Rive Ardsley, NY 1050 Val Gatallin	er Road
SOURCE OF SAMPLE: SOURCE OF SAMPLE:	101 Westmoreland	Avenue, #05-003
COLLECTED BY:		COL'D:01/07/09 RECEIVED:01/08/09 COL'D:1000

Results reported on a dry weight basis

		DATE 1	TIME ANALYTICAL
ANALYTICAL PARAMETERS	UNITS RES	SULT FLAG OF ANA	LYSIS LRL METHOD
2,4-Dinitrotoluene	ng/Kg < 3	31 011209	30.61 EPA8270
Diethyl Phthalate	11g/Kg <	31 011209	30.61 EPA8270
4-Chlorophenyl phenyl eth	ner ug/Kg < 3	31 011209	30.61 ÉPA8270
Fluorene	ug/Kg < 3	31 011209	30.61 EPA8270
4-Nitroaniline	ug/Kg < 3	31 011209	30.61 EPA8270
N-Nitrosodiphenylamine	ug/Kg < 3	31 011209	30.61 EPA8270
4-Bromophenyl phenyl ethe	r = ug/Kg < 3	31 011209	30.61 EPA8270
Hexachlorobenzene	ng/Kg < 3	31 011209	30.61 EPA8270
Phenanthrene	ug/Kg < 3	31 011209	30.61 EPA8270
Anthracene	ug/Kg < 3	31 011209	30.61 EPA8270
Di-n-Butyl Phthalate	ug/Kg < B	31 011209	30.61 EPA8270
Fluoranthene	ug/Kg < 3	31 011209	30.61 EPA8270
Pyrene	ng/Kg < 3	011209	30.61 EPA8270
BenzylButylPhthalate	ug/Kg < 3	31 011209	30.61 EPA8270
3,3'-Dichlorobenzidine	ng/Kg < 3	310 011209	306.1 EPA8270
Benzo(a)anthracene	ug/Kg < 3	31 011209	30.61 EPA8270
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LRL=Laboratory Reporting Limit

REMARKS:

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DIRECTOR Page 42 5 age 6 0f

NYSDOH TD # 10320

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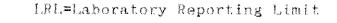
ENVIRONMENTAL TESTING

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

4 1 Ar	C Environme O Saw Mill dsley, NY I Gatallin	River Roa 10502		81
SOURCE OF SAMPLE: 10 SOURCE OF SAMPLE:	11 Westmore	land Aven	1e, #05~003	
COLLECTED BY: C1		DATE COL'I	D:01/07/09 BECELVED:0 D:1000	01/08/09
MATRIX:Soil SAMPL				
	Re	sults repo	orted on a dry weight DATE TIME	basis ANALYTICAL
ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG OF ANALYSTS	
Chrysene		< 31	011209	30.61 EPA8270
Bis(2-ethylhexyl)phthalat			011209	30.61 EPA8270
Di-n-octyl Phthalate	ng/Kg		011209	30.61 EPA8270
Benzo(b)fluoranthene	ug/Kg		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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REMARKS:

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DIRECTOR Page 43 6

NYSDOH ID # 10320

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.290082.07

01/19/09

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

SOURCE OF SAMPLE: 101 West

SAMPLE: S-7

ATTN:

: 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

Results reported on a dry weight basis DATE TIME ANALYTICAL UNITS RESULT FLAG OF ANALYSIS LRL METHOD ANALYTICAL PARAMETERS 011209 5.050 EPA8260 Dichlordifluoromethane ug/Kg < 5.15.050 EPA8260 Chloromethane iig/Kg < 5.1011209 Vinyl Chloride ng/Kg < 5.1011209 5.050 EPA8260 ug/Kg < 5.1011209 5.050 EPA8260 Bromomethane 5.050 EPA8260 ug/Kg < 5.1011209 Chloroethane 5.050 EPA8260 ug/Kg < 5.1011209 Trichlorofluoromethane 5.050 EPA8260 1.1 Dichloroethene ng/Kg < 5.1011209 ug/Kg < 5.1ug/Kg < 5.15.050 EPA8260 Methylene Chloride 011209 t-1.2-Dichloroethene 011209 5.050 EPA8260 ug/Kg < 5.1011209 5.050 EPA8260 1.1 Dichloroethane 5.050 EPA8260 ug/Kg < 5.1011209 2.2-Dichloropropane 5.050 EPA8260 ug/Kg < 5.1011209 c-1,2-Dichloroethene ng/Kg < 5.15.050 EPA8260 Bromochloromethane 011209 5.050 EPA8260 ug/Kg < 5.1011209 Chloroform 5.050 EPA8260 111 Trichloroethane ug/Kg < 5.1011209 Carbon Tetrachloride ug/Kg < 5.1011209 5.050 EPA8260 ug/Kg < 5.15.050 EPA8260 011209 1,1-DichLoropropene ug/Kg < 5.15.050 EPA8260 Benzene 011209 5.050 EPA8260 011209 ug/Kg < 5.11.2 Dichloroethane ug/Kg < 5.1011209 5.050 EPA8260 Trichloroethene 5.050 EPA8260 1,2 Dichloropropane ug/Kg < 5.1011209 Dibromomethane ug/Kg < 5.1011209 5.050 EPA8260 ng/Kg < 5.1011209 5.050 EPA8260 Bromodichloromethane 5.050 EPA8260 iig/Kg < 5.1011209 e-1.3Dichloropropene 5.050 EPA8260 ug/Kg < 5.1011209 Toluene

ee:

LRL=Laboratory Reporting Limit

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REMARKS:

NYSDOH TD # 10320

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DIRECTOR

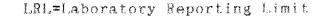
ENVIRONMENTAL TESTING

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

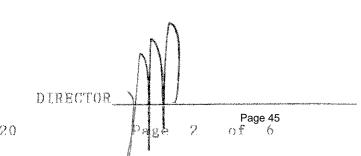
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.290082.07	lab@a01.c0	III Website. ww	01/19/09	
410 Ard			ated 20 #: 838	3 1
SOURCE OF SAMPLE:	ent	land Avenue, # DATE COL'D:01/(TIME COL'D:100)	07/09 RECEIVED:0	1/08/09
	Re	sults reported	on a dry weight	
ANALYTICAL PARAMETERS t-1.3Dichloropropene 112 Trichloroethane Tetrachloroethane Tetrachloropropane Chlorodibromomethane 1.3-Dichloropropane Chlorobenzene Ethyl Benzene 1112Tetrachloroethane m + p Xylene o Xylene Styrene Bromoform Isopropylbenzene Bromobenzene 1122Tetrachloroethane 123-Trichloropropane n-Propylbenzene 2-Chlorotoluene 135-Trimethylbenzene 4-Chlorotoluene tert-Butylbenzene	UNTTS ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng	<pre>< 5.1 < 5.1 10 < 5.1 < 5.</pre>	DATE TIME FLAG OF ANALYSTS 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209 011209	ANALYTICAL LRL METHOD 5.050 EPA8260 5.050 EPA8260
124-Trimethylbenzene sec-Butylbenzene p-Isopropyltoluene	ng/Kg ng/Kg ng/Kg	< 5.1 < 5.1	011209 011209 011209	5.050 EPA8260 5.050 EPA8260 5.050 EPA8260

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REMARKS:



ENVIRONMENTAL TESTING

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Email: eco LAB NO.290082.0		Website: www.ecotestlat 01/19/	
	GC Environmenta 410 Saw Mill Ri Ardsley, NY 105 Val Gatallin	ver Road 02	P0#:8381
	Client DAT	d Avenue, #05-003 E COL'D:01/07/09 RECE E COL'D:1000	IVED:01/08/09
ANALYTICAL PARAMETERS		ts reported on a dry DATE	
1,3 Dichlorobenzene (v) 1,4 Dichlorobenzene (v) n-Butylbenzene 1,2 Dichlorobenzene (v)	ug/Kg < 5 ug/Kg < 5 ug/Kg < 5	.1 011209 .1 011209 .1 011209 .1 011209	5.050 EPA8260 5.050 EPA8260 5.050 EPA8260
Dibromochloropropane 124-Trichlorobenzene (v Hexachlorobutadiene Naphthalene(v)	ng/Kg < 5	.1 011209 .1 011209 .1 011209	5.050 EPA8260 5.050 EPA8260 5.050 EPA8260
123-Trichlorobenzene ter.ButylMethylEther p-Ethyltoluene Freon 113	ng/Kg < 5 ng/Kg < 5 ng/Kg < 5 ng/Kg < 5 ng/Kg < 5	.1 011209 .1 011209 .1 011209	5.050 EPA8260 5.050 EPA8260 5.050 EPA8260
1245 Tetramethylbenz Acetone Methyl Ethyl Ketone Methylisobutylketone	ug/Kg < 5 ug/Kg < 5 ug/Kg < 5 ug/Kg < 5 ug/Kg < 5	1 011209 1 011209 1 011209 1 011209 1 011209 1 011209	50.50 EPA8260 50.50 EPA8260 50.50 EPA8260
Chlorodifluoromethane p Diethylbenzene % Solids	ug/Kg < 5 ug/Kg < 5 99	.1 011209	5.050 EPA8260

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NYSDOH ID # 10320

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ENVIRONMENTAL TESTING

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

LAB NO.290082.07

01/19/09

GC Environmental, Incorporated 410 Saw Mill River Road Ardsley, NY 10502 Val Gatallin

ATTN: Va

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-7

		nder hat p	osi	ilts	repor	ted	on a dry weigh	t basi	9	
		• • • • • • • • • • • • • • • • • • •	*****	,	a na provincia.	1.2 N.Y 1.00	DATE TIME			ALYTICAL
ANALYTICA	L. PARAMETERS	UNITS	R	SULT	6	F	LAG OF ANALYSIS		11 I S.	TETHOD
Bis(2-ch1	oroethyl)ether	ug/Kg	<	30			011209	30.	30	EPA8270
	orobenzene(sv)	ug/Kg	<	30		24	011209	30.	30	EPA8270
1,4 Dichl	orobenzene(sv)	ug/Kg	<	30			011209	30.	30	EPA8270
Carbazole	ě	ug/Kg	<	30			011209	30.	30	EPA8270
1,2 Dichl	orobenzene(sv)	ug/Kg	<	30			011209	30.	30	EPA8270
Bis(2-chl	oroisopropyl)ether	ug/Kg	<	30			011209	30.	30	EPA8270
N-Nitrosc	di-n-propylamine	ug/Kg	<	30			011209	30.	30	EPA8270
Hexachlor		ug/Kg	<	30			011209	30.	30	EPA8270
Nitrobenz	tene	ng/Kg	<	30			011209	30.	30	EPA8270
Isophoror	10	ug/Kg	<	30			011209	30.		EPA8270
Bis(2-ch)	oroethoxy)methane	ng/Kg	<	30			011209	30.	30	EPA8270
	vlorobenzene (sv)	ug/Kg	<	30			011209	30.		EPA8270
Naphthale	ene(sv)	ug/Kg	<	30			011209			EPA8270
4-Chloros		ug/Kg	<	30			011209	30.		
	robutadlene	ng/Kg	<	30			011209	30.3		EPA8270
그렇게 가장 갑장한 것이 같아요. 그는 것 같아요. 이 것 같아요.		ug/Kg	\leq	30			011209			EPA8270
	ocyclopentadiene	ug/Kg	. <	300	1		011209	303		EPA8270
	naphthalene	ug/Kg	1 A	30			011209			EPA8270
2-Nitroan	计正确编辑教育会议 化氯化物医氯化物医氯化物 化合物化 化分子子 计正式分子子 化合金化合金 化分子子	ng/Kg	< د	30	a dina dina dina dina dina dina dina din		011209	とうしん たたえ かんがんがん かたち	800 SI ST-40	EPA8270
	Phthalate	ug/Kg	<	1.0° 40°			011209	14		EPA8270
Acenaphth		ug/Kg	<	30			011209	30.		EPA8270
•	rotoluene	ug/Kg	<	1.2 1.7			011209	30.		EPA8270
3-Nitroan		ug/Kg		30			011209	30.		
Acenaphth		ug/Kg	<	30			011209	30.		EPA8270
Dibenzofu	man	ug/Kg	<	30			011209	30.3	30	EPA8270

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LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR 4

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NYSDOH TD # 10320

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ENVIRONMENTAL TESTING

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

LAN NU.290082.07		01/17/03				
410 Ards	Environme Saw Mill sley, NY Gatallin	l River 10502	Incorporated Road	P0#:838	31	
SOURCE OF SAMPLE: 101 SOURCE OF SAMPLE:	Westmore	eland A	venue, #05-0	0.3		
COLLECTED BY: Clie	ənt		COL'D:01/07/	09 RECEIVED:0)1/08/09	
MATRIX:Soil SAMPLE	: S-7					
	Re	sults		a dry weight DATE TIME	basis ANALYTICA	1.
ANALYTTCAL PARAMETERS	UNITS	RESULT		OF ANALYSIS	LRL METHOD	
2,4-Dinitrotoluene	iig/Kg	< 30		011209	30.30 EPA827	0
Diethyl Phthalate	ng/Kg	< 30		011209	30.30 EPA827	
4-Chlorophenyl phenyl ether	r ng/Kg	< 30		011209	30.30 EPA827	
Fluorene	ng/Kg	< 30		011209	30.30 EPA827	0
4-Nitroaniline	ng/Kg	< 30		011209	30.30 EPA827	0
N-Nitrosodiphenylamine	ng/Kg	< 30		011209	30.30 EPA827	0
4-Bromophenyl phenyl ether	ug/Kg	< 30		011209	30.30 EPA827	0
Hexachlorobenzene	ug/Kg	< 30		011209	30.30 EPA827	0
Phenanthrene	ng/Kg	< 30		011209	30.30 EPA827	0
Anthracene	ug/Kg	< 30		011209	30.30 EPA827	0
Di-n-Butyl Phthalate	ug/Kg	< 30		011209	30.30 EPA827	0
Fluoranthene	ug/Kg	< 30		011209	30.30 EPA827	0
Pyrene	ug/Kg	< 30		011209	30.30 EPA827	0
BenzylButylPhthalate	ng/Kg	< 30		011209	30.30 EPA827	0
3,3'-Dichlorobenzidine	ug/Kg	< 300		011209	303.0 EPA827	0
Benzo(a)anthracene	ng/Kg	< 30		011209	30.30 EPA827	0
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LRL=Laboratory Reporting Limit

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NYSDOH TD # 10320

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

LAB NO.290082.07

	0	1	/1	9	/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-7

	R	esults reported on		
	A. 11		DATE TIME	ANALYTICAL
ANALYTICAL PARAMETERS	UNITS	RESULT FLAG	OF ANALYSIS	LRL METHOD
Chrysene	ng/Kg	< 30	011209	30.30 EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	< 30	011209	30.30 EPA8270
Di-n-octyl Phthalate	ng/Kg	< 30	011209	30.30 EPA8270
Benzo(b)fluoranthene	ug/Kg	< 30	011209	30.30 EPA8270
Benzo(k)fluoranthene	ng/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	ng/Kg	< 30	011209	30.30 EPA8270
Benzo(ghi)perylene	ng/Kg	< 30	011209	30.30 EPA8270

LRL=Laboratory Reporting Limit

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NYSDOH TD # 10320

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Email: ecotestlab@aol.com Website: www.ecotestlabs.com 01/19/09

LAB NO.290082.08

ATTN :	GC Environmental, 410 Saw Mill Rive Ardsley, NY 10502 Val Gatallin	r Road
	101 Westmoreland	Avenue, #05-003
SOURCE OF SAMPLE: COLLECTED BY:		COL'D:01/07/09 RECEIVED:01/08/09 COL'D:1000
MATRIX:Soil SA	MPLE: S-8	

	Results repo	orted on a dry weight	basis
		DATE TIME	ANALYTICAL
ANALYTICAL PARAMETERS	UNITS RESULT	FLAG OF ANALYSIS	
Dichlordifluoromethane	11g/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	ng/Kg < 5.3	011209	5.263 EPA8260
Chloroform	ng/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	mg/Kg < 5.3	011209	5,263 EPA8260
Trichloroethene	11g/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	ng/Kg < 5.3	011209	5.263 EPA8260
Toluene	ug/Kg < 5.3	011209	5.263 EPA8260
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LRL=Laboratory Reporting Limit

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DIRECTOR Page 50 4 age

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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 1

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 DATE TIME ANALYTICAL ANALYTICAL PARAMETERS UNITS RESULT FLAG OF ANALYSIS LRL METHOD t-1.3Dichloropropene ng/Kg < 5.3011209 5.263 EPA8260 ug/Kg < 5.3112 Trichloroethane 011209 5.263 EPA8260 ng/Kg 100 Tetrachloroethene 011209 5.263 EPA8260 1,3-Dichloropropane ug/Kg < 5.3011209 5.263 EPA8260 Chlorodibromomethane ug/Kg < 5.3011209 5.263 EPA8260 1.2 Dibromoethane ug/Kg < 5.3011209 5.263 EPA8260 ug/Kg < 5.3Chlorobenzene 011209 5.263 EPA8260 ug/Kg < 5.3Ethyl Benzene 011209 5.263 EPA8260 1112Tetrachloroethane ng/Kg < 5.3011209 5.263 EPA8260 ng/Kg < 1110.52 EPA8260 m + p Xylene 011209 ug/Kg < 5.3o Xylene 011209 5.263 EPA8260 Styrene ug/Kg < 5.3011209 5.263 EPA8260 Bromoform ug/Kg < 5.3011209 5.263 EPA8260 Isopropylbenzene ug/Kg < 5.3011209 5.263 EPA8260 ng/Kg < 5.3Bromobenzene 5.263 EPA8260 011209 1122Tetrachloroethane ug/Kg < 5.3011209 5.263 EPA8260 123-Trichloropropane ug/Kg < 5.3011209 5.263 EPA8260 n-Propylbenzene 11g/Kg < 5.3011209 5.263 EPA8260 ug/Kg < 5.3ug/Kg 7.42-Chlorotoluene 011209 5.263 EPA8260 135-Trimethylbenzene 011209 5.263 EPA8260 4-Chlorotoluene ug/Kg < 5.3011209 5.263 EPA8260 tert-Butylbenzene ng/Kg < 5.3011209 5.263 EPA8260 124-Trimethylbenzene ug/Kg 12 011209 5.263 EPA8260 ng/Kg < 5.3sec-Butylbenzene 011209 5.263 EPA8260 p-Isopropyltoluene ng/Kg < 5.3011209 5.263 EPA8260 cc:

LRL=Laboratory Reporting Limit

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NYSDOH ID # 10320

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ENVIRONMENTAL TESTING

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

LAB NO.290082.08

ATTN :	GC Environmental 410 Saw Mill Rive Ardsley, NY 1050 Val Gatallin	er Road
	101 Westmoreland	Avenue, #05-003
SOURCE OF SAMPLE: COLLECTED BY:		COL'D:01/07/09 RECEIVED:01/08/09 COL'D:1000

MATRIX:Soil SAMPLE: S-8

	Results rep	orted on a dry weight	basis
en an an Andrea an Andrea an Andrea an Angrea An an Angrea an Angrea an Angrea an Angrea an Angrea an Angrea an		DATE TIME	ANALYTTCAL
ANALYTICAL PARAMETERS	UNITS RESULT	FLAG OF ANALYSIS	
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	mg/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
	ug/Kg < 5.3	011209	5.263 EPA8260
124-Trichlorobenzene (v)	ng/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		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	ng/Kg 16	011209	52.63 EPA8260
Acetone	ng/Kg < 53	011209	52.63 EPA8260
Methyl Ethyl Ketone	ug/Kg < 53		52.63 EPA8260
Methylisobutylketone	ug/Kg < 53	011209	5.263 EPA8260
Chlorodifluoromethane	ng/Kg < 5.3	011209	5.263 EPA8260
p Diethylbenzene	ug/Kg < 5.3	011209	5.203 BRABLUV
			0.1 182540G
% Solids	95 (A. 1995)	010909	0.1 182540G

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LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR 3

ORage 52

NYSDOH ID # 10320

COTEST 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

	GC Environmental, Incorporated 410 Saw Mill River Road	
A TTTTAT -	Ardsley, NY 10502 Val Gatallin	P0#:8381
ALL LIV.	Ved L. Crek Get L. (. 3. C)	ru#,0001
SOURCE OF SAMPLE:	101 Westmoreland Avenue, #05-00	3

SOURCE OF SAMPLE: COLLECTED BY: Client

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

01/19/09

MATRIX:Soil

SAMPLE: S-8

	Re	esults	reported on a dry weight	basis
			DATE TIME	ANALYTICAL
ANALYTICAL PARAMETERS	UNITS	RESULT		 A second definition of the second s
Bis(2-chloroethy1)ether	ug/Kg		011209	31.57 EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg		011209	31.57 EPA8270
1,4 Dichlorobenzene(sv)	ng/Kg		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	ng/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)	uğ/Kg	< 32	011209	31.57 EPA8270
Naphthalene(sv)	ng/Kg	44	011209	31.57 EPA8270
4-Chloroaniline	ng/Kg	< 32	011209	31.57 EPA8270
Hexachlorobutadiene	ug/Kg	< 32	011209	31.57 EPA8270
2-Methylnaphthalene	ug/Kg		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	3 32	011209	31.57 EPA8270
Dimethyl Phthalate	ug/Kg	< 32	011209	31.57 EPA8270
Acenaphthylene	ng/Kg		011209	31.57 EPA8270
2,6-Dinitrotoluene	ug/Kg	< 32	011209	31.57 EPA8270
3-Nitroaniline	ug/Kg	< 32	011209	31.57 EPA8270
Acenaphthene	ng/Kg	< 32	011209	31.57 EPA8270
Dibenzofuran	ug/Kg	< 32	011209	31.57 EPA8270
cc:				

LRL=Laboratory Reporting Limit

REMARKS

DIRECTOR NYSDOH ID # 10320 Page 4 of 6

COLEST 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

01/19/09

LAB NO.290082.08

ATTN :	GC Environmen 410 Saw Mill Ardsley, NY Val Gatallin		P0#:8381
	101 Westmore	and Avenue, #05-003	
SOURCE OF SAMPLE: COLLECTED BY:		DATE COL'D:01/07/09 RE CIME COL'D:1000	CEIVED:01/08/09
MATRIX:Soil SA	MPLE: S-8		

	R	esults rep	ported on a dry weight DATE TIME	basis ANALYTICAL
ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG OF ANALYSIS	
	ng/Kg	< 32	011209	31.57 EPA8270
Diethyl Phthalate	ug/Kg		011209	31.57 EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 32	011209	31.57 EPA8270
Fluorene	11g/Kg		011209	31.57 EPA8270
4-Nitroaniline	ng/Kg		011209	31.57 EPA8270
N-Nitrosodiphenylamine	ug/Kg		011209	31.57 EPA8270
4-Bromophenyl phenyl ether	ug/Kg		011209	31.57 EPA8270
Hexachlorobenzene	ug/Kg		011209	31.57 EPA8270
Phenanthrene	ug/Kg		011209	31.57 EPA8270
Anthracene	11g/Kg		011209	31.57 EPA8270
Di-n-Butyl Phthalate	ng/Kg		011209	31.57 EPA8270
Fluoranthene	ug/Kg		011209	31.57 EPA8270
Pyrene	ug/Kg		011209	31.57 EPA8270
BenzylButylPhthalate	ug/Kg		011209	31.57 EPA8270
3.3'-Dichlorobenzidine		< 320	011209	315.7 EPA8270
Benzo(a)anthracene	ug/Kg		011209	31.57 EPA8270
		e e e e e e e e e e e e e e e e e e e		

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LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR Page 54 ε,

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NYSDOH ID # 10320

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ENVIRONMENTAL TESTING

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

1,AB NO.290082.08

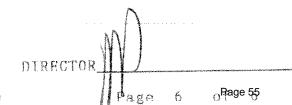
ATTN:	GC Environmental, 410 Saw Mill Rive Ardsley, NY 10502 Val Gatallin	er Road	P0#:8381
SOURCE OF SAMPLE:	101 Westmoreland	Avenue, #05-003	}
SOURCE OF SAMPLE: COLLECTED BY:	Client DATE		RECELVED:01/08/09
MATRIX:Soil SA	MPLE: S-8		

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

ect

LRL=Laboratory Reporting Limit

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



NYSDOH 10 # 10320

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

01/19/09

LAB NO.290082.09

ATTN:	GC Environmental, 410 Saw Mill Rive Ardsley, NY 10502 Val Gatallin	er Road
SOURCE OF SAMPLE:	101 Westmoreland	Avenue, #05-003
SOURCE OF SAMPLE: COLLECTED BY:		COL'D:01/07/09 RECEIVED:01/08/09 COL'D:1000
MATRIX:Soil SA	MPLE: S-9	

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이 있었습니다. 이 가지 않는 것은 가지 않는 것이 있는 것이 있는 것이 있다. 가지 않는 것이 있는 것이 있는 것이 있는 것이 있는 것이 있는 것이 있는 것이 있다. 가지 않는 것이 있는 것이 있는 같은 것은	Π (esurts	reported on a dry weight DATE TIME	ANALYTICAL
ANALYTICAL PARAMETERS	UNITS	RESULT		
Dichlordifluoromethane	ug/Kg		011209	5.154 EPA8260
Chloromethane	ng/Kg	< 5.2	011209	5.154 EPA8260
Vinyl Chloride			011209	5.154 EPA8260
Bromomethane		< 5.2	011209	5.154 EPA8260
Chloroethane		< 5.2	011209	5.154 EPA8260
Trichlorofluoromethane		< 5.2	011209	5.154 EPA8260
1,1 Dichloroethene		< 5.2	011209	5.154 EPA8260
Methylene Chloride		< 5.2	011209	5.154 EPA8260
t-1, 2-Dichloroethene		< 5.2	011209	5.154 EPA8260
1.1 Dichloroethane		< 5.2	011209	5.154 EPA8260
2,2-Dichloropropane		< 5.2	011209	5.154 EPA8260
c-1,2-Dichloroethene		< 5.2	011209	5.154 EPA8260
Bromochloromethane		< 5.2	011209	5.154 EPA8260
Chloroform		< 5.2	011209	5.154 EPA8260
111 Trichloroethane		< 5.2	011209	5.154 EPA8260
Carbon Tetrachloride		< 5.2	011209	5.154 EPA8260
1,1-Dichloropropene	ug/Kg	< 5.2	011209	5.154 EPA8260
Benzene		< 5.2	011209	5.154 EPA8260
1,2 Dichloroethane		< 5.2	011209	5.154 EPA8260
Trichloroethene		< 5.2	011209	5.154 EPA8260
1,2 Dichloropropane	ug/Kg	< 5.2	011209	5.154 EPA8260
Dibromomethane		< 5.2	011209	5.154 EPA8260
Bromodichloromethane		< 5.2	011209	5.154 EPA8260
c-1.3Dichloropropene		< 5.2	011209	5.154 EPA8260
Toluene	ug/Kg		011209	5.154 EPA8260
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1				

CC:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR Page 56 age 4

NYSDOH ID # 10320

ECOLEST LABORATORIES, INC. 377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770 Email: ecotestlab@aol.com Website: www.ecotestlabs.com 1 AB_N0_290082.09 01/19/09

LAB NO.290082.09			01/19/09		
ATTN :	GC Environm 410 Saw Mil Ardsley, NY Val Gatalli	1 River Ro 10502	orporated ad PO#:8	381	
SOURCE OF SAMPLE:	101 Westmor	eland Aven	ue, #05-003		
SOURCE OF SAMPLE: COLLECTED BY:	Client	DATE COL' TIME COL'	D:01/07/09 RECEIVED: D:1000	01/08/09	
MATRIX:Soil SA	MPLE: S-9	LEUS WOL	D. LOUG		
PIMENEX, DOLL DE	REELEMINES, CO. X			÷	
	R	esults rep	orted on a dry weigh DATE TIME	ANALYTICAL	
ANALYTICAL PARAMETERS	UNTTS	RESULT	FLAG OF ANALYST		
t-1.3Dichloropropene		< 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	ng/Kg	< 5.2	011209	5.154 EPA8260	
Ethyl Benzene	ug/Kg	< 5.2	011209	5.154 EPA8260	
1112Tetrachloroethane	ng/Kg	< 5.2	011209	5.154 EPA8260	
m + p Xylene		< 10	011209	10.30 EPA8260	
o Xylene		< 5.2	011209	5.154 EPA8260	
Styrene		< 5.2	011209	5.154 EPA8260	
Bromoform		< 5.2	011209	5.154 EPA8260	
Isopropylbenzene	ng/Kg	\$ < 5.2	011209	5.154 EPA8260	
Bromobenzene	ug/Kg	< 5.2	011209	5.154 EPA8260	
1122Tetrachloroethane	ng/Kg	< 5.2	011209	5.154 EPA8260	
123-Trichloropropane	11g/Kg	< 5.2	011209	5.154 EPA8260	
n-Propylbenzene	110/Kc	\$ < 5.2	011209	5.154 HPA8260	
2-Chlorotoluene	110/Ka	< 5.2	011209	5.154 EPA8260	
135-Trimethylbenzene	11g/Kc	< 5.2	011209	5.154 EPA8260	
4-Chlorotoluene		< 5.2	011209	5.154 EPA8260	
tert-Butylbenzene		< 5.2	011209	5.154 BPA8260	
124-Trimethylbenzene		< 5.2	011209	5.154 EPA8260	
L24-tringeny+neuxerte			011209	5 154 EPA8260	

p-Isopropyltoluene cc:

sec-Butylbenzene

LRL=Laboratory Reporting Limit

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011209

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DIRECTOR

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REMARKS:

ng/Kg < 5.2

ug/Kg < 5.2

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5.154 EPA8260

5.154 EPA8260

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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 Val Gatallin ATTN: 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 DATE TIME ANALYTICAL. ANALYTICAL PARAMETERS INTTS **RESILT** FLAG OF ANALYSIS LRL METHOD 1.3 Dichlorobenzene (v) ug/Kg < 5.2011209 5.154 EPA8260 ng/Kg < 5.21,4 Dichlorobenzene (v) 011209 5.154 EPA8260 n-Butylbenzene ng/Kg < 5.2011209 5.154 EPA8260 1.2 Dichlorobenzene (v) ng/Kg < 5.2011209 5.154 EPA8260 ng/Kg < 5.2Dibromochloropropane 011209 5.154 EPA8260 124-Trichlorobenzene (v) ng/Kg < 5.25.154 EPA8260 011209 Hexachlorobutadiene ug/Kg < 5.2011209 5.154 EPA8260 Naphthalene(v) ug/Kg < 5.2011209 5.154 EPA8260 123-Trichlorobenzene ng/Kg < 5.2011209 5.154 EPA8260 ter.ButylMethylEther ug/Kg < 5.2011209 5.154 EPA8260 p-Ethyltoluene ug/Kg < 5.2011209 5.154 EPA8260 Freon 113 ug/Kg < 5.2011209 5.154 EPA8260 1245 Tetramethylbenz ug/Kg < 5.2011209 5.154 EPA8260 Acetone ug/Kg < 5251.54 EPA8260 011209 ng/Kg < 52Methyl Ethyl Ketone 011209 51.54 EPA8260 Methylisobutylketone ug/Kg < 52011209 51.54 EPA8260 Chlorodifluoromethane ug/Kg < 5.2011209 5.154 EPA8260 p_Diethylbenzene ug/Kg < 5.2011209 5.154 EPA8260 97 010909 0.1

% Solids

LRL=Laboratory Reporting Limit

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REMARKS:

cc:

DIRECTOR Page 58 2 of - 6

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

LAB NO.290082.09

01/19/09

ATTN:	GC Environmental, 410 Saw Mill Rive Ardsley, NY 10507 Val Gatallin	er Road
SOURCE OF SAMPLE: SOURCE OF SAMPLE:	101 Westmoreland	Avenue, #05-003
COLLECTED BY:	Client DATE	COL'D:01/07/09 RECEIVED:01/08/09

MATRIX:Soil SAMPLE: S-9

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

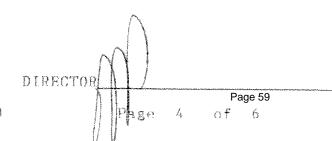
Results reported on a dry weight basis

			DATE TIME	ANALYTICAL
ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG OF ANALYSI	S LRL 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-chloroisopropy1)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	ng/Kg	< 31	011209	30.92 EPA8270
Isophorone	ug/Kg		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)	ng/Kg		011209	30.92 EPA8270
4-Chloroaniline	ug/Kg	< 31	011209	30.92 EPA8270
Hexachlorobutadiene	ng/Kg		011209	30.92 EPA8270
2-Methylnaphthalene	11g/Kg		011209	30.92 EPA8270
Hexachlorocyclopentadiene	ug/Kg		011209	309.2 EPA8270
2-Chloronaphthalene	ug/Kg		011209	30.92 EPA8270
2-Nitroaniline	ug/Kg		011209	30.92 EPA8270
Dimethyl Phthalate	ng/Kg		011209	30.92 EPA8270
Acenaphthylene	ng/Kg	< 31	011209	30.92 EPA8270
2,6-Dinitrotoluene	ug/Kg	< 31	011209	30.92 EPA8270
3-Nitroaniline	ug/Kg		011209	30.92 EPA8270
Acenaphthene	ug/Kg	< 31	011209	30.92 EPA8270
Dibenzofuran	ug/Kg	< 31	011209	30.92 EPA8270
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cc:

LRL=Laboratory Reporting Limit

REMARKS:



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

Email: ecotestla	b@aol.com W	ebsite: www.ecotestlabs.com 01/19/09	1
410 S Ardsl	uvironmental, Saw Mill Riven Ley. NY 10502 Satallin	Incorporated r Road PO#:8	381
SOURCE OF SAMPLE: 101 V SOURCE OF SAMPLE: COLLECTED BY: Clier	it. DATE (Avenue, #05-003 COL'D:01/07/09 RECELVED:	01/08/09
MATRIX:Soil SAMPLE:		COL'D:1000	, the second
	Results	reported on a dry weigh DATE TIME	t basis ANALYTTCAL
ANALYTICAL PARAMETERS 2,4-Dinitrotoluene Diethyl Phthalate	UNITS RESULT ug/Kg < 31 ug/Kg < 31	011209 011209	
4-Chlorophenyl phenyl ether Fluorene 4-Nitroaniline	ug/Kg < 31 ug/Kg < 31 ug/Kg < 31	011209 011209 011209	30.92 EPA8270 30.92 EPA8270 30.92 EPA8270
N-Nitrosodiphenylamine 4-Bromophenyl phenyl ether Hexachlorobenzene	ug/Kg < 31 ug/Kg < 31 ug/Kg < 31	011209 011209 011209	30.92 EPA8270 30.92 EPA8270 30.92 EPA8270
Phenanthrene Anthracene Di-n-Butyl Phthalate	ug/Kg < 31 ug/Kg < 31 ug/Kg < 31	011209 011209 011209	30.92 EPA8270 30.92 EPA8270 30.92 EPA8270
Fluoranthene Pyrene BenzylButylPhthalate	ug/Kg 38 ug/Kg 57 ug/Kg < 31	011209 011209 011209	30.92 EPA8270 30.92 EPA8270 30.92 EPA8270 30.92 EPA8270
3,3'-Dichlorobenzidine Benzo(a)anthracene	ug/Kg < 31 ug/Kg < 310 ug/Kg < 31	011209 011209	309.2 EPA8270 309.2 EPA8270 30.92 EPA8270

LRL=Laboratory Reporting Limit

REMARKS:

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DIRECTOR Page 60 Ę of 6

NYSDOH 1D # 10320

ECOTEST LABORATORIES, INC.

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ENVIRONMENTAL TESTING

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

	290082.(an@aoi.co	om v	vedsite:	www.e	ecotestia 01/19			
	ATTN:	410 Ards	nvironm Saw Mil' ley, NY Gatallin	l Rive 10502	er Road	porate	ed	P0 #: 83	81	
SOURCE OF S		101	Westmore	eland	Avenue	. #05-	-003			
SOURCE OF S COLLECT		Clie						EIVED:0	1 /00 /00	
MATRIX;Soil				TIME	COL'D:	1000	07 ano	niven;u	1/06/09	
na (ala ala) Secondaria	SAC.	1PLE:	. <u>.</u> .					. e seglio - s		: .
			Re	esults	report	ted on	a dry DATE	weight TIME		I.YTICAI
ANALYTICAL PARA Chrysene Bis(2-ethylhexy Di-n-octyl Phth Benzo(b)fluoran Benzo(k)fluoran Benzo(a)pyrene Indeno(1,2,3-cd Dibenzo(a,h)ant Benzo(ghi)peryl	1)phthal alate thene thene)pyrene hracene	late	UNITS ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg	< 31 < 31 < 31 < 31 < 31 < 31 < 31 < 31		Ϋ́L.Α		NALYSIS 9 9 9 9 9 9 9 9 9	LRL 8 30.92 30.92 30.92 30.92 30.92 30.92 30.92 30.92 30.92	ETHOD EPA8270 EPA8270 EPA8270 EPA8270 EPA8270 EPA8270 EPA8270 EPA8270 EPA8270
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						[.R1.=I	lahorat	ory Ran	orting	imit
REMA	RKS:					**************************************	ωλλαφα 662 °ς β λ., ζ.ζο δ	∙≌rin yr as wog a	or nang i	La 7 331 1. t.
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rn = 476			NYCDOW	TD #	10320				Page 61	

NYSDOH ID # 10320

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of

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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)

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 Chronicl	e			
intstrument 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

EcoTes	st Labs				
	ł	ANALYTI(CAL RESULTS	SUMMARY	
			BNA - (8270)		
Lab	Sample	Dilution	Run on	Column	
Number	Volume	Factor	Instrument		
290082.01	33g	30	svgcms#3	Rxi-5ms, 30m, 0.25mmID, .25um df	
290082.02	33g	30	svgcms#3	Rxi-5ms, 30m, 0.25mm1D, .25um df	
290082.03	33g	30	svgcms#3	Rxi-5ms, 30m, 0.25mm1D, .25um df	1
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	

MDL / PQL		+ -
·····		
LIMITS		
Instrument : SVGCMS3		.1
	MDL	PQL
Compound	ug/Kg	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	0.3	<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
	0.2	•
Pyrene		<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			SAMPLE NO.				
		SEMIV	SEMIVOLATILE METHOD BLANK SUMMARY							
Lab Name:	ECOTE	ST LABS	Contract	t.		METHOD BLANK				
Project No.:			Ð:	Location:		Group:				
Lab File ID:	011209	909.D			Lab Sample ID:	4				
Instrument I	ID:	SVGCMS3	_		Date Extracted:	1/9/2009				
Matrix: (soil/	water)	SOIL			Date Analyzed:	1/12/2009				
Level: (low/n	ned)				Time Analyzed:	1416				
	THIS	METHOD BLANK APP	LIES TO THE FOL	LOWING SAMP	LES, MS AND MS	D:				
		[LAB	LAB	DATE					
		SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED					
	01	MATRIX SPIKE	BN MS-SOIL	01120910.D	01/12/09					
		MATRIX SPK DUP	BN MSD-SOIL	01120911.D	01/12/09					
		LAB CTL SMP	BN LCS	01120912.D	01/12/09					
		290082.01	BN 082.01*30	01120913.D	01/12/09					
		290082.02	BN 082.02*30	01120914.D	01/12/09					
		290082.03	BN 082.03*30	01120915.D	01/12/09					
		290082.04	BN 082.04*30	01120916.D	01/12/09					
		290082.05	BN 082.05*30	01120917.D	01/12/09					
		290082.06	BN 082.06*30	01120918.D	01/12/09					
		290082.07	BN 082.07*30	01120919.D	01/12/09					
		290082.08	BN 082.08*30	01120921.D	01/12/09					
		290082.09	BN 082.09*30	01120920.D	01/12/09					
	13									
	14			-						
	15									
	16									
	17									
	18									
	19	£	······································							
	20									
	21	1								
	22									
	23									
	24									
	25				+					
	26									
	27									
	28	1								
	29									
	30									

COMMENTS:

EcoTest Labs					
			Date Time Summary		
				1 5	
				Run on	GC Column
Sample	Date	Time	SampleType	Instrument	
DFTPP	01/12/09		DFTPP Tune Check	svgcms#3	Rxi-5ms, 30m, 0.25mmID, .25um df
bna std 30 ppb s08-2	01/12/09		continuing calibration standard	svgcms#3	Rxi-5ms, 30m, 0.25mmID, .25um df
bna std 1 ppb s08-2	01/12/09		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		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 gc 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 Ics-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 062.02*30 33g tcl	01/12/09	5:11 PM	sample	svgcms#3	Rxi-Sms, 30m, 0.25mmID, 25um df
bn smp 082.03*30 33g tcl	01/12/09		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, 0.25mm1D, 25um df
bn smp 082.05*30 33g tcl	01/12/09		sample	svgcms#3	Rxi-5ms, 30m, 0.25mmID, 25um df
bn smp 082.06*30 33g tcl	01/12/09		sample	svgcms#3	Rxi-5ms, 30m, 0.25mmID, .25um df
bn smp 082.07*30 33g tcl	01/12/09		sample	svgcms#3	Rxi-5ms, 30m, 0.25mm1D, 25um df
bn smp 082.09*30 33g tcl	01/12/09		sample	svgcms#3	Rxi-5ms, 30m, 0.25mmID, .25um df
bn smp 082.08*30 33q tcl	01/12/09		sample	svgcms#3	Rxi-5ms, 30m, 0.25mmID, 25um df

2C SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: ECOTEST LABS Lab Code: _____Case No.: _____ Contract:_____

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				1		
03	Matrix Spike Dup	83	89	87						
04		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			L			
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							ļ			
15							ļ	ļ		
16										
17								L		—
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22 23										
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20 26						[
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28 29								l		
29 30										
30						L	I	I		

QC LIMITS

S1 ND5 = NITROBENZENE-D5
S2 2FB = 2-FLUOROBIPHENYL
S3 TD14 = TERPHENYL-D14

26-90

39-95

35-124

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

	MS/MSD R								
		BNA (8	270), Date: (91/12/09					
Run on Instrument	svgcms#3		1 (2)	2.60	NOD	Map	nnn	Deserves	700
Compound	Unspiked	Spike	MS	MS	MSD	MSD	RPD	Recovery	RPI
	Conc	Added	. Conc	Recov.	Conc	Recov.	////	Limits	Limi
water	(ug/Kg)	(ug/Kg)	(ug/Kg)	(%)	(ug/Kg)	(%)	(%)	(%)	~~~~
Bis(2-chloroethyl)ether	0	30	27	91	25	82	11	50113	36
1,3 Dichlorobenzene	0	30	27	89	26	85	5	46104	47
1,4 Dichlorobenzene			26	85	24				
1,2 Dichlorobenzene	0	30	26	85	24	80	6	47108	25
Bis(2-chloroisopropyl)ether	0	30	29	97	29	96	1	56113	25
N-nitroso-di-n-propylamine	0	30	28	92	27	89	4	57-119	26
Hexachloroethane	0	30	27	88	26	86	2	42104	24
Nitrobenzene	0	30	27	89	26	85	5	55108	22
Isophorone	0	30	25	82	24	79	4	57118	23
Bis(2-chloroethoxy)methane	0	30	28	94	26	87	8	61116	20
1,2,4 Trichlorobenzene	0	30	26	86	24	81	6	48113	21
Naphthalene	0	30	28	93	26	88	6	56101	33
4 Chloroaniline	0	30	36	121	35	117	4	61141	22
Hexachlorobutadiene	0	30	25	82	24	79	4	42115	23
2 Methylnaphthalene	0		33	110	31	103	7	73118	27
2 Nitroaniline	0	30	37	124	35	115	8	78160	21
Hexachlorocyclopentadiene	0	30	25	82	24	79	3	27106	32
2 Chloronaphthalene	0	30	28	92	26	86	6	60120	20
Dimethylphthalate	0	30	28	92	26	85	8	69126	24
2,6 Dinitrotoluene	0	30	27	89	26	86	4	70125	20
Acenaphthylene	0	30	27	89	26	86	3	7099	18
3 Nitroaniline	0	30	37	125	35	115	8	77149	18
Acenaphthene	0	30	29	98	27	90	9	73101	20
Dibenzofuran	0	30	32	108	31	103	5	74142	21
2,4 Dinitrotoluene	0	30	30	101	28	94	7	68131	19
Diethylphthalate	0	30	27	89	26	86	3	69124	22
4 Chlorophenylphenyl ether	0	30	26	88	26	86	2	69119	22
Fluorene	0	30	28	94	27	90	4	7399	20
4 Nitroaniline	0	30	43	145	42	140	3	95193	15
N-Nitrosodiphenylamine	0	30	24	80	23	77	4	62120	21
4 Bromophenylphenyl ether	0	30	28	92	26	88	4	67128	20
Hexachlorobenzene	0	30	28	92	27	88	4	64126	22
Phenanthrene	0	30	29	96	27	91	5	76105	17
Anthracene	0	30	31	103	29	97	6	75-104	17
Carbazole	0	30	30	98	28	94	4	66138	23
Di-n-butylphthalate	0	30	28	93	28	92	0	70129	23
Fluoranthene	0	30	29	96	28	93	3	79104	17
Pyrene	0	30	28	93	27	90	3	76121	18
Butylbenzylphthalate	0	30	28	94	27	90	4	68134	25
Bis(2-ethylhexyl)phthalate	0	30	27	90	26	86	5	68131	24
Benzo(a)anthracene	0	30	27	91	26	88	3	75~106	17
Chrysene	Ŭ Û	30	28	93	27	89	4	77107	14
3,3' Dichlorobenzidine	0	50	31	61	31	61	0	48109	29

Di-n-octyl phthalate	0	30	24	80	23	76	5	67131	26
Benzo(b)fluoranthene	0	30	27	89	25	83	7	73112	24
Benzo(k)fluoranthene	0	30	26	88	26	88	0	68121	37
Benzo(a)pyrene	0	30	28	94	27	90	4	77116	18
Dibenzo(a,h)anthracene	0	30	28	92	27	88	4	60117	32
Indeno(1,2,3-cd)pyrene	0	30	27	91	27	89	2	60113	17
Benzo(g,h,i)perylene	0	30	28	94	26	88	7	59111	20

8B		
SEMIVOLATILE INTERNAL STANDARD	AREAAND	RTSUMMARY

Lab Name: ECOTEST LABS

Lab Code:

r

Contract:

Case No.:

SAS No.:

Lab File ID (Standard): 01120902.D

Instrument ID: SVGCMS3

Date Analyzed: 1/12/2009

Time Analyzed: ____1018

SDG No.:

		IS1		IS2		153	Ι
		AREA #	RT #	AREA #	RT #	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		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		1					- 1 W. L. L.
21							
22							
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IS1 = 1,4-DICHLOROBENZENE-d4 INT. STD.

IS2 = NAPHTHALENE-d8 INT. STD. IS3 = AGENAPHTHENE-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

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

FORM VIII SV-1

		1		1		1 1
BNA STD 1PPB	1978097	12.00	1788525	16.20	1121577	19.53
BNA STD 10PPB	1817417	12.00	1772047	16.21	1120054	19.53
BNA QC STD 30PPB	1743475	12.00	1693895	16.22	1142800	19.54
BZ STD 30PPB	1926616	12.00	1652260	16.21	1126341	19.54
BZ STD 10PPB	1946282	12.00	1678510	16.21	1114909	19.53
BZ QC STD 30PPB	1792593	12.00	1480000	16.21	998343	19.54
METHOD BLANK	1756644	11.99	1687576	16.21	989887	19.54
MATRIX SPIKE	1823546	12.00	1843922	16.22	1359988	19.54
MATRIX SP DUP	1834272	12.00	1855032	16.23	1367468	19.54
LAB.CTL.SMP.	1814580	11.99	1823698	16.23	1330613	19.53
290082.01	1851999	11.99	1749555	16.21	1189549	19.54
290082.02	1963561	11.99	1871969	16.21	1213272	19.53
290082.03	1912245	11.99	1895418	16.19	1195533	19.52
290082.04	1978939	11.98	1894012	16.20	1199747	19.51
290082.05	2059861	11.99	1994149	16.19	1296330	19.52
290082.06	2038755	11.98	1973969	16.20	1242014	19.51
290082.07	1945501	11.98	1885765	16.18	1176848	19.52
290082.09	1720335	11.99	1641472	16.21	963778	19.55
290082.08	1783572	11.98	1486904	16.21	696994	19.54
						1
IS4 = PHENANTHRENE- IS5 = CHRYSENE-d12 II IS6 = PERYLENE-d12 IN	NT, STD. IT, STD.	, , , , ,				
AREA UPPER LIMIT = + AREA LOWER LIMIT = - RT UPPER LIMIT = +0.5 RT LOWER LIMIT = -0.5	50% of interna 50 minutes of int	al standard : ternal stand:	area ard RT			
# Column used to flag inte * Values outside of QC lim	rnal standard an its.	ea values w	ith an asterisk.			
		FORM VII	I SV-2			3/90

8B SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

RT #

11.99

12.49

11.49

Lab Code: ECOTEST Case No.: Lab File ID (Standard): 01120902.D

IS4

AREA #

2027261

4054522

1013631

Instrument ID: SVGCMS3

12 HOUR STD

UPPER LIMIT

LOWER LIMIT

EPA SAMPLE NO. **BNA STD 1PPB**

BNA STD 10PPB 03 BNA QC STD 30PPB BZ STD 30PPB

01 02

04 05

06

07

08

<u>09</u>

10

11 12

13

14

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16

17

18

19

20 21 22

Lab Name: ECOTEST LABS

Contract:

IS5

AREA

1886272

3772544

943136

#

SAS No.:

RT #

16.21

16.71

15.71

SDG No.:

Date Analyzed: 1/12/2009

Time Analyzed: 1018

₫

RT #

19.53

20.03

19.03

IS6

AREA

1254754

2509508

627377

5B SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name :	ECOTEST LABS	<u> </u>	Contract:	
Project No.:	ECOTEST	Site:	Location:	Group:
Lab File ID:	01120901.D		DFTPP	Injection Date: 1/12/2009
Instrument IE): <u>SVGCMS</u> #3		DFTPP	Injection TIme: 0952
	1			

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:

	LAB	LAB	DATE	TIME
SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	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 CO	NTROL RESU	TS				
ECOTEST LABORATORIES, INC.						
377 SHEFFIELD AVENUE						
NORTH BABYLON, NY 11703						<u> </u>
Client Name:	GCEnvironme	ntel			Analyst	J. Aquilina
Sample Lab Numbers:	290082.0109				Method:	
Date Sample(s) Received:	1/8/2009		·····		Analyte:	
Date(s) of Analysis:	1/12/2009				Matrix:	Soil
Units = ug/L.(water)	1	LCS			1	
=ug/Kg.(soil) SVGCMS#	3	Crescent C	hemicals		1	
	Lab	True	Accept.		1	
COMPOUNDS	Blank	Value	Range	Result		
Bis(2-chloroethyl)ether	<30	30	1728	26.0		
1.3 Dichlorobenzene	<30	. 30	15-27	25.3	1	
1.4 Dichlorobenzene	<30	30	1527	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	1630	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	1729	26.4		
4 Chloroaniline	<30	30	2339	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	1832	25.5		
Dimethylphthalate	<30	30	21-34	26.1		
2,6 Dinitrotoluene	<30	30	22-35	25.1		
Acenaphthylene	<30	30	1931	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	1	· · · · · · · · · · · · · · · · · · ·
4 Chlorophenylphenyl ether	<30	30	22-33	25.2		
Fluorene	<30	30	2031	26.5		· · · · · · · · · · · · · · · · · · ·
4 Nitroaniline	<30	30	2359	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	2334	24.9	
Benzo(a)anthracene	<30	30	20-34	24.8	
Chrysene	<30	30	2034	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	2034	26.5	
Benzo(a)pyrene	<30	30	21-34	26.1	
Dibenzo(a,h)anthracene	<30	30	1931	25.4	
Indeno(1.2.3-cd)pyrene	<30	30	19-32	26.4	
Benzo(q,h,i)perylene	<30	3Ŭ	16-31	25.9	

SAMPLE NO.

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SEMIVOLATILE	ORGANICS ANALYSIS	DATA SHEET
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Lab Name: ECOTEST		Contract:	· · · ·	
Project No.:				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/I	N):	Date Extracted:	1/9/2009
Concentrated Extract Vo	blume: (uL)		Date Analyzed:	1/12/2009
Injection Volume:			Dilution Factor:	30.0
GPC Cleanup: (Y/N)		Hì		
, · · ·		Concentration	Units:	
CAS No.	Compound	(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	uq/Kg	U
83-32-9	Acenaphthene	30	ug/Kg	U
208-96-8	Acenaphthylene	30	ug/Kg	U
120-12-7	Anthracené	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	BenzyButyIPhthalate	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

SAMPLE NO

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET	

Lab Name: ECOTES		Contract:		Method Blan
Project No.:	Site:	Location:		Group:
Matrix: (soil/water)			Lab Sample ID:	
Sample wt/vol:	(g/mL)		Lab File ID:	01120909.D
Level: (low/med)			Date Received:	
% Moisture:	decanted: (Y/N	۱):	Date Extracted:	1/9/2009
Concentrated Extract V	/olume:(uL)		Date Analyzed:	1/12/2009
	(uL)		Dilution Factor:	30.0
GPC Cleanup: (Y/N)	pl	H:		
		Concentration	Units:	
CAS No.	Compound	(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	uğ/Kğ	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

				290082.0	01
Lab Name: ECOTEST	LABORATORY	Contract:	. <u></u>		
Project No.:	Site:	Location:		Group:	
	Soil		Lab Sample ID:		
Sample wt/vol:	(g/mL)		Lab File ID:	01120913.D	
Level: (low/med)			Date Received:	1/8/2009	
,	decanted: (Y/N)	ŀ.	Date Extracted:	1/9/2009	
	(uL)		Date Analyzed:		
			Dilution Factor:		
Injection Volume:	(uL)		Dirution Lactor.	00.0	
GPC Cleanup: (Y/N)	pH		6 4 ° 1		
		Concentration		0	
CAS No.	ł		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> </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	Ų	
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	
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1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Nome ECOTES		Contract:		290082.01
				Group:
roject No.:	Site:	Location.		
atrix: (soil/water)	Soil		Lab Sample ID:	
ample wt/vol:	(g/mL)		Lab File ID:	01120913.D
evel: (low/med)			Date Received:	1/8/2009
Moisture:	decanted: (Y/N	1):	Date Extracted:	1/9/2009
	/olume:(uL)	· ·	Date Analyzed:	1/12/2009
ijection Volume:			Dilution Factor:	30.0
		H		<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>
PC Cleanup: (Y/N)			Hoite:	
∴ < < < < < < < < < < < < < < < < < < <	Compound	Concentration (ug/L or ug/Kg)		Q
CAS No.	Compound			
132-64-9	Dibenzofuran	30	ug/Kg	
84-66-2	Diethyl Phthalate	30	ug/Kg	U
131-11-3	Dimethyl Phthalate	30	ug/Kg	
206-44-0	Fluoranthene	30	ug/Kg	U
86-73-7	Fluorene	30	ug/Kg	U 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		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

				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	
	decanted: (Y/N)		Date Extracted:	1/9/2009	
	blume:(uL)		Date Analyzed:	1/12/2009	
Injection Volume:	(uL)	·	Dilution Factor:	30.0	
GPC Cleanup: (Y/N)					
an o oleanap. (min)		Concentration	Units:		
CAS No.	Compound	(ug/L or ug/Kg)	ug/Kg	Q	
	1,2 Dichlorobenzene(sv)	<u> </u>	uq/Kq	U	
95-50-1	1,3 Dichlorobenzene(sv)	30	ug/Kg	U	
541-73-1	1,4 Dichlorobenzene(sv)	30	ug/Kg	Ū	
106-46-7	124-Trichlorobenzene (sv)	30	ug/Kg	U	
120-82-1	2,4-Dinitrotoluene	30	ug/Kg	Ū	
121-14-2	2,6-Dinitrotoluene	30	ug/Kg	Ū	
606-20-2		30	ug/Kg	Ū	
91-58-7	2-Chloronaphthalene	30	ug/Kg	Ū	
91-57-6	2-Methylnaphthalene	30	ug/Kg ug/Kg		
88-74-4	2-Nitroaniline	300	ug/Kg	Ŭ	
91-94-1	3,3'-Dichlorobenzidine	30	ug/Kg	Ū	
99-09-2	3-Nitroaniline	30	ug/Kg	<u> </u>	
101-55-3	4-Bromophenyl phenyl ether	30	ug/Kg	Ū	
106-47-8	4-Chloroaniline	30	ug/Kg	Ū	
7005-72-3	4-Chlorophenyl phenyl ether	30	uq/Kg	Ŭ	
100-01-6	4-Nitroaniline	30	ug/Kg	Ū	
83-32-9	Acenaphthene	+ 30 + 30 + 30 + 30 + 30 + 30 + 30 + 30	ug/Kg	U U	
208-96-8	Acenaphthylene	30	ug/Kg	Ū I	
120-12-7	Anthracene	30	ug/Kg	U	
56-55-3	Benzo(a)anthracene	30	ug/Kg		
50-32-8	Benzo(a)pyrene Benzo(b)fluoranthene	30	uq/Kq	Ū	
205-99-2	Benzo(ghi)perylene	30	uq/Kq	Ū	
191-24-2	Benzo(k)fluoranthene	30	uq/Kq	U	
207-08-9	BenzylButylPhthalate	30	ug/Kg	Ū	
85-68-7	Bis(2-chloroethoxy)methane	30	ug/Kg	Ū	
111-91-1	Bis(2-chloroethyl)ether	30	ug/Kg	Ŭ	
111-44-4		30	ug/Kg	tŭ	
108-60-1	Bis(2-chloroisopropyl)ether	30	ug/Kg ug/Kg	Ū	
117-81-7	Bis(2-ethylhexyl)phthalate	30	ug/Kg ug/Kg	U	
86-74-8	Carbazole	30	ug/Kg	U U	
218-01-9	Chrysene	30	ug/Kg ug/Kg	U	
84-74-2	Di-n-Butyl Phthalate	30	ug/Kg ug/Kg		
117-84-0	Di-n-octyl Phthalate	30	ug/Kg	U	
53-70-3	Dibenzo(a.h)anthracene		uynxy		

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

				290082.02
b Name: <u>ECOTES</u>	T LABORATORY	Contract:		
oject No.:	Site:	Location:	·····	Group:
atrix: (soil/water)	soil		Lab Sample ID:	
ample wt/vol:	(g/mL)		Lab File ID:	01120914.D
vel: (low/med)			Date Received:	1/8/2009
Moisture:	decanted: (Y/N):	Date Extracted:	1/9/2009
	/olume: (uL)		Date Analyzed	1/12/2009
ection Volume:	(uL)		Dilution Factor:	30.0
PC Cleanup: (Y/N)		4.		
, , , ,		Concentration	Units:	
CAS No.	Compound		_ug/Kg	Q
132-64-9	Dibenzofuran	30	uq/Kq	U
84-66-2	Diethyl Phthalate	30	uq/Kq	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> </u>
			×2======	
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SAMPLE NO.

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Lab Name:	ECOTEST	LABORATORY	Contract:		2900	182.03
Project No.:	<u></u>	Site:	Location:		Group:	
Matrix: (soil)	water)	soil		Lab Sample ID:		
Sample wt/vc	ol:	(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	d Extract Vol	lume: (uL)		Date Analyzed:	1/12/2009	
Injection Volu		(uL)		Dilution Factor:	30.0	
GPC Cleanu	p: (Y/N)	pH				
			Concentration	Units:		
CA	S No.	Compound	(ug/L or ug/Kg)	_ug/Kg	Q	
95-	50-1	1.2 Dichlorobenzene(sv)	30	ug/Kg	U	
	-73-1	1,3 Dichlorobenzene(sv)	30	ug/Kg	U	
	6-46-7	1.4 Dichlorobenzene(sv)	30	ug/Kg	U	
)-82-1	124-Trichlorobenzene (sv)	30	ug/Kg	U	
	-14-2	2,4-Dinitrotoluene	30	uq/Kg	U	
	5-20-2	2.6-Dinitrotoluene	30	uq/Kg	U	
	58-7	2-Chloronaphthalene	30	ug/Kg	Ú	
	57-6	2-Methylnaphthalene	30	ug/Kg	U	
	74-4	2-Nitroaniline	30	ug/Kg	U	
	94-1	3,3'-Dichlorobenzidine	300	ug/Kg	U	
	09-2	3-Nitroaniline	30	ug/Kg	U	
	1-55-3	4-Bromophenyl phenyl ether	30	ug/Kg	Ú	
	5-47-8	4-Chloroaniline	30	ug/Kg	U	
)5-72-3	4-Chlorophenyl phenyl ether	30	ug/Kg	Ū	
	D-01-6	4-Nitroaniline	30	ug/Kg	Ū	
	32-9	Acenaphthene	30	ug/Kg	U	
	<u>3-96-8</u>	Acenaphthylene	30	ug/Kg	U	
)-12-7	Anthracene	30	ug/Kg	U	
	-55-3	Benzo(a)anthracene	30	ua/Ka	U	
	-32-8	Benzo(a)pyrene	30	ug/Kg	IJ	
	<u></u> 5-99-2	Benzo(b)fluoranthene	30	uq/Kq	U	
	1-24-2	Benzo(ghi)perylene	30	ug/Kg	Ū	
	7-08-9	Benzo(k)fluoranthene	30	ug/Kq	Ū	
	-68-7	BenzylButylPhthalate	30	ug/Kg	U	
	1-91-1	Bis(2-chloroethoxy)methane	30	ug/Kg	U	
	1-44-4	Bis(2-chloroethyl)ether	30	ug/Kg	U	
	3-60-1	Bis(2-chloroisopropyl)ether	30	ug/Kg	U	
	7-81-7	Bis(2-ethylhexyl)phthalate	30	ug/Kg	U	
	-74-8	Carbazole	30	ug/Kg	U	
	3-01-9	Chrysene	30	ug/Kg	U	
	-74-2	Di-n-Butyl Phthalate	30	ug/Kg	U	
	7-84-0	Di-n-octyl Phthalate	30	ug/Kg	Ū	
	·70-3	Dibenzo(a,h)anthracene	30	ug/Kg	Ű	
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SAMPLE NO.

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SEMIVOLATILE	ORGANICS ANALYSIS	DATA SHEET

Lab Name: ECOTES		Contract:		290082.03
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	N):	Date Extracted:	1/9/2009
Concentrated Extract	/olume: (uL)		Date Analyzed:	1/12/2009
Injection Volume:	(uL)		Dilution Factor:	30.0
GPC Cleanup: (Y/N)	p	H:		
		Concentration	Units:	
CAS No.	Compound	(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	Ų
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	Nítrobenzene	30	ug/Kg	U
85-01-8	Phenanthrene	30	ug/Kg	U
129-00-0	Pyrene	30	ug/Kg	U
			<u>,</u>	
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SAMPLE NO.

	SEMIVOLATILE ORGANIC		ا سا سا ۱۱ (پ ۲۰۱۶ و ۲۰	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 Vo	lume:(uL)		Date Analyzed:	1/12/2009	
Injection Volume:	(uL)		Dilution Factor:	30.0	
GPC Cleanup: (Y/N)	pH				
		Concentration	Units:		
CAS No.	Compound (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> </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> </u>	

SAMPLE NO.

SEMIVOLATILE ORGANICS	ANALYSIS DATA SHEET
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T LABORATORY Site:			
	Location:		Group:
soil		Lab Sample ID:	
**************************************			01120916.D
······································			
<u> </u>			******
/olume: (uL)		Date Analyzed.	1/12/2009
(uL)		Dilution Factor:	30.0
p	H:		
	Concentration	Units:	
Compound	(ug/L or ug/Kg)	_ug/Kg	Q
Dibenzofuran	30	ug/Kg	U
Diethyl Phthalate	30	ug/Kg	U
Dimethyl Phthalate	30	ug/Kg	U
Fluoranthene	30	ug/Kg	U
Fluorene	30	ug/Kg	U
Hexachlorobenzene	30	ug/Kg	U
	30	ug/Kg	U
	300		U
	30	······································	U
	30		U
			U
		······································	U
		······································	U
			U
			U
	1		U
		······································	U
			<u> </u>
	Volume:(uL) (uL) (uL) p Compound Dibenzofuran Dibenzofuran Dibenzofuran Dibenzofuran Dibenzofuran Dibenzofuran Dibenzofuran Dibenzofuran Dibenzofuran Dibenzofuran Dibenzofuran Dibenzofuran	decanted: (Y/N): /olume:(uL) (uL) (uL) pH: Concentration Compound (ug/L or ug/Kg) Dibenzofuran 30 Dibenzofuran 30 Dibenzofuran 30 Dibenzofuran 30 Dimethyl Phthalate 30 Fluoranthene 30 Fluoranthene 30 Fluorene 30 Hexachlorobenzene 30 Hexachlorobenzene 30 Hexachlorocyclopentadiene 300 Hexachlorocyclopentadiene 300 Hexachlorocethane 30 Indeno(1,2,3-cd)pyrene 30 Isophorone 30 N-Nitrosodi-n-propylamine 30 N-Nitrosodiphenylamine 30 Naphthalene(sv) 30 Nitrobenzene 30 Naphthalene(sv) 30 Nitrobenzene 30 Phenanthrene 30	

SAMPLE NO.

SEMIVOLATILE	ORGANICS	ANALYSIS	DATA SHEET
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	290082.05			
Lab Name: ECOTEST LABORATORY		Contract:		
Project No.:	Site:	Location:		Group:
Matrix: (soil/water)	soil		Lab Sample ID:	
· · · ·	(g/mL)		Lab File ID:	01120917.D
Level: (low/med)	······································		Date Received:	1/8/2009
	decanted: (Y/N):		Date Extracted:	1/9/2009
	ume:(uL)		Date Analyzed:	1/12/2009
		· ·	Dilution Factor:	
	(uL)			
GPC Cleanup: (Y/N)			I Incident	
~ . ~		Concentration		0
CAS No.	1		ug/Kg	Q
95-50-1	1.2 Dichlorobenzene(sv)	30	ug/Kg	U
541-73-1	1.3 Dichlorobenzene(sv)	30	ug/Kg	
106-46-7	1.4 Dichlorobenzene(sv)	30	ug/Kg	
120-82-1	124-Trichlorobenzene (sv)	30	ug/Kg	
121-14-2	2,4-Dinitrotoluene	30	ug/Kg	
606-20-2	2.6-Dinitrotoluene	30	ug/Kg	<u> </u>
91-58-7	2-Chloronaphthalene	30	ug/Kg	
91-57-6	2-Methylnaphthalene	<u>30</u> 30	ug/Kg	U U
88-74-4	2-Nitroaniline	30	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	300	ug/Kg ug/Kg	
99-09-2	3-Nitroaniline	30	ug/Kg	U
101-55-3	4-Bromophenyl phenyl ether 4-Chloroaniline	30	ug/Kg	U
106-47-8 7005-72-3	4-Chlorophenyl phenyl ether	30	uq/Kg	U
100-01-6	4-Nitroaniline	30	ug/Kg	U I
83-32-9	Acenaphthene	30	ug/Kg	Ū
208-96-8	Acenaphthylene	30	ug/Kg	Ū
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	

SAMPLE NO.

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SEMIVOLATILE	ORGANICS	ANALYSIS	DATA SHEET
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Nomo FOOTES	LABORATORY	Contract:		290082.05
				Group:
	Site:			*
atrix: (soil/water)	soil		Lab Sample ID:	
ample wt/vol:	(g/mL)		Lab File ID:	01120917.D
evel: (low/med)			Date Received:	1/8/2009
,	decanted: (Y/N):	Date Extracted:	1/9/2009
			Date Analyzed:	1/12/2009
jection Volume:	(uL)		Dilution Factor:	30.0
PC Cleanup: (Y/N)		1:		
PC Oleanup. (1714)	š.,	Concentration I	Jnits:	
CAS No.	Compound	(ug/L or ug/Kg)		Q
132-64-9	Dibenzofuran	30	uq/Kq	U
84-66-2	Diethyl Phthalate	30	ug/Kg	Ū
in the second	Dimethyl Phthalate	30	ug/Kg	U
131-11-3	Fluoranthene	30	ug/Kg	U U
206-44-0	Fluorene	30	ug/Kg	l ū
86-73-7		30	ug/Kg	Ū
118-74-1	Hexachlorobenzene	30	ug/Kg	U
87-68-3	Hexachlorobutadiene	300	ug/Kg	Ŭ
77-47-4	Hexachlorocyclopentadiene	30	ug/Kg	Ū
67-72-1	Hexachloroethane	30	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	30	ug/Kg	Ū
78-59-1	Isophorone	30	ug/Kg	Ū
621-64-7	N-Nitrosodi-n-propylamine	30	ug/Kg	Ū
86-30-6	N-Nitrosodiphenylamine	30	ug/Kg	<u> </u>
91-20-3	Naphthalene(sv)	30	ug/Kg	
98-95-3	Nitrobenzene	30	ug/Kg	Ū
85-01-8	Phenanthrene	30		U
129-00-0	Pyrene		ug/Kg	

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SAMPLE NO.

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SEMIVOLATILE	ORGANICS A	NALYSIS	DATA SHEET
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Lab Name: ECOTI	EST LABORATORY	Contract:		290082.06
Project No.:		Location:		Group:
Matrix: (soil/water)			Lab Sample ID:	
Sample wt/vol:	(g/mL)		Lab File ID:	01120918.D
Level: (low/med)	1		Date Received:	1/8/2009
% Moisture:	decanted: (Y/N):	Date Extracted:	1/9/2009
Concentrated Extrac	st Volume:(uL)		Date Analyzed:	1/12/2009
Injection Volume:	(uL)		Dilution Factor:	30.0
GPC Cleanup: (Y/N)	pH	-1 :		
		Concentration	i Units:	
CAS No.	Compound	(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(sy)	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

SAMPLE NO.

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Lab Name: ECOTES	T LABORATORY	Contract:		29008	2.06
	Site:			Group:	
Matrix: (soil/water)	soil		Lab Sample ID:		
Sample wt/vol:	(g/mL)			01120918.D	
Level: (low/med)			Date Received:	1/8/2009	
% Moisture:	decanted: (Y/N	I):	Date Extracted:	1/9/2009	
Concentrated Extract V	olume:(uL)		Date Analyzed:	1/12/2009	
Injection Volume:			Dilution Factor:	30.0	
GPC Cleanup: (Y/N)	pl	H:			
		Concentration			
CAS No.	Compound	(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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					290082.07	
Lab Name: <u>E</u> C	COTEST LABORAT	ORY	Contract:			
Project No.:		Site:	Location:		Group:	
Matrix: (soil/wat				Lab Sample ID:		
Sample wt/vol:				Lab File ID:	01120919.D	
Level: (low/me		* * * * * <u></u>		Date Received:	1/8/2009	
			1).	Date Extracted:		
% Moisture:		decanted: (Y/N	(). 			
Concentrated E	xtract Volume:			Date Analyzed:		
Injection Volum	e:	(uL)		Dilution Factor:	30.0	
GPC Cleanup: (Y/N)	pl	H:			
			Concentration	n Units:		
CAS N	lo. Compour	ıd	(ug/L or ug/Kg)	_ug/Kg_	Q	
95-50	-1 1,2 Dichle	probenzene(sv)	30	ug/Kg	U	
541-7		probenzene(sy)	30	ug/Kg	U	
106-4		probenzene(sv)	30	ug/Kg	U	
120-8		lorobenzene (sv)	30	ug/Kg	U	
121-1		otoluene	30	ug/Kg	U	
606-2			30	ug/Kg	U	
91-58		haphthalene	30	ug/Kg	U	
91-57		naphthalene	30	ug/Kg	U	
88-74			30	ug/Kg	U	
91-94		orobenzidine	300	ug/Kg	U	
99-09			30	ug/Kg	U	
101-5		ohenyl phenyl ether	30	ug/Kg	U	
106-4			30	ug/Kg	U	
7005-		ohenyl phenyl ether	30	ug/Kg	U	
100-0			30	ug/Kg	U	
83-32			30	ug/Kq	U	
208-9			30	uq/Kg	U	
120-1			30	ug/Kg	U	
56-55		anthracene	30	ug/Kg	U	
50-32			30	ug/Kg	U	
205-9		fluoranthene	30	ug/Kg	U	
191-2		hi)perylene	30	ug/Kg	U	
207-0		fluoranthene	30	ug/Kg	U	
85-68		utylPhthalate	30	uq/Kq	U	
111-9		oroethoxy)methane	30	ug/Kg	U	
1111-2		oroethyl)ether	30	ug/Kg	U	
108-6		oroisopropyl)ether	30	ug/Kg	U	
117-8		v/hexyl)phthalate	30	ug/Kg	U	
86-74			30	ug/Kg	U	
218-0	······································		30	ug/Kg	U	
84-74		yi Phthalate	30	ug/Kg	U	
117-8		/ Phthalate	30	ug/Kg	U	
53-70		(a,h)anthracene	30	uq/Kg	U	1
DOW		Tanks (Lower excert and a set to		h		-

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SEMIVOLATILE ORGANICS.	ANALYSIS	DATA	SHEET
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					290082	.07
Lab Name	ECOTEST L	ABORATORY				
Project No		Site:	Location:		Group:	
Matrix: (so		Soil		Lab Sample ID:		
Sample wt	:Nol:	(g/mL)		Lab File ID:	01120919.D	
Level: (k				Date Received:	1/8/2009	
	e:	decanted: (Y/N):	Date Extracted:	1/9/2009	
	hour and a second se	ume:(uL)		Date Analyzed:	1/12/2009	
Injection V		(uL)		Dilution Factor:		
GPC Clea			1.			
GFUURA	nah: (13w)		Concentration	Units:		
(CAS No.	Compound	(ug/L or ug/Kg)	_ug/Kg_	Q	
F	132-64-9	Dibenzofuran	30	ug/Kg	U	
	34-66-2	Diethyl Phthalate	30	ug/Kg	U	
	131-11-3	Dimethyl Phthalate	30	ug/Kg	U	
	206-44-0	Fluoranthene	30	ug/Kg	U	
i -	36-73-7	Fluorene	30	ug/Kg	U	
h-	118-74-1	Hexachlorobenzene	30	ug/Kg	U	
L.	87-68-3	Hexachlorobutadiene	30	ug/Kg	U	
L .	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	
j	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	
ŀ	129-00-0	Fylene				
-				****		
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					<u> </u>	
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FORMISV

SAMPLE NO.

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Lah Name:	FCOTEST	LABORATORY	Contract:		290082.08
		Site:		,	Group:
	il/water)			Lab Sample ID:	· · · · · · · · · · · · · · · · · · ·
Sample wt/	,	(g/mL)		Lab File ID:	01120921.D
Level: (lo				Date Received:	1/8/2009
-		decanted: (Y/N)	i.	Date Extracted:	
		olume:(uL)			
Injection V	olume:	(uL)		Dilution Factor:	30.0
GPC Clear	hup: (Y/N)	рН			
			Concentration	Units:	
C	AS No.	Compound	(ug/L or ug/Kg)	ug/Kg	Q
9	15-50-1	1.2 Dichlorobenzene(sv)	220	ug/Kg	
5	41-73-1	1.3 Dichlorobenzene(sv)	30	ug/Kg	U
1	06-46-7	1,4 Dichlorobenzene(sv)	30	ug/Kg	U
1	20-82-1	124-Trichlorobenzene (sv)	30	ug/Kg	U
1	21-14-2	2.4-Dinitrotoluene	30	ug/Kg	U
6	06-20-2	2,6-Dinitrotoluene	30	ug/Kg	U
9	1-58-7	2-Chloronaphthalene	30	ug/Kg	U
	91-57-6	2-Methylnaphthalene	43	ug/Kg	
	38-74-4	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
	01-55-3	4-Bromophenyl phenyl ether	30	ug/Kg	U
	06-47-8	4-Chloroaniline	30	ug/Kg	U
	7005-72-3	4-Chlorophenyl phenyl ether	30	ug/Kg	U
	00-01-6	4-Nitroaniline	30	ug/Kg	U
	33-32-9	Acenaphthene	30	ug/Kg	U
	208-96-8	Acenaphthylene	30	uq/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	uq/Kg	U
	205-99-2	Benzo(b)fluoranthene	38	ug/Kg	
	191-24-2	Benzo(ghi)perylene	90	ug/Kg	
L	207-08-9	Benzo(k)fluoranthene	33	uq/Kq	
L .	35-68-7	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
1	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
L.	218-01-9	Chrysene	44	ug/Kg	
L.	84-74-2	Di-n-Butyl Phthalate	30	uq/Kq	<u>t u</u>
L	04-74-2 117-84-0	Di-n-octyl Phthalate	30	ug/Kg	U U
L 1			30	uq/Kq	Ū
	53-70-3	Dibenzo(a.h)anthracene	30	ug/kg	

SAMPLE NO.

T LABORATORY			290082.08		
Site:	Location:		Group:		
Soil		Lab Sample ID:	· · · · · · · · · · · · · · · · · · ·		
		Lab File ID:	01120921.D		
			1/8/2009		
decanted: (Y/N)):	Date Extracted:	1/9/2009		
		Date Analyzed:	1/12/2009		
		Dilution Factor:			
	!:				
	Concentration	Units:			
Compound	(ug/L or ug/Kg)	ug/Kg	Q		
Dibenzofuran	30	ug/Kg	U		
Diethyl Phthalate	30	ug/Kg	U		
Dimethyl Phthalate	30	ug/Kg	U		
Fluoranthene	62	ug/Kg ug/Kg			
Fluorene	30		U		
Hexachlorobenzene	30	ug/Kg	U		
Hexachlorobutadiene	30	ug/Kg	U		
	300	ug/Kg	U		
	30	ug/Kg	U		
	33	and the second			
	30	ug/Kg	U		
	30	E	U		
	30		U		
	42				
			U		
	52				
	(g/mL) decanted: (Y/N) /olume:(uL) (uL) (uL) (uL) (uL) Dibenzofuran Dibenzofuran Dibenzofuran Dibenzofuran Eluoranthene Fluorene Hexachlorobenzene	(g/mL)			

SAMPLE NO.

	JEMIYODANEE ONGAM			2900	82.09
Lab Name: ECOTEST	LABORATORY	Contract:			
Project No.:	Site:	Location:		Group:_	
	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	
	lume: (uL)		Date Analyzed:	1/12/2009	
Injection Volume:	(uL)		Dilution Factor:		
GPC Cleanup: (Y/N)					
ar o croanap. (1) hy		Concentration	Units:		
CAS No.	Compound	(ug/L or ug/Kg)		Q	
95-50-1	1,2 Dichlorobenzene(sv)	360	uq/Kq]	
541-73-1	1,3 Dichlorobenzene(sv)	30	ug/Kg		
106-46-7	1,4 Dichlorobenzene(sv)	30	ug/Kg	Ū	
120-82-1	124-Trichlorobenzene (sv)	30	ug/Kg	Ū	
121-14-2	2,4-Dinitrotoluene	30	ug/Kg	U	
	2,6-Dinitrotoluene	30	ug/Kg	U	
606-20-2		30	ug/Kg	U	
91-58-7	2-Chloronaphthalene	30		U U	
91-57-6	2-Methylnaphthalene	30	ug/Kg	U	
88-74-4	2-Nitroaniline	300	ug/Kg ug/Kg	U	
91-94-1	3,3'-Dichlorobenzidine	30	ug/Kg ug/Kg	U U	
99-09-2	3-Nitroaniline	30	······································	U U	
101-55-3	4-Bromophenyl phenyl ether	30	ug/Kg ug/Kg	U	
106-47-8	4-Chloroaniline	30	ug/Kg	U	
7005-72-3	4-Chlorophenyl phenyl ether	30	······	U	
100-01-6	4-Nitroaniline	30	ug/Kg	U U	
83-32-9	Acenaphthene	30	ug/Kg	U	
208-96-8	Acenaphthylene	30	ug/Kg	U	
120-12-7	Anthracene	30	ug/Kg ug/Kg	U	
56-55-3	Benzo(a)anthracene	30	ug/Kg	U U	
50-32-8	Benzo(a)pyrene Benzo(b)fluoranthene	30	ug/Kg	U	
205-99-2		30	ug/Kg	Ű	
191-24-2	Benzo(ghi)perylene	30	ug/Kg	U	
207-08-9	Benzo(k)fluoranthene	30		U	
85-68-7	BenzylButylPhthalate	30	ug/Kg	U	
111-91-1	Bis(2-chloroethoxy)methane		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 U	
86-74-8	Carbazole	30	ug/Kg	UU	
218-01-9	Chrysene	30	ug/Kg		
84-74-2	Di-n-Butyl Phthalate	30	ug/Kg	UU	
117-84-0	Di-n-octyl Phthalate	30	ug/Kg		
53-70-3	Dibenzo(a,h)anthracene		ug/Kg	U	

SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: ECOTES		Contract:		290082.0	9
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/I	N):	Date Extracted:	1/9/2009	
Concentrated Extract V	(uL)		Date Analyzed:	1/12/2009	
Injection Volume:	(uL)		Dilution Factor:	30.0	
GPC Cleanup: (Y/N)	p	H:			
		Concentration			
CAS No.	Compound	(ug/L or ug/Kg)	**************************************	Q	
132-64-9	Dibenzofuran	30	ug/Kg	U	
84-66-2	Diethyl Phthalate	30	ug/Kg	<u> </u>	
131-11-3	Dimethyl Phthalate	30	ug/Kg	<u>U</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> </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> </u>	
98-95-3	Nitrobenzene	30	ug/Kg	U	
85-01-8	Phenanthrene	30	ug/Kg	U	
129-00-0	Pyrene	55	ug/Kg		

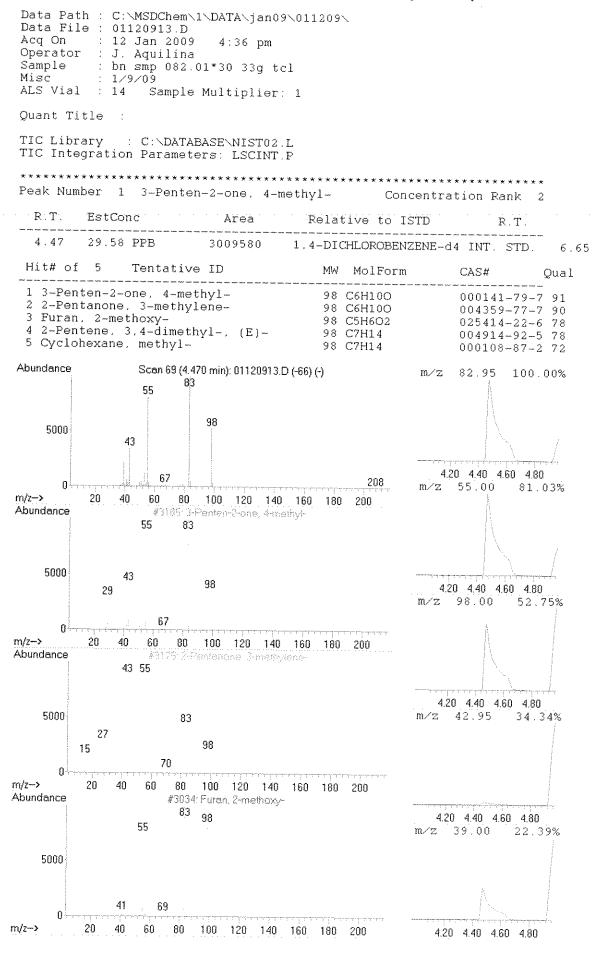
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOLINDS

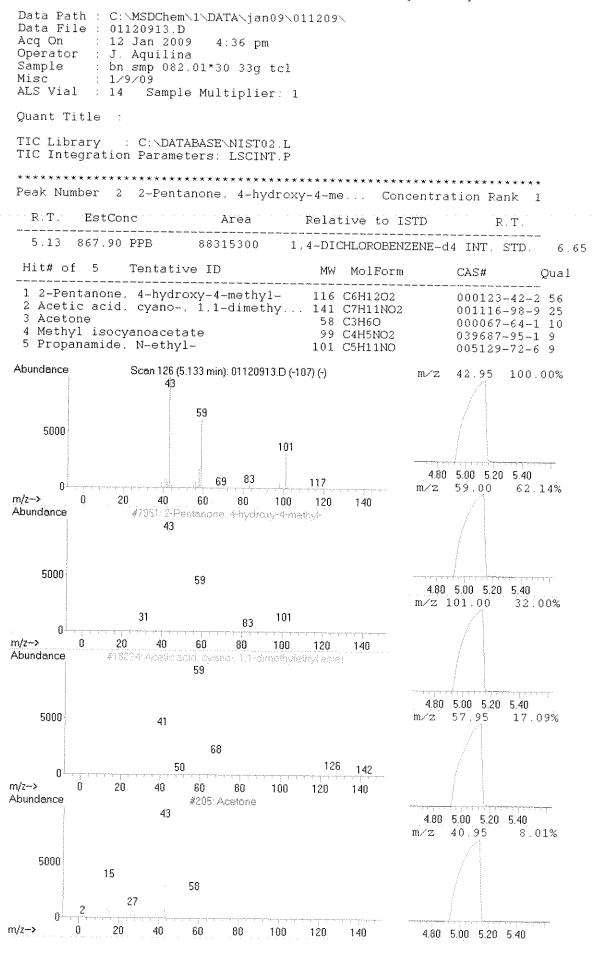
SAMPLE NO.

		TENTATIVELY IDENTIF				2900	082.01
Lab Name: ECO	-TEST LABS		Contract:			L	
Project No.:		Site:	Location:			Group:	
Matrix: (soil/water)		_			Sample ID:		
Sample wt/vol:		_(g/mL)			Lab File ID:		
Level: (low/med)		****			e Received:		
% Moisture:		decanted: (Y/N)			Extracted:		
Concentrated Extra	act Volume:	(uL)		Date	e Analyzed:		
Injection Volume:		(uL)			tion Factor:		
GPC Cleanup: (Y/N	۱)	pH:					
			centration	Units			
Number TICs found	l: <u> </u>		ug/L or ug/		ug/Kg		
	CAS Number	Compound N	ame	RT	Est. Conc.	Q	
	1. 141-79-7	3-Penten-2-one, 4-meth		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	
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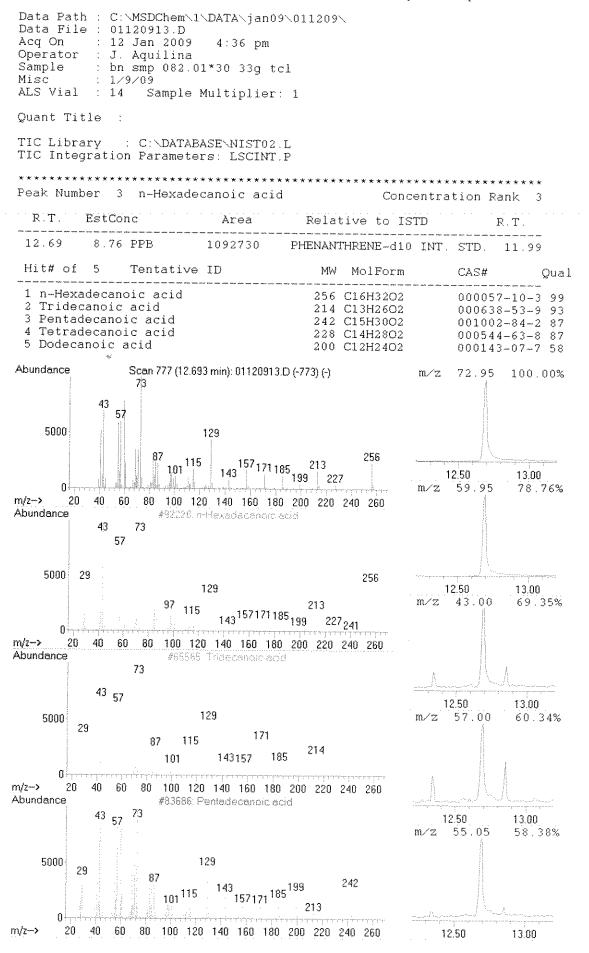
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FORM I SV-TIC





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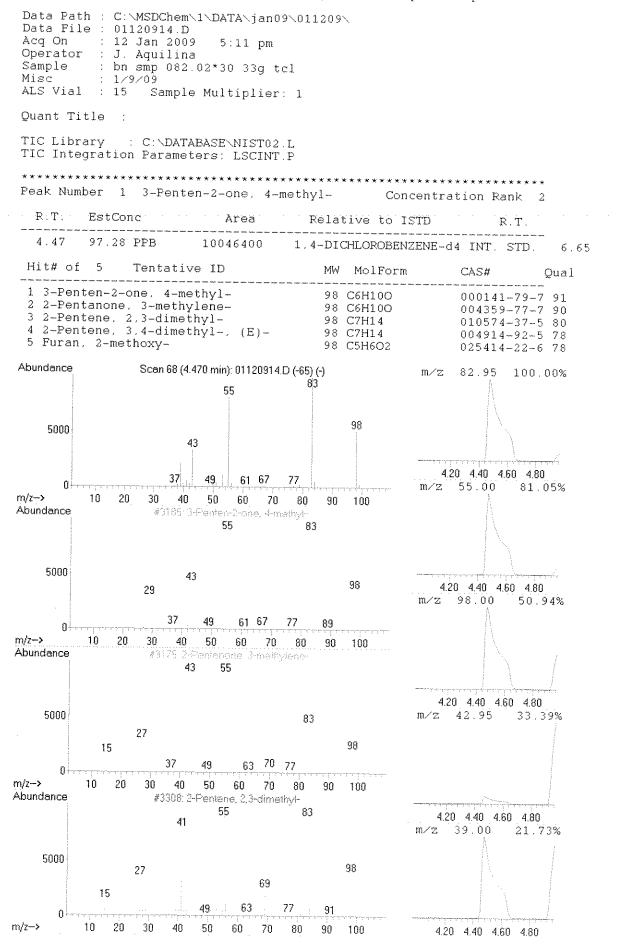


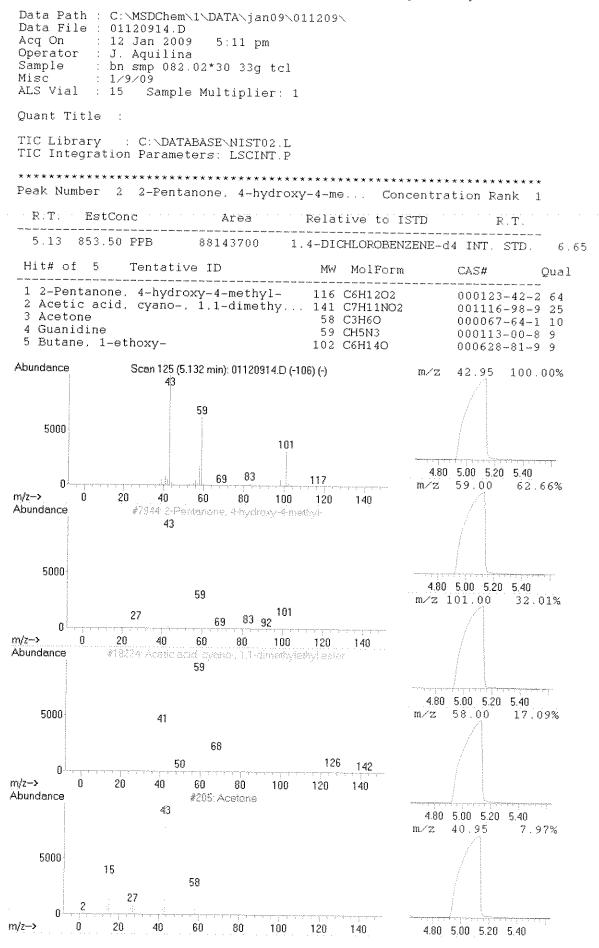
SAMPLE NO.

1F SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

290082.02 Lab Name: ECO-TEST LABS Contract: Project No.: Site: _____ Croup: _____ 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:____ Concentration Units: Number TICs found: 2 (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



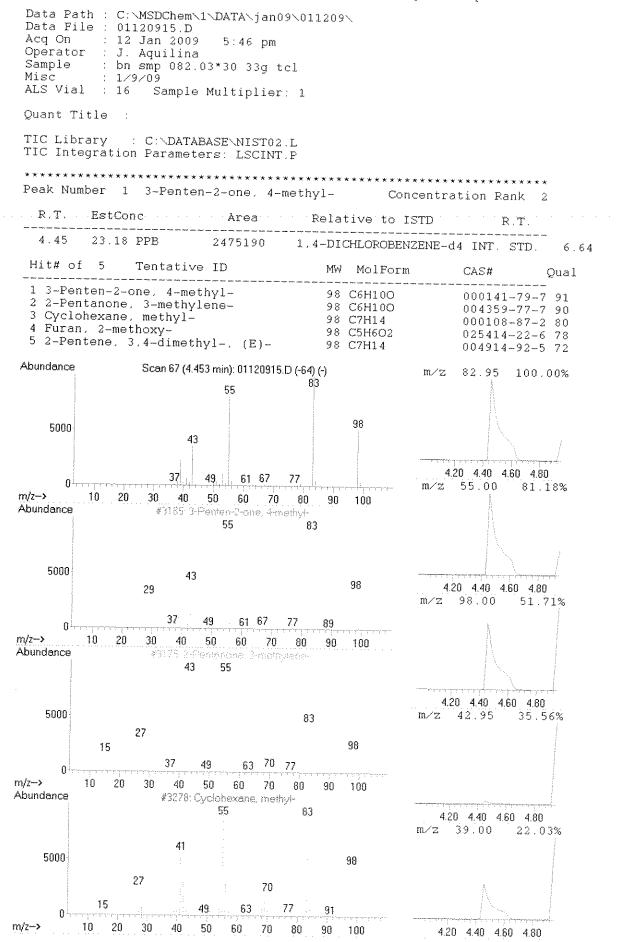


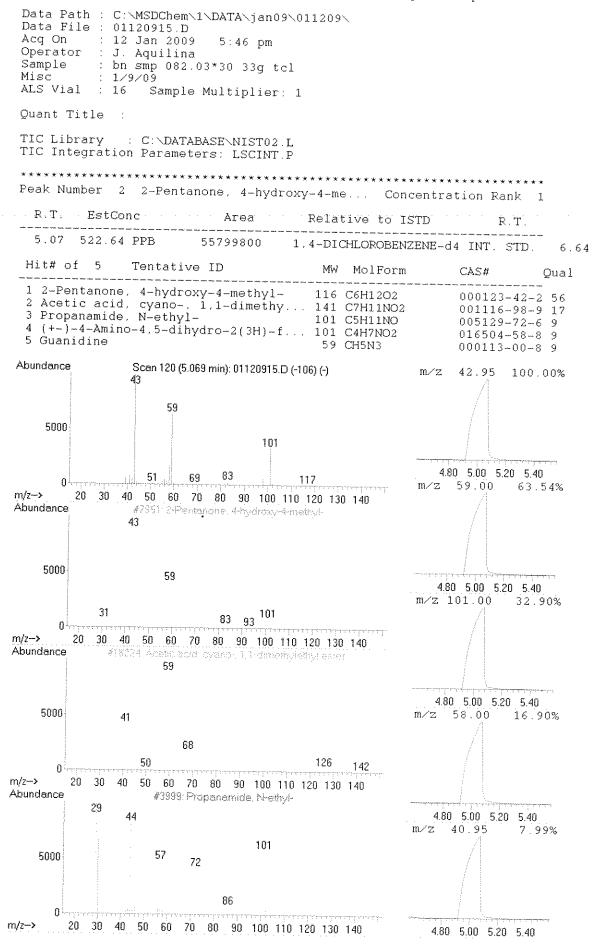
SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

290082.03 Lab Name: ECO-TEST LABS Contract: Project No.: Site: _____ Croup: _____ 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 (uL) Injection Volume: Dilution Factor: 30.0 GPC Cleanup: (Y/N) pH:____ Concentration Units: Number TICs found: 2 (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

FORM I SV-TIC





1F SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOLINDS

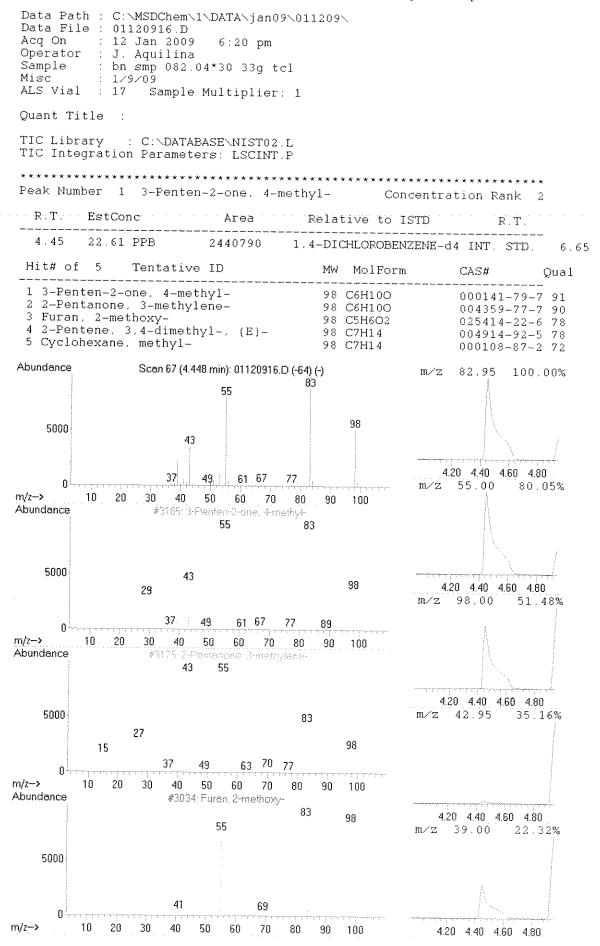
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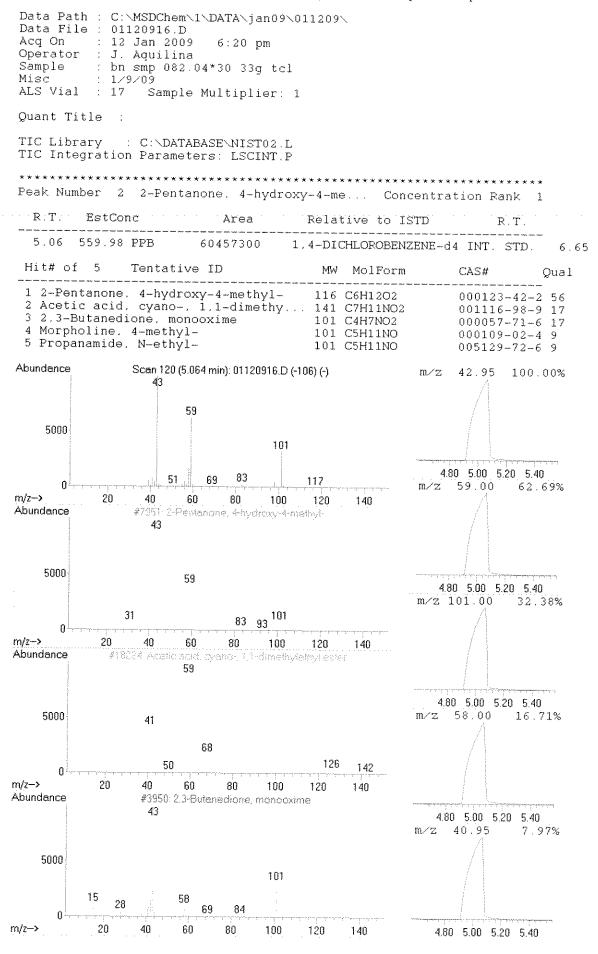
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	TENTATIVELY IDENTIFIED COMPOUNDS				290082.04		
Lab Name: <u>ECO-TEST LABS</u>		Contract:					
Project No.:	Site:	Location:			Group:		
Matrix: (soil/water)					······		
Sample wt/vol:	(g/mL)				01120916.D		
Level: (low/med)				e Received:			
% Moisture:	decanted: (Y	decanted: (Y/N) (uL)					
Concentrated Extract Volume:	(uL)	· · · · · · · ·	Date	e Analyzed:	1/12/09		
njection Volume:				tion Factor:			
GPC Cleanup: (Y/N))H:	8447 F. C. 1449	aon aoron.			
Number TICs found:2		Concentration (ug/L or ug)		ug/Kg			
CAS Number		ound Name	RT	Est. Conc.	Q		
<u>1. 141-79-7</u> 2. 123-42-2	3-Penten-2-one, 4	the second s	4.45		J		
2. 125-42-2	2-Pentanone, 4-hy	/droxy-4-methyl-	5.06	17000	J		
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SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

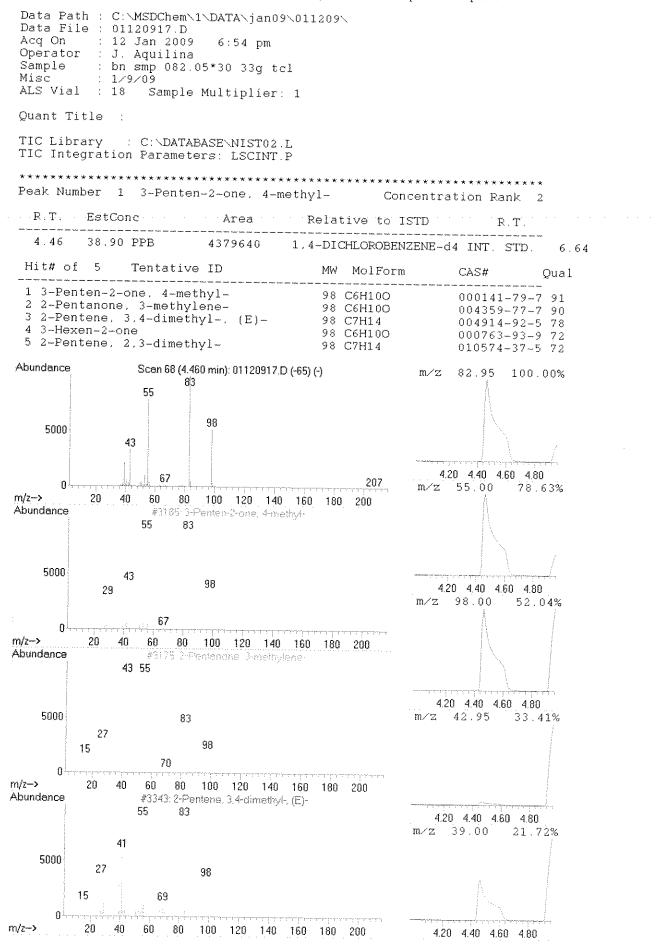
		TENTATIVELY IDENTIFIED COMPOUNDS			290082.05		
Lab Name: ECO-T	EST LABS		Contract:			L	
Project No.:	******	Site:	Location:	ocation:			
Matrix: (soil/water)		_		Lab	Sample ID:		
Sample wt/vol:		(g/mL)				01120917.D	
Level: (low/med)	·····			Date	Received:	1/8/09	
% Moisture:		decanted: (Y/N)		Date	Extracted:	1/9/09	
Concentrated Extrac	t Volume:	(uL)			e Analyzed:		
Injection Volume:		_(uL)			ion Factor:		
GPC Cleanup: (Y/N)	······	pH:					
Number TICs found:	3	Concentration Units: (ug/L or ug/Kg) ug/Kg					
	CAS Number	Compoun		RT	Est. Conc.	Q	
	1.141-79-7	3-Penten-2-one, 4-m		4.46	*****	J	
ŀ	<u>2. 123-42-2</u> 3. 57-10-3	2-Pentanone, 4-hydro n-Hexadecanoic acid		5.06		J	
-		III II II II III ACIU		12.69	390	J	

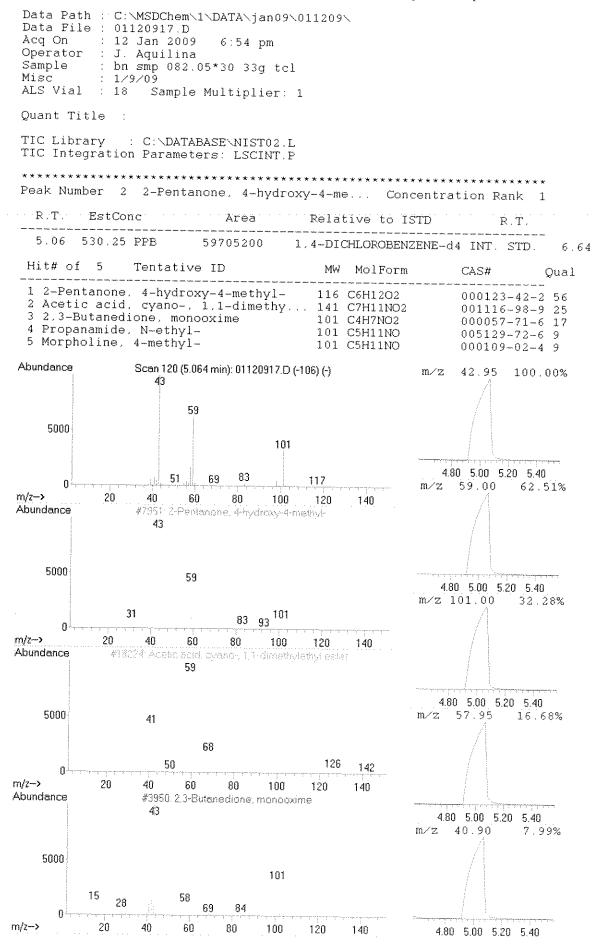
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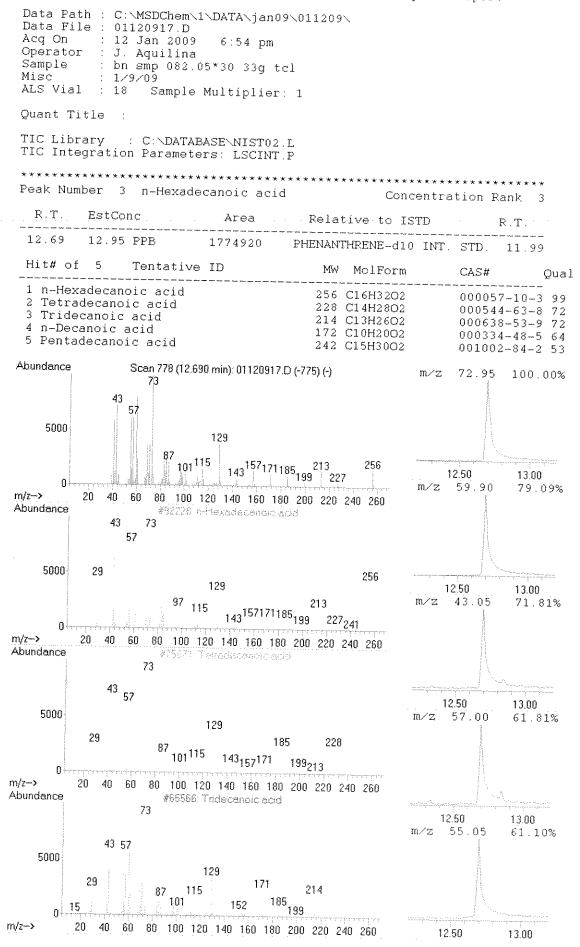
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FORM I SV-TIC





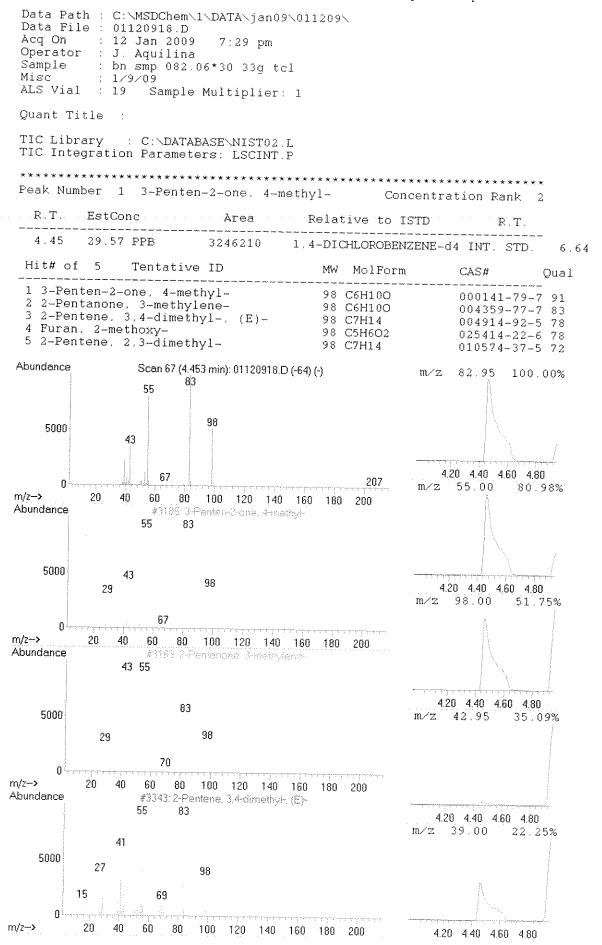


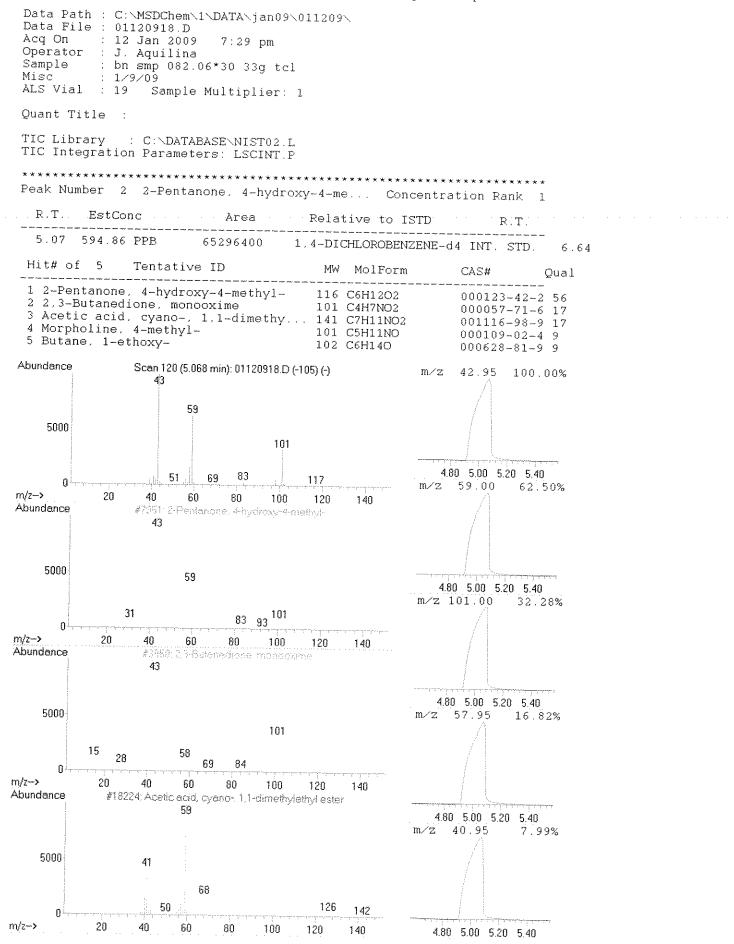
SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

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: Concentration Units: Number TICs found: 2 (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



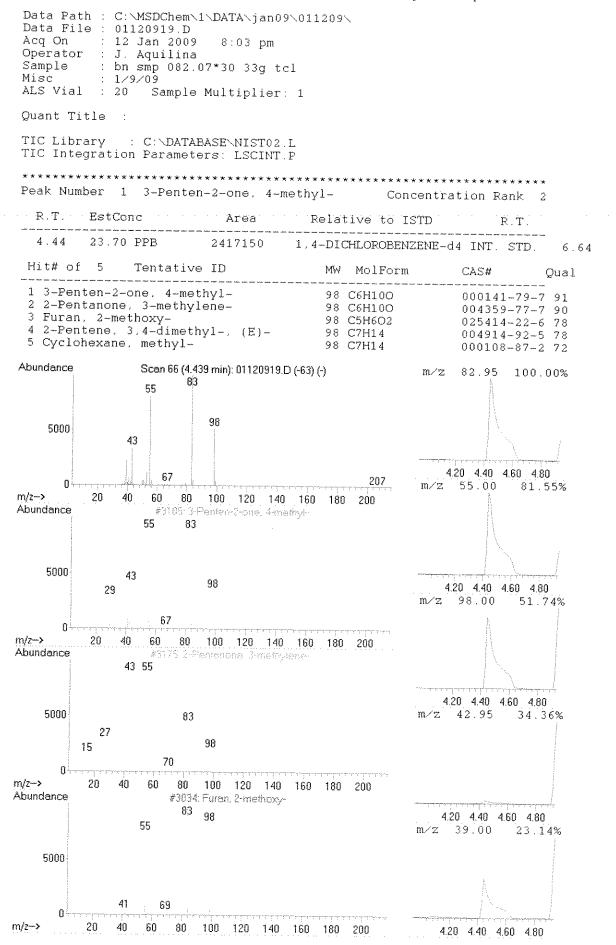


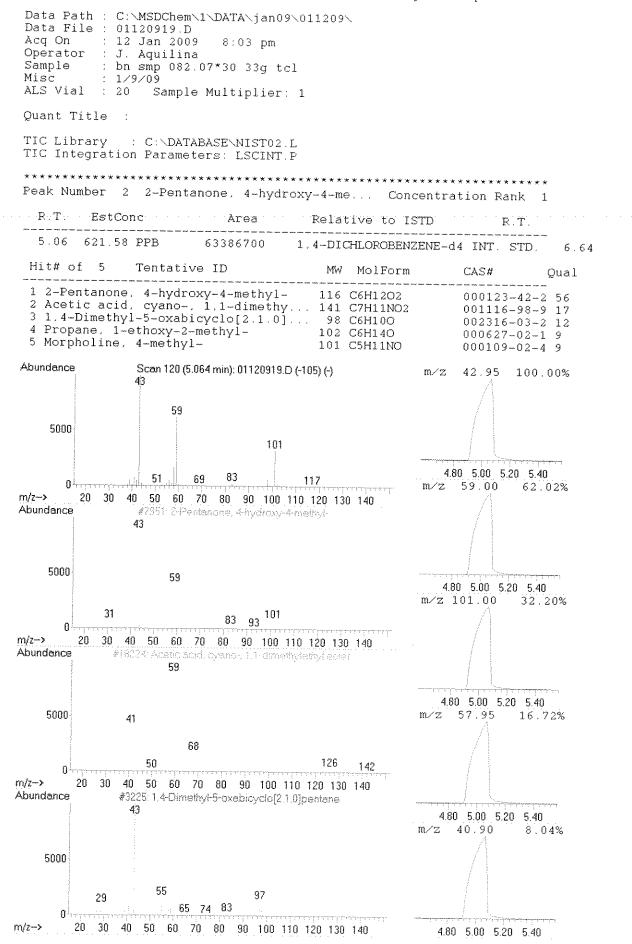
SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

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:_____ -... Concentration Units: Number TICs found: 2 (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 4 4 710 J 2.123-42-2 2-Pentanone, 4-hydroxy-4-methyl-5.06 19000 J

FORM I SV-TIC





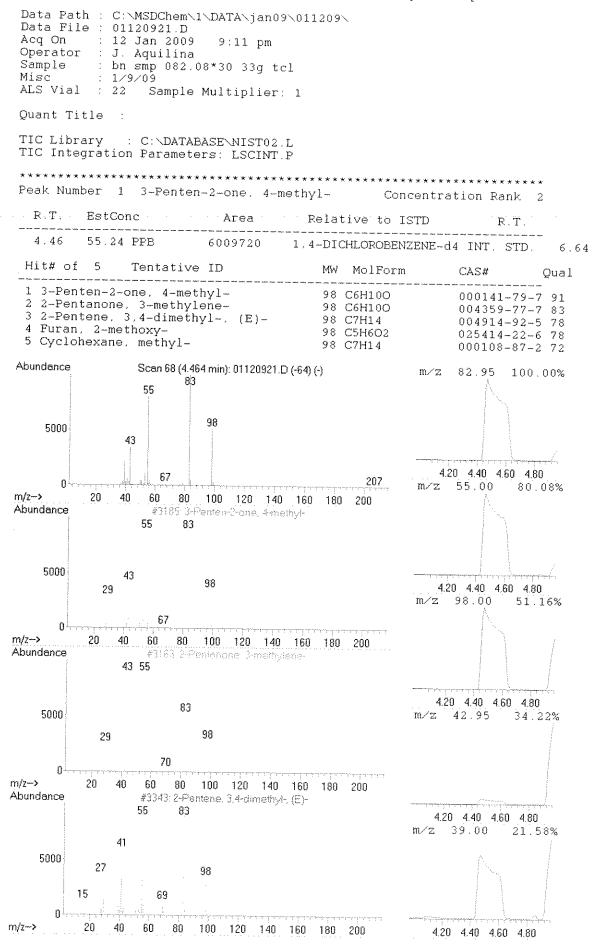
1F SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

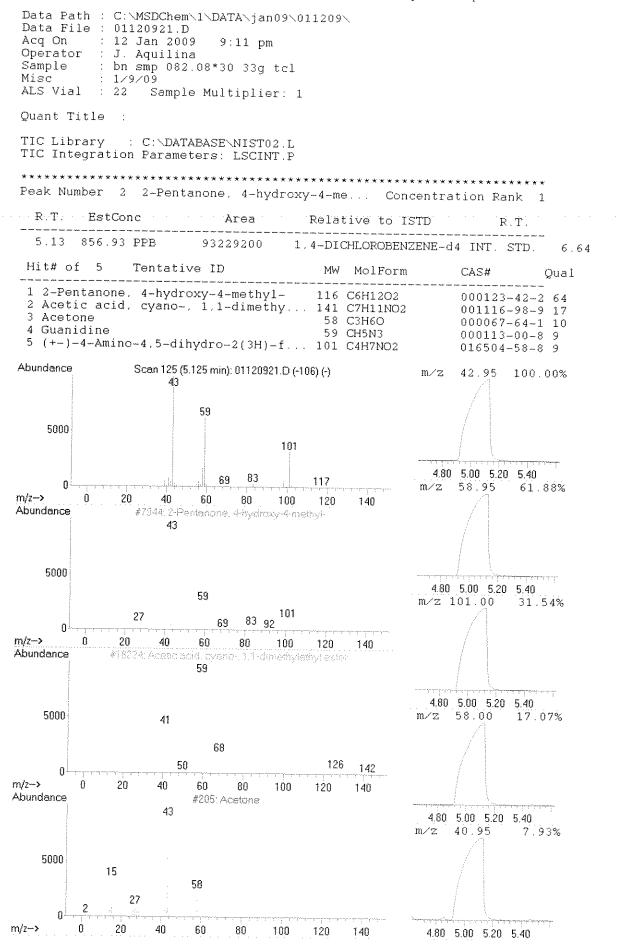
SAMPLE NO. 290082.08

				001100		2000	102.00
Lab Name: ECO-	TEST LABS	······	Contract:				
Project No.:		Site:	Location			Group:	
Matrix: (soil/water)				Lab	Sample ID:		
Sample wt/vol:		_(g/mL)			Lab Sample ID: Lab File ID: 01120921.D		
Level: (low/med)					e Received:		
% Moisture:		decanted: (Y/			Extracted:		
Concentrated Extra	ict Volume:	(uL)		Date	Analyzed:		
Injection Volume:					ion Factor:		
GPC Cleanup: (Y/N			- 1:				
Number TICs found			Concentration (ug/L or ug/		ug/Kg		
	CAS Number		ind Name	RT	Est. Conc.	Q	
	1. 141-79-7	3-Penten-2-one, 4-		4.46	1700	J	
	2. 123-42-2	2-Pentanone, 4-hyc	iroxy-4-methyl-	5.13	26000	J	

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FORM I SV-TIC





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SAMPLE NO.

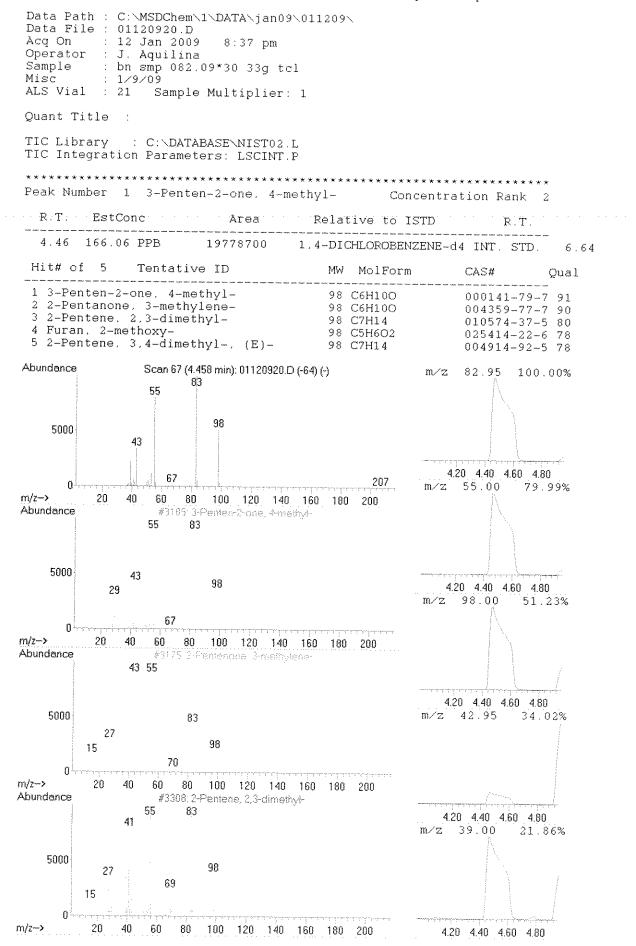
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

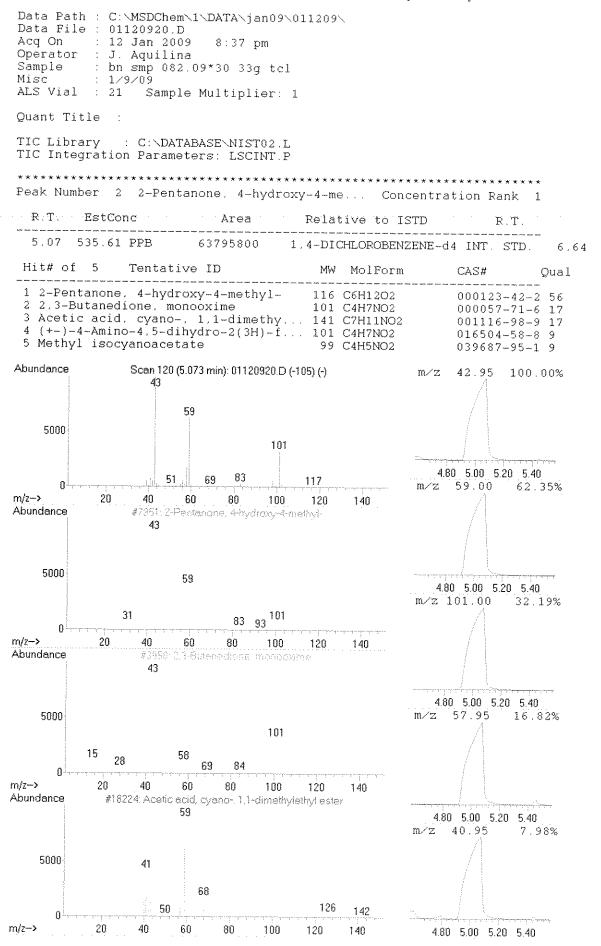
		TENTATIVELY II	290	290082.09			
Lab Name: ECO-	TEST LABS		Contract:			l	
Project No.:		Site:	Location:			Group	
Matrix: (soil/water)	·····			Lab	Sample ID:		
Sample wt/vol:		(g/mL)			Lab File ID:		
Level: (low/med)				Date	e Received:	1/8/09	
% Moisture:		decanted:	(Y/N)	Date	e Extracted:	1/9/09	**
Concentrated Extra	ct Volume:	decanted: (uL)		Date	e Analyzed:	1/12/09	
Injection Volume:		(uL)			tion Factor:		-
GPC Cleanup: (Y/N)		pH:				-
			Concentration	Units:			
Number TICs found	: 5		(ug/L or ug	J/Kg) <u>ug/Kg</u>			
	CAS Number		oound Name	RT	Est. Conc.	Q]
	1. 141-79-			4.46	the second se	J	
	2. 123-42-		hydroxy-4-methyl-	5.07 6.42		J	
	<u>3. 142-62-</u> 4. 124-07-		Hexanoic acid			ل	
	5. 100028					J	
	0. 700020	0 40 4.Deta. 150 Metriyi	IOHOHA	21.50	420	J	
			·····				

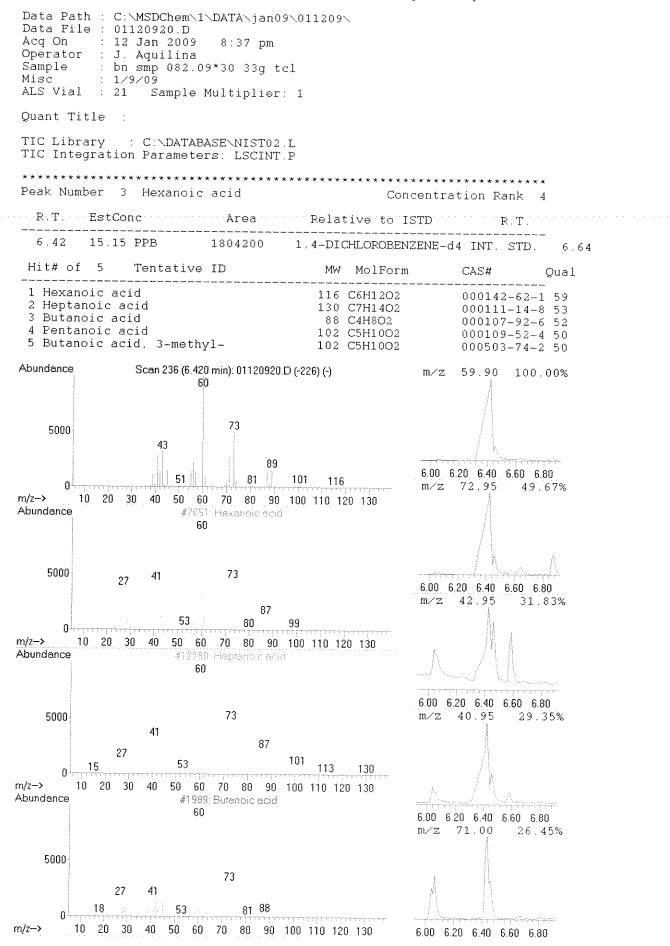
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L.							

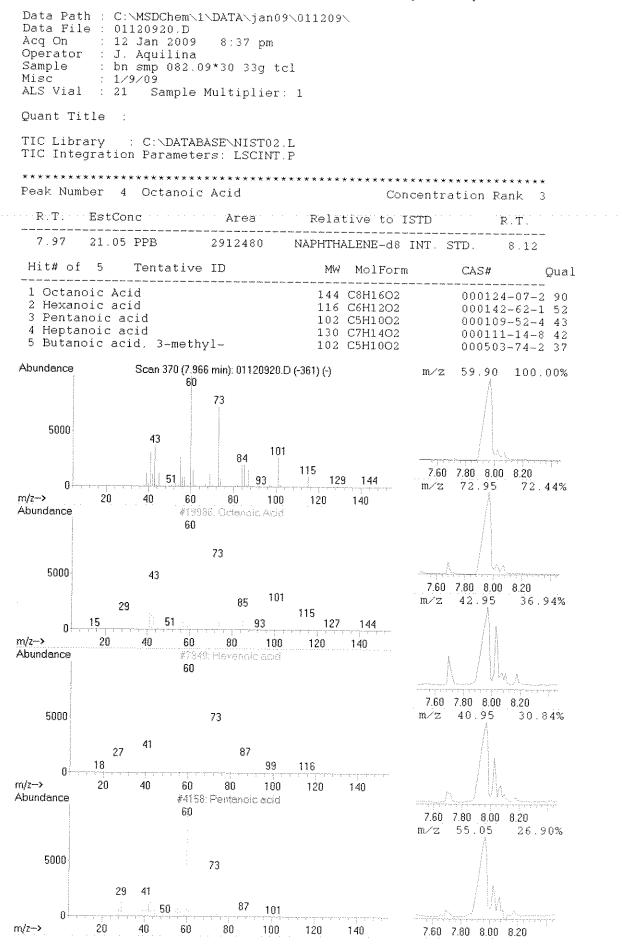
FORM I SV-TIC

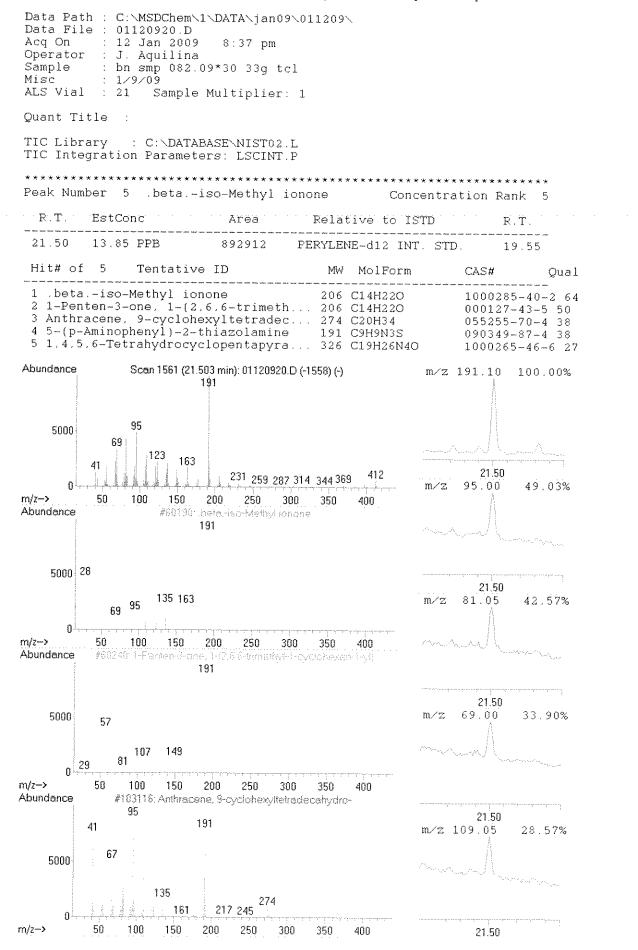
3/90











118107	Sph_ Spk_	L S TCLP	10.0 g 10 10.0 g 10 100.0 m L		0069 ×100 016 × 10 5pk ×10 spk ×10	PAH	N/A	NIA 42,712	c U
1/8/07	LCS 0023 Pest Bik Spk	TCLP		Ome Ome	6023 ×10 Blh ×10 Sph ×10	BNA Pest		<2,712 ~7	
1/8/09	Sph LCS 0023 GLTRH BIK	truf W		OML	Sph x10 CCS X10 0023 X10 BIK X L	Past- Getter	- 7	, 7]] - 7	
1/9/09	0023 DRO BIK SPK SPK	2 0	25.0g	AL AL	6023 KV Blk ×40 Spk ×40 Spk ×40	DRO	~ 7 N/A	NIA	e ' ~
1/1/09	LCS 0079 0023 BN BIK	5	25.0g 25.0g 5.0g 1.0 33.3g		6079 × 40 6079 × 40 6023 × 200 B1k × 30	DRO GCTPH BN	N/A	N1A	
	sph sph LCS			ome	SQK × 30 SQK × 30 LCS × 30	BN .	N/A	NIA	

EXTERCTION LON

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		50.0 pl fest	55	Pest BIK
To emp				Spk
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		20.0,1000	22	0023
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	х 1. ч. ч. н. н. н. н. н.			sph
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and the second				
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و	ASEZ	ZO, Up L DRO	J S	0023
and ²⁰¹⁷		100.0 pl BM	·	BN BIK
	· · · · · · · · · · · · · · · · · · ·			SPK
	AS62	100.010 BM	····· * ···	Spk
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	ang mangang sita sa magagika			,
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PATE	Sample ID	Marix	Scomple wt. Volume		Vial The Dil-	Method	=r pit	Fr.
1 inglog	0082-01	15	33-34		0082.01 × 36	BN	NA	PH C
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	-03	ng lan Marada (nana akana gapa			2082.03 × 30		A CALOR AND A C	i na
	.04	S-VIII-S-S-S-V-samples			6082-04 × 30		ing manadoxide in the second second	
	,55				0082-05 + 30			
	.04		Server of Annal Contraction of the		3082.06 × 30			
	.07				0082.07×30			
···	8 0.	· · ·			0082,08 × 30		and a surface second second	
and the second			33-39	Ý	0082-23 × 30	Ben		
	0077.01	~	10.09	2. Oni	0077.01×200	PACH	1999 (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (199	C
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^{terna} r (0023	tete	(00,0mL	5.0 pt	0023 ×10	Herb	~ ~ ~ ~	62
1/12/09	PCPA BIL	2	1000.0mL		BIKXI	pcra		>12,42
	Spk				spk x1	vonnen så	saman na farana da Maria	>12,62
N-sac _{pe}	sph				sph ×1	referede rougen og ander og	and a second for the second	
	<u>د</u> رج				LCS ×1			÷
	0056.02	4			0256 02 ×1		e e e e e e e e e e e e e e e e e e e	
	,03	N	1000 0 m (005603×1	PUPA	* 7	>12,62
~ 1/12/09	PCB BIK	S	25.0j	10.000	BIK ×40	ŶĊŀØ	N/N	NUP
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			1000.0100	1.000	Sph x o.(Page 1	

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L clu				2077,01
NIA CIU	ASE 2	100.0, L BN	22	0077.02
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12,62)			(spk
(3.0 OC PA				<u>spk</u>
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2, 12	NIA	10.0 pt 515.1	JSIRS	.03
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exp. 1/10		SOLONL PCB	1	ice
JIA 61.	ASE 2	10,0,1 108	55	0079
• 7	NIA	5. Onl PCB	l.	PCB BIK
1 2 0.4 1260		L	L	Sph
7-21-08 exp. 1-21-09	NLA	5.0 pc pcB	5.5 J	Sph

Methc Title Last	d Path : C:\MSDCHEM d File : G3120108.M : BASE/NEUTRA Update : Tue Dec 0 nse Via : Initial C	LS & ACID E 2 11:28:49	XTRACTABLES	5		
Calib 30 = 20 =	ration Files 12010802.D 10 =1 12010806.D 40 =1	2010805.D 2010807.D	1 =12010 60 =12010	1803.D 1808.D		
	Compound	30 10	1 20	40	60 Avg	%RSD
1) I 2) T 3) T 4) S 5) S 6) T 7) T 9) T 10) T 11) T 12) T 13) T 14) T 15) T 16) T 17) T 18) T	1.4-DICHLOROBENZEI N-NITROSODIMETHYL PYRIDINE 2-FLUOROPHENOL SU PHENOL-d6 SURR. PHENOL CCC aniline BIS(2-CHLOROETHYL 2-CHLOROPHENOL 1.3 DICHLOROBENZE 1.4 DICHLOROBENZE benzyl alcohol 1.2-DICHLOROBENZE 2-METHYLPHENOL BIS(2-CHLOROISOPR 4-METHYLPHENOL N-NITROSO-DI-N-PR HEXACHLOROETHANE	NE-d	$\begin{array}{c} 0.735 & 0.6\\ 1.292 & 1.0\\ 0.924 & 0.9\\ 1.149 & 1.0\\ 0.6\\ 1.483 & 1.2\\ 0.6\\ 1.483 & 1.2\\ 1.150 & 0.9\\ 1.158 & 0.9\\ 1.158 & 0.9\\ 1.125 & 0.9\\ 0.903 & 0.7\\ 1.171 & 0.9\\ 0.8\\ 1.3\\ 1.276 & 1.1\\ 0.5\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\ 0.514 & 0.3\\$	STD 00 0.590 91 1.054 05 0.875 54 0.950 38 1.065 69 0.585 60 1.115 37 0.839 15 0.894 13 0.827 94 0.696 24 0.853 65 0.741 04 1.060 07 0.922 59 0.480 96 0.383	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	12.47 10.36 5.74 12.13 15.48 25.59 18.34 16.36 18.85 13.25 19.07 19.70 28.07 19.26 19.24
20) S 21) T 22) T 23) T 24) T 25) T 26) T 27) T 28) T 29) T 30) T 31) T 32) T	NAPHTHALENE-d8 INT NITROBENZENE-d5 S NITROBENZENE ISOPHORONE 2.4 DIMETHYLPHENO Benzoic Acid 2-NITROPHENOL BIS(2-CHLOROETHOX 2.4 DICHLOROPHENO 1.2.4 TRICHLOROBE NAPHTHALENE 4-CHLOROANILINE HEXACHLOROBUTADIE 4-CHLORO-3-METHYL 2-METHYLNAPHTHALE 2-NITROANILINE	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c} 0.376 & 0.38 \\ 0.376 & 0.38 \\ 1.219 & 1.03 \\ 0.391 & 0.36 \\ 0.271 & 0.26 \\ 0.686 & 0.57 \\ 0.366 & 0.366 \\ 0.391 & 0.33 \\ 1.309 & 1.12 \\ 0.310 & 0.38 \\ 0.208 & 0.166 \\ 0.482 & 0.46 \end{array}$	$\begin{array}{c} 510 \\ -56 \\ 0 \\ .375 \\ 98 \\ 0 \\ .398 \\ 28 \\ 0 \\ .985 \\ 28 \\ 0 \\ .398 \\ 28 \\ 0 \\ .398 \\ 28 \\ 0 \\ .398 \\ 10 \\ .249 \\ 10 \\ .249 \\ 10 \\ .249 \\ 10 \\ .249 \\ 10 \\ .249 \\ 10 \\ .249 \\ 10 \\ .249 \\ 10 \\ .249 \\ 10 \\ .249 \\ 10 \\ .249 \\ 10 \\ .249 \\ 10 \\ .249 \\ 10 \\ .249 \\ 10 \\ .249 \\ 10 \\ .249 \\ 10 \\ .249 \\ 10 \\ .249 \\ 10 \\ .249 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0,390 & 0.370 \\ 0.390 & 0.415 \\ 0.954 & 1.040 \\ 0.295 & 0.314 \\ 0.311 & 0.282 \\ 0.233 & 0.251 \\ 0.516 & 0.575 \\ 0.298 & 0.335 \\ 0.288 & 0.334 \\ 0.914 & 1.076 \\ 0.395 & 0.367 \\ 0.173 & 0.173 \\ 0.270 & 0.400 \\ 0.395 & 0.400 \\ 0.395 & 0.400 \\ 0.400 \\ 0.400 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 \\ 0.415 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42) 1 43) T 44) T 45) T 46) T 47) T 48) T	ACENAPHTHENE-d10 I HEXACHLOROCYCLOPE 2.4.6-TRICHLOROPH 2.4.5 TRICHLOROPH 2-FLUOROBIPHENYL 2-CHLORONAPHTHALE DIMETHYLPHTHALATE 2.6 DINITROTOLUEN ACENAPHTHYLENE 3-NITROANILINE ACENAPHTHENE CCC 2.4-DINITROPHENOL 4-NITROPHENOL SP DIBENZOFURAN 2.4 DINITROTOLUEN DIEETHYLPHTHLATE 4-CHLOROPHENYLPHE FLUORENE 4-NITROANILINE	0.193 $0.1260.387$ $0.4250.367$ $0.3481.144$ $1.1361.403$ $1.6031.788$ $2.0700.404$ $0.5002.044$ $2.5560.449$ $0.4771.270$ $1.5440.206$ $0.1220.236$ $0.2301.852$ $2.2560.575$ $0.6501.840$ $2.2810.535$ $0.7051.370$ $1.7530.254$ 0.256	$\begin{array}{c} 0.16\\ 0.427 & 0.40\\ 0.469 & 0.34\\ 1.153 & 1.14\\ 1.794 & 1.45\\ 2.274 & 1.92\\ 0.500 & 0.43\\ 2.885 & 2.29\\ 0.405 & 0.45\\ 1.733 & 1.43\\ 0.19\\ 0.27\\ 2.680 & 1.99\\ 0.502 & 0.61\\ 2.618 & 1.99\\ 0.58\\ 1.54\\ 0.23\end{array}$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c} 26.10\\ 7.52\\ 12.83\\ 2.76\\ 13.43\\ 10.88\\ 13.75\\ 17.53\\ 8.40\\ 13.67\\ 23.00\\ 7.99\\ 17.34\\ 7.47\\ 16.95\\ 15.92\\ 15.01\\ 20.49 \end{array}$
54) I 55) T 56) T 57) T 58) S 59) T	PHENANTHRENE-d10 IN 4.6-DINITRO-2-MET (N-NITROSODIPHENYL (1.2 DIPHENYLHYDRA 1 2.4.6 TRIBROMOPHE (4-BROMOPHENYLPHEN ($0.179 \ 0.169$ $0.504 \ 0.624$ $347 \ 1.648$	0.18 0.629 $0.531.611$ 1.423	7 0.177 0 2 0.500 0 8 1 200 1	.156 0.170 .434 0.535	8.03 16.49

Maria A

BNA + BZ CUEVE CUEVE

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)THEXACHLOROBENZENE0.2461)TPENTACHLOROPHENOL0.1462)TPHENANTHRENE1.2863)TANTHRACENE1.3364)TCARBAZOLE1.5265)TDI-N-BUTYLPHTHALA2.2466)TFLUORANTHENECCC1.32	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	0.141 0.139 5.69 1.107 1.350 14.88 1.161 1.397 17.02 1.277 1.483 14.39 1.882 2.421 19 90						
67) I CHRYSENE-d12 INT. STD	ISTD							
68) T BENZIDINE	4 1.618 1.762 1.453 1.319 0 0.784 0.773 0.775 0.817 5 1.264 1.260 1.142 1.098 7 1.755 1.892 1.551 1.437 9 1.256 1.368 1.241 1.161	$\begin{array}{cccccccccccccccccccccccccccccccccccc$						
75) I PERYLENE-d12 INT. STD	ISTD							
 76) T 3,3'-DICHLOROBENZ 77) T DI-N-OCTYL PHTHAL 4,15 78) T BENZO(B)FLOURANTH 1.73 79) T BENZO(K)FLUORANTH 1.40 80) T BENZO(A)PYRENE CC 1.35 81) T DIBENZO(A,H)ANTHR 1.03 82) T INDENO(1,2,3-CD)P 1.23 83) T BENZO(G,H,I)PERYL 1.07 	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$						
(#) = Out of Range ### Numbe:	c of calibration levels ex	ceeded format ###						

Data Path : C:\OLDDATA\DEC08\120 Data File : 12010802.D Acq On : 1 Dec 2008 11:05 an Operator : J. Aquilina Sample : bna std 30 ppb s08-2 Misc : ALS Vial : 3 Sample Multiplie: Quant Time: Jan 14 14:24:33 2009 Quant Title : QLast Update : Thu Nov 13 09:14:3 Response via : Initial Calibratic	m r: 1 22 2008					
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)	
Internal Standards 1) 1.4-DICHLOROBENZENE-d4 INT 19) NAPHTHALENE-d8 INT. STD. 35) ACENAPHTHENE-d10 INT. STD. 54) PHENANTHRENE-d10 INT. STD. 67) CHRYSENE-d12 INT. STD. 75) PERYLENE-d12 INT. STD.	6.71 8.17 10.28 12.04 16.28 19.60	150 136 162 188 240 264	1359445 2811213 1369979 1928538 1765568 1132345	40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB	0.00 0.00 0.00 0.00 0.00 0.01 0.00	
System Monitoring Compounds 4) 2-FLUOROPHENOL SURR. 5) PHENOL-d6 SURR. 20) NITROBENZENE-d5 SURR. 39) 2-FLUOROBIPHENYL SURR. 58) 2.4.6 TRIBROMOPHENOL SURR. 70) TERPHENYL did SURD.	5.37 6.38 7.37 9.48 11.24	112 99 82 172 330	2981202 3272949 2653121 3919019 519299	102.16 PPB 100.94 PPB 105.44 PPB 94.50 PPB 95.50 PPB	-0.07 -0.05 0.00 0.00 0.00 0.00	
 TARGET COMPOUNDS N-NITROSODIMETHYLAMINE PYRIDINE PYRIDINE PHENOL CCC aniline BIS(2-CHLOROETHYL)ETHER 2-CHLOROPHENOL 1.3 DICHLOROBENZENE 1.4 DICHLOROBENZENE CCC benzyl alcohol 1.2-DICHLOROBENZENE 2-METHYLPHENOL BIS(2-CHLOROISOPROPYL)ETHE 4-METHYLPHENOL BIS(2-CHLOROISOPROPYL)ETHE 4-METHYLPHENOL NITROBENZENE NITROBENZENE 2.4 DIMETHYLPHENOL BES(2-CHLOROETHANE SCOPHORONE 2.4 DICHLOROBENZENE SCOPHORONE 2.4 DICHLOROPHENOL CCC BIS(2-CHLOROETHOXY)METHANE MEXACHLOROPHENOL CCC 1.2.4 TRICHLOROBENZENE MAPHTHALENE 4-CHLOROANILINE HEXACHLOROBUTADIENE CCC 2-METHYLNAPHTHALENE 2-MITROANILINE HEXACHLOROCYCLOPENTADIENE 2.4.6-TRICHLOROPHENOL CCC 2.4.5 TRICHLOROPHENOL 2-CHLORONAPHTHALENE 2.4.6 DINITROTOLUENE 3.4CENAPHTHENE ACENAPHTHENE 	3.95 3.94 6.39 6.45 6.66 6.93 7.05 7.21 7.22 7.22 7.21 7.22 7.39 7.66 7.91 8.02 7.90	74 79 93 128 146 146 108 45 107 43 117 77 82 107 105 139	601664 1113572 1148826 643389 1144735 877712 924068 899046 744978 894968 800099 1223980 1033565 540014 393346 878096 2037950 652543 569805 536645 1156435	30.65 PPB 32.50 PPB 29.93 PPB 18.41 PPB 29.12 PPB 28.59 PPB 28.59 PPB 28.10 PPB 28.10 PPB 28.10 PPB 28.55 PPB 31.50 PPB 29.35 PPB 29.35 PPB 29.55 PPB 28.52 PPB 30.10 PPB 30.47 PPB 25.81 PPB 26.38 PPB 30.02 PPB 30.19 PPB	Qvalue 98 96 83 96 98 100 97 96 97 96 # 62 # 95 97 99 97 99 97 99 97 99 97 99 97	

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Data Path : C:\OLDDATA\DEC08\1201 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	l				
Quant Time: Jan 14 14:24:33 2009 Quant Title : QLast Update : Thu Nov 13 09:14:2 Response via : Initial Calibratio	2 2008 n				
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards 52) FLUORENE 53) 4-NITROANILINE 55) 4.6-DINITRO-2-METHYLPHENOL 56) N-NITROSODIPHENYLAMINE 57) 1.2 DIPHENYLHYDRAZINE 59) 4-BROMOPHENYLPHENYL ETHER 60) HEXACHLOROBENZENE 61) PENTACHLOROPHENOL CCC 62) PHENANTHRENE 63) ANTHRACENE 64) CARBAZOLE 65) DI-N-BUTYLPHTHALATE 66) FLUORANTHENE CCC 68) BENZIDINE 69) PYRENE 71) BUTYLBENZYLPHTHALATE 72) BIS(2-ETHYLHEXYL)PHTHALATE 73) BENZO(A)ANTHRACENE 74) CHRYSENE 76) 3.3'-DICHLOROBENZIDINE 77) DI-N-OCTYL PHTHALATE CCC 78) BENZO(B)FLOURANTHENE 79) BENZO(K)FLUORANTHENE 80) BENZO(A)PYRENE CCC 81) DIBENZO(A,H)ANTHRACENE 82) INDENO(1.2.3-CD)PYRENE 83) BENZO(G,H,I)PERYLENE	$\begin{array}{c} 10.92\\ 11.01\\ 11.06\\ 11.09\\ 11.49\\ 11.68\\ 11.91\\ 12.06\\ 12.12\\ 12.32\\ 12.32\\ 12.30\\ 13.64\\ 0.00\\ 13.98\\ 15.19\\ 16.49\\ 16.23\\ 16.33\\ 0.00\\ 17.94\\ 18.72\\ 18.78\\ 19.47\\ 22.08\end{array}$	$\begin{array}{c} 166\\ 138\\ 198\\ 168\\ 77\\ 248\\ 284\\ 266\\ 178\\ 167\\ 149\\ 202\\ 184\\ 202\\ 149\\ 228\\ 252\\ 149\\ 252\\ 252\\ 252\\ 252\\ 252\\ 278\\ \end{array}$	$\begin{array}{c} 1408092\\ 261319\\ 259513\\ 728531\\ 1948546\\ 334580\\ 347923\\ 207984\\ 1862983\\ 1932375\\ 2198170m\\ 3246192\\ 1913624\\ 0\\ 1872475\\ 1476316\\ 1982067\\ 1561131\\ 1505552\\ 0\\ 3529685\\ 1470246\\ 1194162\\ 1146590\\ 880653m\\ \end{array}$	27.69 PPB 26.45 PPB 31.00 PPB 28.61 PPB 31.58 PPB 27.91 PPB 27.67 PPB 29.29 PPB 29.03 PPB 29.03 PPB 29.32 PPB 0.21 PPB 30.21 PPB 32.18 PPB 32.18 PPB 32.12 PPB 31.95 PPB 29.55 PPB 0.D 37.31 PPB 33.51 PPB 29.50 PPB 30.52 PPB 30.52 PPB	96 # 74 # 86 # 98 95 95 # 99 96 100 99 99 99 99 97 97 97 100 100 100 100 99 99 99 99
82) INDENO(1,2,3-CD)PYRENE 83) BENZO(G,H,I)PERYLENE	22.04 22.59	276 276	1046628m 910881m	29.61 PPB 27.10 PPB	

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	
Abundance 8000000	TIC: 12010802.D
7500000	
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32000000 32000000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 3200000 32000000 3200000 32000000 32000000 32000000 32000000 32000000 32000000 32000000 320000000 32000000 320000000 320000000 320000000 320000000 320000000 320000000 320000000 320000000 320000000 3200000000 3200000000 3200000000 3200000000 3200000000 3200000000 32000000000 32000000000 320000000000	FLUORANTHENE CCC,T PYRENE, T BUTYLBENZYLPHTHA BIS(2-ETHYLHEXYL)P DI-N-OCTYL PHTHALATE
2200000 22-FLUOROPHENOL SURP.S 2200000 23-FLUOROPHENOL SURP.S 2200000 24-FLUOROPHENOL SURP.S 2200000 24-FLUOROPHENOL SURP.S 22-FLUOROPHENOL SURP.S 24-FLUOROPHENOL SURP.S 23-FLUOROPHENOL SURP.S 24-FLUOROPHENOL SURP.S 24-FLUOROPHENOL SURP.S 24-FLUOROPHENOL SURP.S 24-	
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THYLAMINE, T HYLAMINE, T 2200000 2200000 23000000000000000000	BENZO(A)A944444464646464646464646464646464646464
	BENZGARDIN

Time--> 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 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 22.00 23 10 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.0

Data Path : C:\OLDDATA\DECO8\1201 Data File : 12010803.D Acq On : 1 Dec 2008 11:41 an Operator : J. Aquilina Sample : bna std 1 ppb s08-2 Misc : ALS Vial : 4 Sample Multiplier Quant Time: Jan 14 14:24:56 2009 Quant Title : QLast Update : Thu Nov 13 09:14:2 Response via : Initial Calibratic	a 7: 1 22 2008 20			(
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1.4-DICHLOROBENZENE-d4 INT 19) NAPHTHALENE-d8 INT. STD. 35) ACENAPHTHENE-d10 INT. STD. 54) PHENANTHRENE-d10 INT. STD. 67) CHRYSENE-d12 INT. STD. 75) PERYLENE-d12 INT. STD.	$ \begin{array}{r} 6.70 \\ 8.17 \\ 10.27 \\ 12.04 \\ 16.27 \\ 19.60 \\ \end{array} $	$ \begin{array}{r} 150 \\ 136 \\ 162 \\ 188 \\ 240 \\ 264 \end{array} $	1155923 2760006 1392506 2059707 1865943 1152153	40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB	0.00 0.00 0.00 0.00 0.00 0.00 0.00
System Monitoring Compounds 4) 2-FLUOROPHENOL SURR. 5) PHENOL-d6 SURR. 20) NITROBENZENE-d5 SURR. 39) 2-FLUOROBIPHENYL SURR. 58) 2,4,6 TRIBROMOPHENOL SURR. 70) TERPHENYL-d14 SURR.	5.37 6.37 7.37 9.47 11.23 14.27	112 99 82 172 330 244	2669116 3319977 2594473 4014033 515209 3607908	107.57 PPB 120.42 PPB 105.02 PPB 95.23 PPB 88.72 PPB 102.33 PPB	-0.06 -0.06 0.00 0.00 -0.02 0.00
<pre>Target Compounds 2) N-NITROSODIMETHYLAMINE 3) PYRIDINE 6) PHENOL CCC 7) aniline 8) BIS(2-CHLOROETHYL)ETHER 9) 2-CHLOROPHENOL 10) 1.3 DICHLOROBENZENE 11) 1.4 DICHLOROBENZENE 11) 1.4 DICHLOROBENZENE 12) benzyl alcohol 13) 1.2-DICHLOROBENZENE 14) 2-METHYLPHENOL 15) BIS(2-CHLOROISOPROPYL)ETHE 16) 4-METHYLPHENOL 17) N-NITROSO-DI-N-PROPYLAMINE 18) HEXACHLOROETHANE 21) NITROBENZENE 22) ISOPHORONE 23) 2.4 DIMETHYLPHENOL 24) Benzoic Acid 25) 2-NITROPHENOL 26) BIS(2-CHLOROETHOXY)METHANE 27) 2.4 DICHLOROPHENOL CCC 28) 1.2,4 TRICHLOROBENZENE 29) NAPHTHALENE 30) 4-CHLOROANILINE 31) HEXACHLOROBUTADIENE CCC 32) 4-CHLORO-3-METHYLPHENOL CC 33) 2-METHYLNAPHTHALENE 34) 2-NITROANILINE 35) HEXACHLOROCYCLOPENTADIENE 36) HEXACHLOROCYCLOPENTADIENE 37) 2.4.6-TRICHLOROPHENOL CCC 38) 2.4.5 TRICHLOROPHENOL CCC 38) 2.4.5 TRICHLOROPHENOL 40) 2-CHLORONAPHTHALENE 41) DIMETHYLPHTHALATE 42) 2.6 DINITROTOLUENE 43) ACENAPHTHYLENE 44) 3-NITROANILINE 45) ACENAPHTHYLENE 45) ACENAPHTHYLENE 44) 3-NITROANILINE 45) ACENAPHTHYLENE 44) 3-NITROANILINE 45) ACENAPHTHYLENE 44) 3-NITROANILINE 45) ACENAPHTHYLENE 44) 3-NITROANILINE 45) ACENAPHTHYLENE 45) ACENAPHT</pre>	3.98 3.99 6.38 6.40 6.452 6.662 6.904 7.04 7.04 7.221 7.28 7.382 7.98 7.98 7.98 7.99 8.12 8.19 8.129 8.129 8.40 8.90 9.01	74 79 93 128 146 79 146 108 45 107 43 107 107 107 105 93 162 128 128 128 127 105 139 162 128 128 128 128 127 105 128 128 128 128 128 128 128 128 128 128 128 128 128 128 128 128 128 128 128 128 128 128 128 128 128 128 128 128 128 128 128 128 128 128 128 128 128 128 128 128 128 128 128 128 128 128 128 128 128 128 128 128 128 127 128 128 127 128 127 128 127 128 127 128 127 127 127 128 127 127 127 127 128 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127 127	21233m 37342m 47274 37730 42854 33234 33457 32516 26096 33853 34458 53664 36873 22102 14840 40212 84102 26954 8252 18723 47314 25260 27012 90347 21403 14358 33245m 67214 17913m	1.27 PPB 1.28 PPB 1.45 PPB 1.27 PPB 1.27 PPB 1.27 PPB 1.27 PPB 1.25 PPB 1.25 PPB 1.25 PPB 1.45 PPB 1.45 PPB 1.45 PPB 1.42 PPB 1.27 PPB 1.42 PPB 1.28 PPB 1.28 PPB 1.29 PPB 1.29 PPB 1.29 PPB 1.20 PPB 1.20 PPB 1.21 PPB 1.22 PPB 1.25 PPB 1.25 PPB 1.25 PPB 1.27 PPB 1.27 PPB 1.27 PPB 1.28 PPB 1.29 PPB 1.27 PPB 1.28 PPB 1.27 PPB 1.27 PPB 1.27 PPB 1.28 PPB 1.27 PPB 1.29 PPB 1.29 PPB 1.29 PPB 1.20 PPB 1.35 PPB 1.35 PPB 1.23 PPB 1.23 PPB 1.24 PPB 1.31 PPB 1.30 PPB	Qvalue # 1 # 6 99 94 # 82 95 # 64 # 91 90 91 96 90 98 96 90 98 96 90 98 96 99 98 96 99 98 95 87 83 98 95 4 83 98 95 98 95 98 96 99 97 98 96 99 98 96 99 97 98 98 96 99 98 98 96 99 98 98 96 99 98 96 99 98 96 99 98 96 99 98 96 99 98 96 99 98 96 99 98 96 99 98 96 99 98 96 99 98 98 96 99 98 98 98 98 96 99 98 98 99 98 98 99 98 98 98
 46) 2,4-DINITROPHENOL SPCC 47) 4-NITROPHENOL SPCC 48) DIBENZOFURAN 49) 2,4 DINITROTOLUENE 50) DIETHYLPHTHLATE 51) 4-CHLOROPHENYLPHENYL ETHER 	0.00 10.64 10.50 10.57 10.83 10.91	$184 \\ 65 \\ 168 \\ 165 \\ 149 \\ 204$	0 0 93315 17467	N.D. N.D. 1.38 PPB 0.84 PPB 1.36 PPB 1.30 PPB	78 83 99 88

Data Path : C:\OLDDATA\DEC08\120; Data File : 12010803.D Acq On : 1 Dec 2008 11:41 ar Operator : J. Aquilina Sample : bna std 1 ppb s08-2 Misc : ALS Vial : 4 Sample Multiplier	n				
Quant Time: Jan 14 14:24:56 2009 Quant Title : QLast Update : Thu Nov 13 09:14:2 Response via : Initial Calibratic	22 2008 5n				
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
 52) FLUORENE 53) 4-NITROANILINE 55) 4.6-DINITRO-2-METHYLPHENOL 56) N-NITROSODIPHENYLAMINE 57) 1.2 DIPHENYLHYDRAZINE 59) 4-BROMOPHENYLPHENYL ETHER 60) HEXACHLOROBENZENE 61) PENTACHLOROPHENOL CCC 62) PHENANTHRENE 63) ANTHRACENE 64) CARBAZOLE 65) DI-N-BUTYLPHTHALATE 66) FLUORANTHENE CCC 68) BENZIDINE 69) PYRENE 71) BUTYLBENZYLPHTHALATE 72) BIS(2-ETHYLHEXYL)PHTHALATE 73) BENZO(A)ANTHRACENE 	10.91 11.13 11.06 11.09 11.48 11.67 11.92 12.06 12.12 12.34 12.79 13.64 0.00 13.98 15.18	138 198 168 77 248 284 266 178 167 149 202 184 202 149	70228 6212m 3172 32408 82976 15368 15890 2357 81382 92142 84951 151899 81261 0 82191 58788	1.30 FPB 0.62 PPB 0.35 PPB 1.19 PPB 1.26 PPB 1.20 PPB 1.20 PPB 1.18 PPB 0.31 PPB 1.25 PPB 1.25 PPB 1.29 PPB 1.29 PPB 1.29 PPB 1.17 PPB N.D. 1.34 PPB 1.21 PPB	# 1 # 98 88 94 # 100 93 97 100 98 98 98 99 99
72) BIS(2-ETHYLHEXYL)PHTHALATE	16.47	143 149	88255	1.35 PPB	8 P
 72) BIS(2-ETHYLHEXYL)PHTHALATE 73) BENZO(A)ANTHRACENE 74) CHRYSENE 76) 3,3'-DICHLOROBENZIDINE 77) DI-N-OCTYL PHTHALATE CCC 78) BENZO(B)FLOURANTHENE 79) BENZO(K)FLUORANTHENE 80) BENZO(A)PYRENE CCC 81) DIBENZO(A,H)ANTHRACENE 82) INDENO(1,2,3-CD)PYRENE 83) BENZO(G,H,I)PERYLENE 	16.23	228	63799	1.12 PPB	97
74) CHRYSENE	16.32	228	68314	1.27 PPB	99
76) 5,5 -DICHLOROBENZIDINE 77) DI-N-OCTYL PHTHALATE CCC	17 02	252 130	137540		07
78) BENZO(B) FLOURANTHENE	18.72	252	41678	0 93 PPB	30 94
79) BENZO(K) FLUORANTHENE	18.77	252	64095m	1.56 PPB	2.2
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	
02 INDENU(1,2,3-CD)PYRENE 83) BEN7O(C H I)DEDVIENE	22.23	276	31851m	0.89 PPB	
() DHAD(O, II, I)FERTLEINE	<i>44.13</i>	470	36794m	U.96 PPB	ar balla balar balar baya nyan nyan anan anan

Data Path : C:\OLDDATA\D Data File : 12010803.D Acq On : 1 Dec 2008 Operator : J. Aquilina Sample : bna std 1 pp Misc : ALS Vial : 4 Sample M	11:41 am
Quant Time: Jan 14 14:24 Quant Title : QLast Update : Thu Nov 1 Pespense viz : Initial C	3 09:14:22 2008

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Abundance

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Data Path : C:\OLDDATA\DEC08\1201 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	a					
Quant Time: Jan 14 14:25:00 2009 Quant Title : QLast Update : Thu Nov 13 09:14:2 Response via : Initial Calibratic	22 2008 2008					
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)	
 1,4-DICHLOROBENZENE-d4 INT NAPHTHALENE-d8 INT. STD. ACENAPHTHENE-d10 INT. STD. PHENANTHRENE-d10 INT. STD. CHRYSENE-d12 INT. STD. PERYLENE-d12 INT. STD. 	$ \begin{array}{r} 6.70\\ 8.17\\ 10.27\\ 12.03\\ 16.26\\ 19.60 \end{array} $	150 136 162 188 240 264	$\begin{array}{c} 1049891\\ 2476752\\ 1229708\\ 1676903\\ 1602918\\ 1024638\\ \end{array}$	40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB	0,00 0.00 0.00 0.00 0.00 0.00 0.00	
System Monitoring Compounds 4) 2-FLUOROPHENOL SURR. 5) PHENOL-d6 SURR. 20) NITROBENZENE-d5 SURR. 39) 2-FLUOROBIPHENYL SURR. 58) 2,4,6 TRIBROMOPHENOL SURR. 70) TERPHENYL-d14 SURR.	5.36 6.37 7.37 9.46 11.24 14.26	112 99 82 172 330 244	2431703 3001788 2194621 3605878 465909 3169971	107.90 PPB 119.87 PPB 98.99 PPB 96.87 PPB 98.54 PPB 104.67 PPB	-0.07 -0.06 0.00 0.00 0.00 0.00	
<pre>Target Compounds 2) N-NITROSODIMETHYLAMINE 3) PYRIDINE 6) PHENOL CCC 7) aniline 8) BIS(2-CHLOROFTHYL)ETHER 9) 2-CHLOROPHENOL 10) 1,3 DICHLOROBENZENE 11) 1,4 DICHLOROBENZENE 11) 1,4 DICHLOROBENZENE CCC 12) benzyl alcohol 13) 1,2-DICHLOROBENZENE 14) 2-METHYLPHENOL 15) BIS(2-CHLOROISOPROPYL)ETHE 16) 4-METHYLPHENOL 17) N-NITROSO-DI-N-PROPYLAMINE 18) HEXACHLOROETHANE 21) NITROBENZENE 22) ISOPHORONE 23) 2,4 DIMETHYLPHENOL 24) Benzoic Acid 25) 2-NITROPHENOL 26) BIS(2-CHLOROETHOXY)METHANE 27) 2,4 DICHLOROPHENOL CCC 28) 1,2,4 TRICHLOROBENZENE 29) NAPHTHALENE 30) 4-CHLOROANILINE 31) HEXACHLOROBUTADIENE CCC 32) 4-CHLORO-3-METHYLPHENOL CC 33) 2-METHYLNAPHTHALENE 34) 2-NITROANILINE 36) HEXACHLOROYCLOPENTADIENE 37) 2,4,6-TRICHLOROPHENOL CCC 38) 2,4,5 TRICHLOROPHENOL 40) 2-CHLOROANPHTHALENE 41) DIMETHYLPHTHALATE 42) 2,6 DINITROTOLUENE 43) ACENAPHTHYLENE 44) 3-NITROANILINE 45) ACENAPHTHYLENE 44) 3-NITROANILINE 45) ACENAPHTHYLENE 44) 3-NITROANILINE 45) ACENAPHTHYLENE 45) ACENAPHTHYLENE 46) DIBENZOFURAN 49) 2,4 DINITROTOLUENE 50) DIETHYLPHTHALATE 51) 4-CHLOROPHENOL SPCC 47) 4-NITROPHENOL SPCC 48) DIBENZOFURAN 49) 2,4 DINITROTOLUENE 50) DIETHYLPHTHALATE 51) 4-CHLOROPHENYLPHENYL ETHER 51) 4-CHLOROPHENYLPH</pre>	3.97 3.97 6.39 6.39 6.52 6.66 6.94 7.04 7.04 7.21 7.28 7.385 7.96 7.90 8.07 8.13 8.20	74 79 93 128 146 146 79 146 108 45 107 43 117 77 82 107 105 139 93 162 180 127	52353m 90491 102198 72862 119272 74149 85099 87234 57424 84329 74908 130899 90219 51995 38106 86548 212583 56935 23675 43112 118245 59578 68827 217269	3.45 PPB 3.42 PPB 3.45 PPB 3.93 PPB 3.35 PPB 3.35 PPB 3.368 PPB 3.44 PPB 3.44 PPB 3.44 PPB 3.46 PPB 3.46 PPB 3.42 PPB 3.58 PPB 3.58 PPB 3.58 PPB 3.58 PPB 3.58 PPB 3.58 PPB 3.58 PPB 3.58 PPB 3.56 PPB 3.56 PPB 3.50 PPB 3.50 PPB 3.50 PPB 3.25 PPB 3.26 PPB 3.26 PPB	Qvalue 87 # 1 100 91 100 100 97 97 # 64 # 93 98 93 99 97 98 97 86 90 98 95 99 97	

Data Path : C:\OLDDATA\DEC08\1201 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					
Quant Time: Jan 14 14:25:00 2009 Quant Title : QLast Update : Thu Nov 13 09:14:2 Response via : Initial Calibratio	2 2008 n				
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
 52) FLUORENE 53) 4-NITROANILINE 55) 4,6-DINITRO-2-METHYLPHENOL 56) N-NITROSODIPHENYLAMINE 57) 1.2 DIPHENYLHYDRAZINE 59) 4-BROMOPHENYLPHENYL ETHER 60) HEXACHLOROBENZENE 61) PENTACHLOROPHENOL CCC 62) PHENANTHRENE 63) ANTHRACENE 64) CARBAZOLE 65) DI-N-BUTYLPHTHALATE 66) FLUORANTHENE CCC 68) BENZIDINE 69) PYRENE 71) BUTYLBENZYLPHTHALATE 72) BIS(2-ETHYLHEXYL)PHTHALATE 73) BENZO(A)ANTHRACENE 74) CHRYSENE 76) 3,3'-DICHLOROBENZIDINE 77) DI-N-OCTYL PHTHALATE CCC 78) BENZO(B)FLOURANTHENE 79) BENZO(K)FLUORANTHENE 80) BENZO(A, PYRENE CCC 81) DIBENZO(A, H)ANTHRACENE 82) INDENO(1, 2, 3-CD)PYRENE 	10.90 11.08 11.07 11.09 11.49 11.68 11.92 12.06 12.11 12.32 12.79 13.63 0.00 13.97 15.17 16.47 16.22 16.32 0.00 17.92 18.71 18.77	$\begin{array}{c} 166\\ 138\\ 198\\ 168\\ 77\\ 248\\ 284\\ 266\\ 178\\ 167\\ 149\\ 202\\ 184\\ 202\\ 149\\ 228\\ 228\\ 252\\ 149\\ 252\\ 252\\ 252\\ \end{array}$	160757 15395 11047 80411 215922 39031 37818 7122 198386 215251 211921 376763 200132 0 190640 150674 213549 144972 155562 0 350862 101207 141624m	3.52 PPB 1.74 PPB 1.52 PPB 3.63 PPB 4.02 PPB 3.74 PPB 3.46 PPB 1.15 PPB 3.56 PPB 3.55 PPB 3.53 PPB 3.53 PPB 3.53 PPB 3.61 PPB 3.74 PPB 3.61 PPB 3.79 PPB 3.79 PPB 3.36 PPB 3.36 PPB 3.36 PPB 3.36 PPB 3.37 PPB 3.37 PPB 3.38 PPB 3.38 PPB	99 # 52 # 1 # 93 88 96 # 97 86 98 99 98 100 100 100 100 100 99 98 99 99 99 99 99
 80) BENZO(A)PYRENE CCC 81) DIBENZO(A,H)ANTHRACENE 82) INDENO(1,2,3-CD)PYRENE 83) BENZO(G,H,I)PERYLENE 	19.47 22.18 22.15 22.67	252 278 276 276	108619m 73663m 79267m 86684m	3.20 PPB 2.57 PPB 2.48 PPB 2.85 PPB	

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
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4000000	PHENOL-d6 SURR.S	NAPHTHALENE-d8 INT. STD.,I				
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Data Path : C:\OLDDATA\DEC08\120 Data File : 12010805.D Acq On : 1 Dec 2008 12:54 pr Operator : J. Aquilina Sample : bna std 10 ppb s08-2 Misc : ALS Vial : 6 Sample Multiplier	m				
Quant Time: Jan 14 14:25:04 2009 Quant Title : QLast Update : Thu Nov 13 09:14:3 Response via : Initial Calibratic	22 2008 Sn				
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1.4-DICHLOROBENZENE-d4 INT 19) NAPHTHALENE-d8 INT. STD. 35) ACENAPHTHENE-d10 INT. STD. 54) PHENANTHRENE-d10 INT. STD. 67) CHRYSENE-d12 INT. STD. 75) PERYLENE-d12 INT. STD.	6.70 8.17 10.27 12.03 16.27 19.60	$ \begin{array}{r} 150 \\ 136 \\ 162 \\ 188 \\ 240 \\ 264 \end{array} $	1069514 2515722 1246669 1735565 1683980 1053707	40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB	0.00 0.00 0.00 0.00 0.00 0.00 0.00
System Monitoring Compounds 4) 2-FLUOROPHENOL SURR. 5) PHENOL-d6 SURR. 20) NITROBENZENE-d5 SURR. 39) 2-FLUOROBIPHENYL SURR. 58) 2,4,6 TRIBROMOPHENOL SURR. 70) TERPHENYL-d14 SURR.	5.37 6.38 7.37 9.47 11.24 14.26	112 99 82 172 330 244	2454005 2909367 2218252 3540968 482592 3300692	106.90 PPB 114.05 PPB 98.51 PPB 93.83 PPB 98.62 PPB 103.74 PPB	$ \begin{array}{c} -0.07 \\ -0.05 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\$
<pre>Target Compounds 2) N-NITROSODIMETHYLAMINE 3) PYRIDINE 6) PHENOL CCC 7) aniline 8) BIS(2-CHLOROETHYL)ETHER 9) 2-CHLOROPHENOL 10) 1.3 DICHLOROBENZENE 11) 1.4 DICHLOROBENZENE 11) 1.4 DICHLOROBENZENE 12) benzyl alcohol 13) 1.2-DICHLOROBENZENE 14) 2-METHYLPHENOL 15) BIS(2-CHLOROISOPROPYL)ETHE 16) 4-METHYLPHENOL 17) N-NITROSO-DI-N-PROPYLAMINE 18) HEXACHLOROETHANE 21) NITROBENZENE 22) ISOPHORONE 23) 2.4 DIMETHYLPHENOL 24) Benzoic Acid 25) 2-NITROPHENOL 26) BIS(2-CHLOROETHOXY)METHANE 27) 2.4 DICHLOROPHENOL CCC 28) 1.2.4 TRICHLOROBENZENE 29) NAPHTHALENE 30 4-CHLOROANILINE 31 HEXACHLOROBUTADIENE CCC 33 2-METHYLNAPHTHALENE 34) 2-NITROANILINE 35) HEXACHLOROCYCLOPENTADIENE 34) 2-NITROANILINE 35) HEXACHLOROPHENOL CCC 33 2.4.5 TRICHLOROPHENOL CCC 34) 2.4.5 TRICHLOROPHENOL 35) 2.4.5 TRICHLOROPHENOL 36) HEXACHLOROPHENOL 37) 2.4.6-TRICHLOROPHENOL 30 2-CHLORONAPHTHALENE 31 JIMETHYLPHTHALATE 42) 2.6 DINITROTOLUENE 33 ACENAPHTHYLENE 34 3-NITROANILINE 34 ACENAPHTHYLENE 34 ACHLOROPHENOL SPCC 35 ACENAPHTHYLENE 34 ACENAPHTHYLENE 35 ACENAPHTHENE CCC 36 DIBENZOFURAN 39 2.4 DINITROTOLUENE 30 DIBENZOFURAN 39 2.4 DINITROTOLUENE 31 A-CHLOROPHENOL SPCC 33 DIBENZOFURAN 34 ACHLOROPHENOL SPCC 34 DIBENZOFURAN 34 ACENAPHTHYLENE 35 ACENAPHTHYLENE 34 ACHLOROPHENOL SPCC 35 ACENAPHTYLENE 35 ACENAPHTYLENE 35 ACENAPHTYLENE</pre>	3.95 3.95 6.39 6.452 6.671 6.994 7.05 7.202 7.227 7.227 7.227 7.95 7.95 8.129 9.385 9.999 9.288 9.999 9.288 9.999 9.288 9.999 9.288 9.999 9.288 9.999 9.288 9.999 10.099 10.310 10.405 10.405 10.405 10.559 10.310 10.559 10.594 10.594 10.559 10.594 10.594 10.559 10.594 10.594 10.594 10.594 10.594 10.594 10.594 10.594 10.594 10.954 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916 10.916	$\begin{array}{c} 74\\ 79\\ 93\\ 128\\ 146\\ 107\\ 107\\ 107\\ 107\\ 107\\ 107\\ 107\\ 107$	176763 305853 361553 252607 349283 280513 270997 277461 22849 287162 276306 425858 30386 127116 286201 680981 194606 144546 173570 391384 228371 234108 732339 226094 116046 263550 526216 183216 39164 132607 108592 499506 645269 155836 796575 148720 481176 37918 71657m 703021 202479 710796 219849	11.45 PPB 11.35 PPB 11.97 PPB 9.19 PPB 11.29 PPB 11.61 PPB 10.47 PPB 12.76 PPB 12.76 PPB 12.73 PPB 12.74 PPB 12.74 PPB 12.74 PPB 12.74 PPB 11.38 PPB 10.96 PPB 11.38 PPB 11.46 PPB 11.38 PPB 11.38 PPB 11.38 PPB 11.42 PPB 11.42 PPB 11.67 PPB 11.58 PPB 11.68 PPB 11.68 PPB 11.68 PPB 11.69 PPB 11.59 PPB	Qvalue 100 93 # 86 93 99 97 98 98 97 # 62 # 94 98 96 98 96 98 96 99 99 99 99 99 99 99 99 99

Data Path : C:\OLDDATA\DEC08\1201 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					
Quant Time: Jan 14 14:25:04 2009 Quant Title : QLast Update : Thu Nov 13 09:14:2 Response via : Initial Calibratic	2 2008 n				
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
Response via : Initial Calibratic Internal Standards 52) FLUORENE 53) 4-NITROANILINE 55) 4.6-DINITRO-2-METHYLPHENOL 56) N-NITROSODIPHENYLAMINE 57) 1.2 DIPHENYLHYDRAZINE 59) 4-BROMOPHENYLPHENYL ETHER 60) HEXACHLOROBENZENE 61) PENTACHLOROPHENOL CCC 62) PHENANTHRENE 63) ANTHRACENE 64) CARBAZOLE 65) DI-N-BUTYLPHTHALATE 66) FLUORANTHENE CCC 68) BENZIDINE 69) PYRENE 71) BUTYLBENZYLPHTHALATE 72) BIS(2-ETHYLHEXYL)PHTHALATE 73) BENZO(A)ANTHRACENE 74) CHRYSENE 76) 3.3'-DICHLOROBENZIDINE 77) DI-N-OCTYL PHTHALATE CCC 78) BENZO(B)FLOURANTHENE 79) BENZO(K)FLUORANTHENE 80) BENZO(A)PYRENE CCC 81) DIBENZO(A, H)ANTHRACENE 82) INDENO(1.2.3-CD)PYRENE 83) BENZO(G,H,I)PERYLENE	$\begin{array}{c} 10.91\\ 11.01\\ 11.05\\ 11.05\\ 11.09\\ 11.48\\ 11.67\\ 11.90\\ 12.07\\ 12.11\\ 12.32\\ 12.80\\ 13.63\\ 0.00\\ 13.97\\ 15.17\\ 16.47\\ 16.22\\ 16.32\\ 0.00\\ 17.92\\ 18.70\\ 18.77\\ 19.45\\ 22.11\end{array}$	166 138 198 168 77 248 284 266 178 167 149 202 184 202 149 228 228 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 252 2	$\begin{array}{c} 546492\\ 79732\\ 73300\\ 270611\\ 715181\\ 125423\\ 131041\\ 53426\\ 662026\\ 726962\\ 721486\\ 1241112\\ 695054\\ 0\\ 681354\\ 532161\\ 738881\\ 528682\\ 535811\\ 0\\ 1208515\\ 444202\\ 456605\\ 383137\\ 2005727\end{array}$	11.81 PPB 8.87 PPB 9.73 PPB 11.81 PPB 12.88 PPB 11.63 PPB 11.63 PPB 11.58 PPB 8.36 PPB 11.46 PPB 11.73 PPB 11.02 PPB 12.52 PPB 12.52 PPB 12.52 PPB 12.28 PPB 12.28 PPB 12.28 PPB 12.14 PPB 12.249 PPB 10.32 PPB 11.02 PPB 11.02 PPB 11.02 PPB 10.32 PPB 10.32 PPB 10.88 PPB 12.12 PPB 10.96 PPB	98 # 45 # 22 # 97 91 95 # 100 95 99 100 97 99 99 99 99 99 99 99 99 99 99 99 99
82) INDENO(1,2,3-CD)PYRENE 83) BENZO(G,H,I)PERYLENE	22.06 22.61	276 276	316616m 303163m	9.63 PPB 9.69 PPB	

Data File Acq On Operator Sample Misc ALS Vial	<pre>C:\OLDDATA\DEC08\120108\ : 12010805.D : 1 Dec 2008 12:54 pm : J. Aquilina : bna std 10 ppb s08-2 : 6 Sample Multiplier: 1</pre>
Quant Tit QLast Upd	9: Jan 14 14:25:04 2009 le : ate : Thu Nov 13 09:14:22 2008 via : Initial Calibration
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Data Path : C:\OLDDATA\DEC08\1201 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	n				
Quant Time: Jan 14 14:25:08 2009 Quant Title : QLast Update : Thu Nov 13 09:14:2 Response via : Initial Calibratic	2 2008 2008				
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1.4-DICHLOROBENZENE-d4 INT 19) NAPHTHALENE-d8 INT. STD. 35) ACENAPHTHENE-d10 INT. STD. 54) PHENANTHRENE-d10 INT. STD. 67) CHRYSENE-d12 INT. STD. 75) PERYLENE-d12 INT. STD.	6.70 8.17 10.27 12.04 16.27 19.61	150 136 162 188 240 264	1114734 2497748 1248632 1778676 1729811 1112378	40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB	0,00 0,00 0,00 0,00 0,00 0,00 0,01
System Monitoring Compounds 4) 2-FLUOROPHENOL SURR. 5) PHENOL-d6 SURR. 20) NITROBENZENE-d5 SURR. 39) 2-FLUOROBIPHENYL SURR. 58) 2.4.6 TRIBROMOPHENOL SURR. 70) TERPHENYL-d14 SURR. Target Compounds	5.37 6.38 7.38 9.47 11.24 14.27	112 99 82 172 330 244	2521508 2938130 2223791 3586289 500705 3353313	105.38 PPB 110.50 PPB 99.47 PPB 94.89 PPB 99.84 PPB 102.60 PPB	-0.06 -0.05 0.00 0.00 0.00 0.00 0.00
<pre>Target Compounds 2) N-NITROSODIMETHYLAMINE 3) FYRIDINE 6) PHENOL CCC 7) aniline 8) BIS(2-CHLOROETHYL)ETHER 9) 2-CHLOROPHENOL 10) 1.3 DICHLOROBENZENE 11) 1.4 DICHLOROBENZENE 11) 1.4 DICHLOROBENZENE CCC 12) benzyl alcohol 13) 1.2-DICHLOROBENZENE 14) 2-METHYLPHENOL 15) BIS(2-CHLOROISOPROPYL)ETHE 16) 4-METHYLPHENOL 17) N-NITROSO-DI-N-PROPYLAMINE 18) HEXACHLOROETHANE 21) NITROBENZENE 22) ISOPHORONE 23) 2.4 DIMETHYLPHENOL 24) Benzoic Acid 25) 2-NITROPHENOL 26) BIS(2-CHLOROETHOXY)METHANE 27) 2.4 DICHLOROPHENOL CCC 28) 1.2.4 TRICHLOROBENZENE 29) NAPHTHALENE 30) 4-CHLOROANILINE 31) HEXACHLOROBUTADIENE CCC 32) 4-CHLOROANILINE 31) HEXACHLOROCYCLOPENTADIENE 34) 2-NITROANILINE 36) HEXACHLOROCYCLOPENTADIENE 37) 2.4,6-TRICHLOROPHENOL CCC 38) 2.4,5 TRICHLOROPHENOL 40) 2-CHLOROANHTHALENE 41) DIMETHYLPHTHALATE 42) 2.6 DINITROTOLUENE 43) ACENAPHTHENE CCC 46) 2.4-DINITROPHENOL SPCC 47) 4-NITROPHENOL SPCC 48) DIETHYLPHTHALATE 50) DIETHYLPHTHALATE 51) 4-CHLOROPHENYLPHENYL ETHER </pre>	3.95 3.94 6.399 6.399 6.452 6.566 6.944 7.050 7.202 7.227 7.395 7.905 8.198 8.8016 9.28 8.816 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28 9.28	74 79 93 128 146 146 79 146 45 107 43 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107 107	334331 608103 690245 372992 702134 522455 510226 508616 442320 514996 482362 726849 616999 311614 220454 497248 1283759 381646 334047 325579 715277 453272 421042 1401749 475233 211140 533710 950429 357839 105509	20.77 PPB 21.64 PPB 21.93 PPB 13.01 PPB 20.75 PPB 20.75 PPB 20.23 PPB 24.20 PPB 24.20 PPB 24.20 PPB 24.21 PPB 21.37 PPB 21.30 PPB 19.18 PPB 19.18 PPB 19.10 PPB 21.60 PPB 22.02 PPB 20.84 PPB 19.72 PPB 20.84 PPB 19.56 PPB 23.86 PPB 21.65 PPB 21.65 PPB	Qvalue 97 93 91 87 96 98 97 97 96 97 96 97 96 97 94 97 94 100 92 89 91 97 95 99 91 97 95 99 91 97 95 99 91 00 92 97 95

Data Path : C:\OLDDATA\DEC08\1201 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					
Quant Time: Jan 14 14:25:08 2009 Quant Title : QLast Update : Thu Nov 13 09:14:2 Response via : Initial Calibratio	2 2008 n				
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards 52) FLUORENE 53) 4-NITROANILINE 55) 4,6-DINITRO-2-METHYLPHENOL 56) N-NITROSODIPHENYLAMINE 57) 1,2 DIPHENYLHYDRAZINE 59) 4-BROMOPHENYLPHENYL ETHER 60) HEXACHLOROBENZENE 61) PENTACHLOROPHENOL CCC 62) PHENANTHRENE 63) ANTHRACENE 64) CARBAZOLE 65) DI-N-BUTYLPHTHALATE 66) FLUORANTHENE CCC 68) BENZIDINE 69) PYRENE 71) BUTYLBENZYLPHTHALATE 72) BIS(2-ETHYLHEXYL)PHTHALATE 73) BENZO(A)ANTHRACENE 74) CHRYSENE 76) 3,3'-DICHLOROBENZIDINE 77) DI-N-OCTYL PHTHALATE CCC 78) BENZO(B)FLOURANTHENE 79) BENZO(A)PYRENE CCC 80) BENZO(A,H)ANTHRACENE 81) DIBENZO(A,H)ANTHRACENE 82) INDENO(1,2,3-CD)PYRENE 83) BENZO(G,H,I)PERYLENE	$\begin{array}{c} 10,92\\ 11,01\\ 11,06\\ 11,06\\ 11,09\\ 11,49\\ 11,67\\ 11,90\\ 12,07\\ 12,12\\ 12,32\\ 12,32\\ 12,32\\ 12,364\\ 0,00\\ 13,98\\ 15,19\\ 16,48\\ 16,23\\ 16,33\\ 16,33\\ 0,00\\ 0\end{array}$	166 138 198 168 77 248 284 266 178 167 149 202 184 202 149 228 202 149 228 228 228 202 149 228 228 202 149 228 202 149 202 149 202 149 202 149 202 149 202 149 202 149 202 149 202 149 202 149 202 149 202 149 202 149 202 149 202 149 202 149 202 149 202 149 202 149 202 149 202 149 202 149 202 149 202 149 202 149 202 149 202 149 202 149 202 149 202 202 149 202 202 202 149 202 202 202 149 202 202 202 149 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 2	$\begin{array}{c} 963044\\ 148501\\ 165992\\ 473311\\ 1269789\\ 229465\\ 241423\\ 126675\\ 1247183\\ 1328134\\ 1381261m\\ 2222273\\ 1270651\\ 0\\ 1256512\\ 987872\\ 1341352\\ 1073060\\ 1026202\\ 0\\ 0\\ 24205\end{array}$	20.78 PPB 16.49 PPB 21.50 PPB 20.15 PPB 20.75 PPB 20.75 PPB 20.82 PPB 19.34 PPB 20.90 PPB 20.58 PPB 21.88 PPB 21.88 PPB 21.41 PPB N.D. 22.04 PPB 21.94 PPB 20.39 PPB 20.55 PPB 0.55 PPB N.D.	97 # 77 # 98 94 94 95 99 99 99 99 99 98 99 98 99 98 99 98 99 98
77) DI-N-OCTYL PHTHALATE CCC 78) BENZO(B)FLOURANTHENE	17.93 18.72	$\frac{149}{252}$	2343859 906414	25.22 PPB 21.03 PPB	99 92
 79) BENZO(K) FLUORANTHENE 80) BENZO(A) PYRENE CCC 81) DIBENZO(A, H) ANTHRACENE 82) INDENO(1,2,3-CD) PYRENE 83) BENZO(G, H, I) PERYLENE 	18.78 19.46 22.08 22.05 22.58	252 252 278 276 276	923645m 780122 606002m 717570m 633818m	23.23 PPB 21.14 PPB 19.48 PPB 20.67 PPB 19.20 PPB	92

Data Fi Acq On Operato Sample Misc ALS Via Quant T Quant T QLast U	: bna štd 20 ppb s08-2 ; al : 7 Sample Multiplier: 1 ; ime: Jan 14 14:25:08 2009	
Abundance	TIC: 12010806.D	
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7000000	2-FLUOROBIPHENYL SURR. S	
6500000	HELUOROBIN	
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5500000	HENOL-d6 SURRS BENZENE-d5 SURRS -d8 INT. STDJ -d8 INT. STDJ ACENAPHTHENE-d10 INT. STDJ ACENAPHTHENYL ETHER, T OL SURR.,S -d10 INT. STDJ TERPHENYL-d14 SURR.,S	
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3500000	2-FLUOROPHENOL SURR.S 2-FLUOROPHENOL SURR.S 2-FLUOROPHENOL GEGT 2-FLUOROPHENOL GEGT 2-FLUOROPHENOL F 2-FLUOROPHENOL T 2-FLUOROPHENOL T 2-FLUOROPHENOLOGIC T 2-	
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A La Calman A Laborator

Data Path : C:\OLDDATA\DEC08\120108\ Data File : 12010807.D Acq On : 1 Dec 2008 Operator : J. Aquilina 2:07 pm 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-d4INT6.71150128239940.00PPB0.0019)NAPHTHALENE-d8INT.STD.8.18136254636440.00PPB0.0035)ACENAPHTHENE-d10INT.STD.10.28162119395340.00PPB0.0054)PHENANTHRENE-d10INT.STD.12.05188171660440.00PPB0.0167)CHRYSENE-d12INT.STD.16.29240162403740.00PPB0.0275)PERYLENE-d12INT.STD.19.60264101432740.00PPB0.00 System Monitoring Compounds4) 2-FLUOROPHENOL SURR.5.381122804805101.89PPB-0.065) PHENOL-d6 SURR.6.3899304654099.60PPB-0.0520) NITROBENZENE-d5 SURR.7.37822386357104.70PPB0.0039) 2-FLUOROBIPHENYL SURR.9.481723617795100.10PPB0.0058) 2.4.6TRIBROMOPHENOL SURR.11.24330502027103.72PPB0.0070) TERPHENYL-d14SURR.14.262443317186108.10PPB0.00

 58)
 2.4.6
 TEREPHENVL-014 SURR.
 11.24
 330
 502027
 103.72
 PPB
 0.00

 Target Compounds
 14.26
 244
 3317186
 108.10
 PPB
 0.00

 2)
 N-MITROSCOLMETHYLAMINE
 3.95
 74
 756992
 40.89
 PPE
 94

 3)
 PYRIDINE
 3.94
 79
 1352060
 41.83
 PPE
 94

 6)
 PHENOL
 CCC
 6.40
 93
 756587
 22.76
 PPE
 99

 10
 1.3
 DICHLOROBENZENE
 6.52
 128
 107630
 37.16
 PPE
 97

 11
 1.4
 DICHLOROBENZENE
 6.52
 124
 107630
 37.61
 PPE
 97

 12)
 benzyl
 alcohol
 6.89
 79
 893034
 42.47
 PPE
 95

 13)
 1.2-DICHLOROBENZENE
 7.04
 108
 36.41
 PPE
 98

 14)
 2-METHYLPHENOL
 7.22
 107
 1182091
 35.59
 PPE
 97

 17)
 N-NITROSO-DI-N-PROPYLAMINE
 7.22
 1

Data Path : C:\OLDDATA\DEC08\120108\ Data File : 12010807.D Acq On : 1 Dec 2008 Operator : J. Aquilina 2:07 pm Sample : bna std 40 ppb s08-2 Misc ALS Vial : 8 Sample Multiplier: 1 Quant Time: Jan 14 14:25:12 2009 Quant Title : $\widetilde{ extsf{QLast}}$ Update : Thu Nov 13 09:14:22 2008 Response via : Initial Calibration Internal StandardsR.T. QIonResponseConc Units Dev(Min)52)FLUORENE10.92166162520336.67PPB9853)4-NITROANILINE11.0113838744745.01PPB8755)4.6-DINITRO-2-METHYLPHENOL11.0719830427840.84PPB#2256)N-NITROSODIPHENYLAMINE11.0716885849937.87PPB#9957)1.2DIPHENYLHYZAZINE11.1077222827840.57PPB9460)HEXACHLOROBENZENE11.4924840531537.98PPB9461)PENTACHLOROPHENOL CCC11.9126624676239.04PPB9662)PHENANTHRENE12.1217822233136.24PPB9963)ANTHRACENE12.321672477939m38.26PPB64)CARBAZOLE12.3216724773736.88PPB9765)DI-N-BUTYLPHTHALATE12.81149373827238.14PPB9966)FLUORANTHENE CCC13.64202214206640.02PPB9671)BUTYLBENZYLPHTHALATE15.20149178356642.19PPB9772)BIS (2-ETHYLHEXYL)PHTHALATE16.35228177271737.82PPB10074)CHRYSENE16.35228177271737.82PPB9971)BUTYLBENZYLPHTHALATE</t Internal Standards R.T. QIon Response Conc Units Dev(Min)

Data Pa Data Fi Acq On Operator Sample Misc ALS Vial	bna std 40 ppb s08-2	
Quant Ti QLast Ur	ime: Jan 14 14:25:12 2009	
Abundance	TIC: 12010807.D	
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5500000	L-d6 SURR.,S HER, T RE, T P.,J P.,J ME, T NE, T NE, T D.N-BUTYLPHTHALATE, T DI-N-BUTYLPHTHALATE, T ATE, T ATE, T ATE, T	
5000000	OL CCC.THHENOL-d6 SURR.,S EXMEMISTOCC.T RECORDENT/JETHER, T RECORDENT/JETHER, T RECORDENT/JETHER, T RECORDENT/JETHER, T RECORDENT/JETHER, T RECORDENT/JETHER, T ACENTRACE T RECORDENT/JETHER, T ACENTRACE T DI-N-BUTYLPHTHALA C.T TERPHENYL-414 SURR.,S LETHER, T C.T TERPHENYL-414 SURR.,S LETHER, T TERPHENYL-414 SURR.,S LETHER, T LETHER, T TERPHENYL-414 SURR.,S LETHER, T LETHER, T LETH	
4500000	MIENOL-CCC,TPHENOL-dG THUBSENDENDENCENCENCENCIA THROBENDENDENCENCENCES THROBENDENDENDIANE, CCC,T 2-METHYLNAPHTHALENE,T CCC,T 2-METHYLNAPHTHALENE,T CCC,T 2-METHYLNAPHTHALENE,T CCC,T 2-METHYLNAPHTHALENE,T CCC,T 2-METHYLNAPHTHALENE,T MARGENER,F 3TD,J MERGENER,F 3TD,J MERGEN	
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3000000	2-FILUOROPHENOL SURG BISIZ-SOPHEOROFIENDER, T BISIZ-SOPHEOROFIENDER, T BISIZ-SOPHEOROFIENDER, T HEXACHLOROFIENDER, T ACHLARCONTLUNCIDENE, T ACHLARCONTLUNC ACHLARCONTLINE ACHLARCONTLINE ACHLARCONTLINE ALT ALT ALT ALT ALT ALTACHLOROPHENOL ALTACHLOROPHENOL ALTACHLOROPHENOL ALTACHLOROPHENOL ALTACHLOROPHENOL ALTACHLOROPHENOL ALTACHLOROPHENOL ALTACHLOROPHENOL	
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Data Path : C:\OLDDATA\DEC08\120 Data File : 12010808.D Acq On : 1 Dec 2008 2:43 p Operator : J. Aquilina Sample : bna std 60 ppb s08-2 Misc : ALS Vial : 9 Sample Multiplie	m				
Quant Time: Jan 14 14:25:16 2009 Quant Title : QLast Update : Thu Nov 13 09:14: Response via : Initial Calibratic	22 2008				
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
 1,4-DICHLOROBENZENE-d4 INT NAPHTHALENE-d8 INT. STD. ACENAPHTHENE-d10 INT. STD. PHENANTHRENE-d10 INT. STD. CHRYSENE-d12 INT. STD. PERYLENE-d12 INT. STD. 	6.70 8.18 10.28 12.04 16.29 19.61	150 136 162 188 240 264	1260593 2408209 1129982 1718194 1601390 1019690	40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB	0.00 0.00 0.00 0.00 0.02 0.01
System Monitoring Compounds 4) 2-FLUOROPHENOL SURR. 5) PHENOL-d6 SURR. 20) NITROBENZENE-d5 SURR. 39) 2-FLUOROBIPHENYL SURR. 58) 2.4.6 TRIBROMOPHENOL SURR. 70) TERPHENYL-d14 SUBR	5.37 6.38 7.38 9.48 11.25	112 99 82 172 330	2627134 2769593 2345378 3376110 514391	97.09 PPB 92.11 PPB 108.81 PPB 98.70 PPB 106.18 PPB	-0.07 -0.05 0.01 0.00 0.00
<pre>Target Compounds 2) N-NITROSODIMETHYLAMINE 3) PYRIDINE 6) PHENOL CCC 7) aniline 8) BIS(2-CHLOROETHYL)ETHER 9) 2-CHLOROPHENOL 10) 1.3 DICHLOROBENZENE 11) 1.4 DICHLOROBENZENE 11) 1.4 DICHLOROBENZENE 11) 1.4 DICHLOROBENZENE 11) 1.4 DICHLOROBENZENE 12) benzyl alcohol 13) 1.2-DICHLOROBENZENE 14) 2-METHYLPHENOL 15) BIS(2-CHLOROISOPROPYL)ETHE 16) 4-METHYLPHENOL 17) N-NITROSO-DI-N-PROPYLAMINE 18) HEXACHLOROETHANE 21) NITROBENZENE 22) ISOPHORONE 23) 2.4 DIMETHYLPHENOL 24) Benzoic Acid 25) 2-NITROPHENOL 24) Benzoic Acid 25) 2-NITROPHENOL 26) BIS(2-CHLOROETHOXY)METHANE 27) 2.4 DICHLOROPHENOL CCC 28) 1.2.4 TRICHLOROBENZENE 29) NAPHTHALENE 30) 4-CHLOROANILINE 31) HEXACHLOROBUTADIENE CCC 32) 4-CHLOROA-3-METHYLPHENOL CC 33) 2-METHYLNAPHTHALENE 34) 2-NITROANILINE 35) HEXACHLOROCYCLOPENTADIENE 37) 2.4.6-TRICHLOROPHENOL CCC 38) 2.4.5 TRICHLOROPHENOL CCC 38) 2.4.5 TRICHLOROPHENOL 40) 2-CHLORONAPHTHALENE 41) DIMETHYLPHTHALATE 42) 2.6 DINITROTOLUENE 43 ACENAPHTHYLENE 44) 3-NITROANILINE 45) ACENAPHTHYLENE 41) DIMETHYLPHENOL SPCC 46) 2.4 DINITROTOLUENE 50 DIETHYLPHTHALATE 51) 4-CHLOROPHENOL SPCC 47) 4-DINITROPHENOL SPCC 48) DIBENZOFURAN 49) 2.4 DINITROTOLUENE 51) 4-CHLOROPHENOL SPCC 41) DIMETHYLPHTHALATE 51) 4-CHLOROPHENOL SPCC 42) ACENAPHTHYLENE 43 ACENAPHTHYLENE 44 JANITROANILINE 45 ACENAPHTHYLENE 45 ACENAPHTHENE 45 ACEN</pre>	3.95 3.94 6.40 6.39 6.44 6.53 6.72 6.93 7.06 7.22 7.24 7.28 7.40 7.67 7.82 8.07 7.76 7.91 8.21 8.21 8.21 8.21	74 79 93 128 146 146 108 45 107 43 117 77 82 107 105 139 93 162 180 128 127 225	994884 1815945 1834095 1001707 1882597 1445368 1481106 1345165 1240447 1389417 1243336 1660244 1529815 865941 630310 1410314 3446209 1064883 1125188 840409 1863383 1074766 1040211 3301418 1426666 552617	54.66 PPB 57.16 PPB 51.53 PPB 30.91 PPB 51.64 PPB 50.77 PPB 48.57 PPB 47.31 PPB 47.31 PPB 47.04 PPB 47.04 PPB 46.07 PPB 46.85 PPB 56.43 PPB 56.43 PPB 56.43 PPB 56.43 PPB 56.43 PPB 56.43 PPB 56.78 PPB 54.88 PPB 54.88 PPB 54.52 PPB 50.52 PPB 50.90 PPB 59.17 PPB	Qvalue 96 93 80 97 95 99 98 97 95 98 97 95 98 4 63 4 97 95 95 97 95 99 99 99 99 99 99 99 99 99 99 99 99

Data Path : C:\OLDDATA\DEC08\120 Data File : 12010808.D Acq On : 1 Dec 2008 2:43 p Operator : J. Aquilina Sample : bna std 60 ppb s08-2 Misc : ALS Vial : 9 Sample Multiplie Quant Time: Jan 14 14:25:16 2009 Quant Title : QLast Update : Thu Nov 13 09:14: Response via : Initial Calibrati	m r: 1 22 2008 on						
Internal Standards	R.T.	QIon	Response	Conc Units	Devi	(Min)	
Internal Standards 52) FLUORENE 53) 4-NITROANILINE 55) 4.6-DINITRO-2-METHYLPHENOL 56) N-NITROSODIPHENYLAMINE 57) 1.2 DIPHENYLHYDRAZINE 59) 4-BROMOPHENYLPHENYL ETHER 60) HEXACHLOROBENZENE 61) PENTACHLOROPHENOL CCC 62) PHENANTHRENE 63) ANTHRACENE 64) CARBAZOLE 65) DI-N-BUTYLPHTHALATE 66) FLUORANTHENE CCC 68) BENZIDINE 69) PYRENE 71) BUTYLBENZYLPHTHALATE 72) BIS(2-ETHYLHEXYL)PHTHALATE 73) BENZO(A)ANTHRACENE 74) CHRYSENE 76) 3.3'-DICHLOROBENZIDINE 77) DI-N-OCTYL PHTHALATE CCC 78) BENZO(B) FLOURANTHENE 79) BENZO(K)FLUORANTHENE 80) BENZO(A)PYRENE CCC 81) DIBENZO(A, H)ANTHRACENE 82) INDENO(1.2.3-CD)PYRENE 83) BENZO(G,H,I)PERYLENE	$\begin{array}{c} 10.93\\ 11.03\\ 11.08\\ 11.08\\ 11.11\\ 11.49\\ 11.69\\ 12.07\\ 12.13\\ 12.32\\ 12.81\\ 13.65\\ 0.00\\ 14.00\\ 15.21\\ 16.50\\ 16.25\\ 16.36\\ 15.88\\ 17.95\\ 18.76\\ 18.82\\ 19.48\\ 22.12\\ 22.06\end{array}$	166 138 198 168 284 266 178 167 149 202 184 202 149 228 252 252 252 252 278 276	2156566 611960 402920 1118696 2966274 580118 362162 2851785 2991384 3289923m 4850247 2863553 0 2939187 2344619 3121986 2625625 2437513 463 5627782 2388123 1997266m 1896716 1467074m 1753225m	51.41 PPB 75.11 PPB 54.03 PPB 49.30 PPB 53.96 PPB 50.60 PPB 51.78 PPB 57.25 PPB 49.88 PPB 49.88 PPB 48.74 PPB 50.75 PPB 49.43 PPB 49.24 PPB N.D. 55.69 PPB 55.48 PPB 55.48 PPB 53.90 PPB 52.74 PPB No Calib 66.05 PPB 60.44 PPB 54.79 PPB 56.07 PPB	#	97 98 22 99 95 100 99 96 99 97 96 99 97 96 100 99 97 99 99 99	

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ţ	5500000	tess.s aniine test test f.g.test f.g.test f.g.test	ИНТИРИ В ПЕНОХУМЕНИЛОВ С ЛАРНТНАLENE, Т UNADIENE CCC, T 4-CHLORO-3-METHYLPHENOL 266 ТНУLИАРНТНАLENE, Т LOBERTENOL CCCH 2-CHLORONAPHTHALENE, T LOBERTHYLPHTHALATE T DIMETHYLPHTHALATE T DIMETHYLPHTHALATE T DIMETHYLPHTHALATE T	IS DE HYLERANDARETATION DE ANTRUMANDARENA CARANA CARA CARANTER A C	t SURR.,S	BIS(2-ETHYLHEXYL)PHTHALATE, T	ic, t		
Ę	5000000		акоментали акомнаятеления состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати состати сост	DIETHYLEPARHE DIEHENYLHYDRAR LETHEN, T LETHEN, T ARMERANENEFNE, T ARMERANENEFNE, T	UORANTHENE CCC,T T TERPHENYL-d14 SURR.S BUTYLBENZYLPHTHALATE T	S(2-ETHYLH	DI-N-OCTYL PHTHALATE CCC,T		
4	500000	PHENGEN PHENGENZEN PHENGENZEN PHENGENZEN PHENGENZEN			FLUORANTHENE CCC,T PYRENE, T TERPHENVL BUTYLBENZYLPHTHA	ā	N-OCTYL PH		
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3	500000	OL SURR.,S	Z-NITROPHERINGSON BUTAN 4-CHCQREQX817617009407407 4-CH 2829575040263854446806.0866 8289575040263854446806.0866 8304081976.7 2.4 DINITROTOLUENE.	2,4,6 TRIBR HEXA IOHRENEL		Wagene, T	⊷ ن		
30	000000	2-FLUOROPHENOL SURR.S BIS/2/CHQ0000100000000000000000000000000000000	- CHLOPHE เชิงที่มีใ 4- CHLOPEOXULATION HEXACHL ORSCSCICLIORENEINE, T 2-NBTRIOPROMINIENE, T 2-NBTRIOPROMINIENE, T	NE. T 2.4.6 TRIBROMOPHENOL SU HEXACHBRONGPHENOL PENTACHLOROPHENGHEREL (10.111 STD.) CARBAZOLE, T CARBAZOLE, T	************************************	CHRY SERVER OF HARE FIRE, T	BENZO(BJELALUMA)FILUENEMENE, T ENEENZOAPPSPENE CCC.T	Е, Т	
26	500000 June 1	2-FL	erzoic Acid.T HEXA 2.4 DINITROPHENOL SPCC.T	PENTACH	and (Kin-eye, are seen as a see	CHRYSER	BENZO(BBER/20(A)FEHUENFA	INDENOOB ยิดวอง มันที่สิทธิเทติศัลCENE, T BENZO(G.H.J.)PERYLENE, T	
20	ODIMETHYI		Ę	4 MIROANLINE, T	A CALL AND A	A STATE AND A ST	BENZO(BJE	DENØJB EAZORKMJARNF IK	
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Acq On : 1 Dec 2008 3:19 pm Dperator : J. Aquilina Sample : bna std 80 ppb s08-2 Misc :					
Operator : J. Aquilina					
Sample : bna std 80 ppb s08-2					
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Internal Standards	R.T.	Qlon	Response	Conc Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.71	150	1284442	40 00 PPR	0 n n
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
1) 1.4-DICHLOROBENZENE-d4 INT 19) NAPHTHALENE-d8 INT. STD. 35) ACENAPHTHENE-d10 INT. STD. 54) PHENANTHRENE-d10 INT. STD. 67) CHRYSENE-d12 INT. STD. 75) PERYLENE-d12 INT. STD.	19.61	264	976415	40.00 PPB	0.02
				no no dest	÷
System Monitoring Compounds 4) 2-FLUOROPHENOL SURR. 5) PHENOL-d6 SURR. 20) NITROBENZENE-d5 SURR. 39) 2-FLUOROBIPHENYL SURR. 58) 2.4.6 TRIBROMOPHENOL SURR. 70) TERPHENYL-d14 SURR.	_				
4) 2-FLUOROPHENOL SURR,	5.37	112	2511487	91.09 PPB	-0.07
D) 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
SY) Z-FLOUKOBIPHENYL SURR,	У.48	172	3182330	100.73 PPB	0.00
70) 4.4.6 INIBRUMUPHENUL SURR.	11.26	330	502106	110.41 PPB	0.01
/v) IGAENDENIE-014 SUKK.	14.27	244	3140758	110.11 PPB	0,00
<pre>Target Compounds 2) N-NITROSODIMETHYLAMINE 3) PYRIDINE 6) PHENOL CCC 7) aniline 8) BIS(2-CHLOROETHYL)ETHER 9) 2-CHLOROPHENOL 10) 1,3 DICHLOROBENZENE 11) 1,4 DICHLOROBENZENE 11) 1,4 DICHLOROBENZENE CCC 12) benzyl alcohol 13) 1.2-DICHLOROBENZENE 14) 2-METHYLPHENOL 15) BIS(2-CHLOROISOPROPYL)ETHE 16) 4-METHYLPHENOL 17) N-NITROSO-DI-N-PROPYLAMINE 18) HEXACHLOROETHANE 21) NITROBENZENE 22) ISOPHOPONE</pre>					Ovelve
2) N-NITROSODIMETHYLAMINE	3 95	7 A	129/596	aaa 1000	∿varue ⊘varue
3) PYRIDINE	3 93	79	2402774	74 99 DDD	20
6) PHENOL CCC	6.40	94	2247481	61 97 PPR	70 70
7) aniline	6.39	93	1235874	37 12 PPR	() Q.C.
8) BIS(2-CHLOROETHYL)ETHER	6.45	93	2283004	61 46 PPR	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
20) 2-NIIKOPHENUL 26) RIC(2) CHLODORTHONIC MATTERNS	1.76	139	1070888	72.97 PPB	94
20) DIS(2-CHLORODINOXY JMEIMANE 27) 2 4 DICHLODODUNNOT CCC	7.91	23	4446359	70.79 PPB	96
28) 1 2 A TRICHTODORDENTENTE	0.05	104	1353708	/1.16 PPB	97
29) NADETHATENE	0.13	100 100	14035895	03.54 PPB	98
30) $4-CHIORGANTITNE$	0.41 0.00	140 197	4071737	DD.DI PPB	78
31) HEYACHI OROBUTADIENE CCC	0.43 0.41	147 205	1/4/2U7 270203	10.60 PPB	97
32) 4-CHIOROLALISME CCC	0.41 0.07	440 107	0/0073	70.03 FFB 70 50 mmm	TUU
33) 2-METHYI NADHTHAI ENE	0.07 0.01	1407	1020010	20,30 FFB	74
34) 2-NTTROANTI INF	9,01 9,77	130 130	4743403 1120005	97.70 FFB	54 7 Y
36) HEXACHLOROCYCLOPENITADIENIE	9.77	232 730	1102020 550000	77.65 DDD	۶/ ۵۵
37) 2.4.6-TRICHLOROPHENOL CCC	9 10	19£	739180	71 12 DDD	4 0.C
38) 2,4,5 TRICHLOROPHENOL	9.46	196	768882	72.38 PPR	ਜ 20 0 ਵ
40) 2-CHLORONAPHTHALENE	9.60	162	2543164	66 75 DDP	90 97
41) DIMETHYLPHTHALATE	10.02	163	3555823	74 34 PPR	20 Q77
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 PPR	95
45) ACENAPHTHENE CCC	10.33	153	2498648	71.52 PPB	99
	10 41	184	512291	88.23 PPB	95
46) 2,4-DINITROPHENOL SPCC			and the second of the	a se a se	ل د
46) 2,4-DINITROPHENOL SPCC 47) 4-NITROPHENOL SPCC	10.52	65	481952m	81.50 89	
46) 2.4-DINITROPHENOL SPCC 47) 4-NITROPHENOL SPCC 48) DIBENZOFURAN	10.52 10.52	65 168	481952m 3380501	81.50 PPB 66.88 PPR	98
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<pre>17) N-NITROSO-DI-N-PROPYLAMINE 18) HEXACHLOROETHANE 21) NITROBENZENE 22) ISOPHORONE 23) 2.4 DIMETHYLPHENOL 24) Benzoic Acid 25) 2-NITROPHENOL 26) BIS(2-CHLOROETHOXY)METHANE 27) 2.4 DICHLOROPHENOL CCC 28) 1.2.4 TRICHLOROBENZENE 29) NAPHTHALENE 30) 4-CHLOROANILINE 31) HEXACHLOROBUTADIENE CCC 32) 4-CHLORO-3-METHYLPHENOL CC 33) 2-METHYLNAPHTHALENE 34) 2-NITROANILINE 36) HEXACHLOROCYCLOPENTADIENE 37) 2.4.6-TRICHLOROPHENOL CCC 38) 2.4.5 TRICHLOROPHENOL CCC 38) 2.4.5 TRICHLOROPHENOL 40) 2-CHLORONAPHTHALENE 41) DIMETHYLPHTHALATE 42) 2.6 DINITROTOLUENE 43) ACENAPHTHYLENE 44) 3-NITROANILINE 45) ACENAPHTHENE CCC 46) 2.4-DINITROPHENOL SPCC 47) 4-NITROPHENOL SPCC 48) DIBENZOFURAN 49) 2.4 DINITROTOLUENE 50) DIETHYLPHTHLATE 51) 4-CHLOROPHENYLPHENYL ETHER </pre>	10.52 10.52 10.59 10.87	65 168 165 149	481952m 3380501 1177705 3464818	81.50 PPB 66.88 PPB 75.19 PPB 69.22 PPB	98 93 99

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 : $\widetilde{ extsf{Q}} extsf{Last}$ Update : Thu Nov 13 09:14:22 2008 Response via : Initial Calibration Internal Standards R.T. QIon Response Conc Units Dev(Min) 52)FLUORENE10.93166252026665.05PFB9753)4-NITROANILINE11.04138602113106.59PFB#7655)4.6-DINITRO-2-METHYLPHENOL11.0919849013270.01PFB#156)N-NITROSODIPHENYLAMINE11.09168133925262.88PFB#9857)1.2DIPHENYLHUDRAZINE11.1177333959564.71PFB#9659)4-BROMOPHENYLPHENYLETHER11.5024865376465.21PFB9560)HEXACHLOROBENZENE11.6928471201467.70PFB#9961)PENTACHLOROPHENOL CCC11.9226645202976.12PFB9763)ANTHRACENE12.14178357353462.03PFB9964)CAREAZOLE12.82149568111561.68PFB9965)DI-N-BUTYLPHTHALATE12.82149568111561.68PFB9968)BENZIDINE0.001840N.D.69)PYRENE14.00202361101972.58PFB9971)BUTYLBENZYLPHTHALATE15.2214923388474.66PFB9772)BIS (2-ETHYLHEXYL)PHTHALATE16.37228305161370.04PFB10074)CHRYSENE16.25228333891672.71PFB100
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 FLUORENE
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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 2 T 4 S 5 S 6 T 7 T 10 T 11 T 12 T 14 T 15 T 16 T 17 T 18 T	N-NITROSODIMETHYLAMINE PYRIDINE 2-FLUOROPHENOL SURR. PHENOL-d6 SURR. PHENOL CCC aniline BIS(2-CHLOROETHYL)ETHER 2-CHLOROPHENOL 1.3 DICHLOROBENZENE 1.4 DICHLOROBENZENE 2-METHYLPHENOL BIS(2-CHLOROISOPROPYL)ETHER 4-METHYLPHENOL N-NITROSO-DI-N-PROPYLAMINE HEXACHLOROETHANE	$\begin{array}{c} 0.907 \\ 0.930 \\ 0.909 \\ 0.743 \\ 0.921 \\ 0.803 \\ 1.209 \\ 1.029 \\ 0.537 \\ 0.408 \end{array}$	0.864 0.882 0.861 0.732 0.894 0.802 1.174 1.037 0.547 0.382	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
19 I 20 S 21 T 22 T 23 T 24 T 25 T 26 T 27 T 28 T 29 T 30 T 31 T 32 T 33 T 34 T	NITROBENZENE-d5 SURR. NITROBENZENE ISOPHORONE 2.4 DIMETHYLPHENOL Benzoic Acid 2-NITROPHENOL BIS(2-CHLOROETHOXY)METHANE 2.4 DICHLOROPHENOL CCC 1.2.4 TRICHLOROBENZENE NAPHTHALENE 4-CHLOROANILINE HEXACHLOROBUTADIENE CCC	$\begin{array}{c} 1.000\\ 0.370\\ 0.415\\ 1.040\\ 0.314\\ 0.282\\ 0.251\\ 0.575\\ 0.335\\ 0.335\\ 1.076\\ 0.367\\ 0.173\\ 0.400\\ 0.747\\ 0.267\end{array}$	$\begin{array}{c} 1.000\\ 0.363\\ 0.395\\ 0.989\\ 0.309\\ 0.291\\ 0.246\\ 0.551\\ 0.339\\ 0.314\\ 1.032\\ 0.402\\ 0.166\\ 0.412\\ 0.704\\ 0.290 \end{array}$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ACENAPHTHENE-d10 INT. STD. HEXACHLOROCYCLOPENTADIENE S 2,4,6-TRICHLOROPHENOL CCC 2,4,5 TRICHLOROPHENOL 2-FLUOROBIPHENYL SURR. 2-CHLORONAPHTHALENE DIMETHYLPHTHALATE 2,6 DINITROTOLUENE ACENAPHTHYLENE 3-NITROANILINE ACENAPHTHENE CCC 2,4-DINITROPHENOL SPCC 4-NITROPHENOL SPCC DIBENZOFURAN 2,4 DINITROTOLUENE DIETHYLPHTHLATE 4-CHLOROPHENYLPHENYL ETHER FLUORENE 4-NITROANILINE	1.000	1.000	0.0 83 0.00

Evaluate Continuing Calibration Report Data Path: C:\OLDATA\DECO8\120108\ Data Pile: 12010810.0 Acq On : 1 Dec 2008 3:55 pm Operator: J. Aquilina Sample : bins std 30 ppb s08-2 Misc Quant Time: Jan 14 14:25:24 2009 Quant Title : Quant Title : Quant Title : Quast Time: Jan 14 14:25:24 2009 Quast Time: Jan 14 Tata Calibration Min. REF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min Max. RRF Dev : 20% Max. Rel. Area : 150% Compound AvgRF CCF %Dev Area% Dev(min) 54 I PHENANTHERNE-d10 INT. STD. 1.000 1.000 0.0 \$\$7 0.01 55 T 4.6-DINITRO-2-METHYLPHENOL 0.170 0.180 -5:9 \$\$7 0.00 56 T N-NITROSOPHENVLENE 0.130 0.113 -5:1 \$\$96 0.00 58 S 2.4.6 TRIBROMPHENVLENTER 0.131 0.113 -5:1 \$\$96 0.00 61 T PENTAHTRENE 0.245 0.257 3.0 \$\$93 0.00 62 T PHENANTHRENE 1.397 1.356 4.7 \$\$67 0.00		Eva	luate Con	típuipa c	7. 1.5 L	
Quant Time: Jan 14 14:25:24 2009 Quant Title : 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. Fel. 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 0.0 87 0.001 56 T N-NITROSODIPHENYLAMINE 0.535 0.486 9.2 84 0.000 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 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 1.356 2.88 88 0.00 63 T ANTHRACENE 1.373 1.307 4.8 86 0.01 64 T CARBAZOLE 1.373 1.307 4.8 86 0.01 65 T DIBUTYLPHTHALATE 1.446 1.327 8.2 89 0.00 66 T FLUORANTHENE CCC 1.373 1.307 4.8 86 0.01 67 I CARBAZOLE 1.17. STD. 1.000 1.0000 0.0 0.0 95 0.00 68 T DENZIDINE 0.000 0.0000 0.0 0.0 95 0.00 69 T PYRENE 1.446 1.32	Dat Dat Acq Ope Sam Mis ALS	a File : 12010810.D On : 1 Dec 2008 3:55 p rator : J. Aquilina ple : bna std 30 ppb s08-2	108\ m	ornariig (alibration.	Report
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55T4.6-DINITRO-2-METHYLPHENOL1.0001.0000.0870.0156TN-NITROSODIPHENYLAMINE0.1700.180 -5.9 870.0057T1.2 DIPHENYLHYDRAZINE0.5350.4869.2840.0058S2.4.6TRIBROMOPHENOL SURR.0.1130.119 -5.3 960.0060THEXACHLOROBENZENE0.2650.2573.0930.0061TPENTACHLOROPHENOL CCC0.1390.144 -3.6 87 -0.02 63TANTHRACENE1.3501.2864.7870.0064TCARBAZOLE1.3971.3582.8880.0065TDI-N-BUTYLPHTHALATE1.4831.3439.4770.0066TFLUORANTHENE CCC1.3731.3074.8860.0167ICHRYSENE-d12INT. STD.1.0001.0000.0950.0068TBENZIDINE0.0000.000#0.00# $-13.60#$ 70STERPHENYL-d14SURR.1.4461.3278.2890.0071TBUTYLBENZYLPHTHALATE1.1351.0537.2900.0072TBIS(2-ETHYLHEXYL)PHTHALATE1.1351.0537.2900.0073TBENZO(A)ANTHRACENE1.2011.1742.22.90.0074TCHRYSENE <td< td=""><td> 54 т</td><td></td><td></td><td>CLRF</td><td>%Dev Ai</td><td>cea% Dev(min)</td></td<>	 54 т			CLRF	%Dev Ai	cea% Dev(min)
73 T BENZO(A) ANTHRACENE 1.557 1.402 10.0 89 0.00 74 T CHRYSENE 1.201 1.174 2.2 95 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 97 0.00 77 T DI-N-OCTYL PHTHALATE CCC 4.188 3.893 7.0 91 0.00	69 T 70 S 71 T	DINE	$\begin{array}{c} 1.000\\ 0.170\\ 0.535\\ 1.404\\ 0.113\\ 0.254\\ 0.265\\ 0.139\\ 1.350\\ 1.397\\ 1.483\\ 2.421\\ 1.373\\ 1.000\\ 0.002\end{array}$	$\begin{array}{c} 1.000\\ 0.180\\ 0.486\\ 1.317\\ 0.119\\ 0.241\\ 0.257\\ 0.144\\ 1.286\\ 1.358\\ 1.343\\ 2.275\\ 1.307\\ 1.000\\ \end{array}$	0.0 -5.9 9.2 6.2 -5.3 5.1 3.0 -3.6 4.7 2.8 9.4 6.0 4.8 0.0	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
76 T 3.3'-DICHLOROBENZIDINE 1.000 1.000 0.0 97 0.00 77 T DI-N-OCTYL PHTHALATE CCC 4.188 3.893 7.0 91 0.00 78 T BENZO(B)FLOURANTHENE 1 564 1.500 7.0 91 0.00	73 T 74 T	BENZO(A)ANTHRACENE CHRYSENE	1.557 1.201 1.184	1.402 1.174 1.095	10.0 2.2 7.5	89 0.00 95 0.00
75 IPERYLENE-d12 INT. STD. 1.000 1.000 0.0 92 0.00 76 T $3.3'$ -DICHLOROBENZIDINE 0.000 $0.000\#$ 0.0 97 0.00 77 TDI-N-OCTYL PHTHALATECCC 4.188 3.893 7.0 91 0.00 78 TBENZO(B)FLOURANTHENE 1.564 1.533 2.0 86 0.00 79 TBENZO(K)FLUORANTHENE 1.564 1.533 2.0 86 0.00 80 TBENZO(A)PYRENE CCC 1.330 1.315 1.1 94 0.00 81 TDIBENZO(A, H)ANTHRACENE 1.015 0.983 3.2 92 0.01 82 TINDENO(1, 2, 3-CD)PYRENE 1.168 1.190 -1.9 93 0.02 83 TBENZO(G, H, I)PERYLENE 1.072 0.986 8.0 89 0.01	76 T 77 T 78 T 79 T 80 T 81 T 82 T 83 T	3,3'-DICHLOROBENZIDINE DI-N-OCTYL PHTHALATE CCC BENZO(B)FLOURANTHENE BENZO(K)FLUORANTHENE BENZO(A)PYRENE CCC DIBENZO(A,H)ANTHRACENE INDENO(1,2,3-CD)PYRENE BENZO(G,H,I)PERYLENE	$\begin{array}{c} 1.000\\ 0.000\\ 4.188\\ 1.564\\ 1.524\\ 1.330\\ 1.015\\ 1.168\\ 1.072\\ \end{array}$	1.000 0.000# 3.893 1.533 1.486 1.315 0.983 1.190 0.986	$\begin{array}{c} 0.0\\ 0.0\\ 7.0\\ 2.0\\ 1.1\\ 3.2\\ -1.9\\ 8.0\\ 8\end{array}$	$\begin{array}{cccc} 97 & 0.00 \\ 0\# & -16.08\# \\ 91 & 0.00 \\ 36 & 0.00 \\ 02 & 0.02 \\ 94 & 0.00 \\ 92 & 0.01 \\ 93 & 0.02 \\ 99 & 0.01 \end{array}$

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

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
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 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
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 1143214
 40.00
 PPB
 0.00

 54)
 PHENANTHRENE-d10
 INT.
 STD.
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 40.00
 PPB
 0.01

 67)
 CHRYSENE-d12
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 STD.
 16.28
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 1682223
 40.00
 PPB
 0.00

 75)
 PERYLENE-d12
 INT.
 STD.
 19.60
 264
 1096227
 40.00
 PPB
 0.00

 System Monitoring Compounds4) 2-FLUOROPHENOL SURR.5.37112231888798.68PPB-0.065) PHENOL-d6 SURR.6.37992691312100.21PPB-0.0520) NITROBENZENE-d5 SURR.7.3782213505898.15PPB0.0039) 2-FLUOROBIPHENYL SURR.9.47172334026399.66PPB0.0058) 2.4.6TRIBROMOPHENOL SURR.11.25330500079105.54PPB0.0070) TERPHENYL-d14SURR.14.26244335268899.79PPB0.00

 Target Compounds
 Qvalue

 2) N-MITROSODIMETHYLAMINE
 3.94
 74
 462897
 28.47
 7PB
 96

 3) PYRIDINE
 3.93
 79
 863342
 29.67
 PPB
 93

 6) PHENOL
 CCC
 6.39
 94
 906111
 29.98
 PPB
 97

 10) 1.3 DICHLOROETHYL, ETHER
 6.44
 93
 853776m
 26.40
 PPB
 99

 10) 1.3 DICHLOROENZENE
 6.62
 146
 706641
 28.41
 PPB
 97

 11 1.4 DICHLOROBENZENE
 6.93
 146
 71596
 29.11
 PPB
 97

 13) 1.2-DICHLOROBENZENE
 6.93
 146
 71596
 29.11
 PPB
 97

 14) 2-METHYLPHENOL
 7.04
 108
 642814
 29.98
 PPB
 #
 27

 15) BIS(G-CHLOROETHANE
 7.21
 107
 831048
 30.24
 PPB
 #
 97

 16) 4-METHYLPHENOL
 7.21
 107
 831048
 30.24
 PPB
 94

 17) N-ITROSO-DI-D-PFOPYLAMINE
 7.21
 107
 31048
 30.24
 PPB
 94
 Target Compounds
 Qvalue
 Qvalue

 2) N-NITROSODIMETHYLAMINE
 3.94
 74
 462897
 28.47
 PPB
 96

 3) PYRIDINE
 3.93
 79
 863342
 29.67
 PPB
 93

Page 162

Data Path : C:\OLDDATA\DEC08\120 Data File : 12010810.D Acq On : 1 Dec 2008 3:55 p Operator : J. Aquilina Sample : bna std 30 ppb s08-2 Misc : ALS Vial : 11 Sample Multipli	m		1.0p01 0	(NU Status)		
Quant Time: Jan 14 14:25:24 2009 Quant Title : QLast Update : Thu Nov 13 09:14:: Response via : Initial Calibratic	on					
Internal Standards 52) FLUORENE	R.T.	QIon	Response	Conc Units	Dev(1	Min)
 52) FLUORENE 53) 4-NITROANILINE 55) 4.6-DINITRO-2-METHYLPHENOL 56) N-NITROSODIPHENYLAMINE 57) 1.2 DIPHENYLHYDRAZINE 59) 4-BROMOPHENYLPHENYL ETHER 60) HEXACHLOROBENZENE 61) PENTACHLOROPHENOL CCC 62) PHENANTHRENE 63) ANTHRACENE 64) CARBAZOLE 65) DI-N-BUTYLPHTHALATE 66) FLUORANTHENE CCC 68) BENZIDINE 69) PYRENE 71) BUTYLBENZYLPHTHALATE 73) BENZO(A)ANTHRACENE 74) CHRYSENE 75) DI-N-OCTYL PHTHALATE CCC 76) 3.3'-DICHLOROBENZIDINE 77) DI-N-OCTYL PHTHALATE CCC 78) BENZO(B) FLOURANTHENE 79) BENZO(C) FLUORANTHENE 80) BENZO(A) H) ANTHRACENE 81) DIBENZO(A, H) ANTHRACENE 82) INDENO(1.2.3-CD) PYRENE 83) BENZO(G, H, I) PERYLENE 	10.92 11.01 11.05 11.06 11.10 11.48 11.68 11.90 12.07 12.12 12.31 12.80 13.64 0.00 13.98 15.19	138 198 168 77 248 284 266 178 167 149 202 184 202 184	$\begin{array}{r} 1220242\\ 263736\\ 226292\\ 611941\\ 1657295\\ 303781\\ 323173\\ 180825\\ 1618264\\ 1707798\\ 1689547\\ 2861654\\ 1644493\\ 0\\ 1673660\\ 1328546\end{array}$	29.16 PPB 30.46 PPB 31.73 PPB 27.29 PPB 28.14 PPB 28.47 PPB 28.58 PPB 29.15 PPB 27.17 PPB 28.18 PPB 28.56 PPB N.D. 27.51 PPB 27.51 PPB	# # #	97. 82 90 94 99 97 99 99 99 99 99 99 99
82) INDENO(1.2.3-CD)PYRENE 83) BENZO(G.H.I)PERYLENE	22.05 22.59	276 276	978217 810967	30.57 PPB 27.60 PPB		95 99

With States

Data Pa Data Fi Acq On Operato Sample Misc ALS Via	bna std 30 ppb s08-2	
Quant T OLast H	ime: Jan 14 14:25:24 2009 itle : pdate : Thu Nov 13 09:14:22 2008 e via : Initial Calibration	
Abundance	TIC: 12010810.D	
7500000		
7000000	S. S	
6500000	2-FLUOROBIPHENYL SURR.,S	
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Time--> 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 23.08 2 06 2 5.00

	I	Respor	ise Fact	or Rej	port S	VGCMS#3	
Method Path : C:\MSDCHEM\1\ Method File : BZ111208.M Title : BASE/NEUTRALS & Last Update : Thu Nov 13 09 Response Via : Initial Calib	METHODS	EXTRA			L ·		
Calibration Files 30 =11120812.D 10 =11120 50 =11120815.D 80 =11120	813.D 816.D	20	=111208	314.D			
Compound	30	10	20	50	80	Avg	%RSD
1) I 1.4-DICHLOROBENZENE-d	~~ ~		IS	TD		Plat hits was dee that you had age .	
2) I NAPHTHALENE-d8 INT. S 3) S NITROBENZENE-d5 SUR							
4) I ACENAPHTHENE-d10 INT. 5) S 2-FLUOROBIPHENYL SU							
6) I PHENANTHRENE-d10 INT.		·	IS	I.17(TD	J 1.189	9 1.172	0,98
7) I CHRYSENE-d12 INT. STD 8) T BENZIDINE 9) S TERPHENYL-d14 SURR.							
<pre>11) T 3,3'-DICHLOROBENZID (#) = Out of Range</pre>	0.610	0.57	5 0.611	0.635	0.612	0.608	3.51

		+ CPOT 0	(NO SLALUS)	
m	208\			
22 2008 on				
R.T.	QIon	Response	Conc Units	Dev(Min)
6.67	150	742036	40.00 PPB	-0.07
7.33	82 172	1592082 3011044	98.85 PPB 102.33 PPB	-0.08
13.81 16.19	184 252	746659 357359	26.83 PPB 33.67 PPB	Qvalue 99 98
	V08\111 m ⇒r: 1 22 2008 on R.T. 6.67 • 8.14 10.24 12.01 16.23 19.54 7.33 9.44 14.23 13.81	V08\111208\ m ⇒r: 1 22 2008 m R.T. QIon 6.67 150 8.14 136 10.24 162 12.01 188 16.23 240 19.54 264 7.33 82 9.44 172 14.23 244 13.81 184	V08\111208\ m ⇒r: 1 22 2008 m R.T. QIon Response 6.67 150 742036 8.14 136 1900403 10.24 162 1027158 12.01 188 1544768 16.23 240 1271098 19.54 264 781439 7.33 82 1592082 9.44 172 3011044 14.23 244 2689153 13.81 184 746659	m PF: 1 22 2008 22 2008 20 R.T. Qion Response Conc Units 6.67 150 742036 40.00 PPB 8.14 136 1900403 40.00 PPB 10.24 162 1027158 40.00 PPB 12.01 188 1544768 40.00 PPB 16.23 240 1271098 40.00 PPB 19.54 264 781439 40.00 PPB 9.44 172 3011044 102.33 PPB 14.23 244 2689153 113.54 PPB 13.81 184 746659 26 83 PPB

anteresendestena.

		Snaurrar10	n Report (No Sta	atus)	
Acq On Operato Sample Misc	r : J. Aquilina : bz std 30 ppb s0 :	07 pm			
ALS Via	l : 13 Sample Mult	iplier: 1			
OLast U	ime: Nov 13 09:18:30 itle : pdate : Thu Nov 13 09 e via : Initial Calib:	11.00.0000			
Abundance			TIC: 11120812.D		
6500000					
6000000		ENYL SURR.,S			
5500000		2-FLUOROBIPHENYL SURR, S			
5000000		¢4	TERPHENYL-414 SURR.,S		
4500000		NT. STD.,I	TERPHENY		
4000000	6 SURR.S STD.J	ACENAPHTHENE-410 INT. STD.,I HRENE-410 INT. STD.,I			
3500000	NITROBENZENE-d6 SURR.,S NAPHTHALENE-d8 INT. STD.,I	ACENAPHTHENE-410 I			
3000000	TIN HTHGAN		STD.,		
2500000	ENE-d4 INT. S		sene-dt2 int.		
2000000	1.4-DICHLOROBENZENE-d4 INT. STD.,I		ENZIDIAN	Ē	
1500000	1,4-D)		DINE, T. 3.3-DICHLOROBENZIDIMEIAYSENE-d12 INT. STD.,I	PERVLENE-d12 INT. STD.,I	
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0 Time-> 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

Data Path : C:\MSDCHEM\1\DATA\NO Data File : 11120813.D Acq On : 12 Nov 2008 5:43 pr Operator : J. Aquilina Sample : bz std 10 ppb s08-2 Misc : ALS Vial : 14 Sample Multiplie	n	.208\			
Quant Time: Nov 13 09:18:32 2008 Quant Title : QLast Update : Thu Nov 13 09:14:2 Response via : Initial Calibratic	n				
Internal Standards	R.T.	QIon	Response	Conc Unit:	3 Dev(Min)
 1, 4-DICHLOROBENZENE-d4 INT 2) NAPHTHALENE-d8 INT. STD: 4) ACENAPHTHENE-d10 INT. STD. 6) PHENANTHRENE-d10 INT. STD. 7) CHRYSENE-d12 INT. STD. 10) PERYLENE-d12 INT. STD. 	6.67 8.14 10.24 12.01	150 136 162 188	784764 2003870 1064039 1622507	40.00 PPH 40.00 PPH 40.00 PPH 40.00 PPH 40.00 PPH	$\begin{array}{cccc} 3 & -0.07 \\ -0.07 \\ 3 & -0.07 \\ 3 & -0.06 \\ -0.10 \end{array}$
System Monitoring Compounds 3) NITROBENZENE-d5 SURR. 5) 2-FLUOROBIPHENYL SURR. 9) TERPHENYL-d14 SURR.	7.34 9.43 14.23	82 172 244	1711488 3112489 2755081	100.78 PPE 102.11 PPE 109.37 PPB	-0.08 -0.08 -0.08
Target Compounds	10 00	* ~ .			Qvalue

Data File : Acq On : Operator : Sample : Misc :	C:\MSDCHEM\1\DATA\NOV08\111208\ 11120813.D 12 Nov 2008 5:43 pm J. Aquilina bz std 10 ppb s08-2 14 Sample Multiplier: 1
Quant Title QLast Updat	Nov 13 09:18:32 2008 : ∋ : Thu Nov 13 09:14:22 2008 a : Initial Calibration

Abundance

TIC: 11120813.D

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4500000		
4000000	ENE-d5 SURR.,S VLENE-d8 INT. STD.,I ACENAPHTHENE-d10 INT. STD.,I INTHRENE-d10 INT. STD.,I	
3500000	D.,I NITROBENZENE-d5 SURR.,S NAPHTHALENE-d5 SURR.,S ACENAPHTHENE-d10 INT. STD.,I PHENANTHRENE-d10 INT. STD.,I	
3000000	VAPHTH/ PHEN	
2500000	NE-d4 INT. ST	
2000000	1.4-DICHLOROBENZENE-d4 INT. STD.,1 NIT NIT SWZIDINE, T CHRYSENE-d12 INT. STD.,1 INT. STD.,1	
500000	1.4-DICHLOROBENZENE-d4 INT. STD., I NIT NIT StD., I 3.3-DICHLOROBENZIDINE, T CHRYSENE-d12 INT. STD., I PERYLENE-d12 INT. STD., I	
000000		
500000		
and the second	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 age of	

Au-			roport	(NO Sta	tusi	
Data Path : C:\MSDCHEM\1\DATA\NO Data File : 11120814.D Acq On : 12 Nov 2008 6:18 pr Operator : J. Aquilina Sample : bz std 20 ppb s08-2 Misc : ALS Vial : 15 Sample Multiplie	m	208				
Quant Time: Nov 13 09:18:33 2008 Quant Title : QLast Update : Thu Nov 13 09:14:2 Response via : Initial Calibratic	on					
Internal Standards	R.T.	QIon	Response	Conc U	nits	Dev(Min)
 1.4-DICHLOROBENZENE-d4 INT 2.NAPHTHALENE-d3 INT. STD: 4.ACENAPHTHENE-d10 INT. STD. 6.PHENANTHRENE-d10 INT. STD. 7.CHRYSENE-d12 INT. STD. 10.PERYLENE-d12 INT. STD. 	6.67 8.14 10.24 12.00	150 136 162 188	681030 1723070 976313 1459893	40.00 40.00 40.00 40.00 40.00 40.00	PPB PPB PPB PPB PPB	-0.07 -0.07 -0.07
System Monitoring Compounds 3) NITROBENZENE-d5 SURR. 5) 2-FLUOROBIPHENYL SURR. 9) TERPHENYL-d14 SURR.	7.33 9.43 14.22	82 172 244	1488002 2824612 2474648	101.90 100.99 109.88	PPB PPB PPB	-0.08 -0.09 -0.08
Target Compounds 8) BENZIDINE 11) 3,3'-DICHLOROBENZIDINE	13.81 16.19	184 252	465295 225534	17.58 22.49	PPB PPB	Qvalue 97 99
						the second second second second second

Data Path : C:\MSDCHEM\1\DATA\NOV08\111208\ Data File : 11120814.D
Acq On : 12 Nov 2008 6:18 pm
Operator : J. Aquilína
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

Abundance TIC: 11120814.D 2-FLUOROBIPHENYL SURR.S TERPHENYL-d14 SURR.,S ACENAPHTHENE-d10 INT. STD.,I PHENANTHRENE-d10 INT. STD.,I NITROBENZENE-d5 SURR. S NAPHTHALENE-d8 INT. STD.,I 3.3-DICHLOROBENZIDINE, T CHRYSENE-412 INT. STD.,I 1,4-DICHLOROBENZENE-d4 INT, STD, J PERVLENE-d12 INT. STD.,I BENZIDINE, T

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 29.00 125.00

Time-->

~			TOPOTO	INU SLALUS		
Data Path : C:\MSDCHEM\1\DATA\NO\ 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 Multiplie	n	.208\				
Quant Time: Nov 13 09:18:34 2008 Quant Title : QLast Update : Thu Nov 13 09:14:2 Response via : Initial Calibratic	'n					
Internal Standards	R.T.	QIon	Response	Conc Uni	ts Dev(Min)	
 1, 4-DICHLOROBENZENE-d4 INT NAPHTHALENE-d8 INT: STD: 4) ACENAPHTHENE-d10 INT: STD: 6) PHENANTHRENE-d10 INT: STD: 7) CHRYSENE-d12 INT: STD: 10) PERYLENE-d12 INT: STD: 	6.67 8.14 10.24 12.00	150 136 162 188	687921 1740864 964991 1452270	40.00 PH 40.00 PH 40.00 PH 40.00 PH	2B -0.07 2B -0.08 2B -0.08 2B -0.08 2B -0.07	
System Monitoring Compounds 3) NITROBENZENE-d5 SURR. 5) 2-FLUOROBIPHENYL SURR. 9) TERPHENYL-d14 SURR.	7 50	0.0				
Target Compounds 8) BENZIDINE 11) 3.3'-DICHLOROBENZIDINE	13.79 16.17	184 252	1362095 585311	51.92 PP 58.40 PP	Qvalue B 99 B 98	

A ANALAN

Data File : Acq On : Operator :	C:\MSDCHEM\1\DATA\NOV08\111208\ 11120815.D 12 Nov 2008 6:53 pm J. Aquilina bz std 50 ppb s08-2
Misc :	
ALS Vial :	16 Sample Multiplier: 1
Quant Time: Quant Title	Nov 13 09:18:34 2008
QLast Update	ə : Thu Nov 13 09:14:22 2008 a : Initial Calibration

Abundance TIC: 11120815.D 6000000 2-FLUOROBIPHENYL SURR.,S 5500000 5000000 TERPHENYL-d14 SURR.,S 4500000 ACENAPHTHENE-d10 INT. STD.,I 4000000 PHENANTHRENE-d10 INT. STD. I 3500000 NITROBENZENE-d5 SURR.,S NAPHTHALENE-d8 INT. STD.,I 3000000 3,3-DICHLOROBENZIDINEYSENE-412 INT, STD.,I 1.4-DICHLOROBENZENE-d4 INT. STD.,I 2500000 BENZIDINE, T 2000000 PERVLENE-d12 INT. STD.,I 1500000 1000000 500000 0

Time--> 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

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, 4-DICHLOROBENZENE-d4 INT 2) NAPHTHALENE-d8 INT. STD. 4) ACENAPHTHENE-d10 INT. STD. 6) PHENANTHRENE-d10 INT. STD. 7) CHRYSENE-d12 INT. STD. 10) PERYLENE-d12 INT. STD. 	10.23 12.00	136 162 188	1658806 934995 1408679	40.00 PPB 40.00 PPB 40.00 PPB	-0.09 -0.08 -0.07		
System Monitoring Compounds 3) NITROBENZENE-d5 SURR. 5) 2-FLUOROBIPHENYL SURR. 9) TERPHENYL-d14 SURR.	7.32 9.43 14.21	82 172 244	1461074 2779950 2422936	103.93 PPB 103.79 PPB 119.17 PPB	-0.09 -0.09 -0.09		
Target Compounds 8) BENZIDINE 11) 3,3'-DICHLOROBENZIDINE	13.80 16.18	184 252	1967540 824663	82.35 PPB 90.10 PPB	Qvalue 99 98		

Data Pa Data Fi Acq On Operato Sample Misc ALS Via	or : J. Aquilina : bz std 80 ppb s08- :	3 pm -2			
Quant T OLast U	'ime: Nov 13 09:18:35 20 'itle : Jpdate : Thu Nov 13 09:1 e via : Initial Calibra	14:22 2008			
Abundance 6500000)		TIC: 11120816.D		
6000000		ω			
5500000		2-FLUOROBIPHENYL SURR.,S			
5000000		2-FLUOR	స. జ		
4500000			TERPHENYL-d14 SURR.S		
4000000		Ê-d10 INT. STD	TERP		
3500000	DBENZENE-d6 SURR.,S	ACENAPHTHENE-d10 INT. STD.,I ENANTHRENE-d10 INT. STD.,I			
3000000	NITROBENZENE-d5 SURR.,S NAPHTHALENE-d8 INT. STD.,I	PHENANTHF	BENZIDINE, T Edzidine, T		
2500000	4 INT. STD.,		BENZIDINE CHRYSENDIQHE009EDINE,		
2000000	1,4-DICHLOROBENZENE-d4 INT. STD.		CHRYSEN		
1500000	1,4-DICHLC			PERYLENE-d12 INT. STDI	
1000000		Service and a service and a service of the service		PERVEN	
500000					
0				₿	

0 Time--> 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 pgg24198 25.00

Data File :	12 Nov 2008 8:03 pm
Acq On :	J. Aquilina
Operator :	bz std 30 ppb s08-2
Quant Title QLast Updat	Nov 13 09:18:36 2008 ; e : Thu Nov 13 09:14:22 2008 a : 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%	6 Dev(min)
1 I	1,4-DICHLOROBENZENE-d4 INT.	1.000	1.000	0.0 109	-0.08
2 I 3 S	NAPHTHALENE-d8 INT. STD. NITROBENZENE-d5 SURR.	1.000 0.343	1.000 0.348	0.0 105 -1.5 109	
4 I 5 S	ACENAPHTHENE-d10 INT. STD. 2-FLUOROBIPHENYL SURR.	1.000 1.172	1.000 1.181	0.0 106 -0.8 107	
6 I	PHENANTHRENE-d10 INT. STD.	1.000	1.000	0.0 108	-0.07
7 I 8 T 9 S	CHRYSENE-d12 INT. STD. BENZIDINE TERPHENYL-d14 SURR.	1.000 0.795 0.837	1.000 0.855 0.825	0.0 108 -7.5 118 1.4 105	-0.07
10 I 11 T	PERYLENE-d12 INT. STD. 3.3'-DICHLOROBENZIDINE	1.000 0.608	1.000 0.623	$\begin{array}{ccc} 0.0 & 108 \\ -2.5 & 110 \end{array}$	• ·

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

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 Ui	nits	Dev(Min)	
 1, 4-DICHLOROBENZENE-d4 INT 2) NAPHTHALENE-d8 INT. STD. 4) ACENAPHTHENE-d10 INT. STD. 6) PHENANTHRENE-d10 INT. STD. 7) CHRYSENE-d12 INT. STD. 10) PERYLENE-d12 INT. STD. 10) PERYLENE-d12 INT. STD. System Monitoring Compounds 3) NITROBENZENE-d5 SURR. 5) 2-FLUOROBIPHENYL SURR. 	8.13 10.23 12.00 16.21 19.53	136 162 188 240 264 82	$1993613 \\ 1088444 \\ 1661789 \\ 1369871 \\ 840730 \\ 1733850 $	40.00 40.00 40.00 40.00 40.00	PPB PPB PPB PPB PPB	-0.08 -0.08 -0.07 -0.11 -0.11	
5) 2-FLUOROBIPHENYL SURR. 9) TERPHENYL-d14 SURR.	14.22	244	2826543	98,64	PPB	-0.09	
Target Compounds 8) BENZIDINE 11) 3.3'-DICHLOROBENZIDINE	13.80 16.17	184 252	878590 392695	32.29 30.71		Qvalue 99 98	

Sample Misc ALS Vial	bz std 30 ppb s0	iplier: 1			
Quant Tit QLast Upd.	ə: Nov 13 09:18;36 le : ate : Thu Nov 13 09 /ia : Initial Calib	:14.22 2008			
Abundance			TIC: 11120817.D		
700000					
6500000		rt surr.s			
6000000		2-FLUOROBIPHENYL SURR.,S			
5500000		241	a a		
5000000		0 INT. STD.,I	TERPHENYL-414 SURR.,S		
4500000	URR.,S STD.,I	ACENAPHTHENE-410 (NT. STD.,) E-410 (NT. STD.,)	ТЕКРНЕ		
3500000	NITROBENZENE-d5 SURR.,S NAPHTHALENE-d8 INT. STD.,I	ACENAPHTHENE ACENAPHTHENE			
3000000	Ż	PHENA	l, d		
2500000	E-d4 INT. STD.		NE-d12 INT. ST		
2000000	1,4-DICHLOROBENZENE-d4 INT. STD. I		JENZIDINE. J 3.3-DICHLOROBENZIDINE OFIRYSENE-412 INT. STD.,I	stb.,i	
1500000	1.4-DI		BENZIQINE, T 3.3DICHLOROBEN	PERVLENE-412 INT. STD.,1	
1000000				PERM	
500000					

Data Path : C:\MSDChem\1\DATA\jan09\011209\ Data File : 01120901.D Acq On : 12 Jan 2009 9:52 am Operator : J. Aquilína Sample : dftpp Misc ALS Vial : 2 Sample Multiplier: 1 Integration File: rteint.p : C:\MSDCHEM\1\METHODS\G3120108.M Method Title BASE/NEUTRALS & ACID EXTRACTABLES Last Update : Tue Dec 02 11:28:49 2008 Abundance TIC: 01120901.D 4000000 3000000 2000000 1000000 0 8.80 9.00 9.20 9.40 9.60 9.80 10.00 10.20 10.40 10.60 10.80 11.00 11.20 11.40 11.60 11.80 12.00 12.20 12.40 12.60 Time--> Abundance 198 70000 60000 50000 40000 69 127 255 51 442 30000 110 20000 275 10000 186 224 81 93 167 296 148 211 242 323335 352 365 383 423 403 0 m/z--> 40 60 80 100 120 140 160 180 200 220 240 260 280 300 320 340 360 380 400 420 440 Spectrum Information: Average of 10.709 to 10.753 min. Target | Rel. to | Lower | Upper Rel. Raw Result 1 Mass Mass | Limit% | Limit% | ł Abn% Abn Pass/Fail 51 19830 39.2 28710 60 PASS 68 69 0.00 2 1.1 397 PASS 69 198 0.00 51.5 100 37755 PASS 70 69 0.00 2 0.5 196 PASS 127198 4 በ 50.0 60 36642 PASS 197 198 0.00 1 0.0 PASS Ω 198 198 100.0 100 100 73280 PASS 199 198 5 9 6.7 4885 PASS 275 198 10 30 17.6 12907 PASS 365 198 100 1 1.6 1203 PASS 4414430.01 100 72.9 4283 PASS 442 198 40100 40.6 29788 PASS 443 442 17 23 19.7 5879 PASS

DFTPP

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

Data Path : C:\MSDChem\1\DATA\jan09\011209\

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvaRF	CCRF	%Dev Area% Dev(min)
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1.4-DICHLOROBENZENE-d4 INT. N-NITROSODIMETHYLAMINE PYRIDINE 2-FLUOROPHENOL SURR. PHENOL-d6 SURR. PHENOL-d6 SURR. PHENOL CCC aniline BIS(2-CHLOROETHYL)ETHER 2-CHLOROPHENOL 1.3 DICHLOROBENZENE 1.4 DICHLOROBENZENE 1.4 DICHLOROBENZENE 2-METHYLPHENOL BIS(2-CHLOROISOPROPYL)ETHER 4-METHYLPHENOL N-NITROSO-DI-N-PROPYLAMINE HEXACHLOROETHANE	$\begin{array}{c} 1.000\\ 0.609\\ 1.090\\ 0.880\\ 1.006\\ 1.132\\ 0.640\\ 1.211\\ 0.907\\ 0.930\\ 0.909\\ 0.743\\ 0.921\\ 0.803\\ 1.209\\ 1.029\\ 1.029\\ 0.537\\ 0.408 \end{array}$	$\begin{array}{c} 1.000\\ 0.616\\ 1.158\\ 0.862\\ 0.991\\ 1.144\\ 0.614\\ 1.027\\ 0.866\\ 0.953\\ 0.837\\ 0.679\\ 0.904\\ 0.786\\ 1.279\\ 0.929\\ 0.542\\ 0.582\end{array}$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
19 I 20 S 21 T 22 T 23 T 24 T 25 T 26 T 27 T 28 T 29 T 30 T 31 T 32 T 33 T 34 T	NAPHTHALENE-d8 INT. STD. NITROBENZENE-d5 SURR. NITROBENZENE ISOPHORONE 2,4 DIMETHYLPHENOL Benzoic Acid 2-NITROPHENOL BIS(2-CHLOROETHOXY)METHANE 2.4 DICHLOROPHENOL CCC 1,2,4 TRICHLOROBENZENE NAPHTHALENE 4-CHLOROANILINE HEXACHLOROBUTADIENE CCC 4-CHLORO-3-METHYLPHENOL CCC 2-METHYLNAPHTHALENE 2-NITROANILINE	0.400 0.747 0.267	0.392 0.719 0.271	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$
35 I 36 T 37 T 39 S 40 T 41 T 42 T 43 T 44 T 45 T 46 T 46 T 47 T 48 T 50 T 51 T 52 T 53 T	ACENAPHTHENE-d10 INT. STD. HEXACHLOROCYCLOPENTADIENE S 2.4.6-TRICHLOROPHENOL CCC 2.4.5 TRICHLOROPHENOL CCC 2.FLUOROBIPHENYL SURR. 2-CHLORONAPHTHALENE DIMETHYLPHTHALATE 2.6 DINITROTOLUENE ACENAPHTHYLENE 3-NITROANILINE ACENAPHTHENE CCC 2.4-DINITROPHENOL SPCC 4-NITROPHENOL SPCC DIBENZOFURAN 2.4 DINITROTOLUENE DIETHYLPHTHLATE 4-CHLOROPHENYLPHENYL ETHER FLUORENE 4-NITROANILINE	$\begin{array}{c} 1.000\\ 0.207\\ 0.389\\ 0.369\\ 1.173\\ 1.468\\ 1.913\\ 0.427\\ 2.242\\ 0.441\\ 1.399\\ 0.208\\ 0.250\\ 2.001\\ 0.584\\ 2.041\\ 0.592\\ 1.464\\ 0.303 \end{array}$	$\begin{array}{c} 1.000\\ 0.208\\ 0.397\\ 0.323\\ 1.140\\ 1.426\\ 1.793\\ 0.387\\ 2.032\\ 0.454\\ 1.321\\ 0.189\\ 0.233\\ 1.852\\ 0.578\\ 1.792\\ 0.526\\ 1.348\\ 0.265 \end{array}$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$

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 Õuant Title $ilde{\mathsf{Q}}\mathsf{Last}$ 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
 0.265
 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
 -0.05

 65 T
 DI-N-BUTYLPHTHALATE
 2.421
 2.270</

 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

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-d4INT6.65150149761040.00PPB-0.0619)NAPHTHALENE-d8INT.STD.8.13136308492640.00PPB-0.0535)ACENAPHTHENE-d10INT.STD.10.23162146196340.00PPB-0.0554)PHENANTHRENE-d10INT.STD.11.99188202726140.00PPB-0.0467)CHRYSENE-d12INT.STD.16.21240188627240.00PPB-0.0675)PERYLENE-d12INT.STD.19.53264125475440.00PPB-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

 700
 TERPHENNE did supp
 14.21
 244
 3599677
 95
 55
 PPB
 -0.05

 70)
 TERPHENYL-d14 SURR.
 14.21
 244
 3599677
 95.55
 PFB
 -0.05

 Target Compounds
 0.N-NITROSODIMETHYLAMINE
 3.89
 74
 691859
 30.35
 PFB
 99

 3)
 PYRIDINE
 3.88
 79
 1301015
 31.89
 PFB
 99

 6)
 PHENOL
 CCC
 6.36
 94
 1284452
 30.30
 PFB
 93

 7)
 aniline
 6.37
 93
 153471
 25.45
 PFB
 86

 9)
 2-CHLOROFENZENE
 6.47
 128
 972179
 28.62
 PFB
 97

 11
 1.4
 DICHLOROBENZENE
 6.47
 128
 9763126
 27.43
 PFB
 97

 13)
 1.2-DICHLOROBENZENE
 6.88
 146
 1015043
 29.43
 PFB
 97

 14)
 2-METHYLPHENOL
 7.18
 107
 1043500
 27.68
 PFB
 96

 15)
 BIS(2-CHLOROBENZENE
 7.35
 77
 90382
 28.27
 PFB
 97

 17)
 N-NITROSON-DI-N-PROYLAMINE
 7.17
 43
 70)
 TERPHENYL-d14
 SURR.
 11.20
 S30
 547107
 95.53
 PPB

 70)
 TERPHENYL-d14
 SURR.
 14.21
 244
 3599677
 95.55
 PPB
 -0.05

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

 Internal Standards
 R.T. QIon
 Response
 Conc Units Dev(Min)

 52)
 FLUORENE
 10.87
 166
 1477674
 27.61
 PPB
 95

 53)
 4-MITROANILINE
 10.97
 138
 290477m
 26.23
 PPB
 95

 55)
 4.6-DINITRO-2-METHYLPHENOL
 11.02
 198
 263920
 30.62
 PPB
 #
 22

 56)
 N-NITROSODIPHENYLAMINE
 11.02
 198
 263920
 30.62
 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
 248
 360142
 27.93
 PPB
 96

 61)
 PENTACHLOROPHENOL CCC
 11.87
 266
 199705
 28.36
 PPB
 100

 62)
 PHENANTHRENE
 12.03
 178
 1921194
 28.08
 PPB
 100

 63)
 ANTHRACENE
 12.75
 149
 3452130 R.T. QIon Response Conc Units Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

	Sacueren vebere (+)
Data Path : C:\MSDCHEM\1\DATA\ Data File : 01120902.D Acq On : 12 Jan 2009 10:18 Operator : J. Aquilina Sample : bna std 30 ppb s08 Misc :	am
ALS Vial : 3 Sample Multipl	ier: 1
Quant Time: Jan 13 09:33:37 20 Quant Títle : QLast Update : Tue Dec 02 11:2 Response via : Initial Calibra	28:49 2008
Abundance	TIC: 01120902.D
1e+07	
9500000	
9000000	
8500000	STRATES CONSTRATES
8000000	
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7000000	AGE CENTRE PER INT. STD., I BERRENE THENYLETHER, T BERRENE T HALATE, T TERPHENYL-d14 SURRS LATE. T LATE. T
6500000 °, v: 22 22 √,	LI CCC, ACENTRPHTHENER, O INT. S. CCC, T ACENTRPHTHENER, T BUTYLPHTHALATE, T BUTYLPHTHALATE, T TERPHENYL-d14 SURR.S ATE, T YLPHTHALATE, T CCC, T
0000009 2011 STD 46 SUI 31NT STD	RCENTRY STD.,I LATE, T TERPH TE. T
	ET CCC.T AGENNEL FCCC.T AGENNEL BUTYLPHTHALATE, BUTYLPHTHALATE, TTEF TEF VLPHTHALATE, T CCC.T
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TLAMINE, T 2.5500000000000000000000000000000000000	LILLOURDAY WINNET T PHENOLIC CARBAZI GNE GREAT E. T
	ACHLUROCHULUROHENDET 2. 2.3411116600HENDLET 2. 2.3411116600HENDLET 2. 2.341116600HENDLET 2. 2.341116000HENDLENCOLUEN REITACHLOROPHENOLUEN CARBAZOLE, T CARBAZOLE, T PYR BENZOVABRARATAFINERAE BENZOVABRARAFINERAE BENZEARDRARAFINERAE BENZEARDRARAFINERAE BENZEARDRARAFINERAE BENZEARDRARAFINERAE BENZEARDRARAFINERAE BENZEARDRARAFINERAE BENZEARDRARAFINERAE BENZEARDRARAFINERAE BENZEARDRARAFINERAE
2500000 Build Hollow Build Holl	HEXACHLOROCYCLOP2946 FRIGHERENET 2-3NINTEROMUNUMET 7 2-3NINTEOMUNUTET 7 MILINE 7 PENTACHLOROPHENOLC CARBACO BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENERS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENELS BENZOLABENEL
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G3120108.M Tue Jan 13 09:34:17 2009 J

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Data Path : C:\MSDCHEM\1\DATA\ Data File : 01120903 D	Juant	itation	Report	(No Status)	
Data File : 01120903.D Acq On : 12 Jan 2009 10:52		011209			
Derator : J. Aquilina Sample : bna std 1 ppb s08- Lisc :	am				
lisc	2				
LS Vial : 4 Sample Multipl	ier: 1				
uant Time: Jan 13 09:34:18 20 uant Title :	09				
Last Undate · Tuo Dog on it .	8:49-26	100			
· ····································	tion				
Internal Standards 1) 1,4-DICHLOROBENZENE-d4 IN	R.	T. QIon	Response	Conc Unite	Dov(Min)
1) 1,4-DICHLOROBENZENE-d4 IN 19) NAPHTHALENE-d8 INT. STD. 35) ACENAPHTHENE, d10 INT. G	лг <u>6</u> ,	65 150	1287816		Dev(Min)
1) 1.4-DICHLOROBENZENE-d4 IN 19) NAPHTHALENE-d8 INT. STD. 35) ACENAPHTHENE-d10 INT. STI 54) PHENANTHRENE-d10 INT. STD 67) CHRYSENE-d12 INT. STD. 75) PERYLENE-d12 INT. STD. System Monitoring Compounds) 10	12 136	2861587	40.00 PPB 40.00 PPB	0.06. -0.06
54) PHENANTHRENE-d10 INT. STE 67) CHRYSENE-d12 INT. STE). $12.$	42 162 00 188	1369872 1978097	40.00 PPB	-0.05
75) PERYLENE-d12 INT. STD.	16. 19.	20 240 53 264	1788525	40.00 PPB	-0.04 -0.07
ystem Monitoring Compounds		- 204	4441077M	4U.00 PPB	-0.07
<pre>System Monitoring Compounds 4) 2-FLUOROPHENOL SURR. 5) PHENOL-d6 SURR. 20) NITROBENZENE-d5 SURR. 39) 2-FLUOROBIPHENYL SURR. 58) 2.4.6 TRIBROMOPHENOL SURR 70) TERPHENYL-d14 SURR. arget Compounds</pre>	5.3	35 112	2966312	104 69 000	<u> </u>
20) NITROBENZENE-d5 SURR.	6.3 7.1	99 35 2 איז	3476613	107.36 PPB	-0.09 -0.08
58) 2,4,6 TRIBROMOPHENIOL SUDD	9.4	12 172	3993900	95.00 PPB 99.44 PPB	-0.05 -0.05
70) TERPHENYL-d14 SURR.	· 11.2 14.2	:U 330 :1 244	483962 3272675	86.61 PPB	-0.05
arget Compounds			~~. <i>~~</i> .,,,)1.02 PPB	-0.05
2) N-NITROSODIMETHYLAMINE 3) PYRIDINE 6) PHENOL CCC 7) aniline 8) BIS(2-CHLOROETHYL)ETHER	3.9	4 74	21351m	1.09 PPR	Qvalue
6) PHENOL CCC	3.9 6.3	379 694	40795m 48767	1.16 PPB	
8) BIS(2-CHLOROETHYL)ETHER 9) 2-CHLOROETHYL)ETHER	6.3	6 93	48767 27033m 42195m	1.34 PPB 1.31 PPB	# 1
9) 2-CHLOROPHENOL 9) 2-CHLOROPHENOL 0) 1.3 DICHLOROBENZENE 1) 1.4 DICHLOROBENZENE CCC 2) benzyl alcohol	6.3 6.4	993 9128	42195m	1.08 PPB	
1) 1,4 DICHLOROBENZENE CCC	6.6	1 146	35745 37414	1.22 PPB 1.25 PPB	96 97
3) 1.2-DICHIOPOPENTENE	6.8	7 146 7 79	36295 17698	1.24 PPB 0.74 PPB	88
4) 2-METHYLPHENOL	6.88	3 146 3 108	36630	1.24 PPB	92 96
 1,4 DICHLOROBENZENE CCC benzyl alcohol 1,2-DICHLOROBENZENE 2-METHYLPHENOL BIS(2-CHLOROISOPROPYL)ETHE 4-METHYLPHENOL N-NITROSO-DI-N-PROPYLAMINE 	7.00	45	36295 17698 36630 39048m 55987	1.51 PPB 1.44 PPB	# 92
 7) N-NITROSO-DI-N-PROPYLAMINE 8) HEXACHLOROFTHAME 	7.20) 107 ' 43	37524m 21661	1.13 PPB	~ 4
 7) N-NITROSO-DI-N-PROPYLAMINE 8) HEXACHLOROETHANE 1) NITROBENZENE 2) ISOPHORONE 3) 2.4 DIMETHYLPHENOL 4) Benzoic Acid 5) 2-NITROPHENOL 5) BIS(2-CHLOROETHOXY)METHANE 	7.22	117	15789	1.25 PPB 1.20 PPB	95 97
2) ISOPHORONE 3) 2 4 DIMETHYLDURNOT	7.60	77 82	38391 89107	1 29 DDD	94
4) Benzoic Acid	7.82	107 105	20258m	0.90 PPB	96
5) BIS(2-CHLOROFTHOYY)METHONY	7.72	139	21911m	0.20 PPB / 1.22 PPB	\$ 61
2.4 DICHLOPOPHENOT CCC	(,00	73	45083m	1.10 PPR	
) NAPHTHALENE	8.08 8.14	180	27553	0.98 PPB 1.15 PPB	97
) 4-CHLOROANILINE) HEXACHLOROBUTADIENE CCC	8.30	$\begin{array}{c}128\\127\end{array}$	95285 25704m	1 24 PPR	89
	8.36	225	13586	0.98 PPB 1.10 PPB	98
2-METHYLNAPHTHALENE 2-NITROANILINE	8.97	142	67856	0.89 PPB 1.27 PPB	92
) HEXACHLOROCYCLOPENTADIENE) 2.4 6-TRICHLORODURNOT DES	9.77 9.23	138 237	14662m	0.77 PPB	74
) 2.4.5 TRICHLOROPHENOL CCC) 2.4.5 TRICHLOROPHENOT	9.38	196	13500	N.D. 1.01 PPB #	53
) 2-CHLORONAPHTHALENE	2.49 9.55	196 162	16078m 58989	1.27 PPB 1.17 PPB	~~
2.6 DINITROTOLUENE	9,95 10 กร	163	58989 76671	1.17 PPB	100 97
) ACENAPHTHYLENE 3-NITROANILINE	10.05	165 152	15748 96765	1.08 PPB 1.26 PPB	87
ACENAPHTHENE CCC	9.77 10.26	65 153	13086m	0.87 PPB	95
			56187	1.17 PPB	94
2,4-DINITROPHENOL SPCC	0.00	184	0	IN . 17 .	
) HEXACHLOROCYCLOPENTADIENE) 2,4,6-TRICHLOROPHENOL CCC) 2,4,5 TRICHLOROPHENOL) 2-CHLORONAPHTHALENE) DIMETHYLPHTHALATE) 2,6 DINITROTOLUENE) ACENAPHTHYLENE) 3-NITROANILINE ACENAPHTHENE CCC 2,4-DINITROPHENOL SPCC UIBENZOFURAN 2,4 DINITROPHENOL SPCC	0.00 10.56 10.47	184 65 168	469	N.D. N.D.	
 2.4-DINITROPHENOL SPCC 4-NITROPHENOL SPCC DIBENZOFURAN 2.4 DINITROTOLUENE DIETHYLPHTHLATE 4-CHLOROPHENYLPHENYL ETHER 	10.56	~ ~ ~	469 89005 17818m	N.D. 1 30 000	77

	Quantit	ation	Donaut		
Data File 01120002 P	AN09\01	1209\	vehott	(No Status)	
Acq On : 12 Jan 2009 10:52 Operator : J. Aquilina Sample : bna std 1 ppb s08-2 Misc : ALS Vial : 4 Sample Multipli	am				
ALS Vial : 4 Sample Multipli	er: 1				
Quant Time: Jan 13 09:34:18 2009 Quant Title	9				
QLast Update : Tue Dec 02 11:28: Response via : Initial Calibrati	49 2008 Ion				
Internal Standards	R.T.	QIon	Response	Conc Units	
52) FLUORENE	10 07			cone units	Dev(Min)
52) FLUORENE 53) 4-NITROANILINE 55) 4,6-DINITRO-2-METHYLPHENOL 56) N-NITROSODIPHENYLAMINE 57) 1.2 DIPHENYLHYDRAZINE 59) 4-BROMOPHENYLPHENYL ETHER 60) HEXACHLOROBENZENE 61) PENTACHLOROBENZENE 61) PENTACHLOROPHENOL CCC 62) PHENANTHRENE 63) ANTHRACENE 64) CARBAZOLE 65) DI-N-BUTYLPHTHALATE 66) FLUORANTHENE CCC 68) BENZIDINE 69) PYRENE 71) EUTYL BENZYL DIFFULLATE	10.87	166 138 198 168	66585 6255m 0	1.33 PPB 0.60 PPB N.D.	
59) 4-BROMOPHENYLPHENYL ETHER 60) HEXACHLOROBENZENE 61) PENTACHLOROBENZENE	11.05 11.45 11.64	77 248 284	29438 77417 14885 14901	1.11 PPB 1.11 PPB 1.18 PPB	# 97 88 94
62) PHENANTHRENE 63) ANTHRACENE 64) CARBAZOLE	$11.91 \\ 12.02 \\ 12.08$	266 178 178	1216 79901 82710	1.14 PPB 0.18 PPB 1.20 PPB	# 99 # 72 96
65) DI-N-BUTYLPHTHALATE 66) FLUORANTHENE CCC 68) BENZIDING	12.32 12.75 13.60	167 149 202	73793 140295	1.20 PPB 1.01 PPB 1.17 PPB	99 99 99
		184 202	75919 0 76702m	1.12 PPB N.D. 1.19 PPB	98
73) BENZO(A)ANTHRACENE 74) CHRYSENE	16.40 16.16	$149 \\ 149 \\ 228 \\$	52866 78545 52466	1.12 PPB N.D. 1.19 PPB 1.04 PPB 1.13 PPB 0.98 PPB 1.23 PPB N D	98 98
77) DI-N-OCTYL PHTHALATE CCC	16.25 0.00 17.86				98 98
 79) BENZO(K) FLOURANTHENE 79) BENZO(K) FLUORANTHENE 80) BENZO(A) PYRENE CCC 81) DIBENZO(A) UNIVERSITY 	18.69 18.75 19.46	252 252 252	32557m 56409m	1.03 PPB 0.74 PPB 1.32 PPB	
 78) BENZO(B)FLOURANTHENE 79) BENZO(K)FLUORANTHENE 80) BENZO(A)PYRENE CCC 81) DIBENZO(A,H)ANTHRACENE 82) INDENO(1,2.3-CD)PYRENE 83) BENZO(G,H,I)PERYLENE 	22.42 22.34 22.82	278 276 276	21314m 23902m	1.24 PPB 0.75 PPB 0.73 PPB	
(#) = qualifier out of range (m)		908 F G	2/981m	0.93 PPB	n naan waar alays jalaa waxa waxa

Àcq On : Operator :	12 Jan 2009 10:52 am J. Aquilina bna std 1 ppb s08-2
Quant Title QLast Update	Jan 13 09:34:18 2009 : 9 : Tue Dec 02 11:28:49 2008 9 : Initial Calibration

Abundance

Abundance				TIC: 01120903.0)			
8500000								
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7500000			ENYL SURF					
7000000			2-FLUOROBIPHENYL SURR.,S					
6500000			11-2	(2)				
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5500000		eds SURR.	NE-d10 INT	RPHENYL-				
5000000		NITROBENZENE-d5 SURR.,S LE-d8 INT. STD.,I	ACENAPHTHENE-d10 INT. STD.,I	μ				
4500000	SURR.S STD.J	NAPHTHALENE-d8 INT. STD.,I	ACENAPI L SURR.,S PHENANTHRENE-d10 INT. STD.,J					
4000000	URR.,S PHENOL-d6 VE-d4 INT. S	NAPH	JRR.,S					
3500000	2-FLUOROPHENOL SURR.,S MERNOL - CCC.T PHENOL		HE NOL SL		h.0			
3000000	2-FLUORC	n Andrewski (1997) (1998) Andrewski (1998) V Andrewski (1998) V Andrewski (1998) V Andrewski (1998)	2.4.6 TRIBROMOPHENOL SURR.S	A A THE PARA PRODUCTION AND	112 INT. STI			
2500000	2-FLUOROPHENOL SURR.,S MEOROETHYLJETHER. T		2,4,6	and the second	CHRYSENE-d12 INT. STD.,I			
2000000	CORDENZER LOROBENZER AILLESPCC.T	HANE, T HELE, T CCC, T F, CCC, T	FTHER, т ГНЕR, т Г	Garder Barbar Harbert		ۇسى <u>.</u>	INT. STD.,I	
1500000 1000000 500000	CSOLARORDENCE ONLOROETH	SIGNEYOR ONE TO THE CHARGENET HAVE, BENERATION DEPENDENCY METHANE, BENERATION DEPENDENCE TE T 4 APENACHARGEN DEPENDENCE CC, T 4 EMAETHARGEN FITHALLERREAF CC, T 2 2 2 5 7 7 1 6 4 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PUNERONNUME TO THE COLOR ACENTRICATION AND TO THE COLOR ACENTRICATION AND THE COLOR ACENTRICATION AND AND AND AND AND AND AND AND AND AN	ALATE, T DCC,T	BUIYLBENZYLPHTHALATE, T BENZANNHRACENE, T BISZZETHYLHEXYL)PHTHALATE, T	DI-N-OCTYL PHTHALATE CCC,T ENZB(R)FLOBRANTHENE, T	BENZO(A)PYRENEERERE-d12 INT. ST	ROYENE, T NE, T
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500000	252 252	4969 4960 4960 4960 4964 4964	2-2-BER 2-2-BER 1-2-2-BER 1-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2	DI-N-BUT FLUORANT PYRENE, T	BIS(Z)	DI-N-OC	BENZO(A)	BENZO(G.F
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Data Path : C:\MSDCHEM\1\DATA\ Data File : 01120905.D Acq On : 12 Jan 2009 11:58 Operator : J. Aquilina Sample : bna qc std 30 ppb Misc : ALS Vial : 6 Sample Multipl	JAN09∖011 am cc08-2 ier: 1	209		
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 19) NAPHTHALENE-d8 INT. STD. 35) ACENAPHTHENE-d10 INT. STT 54) PHENANTHRENE-d10 INT. STD 67) CHRYSENE-d12 INT. STD. 75) PERYLENE-d12 INT. STD. 	VT 6.66 8.13). 10.24). 12.00 16.22 19.54	150 1339181 136 2633470 162 1211187 188 1743475 240 1693895 264 1142800	40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB	-0.05 -0.05 -0.03 -0.03 -0.05 -0.05 -0.05
 4) 2-FLUOROPHENOL SURR. 5) PHENOL-d6 SURR. 20) NITROBENZENE-d5 SURR. 39) 2-FLUOROBIPHENYL SURR. 58) 2.4.6 TRIBROMOPHENOL SURR 70) TERPHENYL-d14 SURR. 	5.34 6.35 7.33 9.43 .11.20 14.22	112 2922095 99 3222976 82 2574892 172 3691906 330 496012 244 3292088	99.18 PPB 95.71 PPB 105.64 PPB 103.97 PPB 100.71 PPB 97 31 PPP	-0.10 -0.08 -0.04 -0.04 -0.05
<pre>Target Compounds 2) N-NITROSODIMETHYLAMINE 3) PYRIDINE 6) PHENOL CCC 7) aniline 8) BIS(2-CHLOROETHYL)ETHER 9) 2-CHLOROPHENOL 10) 1.3 DICHLOROBENZENE 11) 1.4 DICHLOROBENZENE 11) 1.4 DICHLOROBENZENE 12) benzyl alcohol 13) 1.2-DICHLOROBENZENE 14) 2-METHYLPHENOL 15) BIS(2-CHLOROISOPROPYL)ETHE 16) 4-METHYLPHENOL 17) N-NITROSO-DI-N-PROPYLAMINE 18) HEXACHLOROETHANE 21) NITROBENZENE 22) ISOPHORONE 23) 2.4 DIMETHYLPHENOL 24) Benzoic Acid 25) 2-NITROPHENOL 26) BIS(2-CHLOROETHOXY)METHANE 21) ACHLOROPHENOL 26) BIS(2-CHLOROETHOXY)METHANE 21) NITROBENZENE 22) ISOPHORONE 23) 2.4 DICHLOROPHENOL 24) Benzoic Acid 25) 2-NITROPHENOL 26) BIS(2-CHLOROETHOXY)METHANE 21) ACHLOROANILINE 30) 4-CHLOROANILINE 31) HEXACHLOROBUTADIENE CCC 32) 4-CHLORO-3-METHYLPHENOL CC 33) 2-METHYLNAPHTHALENE 34) 2-NITROANILINE 36) HEXACHLOROCYCLOPENTADIENE 37) 2.4.6-TRICHLOROPHENOL CCC 38) 2.4.5 TRICHLOROPHENOL CCC 38) 2.4.5 TRICHLOROPHENOL 40) 2-CHLORONAPHTHALENE 41) DIMETHYLPHTHALATE 42) 2.6 DINITROTOLUENE 43) ACENAPHTHYLENE 44) 3-NITROANILINE 35) ACENAPHTHYLENE 44) 3-NITROANILINE 36) HEXACHLOROCYCLOPENTADIENE 37) 2.4 DINITROTOLUENE 37) 2.4 DINITROTOLUENE 39) ACENAPHTHYLENE 39) ACENAPHTHYLENE</pre>	3.89 3.88 6.37 6.34 6.48 6.48 6.61 6.67 6.85 6.89 7.01 7.00	74 619106 79 1042588 94 1134567 93 628957 93 1057925 128 863368 146 875511 146 847211 79 825997 146 842375 108 762587 45 1136943	30.37 PPB 28.57 PPB 29.93 PPB 29.34 PPB 26.10 PPB 28.42 PPB 28.11 PPB 27.83 PPB 33.20 PPB 27.31 PPB 28.36 PPB 28.09 PPP	Qvalue 96 95 # 71 98 91 99 97 97 97 95 98 # 62

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	2		report	(No Status)	
Data Path : C:\MSDCHEM\1\DATA\J Data File : 01120905.D Acq On : 12 Jan 2009 11:58 Operator : J. Aquilina Sample : bna qc std 30 ppb c Misc : ALS Vial : 6 Sample Multiplic	AN09\01. am c08-2	1209\			
Quant Time: Jan 13 09:34:22 2009 Quant Title : QLast Update : Tue Dec 02 11:28 Response via : Initial Calibrati	9 :49 2008 lon				
Internal Standards 52) FLUORENE	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards 52) FLUORENE 53) 4-NITROANILINE 55) 4.6-DINITRO-2-METHYLPHENOL 56) N-NITROSODIPHENYLAMINE 57) 1.2 DIPHENYLHYDRAZINE 59) 4-BROMOPHENYLPHENYL ETHER 60) HEXACHLOROBENZENE 61) PENTACHLOROPHENOL CCC 62) PHENANTHRENE 63) ANTHRACENE 64) CARBAZOLE 65) DI-N-BUTYLPHTHALATE 66) FLUORANTHENE CCC 68) BENZIDINE 69) PYRENE 71) BUTYLBENZYLPHTHALATE 72) BIS(2-ETHYLHEXYL)PHTHALATE 73) BENZO(A)ANTHRACENE 74) CHRYSENE 76) 3.3'-DICHLOROBENZIDINE 77) DI-N-OCTYL PHTHALATE CCC 78) BENZO(B)FLOURANTHENE 79) BENZO(A)PYRENE CCC 81) DIBENZO(A.H)ANTHRACENE 82) INDENO(1.2,3-CD)PYRENE 83) BENZO(G.H.I)PERYLENE	10.97 11.02 11.03 11.05 11.45 11.64 11.87 12.02 12.08 12.28 12.28 12.76 13.59 0.00 13.93 15.13 16.42 16.17 16.27	138 198 168 77 248 284 266 178 167 149 202 184 202 149 149 228	309855 243827 598246 1767627 314029 324386 187799 1717115 1783479 1857907m 3032857 1702100 0 1693310 1427032 1864608 1537350	29:23 PPB 33.78 PPB 32.89 PPB 25.67 PPB 28.87 PPB 28.09 PPB 31.01 PPB 29.18 PPB 29.29 PPB 28.74 PPB 30.22 PPB	97 # 79 # 22 # 99 94 94 # 100 95 100 99 99 98 99 98 97 99
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	Quantitat	ion Report			
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M	isc : LS Vial : 6 Sample Multiplier: 1				
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Data Path : C:\MSDCHEM\1\DATA\JA Data File : 01120906.D Acq On : 12 Jan 2009 12:31 pr Operator : J. Aquilina Sample : bz std 30 ppb s08-2 Misc : ALS Vial : 7 Sample Multiplier	n	209			
Quant Time: Jan 13 09:34:24 2009 Quant Title : QLast Update : Tue Dec 02 11:28:4 Response via : Initial Calibratic	9 2008 M				
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 1.4-DICHLOROBENZENE-d4 INT 2. NAPHTHALENE-d8 INT. STD. 4.) ACENAPHTHENE-d10 INT. STD. 6.) PHENANTHRENE-d10 INT. STD. 7.) CHRYSENE-d12 INT. STD. 10.) PERYLENE-d12 INT. STD. 	6,65 8,12 10,22 12,00	150 136 162 188	1180163 2669730 1347114 1926616	40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB	-0.09 -0.09 -0.09
System Monitoring Compounds 3) NITROBENZENE-d5 SURR. 5) 2-FLUOROBIPHENYL SURR. 9) TERPHENYL-d14 SURR.	7.32	82	2363402	103.37 PPB	-0 09
Tardet Compounda	10.00				Ovalue

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4000000	NAP	JENAPHTHE			
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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 -0.08 4) ACENAPHTHENE-d10 INT. STD. 10.23 162 1302942 40.00 PPB -0.08 6) PHENANTHENE-d10 INT. STD. 16.21 240 1678510 40.00 PPB -0.07 7) CHRYSENE-d12 INT. STD. 16.21 240 1678510 40.00 PPB -0.07 10) PERYLENE-d12 INT. STD. 19.53 264 1114909 40.00 PFB -0.10 10) PERYLENE-d12 INT. STD. 19.53 264 1114909 40.00 PFB -0.11 System Monitoring Compounds 3) NITROBENZENE-d5 SURR. 7.32 82 2415731 103.27 PPB -0.09 3) NITROBENZENE-d5 SURR. 7.32 82 2415731 103.27 PPB -0.09 -0.09 5) 2-FLUOROBIPHENYL SURR. 9.43 172 3845173 100.73 FPB -0.09 -0.09 7) TERPHENYL-d14 SURR. 14.21 244 316974	-		–	r.opor c	(NU 518	ເນຣາ		
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1) 1.4-DICHLOROBENZENE-d4 INT 6.66 150 1215710 40.00 PPB -0.03 2) NAPHTHALENE-d8 INT. STD. 8.13 136 2731565 40.00 PPB -0.03 4) ACENAPHTHENE-d10 INT. STD. 10.23 162 1302942 40.00 PPB -0.03 6) PHENANTHRENE-d10 INT. STD. 12.00 188 1946282 40.00 PPB -0.03 7) CHRYSENE-d12 INT. STD. 16.21 240 1678510 40.00 PPB -0.07 10) PERYLENE-d12 INT. STD. 19.53 264 1114909 40.00 PPB -0.10 10) PERYLENE-d12 INT. STD. 19.53 264 1114909 40.00 PPB -0.01 System Monitoring Compounds 3) NITROBENZENE-d5 SURR. 7.32 82 2415731 103.27 PPB -0.09 9) TERPHENYL-d14 SURR. 9.43 172 3845173 100.73 PPB -0.09 9) TERPHENYL-d14 SURR. 14.21 244 3169741 90.28 PPB -0.09	Internal Standards	R.T.	QIon	Response	Conc U	nits	Dev(Min)	
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Target Compounds	3) NIIROBENZENE-d5 SURR. 5) 2-FLUOROBIPHENYL SURR. 9) TERPHENYL-d14 SURR.	7.32 9.43 14.21	82 172 244	2415731 3845173	103.27 100.73	PPB PPB	-0.09	
C) BENZIDINE 13.83 184 251647 7.55 PPB 94 11) 3.3'-DICHLOROBENZIDINE 16.19 252 139852 8.25 PPB 99	8) BENZIDINE	13,83 16.19	184 252	0E17.00			Qvalue	

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Abundance		arrou			
8000000			TIC: 01120907.[)	
7500000		RR, S			
7000000		2-FEUOROBIPHENYL SURR.,S			
6500000		2-FLUOROBI			
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5500000			14 SUP		
		Ĺ,ŪŢ	41-d1		
5000000	FROBENZENE-d5 SURRS NAPHTHALENE-d8 INT. STO.,F	ACENAPHTHENE-d10 INT. STD., J VT. STD., J	TERPHENYL-d14 SURR.S		
******* *	SURR B INT.	E-d10	Ш Н		
4500000	RENE 45	THEN	i		
	OBENZENE-d5 SURRS	ENAPH STD.,I			
4000000	NITROB	ACENAPH PHENANTHRENE-d10 INT. STD.,	91 - V A A		
	L. N	e e e e e e e e e e e e e e e e e e e			
3500000	1.4-DICHLOROBENZENE-d4 INT. STD.,	ТНКЕ			
r	NE-04	fenan	-	ā	
3000000	ENZEI	ά.	LO LA	ō 	
	OROB	and bit is a second	3.3-DICHLOROBENZEMMERS		
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		WWW BAA INTE			PERVLENE-d12 INT. STD.,I
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120108 M The	Top 10 bb at a		4.00 15.00 16.00	17.00 18.00 19.00	Page 197 20.00 21.00 22.00 23.00 24.00 25.00

Data Path : C:\MSDCHEM\1\DATA\JA Data File : 01120908.D Acq On : 12 Jan 2009 1:42 p Operator : J. Aquilina Sample : bz qc std 30 ppb cc0 Misc : ALS Vial : 9 Sample Multiplie	⊃m)8-2	.209∖	×	(in oracles)		
Quant Time: Jan 13 09:34:26 2009 Quant Title : QLast Update : Tue Dec 02 11:28: Response via : Initial Calibrati						
Internal Standards	R.T.	QIon	Response	Conc Units	Dov/Min)	
 1) 1, 4-DICHLOROBENZENE-d4 INT 2) NAPHTHALENE-d8 INT: STD. 4) ACENAPHTHENE-d10 INT: STD. 6) PHENANTHRENE-d10 INT: STD. 7) CHRYSENE-d12 INT: STD. 10) PERYLENE-d12 INT: STD. 	6.65 8.12 10.23 12.00	150 136 162 188	1132773 2471402 1243836 1792593	40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB	-0.09 -0.09 -0.08 -0.07 -0.11	
>) TERMIL-UI4 SURR.	7.33 9.42 14.21	112	3200608		~0.09	
Target Compounds 8) BENZIDINE 11) 3.3'-DICHLOROBENZIDINE	13.80 16.18	184 252	00001c	31.58 PPB 27.22 PPB	Qvalue 95 99	
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

		Quantitatio	n Report (No. (
Data Path Data File Acq On Operator Sample	, J. Adullina	TA\JAN09\011209 :42 pm		Status)	
Misc	bz qc std 30 pp				
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QLast Unda	e: Jan 13 09:34:26 le : ate : Tue Dec 02 1: /ia : Initial Calif	4			
Abundance 7500000			TIC: 01120908.D		
7000000					
6500000		NYL SURR, S			
6000000		2-FLUOROBIPHENYL SURR .S			
5500000		L X	s. s		
5000000		NT. STD.,	TERPHENYL-d14 SURR.,S		
4500000	IS SURRS INT. STD.,I	ACENAPHTHENE-d10 INT. STD.,I			
4000000	TD.,İ NITROBENZENE-d5 SURR.,S NAPHTHALENE-d8 INT. STD.,İ	ACENAP STD.,I			
3500000	.INT. STD., ^j NITR NAPH	ENE-410 INT			
3000000	1,4-DICHLOROBENZENE-d4 INT. STD., NI	AC PHENANTHRENE-410 INT. STD.,I	l, GTD, I		
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2000000			ENZIDINE, G	ſ.c	
1500000			ZIDINE, T 3.3-DICHLOROBENZIDINE, GHRYSENE-412 INT. STD.,I	PERVLENE-d12 INT. STD.,J	
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		Quantitation	Report			
Acq Or Operat Sample Misc	Path : C:\MSDCHEM\1\DATA\ File : 01120909.D n : 12 Jan 2009 2:16 tor : J. Aquilina > : bn method blank-so: : ial : 10 Sample Multipl	JAN09\011209\ pm il		(NU Status)		
	Sample Multip	lier: 1				
QLast	Time: Jan 13 09:34:27 200 Title : Update : Tue Dec 02 11:28 se via : Initial Calibrat					
Inter	nal Standards	RT OTon	Regnonad	Constitution		
1) 19) 35) 54) 67) 75) 1	NAPHTHALENE-d8 INT. STD. ACENAPHTHENE-d10 INT. STD PHENANTHRENE-d10 INT. STD CHRYSENE-d12 INT. STD. PERYLENE-d12 INT. STD.	T 6.66 150 8.12 136 10.23 162 11.99 188 16.21 240 19.54 264	1001068 2471944 1230622 1756644 1687576 989887	40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB	Dev(Min) -0.05 -0.05 -0.04 -0.04 -0.04 -0.06	
Syster 4) 2 5) F 20) N 39) 2 58) 2 70) T	n Monitoring Compounds 2-FLUOROPHENOL SURR, PHENOL-d6 SURR, UITROBENZENE-d5 SURR, 2-FLUOROBIPHENYL SURR, 3.4.6 TRIBROMOPHENOL SURR, ERPHENYL-d14 SURR, Compounds	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	909 261 1969524 3312726 0 2966629	0.04 PPB 0.01 PPB 86.09 PPB 91.82 PPB 0.00 PPB 88.02 PPB	~0.07 0.07 0.05 ~0.05 ~0.05	
Target	Compounds					
<pre>9) 2- 10) 1 11) 1, 12) be 13) 1, 14) 2- 15) BI 16) 4- 17) N- 18) HE 21) NI 22) IS 23) 2, 24) Be 25) 2- 26) BI 27) 2, 28) 1, 26) BI 27) 2, 28) 1, 29) NAH 30) 4-(31) HE 32) 4-(33) 2-M 34) 2-N 36) HEX 37) 2,4 38) 2,24 40) 2-C 41) DIM 42) 2,6 41) 2,6</pre>	METHYLPHENOL METHYLPHENOL NITROSO-DI-N-PROPYLAMINE XACHLOROETHANE TROBENZENE OPHORONE 4 DIMETHYLPHENOL nzoic Acid NITROPHENOL S(2-CHLOROETHOXY)METHANE 4 DICHLOROPHENOL CCC 2,4 TRICHLOROBENZENE PHTHALENE CHLOROANILINE XACHLOROBUTADIENE CCC HETHYLNAPHTHALENE ITROANILINE XACHLOROCYCLOPENTADIENE ,6-TRICHLOROPHENOL CCC .5 TRICHLOROPHENOL CCC .5 TRICHLOROPHENOL ETHYLPHTHALENE ETHYLPHTHALENE ETHYLPHTHALENE ETHYLPHTHALENE ITROANILINE NAPHTHYLENE ITROANILINE NAPHTHENE CCC -DINITROPHENOL SPCC	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	928 444 193 0 0 3504 2292 0	N.D. N.D. N.D. N.D. N.D. N.D. N.D.	38	
DIEJ	DINIIKOTOLUENE 1	0,00 168 .0.50 165 .0.82 149 0.00 204	0 856 187	N.D. N.D. N.D.		Page
	ue Jan 13 09:34:27 2009 τ		0	N.D.		rage

120108.M Tue Jan 13 09:34:27 2009 J

Data Path : C:\MSDCHEM\1\DATA\JAM Data File : 01120909.D Acq On : 12 Jan 2009 2:16 pr Operator : J. Aquilina Sample : bn method blank-soil Misc : ALS Vial : 10 Sample Multiplie	n	209\			
Quant Time: Jan 13 09:34:27 2009 Quant Title : QLast Update : Tue Dec 02 11:28:4 Response via : Initial Calibratic	19 2008)n				
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
 52) FLUORENE 53) 4-NITROANILINE 55) 4.6-DINITRO-2-METHYLPHENOL 56) N-NITROSODIPHENYLAMINE 57) 1.2 DIPHENYLHYDRAZINE 59) 4-BROMOPHENYLPHENYL ETHER 60) HEXACHLOROBENZENE 61) PENTACHLOROPHENOL CCC 62) PHENANTHRENE 63) ANTHRACENE 64) CARBAZOLE 65) DI-N-BUTYLPHTHALATE 66) FLUORANTHENE CCC 68) BENZIDINE 69) PYRENE 71) BUTYLBENZYLPHTHALATE 73) BENZO(A) ANTHRACENE 74) CHRYSENE 76) 3.3'-DICHLOROBENZIDINE 77) DI-N-OCTYL PHTHALATE CCC 78) BENZO(B) FLOURANTHENE 79) BENZO(K) FLUORANTHENE 80) BENZO(A) APYRENE CCC 81) DIBENZO(A, H) ANTHRACENE 82) INDENO(1.2.3-CD) PYRENE 83) BENZO(G, H, I) PERYLENE 	$\begin{array}{c} 0.00\\ 0.00\\ 0.00\\ 0.00\\ 10.89\\ 0.00\\ 0.00\\ 11.99\\ 11.99\\ 0.00\\ 12.76\\ 0.00\\ 0.00\\ 0.00\\ 15.14 \end{array}$	166 138 198 168 77 248 266 178 167 149 202 184 202 149 202 149	0 0 0 649 0 0 869 869 0 1503 0 1503 0 0 1288	N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D.	95
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\MSDChem\1\DATA\ja Data File : 01120909.D Acq On : 12 Jan 2009 2:16 pr Operator : J. Aquilina Sample : bn method blank-soil Misc : ALS Vial : 10 Sample Multiplie Quant Time: Jan 13 09:30:13 2009 Quant Title :	m	209bz	λ		
QLast Update : Thu Nov 13 09:14.2	2 2008				
Response via : Initial Calibratio	on 2000				
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
 1, 4-DICHLOROBENZENE-d4 INT 2) NAPHTHALENE-d8 INT. STD. 4) ACENAPHTHENE-d10 INT. STD. 6) PHENANTHRENE-d10 INT. STD. 7) CHRYSENE-d12 INT. STD. 10) PERYLENE-d12 INT. STD. System Monitoring Compounds 3) NITROBENZENE-d5 SURR. 	6.66 8.12 10.23 11.99 16.21 19.54	150 136 162 188 240 264	1001213 2471944 1226295 1750018 1687576 1146645	40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB	-0.08 -0.09 -0.08 -0.08 -0.11 -0.10
	- 41	112	3324423	02 52 nnn	0 00
9) TERPHENYL-d14 SURR.	14.21	244	2966629	84.04 PPB	-0.10
Target Compounds					A N
8) BENZIDINE	0.00	184	0	N.D.	Qvalue
11) 3,3'-DICHLOROBENZIDINE	0.00	252	Õ	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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		Quantitation	Report (No Stati	us)	
Data File Acq On	: C:\MSDCHEM\1\DAT. : 01120909.D : 12 Jan 2009 2::	16 nm			
Operator Sample	: J. Aquilina : bn method blank-:	soil			
Misc ALS Vial	: : 10 Sample Mult.	íplier: 1			
Quant Title QLast Updat	te : Tue Dec 02 11	:28:49 2008			
Response V:	ia : Initial Calib	ration			
Abundance 7000000			TIC: 01120909.D		
6500000					
600000		2-FLUOROBIPHENYL SURRS			
5500000		2-FLUOROBI			
5000000		NT. STD.,	TERPHENYL-d14 SURR.,S		
4500000	R.S STD.J	ACENAPHTHENE-dto INT. STDI STD!	TERPHENY		
4000000	., ¹ NITROBENZENE;母S SURR.,S Beredit 将山底和E-d8 INT. STD.,I	ACENAPI			
3500000		ACENA PHENANTHRENE-d10 INT. STD.,I			
3000000	1.4-DICHLOROBENZENE-d4 INT. STD.,I	PHERA	5TD.,I		
2500000	DICHLOROBE		CHRYSENE-412 INT. STD.,I		
2000000			CHRYSI	L. OT	
1500000			ALATE, T	PERYLENE-d12 INT. STD.,I	
1000000	01		BIS(2-ETHYLHEXYL)PHITHALATE, T	PERYLE	
500000	benzyi alcoho		BIS(2-ETHYL		
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Time> 4.00 5	.00 6.00 7.00 8.00 9.00	10.00 11.00 12.00 13.0	0 14.00 15.00 16.00 17.00 18	8.00 19.00 20.00 21.00 22	.00 23 00 24 00 25 00

	Quantit	ation	Report	(No Status)	
Data Path : C:\MSDCHEM\1\DATA\J, Data File : 01120910.D Acg On : 12 Jan 2000 o sc	AN09\01	1209\		. <u></u>	
Sample : bn ms-soil+30+50 cc(Misc	08-3				
ALS Vial : 11 Sample Multipli	ier: 1				
Quant Time: Jan 13 09:34:29 2009 Quant Title : Mast Undate : Tur D					
DLast Update : Tue Dec 02 11:28: Response via : Initial Calibrati	on				
Internal Standards	R.T.	QIon	Response	⊖ Conc Units	Dev(Min)
 19) NAPHTHALENE-d8 INT. STD. 35) ACENAPHTHENE-d10 INT. STD. 54) PHENANTHRENE-d10 INT. STD. 67) CHRYSENE-d12 INT. STD. 75) PERYLENE-d12 INT. STD. 	8.13 10.23 12.00 16.22 19.54	- 136 162 188 240	1210346 2629566 1279154 1823546 1843922 1250000	40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB	0.06 0.04 0.04 0.04 0.04 0.05
System Monitoring Compounds 4) 2-FLUOROPHENOI SUPP					-0.00
System Monitoring Compounds 4) 2-FLUOROPHENOL SURR. 5) PHENOL-d6 SURR. 20) NITROBENZENE-d5 SURR. 39) 2-FLUOROBIPHENYL SURR. 58) 2,4,6 TRIBROMOPHENOL SURR. 70) TERPHENYL-d14 SURR. Farget Compounds	0.00 6.43 7.33 9.43 0.00	112 99 82 172 330	0 254 2132979 3470021 0	0.00 PPB 0.01 PPB 87.64 PPB 92.53 PPB 0.00 PPB	0.00 ~0.04 ~0.04
Farget Compounds	14.22	244	3176032	86.24 PPB	-0.04
<pre>Farget Compounds 2) N-NITROSODIMETHYLAMINE 3) PYRIDINE 6) PHENOL CCC 7) aniline 8) BIS(2-CHLOROETHYL)ETHER 9) 2-CHLOROPHENOL 10) 1.3 DICHLOROBENZENE 11) 1.4 DICHLOROBENZENE 11) 1.4 DICHLOROBENZENE 12) benzyl alcohol 13) 1.2-DICHLOROBENZENE 14) 2-METHYLPHENOL 15) BIS(2-CHLOROISOPROPYL)ETHE 16) 4-METHYLPHENOL 17) N-NITROSO-DI-N-PROPYLAMINE 18) HEXACHLOROETHANE 21) NITROBENZENE</pre>	3.90 3.85 6.24	74 79 94	496407 565660 0	26.76 PPB 17.04 PPB	Qvalue 94 93
 8) BIS(2-CHLOROETHYL)ETHER 9) 2-CHLOROPHENOL 10) 1.3 DICHLOROBENZENE 	6.34 6.40 0.00 6.62	93 93 128 146	897688 1011405 0 759075	46.03 PPB 27.42 PPB N.D.	# 37 98
11) 1.4 DICHLOROBENZENE CCC 12) benzyl alcohol 13) 1.2-DICHLOROBENZENE 14) 2-METHYLPHENOL	6.67 6.86 6.88	146 79 146	709475 716102 716516	25.61 PPB 31.63 PPB 25.53 PPB	98 97 98 98
15) BIS(2-CHLOROISOPROPYL)ETHE 16) 4-METHYLPHENOL	7.01	45 107	1069886	N.D. 29.05 PPB	# 94
17) N-NITROSO-DI-N-PROPYLAMINE 18) HEXACHLOROETHANE 21) NITROBENZENE	7.17 7.23 7.34	43 117 77	897 453711 329203 729046	N.D. 27.72 PPB 26.48 PPB	92 98
 18) HEXACHLOROETHANE 21) NITROBENZENE 22) ISOPHORONE 23) 2.4 DIMETHYLPHENOL 24) Benzoic Acid 25) 2-NITROPHENOL 26) BIS(2-CHLOROETHOXY)METHANE 27) 2.4 DICHLOROPHENOL CCC 38) 1.2.4 TRICHLOROBENZENE 39) NAPHTHALENE 	7.60 7.81 7.97	82 107 105	1684247 1275 1303	26.74 PPB 24.64 PPB N.D. N.D.	95 100
 BIS(2-CHLOROETHOXY)METHANE 2,4 DICHLOROPHENOL CCC 1,2,4 TRICHLOROBENZENE 	7.85 0.00 8.08	139 93 162	806 1065448 0	N.D. 28.17 PPB	
 19) NAPHTHALENE 0) 4-CHLOROANILINE 1) HEXACHLOROBUTADIENE CCC 2) 4-CHLORO-3-METHYLPHENOL CC 3) 2-METHYLNAPHTHALENE 	8.15 8.25 8.36	128	1970057	25.90 PPB 27.97 PPB 36.39 PPB 24.73 PPB	99 99 98
3) 2-METHYLNAPHTHALENE 4) 2-NITROANILINE 6) HEYACHLOPOCYCLOPENTRE	8.75 8.96	107 142 :	179 L623013	N.D. 33.06 PPB	100
6) HEXACHLOROCYCLOPENTADIENE 7) 2.4.6-TRICHLOROPHENOL CCC 8) 2.4.5 TRICHLOROPHENOL	9.72 9.23 9.38 9.38	138 237 196 196	655072 162624 178	27.97 PPB 36.39 PPB 24.73 PPB N.D. 33.06 PPB 37.34 PPB 24.53 PPB N.D.	95 98
2) 2-CHLORONAPHTHALENE 1) DIMETHYLPHTHALATE 2) 2.6 DINITROTOLUENE 1) ACENAPHTHYLENE	9.54 1 9.96 1 0.05 1	L62 1 L63 1 L65	295382 685196 365891	N.D. 27.60 PPB 27.55 PPB 26.77 PPR	98 98 96
3) 2-MEIHYLNAPHTHALENE 4) 2-NITROANILINE 6) HEXACHLOROCYCLOPENTADIENE 6) HEXACHLOROCYCLOPENTADIENE 6) HEXACHLOROCYCLOPENTADIENE 6) 2.4.5 TRICHLOROPHENOL CCC 8) 2.4.5 TRICHLOROPHENOL 0) 2-CHLORONAPHTHALENE 1) DIMETHYLPHTHALATE 2) 2.6 DINITROTOLUENE 3) ACENAPHTHYLENE 4) 3-NITROANILINE 5) ACENAPHTHENE CCC 6) 2.4-DINITROPHENOL SPCC 7) 4-NITROPHENOL SPCC 1) DIBENZOFURAN 1) 2.4 DINITROTOLUENE 1) 2.4 DINITROTOLUENE 1) DIETHYLPHTHLATE 1) DIETHYLPHTHLATE 1) 4-CHLOROPHENYLPHENYL ETHER 08.M Tue Jan 13 09:34:29 2009	0.05 1 9.72 0.28 1 0.00 1	.52 1 65 .53 1 84	907828 527353 310676 0	24.53 PPB N.D. N.D. 27.60 PPB 27.55 PPB 26.77 PPB 26.61 PPB 37.39 PPB 29.30 PPB N.D. N.D. 32 43 PPB	99 97 92 100
) DIBENZOFURAN 1 1) 2.4 DINITROTOLUENE 1 1) DIETHYLPHTHLATE 1	0.56 0.46 1 0.52 1	65 68 2 65	0 075311 567697	N.D. 32.43 PPB 30.38 PPB	83 95

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Data Path : C:\MSDCHEM\1\DATA\J. Data File : 01120910.D Acq On : 12 Jan 2009 2:51 P Operator : J. Aquilina Sample : bn ms-soil+30+50 ccc Misc : ALS Vial : 11 Sample Multipli	AN09\01; pm)8-3 ler: 1	1209	vebort	(No Status)	
Quant Time: Jan 13 09:34:29 2009 Quant Title : QLast Update : Tue Dec 02 11:28: Response via : Initial Calibrati	49 2008 on				
Internal Standards 52) FLUORENE	R.T.	QIon	Response	Conc Units	Dev(Min)
 53) 4-NITROANILINE 55) 4.6-DINITRO-2-METHYLPHENOL 56) N-NITROSODIPHENYLAMINE 57) 1.2 DIPHENYLHYDRAZINE 59) 4-BROMOPHENYLPHENYL ETHER 60) HEXACHLOROBENZENE 61) PENTACHLOROPHENOL CCC 62) PHENANTHRENE 63) ANTHRACENE 64) CARBAZOLE 65) DI-N-BUTYLPHTHALATE 66) FLUORANTHENE CCC 68) BENZIDINE 69) PYRENE 71) BUTYLBENZYLPHTHALATE 72) BIS(2-ETHYLHEXYL)PHTHALATE 73) BENZO(A)ANTHRACENE 	10.97 0.00 11.02 11.06 11.45 11.64 0.00 12.03 12.09 12.28 12.76 13.59 13.80 13.93 15.13 16.43 16.18	138 198 168 77 248 284 266 178 167 149 202 184 202 149 202 149	420687 0 584643 1732721 319539 332941 0 1773899 1959096 1996720 3071026 1811750 904079 1853133 1468817 1944083	28.12 PPB 43.42 PPB N.D. 23.98 PPB 27.06 PPB 27.55 PPB N.D. 28.82 PPB 30.76 PPB 29.53 PPB 29.53 PPB 27.82 PPB 28.94 PPB 28.94 PPB No Calib 27.79 PPB 28.07 PPB 28.07 PPB 27.08 PPB	97 88 # 94 88 93 # 100 100 99 97 99 98 98 98 98 98
 81) DIBENZO(A.H)ANTHRACENE 82) INDENO(1.2.3-CD)PYRENE 83) BENZO(G.H.I)PERYLENE 	22.02 21.99 22.53	278 276 276	948588m 1082469 1025623m	28.28 PPB 27.50 PPB 27.26 PPB 28 14 PPP	93 96
(#) = =====	m, ander semila above senast dever passe. New			99.14 FFD	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

(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-d4INT6.65150118210740.00PPB2)NAPHTHALENE-d8INT.STD.8.13136262956640.00PPB4)ACENAPHTHENE-d10INT.STD.10.23162127915440.00PPB6)PHENANTHRENE-d10INT.STD.12.00188182354640.00PPB7)CHRYSENE-d12INT.STD.16.22240184313940.00PPB10)PERYLENE-d12INT.STD.19.54264137789340.00PPB -0.09-0.08 -0.08 -0.07 -0.09 -0.10System Monitoring Compounds 3) NITROBENZENE-d5 SURR.7.3382213072994.62PPB5) 2-FLUOROBIPHENYL SURR.9.43172347002192.60PPB9) TERPHENYL-d14 SURR.14.22244317603282.38PPB -0.08 -0.09 -0.09 Target Compounds 8) BENZIDINE13.8018490407924.69PPB11) 3,3'-DICHLOROBENZIDINE16.1825264090230.58PPB Qvalue 95 _____

(#) = qualifier out of range (m) = manual integration (+) = signals summed BZ111208.M Tue Jan 13 09:31:01 2009 J

Acq On Operator Sample Misc ALS Vial Quant Time Quant Titl QLast Upda	: C:\MSDCHEM\1\DATA\J : 01120910.D : 12 Jan 2009 2:51 : J. Aquilina : bn ms-soil+30+50 cc : : 11 Sample Multipl 2: Jan 13 09:34:29 200	pm 08-3 ier: 1 9	Report (No	Status)	
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<pre>Parts With : 0112091.D Artg Cite: 0112091.D Ar</pre>		Quantit.	ation	Report	(No Status)	
Quant Time: Jan 13 09:34:31 2009 Quant Title Chast Update: The 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 6.65 136 1161438 40.00 PEB -0.04 35) ACEMAPTIFREE -d10 INT. STD: 8.17 136242 40.00 PEB -0.04 35) ACEMAPTIFREE -d10 INT. STD: 12.00 188 183.4272 40.00 PEB -0.03 36) ACEMAPTIFREE -d10 INT. STD: 12.00 188 183.4272 40.00 PEB -0.03 37) ACEMAPTIFREE -d10 INT. STD: 12.02 188 183.4272 40.00 PEB -0.05 38) ACEMAPTIFREE -d10 INT. STD: 12.04 185.02440 40.02 PEB -0.05 39 ACENTRESTANGENER 5.51 112 200 0.01 PEB -0.07 5) PERVIENZ-d12 INT. STD: 12.01 182 82.01 0.01 PEB -0.07 0.02 PEB -0.05 30 2.4.10CR051PHENUL SURF. 7.32 82 2014634 83.27 PEB -0.04 0.00 PEB -0.05 31 2.4.6 TRIBROMOHENCL SURF. 0.43 172 3304259 88.64 PEB -0.05 0.00 PEB -0.05 31 PREPHENYL-d14 SURF. 3.90 74 445033 24.30 PEB -37 94 31 PALIOROBERZENE 5.65 79 968.64 PEB -0.05 93 <td>Acq On : 12 Jan 2009 3:2 Operator : J. Aquilina Sample : bn msd-soil+30+50 Misc</td> <td>∖JAN09∖01: 6 pm cc08-3</td> <td>1209\</td> <td></td> <td>, , , , , , , , , , , , , , , , , , , ,</td> <td></td>	Acq On : 12 Jan 2009 3:2 Operator : J. Aquilina Sample : bn msd-soil+30+50 Misc	∖JAN09∖01: 6 pm cc08-3	1209\		, , , , , , , , , , , , , , , , , , , ,	
Clast 10100 The Dec 03 11:23:49 2008 Pesponse vis : Initial Calibration R.T. Qion Response Conc Units Dev(Min) Internal Standards R.T. Qion Response Conc Units Dev(Min) 1) 1.4-DICHLOROERVERDE-d4 INT. STD: 6.65 150 1181438 40.00 PFB -0.03 35) ACENARTHENE-d10 INT. STD: 1.24 163 1271392 40.00 PFB -0.04 45) PRENARTHENE-d10 INT. STD: 1.63 134272 40.00 PFB -0.05 75) PERVIENE-d12 INT. STD: 1.64 138 105532 40.00 PFB -0.05 75) PERVIENE-d12 INT. STD: 1.9.54 264 1357426 40.00 PFB -0.05 75) PERVIENE-d12 INT. STD: 1.9.54 264 1357426 40.00 PFB -0.05 70) TERVIENE-d12 UNFR. 7.32 22 201 4046 83 217758 0.02 PFB -0.05 70) TERPHENVL-d14 SURR. 1.4.21 244 3217263 86.84 PFB -0.05 71) TERPHENVL-d14 SURR. 2.90 74 446630 24.80 PFB 94 71) TERPHENVL-d14 SURR. 1.4.21 244 3217263 86.84 PFB -0.05 71 TERPHENVL-d14 SURR. 1.9.0 74 446630 24.80 PFB 94 71 TERPHENVL-d14 SURR. 1.4.21 244 3217263 86.84 PFB -0.05 71 TERPHENVL-d14 SURR. 1.4.21 244 3217263 86.84 PFB -0.05 72 PVIDIME 3.90 74 446630 24.80 PFB 94	Quant Time: Jan 13 09-34-21 oc					
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5) PHENOL-4G SURR. 5.51 112 200 0.01 PPB 0.07 20) NITTOGENCZENE - 45 SURR. 7.32 82 2014334 85.27 PPB -0.04 56) 2.4.6 TRIBROMOPHENOL SURR. 9.42 172 3304259 68.64 PPB -0.05 70) TERPHENYL-1014 SURR. 0.00 330 0 0.00 PPB -0.05 71) TERPHENYL-1014 SURR. 3.90 7.4 446030 24.80 PPB -0.05 72) N-NITROSODIMETHYLAMINE 3.90 7.4 446030 24.80 PPB 94 71) aniline 6.25 94 93 866421 45.30 PPB 97 71) aniline 6.26 146 702178 24.63 PPB 97 71) aniline 6.67 146 642617 23.93 PPB 97 71) 1.4 DICHOROBENZENE C.67 146 642617 23.93 PPB 97 71) 1.4 DICHICOROBENZENE C.62	1) 1.4-DICHLOROBENZENE-d4 I 19) NAPHTHALENE-d8 INT: STD: 35) ACENAPHTHENE-d10 INT. ST 54) PHENANTHRENE-d10 INT. ST 67) CHRYSENE-d12 INT. STD. 75) PERYLENE-d12 INT. STD.	NT 6.65 8.13 D. 10.24 D. 12.00 16.23 19.54	150 136 162 188 240 264	1181438 2614422 1271392 1834272 1855032 1367468	40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB	-0.05 -0.04 -0.04 -0.03 -0.05
	5) PHENOL-d6 SURR. 20) NITROBENZENE-d5 SURR. 39) 2-FLUOROBIPHENYL SURR. 58) 2.4.6 TRIBROMOPHENOL SURR 70) TERPHENYL-d14 SURR.	5.51 6.43 7.32 9.42 0.00 14.21	112 99 82 172 330 244	200 504 2014834 3304259 0 3217263	0.01 PPB 0.02 PPB 83.27 PPB 88.64 PPB 0.00 PPB 86.84 PPB	-0.05 0.07 0.00 -0.04 -0.05 -0.05
48) DIBENZOFURAN 10.58 65 1534m 0.19 PPB 49) 2.4 DINITROTOLUENE 10.45 168 1958068 30.78 PPB 83 50) DIETHYLPHTHLATE 10.52 165 525874 28.31 PPB 96 51) 4-CHLOROPHENYLPHENYL ETHER 10.87 204 487622 25.93 PPB 93	<pre>2) N-NITROSODIMETHYLAMINE 3) PYRIDINE 6) PHENOL CCC 7) aniline 8) BIS(2-CHLOROETHYL)ETHER 9) 2-CHLOROPHENOL 10) 1.3 DICHLOROBENZENE 11) 1.4 DICHLOROBENZENE 11) 1.4 DICHLOROBENZENE 12) benzyl alcohol 13) 1.2-DICHLOROBENZENE 14) 2-METHYLPHENOL 15) BIS(2-CHLOROISOPROPYL)ETHE 16) 4-METHYLPHENOL 17) N-NITROSO-DI-N-PROPYLAMINE 18) HEXACHLOROETHANE 21) NITROBENZENE 22) ISOPHORONE 23) 2.4 DIMETHYLPHENOL 24) Benzoic Acid 25) 2-NITROPHENOL 26) BIS(2-CHLOROETHOXY)METHANE 27) 2.4 DICHLOROPHENOL CCC 28) 1.2,4 TRICHLOROBENZENE 30) 4-CHLOROANILINE 31) HEXACHLOROBUTADIENE CCC 32) 4-CHLORO-3-METHYLPHENOL CC 33) 2-METHYLNAPHTHALENE 34) 2-NITROANILINE 34) 2-NITROANILINE 34) 2-NITROANILINE 35) HEXACHLOROCYCLOPENTADIENE 36) HEXACHLOROCYCLOPENTADIENE 37) 2.4.6-TRICHLOROPHENOL CCC 38) 2.4.5 TRICHLOROPHENOL 40) 2-CHLOROAPHTHALENE 41) DIMETHYLPHTHALATE 42) 2.6 DINITROTOLUENE 43) ACENAPHTHYLENE 44) 3-NITROANILINE 45) ACENAPHTHENE CCC 46) 2.4-DINITROPHENOL SECC</pre>	3.86 6.26 6.34 6.40 0.00 6.62 6.85 6.85 6.88 0.00 7.21 7.23 7.34 7.60 7.77 7.97 7.97 7.97 7.86 0.00 1 8.08 1 8.24 1 8.36 2 8.75 1 9.72 1 9.72 1 9.55 1 9.55 1 9.72 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.	$\begin{array}{c} 146\\ 146\\ 146\\ 79\\ 146\\ 108\\ 45\\ 107\\ 43\\ 117\\ 77\\ 82\\ 107\\ 107\\ 82\\ 107\\ 107\\ 82\\ 107\\ 107\\ 107\\ 107\\ 107\\ 107\\ 107\\ 107$	702178 642617 686550 654225 0 1033357 915 424169 312342 691568 1605095 1146 171 983299 0 532856 1859552 839882 267717 245 511612 601311 157143 0 208680 550369 350047 842268 485433 193841	N.D. 25.56 PPB 23.93 PPB 31.28 PPB 24.05 PPB N.D. 28.94 PPB N.D. 26.73 PPB 25.91 PPB 25.52 PPB 23.62 PPB N.D. N.D. N.D. 26.14 PPB N.D. 24.40 PPB 23.67 PPB 23.67 PPB 23.67 PPB 23.67 PPB 34.47 PPB 23.84 PPB N.D. 30.97 PPB 34.47 PPB 23.84 PPB 23.84 PPB N.D. N.D. N.D. N.D. N.D. 30.97 PPB 34.47 PPB 23.84 PPB 23.84 PPB 23.84 PPB 23.84 PPB 23.85 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB 25.50 PPB	97 97 99 98 93 96 94 100 96 94 100 96 99 98 97 99 97 99 97 99 97 99 98 99 98 99 98 99 98 99 98 99 98
	48) DIBENZOFURAN 49) 2.4 DINITROTOLUENE 50) DIETHYLPHTHLATE 51) 4-CHLOROPHENYLPHENYL ETHER	10.45 16 10.52 16 10.80 14 10.87 20		25874 78888	28.31 PPB 25.88 PPB	96 98

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52) FLUORENE	10.88	166	1255916		~~~~~	
55) 4 6-DINITRO A NOTITIO	10.97	138	405455	- 26.98 PPB		-97
56) N-NITROSODIDHENUT ANTIN	0.00	198	0	N D	#	87
57) 1,2 DIPHENYI HYDRAZINE	11.02	168	563321	22 97 PDP	44	0.5
59) 4-BROMOPHENYLPHENYL FTUED	11.06	77	1655750	25.71 PPB	#	95
60) HEXACHLOROBENZENE	11.45	248	307873	26.38 PPR		00 60
51) PENTACHLOROPHENOL CCC	11.63	284	322166	26.52 PPB	#	24
52) PHENANTHRENE	12 02	266	0	N.D.	*1	19
3) ANTHRACENE	12 68	178	1692594	27.34 PPB		99
4) CARBAZOLE	12 29	147	1859472	29.02 PPB		99
5) DI-N-BUTYLPHTHALATE	12.76	149	1244729	28.30 PPB		97
8) BENZIDING	13,59	202	1761207	27.73 PPB		99
9) PYRENE 9) PYRENE	13.80	184	982843	47.98 PPB		97
1) BUTYLEENZVI DUTILLE ANT	13.93	202	1804323	26 00 DDD		_
2) BIS(2-ETHYLHEVVL ADURAN	15.14	149	1415492	26 89 PPP		99
3) BENZO(A)ANTHRACENE	16.43	149	1858782	25 74 PPP		98
4) CHRYSENE	16.17	228	1467679	26.35 PPR		96
6) 3,3'-DICHLOROBENZIDINE	16.28	228	1472263	26,81 PPR		29 100
7) DI-N-OCTYL PHTHALATE CCC	10.18	252	647062	No Calib #	t	7 Q Q
B) BENZO(B) FLOURANTHENE	17.00 18 66	149	3250089	22.70 PPB		99
) BENZO(K)FLUORANTHENE	18 75	402 050	1333066	24.94 PPB		93
) BENZO(A)PYRENE CCC	19 20	404 250	1376986m	26.43 PPB		
DIBENZO(A, H)ANTHRACENE	22.02	434 278	1232210	27.11 PPB		92
BENIZO(2,2,3-CD)PYRENE	21.98	276	2102004m	26.49 PPB		
() DENZU(G, H, I)PERYLENE	22.53	276	4000004M 965047m	26.76 PPB		
nternal Standards 52) FLUORENE 53) 4-NITROANILINE 55) 4.6-DINITRO-2-METHYLPHENOL 55) 4.6-DINITRO-2-METHYLPHENOL 56) N-NITROSODIPHENYLAMINE 57) 1.2 DIPHENYLHYDRAZINE 59) 4-BROMOPHENYLPHENYL ETHER 60) HEXACHLOROBENZENE 61) PENTACHLOROBENZENE 61) PENTACHLOROPHENOL CCC 62) PHENANTHRENE 63) ANTHRACENE 64) CARBAZOLE 65) DI-N-BUTYLPHTHALATE 66) FLUORANTHENE CCC 78) BENZIDINE 79) PYRENE 71) BUTYLBENZYLPHTHALATE 72) BIS(2-ETHYLHEXYL)PHTHALATE 73) BENZO(A)ANTHRACENE 74) CHRYSENE 75) DI-N-OCTYL PHTHALATE CCC 76) BENZO(A)ANTHRACENE 76) JI-N-OCTYL PHTHALATE CCC 77) DI-N-OCTYL PHTHALATE CCC 78) BENZO(B)FLOURANTHENE 79) BENZO(K)FLUORANTHENE 79) BENZO(A)PYRENE CCC 70) DIBENZO(A, H)ANTHRACENE 71) NDENO(1, 2, 3-CD)PYRENE 72) BENZO(G, H, I)PERYLENE	19.39 22.02 21.98 22.53	252 278 276 276	1232210 918900m 1068084m 965047m	27.11 PPB 26.49 PPB 26.76 PPB 26.33 PPB		92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Page 209

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-d4INT6.65150114576740.00PPB-0.092)NAPHTHALENE-d8INT.STD.8.13136261442240.00PPB-0.084)ACENAPHTHENE-d10INT.STD.10.24162126692640.00PPB-0.076)PHENANTHRENE-d10INT.STD.12.00188183427240.00PPB-0.077)CHRYSENE-d12INT.STD.16.23240185503240.00PPB-0.0910)PERYLENE-d12INT.STD.19.54264138579440.00PPB-0.10 System Monitoring Compounds 3) NITROBENZENE-d5 SURR.7.3282202232190.32PPB-0.095) 2-FLUOROBIPHENYL SURR.9.42172330769489.12PPB-0.099) TERPHENYL-d14 SURR.14.21244321726382.91PPB-0.10 Target Compounds

 8) BENZIDINE
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 11) 3,3'-DICHLOROBENZIDINE
 16.18
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 Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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1) 1.4-DICHLOROBENZENE-d4 INT 19) NAPHTHALENE-d8 INT	R.T.	QIon	Respons	se Conc Units	-
<ol> <li>1.4-DICHLOROBENZENE-d4 INT</li> <li>19) NAPHTHALENE-d8 INT. STD.</li> <li>35) ACENAPHTHENE-d10 INT. STD.</li> <li>54) PHENANTHRENE-d10 INT. STD.</li> <li>67) CHRYSENE-d12 INT. STD.</li> <li>75) PERYLENE-d12 INT. STD.</li> <li>System Monitoring Compounds</li> </ol>			· ··· ··· ··· ··· ··· ··· ··· ··· ···		<pre>&gt; Dev(Min)</pre>
19) NAPHTHALENE-d8 INT. STD. 35) ACENAPHTHENE-d10 INT. STD. 54) PHENANTHRENE-d10 INT. STD.	8,13	150	1134037	40.00 PPE	-0.06
54) PHENANTHERNE dia INT. STD.	10.23	162	- 4525967 - 100000	40.00 PPB	-0.05
54) PHENANTHRENE-d10 INT. STD. 67) CHRYSENE-d12 INT. STD.	11.99	188	1814580	40.00 PPB	-0.04
67) CHRYSENE-d12 INT. STD. 75) PERYLENE-d12 INT. STD.	16.23	240	1823698	40.00 PPB 40.00 PPB	-0.04
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4) 2-FLIOPOPHENOL CUP					0.06
5) PHENOL-d6 SURP	0.00	112	Û	0 00 555	
20) NITROBENZENE-d5 SURR	6,43	99	254	0.00 PPB 0 01 ppb	
39) 2-FLUOROBIPHENYL SURR	9 4 2	82	1946884	83.28 PPB	U,U0 0.05
70) TERPHENUT AN OPHENOL SURR.	0.00	330	3182137	88.75 PPB	-0.05
SURR SURR .	14.21	244	292511 <i>x</i>	0.00 PPB	
System Monitoring Compounds 4) 2-FLUOROPHENOL SURR. 5) PHENOL-d6 SURR. 20) NITROBENZENE-d5 SURR. 39) 2-FLUOROBIPHENYL SURR. 58) 2,4,6 TRIBROMOPHENOL SURR. 70) TERPHENYL-d14 SURR. Target Compounds 2) N-NITROSODIMETRIE SURG.				00.31 PPB	-0.05
2) N-NITROSODIMETHYLAMINE 3) PYRIDINE	3 00				Qvalue
3) PYRIDINE 6) PHENOL CCC 7) aniline 8) BIS(2-CHLOROETHYL)ETHER 9) 2-CHLOROPHENOL	3.85	74 79		25.20 PPB	
7) aniline	6.29	~ .	497054 0	16.09 PPB	
8) BIS(2-CHLOROETHYI) FTURE	6.35	93	876981	N.D. 48.32 PPB 25.99 PPB	
9) 2-CHLOROPHENOL	6.39	93	891988	25.99 PPB	# 38
10) 1.3 DICHLOROBENZENE	6 61	128	0	N.D.	99
<ul> <li>bis(2-CHLOROETHYL)ETHER</li> <li>2-CHLOROPHENOL</li> <li>1.3 DICHLOROBENZENE</li> <li>1.4 DICHLOROBENZENE CCC</li> <li>benzyl alcohol</li> </ul>	6.67 1	146 146	668243	N.D. 25.34 PPB 24.74 PPB 30.29 PPB 24.35 PPB	97
1.1 2 DICUTODODD	0.00	79	638153	24.74 PPB	98
14) 2-METHYLPHENOL	6.88 1	.46	636012	24.35 PPB	97
14) 2-METHYLPHENOL 15) BIS(2-CHLOROISOPROPYL)ETHE 16) 4-METHYLPHENOI	0.00 1	.08	0 963032 1665	N.D.	97
16) 4-METHYLPHENOL		45 07	963032	28.10 PPB	# 94
18) HEXACHI OPOETHANE	7.17	4.3 3	403949		
41/ NITROBENZENE	7.23 1	17 2	290245	26.52 PPB 25.08 PPB	
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		82 14 07	180887	22.56 PPB	94 100
		07 05	$\frac{1676}{723}$	N.D.	700
26) BIS(2-CHLODOFTICT	7.74 13	39	425	N.D. N.D.	
27) 2.4 DICHLOROPHENOL CCC 28) 1.2 4 TPLCHLOROPHENOL CCC	A A 4	)3 9	57246	26.34 PPB	~ ~
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30) A-CHEODOINTE	8.15 15		10223 91959	24.19 PPB	99
31) HEXACHLOROBUTADIENE CCC 32) 4-CHLORO-3-METHYLPHENOL CC 33) 2-METHYLNAPHTHAIENE	8.24 12	1.00	57979	26.37 PPB	98
32) 4-CHLORO-3-METHYLPHENOL CC	3.36 22	5 25	57344	37.02 PPB 23.55 PPB	97
33) 2-METHYLNAPHTHALENE		7	191	N.D.	99
VII A-NI ROANTTIND	0.96  14 0.72  13	4 144 8 60	48114	30.71 PPB	97
37) 2 4 6-TELCHI CROPENTADIENE 9	.23 23	v 56 7 14	54355 16694	33.49 PPB	95
	.00 196	5	0	23.14 PPB N.D.	99
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zz) DIMETHAUNHURYLYLL			4272	25.50 PPB	98
	.95 163 .04 165		8031 7838	26.13 PPB	98
44) 3-NITROANTI INF 10	.05 152	178		25.09 PPB	99
40) ACENAPHTHENE coc	~ ~	461	0692	26.00 PPB 34.17 PPB	97
40) 2,4-DINITROPHENOL SPCC	27 153	1158	8664	27.09 PPB	95 100
47)4-NITROPHENOLSPCC048)DIBENZOFURAN10			0	N.D.	±40
49) 2, 4 DINTTPOTOTURE $10$ .	46 168		0 1626	N.D.	
50) DIETHYI PHTHI ATP 10.	52 165	±004 506		30.80 PPB 28.33 PPB	82
51) 4-CHLOROPHENYLPHENYL ETHER 10.	80 149	1575	711	20.33 PPB 25.26 PPB	96
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.20108.M Tue Jan 13 09:34:33 2009 J

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<ul> <li>53) 4-NITROANILINE</li> <li>55) 4.6-DINITRO-2-METHYLPHENOL</li> <li>56) N-NITROSODIPHENYLAMINE</li> <li>57) 1.2 DIPHENYLHYDRAZINE</li> <li>59) 4-BROMOPHENYLPHENYL ETHER</li> <li>60) HEXACHLOROBENZENE</li> <li>61) PENTACHLOROPHENOL CCC</li> <li>62) PHENANTHRENE</li> <li>63) ANTHRACENE</li> <li>64) CARBAZOLE</li> <li>65) DI-N-BUTYLPHTHALATE</li> <li>66) FLUORANTHENE CCC</li> <li>68) BENZIDINE</li> <li>69) PYRENE</li> <li>71) BUTYLBENZYLPHTHALATE</li> <li>72) BIS(2-ETHYLHEXYL)PHTHALATE</li> <li>73) BENZO(A)ANTHRACENE</li> <li>74) CHRYSENE</li> <li>76) 3.3'-DICHLOROBENZIDINE</li> <li>77) DI-N-OCTYL PHTHALATE CCC</li> <li>78) BENZO(B)FLOURANTHENE</li> </ul>	$\begin{array}{c} 10.97\\ 0.00\\ 11.02\\ 11.06\\ 11.45\\ 11.63\\ 0.00\\ 12.03\\ 12.08\\ 12.28\\ 12.75\\ 13.58\\ 13.79\\ 13.93\\ 15.14\\ 16.42\\ 16.17\\ 16.27\\ 16.18\\ 17.86\\ 18.66\\ \end{array}$	138 198 168 77 248 284 266 178 167 149 202 184 202 149 228 228 228 252 149 252	374967 0 533568 1580037 290886 309061 0 1623221 1771941 1853715 2916300 1662697 1004963 1729456 1339291 1765088 1356636 1400061 645521 3125958 1337861m	26:46 PPB 40.48 PPB N.D. 22.00 PPB 24.80 PPB 25.20 PPB 25.71 PPB N.D. 26.50 PPB 27.55 PPB 26.55 PPB 26.55 PPB 26.69 PPB 26.69 PPB 25.88 PPB 24.86 PPB 24.86 PPB 24.77 PPB 25.94 PPB No Calib 22.44 PPB	#	98 87 94 89 93 100 99 99 96 99 97
<ul> <li>80) BENZO(A)PYRENE CCC</li> <li>81) DIBENZO(A,H)ANTHRACENE</li> <li>82) INDENO(1,2,3-CD)PYRENE</li> <li>83) BENZO(G,H,I)PERYLENE</li> </ul>	22.01	252 278 276 276	1155454 858034m 1026800m 923034m			92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 13 09:31:14 2009 Quant Title : QLast Update : Thu Nov 13 09:14: Response via : Initial Calibrati	}	}			
Internal Standards	R.T.	QIon	Response	Conc Units	Dox (Mit - )
<ol> <li>NAPHTHALENE-d8 INT. STD.</li> <li>ACENAPHTHENE-d10 INT. STD.</li> <li>PHENANTHRENE-d10 INT. STD.</li> <li>CHRYSENE-d12 INT. STD.</li> <li>PERYLENE-d12 INT. STD.</li> </ol>	6.65 8.13 10.23	150 136 162 188 240	1066276 2525967 1222890 1814580	40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB	-0.09 -0.08 -0.08 -0.08 -0.08 -0.09
9) TERPHENYL-d14 SURR.	7.32 9.42 14.21	82 172	1954208 3182137 2925114	90.34 PPB	-0.09
Target Compounds 8) BENZIDINE 11) 3,3'-DICHLOROBENZIDINE	13.79 16.18	184		27 74 555	-0.09 Qvalue 95 98

ier out of range (m) = manual integration (+) = signals summed BZ111208.M Tue Jan 13 09:31:17 2009 J

Date 5		Quantitation	Report	(No Statu	S)	
Data Path Data File						
Acq On Operator	: 12 Jan 2009 4:01 : J. Aquilina					
Sample Misc	: bn lcs-soil+30+50	CC08-3				
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Quant Time Quant Title	Jan 13 09-24-25 55					
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Quantitation Report

	Data Dath . a	Quantita	ition	Report	(No Status)		
	Data Path : C:\MSDCHEM\1\DATA\JA Data File : 01120913.D Acq On : 12 Jan 2009 4:36 F Operator : J. Aquilina Sample : bn smp 082.01*30 33c Misc : 1/9/09 ALS Vial : 14 Sample Multipli	pm J tcl	.209				
	Quant Time: Jan 13 09:34:35 2009 Quant Title :			all	1		
	QLast Update : Tue Dec 02 11:28: Response via : Initial Calibrati			UU.	and the second second		
1012 Martin	Internal Standards		QIon	Response	Cope Unite	<b>**</b>	
	<ul> <li>ACENAPHTHALENE-d8 INT. STD.</li> <li>ACENAPHTHENE-d10 INT. STD.</li> <li>PHENANTHRENE-d10 INT. STD.</li> <li>CHRYSENE-d12 INT. STD.</li> <li>PERYLENE-d12 INT. STD.</li> </ul>	6.65 8.12 10.23 11.99 16.21 19.54	150 136 162 188 240 264	1062328 2623524 1272357 1851999 1749555 1189549	40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB	-0.05 -0.04 -0.07 -0.04	
	<ul> <li>4) 2-FLUOROPHENOL SURR.</li> <li>5) PHENOL-d6 SURR.</li> <li>20) NITROBENZENE-d5 SURR.</li> <li>39) 2-FLUOROBIPHENYL SURR.</li> <li>58) 2,4,6 TRIBROMOPHENOL SURR.</li> <li>70) TERPHENYL-d14 SURD.</li> </ul>	0.00 6.49 7.32 9.42 0.00	112 99 82 172 330	0 537 1707136 2984140 0	0.00 PPB 0.02 PPB 70.31 PPB 80.00 PPB 0.00 PPB	0.06 -0.04 -0.05	
	<pre>2) N-NITROSODIMETHYLAMINE 3) FYRIDINE 6) FHENOL CCC 7) aniline 8) BIS(2-CHLOROETHYL)ETHER 9) 2-CHLOROPHENOL 10) 1.3 DICHLOROBENZENE 11) 1.4 DICHLOROBENZENE 11) 1.4 DICHLOROBENZENE 12) benzyl alcohol 13) 1.2-DICHLOROBENZENE 14) 2-METHYLPHENOL 15) BIS(2-CHLOROISOPROPYL)ETHE 16) 4-METHYLPHENOL 17) N-NITROSO-DI-N-PROPYLAMINE 18) MEYACH OPDETENNE</pre>	3.95 3.94 6.37 6.41 0.00 6.62 6.67 6.93 6.89 7.09 7.01 0.00 7.17 7.23 7.34 7.62 0.00 1 8.12 1 0.00 1 8.12 1 0.00 1 8.09 1 8.09 1 8.09 1 8.14 1 8.35 2 0.00 1	74 79 94 93 128 146 146 108 45 107 82 107 827 107 827 393 80 28 28 27 25 07	$\begin{array}{c} 5099\\ 13420\\ 181\\ 15816\\ 15816\\ 15816\\ 0\\ 10137\\ 10592\\ 2256\\ 9242\\ 801\\ 11256\\ 0\\ 4705\\ 3735\\ 15348\\ 17022\\ 0\\ 3956\\ 0\\ 7437\\ 0\\ 5165\\ 27558\\ 3469\\ 2894\\ 0\\ \end{array}$	0.32 PPB 0.46 PPB N.D. 0.93 PPB 0.49 PPB N.D. 0.41 PPB 0.44 PPB 0.44 PPB 0.38 PPB N.D. 0.35 PPB N.D. 0.35 PPB N.D. 0.34 PPB 0.34 PPB 0.34 PPB 0.25 PPB N.D. 0.21 PPB N.D. 0.21 PPB N.D. 0.22 PPB N.D. 0.24 PPB 0.39 PPB N.D. 0.25 PPB N.D. 0.25 PPB N.D. 0.26 PPB N.D. 0.26 PPB N.D. 0.26 PPB N.D. 0.26 PPB N.D. 0.26 PPB N.D. 0.26 PPB N.D. 0.26 PPB N.D. 0.26 PPB N.D. 0.26 PPB N.D. 0.26 PPB N.D. 0.26 PPB N.D. 0.26 PPB N.D. 0.26 PPB N.D. 0.26 PPB N.D. 0.27 PPB N.D. 0.27 PPB N.D. 0.29 PPB N.D. 0.29 PPB N.D. 0.29 PPB N.D. 0.29 PPB N.D. 0.20 PPB N.D. 0.29 PPB N.D. 0.20 PPB N.D. 0.29 PPB N.D. 0.20 PPB N.D. 0.29 PPB N.D. 0.20 PPB N.D. 0.29 PPB N.D. 0.26 PPB N.D. 0.26 PPB N.D. 0.27 PPB N.D. 0.29 PPB N.D. 0.26 PPB N.D. 0.26 PPB N.D. 0.27 PPB N.D. 0.29 PPB N.D. 0.26 PPB N.D. 0.26 PPB N.D. 0.26 PPB N.D. 0.26 PPB N.D. 0.26 PPB N.D. 0.26 PPB N.D. 0.26 PPB N.D. 0.26 PPB N.D. 0.26 PPB N.D. 0.26 PPB N.D. 0.26 PPB N.D. 0.26 PPB N.D. 0.26 PPB N.D. 0.26 PPB N.D. 0.26 PPB N.D. 0.26 PPB N.D. 0.26 PPB N.D. 0.26 PPB N.D. 0.26 PPB N.D. 0.14 PPB N.D. 0.14 PPB N.D. 0.14 PPB	Qvalue # 77 95 # 6 # 71 # 67 # 23 94 96 # 92 # 92 # 92 # 92 # 92 # 92 # 92 # 92	Ρα

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Page 216

Data Path : C:\MSDCHEM\1\DATA\JA Data File : 01120913.D Acq On : 12 Jan 2009 4:36 p Operator : J. Aquilina Sample : bn smp 082.01*30 33g Misc : 1/9/09 ALS Vial : 14 Sample Multipli Quant Time: Jan 13 09:34:35 2009 Quant Title : QLast Update : Tue Dec 02 11:28:	NO9\011 m tcl er: 1	1209\	Vebort	(NO Status)		
Response via : Initial Calibratio	⊃n					
Internal Standards 52) FLUORENE	R.T.	QIon	Response	Conc Units	Dev(Mir	1)
<ul> <li>52) FLUORENE</li> <li>53) 4-NITROANILINE</li> <li>55) 4.6-DINITRO-2-METHYLPHENOL</li> <li>56) N-NITROSODIPHENYLAMINE</li> <li>57) 1.2 DIPHENYLHYDRAZINE</li> <li>59) 4-BROMOPHENYLPHENYL ETHER</li> <li>60) HEXACHLOROBENZENE</li> <li>61) PENTACHLOROPHENOL CCC</li> <li>62) PHENANTHRENE</li> <li>63) ANTHRACENE</li> <li>64) CARBAZOLE</li> <li>65) DI-N-BUTYLPHTHALATE</li> <li>66) FLUORANTHENE CCC</li> <li>68) BENZIDINE</li> <li>69) PYRENE</li> <li>71) BUTYLBENZYLPHTHALATE</li> <li>72) BIS (2-ETHYLHEXYL)PHTHALATE</li> </ul>	10.90 0.00 0.00 11.05	166 138 198 168	5952 0 0 1109	0.13 PPB N.D. N.D. N.D.	9	 77
59) 4-BROMOPHENYLPHENYL ETHER 60) HEXACHLOROBENZENE 61) PENTACHLOROPHENOL CCC 62) PHENANTHRENE	11.08 11.46 11.64 0.00	77 248 284 266	7268 487 521 0	0.11 PPB N.D. N.D. N.D. N.D.	8	3
63) ANTHRACENE 64) CARBAZOLE	12.02 12.09 12.32	178 178	45265 9735	0.72 PPB 0.15 PPB	9	3 2
65) DI-N-BUTYLPHTHALATE 66) FLUORANTHENE CCC	12.75 13.59	167 149 202	5804 46436 54570	N.D. 0.41 PPB	# 92	2
60) BENZIDINE 69) PYRENE	13.43 13.94	$     184 \\     202 $	240	No Calib	91	7
<ul> <li>71) BOTYLBENZYLPHTHALATE</li> <li>72) BIS(2-ETHYLHEXYL)PHTHALATE</li> <li>73) BENZO(A)ANTHRACENE</li> <li>74) CHRYSENE</li> <li>76) 2.24 DECEMENTE</li> </ul>	15.12 16.41 16.17 16.26	149 149 228 228	6039 36082 22775 28957	0.71 PPB 0.12 PPB 0.53 PPB 0.43 PPB	98 83 91 92	3 3 1 2
76) 3,3°-DICHLOROBENZIDINE 77) DI-N-OCTYL PHTHALATE CCC 78) BENZO(B)FLOURANTHENE	0.00	252 149	4949	N.D. N.D.	99	}
<ul> <li>64) CARBAZOLE</li> <li>65) DI-N-BUTYLPHTHALATE</li> <li>66) FLUORANTHENE CCC</li> <li>68) BENZIDINE</li> <li>69) PYRENE</li> <li>71) BUTYLBENZYLPHTHALATE</li> <li>72) BIS(2-ETHYLHEXYL)PHTHALATE</li> <li>73) BENZO(A)ANTHRACENE</li> <li>74) CHRYSENE</li> <li>76) 3,3'-DICHLOROBENZIDINE</li> <li>77) DI-N-OCTYL PHTHALATE CCC</li> <li>78) BENZO(B)FLOURANTHENE</li> <li>79) BENZO(A)PYRENE CCC</li> <li>81) DIBENZO(A,H)ANTHRACENE</li> <li>82) INDENO(1,2,3-CD)PYRENE</li> <li>83) BENZO(G,H,I)PERYLENE</li> </ul>	18.69 18.74 19.43 0.00 0.00	252 252 252 278 276	32414 32327 8994 0 0	0.70 PPB 0.71 PPB 0.23 PPB N.D. N.D.	80 # 55 68	
$(\#) = \operatorname{gual}(f/g) = f/g$	44.30 	276	3031	N.D.	which designs access which which where which	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

 2) NAPHTHALENE-d8 INT. STD.
 8.12
 136
 2615612
 40.00
 PPB

 4) ACENAPHTHENE-d10 INT. STD.
 10.23
 162
 1268563
 40.00
 PPB

 6) PHENANTHRENE-d10 INT. STD.
 11.99
 188
 1850820
 40.00
 PPB

 7) CHRYSENE-d12 INT. STD.
 16.21
 240
 1749555
 40.00
 PPB

 10) PERYLENE-d12 INT. STD.
 19.54
 264
 1264415
 40.00
 PPB

 -0.09 -0.09 -0.08 -0.08 10) PERYLENE-d12 INT. STD. -0.11 -0.11 System Monitoring Compounds 

 3) NITROBENZENE-d5 SURR.
 7.32
 82
 1714430
 76.54
 PPB

 5) 2-FLUOROBIPHENYL SURR.
 9.42
 172
 2994323
 80.57
 PPB

 -0.0914.21 244 2654350 -0.0972.53 PPB -0.09 Target Compounds 8) BENZIDINE 13.80 184 1665 N.D. 0.00 252 0 N.D. Qvalue 11) 3,3'-DICHLOROBENZIDINE 

(#) = qualifier out of range (m) = manual integration (+) = signals summed BZ111208.M Tue Jan 13 09:31:26 2009 J

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	Data Path · COMODORNO · D	Quantitation	Report	(No Status)		55
	Data Path : C:\MSDCHEM\1\DATA\ Data File : 01120913.D Acq On : 12 Jan 2009 4:36		<b>`</b>			
	Operator : J. Aquilina	-				
	Misc : 1/9/09					
	ALS Vial : 14 Sample Multipl Quant Time: Jan 13 09:34:35 200					
	Quant Title : QLast Update : Tue Dec 02 11:28 Response via : Initial Calibrat					
	Abundance 1.15e+07		TIC: 01120913	I.D		
	··· 1.1e+07					
	1.05e+07					
	1e+07					
	9500000					
	900000					
	8500000					
	8000000					
	7500000					
	7000000 HH					
	7500000 7000000 6500000					
	6000000	1°CL	RR.,S			
	5500000 -	10 INT S	-d14 SUF			:
	5000000 E	THENE-d NT. STD.	TERPHENYL-d14 SU			
	5500000 5000000 45000000 45000000 45000000 40000000 10 10 10 10 10 10 10 10	ACENAPHTHENE-d10 INT. STD.,I PHENANTHRENE-d10 INT. STD.,J	Щ			
	4000000	ANTHRE				
:	3500000 YE NO WE WE WE WE WE WE WE WE WE WE WE WE WE	PHEN		INT. STD		
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2		щ т т	1. LL		ENE-d1	
1		T NTE, T DRAZIN FENE, T	E CCC,	NTHEN NTHEN	1 ASS	
1	TL DORONE TO ODORONO TL DORONO TL DORONO	TYLPHI TYLPHI	NTHEN	LOURA	YRENE	
	RAMILIAUS CODIMETHYLLAILLER RAMILIAUS CODIME	DIERTACEURAN, T DIERTACENTIAL, T 1.2.DIPHENVLHYDRAZINE, T ANTHIRACENLEIGENE, T DI-N-BUTYLPHTHALATE, T	FLUCRANTHENE CCC.T PYRENE.T BUTYLBENZYLPHTHALATE,T	BISIZEPHYRYPHANCHENE, T. CHRYSENE-412 INT. STD., I BISIZEPHYRYPHEXYLIPHTHALATE, T. CHRYSENE-412 INT. STD., I BENZGIRJFLOBRANTHENE, T	BENZQ(AJPYRENE AGAVLENE-d12 INT. STD.,	
Tim	e> 4.00 5.00 6.00 7.00 8.00 9.00 10.00		Martin Karl	<u> <u> 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</u></u>	Door 040	
	108.M Tue Jan 13 09:34:36 2009 (	11.00 12.00 13.00	14.00 15.00 16.0	0 17.00 18.00 19.00	0 20.00 21.00 22.00 23.00 24.00 25.00	
		-			Page: 3	

Quantitation Repor

	Quantitation	Report	(No Statue)
Data Path : C:\MSDCHEM\1\DATA\J Data File : 01120914.D Acq On : 12 Jan 2009 5:11 Operator : J. Aquilina Sample : bn smp 082.02*30 33 Misc : 1/9/09 ALS Vial : 15 Sample Multipl	JAN09\011209\ pm g tcl		
Quant Time: Jan 13 09:34:37 200 Quant Title : QLast Update : Tue Dec 02 11:28 Response via : Initial Calibrat.			all
Internal Standards	D m or	Response	Conc Units Dev(Min)
<ul> <li>19) NAPHTHALENE-d8 INT. STD.</li> <li>35) ACENAPHTHENE-d10 INT. STD.</li> <li>54) PHENANTHRENE-d10 INT. STD.</li> <li>67) CHRYSENE-d12 INT. STD.</li> <li>75) PERYLENE-d12 INT. STD.</li> </ul>	Γ 6.65 150 8.12 136 10.23 162 11.99 188 16.21 240 19.53 264	1094321 2621900 1319368 1963561 1871969 1213272	40:00 PPB         -0.06           40:00 PPB         -0.05           40:00 PPB         -0.05           40:00 PPB         -0.05           40:00 PPB         -0.04           40:00 PPB         -0.06           40:00 PPB         -0.07
<ul> <li>4) 2-FLUOROPHENOL SURR.</li> <li>5) PHENOL-d6 SURR.</li> <li>20) NITROBENZENE-d5 SURR.</li> <li>39) 2-FLUOROBIPHENYL SURR.</li> <li>58) 2.4.6 TRIBROMOPHENOL SURR.</li> <li>70) TERPHENYL-d14 SURR.</li> </ul>	$\begin{array}{ccc} 0.00 & 112 \\ 0.00 & 99 \end{array}$	0	
<pre>7) aniline 8) BIS(2-CHLOROETHYL)ETHER 9) 2-CHLOROPHENOL 10) 1.3 DICHLOROBENZENE 11) 1.4 DICHLOROBENZENE CCC 12) benzyl alcohol 13) 1.2-DICHLOROBENZENE CCC 14) 2-METHYLPHENOL 15) BIS(2-CHLOROISOPROPYL)ETHE 16) 4-METHYLPHENOL 17) N-NITROSO-DI-N-PROPYLAMINE 18) HEXACHLOROETHANE 21) NITROBENZENE 21) SOPHORONE 23) 2.4 DIMETHYLPHENOL 24) Benzoic Acid 25) 2-NITROPHENOL 26) BIS(2-CHLOROETHOXY)METHANE 27) 2.4 DICHLOROPHENOL CCC 28) 1.2.4 TRICHLOROBENZENE 29) NAPHTHALENE 30) 4-CHLOROANILINE 31) HEXACHLOROBUTADIENE CCC 33) 2-METHYLNAPHTHALENE 34) 2-NITROANILINE 35) HEXACHLOROCYCLOPENTADIENE 36) HEXACHLOROCYCLOPENTADIENE 37) 2.4.6-TRICHLOROPHENOL CCC 38) 2.4.5 TRICHLOROPHENOL CCC 30) 2-CHLOROANILINE 31 DESCENTER DESCENTE 32.4.5 TRICHLOROPHENOL CCC 33) 2-METHYLOPHENOL CCC 34) 2-CHLOROPHENOL CCC 35) 2.4.5 TRICHLOROPHENOL CCC 36) 2.4.5 TRICHLOROPHENOL CCC 37) 2.4 DOPMANENTENTENTE 34) 2-CHLOROPHENOL CCC 35) 2.4.5 TRICHLOROPHENOL CCC 36) 2.4.5 TRICHLOROPHENOL CCC 36) 2.4.5 TRICHLOROPHENOL CCC 37) 2.4 DOPMANENTENTENTENTENTENTENTENTENTENTENTENTENT</pre>	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c} 434\\ 2665\\ 0\\ 5316\\ 5316\\ 0\\ 1147\\ 1161\\ 0\\ 2913\\ 0\\ 1824\\ 0\end{array}$	Qvalue N.D. N.D. N.D. 0.30 PPB # 15 0.16 PPB # 29 N.D. N.D. N.D. N.D. N.D. 0.12 PPB 91 N.D. 0.12 PPB 91 N.D. N.D. 0.21 PPB # 49 N.D. 0.29 PPB # 58 0.12 PPB # 73 N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D.
49) 2.4 DINITROTOLUENE 1	$\begin{array}{cccc} 0.00 & 184 \\ 0.69 & 65 \\ 0.50 & 168 \\ 0.54 & 165 \\ 0.80 & 149 \\ 0.89 & 204 \end{array}$	0 4814 176 1879 0 2213 3814 600 4337	N.D. N.D. N.D. N.D. N.D. 0.27 PPB # 18 N.D. N.D. N.D. N.D. N.D. N.D.

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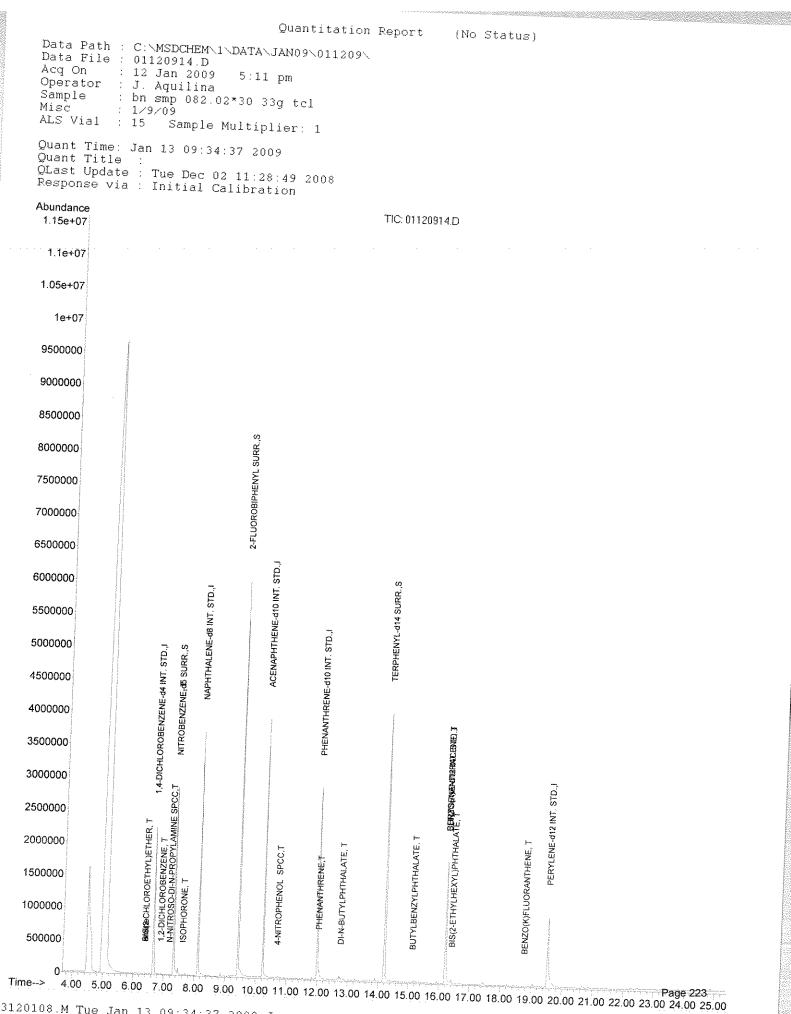
Data Path : C:\MSDCHEM\1\DATA\JA Data File : 01120914.D Acq On : 12 Jan 2009 5:11 p Operator : J. Aquilina Sample : bn smp 082.02*30 33g Misc : 1/9/09 ALS Vial : 15 Sample Multipli	AN09\011 0m   tcl   er: 1	1209∖		(10 ) (10 )		
Quant Time: Jan 13 09:34:37 2009 Quant Title : QLast Update : Tue Dec 02 11:28: Response via : Initial Calibrati	49 2008 on					
Internal Standards 52) FLUORENE	R.T.	QIon	Response	Conc Units	Dev(	Min)
<ul> <li>53) 4-NITROANILINE</li> <li>55) 4.6-DINITRO-2-METHYLPHENOL</li> <li>56) N-NITROSODIPHENYLAMINE</li> <li>57) 1.2 DIPHENYLHYDRAZINE</li> <li>59) 4-BROMOPHENYLPHENYL ETHER</li> <li>60) HEXACHLOROBENZENE</li> <li>61) PENTACHLOROPHENOL CCC</li> <li>62) PHENANTHRENE</li> <li>63) ANTHRACENE</li> <li>64) CARBAZOLE</li> <li>65) DI-N-BUTYLPHTHALATE</li> <li>66) FLUORANTHENE CCC</li> <li>68) BENZIDINE</li> </ul>	$\begin{array}{c} 0.00\\ 0.00\\ 0.00\\ 11.03\\ 0.00\\ 0.00\\ 12.02\\ 12.09\\ 12.35\\ 12.75\\ 13.62 \end{array}$	138 198 168 77 248 284 266 178 178 167 149 202	$ \begin{array}{c} 0 \\ 0 \\ 929 \\ 0 \\ 0 \\ 0 \\ 6957 \\ 2014 \\ 1275 \\ 28778 \\ 6278 \\ 6278 \\ \end{array} $	N.D. N.D. N.D. N.D. N.D. N.D. N.D. 0.10 PPB N.D. N.D. 0.24 PPB N.D.	#	60 93
<ul> <li>69) PYRENE</li> <li>69) PYRENE</li> <li>71) BUTYLBENZYLPHTHALATE</li> <li>72) BIS(2-ETHYLHEXYL)PHTHALATE</li> <li>73) BENZO(A)ANTHRACENE</li> <li>74) CHRYSENE</li> <li>76) 3,3'-DICHLOROBENZIDINE</li> <li>77) DI-N-OCTYL PHTHALATE CCC</li> <li>78) BENZO(B)FLOURANTHENE</li> <li>79) BENZO(B)FLOURANTHENE</li> <li>80) BENZO(A)PYRENE CCC</li> <li>81) DIBENZO(A, H)ANTHRACENE</li> <li>82) INDENO(1,2,3-CD)PYRENE</li> <li>83) BENZO(G,H,I)PERYLENE</li> </ul>	$\begin{array}{c} 15.32\\ 15.12\\ 16.41\\ 16.21\\ 16.26\\ 0.00\\ 17.85\\ 18.72\\ 18.77\\ 19.34\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ \end{array}$	149 149 228 252 149 252 252 252 252 252 278 276 276	5936 6195 32903 7029 4185 0 4322 3026 4630 1061 0 0 0 0 0	N.D. 0.12 PPB 0.45 PPB 0.13 PPB N.D. N.D. N.D. 0.10 PPB N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D	# # #	77 95 70 64

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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 1) 1,4-DICHLOROBENZENE-04 INT0.65150109237540.00PPB2) NAPHTHALENE-d8 INT. STD.8.12136262190040.00PPB4) ACENAPHTHENE-d10 INT. STD.10.23162131936840.00PPB6) PHENANTHRENE-d10 INT. STD.11.99188195698640.00PPB7) CHRYSENE-d12 INT. STD.16.21240187196940.00PPB10) PERYLENE-d12 INT. STD.19.53264130320140.00PPB -0.09 -0.09 -0.08 -0.08 10) PERYLENE-d12 INT. STD. -0.10 -0.12 System Monitoring Compounds 3) NITROBENZENE-d5 SURR. 7.32 82 1835522 81.75 PPB 9.42 172 3157203 81.68 PPB 5) 2-FLUOROBIPHENYL SURR. -0.099) TERPHENYL-d14 SURR. 14.21 244 2866121 -0.09 73.19 PPB -0.09 Target Compounds 8) BENZIDINE 0.00 184 0.00 252 Qvalue 0 N.D. 0 N.D. 11) 3,3'-DICHLOROBENZIDINE 0 

(#) = qualifier out of range (m) = manual integration (+) = signals summed BZ111208.M Tue Jan 13 09:31:35 2009 J



Data Path : C:\MSDCHEM\1\DATA\J Data File : 01120915.D	AN09\011		Report (	No Status)	
Acq On 12 Jan 2009 5:46 p Operator : J. Aquilina Sample : bn smp 082.03*30 33g Misc : 1/9/09 ALS Vial : 16 Sample Multipli	g tcl				
Quant Time: Jan 13 09:34:39 2009			7	MC	
Quant Title : QLast Update : Tue Dec 02 11:28: Response via : Initial Calibrati	40 2000		X	Х.	
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1.4-DICHLOROBENZENE-d4 INT 19) NAPHTHALENE-d8 INT. STD. 35) ACENAPHTHENE-d10 INT. STD. 54) PHENANTHRENE-d10 INT. STD. 67) CHRYSENE-d12 INT. STD. 75) PERYLENE-d12 INT. STD.	6.64 8.12 10.22 11.99 16.19 19.52	150 136 162 188 240 264	1134986 2741735 1356190 1912245 1895418 1195533	40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB	-0.06 -0.05 -0.05 -0.04 -0.08 -0.08
<ul> <li>4) 2-FLUOROPHENOL SURR.</li> <li>5) PHENOL-d6 SURR.</li> <li>20) NITROBENZENE-d5 SURR.</li> <li>39) 2-FLUOROBIPHENYL SURR.</li> <li>58) 2,4.6 TRIBROMOPHENOL SURR.</li> <li>70) TERPHENYL-d14 SURR</li> </ul>	0.00 6.47 7.32 9.41 0.00	112 99 82 172 330	0 1237 1862780 3207332 0 2861983	0.00 PPB 0.04 PPB 73.41 PPB 80.66 PPB 0.00 PPB 75.61 PPB	0.04 -0.05 -0.06 -0.06
Target Compounds 2) N-NITROSODIMETHYLAMINE 3) PYRIDINE 6) PHENOL CCC 7) aniline 8) BIS(2-CHLOROETHYL)ETHER 9) 2-CHLOROPHENOL 10) 1.3 DICHLOROBENZENE 11) 1.4 DICHLOROBENZENE 11) 1.4 DICHLOROBENZENE 12) benzyl alcohol 13) 1.2-DICHLOROBENZENE 14) 2-METHYLPHENOL 15) BIS(2-CHLOROISOPROPYL)ETHE 16) 4 METHYLPHENOL	$\begin{array}{c} 0.00\\ 0.00\\ 0.00\\ 6.41\\ 6.41\\ 0.00\\ 6.62\\ 6.66\\ 0.00\\ 6.00\\ \end{array}$	74 79 94 93 128 146 146 79	$0 \\ 0 \\ 1249 \\ 1249 \\ 0 \\ 216$		Qvalue
17) N-NITROSO-DI-N-PROPYLAMINE	0.09 0.00 7.00 0.00 7.16	146 108 45 107 43	U 101	0,14 PPB N.D. N.D. N.D. 0.14 PPB	
18) HEXACHLOROETHANE 21) NITROBENZENE 22) ISOPHORONE	7.32	77	0 5511	N.D. 0.19 PPB	
23) 2.4 DIMETHYLPHENOL	0.00	82 107	0 0 3641	N.D. N.D.	
<pre>24) Benzoic Acid 25) 2-NITROPHENOL 26) BIS(2-CHLOROETHOXY)METHANE 27) 2.4 DICHLOROPHENOL CCC 28) 1.2.4 TRICHLOROBENZENE 29) NAPHTHALENE 30) 4-CHLOROANILINE 31) HEXACHLOROBUTADIENE CCC 32) 4-CHLORO-3-METHYLPHENOL CC 33) 2-METHYLNAPHTHALENE 34) 2-NITROANILINE 36) HEXACHLOROCYCLOPENTADIENE 37) 2.4.6-TRICHLOROPHENOL CCC 38) 2.4.5 TRICHLOROPHENOL CCC 38) 2.4.5 TRICHLOROPHENOL CCC 38) 2.4.5 TRICHLOROPHENOL 40) 2-CHLORONAPHTHALENE 41) DIMETHYLPHTHALATE 42) 2.6 DINITROTOLUENE 43) ACENAPHTHYLENE 44) 3-NITROANILINE 45) ACENAPHTHENE CCC 46) 2.4-DINITROPHENOL SPCC 47) 4-NITROPHENOL SPCC 48) DIBENZOFURAN 49) 2.4 DINITROTOLUENE 50) DIETHYLPHTHLATE 51) 4-CHLOROPHENYLPHENYL ETHER 120108 M THE ACCENTION AND AND AND AND AND AND AND AND AND AN</pre>	0.00 0.00 8.07 8.15 0.00 0.00 0.00 8.98 0.00 0.00	139 93 162 180 128 127 225 107 142 138 227	0 0 194 3085	N.D	# 1

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Data Path : C:\MSDCHEM\1\DATA\JA Data File : 01120915.D Acq On : 12 Jan 2009 5:46 p Operator : J. Aquilina Sample : bn smp 082.03*30 33g Misc : 1/9/09 ALS Vial : 16 Sample Multipli	109\01] m tcl			(NO Status)	
Quant Time: Jan 13 09:34:39 2009 Quant Title : QLast Update : Tue Dec 02 11:28: Response via : Initial Calibratio	on				
Internal Standards 52) FLUORENE	R.T.	QIon	Response	Conc Units	Dev(Min)
<ul> <li>52) FLUORENE</li> <li>53) 4-NITROANILINE</li> <li>55) 4.6-DINITRO-2-METHYLPHENOL</li> <li>56) N-NITROSODIPHENYLAMINE</li> <li>57) 1.2 DIPHENYLHYDRAZINE</li> <li>59) 4-BROMOPHENYLPHENYL ETHER</li> <li>60) HEXACHLOROBENZENE</li> <li>61) PENTACHLOROPHENOL CCC</li> <li>62) PHENANTHRENE</li> <li>63) ANTHRACENE</li> <li>64) CARBAZOLE</li> <li>65) DI-N-BUTYLPHTHALATE</li> <li>66) FLUORANTHENE CCC</li> <li>68) BENZIDINE</li> <li>69) PYRENE</li> <li>71) BUTYLBENZYLPHTHALATE</li> <li>73) BENZO(A) ANTHRACENE</li> <li>74) CHRYSENE</li> <li>76) 3.3'-DICHLOROBENZIDINE</li> <li>77) DI-N-OCTYL PHTHALATE CCC</li> <li>78) BENZO(B) FLOURANTHENE</li> <li>80) BENZO(A, PYRENE CCC</li> <li>81) DIBENZO(A, H) ANTHRACENE</li> <li>82) INDENO(1.2.3-CD) PYRENE</li> <li>83) BENZO(G, H, I) PERYLENE</li> </ul>	$\begin{array}{c} 10.91\\ 0.00\\ 0.00\\ 11.01\\ 11.08\\ 0.00\\ 0.00\\ 12.01\\ 12.07\\ 12.36\\ 12.75\\ 13.62\\ 0.00\\ 13.95\\ 15.12\\ 16.40\\ 16.19\\ 16.19\\ 16.19\\ 16.19\\ 16.19\\ 16.85\\ 18.74\\ 18.76\\ 19.46\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ \end{array}$	166 138 198 168 284 266 178 167 149 202 184 202 184 202 149 149 228 252 149 252 252 252 252 278 276 276	$\begin{array}{c} 1015\\ 0\\ 0\\ 273\\ 1475\\ 0\\ 0\\ 0\\ 4665\\ 2054\\ 413\\ 31821\\ 3120\\ 0\\ 2825\\ 3016\\ 27871\\ 5468\\ 5468\\ 0\\ 2318\\ 1553\\ 1553\\ 1553\\ 450\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ \end{array}$	N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D.	94 98
				ur aller verse anne dave vers anne verse vers aller aver vers aller a	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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				(Lio beacas)	
Data Path : C:\MSDChem\1\DATA\ja Data File : 01120915.D Acq On : 12 Jan 2009 5:46 p Operator : J. Aquilina Sample : bn smp 082.03*30 33g Misc : 1/9/09 ALS Vial : 16 Sample Multiplie	m tcl	.209bz	Α.		
Quant Time: Jan 13 09:31:41 2009 Quant Title : QLast Update : Thu Nov 13 09:14:2 Response via : Initial Calibratic	on				
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
<ol> <li>1, 4-DICHLOROBENZENE-d4 INT</li> <li>NAPHTHALENE-d8 INT. STD.</li> <li>ACENAPHTHENE-d10 INT. STD.</li> <li>PHENANTHRENE-d10 INT. STD.</li> <li>CHRYSENE-d12 INT. STD.</li> <li>PERYLENE-d12 INT. STD.</li> </ol>	6.64 8.12 10.22 11.99	150 136 162 188	1138858 2741735 1354541 1903860 1890580	40.00 PPB 40.00 PPB	-0.10 -0.09 -0.09 -0.08 -0.12
System Monitoring Compounds 3) NITROBENZENE-d5 SURR. 5) 2-FLUOROBIPHENYL SURR. 9) TERPHENYL-d14 SURR.	0 41	172	1863771 3220010		-0.10
Target Compounds 8) BENZIDINE 11) 3,3'-DICHLOROBENZIDINE	0.00	184 252	0 0	N.D. N.D.	Qvalue

(#) = 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 : bn smp 082.03*30 33g tcl Sample 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 Abundance TIC: 01120915.D 1e+07 9500000 9000000 8500000 8000000 2-FLUOROBIPHENYL SURR.,S 7500000 7000000 6500000 ACENAPHTHENE-410 INT. STD.,I TERPHENYL-d14 SURR.,S 6000000 5500000 PHENANTHRENE-d10 INT. STD.,J BARNAID-MUERE-d8 INT. STD.,I 5000000 NITROBENZENE; db SURR. S 4500000 1,4-DICHLOROBENZENE-d4 INT. STD.,J 4000000 BIS(2-ETHYLHEXYL)PHTHALATE, T CHRYSENE-412 INT. STD.,I 3500000 3000000 PERYLENE-d12 INT. STD., 1,2-DICHLOROBENZENE, T N-NITROSO-DI-N-PROPYLAMINE SPCC,T 2500000 2000000 DI-N-BUTYLPHTHALATE, T 1500000 1000000 500000

Time-> 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

			a ana ana ang ang ang ang ang ang ang an	
	Quantitation	Report	(No Status)	
Data Path : C:\MSDCHEM\1\DATA\ Data File : 01120016 D	JAN09\011209\			
Data File : 01120916.D Acq On : 12 Jan 2009 6:20				
Operator : J. Aquilina Sample : bn smp 082.04*30 3 Misc	pm			
Sample : bn smp 082.04*30 3 Misc : 1/9/09	3g tcl			
ALS Vial : 17 Sample Multip.	lior 1			
			M	
Quant Time: Jan 13 09:34:41 200 Quant Title :	09		Ŵ	
QLast Update : The Dec 02 11.00	3:49 2008			
Response via : Initial Calibrat	tion			
Internal Standards	PT OLON	Deter		
Internal Standards 1) 1.4-DICHLOROBENZENE-d4 IN		response	Conc Units	Dev(Min)
1) 1.4-DICHLOROBENZENE-d4 IN 19) NAPHTHALENE-d8 INT. STD. 35) ACENAPHTHENE-d10 INT. STD 54) PHENANTHRENE-d10 INT. STD 67) CHRYSENE-d12 INT. STD. 75) PERYLENE-d12 INT. STD. System Monitoring Company	T 6.65 150	1148491	40.00 PPB	-0.06
35) ACENAPHTHENE-d10 INT. STD	10.22 136	2717276	40.00 PPB	-0.06
67) CHRYSENE_d12 INT STD	). 11.98 188	1978939	40.00 PPB 40.00 PPR	-0.06
75) PERYLENE-d12 INT. STD.	16.20 240	1894012	40.00 PPB	-0.07
System Monitoria a	TO'OT 704	1199/4/	40.00 PPB	-0.09
System Monitoring Compounds 4) 2-FLUOROPHENOL SURR. 5) PHENOL-d6 SURR. 20) NITROBENZENE-d5 SURR. 39) 2-FLUOROBIPHENYL SURR. 58) 2.4.6 TRIBROMOPHENOL SURR	0.00.4.4			
5) PHENOL-d6 SURR.	0.00 112	0	0.00 PPB 0.00 PPB	
20) NITROBENZENE-d5 SURR.	7.30 82	1908135	0.00 PPB 75.87 PPB	0.04
58) 2,4,6 TRIBROMOPHENOL SURD	9.42 172	3232891	81.21 PPB 0.00 PPB	-0.05
58) 2.4.6 TRIBROMOPHENOL SURR 70) TERPHENYL-d14 SURR.	14.19 244	11	0.00 PPB 78.10 PPB	
Target Compounds		4204410	(0'IO FFR	-0.07
2) N-NITROSODIMETHYLAMINE	0.00 74	0		Qvalue
3) PYRIDINE 6) PHENOL CCC 7) aniline	0.00 79 0.00 94	0 0	N.D. N.D.	
7) aniline	0.00 94	0	N.D.	
8) BIS(2-CHLOROETHYL)ETHER	6.42 93 6.42 93	352 352	N.D.	
9) 2-CHLOROPHENOL 10) 1 3 DICHLOPOPENTERNE	0.00 128	0	N.D. N.D.	
<ul> <li>7) an1line</li> <li>8) BIS(2-CHLOROETHYL)ETHER</li> <li>9) 2-CHLOROPHENOL</li> <li>10) 1.3 DICHLOROBENZENE</li> <li>11) 1.4 DICHLOROBENZENE CCC</li> <li>12) benzyl alcohol</li> </ul>	6.66 146	1684	N.D.	
12) benzyl alcohol	0.00 146	1684	N.D. N.D.	
<pre>11) 1.4 DICHLOROBENZENE CCC 12) benzyl alcohol 13) 1.2-DICHLOROBENZENE 14) 2-METHYLPHENOL 15) BIS(2-CHLOROISOPROPYL)ETHE 16) 4-METHYLPHENOL 17) N-NITROSO-DI-N-PROPYLAMINE</pre>	0.00 146	1684 0 0	N.D.	
15) BIS(2-CHLOROISOPROPYL)ETHE	0.00 108	0 0 0	N.D. N.D.	
16) 4-METHYLPHENOL	0.00 107	0	N.D. N.D.	
17) N-NITROSO-DI-N-PROPYLAMINE 18) HEXACHLOROFTHANE	7.15 43	692	N.D.	
21) NITROBENZENE	$ \begin{array}{cccc} 0.00 & 117 \\ 7.30 & 77 \end{array} $	0	N.D.	
<ul> <li>17) HEXACHLOROETHANE</li> <li>18) HEXACHLOROETHANE</li> <li>21) NITROBENZENE</li> <li>22) ISOPHORONE</li> <li>23) 2.4 DIMETHYLPHENOL</li> <li>24) Benzoic Acid</li> </ul>	0.00 82	6018 0	0.21 PPB N.D.	# 28
24) Benzoic Acid	0.00 107	0	N.D.	
25) 2-NITROPHENOL	$7.93 105 \\ 0.00 139$	756 0	N.D.	
26) BIS(2-CHLOROETHOXY)METHANE 27) 2.4 DICHLOROPHENOL CCC 28) 1.2 4 TELCHOROPHENOL CCC	7.89 93	182	N.D. N.D.	
A A A A A A A A A A A A A A A A A A A	$\begin{array}{ccc} 0.00 & 162 \\ 8.07 & 180 \end{array}$	0	N.D.	
471 NAFFIIHALENE	8.14 128	196 1882	N.D. N.D.	
30) 4-CHLOROANILINE 31) HEXACHLOROBITADIENE CCC		0	N.D.	
31) HEXACHLOROBUTADIENE CCC 32) 4-CHLORO-3-METHYLPHENOL CC	0.00 225 0.00 107	0	N.D.	
33) 2-METHYLNAPHTHALENE 34) 2-NITROANILINE	8.99 142	0 1561	N, D. N. D.	
36) HEXACHLOROCYCLOPENTADIENE	0.00 138	0	N.D.	
<ul> <li>36) HEXACHLOROCYCLOPENTADIENE</li> <li>37) 2.4.6-TRICHLOROPHENOL CCC</li> <li>38) 2.4.5 TRICHLOROPHENOL</li> <li>40) 2-CHLORONAPHTHALENE</li> <li>41) DIMETHYLPHTHALATE</li> </ul>	0.00 237	0 0	N.D.	
40) 2.4,5 TRICHLOROPHENOL	0.00 196	0	N.D. N.D.	
41) DIMETHYLPHTHALATE	9.57 162	402	N.D.	
42) 2.6 DINITROTOLUENE 43) ACENAPHTHYLENE 44) 3-NITROANILINE 45) ACENAPHTHENE CCC 46) 2.4-DINITROPHENOL SPACE	10.00 163 0.00 165	403 0	N.D. N.D.	
44) 3-NITROANTETNE	10.06 152	1919	N.D.	
45) ACENAPHTHENE CCC	0.00 65 10.25 153	0	N.D.	
	0.00 184	548 0	N.D. N.D.	
47) 4-NITROPHENOL SPCC 48) DIBENZOFURAN	0.00 65	Ĥ	N.D.	
49) 2.4 DINITROTOLUENE		1410 459	N.D.	
JOI DIGINICPHINLATE	10.80 149	459 2746	N.D. N.D.	
51) 4-CHLOROPHENYLPHENYL ETHER		0	N.D.	
20108.M Tue Jan 13 09.34.41 2000	-			

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Data Path : C:\MSDCHEM\1\DATA\JA Data File : 01120916.D Acq On : 12 Jan 2009 6:20 p Operator : J. Aquilina Sample : bn smp 082.04*30 33g Misc : 1/9/09 ALS Vial : 17 Sample Multipli		.209\	-	(NO Status)	
Quant Time: Jan 13 09:34:41 2009 Quant Title : QLast Update : Tue Dec 02 11:28: Response via : Initial Calibration	49 2008 on				
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
Response via : Initial Calibrati Internal Standards 52) FLUORENE 53) 4-NITROANILINE 55) 4.6-DINITRO-2-METHYLPHENOL 56) N-NITROSODIPHENYLAMINE 57) 1.2 DIPHENYLHYDRAZINE 59) 4-BROMOPHENYLPHENYL ETHER 60) HEXACHLOROBENZENE 61) PENTACHLOROBENZENE 61) PENTACHLOROPHENOL CCC 62) PHENANTHRENE 63) ANTHRACENE 64) CARBAZOLE 65) DI-N-BUTYLPHTHALATE 66) FLUORANTHENE CCC 68) BENZIDINE 69) PYRENE 71) BUTYLBENZYLPHTHALATE 72) BIS(2-ETHYLHEXYL)PHTHALATE 73) BENZO(A)ANTHRACENE 74) CHRYSENE 76) 3.3'-DICHLOROBENZIDINE 77) DI-N-OCTYL PHTHALATE CCC 78) BENZO(A)PYRENE CCC 80) BENZO(A, PARENE CCC 81) DIBENZO(A, H)ANTHRACENE 82) INDENO(1.2,3-CD)PYRENE 83) BENZO(G,H,I)PERYLENE	$\begin{array}{c} 10.90\\ 0.00\\ 0.00\\ 0.00\\ 11.09\\ 0.00\\ 0.00\\ 12.02\\ 12.07\\ 0.00\\ 12.75\\ 13.63\\ 0.00\\ 13.95\\ 15.11\\ 16.39\\ 16.20\\ 16.20\\ 16.20\\ 0.00\\ 17.84 \end{array}$	$\begin{array}{c} 166\\ 138\\ 198\\ 77\\ 284\\ 266\\ 178\\ 167\\ 149\\ 202\\ 189\\ 202\\ 149\\ 228\\ 228\\ 249\\ 149\\ 228\\ 252\\ 149\\ 228\\ 252\\ 149\\ 149\\ 228\\ 252\\ 149\\ 149\\ 228\\ 252\\ 149\\ 149\\ 228\\ 252\\ 149\\ 149\\ 228\\ 252\\ 149\\ 149\\ 228\\ 252\\ 149\\ 149\\ 228\\ 252\\ 149\\ 149\\ 228\\ 252\\ 149\\ 149\\ 228\\ 252\\ 149\\ 149\\ 228\\ 252\\ 149\\ 149\\ 228\\ 252\\ 149\\ 149\\ 228\\ 252\\ 149\\ 149\\ 258\\ 258\\ 149\\ 149\\ 258\\ 258\\ 149\\ 149\\ 258\\ 258\\ 149\\ 149\\ 258\\ 258\\ 149\\ 149\\ 258\\ 258\\ 149\\ 149\\ 258\\ 258\\ 149\\ 149\\ 258\\ 258\\ 149\\ 149\\ 258\\ 258\\ 149\\ 149\\ 258\\ 258\\ 149\\ 149\\ 258\\ 258\\ 149\\ 149\\ 258\\ 258\\ 149\\ 149\\ 258\\ 258\\ 149\\ 149\\ 258\\ 258\\ 149\\ 149\\ 258\\ 258\\ 149\\ 149\\ 258\\ 258\\ 149\\ 149\\ 258\\ 258\\ 149\\ 149\\ 258\\ 258\\ 149\\ 149\\ 258\\ 258\\ 149\\ 149\\ 258\\ 258\\ 149\\ 149\\ 258\\ 258\\ 149\\ 149\\ 258\\ 258\\ 149\\ 149\\ 258\\ 258\\ 149\\ 149\\ 258\\ 258\\ 149\\ 149\\ 258\\ 258\\ 149\\ 149\\ 258\\ 258\\ 149\\ 149\\ 258\\ 258\\ 149\\ 149\\ 258\\ 258\\ 149\\ 149\\ 258\\ 258\\ 149\\ 149\\ 258\\ 258\\ 149\\ 149\\ 258\\ 258\\ 149\\ 149\\ 258\\ 149\\ 149\\ 258\\ 258\\ 149\\ 149\\ 258\\ 149\\ 149\\ 149\\ 258\\ 149\\ 149\\ 149\\ 149\\ 149\\ 149\\ 149\\ 149$	$\begin{array}{c} 511 \\ 0 \\ 0 \\ 2262 \\ 0 \\ 0 \\ 1954 \\ 398 \\ 0 \\ 27820 \\ 478 \\ 0 \\ 463 \\ 5114 \\ 29365 \\ 4751 \\ 4751 \\ 4751 \\ 0 \\ 1108 \end{array}$	N.D: N.D. N.D. N.D. N.D. N.D. N.D. N.D.	92 92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : C:\MSDChem\1\DATA\ja Data File : 01120916.D Acq On : 12 Jan 2009 6:20 p Operator : J. Aquilina Sample : bn smp 082.04*30 33g Misc : 1/9/09 ALS Vial : 17 Sample Multiplic Quant Time: Jan 13 09:31:51 2009 Quant Title : QLast Update : Thu Nov 13 09:14:2 Response via : Initial Calibratic	m tcl er: 1		Ύ,		
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
<ol> <li>1, 4-DICHLOROBENZENE-d4 INT</li> <li>2) NAPHTHALENE-d8 INT. STD.</li> <li>4) ACENAPHTHENE-d10 INT. STD.</li> <li>6) PHENANTHRENE-d10 INT. STD.</li> <li>7) CHRYSENE-d12 INT. STD.</li> <li>10) PERYLENE-d12 INT. STD.</li> </ol>	6.65 8.12 10.22 11.98	150 136 162 188	1149236 2709068 1352481 1978939	40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB	-0.09 -0.10 -0.09 -0.09 -0.12
	G 40	172	3232586	82.25 PPB 81.58 PPB 74.78 PPB	0 10
Target Compounds 8) BENZIDINE 11) 3,3'-DICHLOROBENZIDINE	0.00	184	Ο	N.D. N.D.	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

BZ111208.M Tue Jan 13 09:31:53 2009 J

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
		ta <b>de</b> extra

Quant Time: Jan 13 09:34:41 2009 Quant Title : QLast Update : Tue Dec 02 11:28:49 2008 Response via : Initial Calibration

## Abundance

Abundan 1.05e+(		TIC: 011;	20916.D		
1e+0	70				
950000	ο				
900000	10				
850000	0				
800000	0				
750000(	0				
7000000	A'L SURF				
6500000	2-FLUOROBIPHENYL SURR.S				
6000000	2-FLUOF STD.,I	s, a			
5500000		0 INT. STD.,I TERPHENYL-d14 SURR.,S			
5000000	JRR.,S BINT. STE	IT. STD.,I			
4500000	STD.,I NE(db.) ALENE-d8 ACENAI	NI OLD-BA			
4000000	ZENE-d4 INT. STD.,J NITROBENZENE,d5 SURR.,S NAPHTHALENE-d8 INT. STD.,J ACENAPHTHENE-d	PHENANTHRENE-d10 INT. STDI TERPHENYL			
3500000	BENZEN	BHER	A. STD.,I		
3000000	1.4-DICHLOROBENZENE-d4 INT. STD., J NITROBENZENE, d5 NAPHTHALENE		NE-d12 IN		
2500000	<b>C-+.</b>		CHRYSE	INT. STD	
2000000		Ë H	BIS(2-ETHYLHEXYL)PHTHALATE, HRYSENE-012 INT. STD., J	PERVLENE-d12 INT. STD.,I	
1500000		ТНАГАТ	ЕХҮС)РН	РЕКҮІ	
1000000		DI-N-BUTYLPHTHALATE, T	2-ETHYLF	11. ye war	
500000		N TO	BIS(		
0			8. A		

Time--> 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

	Quantitat.	ion Report	(No Status)	
Data Path : C:\MSDCHEM\1\DATA\ Data File : 01120917.D Acq On : 12 Jan 2009 6:54 Operator : J. Aquilina Sample : bn smp 082.05*30 3 Misc : 1/9/09 ALS Vial : 18 Sample Multip	JAN09\0112(	)9\		
Quant Time: Jan 13 09 34 43 20	ΛQ		ANC	
Quant Title : QLast Update : Tue Dec 02 11:2: Response via : Initial Calibra	<b>•</b> • • •		WX.	
Internal Standards	R.T. O	Ion Respons	e Conc Units	Dev(Min)
<ol> <li>1,4-DICHLOROBENZENE-d4 IN</li> <li>19) NAPHTHALENE-d8 INT. STD.</li> <li>35) ACENAPHTHENE-d10 INT. STI</li> <li>54) PHENANTHRENE-d10 INT. STD.</li> <li>67) CHRYSENE-d12 INT. STD.</li> <li>75) PERYLENE-d12 INT. STD.</li> </ol>	VT 6.64 8.11 0. 10.22 0. 11.99 16.19 19.52	150 1188546 136 2917994 162 1394200 188 2059861 240 1994149 264 1296330	40.00 PFB 40.00 PFB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB	$\begin{array}{c} -0.07 \\ -0.06 \\ -0.05 \\ -0.05 \\ -0.08 \\ -0.08 \end{array}$
<ul> <li>4) 2-FLUOROPHENOL SURR.</li> <li>5) PHENOL-d6 SURR.</li> <li>20) NITROBENZENE-d5 SURR.</li> <li>39) 2-FLUOROBIPHENYL SURR.</li> <li>58) 2.4.6 TRIBROMOPHENOL SURR</li> <li>70) TERPHENYL-d14 SURR.</li> </ul>	$\begin{array}{ccc} 0.00 & 1 \\ 0.00 & \\ 7.31 & \end{array}$	12 0     99 0     82 1636020	0.00 PPB 0.00 PPB	
<ul> <li>2) N-NITROSODIMETHYLAMINE</li> <li>2) N-NITROSODIMETHYLAMINE</li> <li>3) PYRIDINE</li> <li>6) PHENOL CCC</li> <li>7) aniline</li> <li>8) BIS(2-CHLOROETHYL)ETHER</li> <li>9) 2-CHLOROPHENOL</li> <li>10) 1.3 DICHLOROBENZENE</li> <li>11) 1.4 DICHLOROBENZENE CCC</li> <li>12) benzyl alcohol</li> <li>13) 1.2-DICHLOROBENZENE CCC</li> <li>14) 2-METHYLPHENOL</li> <li>15) BIS(2-CHLOROISOPROPYL)ETHE</li> <li>16) 4-METHYLPHENOL</li> <li>17) N-NITROSO-DI-N-PROPYLAMINE</li> <li>18) HEXACHLOROETHANE</li> <li>21) NITROBENZENE</li> <li>22) ISOPHORONE</li> <li>23) 2.4 DIMETHYLPHENOL</li> <li>24) Benzoic Acid</li> <li>25) 2-NITROPHENOL</li> <li>26) BIS(2-CHLOROETHOXY)METHANE</li> <li>27) 2.4 DICHLOROPHENOL CCC</li> <li>28) 1.2.4 TRICHLOROBENZENE</li> <li>29) NAPHTHALENE</li> <li>30) 4-CHLOROANILINE</li> <li>31) HEXACHLOROBUTADIENE CCC</li> <li>32) 2-METHYLNAPHTHALENE</li> <li>34) 2-NITROANILINE</li> <li>35) 4-CHLOROCYCLOPENTADIENE</li> <li>36) HEXACHLOROCYCLOPENTADIENE</li> <li>37) 2.4, 6-TRICHLOROPHENOL CCC</li> <li>38) 2.4.5 TRICHLOROPHENOL CCC</li> <li>38) 2.4.5 TRICHLOROPHENOL</li> <li>39) 2.4.5 TRICHLOROPHENOL</li> <li>40) 2-CHLORONAPHTHALENE</li> <li>41) DIMETHYLPHTHALATE</li> <li>42) 2.6 DINITROTOLUENE</li> <li>43) ACENAPHTHYLENE</li> <li>44) 3-NITROANILINE</li> <li>45) ACENAPHTHENE CCC</li> <li>46) DIMETROPHENOL SPCC</li> <li>47) 4-NITROPHENOL SPCC</li> </ul>	0.00 0.00 0.00 6.40 6.40 6.40 6.62 1.4 6.62 1.4 6.689 1.4 0.00 10 7.08 4 0.00 10 7.08 4 0.00 10 7.08 4 0.00 10 7.08 4 0.00 10 7.08 4 0.00 11 7.31 7 0.00 8.12 10 0.00 13 7.88 9.00 163 8.08 124 0.00 125 0.00 125 0.00 125 0.00 137 8.08 124 0.00 125 0.00 125 0.00 125 0.00 125 0.00 125 0.00 125 0.00 125 0.00 125 0.00 125 0.00 152 0.00 152 0.00 153 0.00 153 0.00 154 10.26 153 0.00 184 0.00 165 10.26 153 0.00 184 0.00 165 10.26 153 0.00 184 0.00 165 10.26 153 0.00 184 0.00 165 10.26 153 0.00 184 0.00 165 10.26 153 0.00 184 0.00 165 10.26 153 0.00 184 0.00 165 10.26 153 0.00 165 10.26 153 0.00 165 10.26 153 0.00 165 10.26 153 0.00 165 10.26 153 0.00 165 10.26 153 0.00 165 10.26 153 0.00 165 10.26 153 0.00 165 10.26 153 0.00 165 10.26 153 0.00 165 10.26 153 10.05 152 10.05 152 10.05 152 10.05 152 10.05 152 10.05 152 10.05 152 10.05 152 10.05 152 10.05 152 10.05 152 10.05 152 10.05 152 10.05 152 10.05 153 10.05 153 10.05 153 10.05 153 10.05 155 10.05 155 10.05 155 10.05 155 10.05 155 10.05 155 10.05 155 10.05 155 10.05 155 10.05 155 10.05 155 10.05 155 10.05 155 10.05 155 10.05 155 10.05 155 10.05 155 10.05 155 10.05 155 10.05 155 10.05 155 10.05 155 10.05 155 10.05 155 10.05 155 10.05 155 10.05 155 10.05 155 10.05 155 10.05 10.05 10.05 10	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	N.D. N.D. N.D. N.D. N.D. N.D. 0.11 PPB N.D. 0.31 PPB N.D. N.D. N.D. N.D. N.D. N.D. N.D.	Qvalue

3120108.M Tue Jan 13 09:34:43 2009 J

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 11:28:4 Response via : Initial Calibratic	19 2008 Sn							
Internal Standards 52) FLUORENE	R.T.	QIon	Response	Conc Units	Dev	(Min)		
<ul> <li>52) FLUORENE</li> <li>52) FLUORENE</li> <li>53) 4-NITROANILINE</li> <li>55) 4.6-DINITRO-2-METHYLPHENOL</li> <li>56) N-NITROSODIPHENYLAMINE</li> <li>57) 1.2 DIPHENYLHYDRAZINE</li> <li>59) 4-BROMOPHENYLPHENYL ETHER</li> <li>60) HEXACHLOROBENZENE</li> <li>61) PENTACHLOROPHENOL CCC</li> <li>62) PHENANTHRENE</li> <li>63) ANTHRACENE</li> <li>64) CARBAZOLE</li> <li>65) DI-N-BUTYLPHTHALATE</li> <li>66) FLUORANTHENE CCC</li> <li>68) BENZIDINE</li> <li>69) PYRENE</li> <li>71) BUTYLBENZYLPHTHALATE</li> <li>73) BENZO(A)ANTHRACENE</li> <li>74) CHRYSENE</li> <li>76) 3.3'-DICHLOROBENZIDINE</li> <li>77) DI-N-OCTYL PHTHALATE CCC</li> <li>78) BENZO(B) FLOURANTHENE</li> <li>79) BENZO(K)FLUORANTHENE</li> <li>80) BENZO(A)PYRENE CCC</li> <li>81) DIBENZO(A, H)ANTHRACENE</li> <li>82) INDENO(1,2,3-CD)PYRENE</li> <li>83) BENZO(G,H,I)PERYLENE</li> </ul>	$\begin{array}{c} 10,90\\ 0.00\\ 0.00\\ 0.00\\ 11,11\\ 0.00\\ 0.00\\ 12.01\\ 12.08\\ 12.35\\ 12.75\\ 13.60\\ 0.00\\ 13.94\\ 15.11\\ 16.39\\ 16.20\\ 16.23\\ 0.00\\ 17.86\\ 18.70\\ 18.74\\ 19.44\\ 0.00\\ \end{array}$	$\begin{array}{c} 166\\ 138\\ 198\\ 168\\ 77\\ 248\\ 284\\ 266\\ 178\\ 178\\ 167\\ 149\\ 202\\ 184\\ 202\\ 149\\ 228\\ 228\\ 252\\ 149\\ 252\\ 252\\ 252\\ 252\\ 278\\ \end{array}$	$\begin{array}{c} 824\\ 0\\ 0\\ 0\\ 3045\\ 0\\ 0\\ 0\\ 4239\\ 1012\\ 180\\ 25228\\ 8194\\ 0\\ 7994\\ 4569\\ 35076\\ 7316\\ 5225\\ 0\\ 1614\\ 3132\\ 6750\\ 2451\\ 0\\ \end{array}$	N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D.	#	92 98 96 92 66 55		
83) BENZO(G.H,I)PERYLENE	0,00	276 276	0 0	N.D. N.D.				

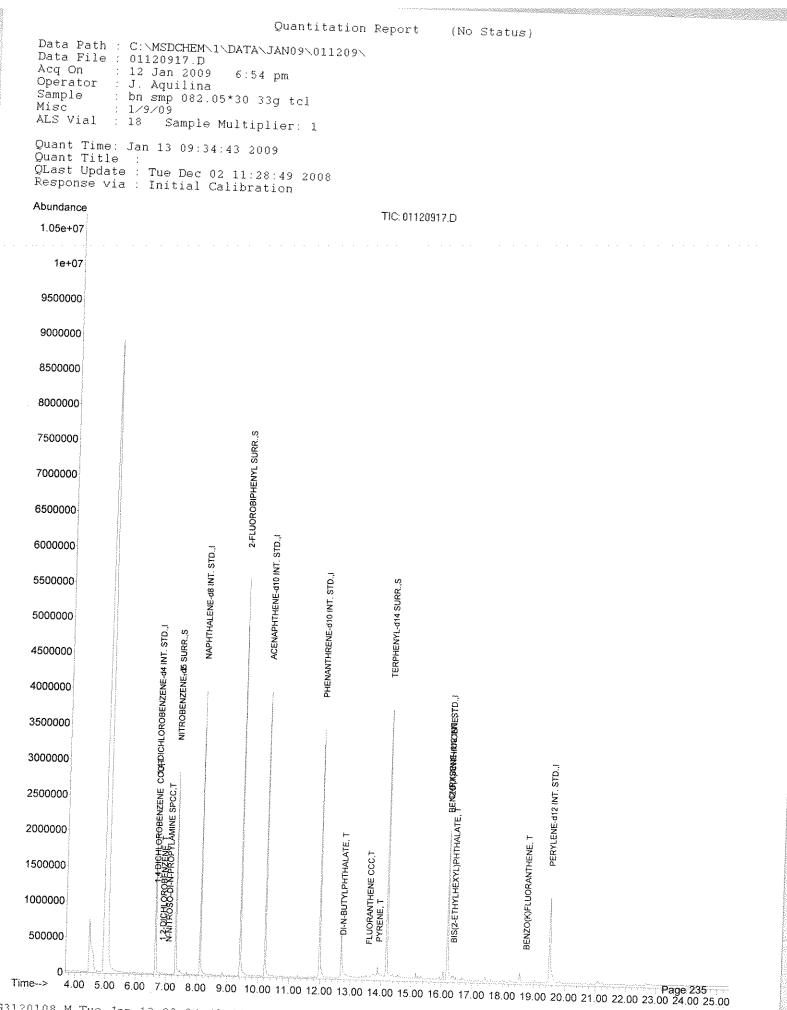
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Page 233

			<b>L</b>	(no ocacus)	
Data Path : C:\MSDChem\l\DATA\ja Data File : 01120917.D Acq On : 12 Jan 2009 6:54 p Operator : J. Aquilina Sample : bn smp 082.05*30 33g Misc : 1/9/09 ALS Vial : 18 Sample Multiplic	tcl	1209bz	21		
Quant Time: Jan 13 09:31:58 2009 Quant Title : QLast Update : Thu Nov 13 09:14:2 Response via : Initial Calibratic	22 2008 on				
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
<ol> <li>1, 4-DICHLOROBENZENE-d4 INT</li> <li>NAPHTHALENE-d8 INT. STD.</li> <li>ACENAPHTHENE-d10 INT. STD.</li> <li>PHENANTHRENE-d10 INT. STD.</li> <li>CHRYSENE-d12 INT. STD.</li> <li>PERYLENE-d12 INT. STD.</li> </ol>	6.64 8.11 10.22 11.99	150 136 162 188	1190737 2909695 1395728 2059861	40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB	-0.10 -0.10 -0.09 -0.08 -0.13
9) TERPHENYL-d14 SURR.				66.04 PPB	-0.11
Target Compounds 8) BENZIDINE 11) 3,3'-DICHLOROBENZIDINE	0.00	184 252	0 0	N.D. N.D.	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

BZ111208.M Tue Jan 13 09:32:01 2009 J



	Quantit.	ation	Report	(No Status)	
Data Path : C:\MSDCHEM\1\DATA\ Data File : 01120918.D Acq On : 12 Jan 2009 7:29 Operator : J. Aquilina Sample : bn smp 082.06*30 33 Misc : 1/9/09 ALS Vial : 19 Sample Multipl	pm }g tcl	1209			
Quant Time: Jan 13 09:34:45 200 Quant Title : QLast Update : Tue Dec 02 11:28 Response via : Initial Calibrat	19 11 10 0000	ì		MC	
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 IN 19) NAPHTHALENE-d8 INT. STD. 35) ACENAPHTHENE-d10 INT. STD 54) PHENANTHRENE-d10 INT. STD 67) CHRYSENE-d12 INT. STD. 75) PERYLENE-d12 INT. STD.					
<ul> <li>4) 2-FLUOROPHENOL SURR.</li> <li>5) PHENOL-d6 SURR.</li> <li>20) NITROBENZENE-d5 SURR.</li> <li>39) 2-FLUOROBIPHENYL SURR.</li> <li>58) 2.4.6 TRIBROMOPHENOL SURR.</li> <li>70) TERPHENYL-d14 SURR.</li> </ul>	0 00	114	_		-0.06 -0.06
<pre>Target Compounds 2) N-NITROSODIMETHYLAMINE 3) PYRIDINE 6) PHENOL CCC 7) aniline 8) BIS(2-CHLOROETHYL)ETHER 9) 2-CHLOROPHENOL 10) 1.3 DICHLOROBENZENE 11) 1.4 DICHLOROBENZENE 11) 1.4 DICHLOROBENZENE 12) benzyl alcohol 13) 1.2-DICHLOROBENZENE 14) 2-METHYLPHENOL 15) BIS(2-CHLOROISOPROPYL)ETHE 16) 4-METHYLPHENOL 17) N-NITROSO-DI-N-PROPYLAMINE 18) HEXACHLOROETHANE 21) NITROBENZENE 22) ISOPHORONE 23) 2.4 DIMETHYLPHENOL 24) Benzoic Acid 25) 2-NITROPHENOL 26) BIS(2-CHLOROETHOXY)METHANE 27) 2.4 DICHLOROPHENOL CCC 28) 1.2.4 TRICHLOROBENZENE 29) NAPHTHALENE 30) 4-CHLOROANILINE 31) HEXACHLOROBUTADIENE CCC 32) 4-CHLOROANILINE 31) HEXACHLOROBUTADIENE CCC 33) 2-METHYLNAPHTHALENE 34) 2-NITROANILINE 35) ACENAPHTHYLPHTHALATE 41) DIMETHYLPHTHALATE 42) 2.6 DINITROTOLUENE 43) ACENAPHTHENE CCC 44) 3-NITROANILINE 45) ACENAPHTHENE CCC 46) 2.4-DINITROPHENOL SPCC 47) 4-NITROPHENOL SPCC 47) 4-NITROPHENOL SPCC 48) DIBENZOFURAN 49) 2.4 DINITROTOLUENE 50) DIETHYLPHTHLATE 51) 4-CHLOROPHENYLPHENYL ETHER 51) 4-CHLOROPHENYLPHENYL ETHER 51) 4-CHLOROPHENYLPHENYL ETHER 51) 4-CHLOROPHENYLPHENYL ETHER 51) 4-CHLOROPHENYLPHENYL ETHER 51) 4-CHLOROPHENYLPHENYL ETHER 51) 4-CHLOROPHENYLPHENYL ETHER 51) 4-CHLOROPHENYLPHENYL ETHER 51) 4-CHLOROPHENYLPHENYL ETHER 51) 4-CHLOROPHENYLPHENYL ETHER 51) 4-CHLOROPHENYLPHENYL ETHER 51) 4-CHLOROPHENYLPHENYL ETHER 51) 4-CHLOROPHENYLPHENYL ETHER 51) 4-CHLOROPHENYLPHENYL ETHER 51) 4-CHLOROPHENYLPHENYL ETHER 51) 4-CHLOROPHENYLPHENYL ETHER 51) 4-CHLOROPHENYLPHENYL ETHER 51) 4-CHLOROPHENYLPHENYL ETHER 51) 4-CHLOROPHENYLPHENYL ETHER 51) 4-CHLOROPHENYLPHENYL ETHER 51) 4-CHLOROPHENYLPHENYL ETHER 51) 4-CHLOROPHENYLPHENYL ETHER 51) 4-CHLOROPHENYLPHENYL ETHER 51) 4-CHLOROPHENYLPHENYL ETHER 51) 4-CHLOROPHENYLPHENYL ETHER 51) 4-CHLOROPHENYLPHENYL ETHER 51) 4-CHLOROPHENYLPHENYL ETHER 51) 4-CHLOROPHENYLPHENYL ETHER 51) 4-CHLOROPHENYLPHYLPHYLPHYLPHYLPHYLPHYLPHYLPHYLPHYLPH</pre>	0.00 0.00 0.00 0.00 0.00 6.62 6.60 0.00 0.00 0.00 0.00 7.15 0.00 7.30 0.00 7.30 0.00 8.12 0.00 0.00 8.12 0.00 0.00 8.12 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	127 225 107 142 237 196 196 162 163 165 152 65 153 184	0 0 213 463 0	N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D.	Qvalue # 8

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Data Path : C:\MSDCHEM\1\DATA\JA Data File : 01120918.D Acq On : 12 Jan 2009 7:29 p Operator : J. Aquilina Sample : bn smp 082.06*30 33g Misc : 1/9/09 ALS Vial : 19 Sample Multipli			~~p~r 0	(NO STATUS)	
Quant Time: Jan 13 09:34:45 2009 Quant Title : QLast Update : Tue Dec 02 11:28: Response via : Initial Calibratic	49 2008 on				
Internal Standards 52) FLUORENE	R.T.	QIon	Response	Conc Units	Dev(Min)
<ul> <li>53) 4-NITROANILINE</li> <li>55) 4.6-DINITRO-2-METHYLPHENOL</li> <li>56) N-NITROSODIPHENYLAMINE</li> <li>57) 1.2 DIPHENYLHYDRAZINE</li> <li>59) 4-BROMOPHENYLPHENYL ETHER</li> <li>60) HEXACHLOROBENZENE</li> <li>61) PENTACHLOROPHENOL CCC</li> <li>62) PHENANTHRENE</li> <li>63) ANTHRACENE</li> <li>64) CARBAZOLE</li> <li>65) DI-N-BUTYLPHTHALATE</li> <li>66) FLUORANTHENE CCC</li> <li>68) BENZIDINE</li> <li>69) PYRENE</li> <li>71) BUTYLBENZYLPHTHALATE</li> </ul>	0.00 0.00 11.08 0.00 0.00 12.01 12.07 0.00 12.74 13.64 0.00 13.97 15.12	138 198 168 77 248 284 266 178 167 149 202 184 202 184	$ \begin{array}{c} 0 \\ 0 \\ 456 \\ 0 \\ 0 \\ 1874 \\ 179 \\ 0 \\ 17435 \\ 614 \\ 0 \\ 433 \\ 2499 \\ \end{array} $	N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D.	92
<ul> <li>72) BIS(2-ETHYLHEXYL)PHTHALATE</li> <li>73) BENZO(A)ANTHRACENE</li> <li>74) CHRYSENE</li> <li>76) 3.3'-DICHLOROBENZIDINE</li> <li>77) DI-N-OCTYL PHTHALATE CCC</li> <li>78) BENZO(B)FLOURANTHENE</li> <li>79) BENZO(K)FLUORANTHENE</li> <li>80) BENZO(A)PYRENE CCC</li> <li>81) DIBENZO(A, H)ANTHRACENE</li> <li>82) INDENO(1, 2, 3-CD)PYRENE</li> <li>83) BENZO(G, H, I)PERYLENE</li> </ul>	16.20 16.20 0.00 17.84 0.00 0.00 0.00 0.00 0.00 0.00	228 252 149 252 252 252 252 252 278 276	5461 5461 0 241 0 0 0 0 0	0.32 PPB N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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-d4INT6.64150116203940.00PPB2)NAPHTHALENE-d8INT.STD.8.11136277451440.00PPB4)ACENAPHTHENE-d10INT.STD.10.22162137220440.00PPB6)PHENANTHRENE-d10INT.STD.11.98188203664740.00PPB7)CHRYSENE-d12INT.STD.16.20240196954740.00PPB10)PERYLENE-d12INT.STD.19.51264136138540.00PPB -0.10-0.10-0.09 -0.09 10) PERYLENE-d12 INT. STD. -0.12 -0.14System Monitoring Compounds 3) NITROBENZENE-d5 SURR. 7.30 82 1819556 76.58 PPB 9.41 172 3160246 78.61 PPB 14.20 244 2985467 72.46 PPB 5) 2-FLUOROBIPHENYL SURR. -0.119) TERPHENYL-d14 SURR. -0.10 -0.11 Target Compounds 8) BENZIDINE Qvalue 0.00 184 11) 3,3'-DICHLOROBENZIDINE 0.00 252 0 N.D. 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)

TIC: 01120918.D

Data Path	1	C:\MSDCHEM\1\DATA\JAN09\011209\
pata rile	- 1	U1120918,D
Acq On	;	12 Jan 2009 7.29 pm
Operator	;	J. Aquilína
Sample	:	bn smp 082.06*30 33g tcl
Misc	:	1/9/09
ALS Vial	:	19 Sample Multiplier: 1
		trinnen an terretari an terretari an terretari an terretari an terretari an terretari an terretari an terretari

Quant Time: Jan 13 09:34:45 2009 Quant Title : QLast Update : Tue Dec 02 11:28:49 2008 Response via : Initial Calibration

## Abundance

1.05e+07 1e+07 9500000 9000000 8500000 2-FLUOROBIPHENYL SURR, S 8000000 7500000 7000000 6500000 ACENAPHTHENE-d10 INT. STD. TERPHENYL-d14 SURR.,S 6000000 NAPHTHALENE-d8 INT, STD, J 5500000 5000000 PHENANTHRENE-d10 INT. STD.,I NITROBENZENE, db SURR., S 1,4-DICHLOROBENZENE-d4 INT. STD.,I 4500000 4000000 BIS(2-ETHYLHEXYL)PHTHALATE, CHRYSENE-d12 INT. STD.,I 3500000 3000000 PERYLENE-d12 INT. STD., N-NITROSO-DI-N-PROPYLAMINE SPCC.T 2500000 2000000 DI-N-BUTYLPHTHALATE, T 1500000 1000000 500000 0 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 Time-->

(**c**)

60.55

6. 				report	(No Status)	
	Data Path : C:\MSDCHEM\1\DATA\JA Data File : 01120919.D Acq On : 12 Jan 2009 8:03 p Operator : J. Aquilina Sample : bn smp 082.07*30 33c Misc : 1/9/09	om J tel			,	
	ALS Vial : 20 Sample Multipli	ier: 1		1		
	Quant Time: Jan 13 09:34:47 2009 Quant Title :	)		and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se		
	QLast Update : Tue Dec 02 11:28: Response via : Initial Calibrati	49 2008 .on	3	V	-	
	Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
	<ol> <li>1.4-DICHLOROBENZENE-d4 INT</li> <li>19) NAPHTHALENE-d8 INT. STD.</li> <li>35) ACENAPHTHENE-d10 INT. STD.</li> <li>54) PHENANTHRENE-d10 INT. STD.</li> <li>67) CHRYSENE-d12 INT. STD.</li> <li>75) PERYLENE-d12 INT. STD.</li> </ol>	6.64 8.11 10.22 11.98 16.18 19.52	150 136 162 188 240 264	1085732 2690218 1335536 1945501 1885765	40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB	-0.07 -0.06 -0.05 -0.05 -0.09
	<ul> <li>4) 2-FLUOROPHENOL SURR.</li> <li>5) PHENOL-d6 SURR.</li> <li>20) NITROBENZENE-d5 SURR.</li> <li>39) 2-FLUOROBIPHENYL SURR.</li> </ul>	0.00 0.00 7.30 9.41	112 99 82 172	0 0 1834841 3177005	0.00 PPB 0.00 PPB 73.69 PPB	-0.06 -0.06 -0.06
	<pre>2) N-NITROSODIMETHYLAMINE 3) PYRIDINE 6) PHENOL CCC 7) aniline 8) BIS(2-CHLOROETHYL)ETHER 9) 2-CHLOROPHENOL 10) 1,3 DICHLOROBENZENE 11) 1,4 DICHLOROBENZENE 11) 1,4 DICHLOROBENZENE CCC 12) benzyl alcohol 13) 1,2-DICHLOROBENZENE 14) 2-METHYLPHENOL 15) BIS(2-CHLOROISOPROPYL)ETHE 16) 4-METHYLPHENOL 15) BIS(2-CHLOROISOPROPYL)ETHE 16) 4-METHYLPHENOL 17) N-NITROSO-DI-N-PROPYLAMINE 18) HEXACHLOROETHANE 21) NITROBENZENE 22) ISOPHORONE 23) 2.4 DIMETHYLPHENOL 24) Benzoic Acid 25) 2-NITROPHENOL 26) BIS(2-CHLOROETHOXY)METHANE 27) 2.4 DICHLOROPHENOL CCC 28) 1,2,4 TRICHLOROBENZENE 29) NAPHTHALENE</pre>	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	74 79 93 128 146 146 79 146 108 45 107 43 117 77 807 105 139 162 128 128 128 128 128 128 127 105 139 162 128 128 127 128 128 128 128 128 128 128 128 128 128 128 127 128 128 127 128 128 128 128 127 128 128 127 128 128 128 127 128 128 127 128 127 128 127 128 127 128 127 128 127 128 127 128 127 128 127 129 128 127 128 127 128 127 128 127 128 127 128 127 128 127 128 127 128 127 128 127 128 127 128 127 128 127 128 127 128 127 128 127 128 127 128 127 128 127 128 127 128 127 126 128 127 128 127 126 128 127 126 128 126 128 126 128 126 128 126 128 126 128 126 128 126 128 126 128 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126 126	$egin{array}{c} 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 459\\ 466\\ 0\\ 0\\ 1375\\ 0\\ 1375\\ 0\\ 0\\ 1375\\ 0\\ 0\\ 1375\\ 0\\ 0\\ 1529\\ 0\\ 0\\ 1529\\ 0\\ 0\\ 2834\\ 246\\ 0\\ 0\\ 2834\\ 246\\ 0\\ 0\\ 827 \end{array}$	N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D.	Qvalue

Quantitation Report (No Status)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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			report	(NO Status)	
Data Path : C:\MSDChem\1\DATA\ja Data File : 01120919.D Acq On : 12 Jan 2009 8:03 p Operator : J. Aquilina Sample : bn smp 082.07*30 33g Misc : 1/9/09 ALS Vial : 20 Sample Multipli	m tcl	1209bz	2 \		
Quant Time: Jan 13 09:32:24 2009 Quant Title : QLast Update : Thu Nov 13 09:14:2 Response via : Initial Calibratic	22 2008 on				
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
<ol> <li>1,4-DICHLOROBENZENE-d4 INT</li> <li>2) NAPHTHALENE-d8 INT. STD.</li> <li>4) ACENAPHTHENE-d10 INT. STD.</li> <li>6) PHENANTHRENE-d10 INT. STD.</li> <li>7) CHRYSENE-d12 INT. STD.</li> <li>10) PERYLENE-d12 INT. STD.</li> </ol>	6.64 8.11 10.22 11.98	150 136 162 188 240	1088454 2690218 1330788 1938359 1881294	40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB 40.00 PPB	-0.10 -0.10 -0.09 -0.09 -0.13
System Monitoring Compounds 3) NITROBENZENE-d5 SURR. 5) 2-FLUOROBIPHENYL SURR. 9) TERPHENYL-d14 SURR. Target Compounds			1842008 3189418 2851022	79.95 PPB 81.81 PPB	-0.11
8) BENZIDINE 11) 3,3'-DICHLOROBENZIDINE	0.00	184 252	0 0	N.D. N.D.	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

BZ111208.M Tue Jan 13 09:32:27 2009 J

			Quantitation	Report (N	- <u>Chaba</u>	
	Acq On Operator Sample	12 Jan 2009 8 J. Aquilina bn smp 082.07*3	TA\JAN09\011209\ :03 pm 0 33g tcl		o Status)	
	QLast Updat	Jan 13 09:34:47 ; e : Tue Dec 02 1 a : Initial Cali	1.00.40.0000			
	Abundance			TIC: 01120919.D		
	1.05e+07					
	1e+07					
	9500000					
	900000					
	8500000					
	8000000		JRR.,S			
	7500000		tenyl si			
	700000		2-FLUOROBIPHENYL SURR.,S			
	6500000		2-FLU			
	6000000					
	5500000	_	L, STD, J	ŔR,S		
	5000000	RR.,S INT. STD.,J	E-dt0 INT.	d14 SURF		
	4500000	ENE-d4 INT. STD.,J NITROBENZENE;d5 SURR.,S NAPHTHALENE-d8 INT. ST	ACENAPHTHENE-d10 IN	TERPHENYL-d14 SUI		
	4000000	14 INT. ST DBENZED JAPHTHA	ACENA	LE L		
	3500000	1.4-DICHLOROBENZENE-d4 INT. STD., J NITROBENZENE,d NAPHTHALEN	PHEN	L		
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	500000		DI-N-BUTYLPHTHALATE,	BGHEYEHEXVI,PHTTHALATE, GENZIOENEARD, J	BENZO(R)FLOORANTHENE, 7 PERYLENE-	Page 243 23.00 24.00 25.00
	0			<b>L</b>	<b>23</b>	
Tim	e> 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 1	7.00 18.00 19.00 20.00 21.00 22.00	Page 243
3312(	)108.M Tue J.	an 13 09:34:47 2	009 .T		20.00 21.00 22.00	23.00 24.00 25.00

## Quantitation Report

Data Pith : C:-MSECHEN-I-DATA-JANGP-01128-A Data File : 0112030 D Acq On : 12 Jan 2009 8:37 pm Chestor : 1. Apullan Misco : 1. Sample Multiplier : 1 Ouant Time. Jan 13 09:34 45 2009 Chestor : 1. C:-MSECHEN & 1. 2019 Chestor : 1. Compared Multiplier : 1 Ouant Time. Jan 13 09:34 45 2009 Chestor : 1. C. Sample Multiplier : 1 Ouant Time. Jan 13 09:34 45 2009 Chestor : 1. C. Sample Multiplier : 1 Ouant Time. Jan 13 09:34 45 2009 Chestor : 1. C. Sample Multiplier : 1 Ouant Time. Jan 13 09:34 45 2009 Chestor : 1. C. Sample Multiplier : 1 Ouant Time. Jan 13 09:34 45 2009 Chestor : 1. C. Sample Multiplier : 1 Ouant Time. Jan 13 09:34 45 2009 Chestor : 1. C. Sample Multiplier : 1 Ouant Time. Jan 13 09:34 45 2009 Chestor : 1. C. Sample Multiplier : 1 Ouant Time. Jan 13 09:34 45 2009 Chestor : 1. C. Sample Multiplier : 1 Ouant Time. Jan 13 09:34 45 2009 Chestor : 1. C. Sample Multiplier : 1 Ouant Time. Jan 13 09:34 45 2009 Theread Stambards Multiplier : 1 Ouant Time. Jan 13 09:34 45 2009 Theread Stambards Multiplier : 1 Ouant Time. Jan 13 10 000 PPB - 0.05 C. System Monitoring Compounder System Monitoring Compounder System Monitoring Compounder System Monitoring Compounder J FFENCZ-66 SURE. 0.00 Jil 2 0 0.00 PPB - 0.06 C. D. DPPB - 0.06 D. TERPHENYL - 414 SURE. 14. 172 2439122 6. 70 00 PPB - 0.06 D. D. DPPB - 0.06 D. TERPHENYL - 414 SURE. 14. 122 244 2454404 74 87 PPB - 0.06 D. D. DPPB -		Quantitation	Report	(No Status)
Olast Update       Tue Dac 02 11:28:49 2006         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 PFB -0.06         1)       1.4-PICHLOROBENZENE-d4 INT. 510 1.1231297       40.00 PFB -0.06         1)       1.4-PICHLOROBENZENE-d4 INT. STD. 1.12 136 2863720       40.00 PFB -0.05         10       NEMPTHALENE-d10 INT. STD. 1.12 136 2863720       40.00 PFB -0.05         11       NEMPTHALENE-d10 INT. STD. 1.19 188 1720335       40.00 PFB -0.05         12       NEWSENE-d12 INT. STD. 1.19 188 1720335       40.00 PFB -0.06         13       NEWSENE-d12 INT. STD. 1.13.52       264 963778       40.00 PFB -0.06         14       2-ELUDGORDENE-015 SURR.       0.00 112       0       0.00 PFB -0.06         15       PHENOL-d6 SURR.       0.00 330       0       0.00 PFB -0.06         20       NTROBENE-MOL SURR.       14.21 244 2454404       74.87 PFB -0.06         21       PHENOL-d14 SURR.       14.21 244 2454404       74.87 PFB -0.06         23       PARITROSENE-MOLETHYLANINE       0.00 74       0       N.D.         24       1.42 144 2454404       74.87 PFB -0.06       0.06         25       93 235 <td>Data Path : C:\MSDCHEM\1\DATA\J Data File : 01120920.D Acq On : 12 Jan 2009 8:37 Operator : J. Aquilina Sample : bn smp 082.09*30 33 Misc : 1/9/09 ALS Vial : 21 Sample Multipl</td> <td>VAN09∖011209∖ pm :g tcl ier: 1</td> <td></td> <td></td>	Data Path : C:\MSDCHEM\1\DATA\J Data File : 01120920.D Acq On : 12 Jan 2009 8:37 Operator : J. Aquilina Sample : bn smp 082.09*30 33 Misc : 1/9/09 ALS Vial : 21 Sample Multipl	VAN09∖011209∖ pm :g tcl ier: 1		
19) NAPHTHALENE-d0 INT. STD.       8.12       136       281320       40.00       PPB       -0.06         35) ACENAPTHENE-d10 INT. STD.       10.22       12       186009       40.00       PPB       -0.05         61) PHENANTHRENE-d10 INT. STD.       11.99       188       1720355       40.00       PPB       -0.05         75) PERVLENE-d12 INT. STD.       19.55       264       963778       40.00       PPB       -0.06         75) PERVLENE-d12 INT. STD.       19.55       264       963778       40.00       PPB       -0.05         84) 2FLUOROPHENOL SURR.       0.00       112       0       0.00       PPB       -0.06         39) 2FLUOROBITHENYL SURR.       7.31       82       1730572       65.29       PPB       -0.06         70) TERPHENVL-d14 SURR.       14.21       244       2454404       74.87       PPB       -0.06         21) N-NITROSODIMETHYLAMINE       0.00       74       0       N.D.       0.00       12       0.00       12       0.00       11       13       12.01       1495       N.D.       0.06       14       14       2454404       74.87       PPB       -0.06       0.00       12       0.00       10       0.00 <td< td=""><td>Quant litle : QLast Update : Tue Dec 02 11:28 Response via : Initial Calibrat</td><td>:49 2008 ion</td><td></td><td></td></td<>	Quant litle : QLast Update : Tue Dec 02 11:28 Response via : Initial Calibrat	:49 2008 ion		
19) NAPHTHALENE-d0 INT. STD.       8.12       136       281320       40.00       PPB       -0.06         35) ACENAPTHENE-d10 INT. STD.       10.22       12       186009       40.00       PPB       -0.05         61) PHENANTHRENE-d10 INT. STD.       11.99       188       1720355       40.00       PPB       -0.05         75) PERVLENE-d12 INT. STD.       19.55       264       963778       40.00       PPB       -0.06         75) PERVLENE-d12 INT. STD.       19.55       264       963778       40.00       PPB       -0.05         84) 2FLUOROPHENOL SURR.       0.00       112       0       0.00       PPB       -0.06         39) 2FLUOROBITHENYL SURR.       7.31       82       1730572       65.29       PPB       -0.06         70) TERPHENVL-d14 SURR.       14.21       244       2454404       74.87       PPB       -0.06         21) N-NITROSODIMETHYLAMINE       0.00       74       0       N.D.       0.00       12       0.00       12       0.00       11       13       12.01       1495       N.D.       0.06       14       14       2454404       74.87       PPB       -0.06       0.00       12       0.00       10       0.00 <td< td=""><td>Internal Standards</td><td>R.T. QIon</td><td>Response</td><td>Conc Units Dev(Min)</td></td<>	Internal Standards	R.T. QIon	Response	Conc Units Dev(Min)
4)       2-FLUGROPHENOL SURR.       0.00       112       0       0.00       PPB         5)       PHENOL-46 SURR.       6.38       99       0m       0.00       PPB         20)       NITROBENZENE-45 SURR.       7.31       82       1730572       65.29       PPB       -0.06         33)       2-FLUOROPEIPHENVL SURR.       0.00       330       0       0.00       PPB       -0.06         70)       TERPHENYL-d14       SURR.       1.41       172       2454404       74.87       PPB       -0.06         70)       TERPHENYL-d14       SURR.       1.41       1244       2454404       74.87       PPB       -0.06         71)       TERPHENYL-d14       SURR.       1.42       1244       2454404       74.87       PPB       -0.06         71)       TERPHENYL-d14       SURR.       0.00       74       0       N.D.	<ol> <li>1, 4-DICHLOROBENZENE-d4 IN</li> <li>NAPHTHALENE-d8 INT. STD.</li> <li>ACENAPHTHENE-d10 INT. STD.</li> <li>PHENANTHRENE-d10 INT. STD.</li> <li>PHENANTHRENE-d12 INT. STD.</li> <li>PERYLENE-d12 INT. STD.</li> </ol>	T 6.64 150 8.12 136 10.22 162 11.99 188 16.21 240 19.55 264	1231297 2863720 1368009 1720335 1641472 963778	40:00 PPB -0.06 40.00 PPB -0.06 40.00 PPB -0.05 40.00 PPB -0.05 40.00 PPB -0.05 40.00 PPB -0.06 40.00 PPB -0.05
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.         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 al cohol       6.75       79       1864       N.D.         13)       1.2-DICHLOROBENZENE       6.87       108       2092       N.D.         14)       2-METHYLPHENOL       0.00       107       0       N.D.         15)       BIS(2-CHLOROETHANNE       7.16       43       0       N.D.         17)       N-NITROSO-DI-N-PROPYLAMINE       7.16       43       0       N.D.         16)       4-METHYLPHENOL       7.60       82       2322       N.D. <t< td=""><td><ul> <li>4) 2-FLUOROPHENOL SURR.</li> <li>5) PHENOL-d6 SURR.</li> <li>20) NITROBENZENE-d5 SURR.</li> <li>39) 2-FLUOROBIPHENYL SURR.</li> <li>58) 2.4.6 TRIBROMOPHENOL SURR.</li> <li>70) TERPHENYL-d14 SURR.</li> </ul></td><td>$\begin{array}{cccc} 0.00 &amp; 112 \\ 6.38 &amp; 99 \\ 7.31 &amp; 82 \\ 9.41 &amp; 172 \\ 0.00 &amp; 330 \\ 14.21 &amp; 244 \end{array}$</td><td>0 0m 1730572 2839122 0 2454404</td><td>0.00 PPB 0.00 PPB 65.29 PPB -0.06 70.79 PPB -0.06 0.00 PPB 74.87 PPB -0.06</td></t<>	<ul> <li>4) 2-FLUOROPHENOL SURR.</li> <li>5) PHENOL-d6 SURR.</li> <li>20) NITROBENZENE-d5 SURR.</li> <li>39) 2-FLUOROBIPHENYL SURR.</li> <li>58) 2.4.6 TRIBROMOPHENOL SURR.</li> <li>70) TERPHENYL-d14 SURR.</li> </ul>	$\begin{array}{cccc} 0.00 & 112 \\ 6.38 & 99 \\ 7.31 & 82 \\ 9.41 & 172 \\ 0.00 & 330 \\ 14.21 & 244 \end{array}$	0 0m 1730572 2839122 0 2454404	0.00 PPB 0.00 PPB 65.29 PPB -0.06 70.79 PPB -0.06 0.00 PPB 74.87 PPB -0.06
49)       2.4       DINITROTOLUENE       10.46       168       6318       N.D.         50)       DIETHYLPHTHLATE       10.53       165       1347       N.D.         51)       4-CHLOROPHENYLPHENYL       ETHER       10.86       204       871       N.D.	2) N-NITROSODIMETHYLAMINE 3) PYRIDINE 6) PHENOL CCC 7) aniline 8) BIS(2-CHLOROETHYL)ETHER 9) 2-CHLOROPHENOL 10) 1,3 DICHLOROBENZENE 11) 1,4 DICHLOROBENZENE CCC 12) benzyl alcohol 13) 1,2-DICHLOROBENZENE 14) 2-METHYLPHENOL 15) BIS(2-CHLOROISOPROPYL)ETHE 16) 4-METHYLPHENOL 17) N-NITROSO-DI-N-PROPYLAMINE 18) HEXACHLOROETHANE 21) NITROBENZENE 22) ISOPHORONE 23) 2,4 DIMETHYLPHENOL 24) Benzoic Acid 25) 2-NITROPHENOL 26) BIS(2-CHLOROETHOXY)METHANE 27) 2,4 DICHLOROPHENOL CCC 28) 1,2,4 TRICHLOROBENZENE 29) NAPHTHALENE 30) 4-CHLOROANILINE 31) HEXACHLOROBUTADIENE CCC 33) 2-METHYLNAPHTHALENE 34) 2-NITROANILINE 35) 4-CHLOROANILINE 36) HEXACHLOROCYCLOPENTADIENE 37) 2,4,6-TRICHLOROPHENOL CCC 38) 2,4,5 TRICHLOROPHENOL 40) 2-CHLORONAPHTHALENE	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c} 0\\ 1495\\ 0\\ 235\\ 235\\ 0\\ 9860\\ 0\\ 1864\\ 340574\\ 2092\\ 1196\\ 0\\ 1721\\ 6324\\ 2322\\ 3025\\ 0\\ 1066\\ 237\\ 6560\\ 52806\\ 626\\ 0\\ 1460\\ 52280\\ 317\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\$	Qvalue N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. 0.14 PPB # 1 0.21 PPB # 49 N.D. 0.13 PPB # 16 N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D.
120108 M Tuo Top 12 00 04 40 000	49) 2.4 DINITROTOLUENE 50) DIETHYLPHTHLATE 51) 4-CHLOROPHENYLPHENYL ETHER	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	6318 1347 4738 871	N.D. N.D. N.D. N.D.

Page 244

Data Path : C:\MSDCHEM\1\DATA\JA Data File : 01120920.D			por v	(NO Status)		
	m					
Sample : bn smp 082.09*30 33g	tcl					
Dperator : J. Aquilina Sample : bn smp 082.09*30 33g LS Vial : 21 Sample Multipli	er 1					
uant Time: Jan 13 09:34:49 2009						
uant Title :						
Last Update : Tue Dec 02 11:28: esponse via : Initial Calibrati	49 2008 on					
Internal Standards 52) FLUORENE	R.T.	QIon	Response	Conc Units	Deví	Minl
<ul> <li>52) FLUORENE</li> <li>53) 4-NITROANILINE</li> <li>55) 4,6-DINITRO-2-METHYLPHENOL</li> <li>56) N-NITROSODIPHENYLAMINE</li> <li>57) 1,2 DIPHENYLHYDRAZINE</li> <li>59) 4-BROMOPHENYLPHENYL ETHER</li> <li>60) HEXACHLOROBENZENE</li> <li>61) PENTACHLOROPHENOL CCC</li> <li>62) PHENANTHRENE</li> <li>63) ANTHRACENE</li> <li>64) CARBAZOLE</li> <li>65) DI-N-BUTYLPHTHALATE</li> <li>66) FLUORANTHENE CCC</li> <li>68) BENZIDINE</li> <li>69) PYRENE</li> <li>71) BUTYLBENZYLPHTHALATE</li> <li>73) BENZO(A) ANTHRACENE</li> <li>74) CHRYSENE</li> <li>75) JI-N-OCTYL PHTHALATE CCC</li> <li>76) 3,3'-DICHLOROBENZIDINE</li> <li>77) DI-N-OCTYL PHTHALATE CCC</li> <li>78) BENZO(B) FLOURANTHENE</li> <li>79) BENZO(A, PYRENE CCC</li> <li>81) DIBENZO(A, H) ANTHRACENE</li> <li>82) INDENO(1, 2, 3-CD) PYRENE</li> <li>83) BENZO(G, H, I) PERYLENE</li> </ul>	10.87					
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	מסס אין ח. מסס אין ח		0.0
57) 1.2 DIPHENYLHYDRAZINE	11.05	77	2475	N D		89
60) HEYACHLODODDUDDUD	11.43	248	1323	0.12 PPR	ŧŧ	20
61) DENTACHLOROBENZENE	0.00	284	0	N.D	"	23
62) PHENIAUTHDEND	0.00	266	0	N.D.		
$63)$ $\Delta NTHD A CENTR$	12.01	178	39325	0.68 PPB		90
64) CARBAZOI F	12.07	178	8967	0.15 PPB	#	77
65) DI-N-BITYI PHTHAT ATE	12.30	167	3157	N.D.		
66) FLUORANTHENE CCC	12.74	149	22850	0.22 PPB	the series	44
68) BENZIDINE	13.58	202	73050	1.24 PPB	5	96
69) PYRENE	13.37	184	1258	No Calib	#	
71) BUTYLBENZYI PHTHAT ATP	13.92	202	108652	1.83 PPB	55	98
72) BIS(2-ETHYLHEXYL) DHTHAT ATT	15.12	149	22101	0.47 PPB	00 00-	91
73) BENZO(A)ANTHRACENE	16,40	149	38508	0.60 PPB	#	73
74) CHRYSENE	16.17	228	39458	0.80 PPB		78
76) 3,3'-DICHLOROBENZIDINE	16.25	228	46665m	0.96 PPB		
77) DI-N-OCTYL PHTHALATE CCC	10.11	252	1383	No Calib	#	
78) BENZO(B)FLOURANTHENE	10 60	147	6696	N.D.		
79) BENZO(K)FLUORANTHENF	10.00 10 71	252 353	33134m	0.88 PPB		
80) BENZO(A)PYRENE CCC	10.71	452 252	25096m	0.68 PPB		
31) DIBENZO(A, H)ANTHRACENE	17,43 21 00	454	22410	0.70 PPB	#	72
(1, 2, 3-CD) PYREME	61.9U 20 10	278	295	N.D.		
83) BENZO(G,H,I)PERYLENE	44.13 22 ce	4/6	8520	0.30 PPB		90
	44.00	276	11142	0.43 PPB		77

Quantitation Report (No Status)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 : 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 1)1,4-DICHLOROBENZENE-04INI0.04150121904040.00PPB2)NAPHTHALENE-d8INT. STD.8.12136286372040.00PPB4)ACENAPHTHENE-d10INT. STD.10.22162136800940.00PPB6)PHENANTHRENE-d10INT. STD.11.99188172033540.00PPB7)CHRYSENE-d12INT. STD.16.21240164083540.00PPB10)PERYLENE-d12INT. STD.19.5526499434340.00PPB -0.10-0.10 -0.09 -0.08 -0.11 -0.10 System Monitoring Compounds 3) NITROBENZENE-d5 SURR.7.3182173414270.71PPB5) 2-FLUOROBIPHENYL SURR.9.41172283912270.84PPB9) TERPHENYL-d14 SURR.14.21244245619671.56PPB -0.10 -0.10-0.10Target Compounds Qvalue 8) BENZIDINE 

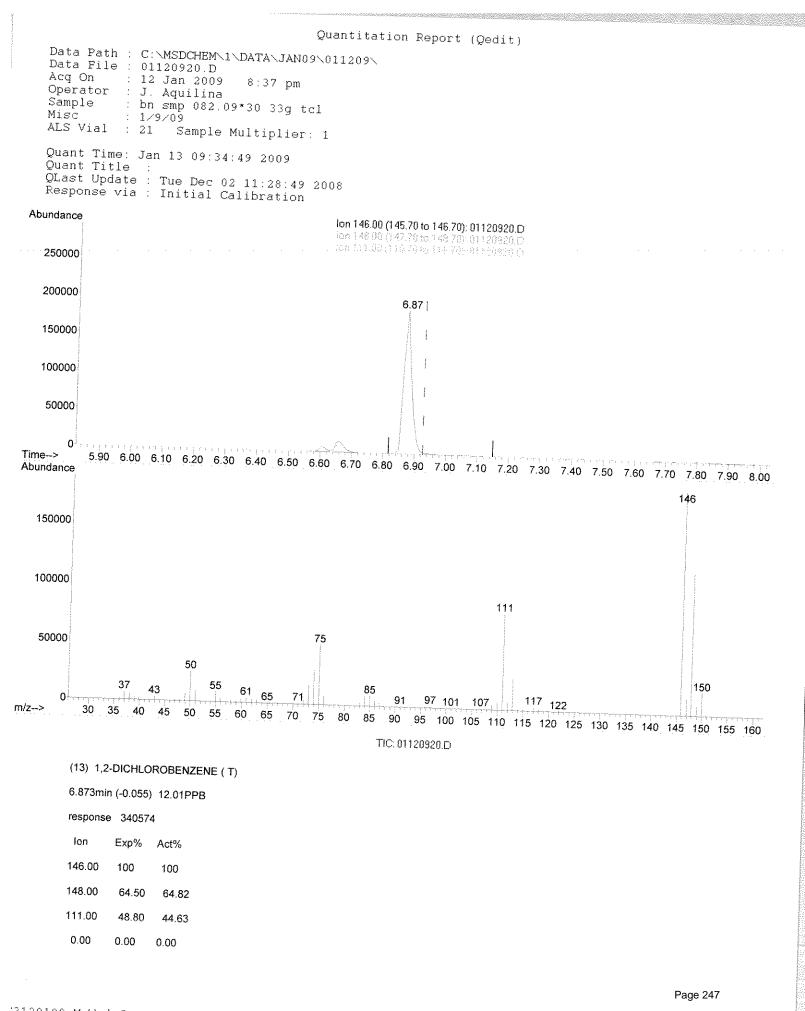
 8) BENZIDINE
 14.00
 184
 1473
 N.D.

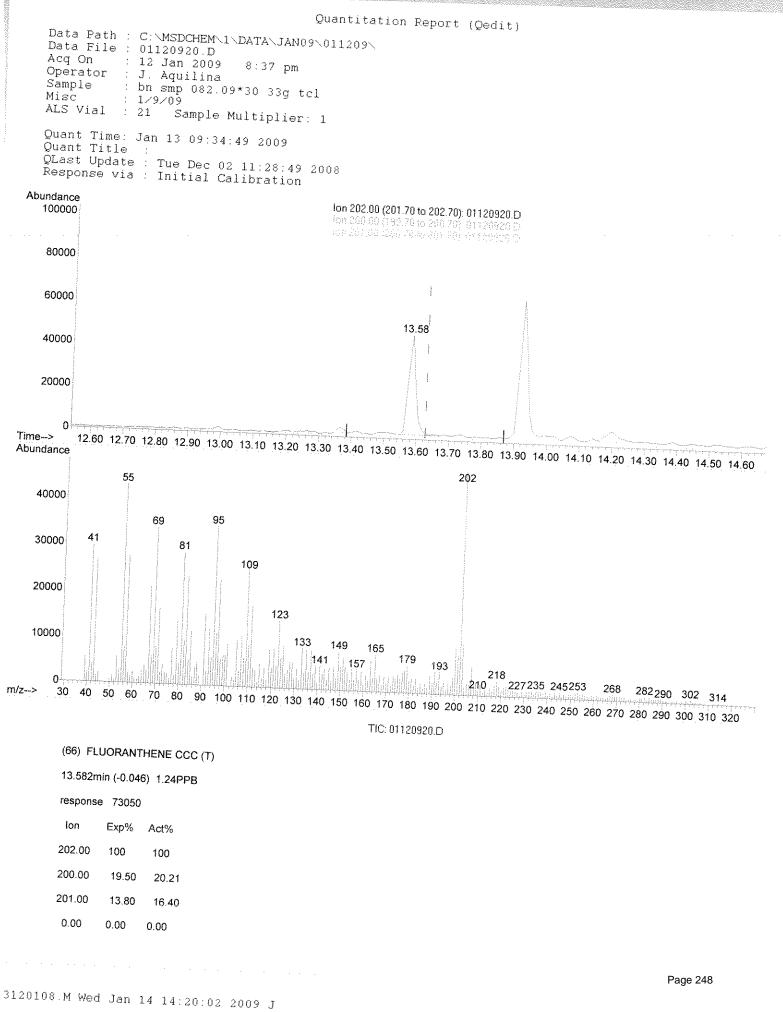
 11) 3,3'-DICHLOROBENZIDINE
 16.23
 252
 1634
 N.D.

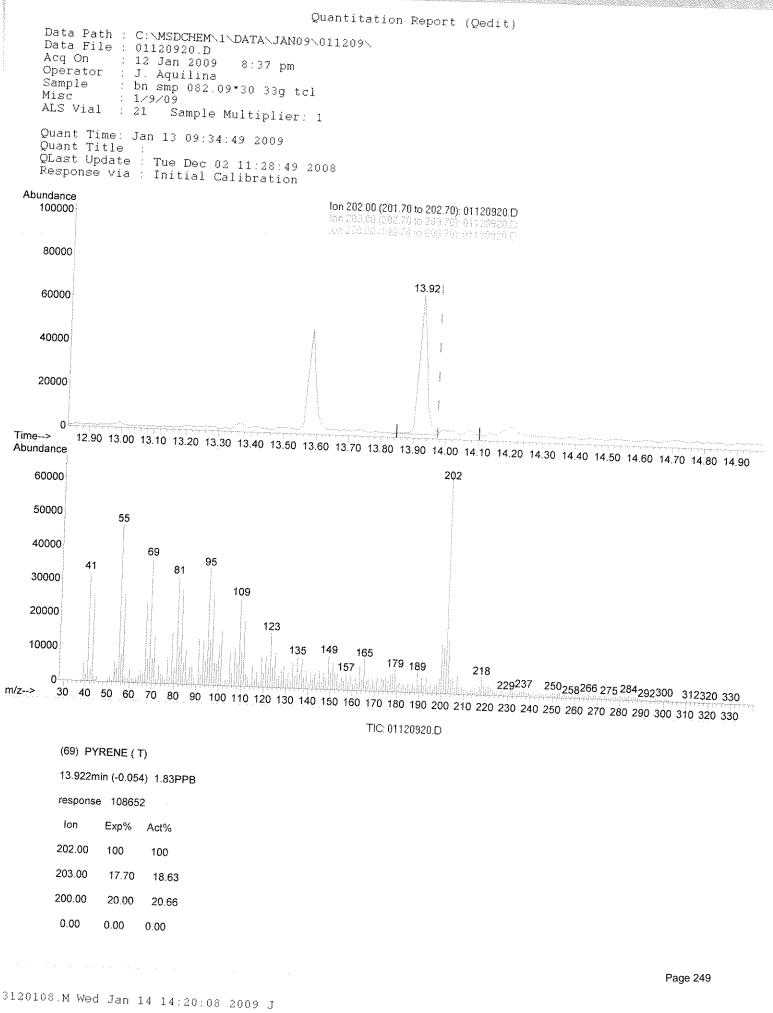
 N.D. _____

(#) = qualifier out of range (m) = manual integration (+) = signals summed

BZ111208.M Tue Jan 13 09:32:37 2009 J







		Quantitation	Report (No Status)	
Misc : 1/9/09	20.D 2009 8:37 11ina 082.09*30 3:	pm 3g tcl		
Quant Time: Jan 13 Quant Title : QLast Update : Tue Response via : Ini	Dec 02 11:28	3.49 2008		
Abundance			TIC: 01120920.D	
1.05e+07				
1e+07				
9500000				
9000000				
8500000				
800000	a			
7500000	2-FLUOROBIPHENYL SURR.,S			
	HENYL			
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6500000	2-FLU	1°01	ŝ	
6000000	4	0 INT. S	SURR.	
5500000	STD.,I	IENE-d1	ENYL-d14 SURRS	
5000000	TT.	ACENAPHTHENE-d10 INT. STD.,I PHENANTHRENE-d10 INT. STD.,I	ТЕКРНЕМ	
STD	IE-do SURR.S NAPHTHALENE-d8 INT	ACEI		
4500000 문 왕	NITROBENZENE, DE SURR., S NAPHTHALEN	6 HE	T. STD.	
4000000 H	IZENE,d		5.d12 IN	
3500000 8 T	TROBE		RYSE W	STD.,I
3000000 ⁴			LUORANTHENE CCC.T PYRENE, T BUTYLBENZYLPHTHALATE, T BIJTYLBENZYLPHTHALATE, T BIJTYLBENZYLPHTHACENE, T BIJTYLETHYLHEXYLJPHTHACATE, T	BENZO(A)PYBENFLERE 12 INT. STD.,I BENZO(A)PYRENE, T PERYLENE, T
2500000		LENE, T NOL SPCC,T IPHENYLAMINE, T LENYLPHENYL ETHER, T LÖNYLPHTHALATE, T DI-N-BUTYLPHTHALATE, T	FLUORANTHENE CCC.T PYRENE. T BUTYLBENZYLPHTHALATE, BISTOLETHENZYLPHTHACENE,	BENZO(A)PYBERPECERE-112
2000000	DBENZE 	C.T Amine. Envil et Ve.t	LBENZ)	
1500000 X30	CHLORC ANE, T NOL, T NOL, T THALEN THALEN	HENYL HENYL NYLPHI NBUT	FLUOR PYRE BUTY BUTY	ENZO(A ERYLEN
A C BE	HEXACHLOROETHANE, T HEXACHLOROETHANE, T 2.4 DIMETHYLPHENL, T NÅPATHYCEHREROBENZENE, T 2.METHYLNAPHTHALENE, T 2.METHYLNAPHTHALENE, T	ACENAPHTHYLENE, T ACENAPHTHYLENE, T ANTROPHENOL SPCC, T N-NITROSODIPHENOL SPCC, T ANTROSODIPHENOL PHENKL, T ANTHRAOUNERENC, T DI-N-BUTYLPHTHALATI	My have my de and	BENZO(G,H,I)PERVLENE, T BENZO(G,H,I)PERVLENE, T
1000000	XACHLI NAPAT	ACENAP 4-NITR N-NITR N-NITR AT	M. C.	BENZO
500000	2.4 E			and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t
Time> 4.00 5.00 6.00 7.	.00 8.00 9.00 10	.00 11 00 12 00 13 0r		Page 250

Time--> 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

J _e	Juantita	ation ]	Report	(No Status)	
Data Path : C:\MSDCHEM\1\DATA\JA Data File : 01120921.D Acq On : 12 Jan 2009 9:11 p Operator : J. Aquilina Sample : bn smp 082.08*30 33g Misc : 1/9/09 ALS Vial : 22 Sample Multipli	em I tcl	1209\			
Quant Time: Jan 13 09:34:51 2009 Quant Title : QLast Update : Tue Dec 02 11:28: Response via : Initial Calibrati	49 2009	2			
Internal Standards	R.T.	QIon	Response	Conc Units Dev(Mir	a)
1) 1,4-DICHLOROBENZENE-d4 INT 19) NAPHTHALENE-d8 INT. STD. 35) ACENAPHTHENE-d10 INT. STD. 54) PHENANTHRENE-d10 INT. STD. 67) CHRYSENE-d12 INT. STD. 75) PERYLENE-d12 INT. STD.	6,64 8,11 10,22 11,98 16,21 19,54	1 5 0	1151000	40.00 PPB       -0.0         40.00 PPB       -0.0         40.00 PPB       -0.0         40.00 PPB       -0.0         40.00 PPB       -0.0         40.00 PPB       -0.0         40.00 PPB       -0.0         40.00 PPB       -0.0         40.00 PPB       -0.0	)6 )5 )5 )6 )6
System Monitoring Compounds 4) 2-FLUOROPHENOL SURR. 5) PHENOL-d6 SURR. 20) NITROBENZENE-d5 SURR. 39) 2-FLUOROBIPHENYL SURR. 58) 2.4.6 TRIBROMOPHENOL SURR. 70) TERPHENYL-d14 SURR.					
<ul> <li>13) 1.2-DICHLOROBENZENE</li> <li>14) 2-METHYLPHENOL</li> <li>15) BIS(2-CHLOROISOPROPYL)ETHE</li> <li>16) 4-METHYLPHENOL</li> <li>17) N-NITROSO-DI-N-PROPYLAMINE</li> <li>18) HEXACHLOROETHANE</li> <li>21) NITROBENZENE</li> <li>22) ISOPHORONE</li> <li>23) 2.4 DIMETHYLPHENOL</li> <li>24) Benzoic Acid</li> <li>25) 2-NITROPHENOL</li> <li>26) BIS(2-CHLOROETHOXY)METHANE</li> <li>27) 2.4 DICHLOROPHENOL CCC</li> <li>28) 1.2.4 TRICHLOROBENZENE</li> <li>29) NAPHTHALENE</li> <li>30) 4-CHLOROANILINE</li> <li>31) HEXACHLOROBUTADIENE CCC</li> <li>32.4 -CHLORO- 3-METHYLPHENOL CC</li> <li>33) 2-METHYLNAPHTHALENE</li> <li>34) 2-NITROANILINE</li> <li>36) HEXACHLOROCYCLOPENTADIENE</li> <li>37) 2.4.6-TRICHLOROPHENOL CCC</li> <li>38) 2.4.5 TRICHLOROPHENOL</li> <li>40) 2-CHLOROAPHTHALENE</li> <li>41) DIMETHYLPHTHALATE</li> <li>42) 2.6 DINITROTOLUENE</li> <li>43) ACENAPHTHYLENE</li> <li>44) 3-NITROANILINE</li> </ul>	0.00 6.34 6.34 0.00 6.61 6.66 6.75 6.87 6.87 6.87 6.99 0.00 7.16 7.21 7.30 7.65 7.80 7.92 0.00 7.84 8.10 8.13 0.00 9.76 8.13 0.00 9.76 0.00 9.54 10.05 10.05 10.004 9.69 10.25	$\begin{array}{c} 94\\ 93\\ 93\\ 128\\ 146\\ 146\\ 146\\ 107\\ 105\\ 105\\ 139\\ 168\\ 127\\ 105\\ 139\\ 168\\ 127\\ 105\\ 139\\ 168\\ 127\\ 196\\ 163\\ 165\\ 165\\ 165\\ 153\\ 153\\ 153\\ 153\\ 153\\ 153\\ 153\\ 15$	0 2318 2318 0 5844 19480 1817 195213 1721 1375 0 3742 3384 10543 3716 521 0 2354 276 2713 105400 13472 0 13472 0 13472 0 13472 1580 15209 315 7251	N.D. N.D. O.13 PPB # N.D. N.D. O.22 PPB # 6 O.74 PPB # 5 N.D. 7.34 PPB 220 9 N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D	1 4 4 8 8 16 3 1
<ul> <li>46) 2.4-DINITROPHENOL SPCC</li> <li>47) 4-NITROPHENOL SPCC</li> <li>48) DIBENZOFURAN</li> <li>49) 2.4 DINITROTOLUENE</li> <li>50) DIETHYLPHTHLATE</li> <li>51) 4-CHLOROPHENYLPHENYL ETHER</li> </ul>	10.55 10.45 10.50	65 168 165	$ \begin{array}{r}     663 \\     16513 \\     499 \\     5114 \\     437 \\ \end{array} $		

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Data Path : C:\MSDCHEM\1\DATA\JA Data File : 01120921.D	N09\011	209\		
	60			
Dperator : J. Aquilina Sample : bn smp 082.08*30 33g Aisc : 1/9/09 ALS Vial : 22 Sample Multiplic	112			
Sample : bn smp 082.08*30 33g	tcl			
$\frac{1}{2}$				
ALS VIAL : 22 Sample Multiplie	ər: 1			
Quant Time: Jan 13 09:34:51 2009				
Quant Title :				
DLast Update : Tue Dec 02 11:28:4	19 2008			
esponse via : Initial Calibratio	on			
Internal Standards 52) FLUORENE	R.T.	OIon	Response	Cong Unite Des (14)
<ul> <li>52) FLUORENE</li> <li>53) 4-NITROANILINE</li> <li>55) 4.6-DINITRO-2-METHYLPHENOL</li> <li>56) N-NITROSODIPHENYLAMINE</li> <li>57) 1.2 DIPHENYLHYDRAZINE</li> <li>59) 4-BROMOPHENYLPHENYL ETHER</li> <li>60) HEXACHLOROBENZENE</li> <li>61) PENTACHLOROPHENOL CCC</li> <li>62) PHENANTHRENE</li> <li>63) ANTHRACENE</li> <li>64) CARBAZOLE</li> <li>65) DI-N-BUTYLPHTHALATE</li> <li>66) FLUORANTHENE CCC</li> <li>68) BENZIDINE</li> <li>69) PYRENE</li> <li>71) BUTYLBENZYLPHTHALATE</li> </ul>				Conc onrts Dev(M1
53) $A_{\rm NTTPOANTLINE}$	10.87	166	8188	0.16 PPB #
55) 4 6-DINITRO-2-METHVI DURMOT	10.97	138	773	N.D.
56) N-NITROSODIPHENYI AMINE	10 04	198	0	N.D.
57) 1,2 DIPHENYLHYDRAZINE	10.94	100	5293	0.22 PPB #
59) 4-BROMOPHENYLPHENYL ETHER	11.44	248	2007 171	N.D.
60) HEXACHLOROBENZENE	0.00	284	1/1 Û	N, D. N Ty
61) PENTACHLOROPHENOL CCC	0.00	266	ŏ	N D
62) PHENANTHRENE	12.01	178	103939	1.73 PPB 52
64 CARPAZOLE	12.07	178	20510	0.33 PPB #
65) DT_N_BUTVI DUTUALATIO	12.30	167	10242	0.15 PPB
66) FLIORANTHENE CCC	12.74	149	33961	0.31 PPB _#_
68) BENZIDINE	13.57	202	127545	2.08 PPB 62 9
69) PYRENE	12,04	184	1127	No Calib #
71) BUTYLBENZYLPHTHALATE	15 12	202	11/1/9	2.18 PPB 6 5
72) BIS(2-ETHYLHEXYL)PHTHALATE	16 40	149	37363m 46619	0.90 PPB
73) BENZO(A)ANTHRACENE	16.16	228	49657	0.79  PPB # 6
74) CHRYSENE	16.26	228	64301	1.11 PPB 5.5 8 1.46 PPB 44 9
76) 3.3'-DICHLOROBENZIDINE	15.95	252	1288	No Calib #
78) RENZO(R) FLOUD NETWORK	17.86	149	5343	N.D.
79) BENZO(E) FLOORANTHENE 79) BENZO(K) ELUODANTHENE	18.66	252	34831m	1.28 PPB %
	18.71	252	28940m	1.09 PPB 🖏
80) BENZO(A)PYRENE CCC	17.45	45Z	22321	0.96 PPB 🏾 🗐 5
80) BENZO(A)PYRENE CCC 81) DIBENZO(A,H)ANTHRACENE	22 05	270	E 0 0 0	
<ul> <li>68) FLOORANTHENE CCC</li> <li>69) PYRENE</li> <li>71) BUTYLBENZYLPHTHALATE</li> <li>72) BIS(2-ETHYLHEXYL)PHTHALATE</li> <li>73) BENZO(A)ANTHRACENE</li> <li>74) CHRYSENE</li> <li>76) 3.3'-DICHLOROBENZIDINE</li> <li>77) DI-N-OCTYL PHTHALATE CCC</li> <li>78) BENZO(B)FLOURANTHENE</li> <li>79) BENZO(K)FLUORANTHENE</li> <li>80) BENZO(A)PYRENE CCC</li> <li>81) DIBENZO(A,H)ANTHRACENE</li> <li>82) INDENO(1.2.3-CD)PYRENE</li> <li>83) BENZO(G,H,I)PERYLENE</li> </ul>	22.05	278 276	5939	0.34 PPB # 7 1.11 PPB 3 9

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

 2)
 NAPHTHALENE-d8
 INT.
 STD.
 8.11
 136
 2791742
 40.00
 PPB

 4)
 ACENARDUTENE
 ALO
 AND
 ALO
 ALO
 ALO
 PPB

 2) NAPHTHALENE-d8 INT. STD.
 8.11
 136
 2/91/42
 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

 -0.10 System Monitoring Compounds 3) NITROBENZENE-d5 SURR. 7.30 82 1787388 74.76 PPB 9.41 172 3178466 79.35 PPB 14.20 244 2782547 89.55 PPB 5) 2-FLUOROBIPHENYL SURR. -0.11 9) TERPHENYL-d14 SURR. -0.10 -0.11Target Compounds 

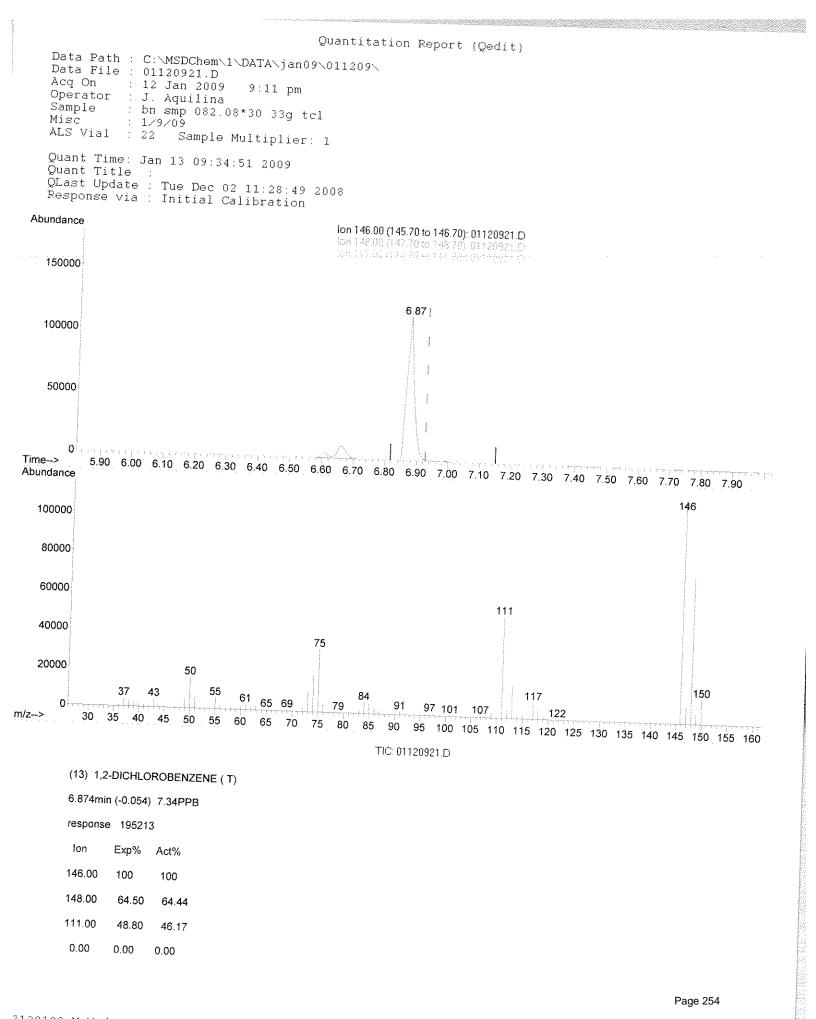
 8) BENZIDINE
 13.88
 184
 782
 N.D.

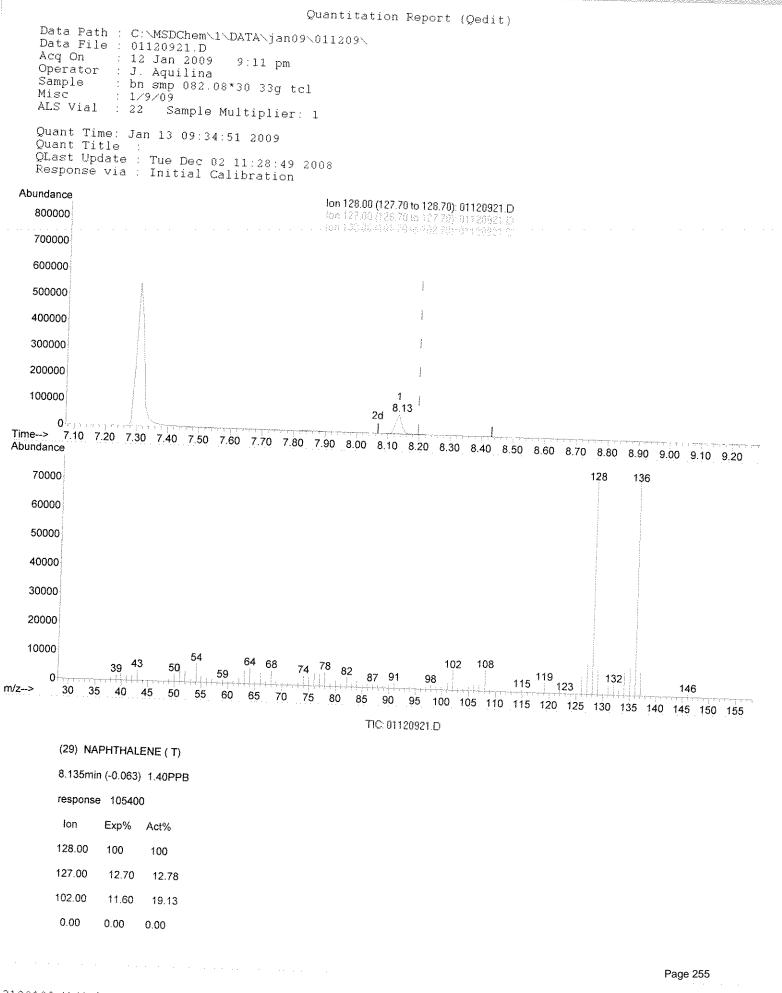
 11) 3,3'-DICHLOROBENZIDINE
 16.35
 252
 1853
 N.D.

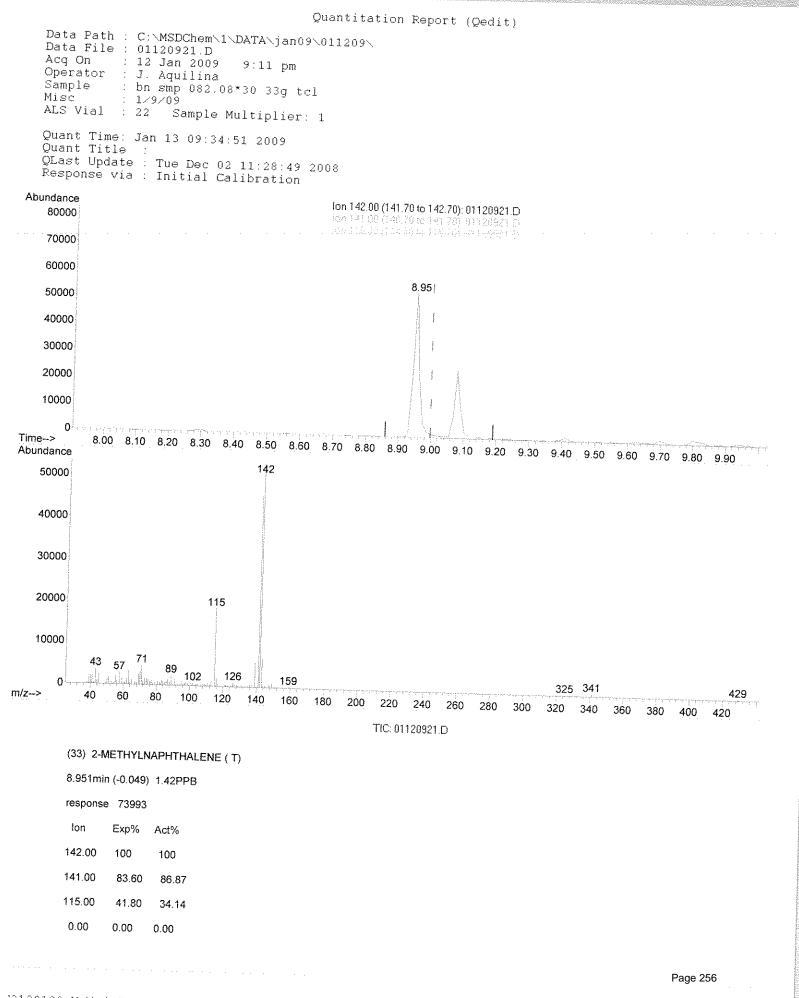
 8) BENZIDINE Ovalue 

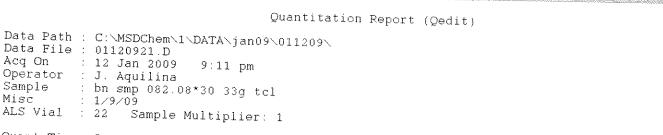
(#) = qualifier out of range (m) = manual integration (+) = signals summed

BZ111208.M Tue Jan 13 09:32:45 2009 J









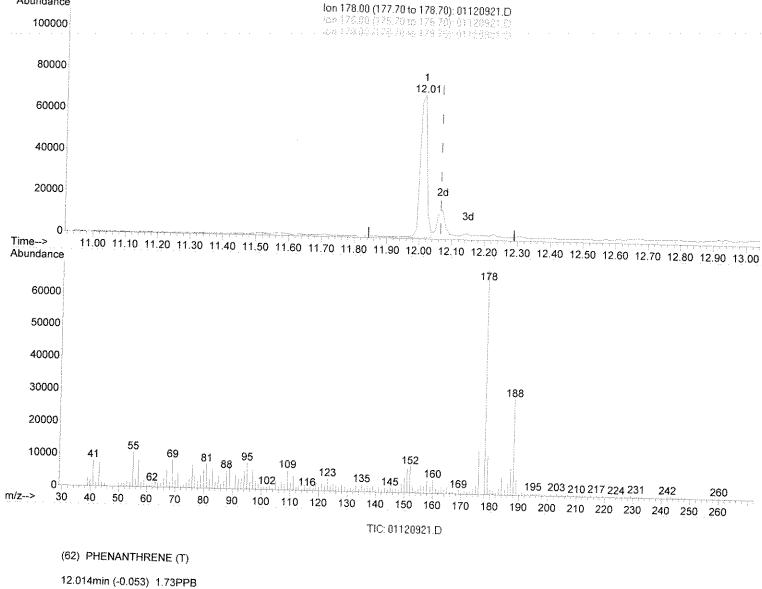
Quant Time: Jan 13 09:34:51 2009 Quant Title QLast Update : Tue Dec 02 11:28:49 2008 Response via : Initial Calibration



Acq On

Sample

Misc



response 103939

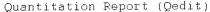
ion Exp% Act%

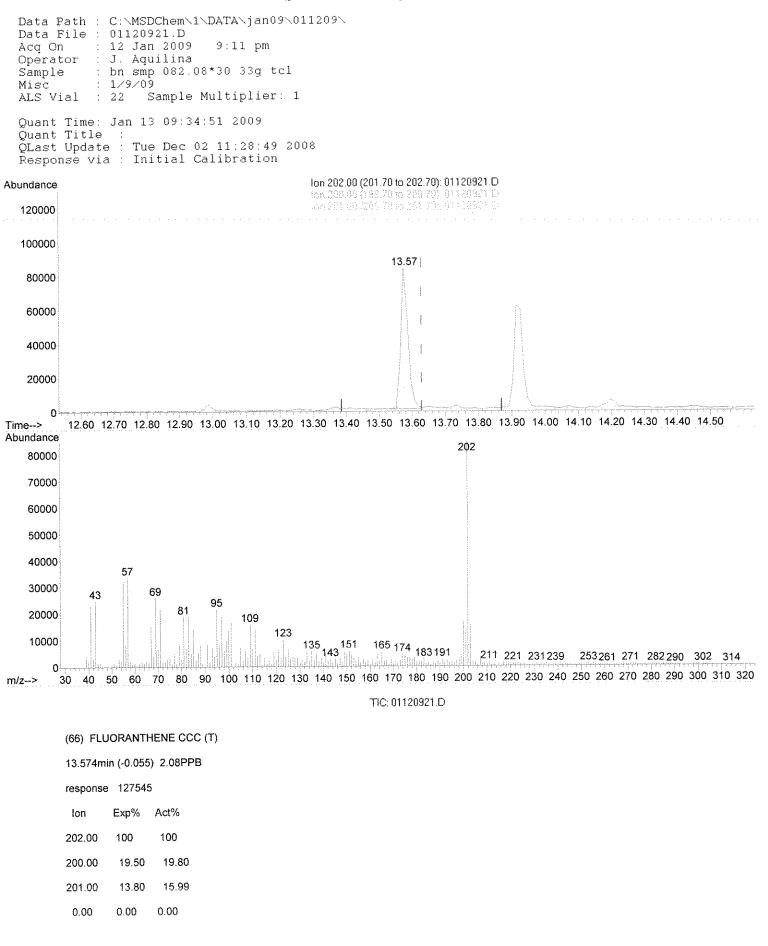
178.00 100 100

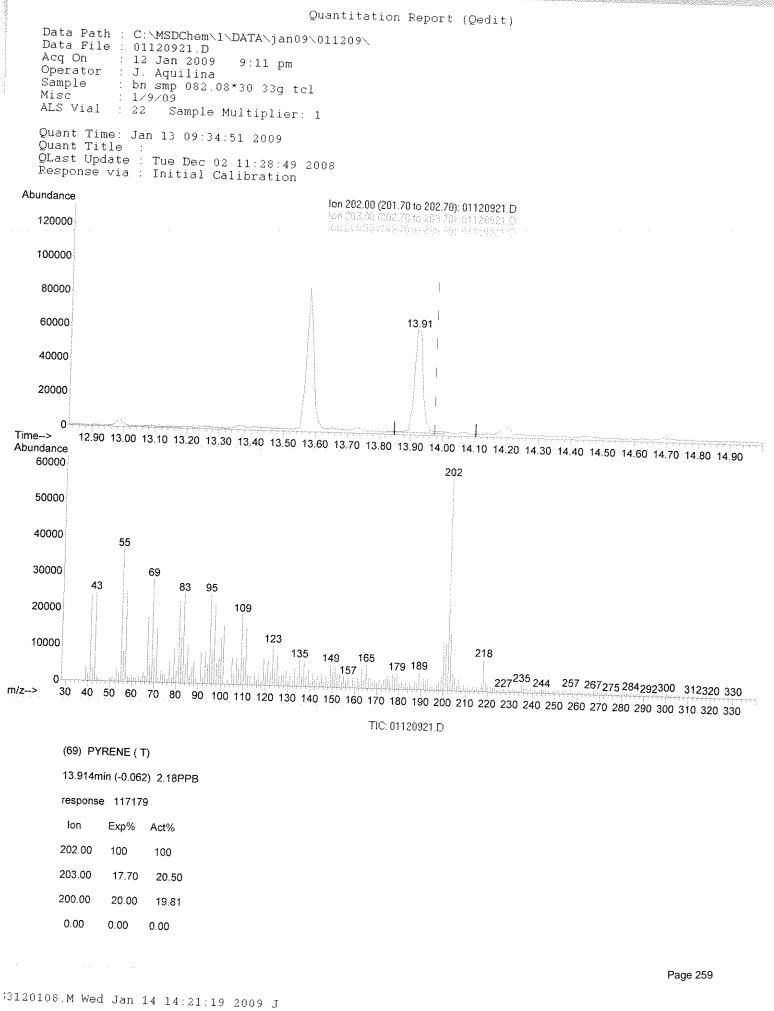
176.00 18.80 18.85

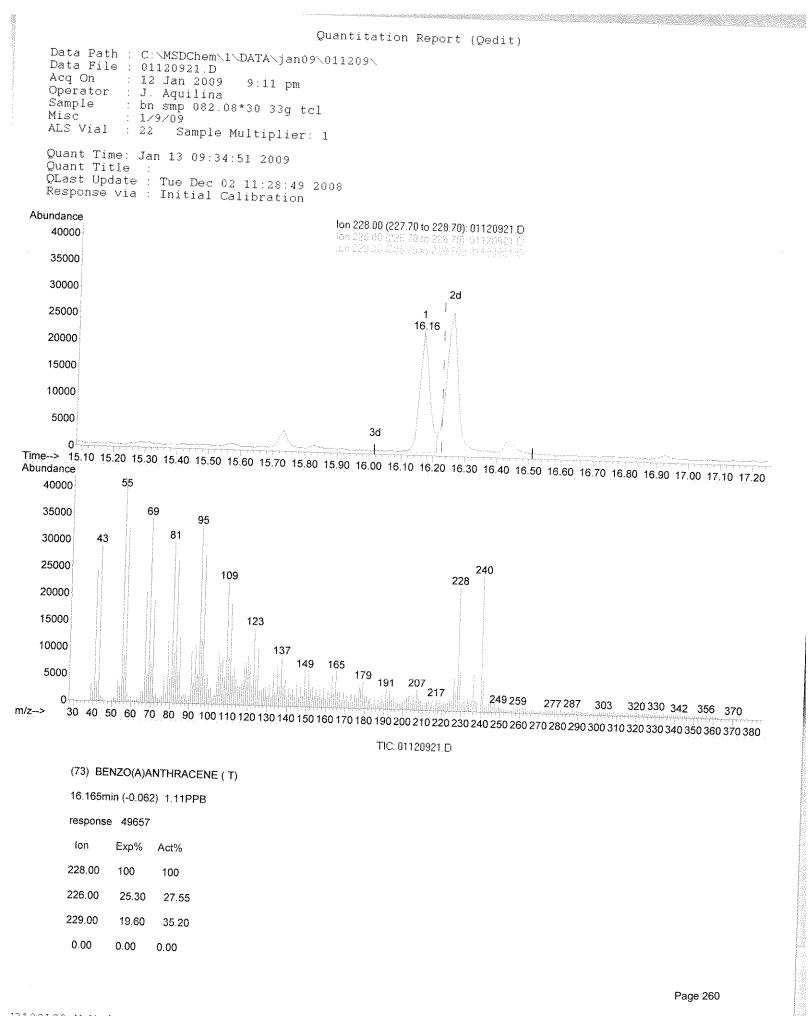
179.00 15.50 19.17 0.00 0.00 0.00

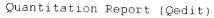
33120108.M Wed Jan 14 14:21:07 2009 J

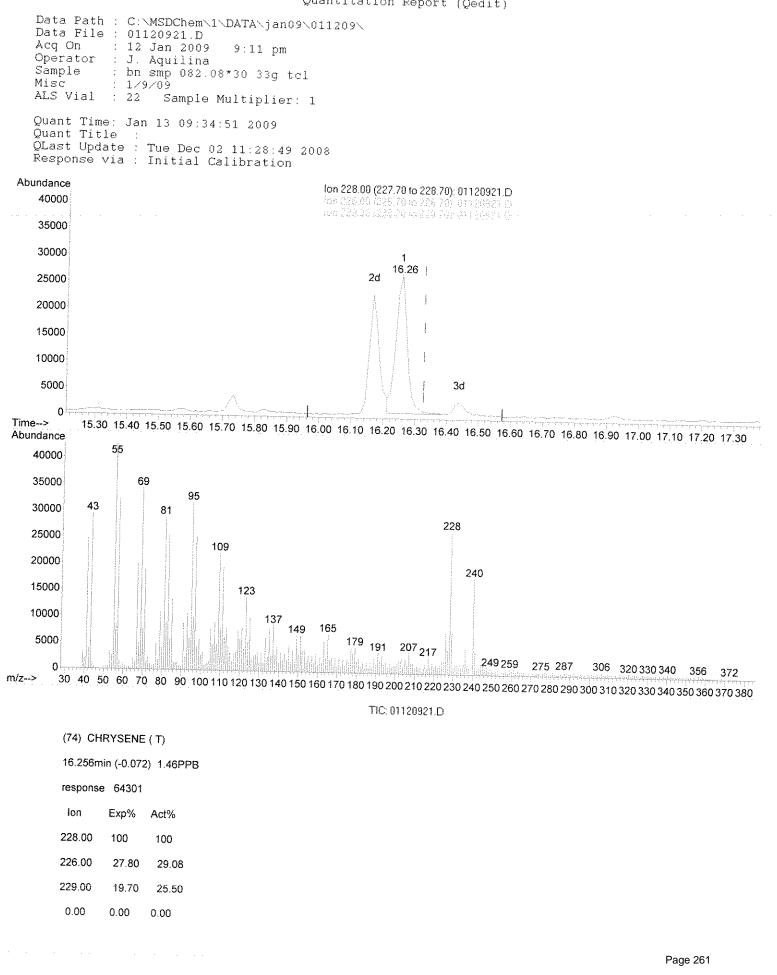


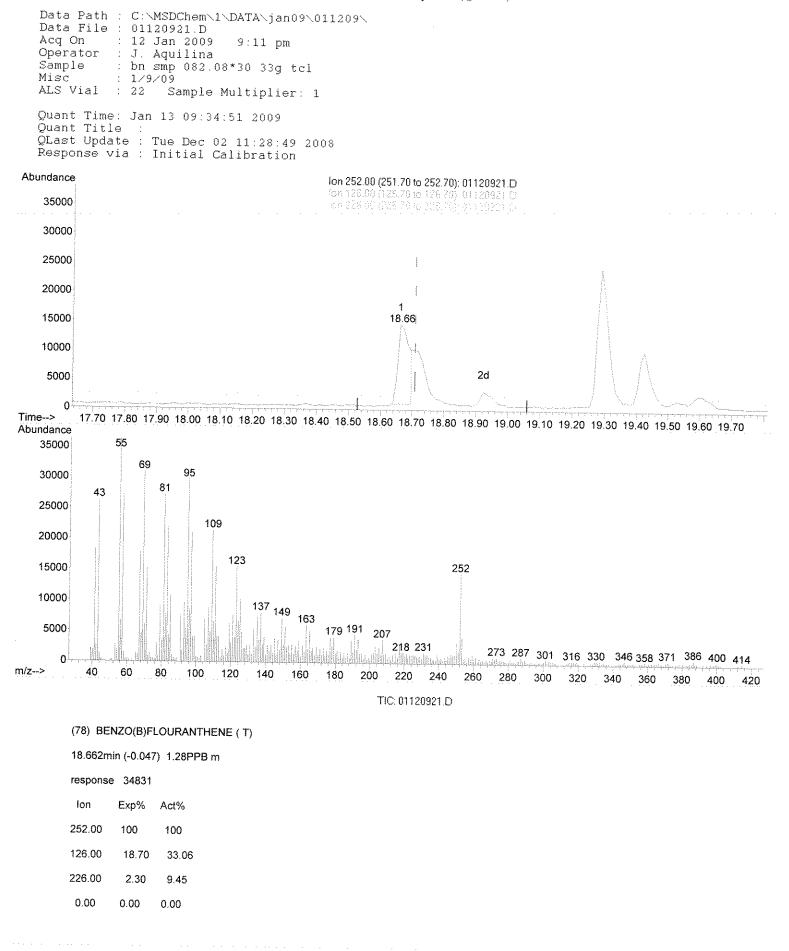




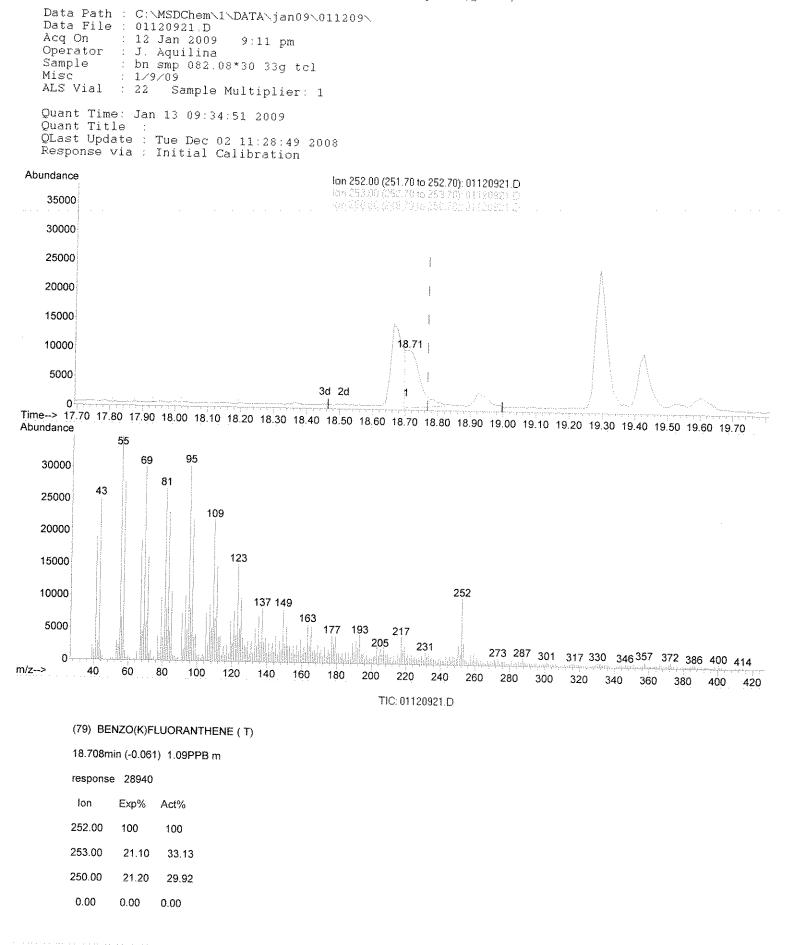




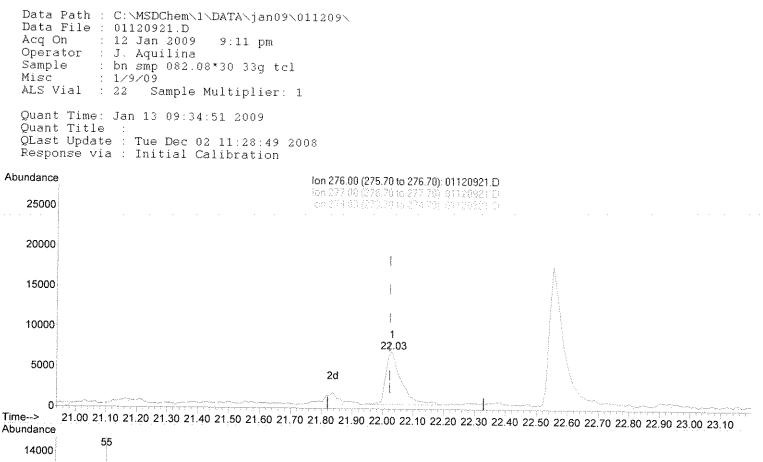


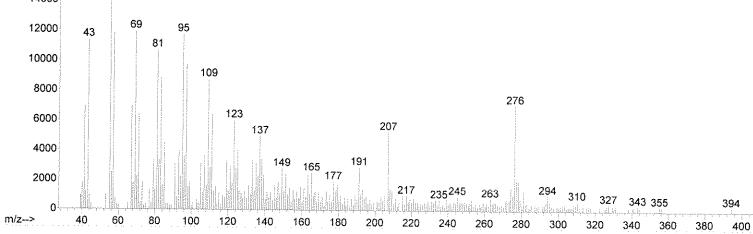


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TIC: 01120921.D

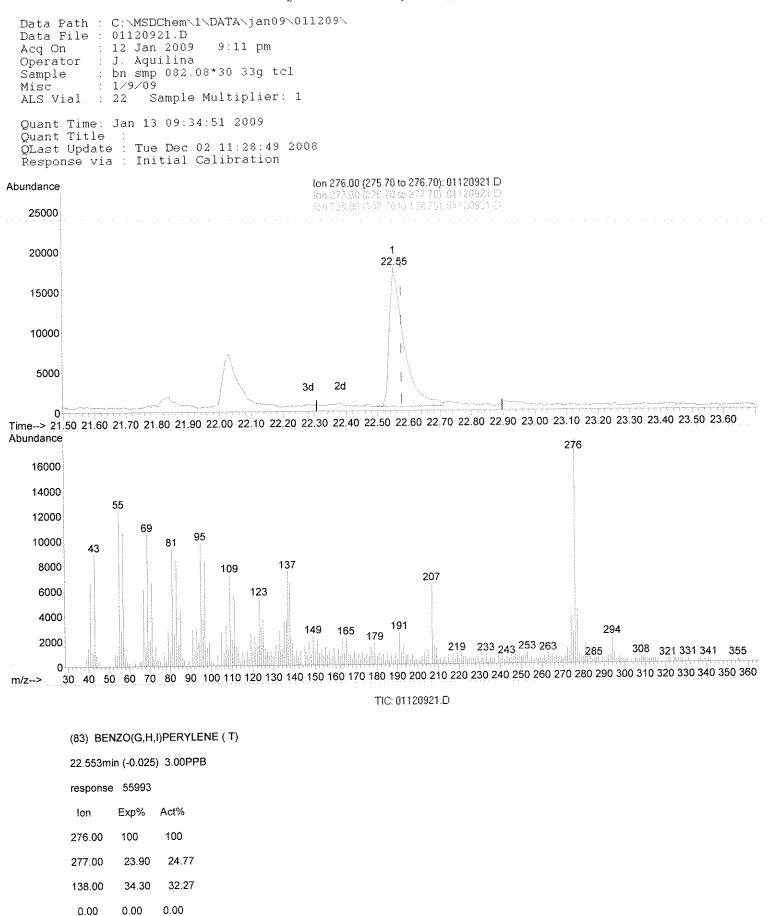
(82) INDENO(1,2,3-CD)PYRENE (T)

22.030min (+0.007) 1.11PPB

response 22649

- lon Exp% Act% 276.00 100 100
- 277.00 23.90 25.81
- 274.00 20.10 21.33
- 0.00 0.00 0.00

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Data Path :	C:\MSDCHEM\1\DATA\JAN09\011209\
Data File :	01120921.D
Acq On :	12 Jan 2009 9:11 pm
Operator :	
Sample :	bn smp 082.08*30 33g tcl
Misc :	
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

#### Abundance

TIC: 01120921.D

5e+07			÷								
.1e+07											
15e+07											
1e+07											
00000											
00000											
00000			S								
00000			SURR.								
00000			PHENY								
00000			2-FLUOROBIPHENYL SURR, S								
00000			2-FL	I, OT		JRR.,S					
00000		Ē,		10 INT. S		L-d14 SI					
00000		ZENE-da SURRS NAPHTHALENE-d8 INT. STD.,I		ACENAPHTHENE-d10 INT. STD.,I	PHENANTHRENE-d10 INT. STD., I	TERPHENYL-d14 SURR.,S					
00000	STD.J	NITROBENZENE; CE SURR., S NAPHTHALENE-CB		ENAPHT	VE-d10 It	٣					
00000	E-d4 IN1	ZENE, db		AC	NTHREI		L.D				
00000	BENZEN	ROBENZ			PHEND		2 INT. ST				
60000	VE CCC,T4-DICHLOROBENZENE-04 INT. STD.J	Ê N	00000000000000000000000000000000000000	*	:		. РНТНАLATE, T LEVRAGE MENER SENE-412 INT. STD.J	• 1 2	I" Q		
00000	c,tt4-DIC				a a a chunn d'achtair d' An N P An Lan P A	L	PHTHALATE, T HRACENEUTINYS		а Benzo(A)рұралыссағатыл. std.j		
00000		LE SPOC, T		μ.	н ЦĽ	FLUORANTHENE CCC,T PYRENE,T	ALPHTH/	D.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C	ENEGGI		
00000	EREEK	eytamın Reye.t	ALENE, 1	E.C.T.	HEMOUNEREFT	RANTHEN NE. T	BUTYLBENZYL	SPELDOS	VPERFN	B <b>HDENZ</b> ØJ( <b>R</b> ,BJ <b>AM</b> )FRYRRDBBAE, T BENZO(G,H,I)PERYLENE, T	
500000	HLOROF	DETERMEN BERENE	АРНТН	JPHENY	BUTYLP	FLUOF PYREI	BUT		JENZO(A	ଅନ୍ୟେକ୍ଷ G,H,I)PE	
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500000	amine 1.3.DICH	NH6K0	2-N	Peen Dilik		A Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos			and the second second second second second second second second second second second second second second second	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second sec	
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# 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

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<u>Chro</u>
Lab

Image: Sample         Date         Date           SN#4         S-1         ma         Extracted         A           ISV#4         S-2         ma         ma         1           SV#4         S-3         ma         ma         1           SV#4         S-4         ma         ma         1           SV#4         S-4         ma         1         1           SV#4         S-5         ma         1         1           SV#4         S-6         ma         1         1         1           SV#4         S-6         ma         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1<	Laboratory	Date	Date	Instrument				
1/7/09         1/8/09         GCMSV#4         Dample         Dample         Extracted         Analysis           1/7/09         1/8/09         GCMSV#4         S-1         na         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09         1/12/09	Number	Collected	Received	Name		Date	Date of	8260 Holding
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1/7/03         1/8/03         GCMSV#4         5-4         na         1/12/03           1/7/03         1/8/09         GCMSV#4         S-5         na         1/12/09           1/7/03         1/8/09         GCMSV#4         S-5         na         1/12/09           1/7/03         1/8/09         GCMSV#4         S-6         na         1/12/09           1/7/03         1/8/09         GCMSV#4         S-6         na         1/12/09           1/7/03         1/8/09         GCMSV#4         S-7         na         1/12/09           1/7/03         1/8/09         GCMSV#4         S-8         na         1/12/09	cauu82.U3	1/7/09	1/8/09	GCMSV#4	0.3		60/31/1	5
1/7/09         1/8/09         GCMSV#4         5-4         na         1/12/09           1/7/09         1/8/09         GCMSV#4         S-5         na         1/12/09           1/7/09         1/8/09         GCMSV#4         S-6         na         1/12/09           1/7/09         1/8/09         GCMSV#4         S-7         na         1/12/09           1/7/09         1/8/09         GCMSV#4         S-8         na         1/12/09	290082.04	1/7/09	1/8/09	GOMSV#4		В.	1/12/09	പ
1/7/09         1/8/09         GCMSV#4         S-5         na         1/12/09           1/7/09         1/8/09         GCMSV#4         S-6         na         1/12/09           1/7/09         1/8/09         GCMSV#4         S-7         na         1/12/09           1/7/09         1/8/09         GCMSV#4         S-7         na         1/12/09           1/7/09         1/8/09         GCMSV#4         S-8         na         1/12/09           1/7/09         1/8/09         GCMSV#4         S-8         na         1/12/09           1/7/09         1/8/09         GCMSV#4         S-8         na         1/12/09         na	290082.05	1/7/09	1/8/09	SARVANOG	0-4 1 (	na	1/12/09	IJ
1/7/03         1/8/09         GCMSV#4         S-6         na         1/12/03           1/7/03         1/8/09         GCMSV#4         S-7         na         1/12/03           1/7/03         1/8/09         GCMSV#4         S-8         na         1/12/03	290082.06	1 / 7 / 0.0	001011		ኖ-ው	0 L	1/12/09	un ا
1/7/03         1/8/09         GCMSV#4         S-7         na         1/12/09           1/7/09         1/8/09         GCMSV#4         S-8         na         1/12/09           1/7/09         1/8/09         GCMSV#4         S-8         na         1/12/09           1/7/09         1/8/09         GCMSV#4         S-8         na         1/12/09		CU/1/1	1/0/13	CMSV#4	Stf		1.10.00	
1/7/09         1/8/09         GCMSV#4         5-8         na         1/12/09           1/7/09         1/8/09         GCMSV#4         S-8         na         1/12/09           1/7/09         1/8/09         GCMSV#4         S-9         na         1/12/09	290082.07	1/7/09	1/8/09	GCMSV#4		ធប	60/21/1	ĉ
1/7/09 1/8/09 GCMSV#4 S-9 na 1/12/09 na 1/12/09 na 1/12/09	290082.08	1/7/09	1/8/09	COMENTAL		na	1/12/09	ഗ
1/1/03 1/10/03 GUMSV#4 8-9 8-9 na 1/12/09 1/12/09	290082.09	177/00	007071	14A0A00	ν-α	na	1/12/09	s
			En/0/1	GCMSV#4	S-9	Bu	1/12/09	۰ د

### Analytical Results Summary GCMSV4 Method 8260B

Lab	Sample	Extract	Sample	Final Water	Dilution	
Number	Volume/Weight	Volume	Aliquot	Volume	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
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### Method Detection Limits and Practical Quantitaton Limits for Method 8260B for Soil Purge and Trap Method 5035-GCMSV4

Compound	MDL	PQL	Compound	MDL	PQL
	(ug/Kg)	(ug/Kg)		(ug/Kg)	(ug/Kg)
dichlorodifluoromethane	0.25	1	1,3-dichloropropane	0.19	1
chlorodifluoromethane	0.26	1	tetrachloroethene	0.26	1
chloromethane	0.33	1	dibromochloromethane	0.30	1
vinyl chloride	0.14	1	1,2-dibromoethane	0.28	1
bromomethane	0.42	• • • • • • • • •	chlorobenzene	· · · 0.17 · · ·	· · · <b>†</b> · · ·
chloroethane	0.34	1	1,1,1,2-tetrachloroethane	0.31	1
trichlorofluoromethane	0.23	1	ethylbenzene	0.11	4
freon	0.37	1	m+p xylene	0.15	2
acetone	2.81	10	o-xylene	0.15	1
1,1-dichloroethene	0.25	1	styrene	0.10	1
methylene chloride	0.53	1	bromoform	0.20	1
carbon disulfide	0.19	1	isopropylbenzene	0.06	1
tert-butylmethylether	0.20	1	1,1,2,2-tetrachloroethane	0.34	1
trans-1,2-dichloroethene	0.39	1	1,2,3-trichloropropane	0.41	1
vinyl acetate	0.51	10	n-propylbenzene	0.14	1
1,1-dichloroethane	0.11	1	bromobenzene	0.24	1
methyl ethyl ketone	2.35	10	p-ethyltoluene	0.10	1
2,2-dichloropropane	0.31	1	1,3,5-trimethylbenzene	0.19	1
cis-1,2-dichloroethene	0.29	1	2-chlorotoluene	0.26	1
chloroform	0.21	1	4-chlorotoluene	0.12	1
bromochloromethane	0.41	1	tert-butylbenzene	0.31	1
1,1,1-trichloroethane	0.17	1	1,2,4-trimethylbenzene	0.13	1
1,1-dichloropropene	0.20	1	sec-butylbenzene	0.15	1
carbon tetrachloride	0.15	1	4-isopropyltoluene	0.11	1
1,2-dichloroethane	0.39	1	1,3-dichlorobenzene	0.23	1
benzene	0.16	1	1,4-dichlorobenzene	0.18	1
trichloroethene	0.27	1	1,2,3-trimethylbenzene	0.13	1
1,2-dichloropropane	0.32	1	n-butylbenzene	0.19	1
bromodichloromethane	0.18	1	p-diethylbenzene	0.21	1
dibromomethane	0.32	1	1,2-dichlorobenzene	0.19	1
2-chloroethylvinylether	0.48	1	1,2,4,5-tetramethylbenzene	0.18	1
4-methyl-2-pentanone	0.86	10	1,2-dibromo-3-chloropropan	0.71	1
cis-1,3-dichloropropene	0.29	1	1,2,4-trichlorobenzene	0.37	1
toluene	0.13	1	hexachlorobutadiene	0.27	4
trans-1,3-dichloropropene	0.22	1	naphthalene	0.32	1
1,1,2-trichloroethane	0.33	1	1,2,3-trichlorobenzene	0.36	1
2-hexanone	0.68	10	· • • • • • • • • • • • • • • • • • • •		

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#### 4A VOLATILE METHOD BLANK SUMMARY

			soil blank	l	
Lab Name: <u>Ecotest Labs, Inc.</u>		Contract	•		
Project No.:	Site:		Location:	Group:	
Lab File ID: 01120913.D				Lab Sample ID: soil blank	-
Date Analyzed: 1/12/09				Time Analyzed: <u>15:13</u>	
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:

· · ·		LAB	LAB	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	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				
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COMMENTS:

3/90

### Date Time Summary GCMSV4 Method 8260

Sar	nple	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 stud 2ug/Kg	1/9/09	17:50	Initial Calibration	
	soil stad Sug/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 strid 200g/Kg	1/9/09	19:18	Initial Calibration	
	soil stnd 100ug/Kg	1/9/09	19:40	Initial Calibration	
	soil stud 200ug/Kg	1/9/09	20:02	Initial Calibration	1
	bfb 50ng	1/9/09	20:46	BFB Tune Check	
			21:08	Initial Calibration Verification	
· · · · · · · · · · · · · · · · · · ·		1/12/09	10:30	BFB Tune Check	· · · · · · · ·
	bfb 50ng	1/12/09	11:49	Continuing Calibration	]
	soil stnd 20ug/Kg	1/12/09	12:33	Low level check standard	]
	soil stnd 1ug/Kg	1/12/09	13:24	Second Source Reference Sample	1
	reference 10ug/Kg		15:13	Method Blank	
	soil blank 1g	1/12/09	16:41	Sample	1
	290082.01 1g	1/12/09	17:03	Sample	1
	290082.02 1g	1/12/09	17:25	Sample	1
	290082.03 1g	1/12/09	17:25	Sample	1
	290082.04 1g	1/12/09		Sample	1
	290082.05 1g	1/12/09	18:09	Sample	1
	290082.06 1g	1/12/09	18:31	Sample	-
	290082.07 1g	1/12/09	18:53		4
	290082.08 1g	1/12/09	19:15	Sample	
	290082.09 1g	1/12/09	19:37	Sample	-1
	290082.09 1g +20MS	1/12/09	19:59	Matrix Spike	4
	290082.09 1g +20MSD	1/12/09	20:21	Matrix Spike Duplicate	
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Surrogate Compound*	QC Limits
12-Dichloroethane-d4	94%> 114%
Toluene-d8	89%> 108%
4-Bromofluorobenzene	73%>114%

Date	Sample	1,2-Dichlorethane-d4 % Recovery	Totuene-d8 % Recovery	% Recovery
of Analysis	11	99	96	90
1/12/09	soil stnd 1ug/Kg	105	99	96
1/12/09	reference 10ug/Kg	100	97	86
1/12/09	soil blank 1g	101	97	87
1/12/09	290082.01 1g	103	97	84
1/12/09	290082.02 1g	96	96	86
1/12/09	290082.03 1g	90	96	86
1/12/09	290082.04 1g	99	97	84
1/12/09	290082.05 1g		96	84
1/12/09	290082.06 1g	100	97	84
1/12/09	290082.07 1g	101	96	76
1/12/09	290082.08 1g	104	98	85
1/12/09	290082.09 1g	101	100	97
1/12/09	290082.09 1g +20MS	101	99	95
1/12/09	290082.09 1g +20MSD	101	33	
				<u> </u>

*All Samples were spiked with 50ug/Kg of all surrogate compounds. !!-Value out of QC limits.

# 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		

	SPIKE ADDED	SAMPLE CONCENTRATION	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
COMPOUND	(ug/L)	(ug/L)	21.7	109	76 120
1,1-dichloroethene	20		21.4	107	76 118
Trichloroethene	20	0	21.4	107	78 119
Chlorobenzene	20		21.5	107	76 114
Toluene	20	0.2	21.2	106	85 113
Benzene	20	0			

	SPIKE ADDED	MSD CONCENTRATION	MS % REC #	% RPD #	QC LI RPD	REC.	
COMPOUND	(ug/L)	(ug/L) 20.8	104	4.2	19.0	76 120	-
1,1-dichloroethene	20	20.6	103	3.8	15.0	83 114 78 119	
Trichloroethene Chlorobenzene	20	21.0	105	<u>1.9</u> 1.0	12.0	77 110	6
Toluene	20	21.3 21.5	108	1.4	10.0	85 11	3
Benzene	20		<u></u>				

# Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments:

FORM III VOA-1

3/90

VOLA		STANDAN			11	
Lab Name:Ecotest Labor	atories, Inc.	·····	Contract:			
Project No.:	Site:	Site: Location:			Group:	
Lab File ID (Standard): 11120	)905.D		Date	Analyzed:	1/12/09	
Instrument ID: GCMSV4			Time	Analyzed:	11:49	
GC Column: DB-VRX	ID:	<u>0.18</u> (mi	m) Hea	ated Purge:	(Y/N) <u>Y</u>	
	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			<u> </u>			
17						
18						

### VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

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

<b>VOLATILE INTERNAL ST</b>	ANDARD AREA	AND RT	SUMMARY
-----------------------------	-------------	--------	---------

Lab Name: Ecotest Laboratories, Inc.			_	Cont	ract:								
Project No.:		_	Site:			Loca	tion:			Gro	oup:		
Lab File ID (Star	ndard):	11120905.	D				Date	e Analyz	ed:	1/12/09	_		
Instrument ID:	GCMSV4	-					Time	e Analyz	ed:	11:49			
GC Column:	DB-VRX	-	ID:	0.18	_ (mr	m)	He	ated Pu	rge:	(Y/N)	Y		
		IS4 AREA	#	RT	#	AREA	#	RT	#	AREA	#	RT	#
10.00		205522	2	<u><u> </u></u>	1								

1			<b>Π</b> Π		111 11		
ľ	12 HOUR STD	2855228	8.14				
•••	UPPER LIMIT	5710456	8.64				
	LOWER LIMIT	1427614	7.64				
ľ	SAMPLE						
	NO.						
01	soil stnd 1ug/Kg	2277561	8.14				
	reference 10ug/Kg	2507394	8.13				
	soil blank 1g	1943081	8.13				
	290082.01 1g	2158769	8.14			· · · · · · · · · · · · · · · · · · ·	
	290082.02 1g	2097303	8,14				· ·
	290082.03 1g	2030078	8.14				
	290082.04 1g	2014877	8.13				
	290082.05 1g	1964172	8.13				
	290082.06 1g	1959617	8.13				
	290082.07 1g	1814091	8.13				
	290082.08 1g	1622656	8.13				
	290082.09 1g	1942325	8.13				
	290082.09 1g +20MS	2329846	8.13				İ
	290082.09 1g +20MSD	2348019	8.13				
15	230082.03 19 1201000	2010010	0.10				
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IS4 = 1,4-dichlorobenzene-d4

### 5A VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK BROMOFLUOROBENZENE (BFB)

Lab Name :	Ecotest Labs, Inc.			_ C	ontract:			
Project No.:		Site:		~	Location:		Group:	
Lab File ID:	01090901.D				E	3FB Injection Date:	1/9/09	
Instrument ID:	GCMSV4				E	BFB Injection Time:	16:45	
GC Column:	DB-VRX	ID:	0.18	(mm)	Н	eated Purge: (Y/N) _	Υ	

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:

	LAB	LAB	DATE	TIME
SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	ANALYZED
01 soil stnd 1ug/Kg	Initial Calibration		01/9/09	17:28
02 soil stnd 2ug/Kg	Initial Calibration		01/9/09	17:50
03 soil stnd 5ug/Kg	Initial Calibration		01/9/09	18:12
04 soil stnd 10ug/Kg	Initial Calibration		01/9/09	18:34
05 soil stnd 20ug/Kg	Initial Calibration		01/9/09	18:56
06 soil stnd 50ug/Kg	Initial Calibration		01/9/09	19:18
07 soil stnd 100ug/Kg	Initial Calibration		01/9/09	19:40
08 soil stnd 200ug/Kg	Initial Calibration	n 01090910.D	01/9/09	20:02
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### 5A VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK BROMOFLUOROBENZENE (BFB)

Lab Name :Ecotest	Labs, Inc.	Contract:	
Project No.:	Site:	Location:	Group:
Lab File ID: 010909	12.D	BFB Injection Dat	e: <u>1/9/09</u>
Instrument ID: GCMS		BFB Injection Tim	e: <u>20:46</u>
GC Column: DB-VR	X ID: 0.18 (	(mm) Heated Purge: (Y/I	4) <u>Y</u>

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:

ſ		LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	SAMPLE NO.			01/9/09	21:08
	soil stnd 20ug/Kg	Initial Calibration V	/eni//090913.D	01000	
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### 5A VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK BROMOFLUOROBENZENE (BFB)

Lab Name :	Ecotest Labs, Inc.		Co	ontract:		
Project No.:	****	Site:		Location:		Group:
Lab File ID:	01120902.D				BFB Injection Date:	1/12/09
Instrument ID:					BFB Injection Time:	10:30
		ID:	0.18 (mm)		Heated Purge: (Y/N)	Υ
					%RELA	TIVE

m/e	ION ABUNDANCE CRITERIA	ABUNDAN	
	8.0 - 40.0% of mass 95		20.4
50	30.0 - 66.0% of mass 95		51.9
75	Base peak, 100% relative abundance		100
95	5.0 - 9.0% of mass 95		6.6
96 173	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	50.90% 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:

Г		LAB	LAB	DATE	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	ANALYZED
01	soil stnd 20ug/Kg	Continuing Calibration	on 01120905.D	01/12/09	11:49
	soil stnd 1ug/Kg	Low level check star	nde 01120907.D	01/12/09	12:33
03	reference 10ug/Kg	Second Source Refe	ere 01120908.D	01/12/09	13:24
04	soil blank 1g	Method Blank	01120913.D	01/12/09	15:13
	290082.01 1g	Sample	01120917.D	01/12/09	16:41
	290082.02 1g	Sample	01120918.D	01/12/09	17:03
	290082.03 1g	Sample	01120919.D	01/12/09	17:25
	290082.04 1g	Sample	01120920.D	01/12/09	17:47
	290082.05 1g	Sample	01120921.D	01/12/09	18:09
	290082.06 1g	Sample	01120922.D	01/12/09	18:31
	290082.07 1g	Sample	01120923.D	01/12/09	18:53
	290082.08 1g	Sample	01120924.D	01/12/09	19:15
	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 Duplic	ate 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				Lower control	Upper control	
Compound	Source	Target	Result	Limit	Limit	
		(ug/L)	(ug/L)	(ug/L)	(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	
Vinvl 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	ļ
Freon 113	(3)	10	12.3	9,0	14.0	Ļ
1 1-Dichloroethene	(1)	10	11.6	7.8	11.6	Į
Acetone	(3)	100	97.2	66.3	124.7	ļ
Methylene chloride	(1)	10	9.8	8.3	11.1	ļ
trans-1,2-Dichloroethene	(1)	10	11.9	8.0	11.1	<b>ļ</b>
tert-butyl methyl Ether	(3)	10	9,8	9.1	13.0	ļ
1,1-Dichloroethane	(1)	10	10.8	7.7	. 11.7	<b>_</b>
2.2-Dichloropropane	(1)	10	10.9	7.9	11.3	ļ
cis-1,2-Dichloroethene	(1)	10	11.2	7.3	12.6	ļ
Methyl ethyl ketone	(3)	100	91.6	71.2	137.5	4
Chloroform	(1)	10	11.1	7.2	12.5	<b>_</b>
Bromochloromethane	(1)	10	9.6	8.2	11.7	4
1.1.1-Trichloroethane	(1)	10	10.3	7.2	11.0	_
1,1-Dichloropropene	(1)	10	11.4	4.6	13.0	<u> </u>
Carbon tetrachloride	(1)	10	11.5	8.7	12.3	_
Benzene	(1)	10	11.3	8.7	11,4	<u> </u>
1,2-Dichloroethane	(1)	10	10.4	8.5	11.9	_
Trichloroethene	(1)	10	11.5	7.5	11.9	Ļ
1.2-Dichloropropane	(1)	10	10.4	8.4	11.9	4
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	1
Methyl isobutyl ketone	(3)	100	91.5	80.9	116.8	4_
Toluene	(1)	10	11.6	7.4	12.1	_
trans-1.3-Dichloropropene		10	10.0	7.6	11.3	
1,1,2-Trichloroethane		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	

 1,3-Dichloropropane
 (1)
 10

 #- Column to be used to flag reference result with an asterisk.

*- Result is outside of QC limits.

Page 1

# 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.

	1			Upper control	Lower Control	
Compound	Source	Target	Result	Limit	Limit	#
		(ug/L)	(ug/L)	(ug/L)	(ug/L)	<b>—</b>
ab	(1)	10	11.0	8.5	12.4	<u> </u>
Dibromochloromethane		10	10.4	7.8	11.1	$\vdash$
1,2-Dibromoethane	(1)	10	11.6	7.8	12.0	┣━━┫
Chlorobenzene	+ (1)	10	11.0	8.0	11.6	-
1,1,1,2-Tetrachloroethane	(1)	10	11.7	7,4	11.8	┟──┤
Ethyl Benzene	$+$ $\frac{(i)}{(1)}$	20	23,5	14.2	24.9	┟──┤
M+P-Xylene		10	11.0	7.7	12.2	<b></b>
O-Xylene	(1)	10	11.1	7.5	12.0	<b>_</b>
Styrene	(1)	10	10.2	8.0	11.8	<b>_</b>
Bromoform	(1)	10	10.1	6.5	11.5	<u> </u>
Isopropylbenzene	(1)	10	10.2	7.9	12.2	<u> </u>
1,1,2,2-Tetrachloroethane	(1)	10	10.7	8.5	11.4	<u> </u>
1,2,3-Trichloropropane		10	11.9	6.7	13.2	<u> </u>
Bromobenzene	(1)	10	12.1	8.7	13.4	
n-Propylbenzene	(1)	10	10.6	5.0	14.5	1
p-Ethyltoluene	(3)	10	11.6	6.0	13.4	1_
2-Chlorotoluene	(1)	10	11.4	5.3	12.8	
1,3,5-Trimethylbenzene	(1)	10	11.7	5.1	14.1	1
4-Chlorotoluene	(1)	10	11.4	6.0	12.7	L
tert-Butylbenzene	(1)	10	11.4	5.3	13.5	
1,2,4-Trimethylbenzene	(1)	10	12.2	5.0	13.1	
sec-Butylbenzene	(1)	10	11.8	4.3	12.9	
p-Isoprovitoluene	(1)	10	11.9	8.7	13.5	T
1,3-Dichlorobenzene	(1)	10	12.2	8.6	13.7	
1,4-Dichlorobenzene	(1)	10	10.9	7.7	14.5	
p-Diethylbenzene	(3)		13.3	9.0	14.5	
n-Butylbenzene	(1)	10	11.6	7.8	14.6	
1.2-Dichlorobenzene	(1)	10	10.3	5.0	15.7	
1,2,4,5-Tetramethylbenzene	(3)	10	9,1	7.0	13.3	T
1,2-Dibromo-3-chloropropane	(1)	10	13.2	8.6	14.0	Т
1,2,4-Tirchlorobenzene	(1)	10	13.2	3.8	16.5	
Hexachlorobutadiene	(1)	10	11.0	6.3	15.2	-
Naphthalene	(1)	10	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se	5.5	14.4	-
1,2,3-Trichlorobenzene	(1)	10	12.8	<u> </u>		ī

#- 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.

SAMPLE NO.

soil blank

# VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: ECOTEST	LABS		Contract:	
		Site:	Location:	Group:
Project No.:	•	·····		Lab Sample ID: soil blank
Matrix: (soil/water)	soil	***		Lab File ID: 01090913.D
Sample wt/vol:	1.0	(g/mL) <u>g</u>		
	loss	····		Date Received: <u>na</u>
Level: (low/med)	low			Date Analyzed: 1/9/09
% Solid:	na			
OC Calumni	DB-VRX	ID: 0.18	(mm)	Dilution Factor: 5
GC Column:				Soil Aliquot Volume: <u>na</u> (uL)
Soil Extract Volume:	na	(mL)		

### Concentration Units: (ua/L or ua/Kg)

	Concentration Onits.		
	(ug/L or ug/Kg)	ug/Kg	
at a Musher	Compound Name	CONC.	Q
CAS Number	Dichlordifluoromethane	5	U
1. 75-71-8	Chloromethane	5	U
2. 74-87-3		5	U
3. 75-01-4	Vinyl Chloride Bromomethane	5	U
4. 74-83-9		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 U
18. 71-43-2	Benzene	5	Ū
19, 107-06-2	1,2 Dichloroethane	5	Ū
20. 79-01-6	Trichloroethene	5	+ <u> </u>
21. 78-87-5	1,2 Dichloropropane	5	t Ū
22, 74-95-3	Dibromomethane		<u>├ Ū</u>
23. 75-27-4	Bromodichloromethane	5	+
24. 10061-01-5	c-1,3Dichloropropene	5	<del>- ŭ</del>
25. 108-88-3	Toluene		+ Ŭ
26. 10061-02-6	t-1,3Dichloropropene	5	$+$ $\tilde{u}$
27. 79-00-5	112 Trichloroethane		$+$ $\overline{\mathbf{U}}$
28. 127-18-4	Tetrachloroethene	5	$+ \frac{1}{0}$
29. 142-28-9	1,3-Dichloropropane	5	$+$ $\frac{3}{0}$
30. 124-48-1	Chlorodibromomethane		<u> </u>

SAMPLE NO.

soil blank

### VOLATILE ORGANICS ANALYSIS DATA SHEET

				1
Lab Name: ECOTEST	LABS	C	ontract:	<b></b>
Project No.: Site:			ocation:	Group:
Matrix: (soil/water)	soil	_	Lab Sample I	D: soil blank
Sample wt/vol:	1.0	_(g/mL) <u>g</u>	Lab File I	D: 01090913.D
Level: (low/med)	low		Date Receive	ed: <u>na</u>
% Solid:	na	_	Date Analyze	ed: <u>1/9/09</u>
GC Column:	DB-VRX	ID: <u>0.18</u> (mr	n) Dilution Fact	or: <u>5</u>
Soil Extract Volume:	na	_ (mL)	Soil Aliquot Volun	ne: <u>na</u> (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> </u>
21. 541-73-1	1,3 Dichlorobenzene (v)	5	<u> </u>
22. 106-46-7	1,4 Dichlorobenzene (v)	5	<u> </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

SAMPLE NO.

soil blank

# VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: ECOTEST	LABS		Contract:	Name and a state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state o
Project No.:		Site:	Location:	Group:
Matrix: (soil/water)	soil	_		Lab Sample ID: soil blank
Sample wt/vol:	1.0	_(g/mL) <u>g</u>		Lab File ID: <u>01090913.D</u>
Level: (low/med)	low			Date Received: <u>na</u>
% Solid:	na			Date Analyzed: <u>1/9/09</u>
GC Column:	DB-VRX	ID: 0.18	(mm)	Dilution Factor: 5
Soil Extract Volume:	na	_ (mL)		Soil Aliquot Volume: <u>na</u> (uL)

**Concentration Units:** ug/Kg (ug/L or 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	υ
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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<u>16.</u> 17.			
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SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET

292082.01

Lab Name: ECOTEST	Contract:					
Project No.:		Site:	Location:		Group:	
Matrix: (soil/water)	soil			Lab Sample ID:	292082.01	
Sample wt/vol:	1.0	- (g/mL) <u>g</u>		Lab File ID:	1120917.D	
Level: (low/med)	low	_ (0: /		Date Received	1/8/09	-
% Solid:	na	nant.		Date Analyzed	:	
GC Column:	DB-VRX	ID: 0.18	(mm)	Dilution Factor	:5	
Soil Extract Volume:	na	(mL)	So	il Aliquot Volume	: <u>na</u> (ul	.)

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

	(ug/L of ug/rvg)	ug/ng	
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 U
18. 71-43-2	Benzene	5	U
19. 107-06-2	1,2 Dichloroethane	5	U
20. 79-01-6	Trichloroethene	5	U
	1,2 Dichloropropane	5	U
21. 78-87-5	Dibromomethane	5	U
22. 74-95-3	Bromodichloromethane	5	U
23. 75-27-4	c-1,3Dichloropropene	5	U
24. 10061-01-5	Toluene	5	U
25. 108-88-3	t-1,3Dichloropropene	5	U
26. 10061-02-6	112 Trichloroethane	5	U
27. 79-00-5	Tetrachloroethene	9	1
28. 127-18-4		5	<del> </del>
29. 142-28-9	1,3-Dichloropropane Chlorodibromomethane	5	<del> </del>
30. 124-48-1		<u></u>	3

SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

292082.01

Lab Name: ECOTEST	ABS		Contract:	
		Site:	Location:	Group:
Project No.:		Sile.		Lab Sample ID: 292082.01
Matrix: (soil/water)	soil	-		
	1.0	(g/mL) <u>g</u>		Lab File ID: <u>1120917.D</u>
Sample wt/vol:	1.0		-	Date Received: 1/8/09
Level: (low/med)	low	-		
				Date Analyzed: 1/12/09
% Solid:	na		<i>(</i> )	Dilution Factor: 5
GC Column:	DB-VRX	ID: 0.18		
		(mL)		Soil Aliquot Volume: <u>na</u> (uL)
Soil Extract Volume:	na	(1111-)		
			Concentrati	on Units:

Concentration Units: (ug/L or ug/Kg) <u>ug/Kg</u>

	Compound Name	CONC.	Q
CAS Number	1,2 Dibromoethane	5	U
1. 106-93-4	Chlorobenzene	5	U
2. 108-90-7		5	U
3. 100-41-4	Ethyl Benzene 1112Tetrachloroethane	5	U
4. 630-20-6		10	U
5.	m + p Xylene	5	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 1122Tetrachloroethane	5	U
11. 79-34-5		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)		<del>  U</del>
27.87-68-3	Hexachlorobutadiene	5	U
28. 91-20-3	Naphthalene(v)	5	U
29.87-61-6	123-Trichlorobenzene	5	+
30. 1634-04-4	ter.ButylMethylEther		

SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET

292082.01

Lab Name: ECOTEST	LABS		Contract:	
		Site:	Location:	Group:
Project No.:		0		Lab Sample ID: 292082.01
Matrix: (soil/water)	soil	<del></del>		Lab File ID: 1120917.D
Sample wt/vol:	1.0	_(g/mL) <u>g</u>		
Level: (low/med)	low			Date Received: 1/8/09
	na			Date Analyzed: 1/12/09
% Solid:		-	(mm)	Dilution Factor: 5
GC Column:	DB-VRX	ID: 0.18	•	
Soil Extract Volume:	na	_ (mL)	ę	Soil Aliquot Volume: <u>na</u> (uL)

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

4. 67-64-1         Acetone         50         1           5. 78-93-3         Methyl Ethyl Ketone         50         1           6. 108-10-1         Methylisobutylketone         50         1           7. 75-45-6         Chlorodifluoromethane         5         1           8. 105-05-5         p Diethylbenzene         5         1           9.	<u>ک</u>
1. 622-96-8       p-Ethyltoldene       5       L         2. 76-13-1       Freon 113       5       L         3. 95-93-2       1245 Tetramethylbenz       5       L         4. 67-64-1       Acetone       50       L         5. 78-93-3       Methyl Ethyl Ketone       50       L         6. 108-10-1       Methylisobutylketone       50       L         7. 75-45-6       Chlorodifluoromethane       5       L         8. 105-05-5       p Diethylbenzene       5       L         9.	J
2. 76-13-1       Freen 113       5         3. 95-93-2       1245 Tetramethylbenz       50         4. 67-64-1       Acetone       50         5. 78-93-3       Methyl Ethyl Ketone       50         6. 108-10-1       Methylisobutylketone       50         7. 75-45-6       Chlorodifluoromethane       5         8. 105-05-5       p Diethylbenzene       5         9.	J
3. 95-93-2       1245 Tetrametrybenz       50       1         4. 67-64-1       Acetone       50       1         5. 78-93-3       Methyl Ethyl Ketone       50       1         6. 108-10-1       Methylisobutylketone       50       1         7. 75-45-6       Chlorodifluoromethane       5       1         8. 105-05-5       p Diethylbenzene       5       1         9.       10.       1       1       1         12.       1       1       1       1         13.       1       1       1       1         14.       1       1       1       1         15.       1       1       1       1         18.       19.       1       1       1	J
4. 67-64-1       Acetone       50       I         5. 78-93-3       Methyl Ethyl Ketone       50       I         6. 108-10-1       Methylisobutylketone       50       I         7. 75-45-6       Chlorodifluoromethane       5       I         8. 105-05-5       p Diethylbenzene       5       I         9.       I       I       I         10.       I       I       I         12.       I       I       I         13.       I       I       I         14.       I       I       I         15.       I       I       I         16.       I       I       I         19.       I       I       I	J
5. 78-93-3       Metnyl Etnyl Ketone       50       I         6. 108-10-1       Methylisobutylketone       5       I         7. 75-45-6       Chlorodifluoromethane       5       I         8. 105-05-5       p Diethylbenzene       5       I         9.	J
6. 108-10-1       Methylisobutylketone       5         7. 75-45-6       Chlorodifluoromethane       5         8. 105-05-5       p Diethylbenzene       5         9.	J
7. 75-45-6       Chlorodindoromentane       5         8. 105-05-5       p Diethylbenzene       5         9.	J
8. 105-05-5       p Diethylbenzene         9.	J
10.     11.       11.     12.       13.     13.       14.     15.       15.     16.       17.     18.       19.     19.	
11.     12.       13.     13.       14.     15.       15.     16.       17.     18.       19.     19.	
12.       13.       14.       15.       16.       17.       18.       19.	
13.       14.       15.       16.       17.       18.       19.	
13.       14.       15.       16.       17.       18.       19.	
14.       15.       16.       17.       18.       19.	
15.       16.       17.       18.       19.	
16.       17.       18.       19.	
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1A	
VOLATILE ORGANICS ANALYSIS DATA	A SHEET

					29208	2.02
Lab Name: ECOTEST	LABS		Contract		L	I
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/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

SAMPLE NO.

		1A	
VOLATILE	ORGANICS	ANALYSIS	DATA SHEET

					2920	82.02
Lab Name: ECOTEST	LABS		Contract:		L	L
Project No.:		Site:	Location:		Group:	
Matrix: (soil/water)	soil	_		Lab Sample ID:	292082.02	
Sample wt/vol:	1.0	_(g/mL) <u>g</u>		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

1. 106-93-4       1,2 Dibromoethane       5         2. 108-90-7       Chlorobenzene       5         3. 100-41-4       Ethyl Benzene       5         4. 630-20-6       1112Tetrachloroethane       5         5.       m + p Xylene       10         6. 95-47-6       o Xylene       5         7. 100-42-5       Styrene       5         8. 75-25-2       Bromoform       5         9. 98-82-8       Isopropylbenzene       5         10. 108-86-1       Bromobenzene       5         11. 79-34-5       1122Tetrachloroethane       5         12. 96-18-4       123-Trichloropropane       5         13. 103-65-1       n-Propylbenzene       5         14. 95-49-8       2-Chlorotoluene       5         15. 108-67-8       135-Trimethylbenzene       5         16. 106-43-4       4-Chlorotoluene       5         17. 98-06-6       tert-Butylbenzene       5       1         18. 95-63-6       124-Trimethylbenzene       5       1	
2. 108-90-7       Chlorobenzene       5         3. 100-41-4       Ethyl Benzene       5         4. 630-20-6       1112Tetrachloroethane       5         5.       m + p Xylene       10         6. 95-47-6       o Xylene       5         7. 100-42-5       Styrene       5         8. 75-25-2       Bromoform       5         9. 98-82-8       Isopropylbenzene       5         10. 108-86-1       Bromobenzene       5         11. 79-34-5       1122Tetrachloroethane       5         12. 96-18-4       123-Trichloropropane       5         13. 103-65-1       n-Propylbenzene       5         14. 95-49-8       2-Chlorotoluene       5         15. 108-67-8       135-Trimethylbenzene       5         16. 106-43-4       4-Chlorotoluene       5         17. 98-06-6       tert-Butylbenzene       5         18. 95-63-6       124-Trimethylbenzene       5	U U
3. 100-41-4       Ethyl Benzene       5         4. 630-20-6       1112Tetrachloroethane       5         5.       m + p Xylene       10         6. 95-47-6       o Xylene       5         7. 100-42-5       Styrene       5         8. 75-25-2       Bromoform       5         9. 98-82-8       Isopropylbenzene       5         10. 108-86-1       Bromobenzene       5         11. 79-34-5       1122Tetrachloroethane       5         12. 96-18-4       123-Trichloropropane       5         13. 103-65-1       n-Propylbenzene       5         14. 95-49-8       2-Chlorotoluene       5         15. 108-67-8       135-Trimethylbenzene       5         16. 106-43-4       4-Chlorotoluene       5         17. 98-06-6       tert-Butylbenzene       5         18. 95-63-6       124-Trimethylbenzene       5	U
4. 630-20-6       1112Tetrachloroethane       5         5.       m + p Xylene       10         6. 95-47-6       o Xylene       5         7. 100-42-5       Styrene       5         8. 75-25-2       Bromoform       5         9. 98-82-8       Isopropylbenzene       5         10. 108-86-1       Bromobenzene       5         11. 79-34-5       1122Tetrachloroethane       5         12. 96-18-4       123-Trichloropropane       5         13. 103-65-1       n-Propylbenzene       5         14. 95-49-8       2-Chlorotoluene       5         15. 108-67-8       135-Trimethylbenzene       5         16. 106-43-4       4-Chlorotoluene       5         17. 98-06-6       tert-Butylbenzene       5         18. 95-63-6       124-Trimethylbenzene       5	
5.       m + p Xylene       10         6. 95-47-6       o Xylene       5         7. 100-42-5       Styrene       5         8. 75-25-2       Bromoform       5         9. 98-82-8       Isopropylbenzene       5         10. 108-86-1       Bromobenzene       5         11. 79-34-5       1122Tetrachloroethane       5         12. 96-18-4       123-Trichloropropane       5         13. 103-65-1       n-Propylbenzene       5         14. 95-49-8       2-Chlorotoluene       5         15. 108-67-8       135-Trimethylbenzene       5         16. 106-43-4       4-Chlorotoluene       5         17. 98-06-6       tert-Butylbenzene       5         18. 95-63-6       124-Trimethylbenzene       5	J
6. 95-47-6       o Xylene       5         7. 100-42-5       Styrene       5         8. 75-25-2       Bromoform       5         9. 98-82-8       Isopropylbenzene       5         10. 108-86-1       Bromobenzene       5         11. 79-34-5       1122Tetrachloroethane       5         12. 96-18-4       123-Trichloropropane       5         13. 103-65-1       n-Propylbenzene       5         14. 95-49-8       2-Chlorotoluene       5         15. 108-67-8       135-Trimethylbenzene       5         16. 106-43-4       4-Chlorotoluene       5         17. 98-06-6       tert-Butylbenzene       5         18. 95-63-6       124-Trimethylbenzene       5	
7. 100-42-5       Styrene       5         8. 75-25-2       Bromoform       5         9. 98-82-8       Isopropylbenzene       5         10. 108-86-1       Bromobenzene       5         11. 79-34-5       1122Tetrachloroethane       5         12. 96-18-4       123-Trichloropropane       5         13. 103-65-1       n-Propylbenzene       5         14. 95-49-8       2-Chlorotoluene       5         15. 108-67-8       135-Trimethylbenzene       5         16. 106-43-4       4-Chlorotoluene       5         17. 98-06-6       tert-Butylbenzene       5         18. 95-63-6       124-Trimethylbenzene       5	J
8. 75-25-2       Bromoform       5         9. 98-82-8       Isopropylbenzene       5         10. 108-86-1       Bromobenzene       5         11. 79-34-5       1122Tetrachloroethane       5         12. 96-18-4       123-Trichloropropane       5         13. 103-65-1       n-Propylbenzene       5         14. 95-49-8       2-Chlorotoluene       5         15. 108-67-8       135-Trimethylbenzene       5         16. 106-43-4       4-Chlorotoluene       5         17. 98-06-6       tert-Butylbenzene       5         18. 95-63-6       124-Trimethylbenzene       5	J
9. 98-82-8       Isopropylbenzene       5         10. 108-86-1       Bromobenzene       5         11. 79-34-5       1122Tetrachloroethane       5         12. 96-18-4       123-Trichloropropane       5         13. 103-65-1       n-Propylbenzene       5         14. 95-49-8       2-Chlorotoluene       5         15. 108-67-8       135-Trimethylbenzene       5         16. 106-43-4       4-Chlorotoluene       5         17. 98-06-6       tert-Butylbenzene       5         18. 95-63-6       124-Trimethylbenzene       5	J
10. 108-86-1       Bromobenzene       5       1         11. 79-34-5       1122Tetrachloroethane       5       1         12. 96-18-4       123-Trichloropropane       5       1         13. 103-65-1       n-Propylbenzene       5       1         14. 95-49-8       2-Chlorotoluene       5       1         15. 108-67-8       135-Trimethylbenzene       5       1         16. 106-43-4       4-Chlorotoluene       5       1         17. 98-06-6       tert-Butylbenzene       5       1         18. 95-63-6       124-Trimethylbenzene       5       1	J
11. 79-34-5       1122Tetrachloroethane       5       1         12. 96-18-4       123-Trichloropropane       5       1         13. 103-65-1       n-Propylbenzene       5       1         14. 95-49-8       2-Chlorotoluene       5       1         15. 108-67-8       135-Trimethylbenzene       5       1         16. 106-43-4       4-Chlorotoluene       5       1         17. 98-06-6       tert-Butylbenzene       5       1         18. 95-63-6       124-Trimethylbenzene       5       1	J
12. 96-18-4       123-Trichloropropane       5         13. 103-65-1       n-Propylbenzene       5         14. 95-49-8       2-Chlorotoluene       5         15. 108-67-8       135-Trimethylbenzene       5         16. 106-43-4       4-Chlorotoluene       5         17. 98-06-6       tert-Butylbenzene       5         18. 95-63-6       124-Trimethylbenzene       5	j
13. 103-65-1       n-Propylbenzene       5       1         14. 95-49-8       2-Chlorotoluene       5       1         15. 108-67-8       135-Trimethylbenzene       5       1         16. 106-43-4       4-Chlorotoluene       5       1         17. 98-06-6       tert-Butylbenzene       5       1         18. 95-63-6       124-Trimethylbenzene       5       1	J
13. 103-65-1       n-Propylbenzene       5       1         14. 95-49-8       2-Chlorotoluene       5       1         15. 108-67-8       135-Trimethylbenzene       5       1         16. 106-43-4       4-Chlorotoluene       5       1         17. 98-06-6       tert-Butylbenzene       5       1         18. 95-63-6       124-Trimethylbenzene       5       1	J
14. 95-49-8       2-Chlorotoluene       5       1         15. 108-67-8       135-Trimethylbenzene       5       1         16. 106-43-4       4-Chlorotoluene       5       1         17. 98-06-6       tert-Butylbenzene       5       1         18. 95-63-6       124-Trimethylbenzene       5       1	J
16.         106-43-4         4-Chlorotoluene         5         1           17.         98-06-6         tert-Butylbenzene         5         1           18.         95-63-6         124-Trimethylbenzene         5         1	J
17. 98-06-6         tert-Butylbenzene         5         1           18. 95-63-6         124-Trimethylbenzene         5         1	J
18. 95-63-6 124-Trimethylbenzene 5 U	J
	J
19 125 98 9 Jose Butylbonzone	J
	J
	J
21. 541-73-1 1,3 Dichlorobenzene (v) 5 L	J
22. 106-46-7 1,4 Dichlorobenzene (v) 5	J
23. 104-51-8 n-Butylbenzene 5 U	J
24. 95-50-1 1,2 Dichlorobenzene (v) 5 L	J
25. 96-12-8 Dibromochloropropane 5 L	J
26. 120-82-1 124-Trichlorobenzene (v) 5 L	J
27. 87-68-3 Hexachlorobutadiene 5 L	J
28. 91-20-3 Naphthalene(v) 5 L	J
29. 87-61-6 123-Trichlorobenzene 5 L	
30. 1634-04-4 ter.ButylMethylEther 5 L	

SAMPLE NO.

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			1A		SAMPLE NO.
	V	DLATILE ORGANICS	ANALYSIS DA	TA SHEET	292082.02
Lab Name: ECOTES	T LABS		Contract:		L]
Project No.:		Site:	Location:		Group:
Matrix: (soil/water)	soil			Lab Sample ID:	292082.02
Sample wt/vol:	1.0	(g/mL)		Lab File ID:	1120918.D

Sample wt/vol:	1.0(g/mL) <u>g</u>	Lab File ID: <u>1120918.D</u>
Level: (low/med)	low	Date Received: 1/8/09
% Solid:	na	Date Analyzed: 1/12/09
GC Column:	DB-VRXID:0.18(mm)	Dilution Factor:5
Soil Extract Volume:	<u>na</u> (mL)	Soil Aliquot Volume: <u>na</u> (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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				292082.03	
Lab Name: ECOTEST	LABS		_ Contract:		
Project No.:	-	Site:	Location:	Group:	
Matrix: (soil/water)	soil			Lab Sample ID: <u>292082.03</u>	
Sample wt/vol:	1.0	_(g/mL) <u>g</u>	_	Lab File ID: <u>1120919.D</u>	
Level: (low/med)	low			Date Received: <u>1/8/09</u>	
% Solid:	na			Date Analyzed: <u>1/12/09</u>	
GC Column:	DB-VRX	ID: 0.18	_ (mm)	Dilution Factor: 5	
Soil Extract Volume:	na	(mL)		Soil Aliguot Volume: na (uL)	

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

	(ug/L or ug/Kg)	ug/Kg	
CAS Number	Compound Name	CONC.	Q
1. 75-71-8	Dichlordifluoromethane	5	Ú
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

SAMPLE NO.

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				292082.03	
Lab Name: ECOTEST	LABS		Contract:		
Project No.:		Site:	Location:	Group:	
Matrix: (soil/water)	soil	_		Lab Sample ID: <u>292082.03</u>	
Sample wt/vol:	1.0	_ (g/mL) _ <u>g</u>		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	Ŭ
11. 79-34-5	1122Tetrachloroethane	5	U
12. 96-18-4	123-Trichloropropane	5	U
13. 103-65-1	n-Propylbenzene	5	Ú
14. 95-49-8	2-Chlorotoluene	5	U
15. 108-67-8	135-Trimethylbenzene	5	U
16. 106-43-4	4-Chlorotoluene	5	Ū
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-lsopropyltoluene	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

SAMPLE NO.

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			292082.03
Lab Name: ECOTEST	LABS	Cont	ract:
Project No.:		Site: Local	tion: Group:
Matrix: (soil/water)	soil		Lab Sample ID: <u>292082.03</u>
Sample wt/vol:	1.0	(g/mL) <u>g</u>	Lab File ID: <u>1120919.D</u>
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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SAMPLE NO.

SAMPLE NO.

### VOLATILE ORGANICS ANALYSIS DATA SHEET

	•		292082.04
Lab Name: ECOTEST	LABS	Contrac	et:
Project No.:		Site: Locatio	n: Group:
Matrix: (soil/water)	soil		Lab Sample ID: <u>292082.04</u>
Sample wt/vol:	1.0	_(g/mL) <u>g</u>	Lab File ID: <u>1120920.D</u>
Level: (low/med)	low	-	Date Received: 1/8/09
% Solid:	na	<del></del>	Date Analyzed: <u>1/12/09</u>
GC Column:	DB-VRX	ID: <u>0.18</u> (mm)	Dilution Factor: 5
Soil Extract Volume:	na	(mL)	Soil Aliquot Volume: na (uL)

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

	(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

Lab Name: ECOTEST LABS

soil

1.0

low

na

DB-VRX

na

(mL)

Project No.:

Matrix: (soil/water)

Level: (low/med)

Soil Extract Volume:

Sample wt/vol:

% Solid:

GC Column:

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

292082.04 Contract: Site: Location: Group: Lab Sample ID: 292082.04 (g/mL) Lab File ID: 1120920.D <u>g</u>

	Date Received: <u>1/8/09</u>
	Date Analyzed: 1/12/09
ID: <u>0.18</u> (mm)	Dilution Factor: 5

Soil Aliquot Volume: na (uL)

ug/Kg

SAMPLE NO.

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

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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-lsopropyltoluene	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

	1A		
VOLATILE ORGANICS	ANALYSIS	DATA	SHEET

					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) <u>g</u>		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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SAMPLE NO.

					292082	2.05
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) <u>g</u>		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/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

SAMPLE NO.

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				292082.05
Lab Name: ECOTEST	LABS		Contract:	L
Project No.:		Site:	Location:	Group:
Matrix: (soil/water)	soil			Lab Sample ID: 292082.05
Sample wt/vol:	1.0	_(g/mL) <u>g</u>	-	Lab File ID: <u>1120921.D</u>
Level: (low/med)	low	_		Date Received: 1/8/09
% Solid:	na			Date Analyzed: <u>1/12/09</u>
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	υ
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-lsopropyltoluene	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	υ
30. 1634-04-4	ter.ButylMethylEther	5	U

SAMPLE NO.

					292082.05
Lab Name: ECOTEST L	ABS		Contract:		
Project No.:		Site:	Location:		Group:
Matrix: (soil/water)	soil	-		Lab Sample ID:	292082.05
Sample wt/vol:	1.0	(g/mL) <u>g</u>		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: <u>0.18</u> (i	nm)	Dilution Factor:	5
Soil Extract Volume:	na	_(mL)		Soil Aliquot Volume:	<u>na</u> (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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SAMPLE NO.

SAMPLE NO.

	VO	LATILE ORGANICS	ANALYSIS [	DATA SHEET	29208	32.06
Lab Name: ECOTES	LABS		Contract:		L <u></u>	
Project No.:	_	Site:	Location:		Group: _	
Matrix: (soil/water)	soil			Lab Sample ID:	292082.06	
Sample wt/vol:	1.0	_(g/mL) <u>g</u>	_	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	: <u>na</u>	(uL)

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

	(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> </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> </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> </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> </u>
30. 124-48-1	Chlorodibromomethane	5	<u> </u>

	VO	LATILE ORGANICS	ANALYSIS D	DATA SHEET	29208	32.06
Lab Name: ECOTEST	LABS		Contract:			I
Project No.:		Site:	_ Location:	<u></u>	Group: _	
Matrix: (soil/water)	soil			Lab Sample ID:	292082.06	
Sample wt/vol:	1.0	_(g/mL) <u>g</u>	<u>-</u>	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)

CAS Number	Compound Name	CONC.	Q
1, 106-93-4	1,2 Dibromoethane	5	U
2. 108-90-7	Chlorobenzene	5	<u> </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> </u>
7. 100-42-5	Styrene	5	U
8. 75-25-2	Bromoform	5	U
9. 98-82-8	Isopropylbenzene	5	<u> </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-lsopropyltoluene	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

(ug/L or ug/Kg) <u>ug/Kg</u>

SAMPLE NO.

SA	MP	LE	NO.

	vu			292082.06
Lab Name: ECOTEST	LABS	Cont	ract:	-
Project No.:		Site: Loca	tion:	Group:
Matrix: (soil/water)	soil		Lab Sample I	D: 292082.06
Sample wt/vol:	1.0	(g/mL)	Lab File I	D: 1120922.D
Level: (low/med)	low		Date Receive	ed: <u>1/8/09</u>
% Solid:	na	and a constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant of the constant	Date Analyze	ed: <u>1/12/09</u>
GC Column:	DB-VRX	ID:(mm)	Dilution Fact	or: <u>5</u>
Soil Extract Volume:	na	_ (mL)	Soil Aliquot Volum	ne: <u>na</u> (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> </u>
4. 67-64-1	Acetone	50	U
5. 78-93-3	Methyl Ethyl Ketone	50	U
6. 108-10-1	Methylisobutylketone	50	<u> </u>
7.75-45-6	Chlorodifluoromethane	5	U
8. 105-05-5	p Diethylbenzene	5	U
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SAMPLE NO.

## VOLATILE ORGANICS ANALYSIS DATA SHEET

	VO			292082.07
Lab Name: ECOTEST	LABS	Contrac	ct:	L
Project No.:		Site: Locatio	n:	Group:
Matrix: (soil/water)	soil	**	Lab Sample ID:	292082.07
Sample wt/vol:	1.0	(g/mL) <u>g</u>	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: <u>0.18</u> (mm)	Dilution Factor:	5
Soil Extract Volume:	na	_(mL)	Soil Aliquot Volume:	<u>na</u> (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> </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

	292082.07			
Lab Name: ECOTEST	LABS	Contrac	t:	
Project No.:		Site: Location	n:	Group:
Matrix: (soil/water)	soil		Lab Sample I	D: <u>292082.07</u>
Sample wt/vol:	1.0	_ (g/mL) _ <u>g</u>	Lab File I	D: <u>1120923.D</u>
Level: (low/med)	low		Date Receive	d: <u>1/8/09</u>
% Solid:	na	_	Date Analyze	d: <u>1/12/09</u>
GC Column:	DB-VRX	ID: <u>0.18</u> (mm)	Dilution Facto	or: <u>5</u>
Soil Extract Volume:	na	(mL)	Soil Aliquot Volum	e: <u>na</u> (uL)

**Concentration Units:** (ug/L or ug/Kg) ug/Kg SAMPLE NO.

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	υ
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

FORM I VOA

#### 1A VOLATILE ORGANICS ANALYSIS DATA SHEET

	VO	LATILE ORGANICS ANALT	SIS DATA SHEET	292082.07
Lab Name: <u>ECOTEST</u>	LABS	Con	tract:	
Project No.:		Site: Loca	ation:	Group:
Matrix: (soil/water)	soil	_	Lab Sample	D: 292082.07
Sample wt/vol:	1.0	(g/mL) <u>g</u>	Lab File	D: 1120923.D
Level: (low/med)	low	_	Date Recei	ved: <u>1/8/09</u>
% Solid:	na		Date Analy	zed: <u>1/12/09</u>
GC Column:	DB-VRX	ID: <u>0.18</u> (mm)	Dilution Fac	ctor: <u>5</u>
Soil Extract Volume:	na	(mL)	Soil Aliquot Volu	ime: <u>na</u> (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg SAMPLE NO.

CAS Number	Compound Name	CONC.	Q
1, 622-96-8	p-Ethyltoluene	5	U
2. 76-13-1	Freon 113	5	<u> </u>
3. 95-93-2	1245 Tetramethylbenz	5	<u> </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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FORM I VOA

## 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) <u>g</u>		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		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
<u>4. 74-83-9</u> 5. 75-00-3	Chloroethane	5	U
	Trichlorofluoromethane	5	U
6. 75-69-4	1,1 Dichloroethene	5	U
7. 75-35-4	Methylene Chloride	8	
8.75-09-2	t-1,2-Dichloroethene	5	U
9, 156-60-5	1,1 Dichloroethane	5	Ū
10. 75-34-3		5	U
11. 594-20-7	2,2-Dichloropropane c-1,2-Dichloroethene	5	
12. 156-59-2	C-1,2-Dichloroethene Bromochloromethane	5	U
13. 74-97-5	Chloroform	5	Ū
14. 67-66-3	111 Trichloroethane	5	U
15. 71-55-6	Carbon Tetrachloride	5	U
16. 56-23-5		5	Ū
17. 563-58-6	1,1-Dichloropropene	5	U
18. 71-43-2	Benzene 1,2 Dichloroethane	5	Ū
19. 107-06-2	Trichloroethene	5	Ū
20. 79-01-6	1.2 Dichloropropane	5	Ū
21. 78-87-5	Dibromomethane	5	Ū
22. 74-95-3	Bromodichloromethane	5	Ū
23. 75-27-4		<u> </u>	Ū
24. 10061-01-5	c-1,3Dichloropropene	5	1 Ū
25. 108-88-3	Toluene	5	<del>U</del>
26. 10061-02-6	t-1,3Dichloropropene	$-\frac{5}{5}$	
27. 79-00-5	112 Trichloroethane	99	<u> </u>
28. 127-18-4	Tetrachloroethene	5	<u> </u>
29. 142-28-9	1,3-Dichloropropane	$-\frac{3}{5}$	
30. 124-48-1	Chlorodibromomethane		

SAMPLE NO.

## VOLATILE ORGANICS ANALYSIS DATA SHEET

292082.08

Lab Name: ECOTEST	LABS		Contract:	
Project No.:		Site:	Location:	Group:
Matrix: (soil/water)	soil			Lab Sample ID: <u>292082.08</u>
Sample wt/vol:	1.0	- (g/mL) g		Lab File ID: <u>1120924.D</u>
Level: (low/med)	low			Date Received: 1/8/09
% Solid:	na			Date Analyzed: <u>1/12/09</u>
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-lsopropyltoluene	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

SAMPL	_E NO
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## VOLATILE ORGANICS ANALYSIS DATA SHEET

292082.08

Lab Name: ECOTEST	ABS	Co	ontract:
Project No.:		Site: Lo	cation: Group:
Matrix: (soil/water)	soil		Lab Sample ID: <u>292082.08</u>
•	1.0	- (g/mL) g	Lab File ID: <u>1120924.D</u>
Sample wt/vol:	low		Date Received: 1/8/09
Level: (low/med) % Solid:	na	<b></b>	Date Analyzed: 1/12/09
GC Column:	DB-VRX	– ID: <u>0.18</u> (mm	a) 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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SAMPLE NO.

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

2	292	20	82	.0	9

Lab Name: ECOTEST	LABS	C	Contract:			
Project No.:		Site:L	ocation:		Group:	
Matrix: (soil/water)	soil			Lab Sample ID:	292082.09	
Sample wt/vol:	1.0	(g/mL)		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: <u>0.18</u> (mr	n)	Dilution Factor:	5	
Soil Extract Volume:	na	_ (mL)		Soil Aliquot Volume:	na	(uL)

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

	(ug/L of ug/Kg)	ug/Ng	
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.

292082.09

Contract: Lab Name: ECOTEST LABS Group: Location: Site: Project No.: Lab Sample ID: 292082.09 soil Matrix: (soil/water) Lab File ID: 1120925.D (g/mL) 1.0 g Sample wt/vol: Date Received: 1/8/09 low Level: (low/med) Date Analyzed: 1/12/09 na % Solid: Dilution Factor: 5 ID: 0.18 (mm) DB-VRX GC Column: Soil Aliquot Volume: na (uL) (mL) na Soil Extract Volume:

Concentration Units:

	(ug/L or ug/Kg)	ug/Kg	
OAC Number	Compound Name	CONC.	Q
CAS Number	1,2 Dibromoethane	5	U
1. 106-93-4	Chlorobenzene	5	<u> </u>
2. 108-90-7	Ethyl Benzene	5	U
3. 100-41-4	1112Tetrachloroethane	5	U
4. 630-20-6	m + p Xylene	10	U
5.		5	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		U
18. 95-63-6	124-Trimethylbenzene	5	U
19. 135-98-8	sec-Butylbenzene	5	U
20, 99-87-6	p-lsopropyltoluene	5	<del> </del>
21. 541-73-1	1,3 Dichlorobenzene (v)	5	<del> </del>
22. 106-46-7	1,4 Dichlorobenzene (v)	5	Ū
23. 104-51-8	n-Butylbenzene	5	<del>  <u></u></del>
24. 95-50-1	1,2 Dichlorobenzene (v)	5	tū-
25. 96-12-8	Dibromochloropropane	5	t Ū
26. 120-82-1	124-Trichlorobenzene (v)	5	$+$ $\overline{\upsilon}$
27.87-68-3	Hexachlorobutadiene	5	+
28. 91-20-3	Naphthalene(v)	5	
29. 87-61-6	123-Trichlorobenzene	5	
30. 1634-04-4	ter.ButyIMethylEther	<u> </u>	

## 1A VOLATILE ORGANICS ANALYSIS DATA SHEET

					2920	82.09
Lab Name: ECOTES	T LABS		Contract:		[	
Project No.:	mites	Site:I	_ocation:	······································	Group:	
Matrix: (soil/water)	soil			Lab Sample ID:	•	
Sample wt/vol:	1.0	(g/mL) <u>g</u>		Lab File ID:		
Level: (low/med)	low	_		Date Received:		****
% Solid:	na	_		Date Analyzed:	1/12/09	
GC Column:	DB-VRX	ID: <u>0.18</u> (mr	n)	Dilution Factor:	······	
Soil Extract Volume:	па	_ (mL)	s	oil Aliquot Volume:	na	(uL)

Concentration Units:

(ug/L	or	ug/Kg)	ug/Kg
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CAS Number	Compound Name	CONC.	Q
1. 622-96-8	p-Ethyltoluene	5	U
2. 76-13-1	Freon 113	5	Ū
3. 95-93-2	1245 Tetramethylbenz	5	Ū
4. 67-64-1	Acetone	50	Ū
5. 78-93-3	Methyl Ethyl Ketone	50	Ū
6. 108-10-1	Methylisobutylketone	50	Ū
7. 75-45-6	Chlorodifluoromethane	5	Ū
8. 105-05-5	p Diethylbenzene	5	Ū
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SAMPLE NO.

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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.

	VOLATILE METH	4A OD BLANK SUMMAF	łΥ	SAMPLE NO.	
Lab Name: Ecotest Labs, Inc.					
Project No.:	Site:	Location:		Group:	
Lab File ID: 01120913.D			Lab Sample ID		
Date Analyzed: 1/12/09					
GC Column: DB-VRX	ID:0.18	(mm)	Time Analyzed:		
Instrument ID: GCMSV4		. (11811)	Heated Purge:	(Y/N) <u>Y</u>	
	NK APPLIES TO THE FO	OLLOWING SAMPLE			
· · · · · · · · · · · · · · · · · · ·	LAB				
SAMPLE NO	SAMPLE ID		TIME ANALYZED		
01 290082.01 1g	Sample	01120917.D	16:41		
02 290082.02 1g	Sample	01120918.D	17:03		
03 <u>290082.03</u> 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 +20	OMS Matrix Spike	01120926 D	19:59		
11 290082.09 1g +20	MSD Matrix Spike Dupl	licate 01120927.D	20:21		
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COMMENTS:

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			erenen billet (Tradition, Barry);	te danak seri dari bertangan bertakan dari bertakan bertakan bertakan bertakan bertakan bertakan bertakan berta		
				n Report	(QT Reviewed)	)
мсц	a File : C:\MSDCHEM\1\DATA\03 On : 12 Jan 2009 3:13 p ple : soil blank 1g	109\011 pm	209\01	o	Vial: 13 perator:	
Misc	: : : : : : : : : : : : : : : : : : :				ist : GCMSV4	1
MS 1 Quar	Integration Params: events.e ht Time: Jan 12 15:26:54 2009	)	O		ltiplr: 1.00	00 000
Tit]	t Method : C:\MSDCHEM\1\METH .e :	IODS \VS	010909	.M (Chemsta	ntion Integrate	)r)
кеsp	Update : Mon Jan 12 10:09: Donse via : Initial Calibrati Nacq Meth : VOAN182	05 2009 .on	)			
Int	ernal Standards	R.T.	QION	Response	Conc Units De	v(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 ) 1,4-dichlorobenzene-d4	6.21	82		50.00 ug/L	0.00
55	/ */*-aronitoropenzene-04	8.13	152	1943081	50.00 ug/L	0.00
Sys	tem Monitoring Compounds					
27	) 1,2-dichloroethane-d4	3.39	102	296663	49.86 ug/L	0.00
37 41	) toluene-d8	5.18		5065336	48.32 ug/L	0.00
<b>.</b> ≭⊤	) 4-bromofluorobenzene	7.14	174	1343471	42.75 ug/L	0.00
Tar	get Compounds					<b>-</b>
2	) dichlorodifluoromethane	0.00	85	0	Q' N.D.	value
3	) chlorodifluoromethane	0.00	51	Ő	N.D.	
4 5	) chloromethane ) vinyl chloride	0.00		0	N.D.	
6	) bromomethane	0.00		0	N.D.	
7	) chloroethane	1.48		6681m 0	0.37 ug/L	
8	) trichlorofluoromethane	0.00		0	N.D. N.D.	
9	) freon	2.10	151	6506m	0.27 ug/L	
	) acetone	0.00	58	0	N.D.	
12	) 1,1-dichloroethene ) methylene chloride	0.00	96	0	N.D.	
13	) carbon disulfide	2.08	84 75	50967 10493m	Below Cal	90
14	<pre>tert-butylmethylether</pre>	2.20	76 73	10483m 0	0.11 ug/L N.D.	
15	trans-1,2-dichloroethene	0.00	96	0	N.D. N.D.	
16	vinyl acetate	0.00	43	0 0	N.D.	
18	1,1-dichloroethane methyl ethyl ketone	0.00	63	0	N.D.	
19	2,2-dichloropropane	0.00	72 77	0	N.D.	
20)	cis-1,2-dichloroethene	0.00	96	0 0	N.D.	
21)	chloroform	3.03	83	23546	N.D. 0.43 ug/L	92
22)	bromochloromethane	0.00	128	0	N.D.	26
- 23) - 25)	1,1,1-trichloroethane 1,1-dichloropropene	0.00	97	0	N.D.	
261	Carbon tetrachloride	0.00	75	0	N.D.	
28)	1,2-dichloroethane	$0.00 \\ 3.40$	$\frac{119}{62}$	0	N.D.	
29)	benzene	0.00	0∠ 78	2790 0	N.D. N.D.	
30)	trichloroethene	0.00	95	ő	N.D.	
31)	1,2-dichloropropane	0.00	63	Ō	N.D.	
-∋∠) -331	bromodichloromethane dibromomethane	4.22	83	9846	0.25 ug/L #	24
34)	2-chloroethylvinylether	0.00	93	0	N.D.	
35)	4-methy1-2-pentanone	0.00	63 43	0	N.D.	
36)	cis-1,3-dichloropropene	0.00	43 75	0	N.D. N.D.	
38)	toluene	5.23	91	22452m	0.18 ug/L	
39) 40)	trans-1,3-dichloropropene	0.00	75	0	N.D.	
431	1,1,2-trichloroethane 2-hexanone	0.00	83	0	N.D.	
44)	1,3-dichloropropane	0.00 5.23	43 76	0	N.D.	
45)	tetrachloroethene	0.00	166	3842 0	N.D.	
46)	dibromochloromethane	5.43	129	5573m	N.D. 0.21 ug/L	
47)	1,2-dibromoethane	0.00	107	0	N.D.	
	chlorobenzene	0.00	112	0	N.D.	
	1,1,1,2-tetrachloroethane ethylbenzene	0.00	131	0	N.D.	
	m+p xylene	6.39 6.56	91 106	2956 6434m	N.D.	
52)	o-xylene	6.84	106	6434m 3068	0.13 ug/l N.D.	
53)	styrene	6.80	104	1426	M D	
				· ···		

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Data File : C:\MSDCHEM\1\DATA\0109\011209\01120913.D Vial: 13 Acq On : 12 Jan 2009 3:13 pm Operator: soil blank 1g Sample 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

Quantitation Report (QT Reviewed)

	Compound	R.T.			Conc Unit	<u>O</u> value
	bromoform	0.00		0	N.D.	······································
56)	isopropylbenzene	0.00	105	0	N.D.	
57)	1,1,2,2-tetrachloroethane	0.00	83	0	N.D.	
58)		0.00		0	N.D.	
59)	n-propylbenzene	0.00	91	0	N.D.	
		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		126	0	N.D.	
64)	4-chlorotoluene	0.00	126	0	N.D.	
	tert-butylbenzene		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)		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.	
		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.	
	hexachlorobutadiene	0.00	225	0	N.D.	
	naphthalene	0.00	128	0	N.D.	
80)	1,2,3-trichlorobenzene	0.00	180	0	N.D.	

Q	uanti	tation	Report	(QT Re	viewed	)
Data File : C:\MSDCHEM\1\DATA\0109 Acq On : 12 Jan 2009 3:13 pm Sample : soil blank 1g Misc : MS Integration Params: events.e Quant Time: Jan 13 11:25:10 2009 Quant Method : C:\MSDCHEM\1\METHODS		Qu	Og Ir Mu ant Result	erator: st : ltiplr: s File:	GCMSV 1.00 VS010	909A.RES
Title : Last Update : Tue Jan 13 11:21:35 Response via : Initial Calibration DataAcq Meth : VOAN182					, oogi u	
Internal Standards	R.T.	QIon	Response	Conc Ui	nits D	ev(Min)
<ol> <li>3) 1,4-difluorobenzene</li> <li>7) chlorobenzene-d5</li> </ol>	3.93 6.21	114 82	2956878 4339802 1905633 1943081	50.00	ug/L ug/L	0.00
5) toluene-d8		98	295953 5065336 1343471	49.70 48.96 46.09	ug/L	0.00
Target Compounds 2) methylene chloride	2.08	84	52112m	Below		Qvalue

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01120	2009											s,4ber	aasdaa	නාක්රවාන්	Rid					3.50	12.
109/( pm	HODS 1 05 1																	шюјо.	chior	3.00	.Tan 14
1\DATA\0 3:13 19 19 events.e 7 2009	EM/1/METHOD 12 10:09:05 Calibration																			2.50	T. Dow
M/1/D 09 k 19 : eve	Cal Cal																əbi	llusib nc I	treor Carbo	2.00	3
<pre>ca File : C:\MSDCHEM\1\DATA\0109\011209\01120 f On : 12 Jan 2009 3:13 pm nple : soil blank 1g sc : Integration Params: events.e int Time: Jan 12 15:27 2009 Cuan</pre>	c:\MSDCHEM\1\METHODS\VS010909.M Mon Jan 12 10:09:05 2009 Initial Calibration																əui	ലുഡെവ	nord	1.50	9.M
C:/MS 12 Ja soil soil Jan 1	** ** ** **							1719 5.200 ar an 12		an an an an an an an an an an an an an a									······································	1.00	WS010909.W
ile : ( egratio	update																			0.50	
Data File Acq On Sample Misc Quant Time	Method Title Last Upde Response Undance 000000	00 00	00	00	00	000	00	00	00	00	00	00	00	00	00	00	00	00	00	0	01120913.D
Data Acq Ol Sample Misc MS In Quant	Metho Title Last Respo Abundance 400000	3800000 3600000	340000	320000	300000	280000	260000	240000	220000	200000	180000	160000	1400000	120000	1000000	80000	60000	0 ∰a	ලි ගුණි319	Time>	01120

age 3

A Salar A Contraction

## Samples Quant Reports and Chromatograms Spectra for positive Hits

		Quanti	tatior	n Report	(QT Reviewed)	
Acg (	File : C:\MSDCHEM\1\DATA\01 Dn : 12 Jan 2009 4:41 g		09\011		Vial: 17 perator:	
Misc	le : 290082.01 1g			In	st : GCMSV4	
MS II Quant	ntegration Params: events.e t Time: Jan 12 17:39:33 2009	)	Qu		s File: VS0109	09.RE
Quant	t Method : C:\MSDCHEM\1\METH	IODS\VS0	10909.	M (Chemsta	tion Integrato	r)
LICT6	e : Update : Mon Jan 12 10:09:				2	•
Respo	onse via : Initial Calibrati Acq Meth : VOAN182	on				
Inte	ernal Standards	R.T.	QIon	Response	Conc Units De	v(Min
1)	) pentafluorobenzene	3.39		3432675	50.00 ug/L	0.0
42)	1,4-difluorobenzene chlorobenzene-d5	3.93 6.22	114 82	4809348 2075778	50.00 ug/L 50.00 ug/L	0.0
55)	1,4-dichlorobenzene-d4	8.14				0.0
	em Monitoring Compounds					
	1,2-dichloroethane-d4	3.39	102		50.42 ug/L	0.0
	toluene-d8 4-bromofluorobenzene	5.18	98		48.43 ug/L	0.00
		7.14	174	1517545	43.58 ug/L	0.0
Targ	jet Compounds dichlorodifluoromethane			<b></b>		value
	chlorodifluoromethane	$1.19 \\ 0.00$	85 51	7804m 0	0.20 ug/L N.D.	
4)	chloromethane	0.00	50	0	N.D.	
5)	vinyl chloride	0.00	62	0	N.D.	
	bromomethane	1.48	96	6077m	0.29 ug/L	
	chloroethane trichlorofluoromethane	0.00	64	0	N.D.	
	freon	2.11	$\begin{array}{c} 101 \\ 151 \end{array}$	0 5608m	N.D. 0.20 ug/L	
	acetone	1.81	58	11953m	5.09 ug/L	
	1,1-dichloroethene	0.00	96	0	N.D.	
	methylene chloride	2.09	84	68788	Below Cal	9(
14)	carbon disulfide tert-butylmethylether	2.20	76 73	13955m	0.13 ug/L	
15)	trans-1,2-dichloroethene	0.00	96	0	N.D. N.D.	
16)	vinyl acetate	0.00	43	0	N.D.	
17)	1,1-dichloroethane	0.00	63	0	N.D.	
	methyl ethyl ketone 2,2-dichloropropane	0.00	72 77	0	N.D.	
20)	cis-1,2-dichloroethene	0.00	96	0	N.D. N.D.	
21)	chloroform	3.03	83	26778	0.42 ug/L	84
	bromochloromethane	0.00	128	0	N.D.	
	1,1,1-trichloroethane 1,1-dichloropropene	0.00	97	0	N.D.	
	carbon tetrachloride	0.00	75 119	0 0	N.D. N.D.	
	1,2-dichloroethane	3.38	62	20127	0.51 ug/L #	1
	benzene	0.00	78	0	N.D.	
30)	trichloroethene	0.00	95	0	N.D.	
	1,2-dichloropropane bromodichloromethane	$0.00 \\ 4.22$	63 83	0 7940	N.D.	~ •
	dibromomethane	0.00	93	,940	0.18 ug/L # N.D.	24
	2-chloroethylvinylether	0.00	63	Ő	N.D.	
	4-methyl-2-pentanone	0.00	43	0	N.D.	
	cís-1,3-dichloropropene toluene	0.00 5.22	75	0	N.D.	
	trans-1,3-dichloropropene	0.00	91 75	22559 0	0.17 ug/L # N.D.	23
40)	1,1,2-trichloroethane	0.00	83	õ	N.D.	
	2-hexanone	0.00	43	0	N.D.	
	1,3-dichloropropane tetrachloroethene	5.20	76	2617	N.D.	
	dibromochloromethane	5.75 5.44	166 129	54091 6417m	1.78 ug/L 0.22 ug/L	89
	1,2-dibromoethane	0.00	107	0417m	0.22 ug/L N.D.	
48)	chlorobenzene	0.00	112	õ	N.D.	
	1,1,1,2-tetrachloroethane	0.00	131	0	N.D.	
	ethylbenzene m+p xylene	0.00	91	0	N.D.	
	o-xylene	0.00	$\begin{array}{c} 106 \\ 106 \end{array}$	0 0	N.D. N.D.	
,	styrene	0.00	104	0	N.D.	

GCMSV4

Quantitation Report (QT Reviewed) Data File : C:\MSDCHEM\1\DATA\0109\011209\01120917.D Vial: 17 : 12 Jan 2009 : 290082.01 1g Acq On 4:41 pm Operator: Sample 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 Title DataAcq Meth : VOAN182

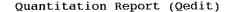
	Compound	R.T.	QION	Response	Conc Unit	Qvalue
645	h thank a farm	~ ~ ~				
56)	isopropylbenzene	0.00	105	0	N.D.	
	1,1,2,2-tetrachloroethane				N.D.	
58)	1,2,3-trichloropropane	0.00	75	0	N.D.	
59)	n-propylbenzene	0.00	91	0	N.D.	
	bromobenzene	0.00	156	0	N.D.	
61)	p-ethyltoluene	0.00	105	0	N.D.	
62)	1,3,5-trimethylbenzene	0.00	120		N.D.	
63)	2-chlorotoluene	0.00		0	N.D.	
64)	4-chlorotoluene tert-butylbenzene	0.00	126	0	N.D.	
				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.	
	1,2,4,5-tetramethylbenzene		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.	
	naphthalene		128	0	N.D.	
80)	1,2,3-trichlorobenzene	0.00	180	0	N.D.	

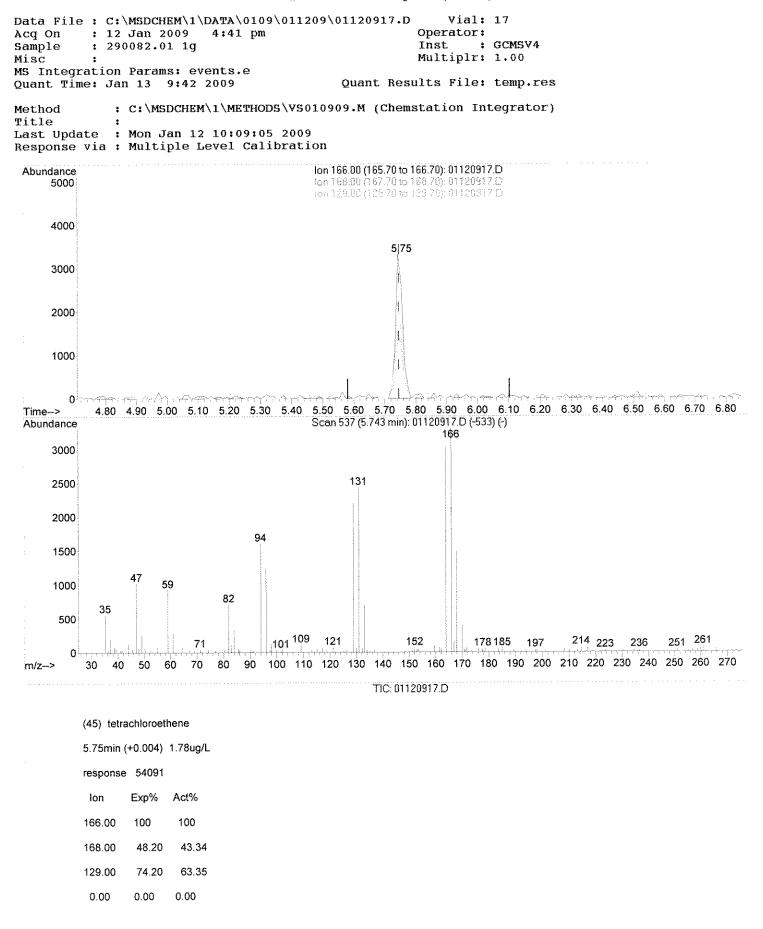
Q	uanti	tation	Report	(QT Re	viewed	l)
Data File : C:\MSDCHEM\1\DATA\0109 Acq On : 12 Jan 2009 4:41 pm	\0112	09\011		Vial: erator:	17	
Sample : 290082.01 1g			Iñ	st :	GCMSV	4
Misc :			Mu	ltiplr:	1.00	
MS Integration Params: events.e				<b>.</b>		
Ouant Time: Jan 13 11:25:14 2009		Ou	ant Result	s File:	VS010	909A.RES
Quant Method : C:\MSDCHEM\1\METHOD	s\vso:	L0909A	.M (Chemst	ation I	ntegra	tor)
Title :						
Last Update : Tue Jan 13 11:21:35						
Response via : Initial Calibration						
DataAcq Meth : VOAN182						
Internal Standards	p m	OTon	Response	Conc D	nite T	ev(Min)
Incernal Scandarus			кезронас			
1) pentafluorobenzene	3.39	168	3432675		1	
			3434013	50.00	ug/L	0.00
						0.00 0.00
3) 1,4-difluorobenzene	3.93	114		50.00	ug/L	
<ol> <li>3) 1,4-difluorobenzene</li> <li>7) chlorobenzene-d5</li> </ol>	3.93 6.22	114 82	4809348	50.00 50.00	ug/L	0.00
3) 1,4-difluorobenzene	3.93 6.22	114 82	4809348 2075778	50.00 50.00	ug/L ug/L	0.00
<ol> <li>3) 1,4-difluorobenzene</li> <li>7) chlorobenzene-d5</li> </ol>	3.93 6.22	114 82	4809348 2075778	50.00 50.00	ug/L ug/L	0.00 0.00 0.00
<ol> <li>1,4-difluorobenzene</li> <li>chlorobenzene-d5</li> <li>1,4-dichlorobenzene-d4</li> </ol>	3.93 6.22 8.14	114 82 152	4809348 2075778	50.00 50.00 50.00 50.38	ug/L ug/L ug/L ug/L	0.00 0.00 0.00
<ul> <li>3) 1,4-difluorobenzene</li> <li>7) chlorobenzene-d5</li> <li>8) 1,4-dichlorobenzene-d4</li> <li>System Monitoring Compounds</li> </ul>	3.93 6.22 8.14 3.39	114 82 152 102	4809348 2075778 2158769	50.00 50.00 50.00 50.38	ug/L ug/L ug/L	0.00 0.00 0.00
<ul> <li>3) 1,4-difluorobenzene</li> <li>7) chlorobenzene-d5</li> <li>8) 1,4-dichlorobenzene-d4</li> <li>System Monitoring Compounds</li> <li>4) 1,2-dichloroethane-d4</li> </ul>	3.93 6.22 8.14 3.39 5.18	114 82 152 102 98	4809348 2075778 2158769 332475	50.00 50.00 50.38 49.07	ug/L ug/L ug/L ug/L	0.00 0.00 0.00 0.00 0.00
<ul> <li>3) 1,4-difluorobenzene</li> <li>7) chlorobenzene-d5</li> <li>8) 1,4-dichlorobenzene-d4</li> <li>System Monitoring Compounds</li> <li>4) 1,2-dichloroethane-d4</li> <li>5) toluene-d8</li> </ul>	3.93 6.22 8.14 3.39 5.18	114 82 152 102 98	4809348 2075778 2158769 332475 5626381	50.00 50.00 50.38 49.07	ug/L ug/L ug/L ug/L	0.00 0.00 0.00 0.00 0.00 0.00
<ul> <li>3) 1,4-difluorobenzene</li> <li>7) chlorobenzene-d5</li> <li>8) 1,4-dichlorobenzene-d4</li> <li>System Monitoring Compounds</li> <li>4) 1,2-dichloroethane-d4</li> <li>5) toluene-d8</li> </ul>	3.93 6.22 8.14 3.39 5.18	114 82 152 102 98	4809348 2075778 2158769 332475 5626381	50.00 50.00 50.38 49.07	ug/L ug/L ug/L ug/L ug/L	0.00 0.00 0.00 0.00 0.00

																50 10.00 10.50
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2													∳p-auazu	-dichiorobe	5°L	0 8.50
DUNDTADY	ŝ		- - - -													7.50 8.00
ज ज ज	17 GCMSV4 1.00 VS010909.RES	itor)	UŽ.D										s'əuəzu	adorouliom	01d-4	00,7,00
770077	** ** ** ** **	Integrator	TÍC: 01120917.D										ςp	eneznedon	oldo	6.00 6.50 1V4
	vial: Operator: Inst Multiplr: Its File:	ation	:												tetrachioroe	5.50 6.0 GCMSV4
north sector and a	a	(Chemstation												0b oggildt		4.50 5.00 2.009
	011209 Quant	M. 9(												anarthamor	bromotichic	į
67 14	209\0	0109(	י ג סז										əuəzi	-difluorober	₽'₽	50 4.00 13:18:10
经计额 化温带 医生白白素 计计算机 化	A\0109\011209\01120917.D 41 pm s.e 9 Quant Res	27	12 10:09:05 2009 Calibration										ad da antina	1000 (1999) 1990 (1999)	chloroform 1,24	3.00 3 Jan 14
计一时 医外部的 化合物槽 化合物素 法专门	<pre>\1\DAT 9 4:5 19 4:5 19 event event 12 200</pre>	EM\1\	jal 12 10 ial Calib												୫୯୦୧୦୦୫ ଅଟେନ ସେଦିବୟ	2.00 2. We
	Data File : C:\MSDCHEM Acq On : 12 Jan 200 Sample : 290082.01 1 Misc : MS Integration Params: Quant Time: Jan 13 9:4		e : Mon Jan ia : Initial		110000	Arta	чччылылал	164264 (Antony USANA Anton	364 4742-11				અ	ane	bromoneth	0 1.00 1.50 VS010909.M
	Data File : Acq on : Sample : Misc : MS Integrat Quant Time:	Ţ.	Last Update Response via undance													 
	Data File Acg On Sample Misc Misc Quant Tim	Method Title	Last Upde Response Abundance	1.2e+07	1.1e+07	1e+07	000006	800000	700000	600000	500000	400000	300000	200000	00 00 Page 324	Time> 0 0

# Page 3

11.00 11.50 12.00





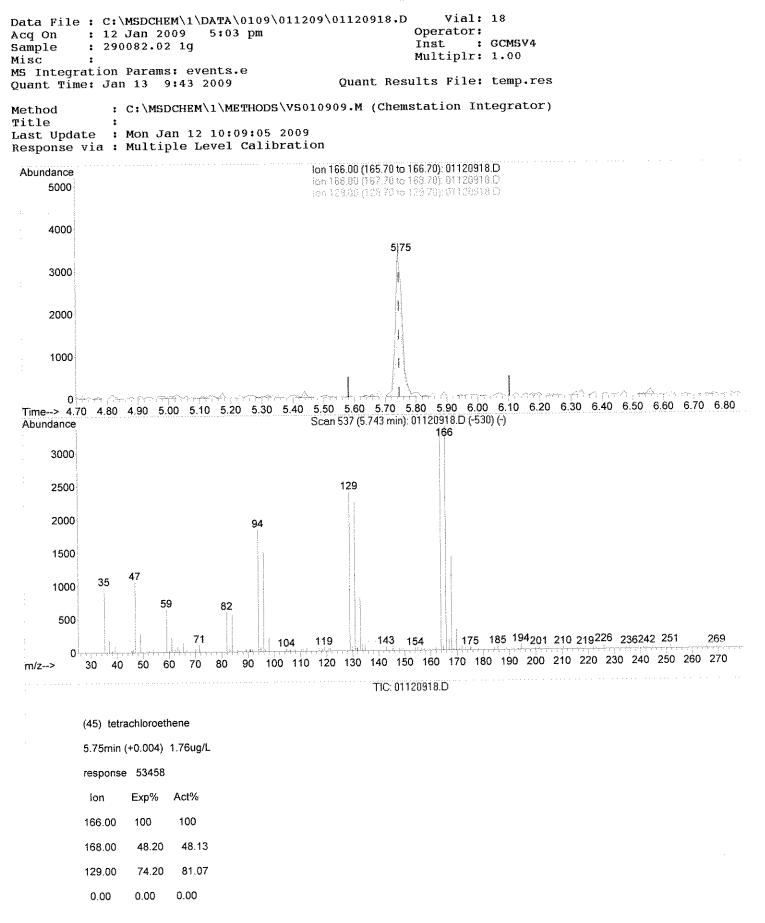
Acq On : 12 Jan 2009 5:03 pm Sample : 290082.02 1g			In	erator: st : GCMSV	4
fisc : fs Integration Params: events.e			Mu	ltiplr: 1.00	
Quant Time: Jan 12 17:39:46 2009		Qu	ant Result	s File: VS010	909.RES
<pre>Quant Method : C:\MSDCHEM\1\METHOT 'itle :</pre>	os\vso:	10909.	M (Chemsta	tion Integrat	or)
ast Update : Mon Jan 12 10:09:09					
Response via : Initial Calibration DataAcq Meth : VOAN182	1				
Internal Standards		QIon	Response	Conc Units D	ev(Min)
1) pentafluorobenzene	3.39	168	3288578	50.00 ug/L	
<ul><li>24) 1,4-difluorobenzene</li><li>42) chlorobenzene-d5</li></ul>	3.93	114	4703680 2068379	50.00 ug/L 50.00 ug/L	0.00
42) chlorobenzene-d5 55) 1,4-dichlorobenzene-d4	8.14		2008379	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		10512m	0.27 ug/L	
<ul><li>3) chlorodifluoromethane</li><li>4) chloromethane</li></ul>	0.00	51 50	0 0	N.D. N.D.	
5) vinyl chloride	0.00		0	N.D.	
6) bromomethane	0.00		0	N.D.	
7) chloroethane	0.00	64	0	N.D.	
8) trichlorofluoromethane	0.00		0	N.D.	
9) freon	0.00		0 10450	N.D. 4.64 ug/L	90
10) acetone 11) 1,1-dichloroethene	0.00		10450	4.04 dg/L N.D.	20
12) methylene chloride	2.09		58165	Below Cal	92
13) carbon disulfide	0.00	76	0	N.D.	
14) tert-butylmethylether	0.00		0	N.D.	
15) trans-1,2-dichloroethene	0.00		0	N.D. N.D.	
16) vinyl acetate 17) 1,1-dichloroethane	0.00		0	N.D.	
18) methyl ethyl ketone	0.00		0	N.D.	
19) 2,2-dichloropropane	0.00		0	N.D.	
20) cis-1,2-dichloroethene	0.00		0	N.D.	0.4
21) chloroform	3.03	83 128	26713 0	0.44 ug/L N.D.	94
<pre>22) bromochloromethane 23) 1,1,1-trichloroethane</pre>	0.00	97	ő	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		924	N.D.	
29) benzene 30) trichloroethene	0.00		0	N.D. N.D.	
31) 1,2-dichloropropane	0.00		0	N.D.	
32) bromodichloromethane	0.00		0	N.D.	
33) dibromomethane	0.00		0	N.D.	
34) 2-chloroethylvinylether	0.00		0	N.D.	
35) 4-methyl-2-pentanone 36) cis-1,3-dichloropropene	0.00		0	N.D. N.D.	
38) toluene	5.23		25211	0.19 ug/L	# 23
39) trans-1,3-dichloropropene	0.00	75	0	N.D.	
40) 1,1,2-trichloroethane	0.00		0	N.D.	
43) 2-hexanone	0.00		0 2413	N.D. N.D.	
44) 1,3-dichloropropane 45) tetrachloroethene	5.27		2413 53458	1.76 ug/L	95
46) dibromochloromethane	0.00		0	N.D.	3.4
47) 1,2-dibromoethane	0.00		0	N.D.	
48) chlorobenzene	0.00		0	N.D.	
49) 1,1,1,2-tetrachloroethane	0.00		0	N.D.	
50) ethylbenzene	0.00		0	N.D. N.D.	
51) m+p xylene 52) o-xylene	0.00		0	N.D.	
was from an I so water		104	Ő	N.D.	

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120918.D Vial: 18 Acq On : 12 Jan 2009 5:03 pm Sample : 290082.02 1g Operator: Inst : GCMSV4 Multiplr: 1.00 Misc : MS Integration Params: events.e Quant Results File: VS010909.RES Quant Time: Jan 12 17:39:46 2009 Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator) Title : Last Update : Mon Jan 12 10:09:05 2009 Response via : Initial Calibration Title DataAcq Meth : VOAN182

	Compound		QIon	Response	Conc Unit	Qvalue
	bromoform		173	0	N.D.	
	isopropylbenzene			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		
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)		0.00		0	N.D.	
65)	tert-butylbenzene	0.00	134	0	N.D.	
66)	1,2,4-trimethylbenzene	0.00	105	0	N.D.	
	sec-butylbenzene			0	N.D.	
68)	4-isopropyltoluene	0.00	119	0	N.D.	
69 j		0.00		0	N.D.	
	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.	
	1,2-dibromo-3-chloropropan	0.00		0	N.D.	
	1,2,4-trichlorobenzene	0.00	180	0	N.D.	
78)	hexachlorobutadiene	0.00	225	0	N.D.	
		0.00	128	0	N.D.	
80)	1,2,3-trichlorobenzene	0.00	180	0	N.D.	

٥	uantit	tation	Report	(QT Re	viewed	1)
Data File : C:\MSDCHEM\1\DATA\0109	\0112(	09\011			18	
Acq On : 12 Jan 2009 5:03 pm				perator: nst :	~~~	7.8
Sample : 290082.02 1g				ultiplr:		/ 4
Misc : MG Tatagration Demonds Ovents 0			1,1	arerbur.	T + 0.0	
MS Integration Params: events.e Quant Time: Jan 13 11:25:15 2009		Ou	ant Resul	ts File:	VS01(	909A.RES
Quant Time: Dan 15 11.25.15 2005		24	course and so a			
Quant Method : C:\MSDCHEM\1\METHOD	s\vso:	10909A	.M (Chems	tation I	ntegra	ator)
Title :						
Last Update : Tue Jan 13 11:21:35	2009					
Response via : Initial Calibration	i					
DataAcq Meth : VOAN182						
Internal Standards	R.T.	QION	Response	Conc U	nits I	Dev(Min)
1) pentafluorobenzene	3,39	168	3288578	50.00	ua/L	0.00
3) 1,4-difluorobenzene	3.93	114	4703680			0.00
7) chlorobenzene-d5	6.22	82				0.00
8) 1,4-dichlorobenzene-d4		152			ug/L	
•) 1)					-	
System Monitoring Compounds						
4) 1,2-dichloroethane-d4	3.39	102	331217		ug/L	
5) toluene-d8		98				
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
a) morny rome on row						





ç	Quantit	ation	Report	(QT Reviewe	d )
Data File : C:\MSDCHEM\1\DATA\0109 Acq On : 12 Jan 2009 5:25 pm	01120	9\011		Vial: 19 erator: st : GCMS	3 A
Sample : 290082.03 1g Misc :				ltiplr: 1.00	4 <del>4</del>
MS Integration Params: events.e Quant Time: Jan 12 17:39:59 2009		Qu	ant Result	s File: VS01	0909.RES
Quant Method : C:\MSDCHEM\1\METHON Fitle :	)S/VS01	0909+1	M (Chemsta	tion Integra	tor)
Last Update : Mon Jan 12 10:09:09	5 2009				
Response via : Initial Calibration DataAcq Meth : VOAN182	1				
Internal Standards	R.T.	QION	Response	Conc Units	Dev(Min)
1) pentafluorobenzene	3.39	168	3176999	50.00 ug/L	
24) 1,4-difluorobenzene	3.93	114 82		50.00 ug/L 50.00 ug/L	
42) chlorobenzene-d5 55) 1,4-dichlorobenzene-d4	8.14	152		50.00 ug/L	
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	
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 0	N.D. N.D.	
4) chloromethane 5) vinyl chloride	0.00	50 62	0	N.D.	
6) bromomethane	0.00	96	ō	N.D.	
7) chloroethane	0.00	64	0	N.D.	
<ol> <li>trichlorofluoromethane</li> </ol>	0.00	101	0	N.D.	
9) freon	$2.11 \\ 1.81$	151 58	6099m 8699	0.24 ug/L 4.00 ug/L	
10) acetone 11) 1,1-dichloroethene	0.00	96	0	N.D.	
12) methylene chloride	2.08	84	57529	Below Cal	# 8
13) carbon disulfide	2.20	76	10679m	0.10 ug/L	
14) tert-butylmethylether	0.00	73	0	N.D. N.D.	
15) trans-1,2-dichloroethene 16) vinyl acetate	0.00	96 43	0	N.D.	
17) 1,1-dichloroethane	0.00	63	Ō	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 21) chloroform	0.00	96 83	0 22571	N.D. 0.39 ug/L	# 1
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. N.D.	
26) carbon tetrachloride	0.00 3.41	$\frac{119}{62}$	0 5096m	0.13 ug/L	ł
28) 1,2-dichloroethane 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) bromodíchloromethane 33) dibromomethane	0.00	83 93	0	N.D. N.D.	
33) dibromomethane 34) 2-chloroethylvinylether	0.00	63	õ	N.D.	
35) 4-methyl-2-pentanone	0.00	43	0	N.D.	
36) cis-1,3-dichloropropene	0.00	75	0	N.D.	0
38) toluene	5.22	91 75	15446 0	0.12 ug/L N.D.	. 8
<pre>39) trans-1,3-dichloropropene 40) 1,1,2-trichloroethane</pre>	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	$\frac{166}{129}$	0 5069m	N.D. 0.18 ug/L	
<pre>46) dibromochloromethane 47) 1,2-dibromoethane</pre>	5.44	129	5009m	N.D.	
48) chlorobenzene	0.00	112	Õ	N.D.	
49) 1,1,1,2-tetrachloroethane	0.00	131	0	N.D.	
50) ethylbenzene	0.00	91	0 m € 0 0 3 m	N.D. 0 12 ug/l	
51) m+p xylene 52) o-xylene	6.54 6.95	$\begin{array}{c} 106 \\ 106 \end{array}$	6003m 2398	0.12 ug/l N.D.	

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120919.D Vial: 19 Acq On : 12 Jan 2009 5:25 pm Sample : 290082.03 1g Misc : Operator: Inst : GCMSV4 Multiplr: 1.00 Mísc MS Integration Params: events.e Quant Results File: VS010909.RES Quant Time: Jan 12 17:39:59 2009 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			Response	Conc Unit	Qvalue
54) bromoform	0.00	173		N.D.	
56) isopropylbenzene	0.00	105	0	N.D.	
57) 1,1,2,2-tetrachloroetha	ine 0.00	83	0		
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-hutvlbenzene	0.00	105	U	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-tetramethylben:	zene 0.00	119	0	N.D.	
76) 1,2-dibromo-3-chloropro	opan 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	N.D.	

Data File : C:\MSDCHEM\1\DATA\0109 Acq On : 12 Jan 2009 5:25 pm Sample : 290082.03 1g Misc : MS Integration Params: events.e Quant Time: Jan 13 11:25:16 2009		Qu	Ope In: Mu ant Result:	ltiplr: s File:	GCMSV4 1.00 VS0109	09A.RES
Quant Method : C:\MSDCHEM\1\METHOD	\$\VS01	L0909A	.M (Chemst	ation In	tegrat	or)
Title :	2000					
Last Update : Tue Jan 13 11:21:35	2009					
Response via : Initial Calibration DataAcq Meth : VOAN182						
Dacaned Meen : Connect						
Internal Standards	R.T.	QION	Response	Conc Un	nits De	ev(M1n)
1) pentafluorobenzene	3.39	168	3176999		ug/L	0.00
3) 1,4-difluorobenzene	3.93	114	4603526	50.00	ug/L	
7) chlorobenzene-d5	6.22	82	1991311	50.00	ug/L	
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		0.00
5) toluene-d8	5.18	98	5333856		ug/L	
6) 4-bromofluorobenzene	7.14	174	1428978	46.21	ug/L	0.00
Target Compounds					Ç	<u>)</u> value
2) methylene chloride	2.08	84	58195m	Below	Cal	

													11.50 12.00
													10.50 11.00
													9.50 10.00
												447.	6.00
									ţţ	b-ənəznədonoldoji	P-þʻl	ee 1878/7777777777777777777777777777777777	8.00 8.50
	RES									s'əuəzuədo	nouflomord-A		7.00 7.50
19 GCMSV4 1.00	VS010904	Integrator)	TIC: 01120919.D							gp-əuəzu	CU(010DeL	ənəiyx q+m	6.50
vial: ator: iplr:	File:									2.		ອເກວາວເກ່ວວະກາວາດເອັ	5.50 6.00
9.D Opera Inst Mult	Results	Chemstation								sʻgp-əuənjoj		O(neue	0 5.00
	Quant ]	$\sim$	:							əuəzuəqolo	មាក់ចំ-ង, ៖		4,00 4.50
011209/		VS0109	5007						s,≏b	eces (baixed (f) à) A	фф <u></u>	nentscrolnbib-5,1	0 3.50
A\0109\ 25 pm	s o a	METHODS	12 10:09:09 Calibration									CHIOLOLOLUU	2.50 3.00
C:\MSDCHEM\1\DATA\0109\011209\011209 12 Jan 2009 5:25 pm 290082.03 1g	Params: events. n 13 9:44 2009		Mon Jan 12 10 Initial Calib									sarbon disulfide frecti	1 00 1 50 2 00
** ** ** ** 0 1	Integration H Int Time: Jan	** **	ate : via :							~			0 50
Data F Acq On Sample Misc	MS Int Quant	Method Title	Last Upde Response Abundance	450000	400000	350000	300000	250000	200000	150000	100000	Page 334	, ( , , , , , , , , , , , , , , , , , ,

(QT Reviewed) Quantitation Report Data File : C:\MSDCHEM\1\DATA\0109\011209\01120920.D Vial: 20 Acq On : 12 Jan 2009 Sample : 290082.04 1g Operator: 5:47 pm : GCMSV4 Inst Multiplr: 1.00 : Misc MS Integration Params: events.e Quant Results File: VS010909.RES Quant Time: Jan 13 09:44:43 2009 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 R.T. QIon Response Conc Units Dev(Min) Internal Standards 1) pentafluorobenzene3.39168314001450.00ug/L24) 1,4-difluorobenzene3.93114446815850.00ug/L42) chlorobenzene-d56.2282197102350.00ug/L55) 1,4-dichlorobenzene-d48.13152201487750.00ug/L 0.00 0.00 0.00 0.00 System Monitoring Compounds 49.63 ug/L 0.00 27) 1,2-dichloroethane-d4 304057 3.39 102 0.00 5.18 98 48.05 ug/L 5186471 37) toluene-d8 42.98 ug/L 0.00 7.14 174 1390591 41) 4-bromofluorobenzene Ovalue Target Compounds 0 N.D. 2) dichlorodifluoromethane 0.00 85 0.00 51 50 62 0 96 0 64 0 101 0 151 0 9871n 0 51 0 N.D. 3) chlorodifluoromethane N.D. 0.00 4) chloromethane N.D. 5) vinyl chloride 0.00 N.D. 0.00 6) bromomethane N.D. 0.00 7) chloroethane N.D. 0.00 8) trichlorofluoromethane N.D. 0,00 9) freon 4.59 ug/L 10) acetone 1.82 N.D. 11) 1,1-dichloroethene 0.00 96 0 84 59322 76 12081m 73 0 Below Cal 90 12) methylene chloride 2.09 0.12 ug/L 12)across disulfide13)carbon disulfide14)tert-butylmethylether0.0012-dichloroethene0.00 0 N.D. 73 N.D. 15) trans-1,2-dichloroethene 96 0 N.D. 0.00 43 16) vinyl acetate 17) 1,1-dichloroethane Ö N.D. 0.00 63 18) methyl ethyl ketone 0.00 0 N.D. 72 0 N.D. 77 19) 2,2-dichloropropane 0.00 N.D. 20) cis-1,2-dichloroethene 0 0.00 96 99 83 23138 0.40 ug/L 3.03 21) chloroform 0 0.00 128 N.D. 22) bromochloromethane 97 N.D. 0 23) 1,1,1-trichloroethane 0.00 0.00 N.D. 75 U 0 Ð 25) 1,1-dichloropropene N.D. 26) carbon tetrachloride 119 3.39 28) 1,2-dichloroethane
29) benzene 62 4055m 0.11 ug/L 0 N.D. 0.00 78 0 0 N.D. 0.00 30) trichloroethene 95 0.00 N.D. 63 31) 1,2-dichloropropane 0 N.D. 32) bromodichloromethane 83 N.D. 0 33) dibromomethane 0.00 93 0 N.D. 0.00 34) 2-chloroethylvinylether 63 0 0.00 N.D. 35) 4-methyl-2-pentanone 43 0 N.D. 75 36) cis-1,3-dichloropropene 0.14 uq/L 5.23 91 17888m 38) toluene 0 N.D. 39) trans-1,3-dichloropropene 75 0.00 0.00 83 0 N.D. 40) 1,1,2-trichloroethane 0 N.D. 43) 2-hexanone 0.00 43 5.29 76 2377 N.D. 44) 1,3-dichloropropane N.D. 0 45) tetrachloroethene 0.00 166 0.00 129 0 N.D. 46) dibromochloromethane N.D. 47) 1,2-dibromoethane 0.00 107 0 0 N.D. 0.00 112 48) chlorobenzene 0 0 0 0 0 N.D. 49) 1,1,1,2-tetrachloroethane 0.00 131 N.D. 0.00 91 50) ethylbenzene 0.00 106 N.D. 51) m+p xylene 0.00 106 N.D. 52) o-xylene 0.00 104 N.D. 53) styrene 

 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 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			Response	Conc Unit	Qvalue
 64)	bromoform	0.00		0	N.D.	
56)	isopropylbenzene	0.00	105	0	N.D.	
50)	1,1,2,2-tetrachloroethane	0.00	83	0	N.D.	
501	1,2,3-trichloropropane	0.00	75	0	N.D.	
50)	n-propylbenzene	0.00	91	0	N.D.	
591	bromobenzene	0.00	156	0	N.D.	
613	p-ethyltoluene	0.00	105	0	N.D.	
61) 62)	1,3,5-trimethylbenzene	0.00		0	N.D.	
62)	2-chlorotoluene	0.00	126	0	N.D.	
63)	4-chlorotoluene	0.00	126	0	N.D.	
64) 653	tert-butylbenzene	0.00	134	0	N.D.	
657	1,2,4-trimethylbenzene	0.00	105	Ŭ	N.D.	
00) (77)	sec-butylbenzene	0.00	105	0	N.D.	
67)	4-isopropyltoluene	0.00		0	N.D.	
68)	4-1205105110010010	0.00		0	N.D.	
- 199 J	1, 3-ultoropondene	0.00		0	N.D.	
70)	1,4-urchrorobenaene	0.00		0	N.D.	
11)	1,2,3-CLimeenyibenaene	0.00		0	N.D.	
12)	n-butylbenzene	0.00		0	N.D.	
13)	p-diethylbenzene	0.00		0	N.D.	
74)	1,2-dichlorobenzene	0.00		0	N.D.	
75)	1,2,4,5-tetramethylbenzene	0.00		0	N.D.	
76)	1,2-dibromo-3-chloropropan	0.00		Ō	N.D.	
77)	1,2,4-trichlorobenzene	0.00		0	N.D.	
78)	hexachlorobutadiene	0.00		0	N.D.	
79)	naphthalene	0.00		ő	N.D.	
80)	1,2,3-trichlorobenzene	0.00	, TOO	0		

Data File : C:\MSDCHEM\1\DATA\0109 Acq On : 12 Jan 2009 5:47 pm Sample : 290082.04 1g Misc : MS Integration Params: events.e Quant Time: Jan 13 11:25:17 2009		Qu	Ope In: Mul ant Result:	Ltiplr:	GCMSV4 1.00 VS0109	
Quant Method : C:\MSDCHEM\1\METHODS	S\VS0:	10909A	.M (Chemsta	acton ti	icegrac	UL)
Title : Last Update : Tue Jan 13 11:21:35	2009					
Response via : Initial Calibration						
DataAcq Meth : VOAN182						
Internal Standards	R.T.	QIon	Response	Conc Ui	nits De	v(Min)
1) pentafluorobenzene	3.39	168	3140014	50.00	ug/L	0.00
3) 1,4-difluorobenzene	3.93	114	4468158		ug/L	
7) chlorobenzene-d5	6.22	82	1971023	50.00	ug/L	
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			48.69	ug/ь	0.00
6) 4-bromofluorobenzene	7.14		1390591	46.33	ug/L	0.00
					c	value
Target Compounds 2) methylene chloride	2.08	84	65842m	0.12	ug/L	

20 GGKMSV4 1:000 VS 01 0909 RES egrator) 4-bromofluorobenzene.s 4-bromofluorobenzene.s 8.00 8.50 7.50 8.00 9.00 8.50 9.00 9.00 9.00 8.50 9.00 9.00 9.00 8.50 9.00 8.50 9.00 9.00 9.00 9.00 9.00 9.00 9.00 9	C:/WSDCHEW/1/DATA/0109/011209/011209/011209/011209/011209/011209/011209/011209/011209/011209/011209/01209/012000/0120000000000
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λc Sai	ta File : C:\MSDCHEM\1\DATA\0109 q On : 12 Jan 2009 6:09 pm mple : 290082.05 1g	\01120	9\011:	Ope In:	Vial: 21 erator: st : GCMSV4 ltiplr: 1.00	
Mi MS	Integration Params: events.e		ÔIJ		s File: VS0109	09.RES
	ant Time: Jan 13 09:45:54 2009	a) **** * *				
Ti	ant Method : C:\MSDCHEM\1\METHOD tle :		0909.1	M (Chemsta	cion incegraco.	± )
Re	st Update : Mon Jan 12 10:09:05 sponse via : Initial Calibration taAcq Meth : VOAN182	2009				
I	nternal Standards			Response		v(Min)
	1) pentafluorobenzene	3.39	168		E 0 0 0 / T	0.00
	24) 1,4-difluorobenzene	3.93 6.21	114	3089704 4362096 1925647	50.00 ug/L 50.00 ug/L	0.00
	42) chlorobenzene-d5 55) 1,4-dichlorobenzene-d4	8.13		1964172	50.00 ug/L	0.00
S	ystem Monitoring Compounds 27) 1,2-dichloroethane-d4	3.39	102	278143	46.51 ug/L	0.00
5	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
ан. Д. <b>Т</b>	arget Compounds				—	value
	2) dichlorodifluoromethane	0.00	85	0	N.D.	
	3) chlorodifluoromethane	0.00	51 50	0	N.D. N.D.	
	4) chloromethane 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. N.D.	
	<ul><li>8) trichlorofluoromethane</li><li>9) freon</li></ul>	0.00 2.11	$\begin{array}{c} 101 \\ 151 \end{array}$	0 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 12857	Below Cal 0.13 ug/L #	94 4 75
	<ul><li>13) carbon disulfide</li><li>14) tert-butylmethylether</li></ul>	2.20	76 73	12857	N.D.	- 10
	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 72	0 0	N.D. N.D.	
	18) methyl ethyl ketone 19) 2,2-dichloropropane	0.00		0	N.D.	
	20) cis-1,2-dichloroethene	0.00		0	N.D.	
	21) chloroform	3.03	83	26737	0.47 ug/L	88
	22) bromochloromethane		128 97	0 0	N.D. N.D.	
	23) 1,1,1-trichloroethane 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 95	0	N.D. N.D.	
	30) trichloroethene 31) 1,2-dichloropropane	0.00	63	Õ	N.D.	
	32) bromodichloromethane	0.00	83	Ũ	N.D.	
	33) dibromomethane	0.00	93	0	N.D.	
	34) 2-chloroethylvinylether	0.00	63 43	0 0	N.D. N.D.	
	35) 4-methyl-2-pentanone 36) cis-1,3-dichloropropene	0.00	75	ő	N.D.	
1	38) toluene	5.22	91	19128m	0.16 ug/L	
	<pre>39) trans-1,3-dichloropropene</pre>	0.00	75	0	N.D.	
	40) 1,1,2-trichloroethane	0.00	83 43	0	N.D. N.D.	
	43) 2-hexanone 44) 1,3-dichloropropane	5.34		3175	N.D.	
	45) tetrachloroethene	0.00	166	0	N.D.	
	46) dibromochloromethane	0.00		0	N.D.	
	47) 1,2-dibromoethane	0.00		0	N.D. N.D.	
	<pre>48) chlorobenzene 49) 1,1,1,2-tetrachloroethane</pre>	0.00		0	N.D.	
	50) ethylbenzene	0.00		0	N.D.	
	51) m+p xylene	6.54		3734	N.D.	
	52) o-xylene	6.85		2202 0	N.D. N.D.	
	53) styrene					
	(#) = qualifier out of range (m)	= man	ual in	ntegration		

Data File : C:\MSDCHEM\1\DATA\0109\011209\01120921.D Vial: 21 Acq On : 12 Jan 2009 6:09 pm Sample : 290082.05 1g Operator: Inst : GCMSV4 Multiplr: 1.00 Misc \$ MS Integration Params: events.e Quant Results File: VS010909.RES Quant Time: Jan 13 09:45:54 2009 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		QION	Response	Conc Unit	Qvalue
54)	bromoform	0.00	173	0	N.D.	
	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.	
591	n-propylbenzene	0.00	91	0	N.D.	
60)	bromobenzene	0.00	156	0	N.D.	
	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.	
	tert-butylbenzene	0.00	134	0	N.D.	
		0.00	105	0	N.D.	
67)	sec-butylbenzene	0.00	105	0	N.D.	
68)	4-isopropyltoluene	0.00	119	0	N.D.	
691	1,3-dichlorobenzene	0.00	146	0	N.D.	
	1,4-dichlorobenzene	0.00	146	0	N.D.	
711	1,2,3-trimethylbenzene	0.00	105	0	N.D.	
	n-butylbenzene	0.00	92	0	N.D.	
		0.00	119	0	N.D.	
		0.00	146	0	N.D.	
751	1,2,4,5-tetramethylbenzene	0.00	119	0	N.D.	
76)	1,2-dibromo-3-chloropropan	0.00	157	0	N.D.	
771	1,2,4-trichlorobenzene	0.00	180	0	N.D.	
781	hexachlorobutadiene	0.00	225	0	N.D.	
	naphthalene	0.00	128	0	N.D.	
80)	1,2,3-trichlorobenzene	0.00	180	0	N.D.	

(QT Reviewed) Quantitation Report Data File : C:\MSDCHEM\1\DATA\0109\011209\01120921.D Vial: 21 Operator: Acq On : 12 Jan 2009 6:09 pm Inst : GCMSV4 : 290082.05 1g Sample Multiplr: 1.00 Misc \$ 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 R.T. QION Response Conc Units Dev(Min) Internal Standards ----------1) pentafluorobenzene3.3916830897043) 1,4-difluorobenzene3.9311443620967) chlorobenzene-d56.21821925647 50.00 ug/L 0.00 0.00 50.00 ug/L 50.00 ug/L 0.00 8.13 152 1964172 50.00 ug/L 0.00 8) 1,4-dichlorobenzene-d4 System Monitoring Compounds 0.00 4) 1,2-dichloroethane-d4 46.47 ug/L 3.39 102 278143 49.10 ug/L 0.00 98 5106277 5) toluene-d8 5.18 6) 4-bromofluorobenzene 45.39 ug/L 0.00 7.14 174 1330142 Qvalue Target Compounds 0.28 ug/L 96 70644 2) methylene chloride 2.09 84

c (DT Reviewed)	1 CMSV4 .00 5010909.RES	jrator)	20321.12 20										¢⊅-9∩4		eschedoto Manager (1990)	າມໂດກາດາດ	<b>₁-₽</b>			6.50 7.00 7.50 8.00 8.50 9.00 9.50 10.00 10.50 11.00 11.50 12.00	Page
and the second the period for the period for the second test school (DE Reveal)	<pre>cle : C:\MSDCHEM\1\DATA\0109\011209\01120921.D vial: 21     : 12 Jan 2009 6:09 pm</pre>	Π	Last Update : Mon Jan 12 10:09:05 2009 Response via : Initial Calibration Wdance The Oll20921.D	00	00	00			8	00	00	7 Miles	Դեթցերք Տ	atrod()38 Sib-onou cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o cib-o	iobenzenzen ارها اماک	1,4 Chion		əpynsi	cetone teon cetone scetone B cetone d	0.50 1.00 1.50 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 6.00 6.50 7.00 7.50	01120921.D VS010909.M Wed Ten 14 13:18:14 2009 GCMSV4
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Qu	uantita	ation	Report	(QT Reviewed	i)
Data File : C:\MSDCHEM\1\DATA\0109	01120	9\0112	20922.D	Vial: 22	
Acq On : 12 Jan 2009 6:31 pm			Ope	erator: st : GCMSV	74
Sample : 290082.06 1g Misc :				tiplr: 1.00	
MS Integration Params: events.e Quant Time: Jan 13 09:47:04 2009		Qua	ant Results	File: VS01	909.RES
Quant Method : C:\MSDCHEM\1\METHOD	s\vs01	0909.1	4 (Chemstat	tion Integra	tor)
ritle :					
Last Update : Mon Jan 12 10:09:05 Response via : Initial Calibration	2009				
DataAcq Meth : VOAN182					
Internal Standards	R.T.	QION	Response	Conc Units	Dev(Min)
1) pentafluorobenzene	3.39		2999696	50.00 ug/L	
24) 1,4-difluorobenzene	3.93		4307244 1930877	50.00 ug/L 50.00 ug/L	
42) chlorobenzene-d5 55) 1,4-dichlorobenzene-d4	8.13				
• -	0.15	<u>+</u> 52	190902.		
System Monitoring Compounds 27) 1,2-dichloroethane-d4	3.39	102	295048	49.96 ug/L	0.00
37) toluene-d8	5.18	98		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.	
<ol><li>chlorodifluoromethane</li></ol>	0.00	51	0	N.D. N.D.	
4) chloromethane	0.00	50 62	0	N.D.	
5) vinyl chloride 6) bromomethane	0.00	96	0	N.D.	
7) chloroethane	0.00	64	0	N.D.	
<ol> <li>trichlorofluoromethane</li> </ol>	0.00	101	0	N.D.	
9) freon	2.11	151	8288m 0	0.34 ug/L N.D.	I
10) acetone	0.00	58 96	0	N.D.	
11) 1,1-dichloroethene 12) methylene chloride	2.09	84	60433	Below Cal	98
13) carbon disulfide	2.20	76	10097m	0.10 ug/L	ŀ
14) tert-butylmethylether	0.00	73	0 0	N.D. N.D.	
15) trans-1,2-dichloroethene	0.00	96 43	0	N.D.	
16) vinyl acetate 17) 1,1-dichloroethane	0.00	63	ō	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 3.03	96 83	0 25522	N.D. 0.46 ug/I	# 17
21) chloroform 22) bromochloromethane	0.00	128	25522	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 62	0 847	N.D. N.D.	
28) 1,2-dichloroethane 29) benzene	3.45 0.00	78	0	N.D.	
30) trichloroethene	0.00	95	0	N.D.	
31) 1,2-dichloropropane	0.00		0	N.D.	
32) bromodichloromethane	0.00	83	0	N.D. N.D.	
33) dibromomethane 34) 2-chloroethylvinylether	0.00	93 63	0	N.D.	
34) 2-chioroethyrvinyrether 35) 4-methyl-2-pentanone	0.00		0	N.D.	
asy dig_1 3_dicbloropropene	0.00	75	0	N.D.	
38) toluene	5.23		15036m	0.12 ug/l N.D.	
39) trans-1,3-dichloropropene	0.00		0 0	N.D. N.D.	
40) 1,1,2-trichloroethane 43) 2-hexanone	0.00		ő	N.D.	
44) 1,3-dichloropropane	5.20	76	1682	N.D.	
45) tetrachloroethene	0.00		0	N.D.	r.
46) dibromochloromethane	5.42		_	0.32 ug/1 N.D.	L1
47) 1,2-dibromoethane	0.00			N.D.	
<pre>48) chlorobenzene 49) 1,1,1,2-tetrachloroethane</pre>	0.00			N.D.	
50) ethylbenzene	0.00		0	N.D.	•
51) m+p xylene	6.56				T
	6.84	106	2612	N.D.	
52) o-xylene 53) styrene	0.00	104	0	N.D.	

Quantitation Report (QT Reviewed) Data File : C:\MSDCHEM\1\DATA\0109\011209\01120922.D Vial: 22 Acq On : 12 Jan 2009 Operator: 6:31 pm Inst : GCMSV4 : 290082.06 1g Sample Multiplr: 1.00 Misc : MS Integration Params: events.e Quant Results File: VS010909.RES Quant Time: Jan 13 09:47:04 2009 Quant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator) Title 1 Last Update : Mon Jan 12 10:09:05 2009 Response via : Initial Calibration DataAcq Meth : VOAN182

Compound			Response	Conc Unit	Qvalue
<pre>54) bromoform 56) isopropylbenzene 57) 1,1,2,2-tetrachloroethane 58) 1,2,3-trichloropropane 59) n-propylbenzene 60) bromobenzene 61) p-ethyltoluene 62) 1,3,5-trimethylbenzene 63) 2-chlorotoluene 64) 4-chlorotoluene 65) tert-butylbenzene 66) 1,2,4-trimethylbenzene 67) sec-butylbenzene</pre>	$\begin{array}{c} 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\$	173 105 83 75 91 156 105 120 126 126 126 134 105 105	0	N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D.	
<pre>68) 4-isopropyltoluene 69) 1,3-dichlorobenzene 70) 1,4-dichlorobenzene 71) 1,2,3-trimethylbenzene 72) n-butylbenzene 73) p-diethylbenzene 74) 1,2-dichlorobenzene 75) 1,2,4,5-tetramethylbenzene 76) 1,2-dibromo-3-chloropropan 77) 1,2,4-trichlorobenzene 78) hexachlorobutadiene</pre>	0.00 0.00 0.00 0.00 0.00 0.00 0.00	146 105 92 119 146 119 157 180 225 128	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	N.D. N.D. N.D.	

(QT Reviewed) Quantitation Report Data File : C:\MSDCHEM\1\DATA\0109\011209\01120922.D Vial: 22 Acq On : 12 Jan 2009 6:31 pm Operator: Inst : GCMSV4 Sample : 290082.06 lq Multiplr: 1.00 Misc ÷ MS Integration Params: events.e Ouant Results File: VS010909A.RES Quant Time: Jan 13 11:25:19 2009 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 R.T. QIon Response Conc Units Dev(Min) Internal Standards 1) pentafluorobenzene 168 2999696 50.00 ug/L 0.00 3.39 50.00 ug/L 0.00 4307244 3) 1,4-difluorobenzene 3.93 114 7) chlorobenzene-d5 50.00 ug/L 0.00 6.21 82 1930877 50.00 ug/L 0.00 8) 1,4-dichlorobenzene-d4 8.13 152 1959617 System Monitoring Compounds 102 0.00 3.39 295048 49.92 ug/L 4) 1,2-dichloroethane-d4 0.00 5) toluene-d8 5.18 98 4994740 48.64 ug/L 45.22 ug/L 0.00 7.14 174 1308367 6) 4-bromofluorobenzene Target Compounds Qvalue 2.09 84 60433 N.D. 2) methylene chloride

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1.5.88, 16+2	C:\MSDCHEM\1\DATA\0109\011209\011 12 Jan 2009 6:31 pm 290082.06 1g	aram: 13 S	C:\MSDCHEM\1\METHODS\VS010900.	Mon Jan Initial												1.50	W. 0000102V
	C:\MSD 12 Jan 290082	ion P Jan	ບ ••	• •• ••					старов начен. Аления на б				2004.00.0000 A.V.			1.00	010S/
	e n n e e e n n e	grat.		date se via												0.50	
1 - 1 - 1 - 1	Data Fi Acq On Sample Misc	MS Integration Params: Quant Time: Jan 13 9:0	Method	rıtıe Last Update Response vi Abundance	2200000	200000	1800000	160000	1400000	1200000	100000	800000	60000	400000	ි Fagge 346	0 Time>	01120922.D

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Q	uantita	tion	Report	(QT Reviewed)	
Data File : C:\MSDCHEM\1\DATA\0109 Acq On : 12 Jan 2009 6:53 pm Sample : 290082.07 1g	\011209	\0112	Ope Ins	vial: 23 erator: et : GCMSV4	
Misc : MS Integration Params: events.e				tiplr: 1.00	
Quant Time: Jan 13 09:48:09 2009				File: VS01090	
Quant Method : C:\MSDCHEM\1\METHOD Title :	s\vs01(	909.N	1 (Chemstat	ion Integrator	:)
Last Update : Mon Jan 12 10:09:05 Response via : Initial Calibration DataAcq Meth : VOAN182	2009				
Internal Standards	R.T. (	2Ion	Response	Conc Units Dev	/(Min)
	3.38	168	2809871	50.00 ug/L	0.00
24) 1,4-difluorobenzene	3.93	114	4111369 1812676	50.00 ug/L 50.00 ug/L	0.00
42) chlorobenzene-d5 55) 1,4-dichlorobenzene-d4	3.93 6.21 8.13	82 152	1812676 1814091		0.00
55) 1,4-dichiorobenzelle-u4	0+13	172	1014091	<b></b>	
System Monitoring Compounds 27) 1,2-dichloroethane-d4	3.39	102	285767	50.70 ug/L	0.00
37) toluene-d8	5.17			48.47 ug/L	0.00
41) 4-bromofluorobenzene	7.14	174	1255785	42.18 ug/L	0.00
Target Compounds					value
2) dichlorodifluoromethane	1.18	85	3937m	0.12 ug/L	
<ol><li>chlorodifluoromethane</li></ol>	0.00	51 50	0	N.D. N.D.	
4) chloromethane 5) vinyl chloride	0.00	50 62	0	N.D.	
6) bromomethane	0.00	96	0	N.D.	
7) chloroethane	0.00	64	0	N.D.	
8) trichlorofluoromethane	0.00	$\begin{array}{c} 101 \\ 151 \end{array}$	0	N.D. N.D.	
9) freon	0.00	151 58	16449m	8.55 ug/L	
10) acetone 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 0.00	76 73	7643 0	N.D. N.D.	
14) tert-butylmethylether 15) trans-1,2-dichloroethene	0.00	96	ŏ	N.D.	
16) vinyl acetate	0.00	43	0	N.D.	
17) 1,1-dichloroethane	0.00		0	N.D.	
18) methyl ethyl ketone	0.00	72 77	0 0	N.D. N.D.	
19) 2,2-dichloropropane 20) cis-1,2-dichloroethene	0.00	96	ő	N.D.	
20) clis-1,2-dichiorocenene 21) chloroform	3.03	83	20988	0.41 ug/L #	ŧ 17
22) bromochloromethane	0.00	128	0	N.D.	
23) 1,1,1-trichloroethane	0.00	97 75	0	N.D. N.D.	
25) 1,1-dichloropropene 26) carbon tetrachloride	0.00	119	õ	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 63	0 0	N.D. N.D.	
<pre>31) 1,2-dichloropropane 32) bromodichloromethane</pre>	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. N.D.	
35) 4-methyl-2-pentanone	0.00	43 75	0	N.D.	
36) cis-1,3-dichloropropene 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 43	0 0	N.D. N.D.	
43) 2-hexanone 44) 1,3-dichloropropane	0.00	43 76	1760	N.D.	
45) tetrachloroethene	5.75	166	53911	2.03 ug/L	96
46) dibromochloromethane	5.43	129	5869m	-	
47) 1,2-dibromoethane	0.00	107	0 0	N.D. N.D.	
48) chlorobenzene	0.00	112 131	0	N.D.	
49) 1,1,1,2-tetrachloroethane 50) ethylbenzene	0.00	91	õ	N.D.	
50) ethyrbenzene 51) m+p xylene	6.54	106		N.D.	
52) o-xylene 53) styrene	0.00			N.D. N.D.	
	0.00	104	U	EN + E4 +	

(QT Reviewed) Quantitation Report Data File : C:\MSDCHEM\1\DATA\0109\011209\01120923.D Vial: 23 Operator: Acq On : 12 Jan 2009 Sample : 290082.07 1g 6:53 pm Inst : GCMSV4 Multiplr: 1.00 Misc : MS Integration Params: events.e Quant Results File: VS010909.RES Quant Time: Jan 13 09:48:09 2009 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

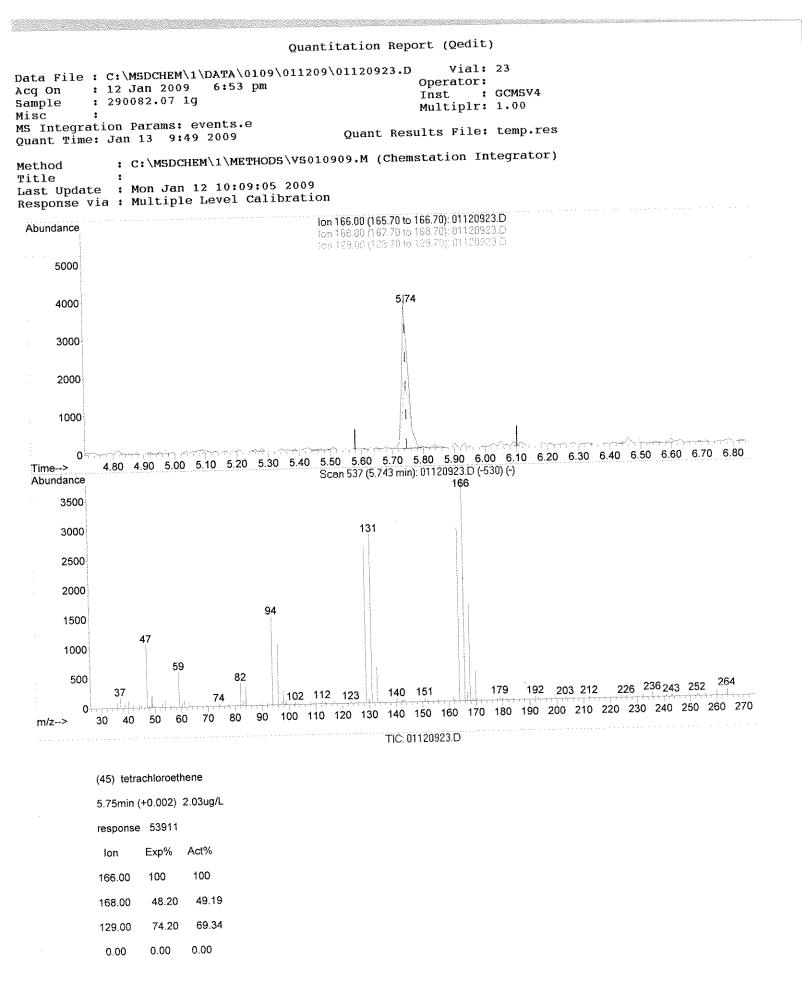
	Compound	R.T.	QION	Response	Conc Unit	Qvalue
54)	bromoform	0.00	173	0	N.D.	
	isopropylbenzene	0.00	105	0	N.D.	
57)	1,1,2,2-tetrachloroethane	0.00	83	0	N.D.	
58)	1,2,3-trichloropropane	0.00	75	0	N.D.	
59)	n-propylbenzene	0.00	91	0	N.D.	
	bromobenzene	0.00	156	0	N.D.	
		0.00	105	0	N.D.	
62)	1,3,5-trimethylbenzene	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	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.	
	n-butylbenzene	0.00	92	0	N.D.	
	p-diethylbenzene	0.00	119	0	N.D.	
	1,2-dichlorobenzene	0.00	146	0	N.D.	
75)	1,2,4,5-tetramethylbenzene	0.00	119	0	N.D.	
761	1,2-dibromo-3-chloropropan	0.00	157	0	N.D.	
771	1,2,4-trichlorobenzene	0.00	180	0	N.D.	
78)	hexachlorobutadiene	0.00	225	0	N.D.	
	naphthalene	0.00	128	0	N.D.	
80)	1,2,3-trichlorobenzene	0.00	180	0	N.D.	

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Quantitation Report (QT Reviewed) Data File : C:\MSDCHEM\1\DATA\0109\011209\01120923.D Vial: 23 Operator: Acq On : 12 Jan 2009 6:53 pm Inst : GCMSV4 : 290082.07 lg Sample Multiplr: 1.00 Misc 1 MS Integration Params: events.e Quant Results File: VS010909A.RES Quant Time: Jan 13 11:25:20 2009 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 R.T. QIon Response Conc Units Dev(Min) Internal Standards 3.38 168 2809871 50.00 ug/L 0.00 1) pentafluorobenzene 0.00 50.00 ug/L 3.93 114 4111369 3) 1,4-difluorobenzene 7) chlorobenzene-d5 0.00 50.00 ug/L 6.21 82 1813372 0.00 8.13 152 1814091 50.00 ug/L 8) 1,4-dichlorobenzene-d4 System Monitoring Compounds 0.00 50.65 ug/L 285777 4) 1,2-dichloroethane-d4 3.39 102 49.12 ug/L 0.00 5.17 98 4814210 5) toluene-d8 0.00 45.47 ug/L 7.14 174 1255785 6) 4-bromofluorobenzene Qvalue Target Compounds 0.36 ug/L 84 67032 2) methylene chloride 2.08 84

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23 GCMSV4 1.00		itegrator)										dichi0rober	ອດ່ວາວມກິດກາ					.00 6.50 7.00 7.50 8.00 8.50 9.00 9.50 10.00 10.50 11.00 11.50 12.00
C:\MSDCHEM\1\DATA\0109\011209\01120923.D Vial: 23 12 Jan 2009 6:53 pm Operator: 290082.07 19 Inst : GCMSY Multiplr: 1.00	e Quant Results File:	C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)	12 10:09:05 2009 Calibration 70:01120923D							2°#D		esnedorou		******	ເອເບີອເກດາດ	chloroform totuene dibromochic dibromochic	ng - 1. godini da misero granovio oda esta mingra - produ Astrona bandinaria da de da deba de antice de esta esta esta esta esta esta esta est	2.50 3.00 3.50 4.00 4.50 5.00 5.50 6.00
File .	MISC : MS Integration Params: events. Quant Time: Jan 13 9:49 2009	**	Title : Last Update : Mon Jan 12 Response via : Initial Ca Woundance	2600000	2400000	2200000	2000000	1800000	1600000	14000000	1200000 000000	1000000	800000	00 000000 0000000000000000000000000000	60000000000000000000000000000000000000	euojaose nyipolo(i(o)) Paoge :	e Jacobie View in the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second	Time> 0.50 1.00 1.50 2.00



ta File : C:\MSDCHEM\1\DATA\0109\ q On : 12 Jan 2009 7:15 pm mple : 290082.08 1g sc :	011209	\0112	Ins	Vial: 24 rator: t : GCMSV4 tiplr: 1.00	
Integration Params: events.e ant Time: Jan 13 09:49:18 2009		Qua	nt Results	File: VS01090	9.RES
ant Method : C:\MSDCHEM\1\METHOD	5\V501(	)909.M	(Chemstat	ion Integrator	)
tle : st Update : Mon Jan 12 10:09:05 sponse via : Initial Calibration taAcq Meth : VOAN182	2009				
nternal Standards	R.T. (	2Ion		Conc Units Dev	(Min)
1) nentafluorobenzene	3.39	168	2918995	50.00 ug/L	0.00
24) 1,4-difluorobenzene		114	4294042 1771593	50.00 ug/L 50.00 ug/L	0.00
<pre>42) chlorobenzene-d5 55) 1,4-dichlorobenzene-d4</pre>	8.13	152	1622656	50.00 ug/L	0.00
system Monitoring Compounds			204720	51.76 ug/L	0.00
27) 1,2-dichloroethane-d4			304728 4987512	48.08 ug/L	0.00
<ul><li>37) toluene-d8</li><li>41) 4-bromofluorobenzene</li></ul>	5.18 7.14	174		37.79 ug/L	0.0(
Parget Compounds					value
2) dichlorodifluoromethane	0.00	85	0	N.D. N.D.	
3) chlorodifluoromethane	0.00	51 50	0	N.D.	
4) chloromethane 5) vinyl chloride	0.00	62	ō	N.D.	
6) bromomethane	0.00	96	0	N.D.	
7) chloroethane	0.00	64 101	0 0	N.D. N.D.	
8) trichlorofluoromethane	$0.00 \\ 2.11$	$\begin{array}{c} 101 \\ 151 \end{array}$	5271m	0.22 ug/L	
9) freon 10) acetone	1.82	58	9738m	4.87 ug/L	
11) 1,1-dichloroethene	0.00	96	0	N.D. Below Cal	9
12) methylene chloride	2.09 2.20	84 76	112363 13461	0.14 ug/L #	
<ul><li>13) carbon disulfide</li><li>14) tert-butylmethylether</li></ul>	0.00	73	13401	N.D.	
15) trans-1,2-dichloroethene	0.00	96	0	N.D.	
16) vinvl acetate	0.00	43 63	0 0	N.D. N.D.	
17) 1,1-dichloroethane	0.00	63 72	0	N.D.	
18) methyl ethyl ketone 19) 2,2-dichloropropane	0.00	77	0	N.D.	
20) cis-1,2-dichloroethene	2.90	96	32426m	1.03 ug/L 0.43 ug/L	g
21) chloroform	3.03	83 128	23279 0	0.43 UG/L N.D.	5
<pre>22) bromochloromethane 23) 1,1,1-trichloroethane</pre>	3.50	97	14739	0.35 ug/L #	ŧ 4
25) 1,1-dichloropropene	0.00	75	0	N.D.	
26) carbon tetrachloride	0.00	119	0	N.D. N.D.	
28) 1,2-dichloroethane	0.00	62 78	0	N.D.	
29) benzene 30) trichloroethene	0.00		0	N.D.	
31) 1,2-dichloropropane	0.00		0	N.D.	
32) bromodichloromethane	0.00		0 0	N.D. N.D.	
33) dibromomethane 34) 2-chloroethylvinylether	0.00		0	N.D.	
34) 2-chloroethylvinylether 35) 4-methyl-2-pentanone	0.00	43	0	N.D.	
36) cis-1,3-dichloropropene	0.00		0	N.D. 0.36 ug/L ≠	¥ .
38) toluene	5.22		44171 0	0.36 UQ/L 4 N.D.	•
<pre>39) trans-1,3-dichloropropene 40) 1,1,2-trichloroethane</pre>	0.00		0	N.D.	
40) 1,1,2-trititoroethane 43) 2-hexanone	0.00	43	0	N.D.	
44) 1,3-dichloropropane	5.23		905 510967	N.D. 19.77 ug/L	
45) tetrachloroethene	5,75		510967 0	N.D.	
<pre>46) dibromochloromethane 47) 1,2-dibromoethane</pre>	0.00			N.D.	
48) chlorobenzene	0.00	112	0	N.D.	
49) 1,1,1,2-tetrachloroethane	0.00			N.D. N.D.	
50) ethylbenzene	6.40 6.56			0.40 ug/l	
51) m+p xylene 52) o-xylene	6.84		15696m	0.34 ug/L	
52) Styrene	6.81			N.D.	

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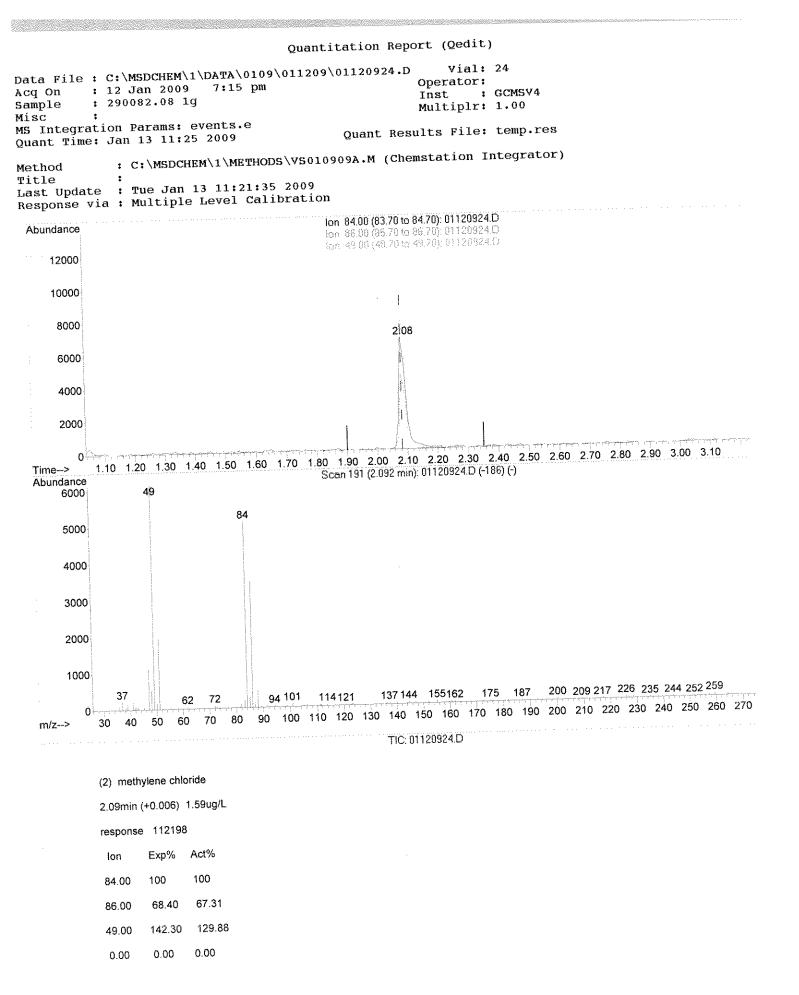
(QT Reviewed) Quantitation Report Data File : C:\MSDCHEM\1\DATA\0109\011209\01120924.D Vial: 24 Operator: Acq On : 12 Jan 2009 7:15 pm : GCMSV4 Inst : 290082.08 lg Sample Multiplr: 1.00 Misc : MS Integration Params: events.e Quant Results File: VS010909.RES Quant Time: Jan 13 09:49:18 2009 Quant Method : 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

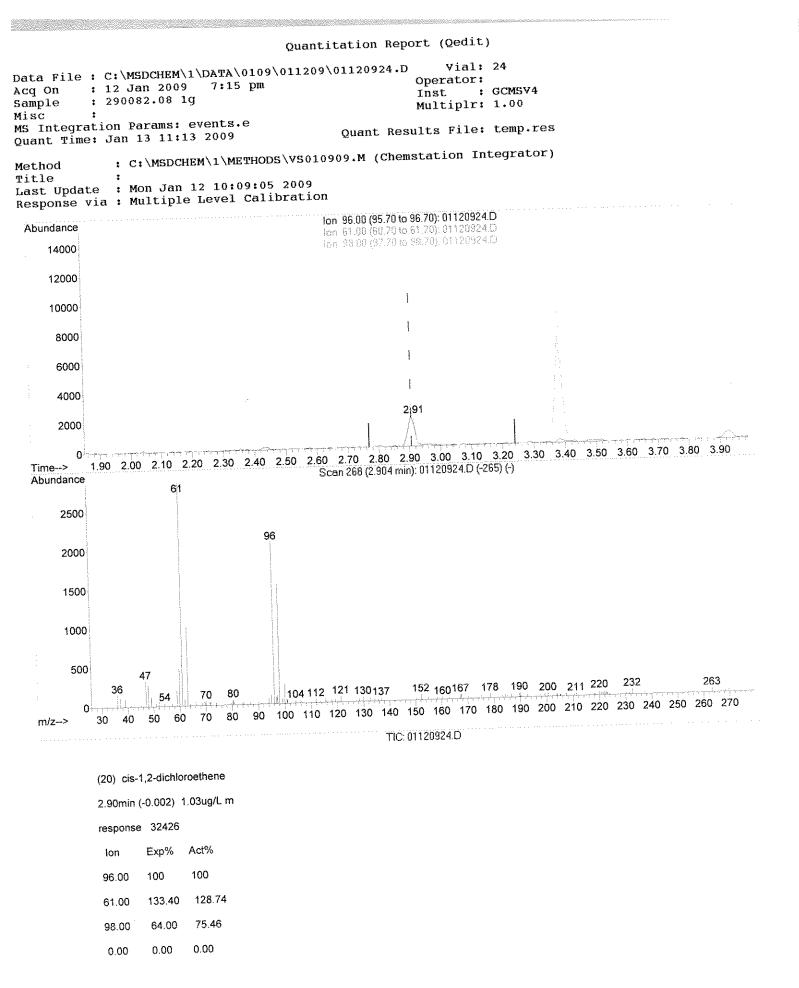
Compound	R.T.	QION	Response	Conc Unit	Qvalue
	0.00		0		
54) bromoform 56) isopropylbenzene	0.00	105	0	N.D.	
57) 1,1,2,2-tetrachloroethane		83		N.D.	
58) 1,2,3-trichloropropane		75		N.D.	
58) 1,2,3-CITCHIOLOPLOPUNO			8464	N.D.	
59) n-propylbenzene	0.00	156		N.D.	
60) bromobenzene	7.58	105	7574	N.D.	
61) p-ethyltoluene 62) 1,3,5-trimethylbenzene	7.70	120	49317	1.36 ug/L	94
62) 1,3,5-climethylbendene 63) 2-chlorotoluene	0.00		_		
63) 2-chlorotoluene	0.00	126	0	N.D.	
64) 4-Childfoldfuene 65) tert-butylbenzene	0.00	134	0		
66) 1,2,4-trimethylbenzene	7.99	105	157804m	2.18 ug/L	
66) 1,2,4-CI incluy isomaono	8.06	105	10900m		
67) sec-butylbenzene 68) 4-isopropyltoluene	8.15	119	26368	0.34 ug/L	# 52
68) 4-Isopropyreordene	8.09	146	1480	N.D.	
69) 1,3-dichlorobenzene	0.00		0	N.D.	
70) 1,4-dichlorobenzene	8.31		137220m	1.86 ug/L	
71) 1,2,3-trimethylbenzene		92	337		
72) n-butylbenzene	8.52		5695m	0.13 ug/L	
73) p-diethylbenzene 74) 1,2-dichlorobenzene	8.42		222001	5,34 ug/L	92
74) 1,2-d1Ch10L0Deh2ehe					
75) 1,2,4,5-tetramethylbenzene	0.00			N.D.	
76) 1,2-dibromo-3-chloropropan	0.00		0	N.D.	
77) 1,2,4-trichlorobenzene	0.00			N.D.	
78) hexachlorobutadiene	10.03			0.61 ug/L	
79) naphthalene				N.D.	
80) 1,2,3-trichlorobenzene	0.00	, 100	-		

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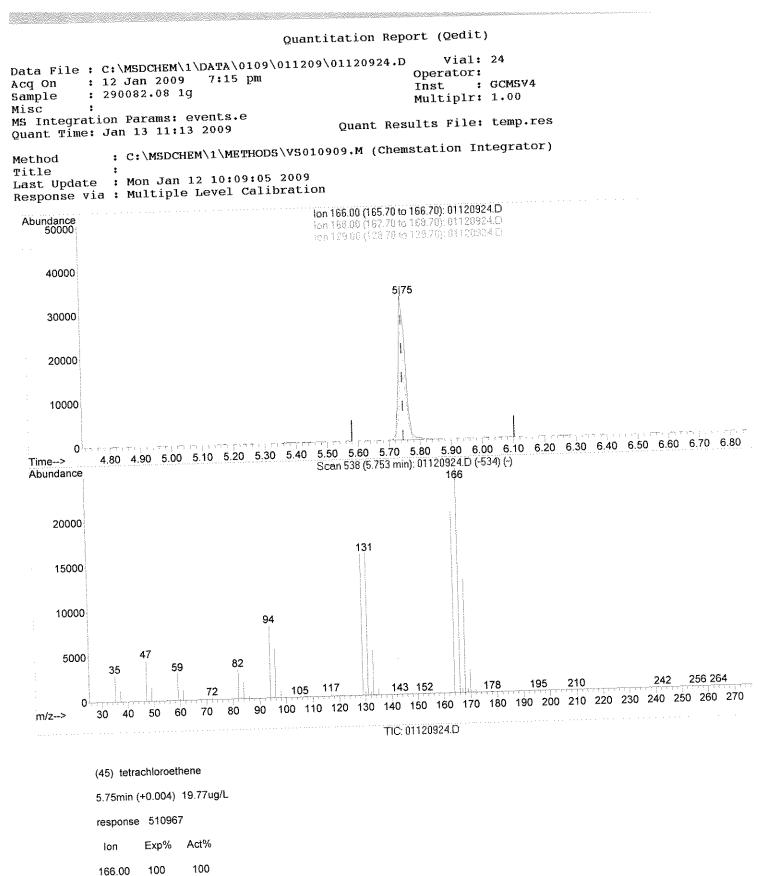
Qu	antit	ation	Report	(QT Reviewe	ed)
Data File : C:\MSDCHEM\1\DATA\0109\ Acq On : 12 Jan 2009 7:15 pm Sample : 290082.08 1g Misc :	01120	9\0112	In	Vial: 24 erator: st : GCMS ltiplr: 1.0	5V4 0
MS Integration Params: events.e Quant Time: Jan 13 11:25:21 2009				s File: VSO	
Quant Method : C:\MSDCHEM\1\METHODS Title : Last Update : Tue Jan 13 11:21:35 Response via : Initial Calibration DataAcq Meth : VOAN182		.0909A	.M (Chemst	ation Integ	rator)
Internal Standards	R.T.	QIon	Response	Conc Units	ملقت يججر فلقت علين وجود ملقد
<ol> <li>pentafluorobenzene</li> <li>1,4-difluorobenzene</li> <li>chlorobenzene-d5</li> <li>1,4-dichlorobenzene-d4</li> </ol>	3.93	114 82	2918995 4294042 1771593 1622656	50.00 ug/ 50.00 ug/ 50.00 ug/ 50.00 ug/	L 0.00 L 0.00
System Monitoring Compounds 4) 1,2-dichloroethane-d4 5) toluene-d8 6) 4-bromofluorobenzene	3.39 5.18 7.14	98	304728 4987675 1175057	51.71 ug/ 48.72 ug/ 40.74 ug/	/L 0.00 /L 0.00
Target Compounds 2) methylene chloride	2.09	84	112198	1.59 ug	Qvalue /L 93

A TUDATTA OLDY VOLL209 VOLL209 VOLL209 VOLL209 VOLL209 VOLL209 VOLL209 VOLL209 VOLL209 VOLL209 VOLL209 VOLL209 VOLUANTA VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY VOLDY	(event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (event)errore (e	0 6.50 7.00 7.50 8.00 8.50 9.00 9.50 10.00 10.50 11.00 11.50 12.00
<pre>32.08 1g arams: events.e 13 11:13 2009 7:15 pm 13 11:13 2009 7:15 pm 13 11:13 2009 7:15 pm 11:13 2009 7:15 pm 2009 000 Jan 12 10:09:05 2009 nitial calibrationethene cabon disufide cabon disufide trool 200 200 3:00 3:00 3:00 3:00 3:00 3:00 3</pre>	e e sults ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ruits ru	A 50 5 00
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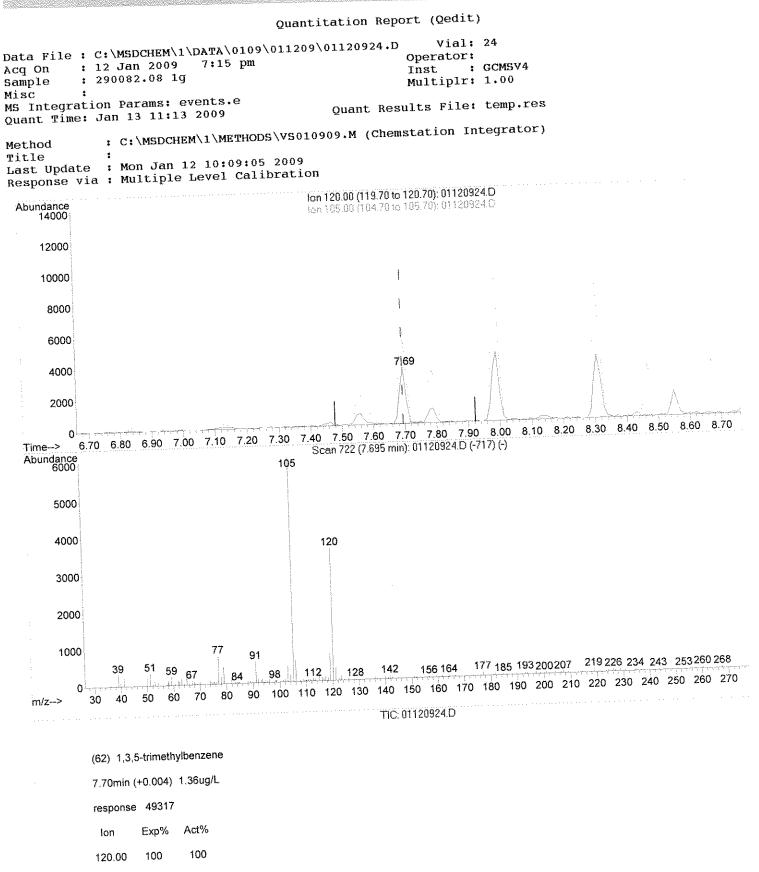




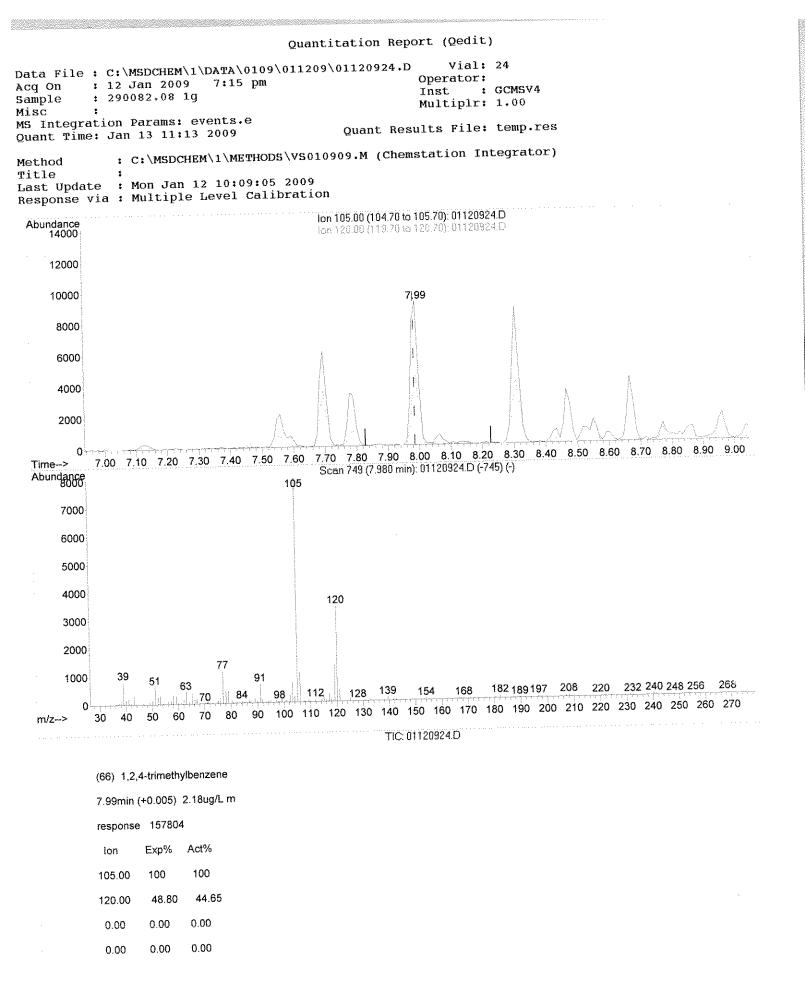
Page 357

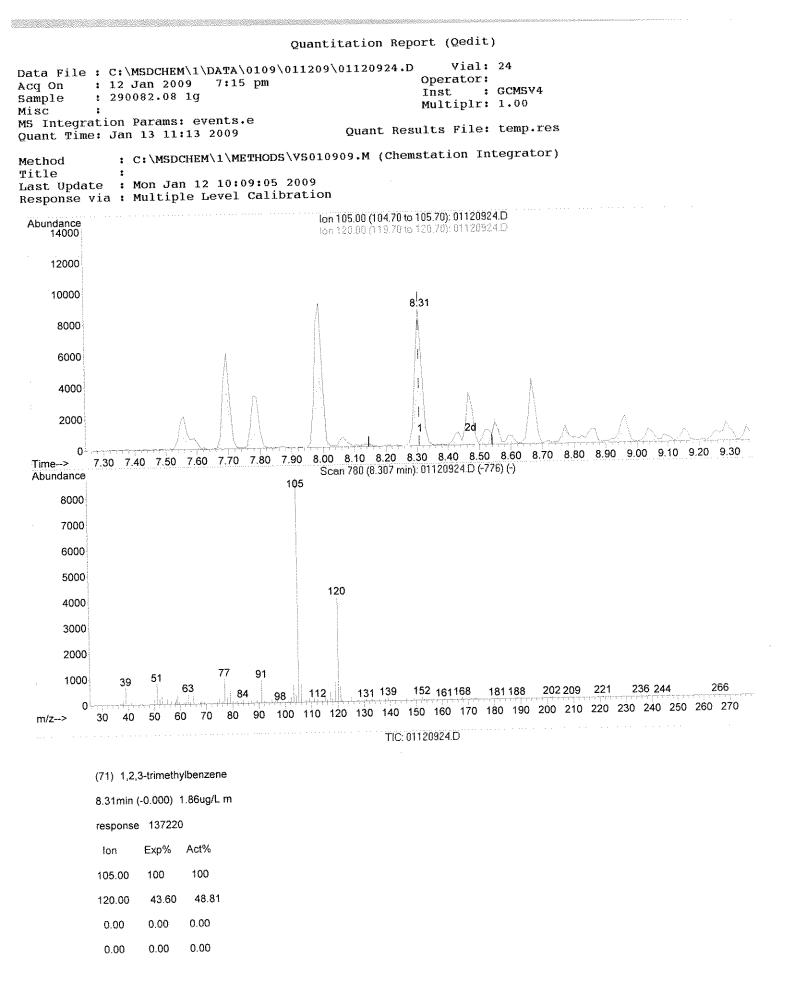


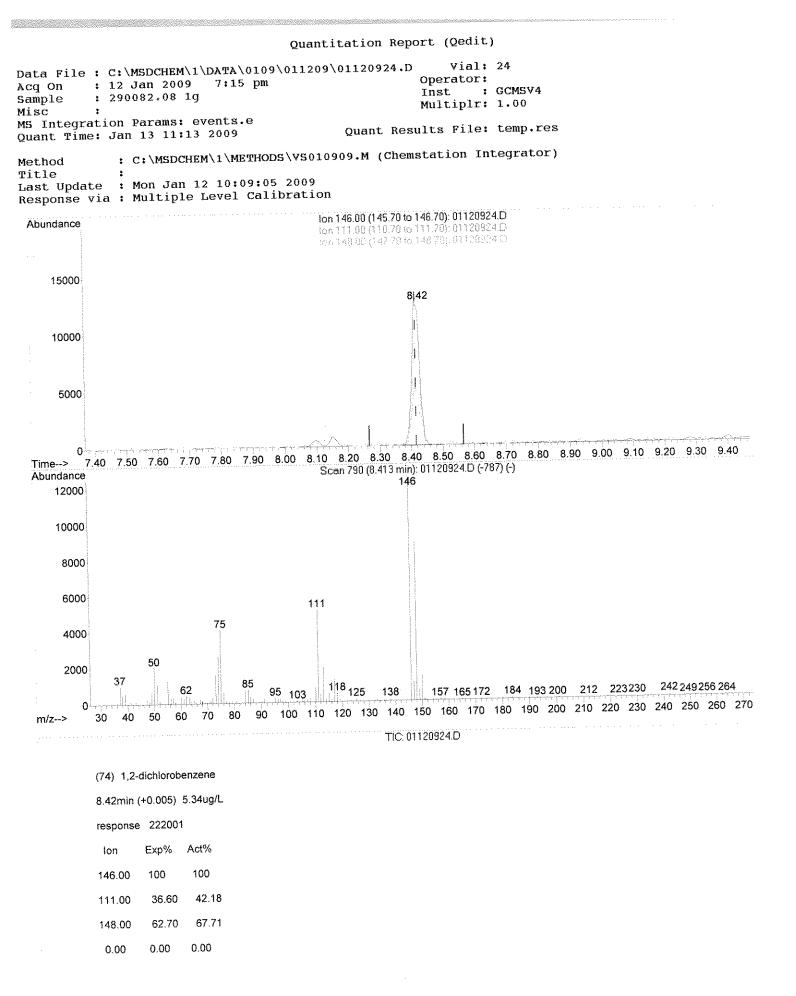
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- 168.00 48.20 48
- 129.00 74.20 71.58
- 0.00 0.00 0.00



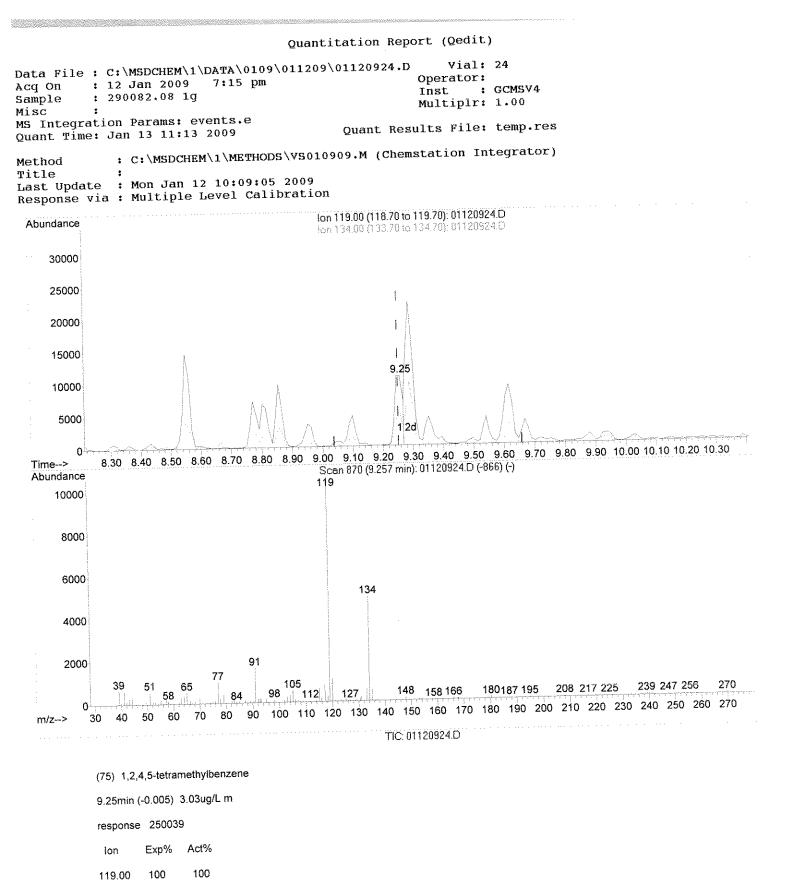
- 105.00 199.40 190.82
- 0.00 0.00 0.00
- 0.00 0.00 0.00







Wed Jan 14 13:51:13 2009



- 134.00 45.50 0.00#
- 0.00 0.00 0.00
- 0.00 0.00 0.00

011	antita	tion I	Report (	(QT Reviewed)	
Data File : C:\MSDCHEM\1\DATA\0109\ Acq On     : 12 Jan 2009    7:37 pm Sample     : 290082.09 1g			0925.D Opei Inst	Vial: 25 rator: t : GCMSV4 tiplr: 1.00	
Misc : MS Integration Params: events.e Quant Time: Jan 13 10:09:22 2009				File: VS0109	
Quant Method : C:\MSDCHEM\1\METHOD	\$\VS010	909.M	(Chemstat	ion Integrato	r)
Title : Last Update : Mon Jan 12 10:09:05 Response via : Initial Calibration					
DataAcq Meth : VOAN182 Internal Standards	R.T. ζ	Ion	Response	Conc Units De	v(Min)
1) pentafluorobenzene	3.39	168	2938223	50.00 ug/L	0.00
24) 1.4-difluorobenzene		114		50.00 ug/L 50.00 ug/L	0.00
A2) chlorobenzene-d5	<b>.</b>	82 152	1890575 1942325	50.00 ug/L	0.00
55) 1,4-dichlorobenzene-d4	<u>ሁቀ</u> ደ ማ				
System Monitoring Compounds			205101	50.26 ug/L	0.00
27) 1,2-dichloroethane-d4	3.39 5.18	102 98	295101 5059392	48.91 ug/L	0.00
37) toluene-d8	5,18	98 174	1312659	42.33 ug/L	0.00
41) 4-bromofluorobenzene				,	yalue
Target Compounds		85	4273m	0.12 ug/L	SIGTOC
2) dichlorodifluorometnane	$1.19 \\ 0.00$	85 51	4275m 0	N.D.	
<ul><li>3) chlorodifluoromethane</li><li>4) chloromethane</li></ul>	0.00	50	0	N.D.	
5) vinyl chloride	0.00	62	0	N.D. 0.40 ug/L	
6) bromomethane	1.60	96	7211m 0	N.D.	
7) chloroethane	0.00	64 101	0	N.D.	
<ul><li>8) trichlorofluoromethane</li></ul>	2.12	151	6477m	0.27 ug/L	
9) freon 10) acetone	1.82	58	10743m	5.34 ug/L	
11) 1.1-dichloroethene	0.00	96	0 63121	N.D. Below Cal	90
12) methylene chloride	2.09 2.20	84 76	9555m	0.10 ug/L	
(13) carbon disulfide	0.00	73	0	N.D.	
<pre>14) tert-butylmethylether 15) trans-1,2-dichloroethene</pre>	0.00	96	0	N.D.	
16) vinvl acetate	0.00	43	0 0	N.D. N.D.	
17) 1.1-dichloroethane	0.00	63 72	0	N.D.	
18) methyl ethyl ketone	0.00	77	0	N.D.	
19) 2,2-dichloropropane 20) cis-1,2-dichloroethene	0.00	96	0	N.D. 0.39 ug/L	# 17
21) chloroform	3.04	83	21247 0	N.D.	<i>u</i>
22) bromochloromethane	0.00	128 97	-	N.D.	
23) 1,1,1-trichloroethane	0.00		<i>.</i>	N.D.	
25) 1,1-dichloropropene 26) carbon tetrachloride	0.00	119	0	N.D.	
28) 1,2-dichloroethane	3.40			N.D. N.D.	
29) benzene	0.00		-	N.D.	
30) trichloroethene	0.00			N.D.	
<ul><li>31) 1,2-dichloropropane</li><li>32) bromodichloromethane</li></ul>	4.21		8654m		
aa) dibromomethane	0.00		0	N.D. N.D.	
34) 2-chloroethylvinylether	0.00			N.D.	
35) 4-methvl-2-pentanone	0.00			N.D.	
36) cis-1,3-dichloropropene	5.23			0.15 ug/L	# 2
38) toluene 39) trans-1,3-dichloropropene	0.00	) 75	~	N.D. N.D.	
40) 1,1,2-trichloroethane	0.00			N.D.	
43) 2-hexanone	0.0		,	N.D.	
<pre>44) 1,3-dichloropropane 45) tetrachloroethene</pre>	0.0		50	N.D.	
45) tetrachforoethene 46) dibromochloromethane	5.4	4 129	<u>^</u>		8
47) 1,2-dibromoethane	0.0		~	N.D. N.D.	
Agy chlorohenzene	0.0			N.D.	
49) 1,1,1,2-tetrachloroethane	6.4		1 4979	N.D.	L .
50) ethylbenzene 51) m+p xylene	6.5		6 51731		L
51) m+p xyrene 52) o-xylene	6.8	4 10	0	N.D. N.D.	
53) styrene	0.0	0 10	4 0	FA + FA +	

(QT Reviewed) Quantitation Report Data File : C:\MSDCHEM\1\DATA\0109\011209\01120925.D vial: 25 Acq On : 12 Jan 2009 7:37 pm Operator: Inst : GCMSV4 : 290082.09 1g Sample Multiplr: 1.00 Misc 1 MS Integration Params: events.e Quant Results File: VS010909.RES Quant Time: Jan 13 10:09:22 2009 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
<pre>54) bromoform 56) isopropylbenzene 57) 1,1,2,2-tetrachloroethane 58) 1,2,3-trichloropropane 59) n-propylbenzene 60) bromobenzene 61) p-ethyltoluene 62) 1,3,5-trimethylbenzene 63) 2-chlorotoluene 64) 4-chlorotoluene 65) tert-butylbenzene 66) 1,2,4-trimethylbenzene 67) sec-butylbenzene 68) 4-isopropyltoluene 69) 1,3-dichlorobenzene 70) 1,4-dichlorobenzene 71) 1,2,3-trimethylbenzene 72) n-butylbenzene 73) p-diethylbenzene 74) 1,2-dichlorobenzene 75) 1,2,4,5-tetramethylbenzene 76) 1,2-dibromo-3-chloropropan 77) 1,2,4-trichlorobenzene 78) hexachlorobutadiene</pre>	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	173 105 83 75 91 156 105 120 126 134 105 105 119 146 105 119 146 105 119 146 105 120 120 126 134 105 119 146 105 120 120 120 120 126 134 105 105 119 146 105 120 120 120 120 126 120 126 134 105 105 119 146 105 120 119 146 105 120 120 120 120 120 126 120 126 126 126 120 126 126 126 126 126 134 105 105 119 1466 119 1460 119 1460 119 1460 119 1460 119 1460 119 1460 119 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 157 1800 225		N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D.	Qvalue
79) naphthalene 80) 1,2,3-trichlorobenzene	0.0	) 180	0	N.D.	

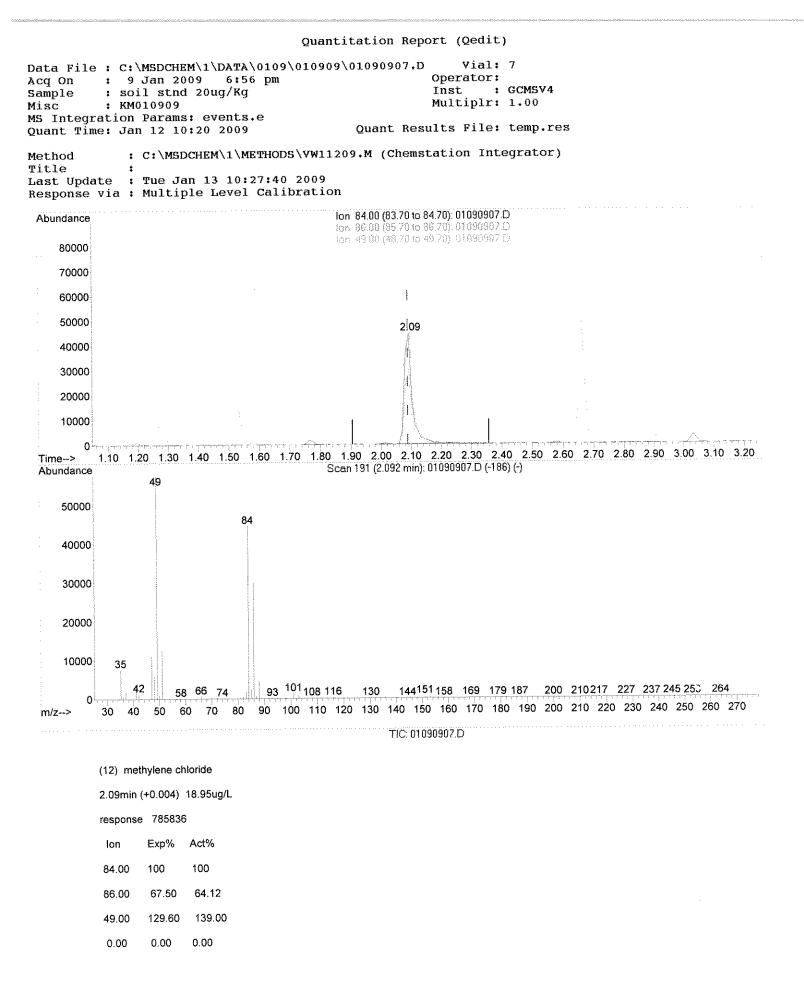
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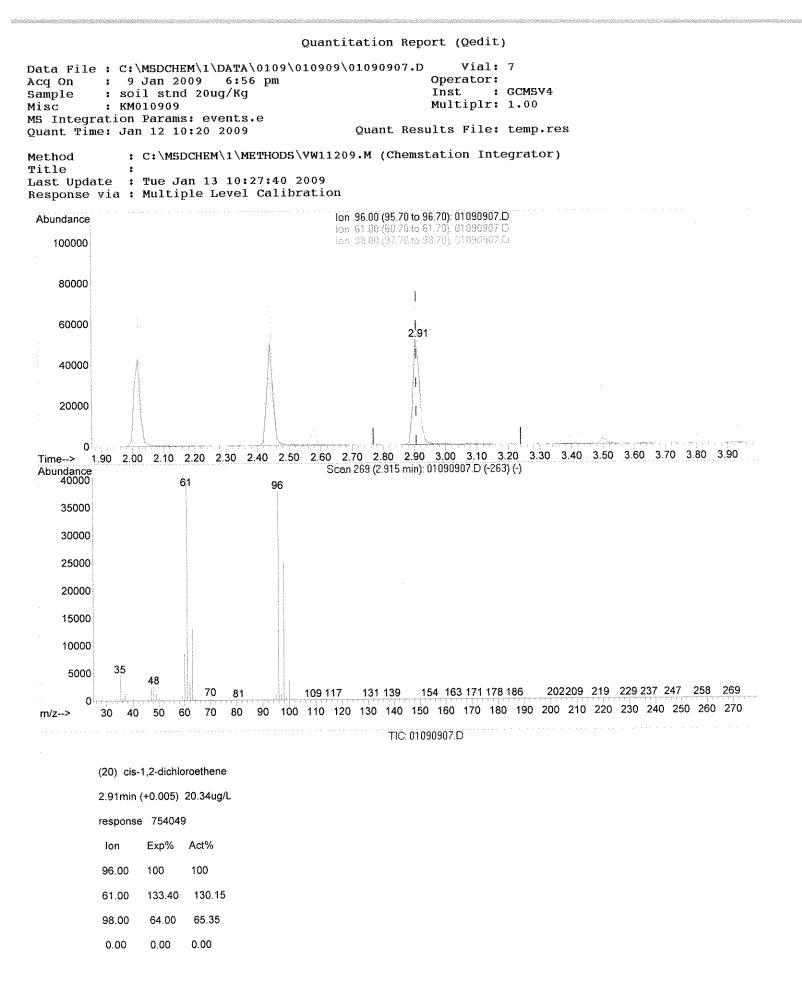
Qu	antit	ation	Report	(QT Rev	iewed	)
Data File : C:\MSDCHEM\1\DATA\0109\ Acq On : 12 Jan 2009 7:37 pm Sample : 290082.09 1g Misc :	01120		J	Vial: Operator: Inst : Multiplr:	GCMSV 1.00	
MS Integration Params: events.e Quant Time: Jan 13 11:25:22 2009				lts File:		
Quant Method : C:\MSDCHEM\1\METHODS Title : Last Update : Tue Jan 13 11:21:35 Response via : Initial Calibration DataAcq Meth : VOAN182		.0909A	.M (Chem			
Internal Standards	R.T.	QIon	Respons			ev(Min)
<ol> <li>pentafluorobenzene</li> <li>1,4-difluorobenzene</li> <li>chlorobenzene-d5</li> <li>1,4-dichlorobenzene-d4</li> </ol>	3.94 6.22	168 114 82 152	1890575	50.00 50.00	ug/L ug/L ug/L ug/L	0.00
System Monitoring Compounds 4) 1,2-dichloroethane-d4 5) toluene-d8 6) 4-bromofluorobenzene		102 98 174		2 49.55	ug/L ug/L ug/L	
Target Compounds 2) methylene chloride	2,09	84	6304	1m 0.16	5 ug/L	Qvalue

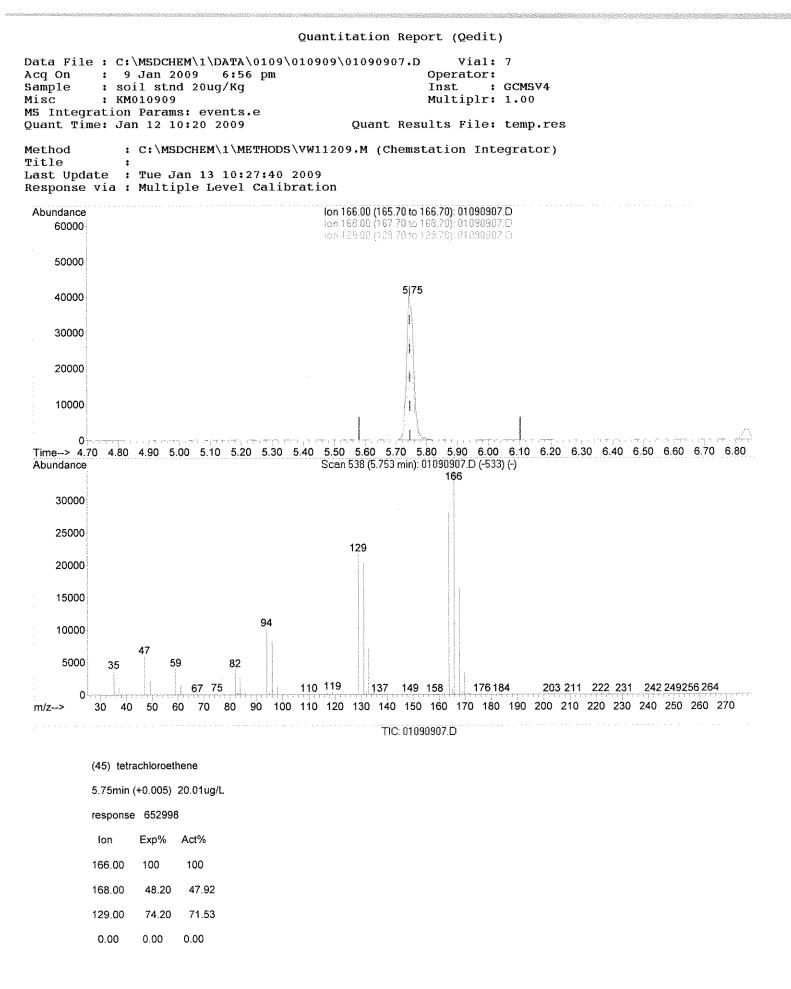
موهل المحاد بواج كالان بحول الله جوب اللك ويوب اللك ويوب اللك ويوب اللك عادي بوب اللك يوب الله المراد

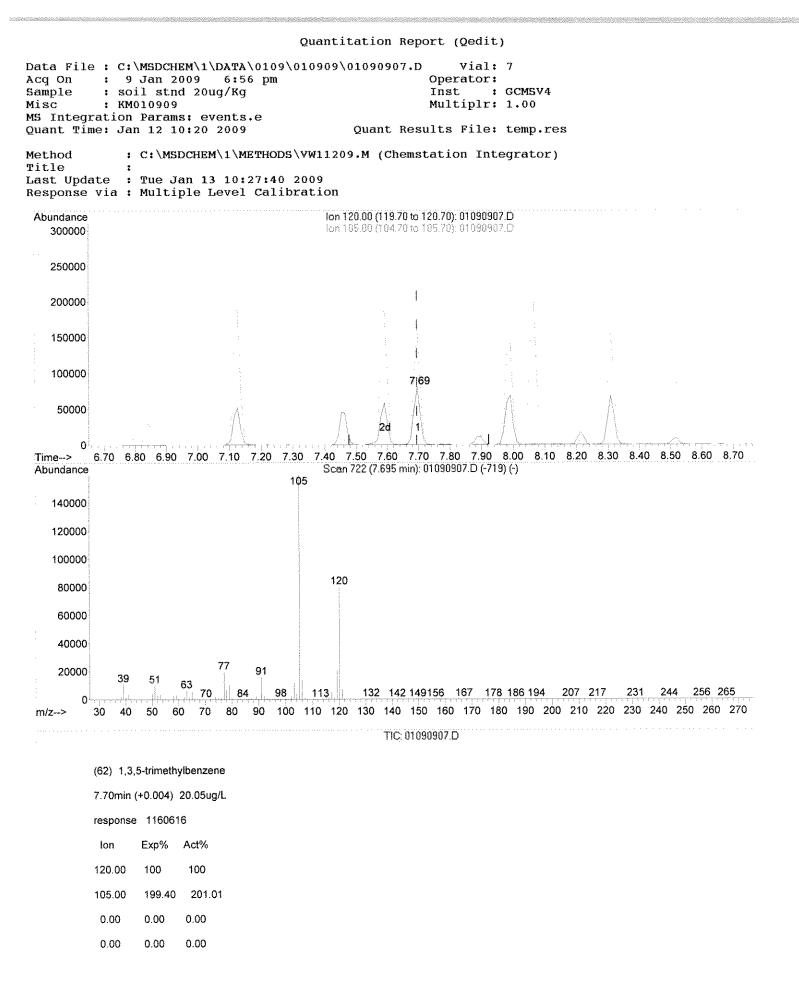
СНЕМ\ 2009 •09 1	events.e Quant Results Fil 10 2009	C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)	Jan 12 10:09:05 2009 tial Calibration								ən: 2.9b 5.9r 5	iauloł čb-ənəsı nesnedo moirfoib-	ioufiib-4, nedotoli noufiom t4, f	رام بهریه مرجه مرحه	ente bitide annotation and an annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de la constant annotation de	itomethi bone Jon disul luene luene bronoch luene bronoch	brc brc brc brc brc brc brc brc brc brc	4 Ex 2 M 2 E0 3 M 3 E0 4.00 4.50 5.00 5.50 6.00 6.50 7.00 7.50 8.00 8.50 9.00 9.50 10.00 10.50 11.00 11.50 12.00
C:\MSDCHEM\1\DATA\07 12 Jan 2009 7:37 ] 290082.09 19	MS Integration Params: events.e Quant Time: Jan 13 10:10 2009	: C:\MSDCHEM\1\MET	: Mon Jan 12 10:09 : Initial Calibrat			 	 agana ana 19 da ta	man or white for mails	10711.400-90-0 ⁰ 0000.1777.0	216-9-002101-3120-000	Mark 2 MTT JAMES AND THE STOCK			hane	905	900	ace broi	U c

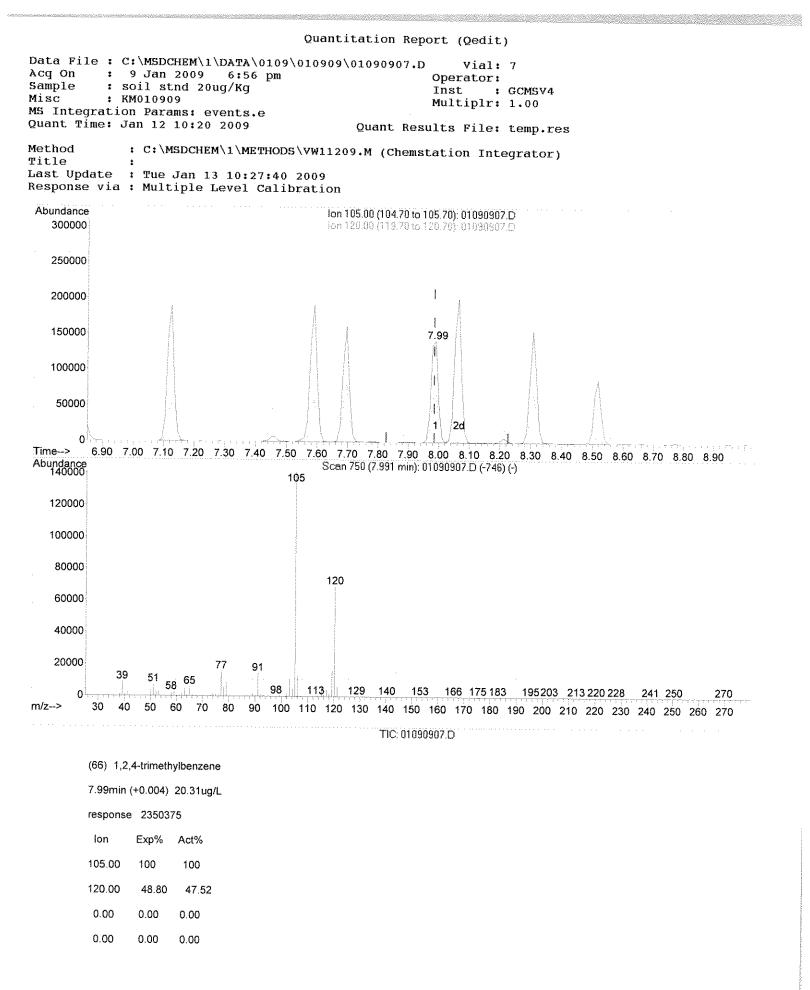
Standard Spectra for Positive Hits

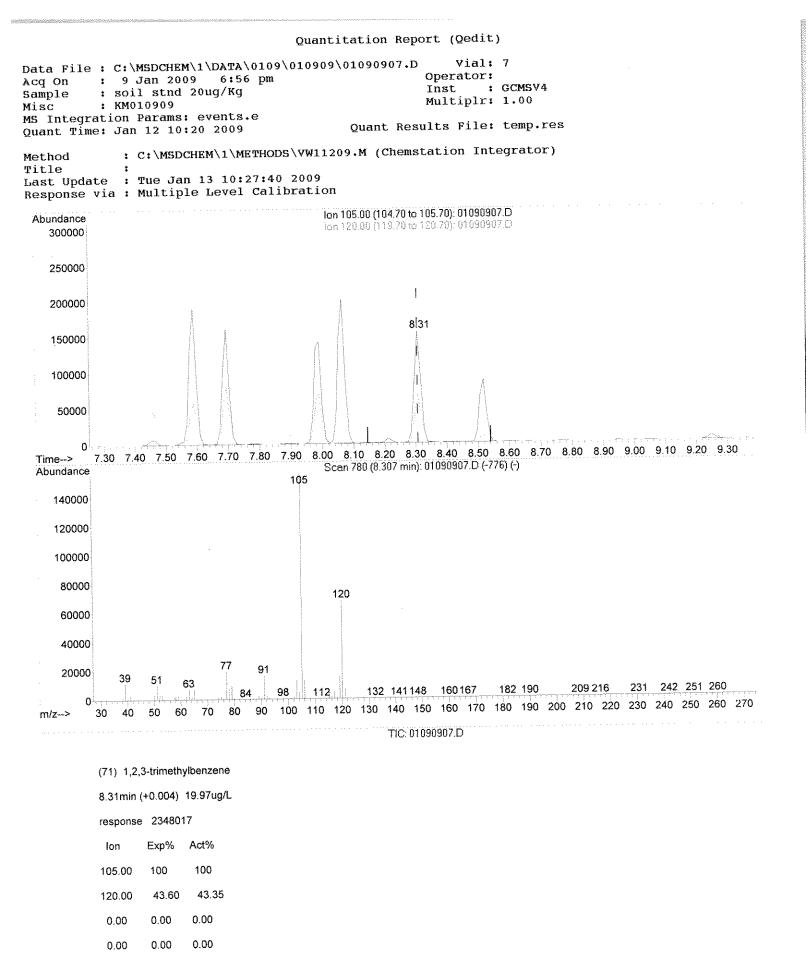






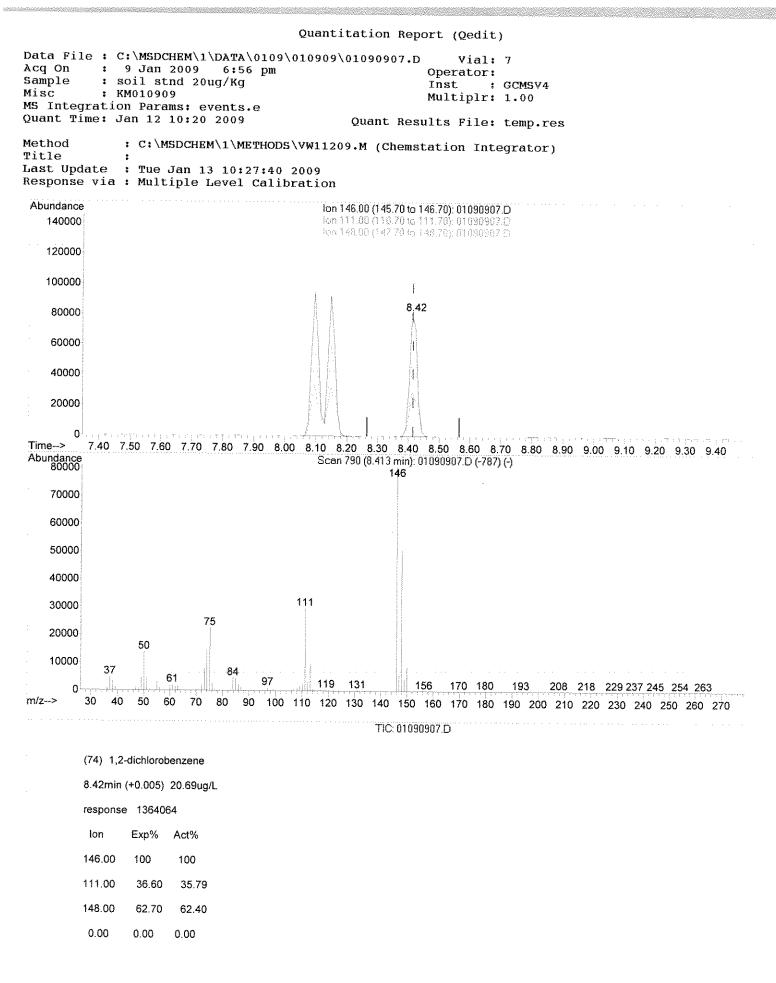


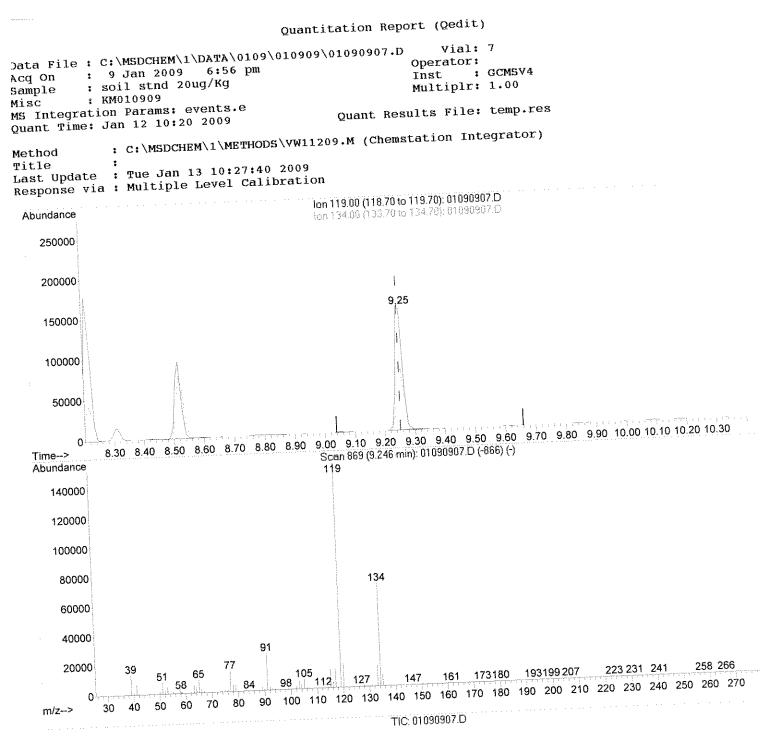




01090907.D VW11209.M Wed Jan 14 17:24:41 2009 GCMSV4

Page 374





- (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
 Group:
 Group:

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

	SPIKE	MSD	MS	I			
	ADDED	CONCENTRATION	%	%	QC L	IMITS	
COMPOUND	(ug/L)	(ug/L)	REC #	RPD #	RPD	RE	D.
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:

FORM III VOA-1

3/90

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 t 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 R.T. QION Response Conc Units Dev(Min) Internal Standards 1) pentafluorobenzene3.394) 1,4-difluorobenzene3.94 168 2938223 50.00 ug/L 0.00 24) 1,4-difluorobenzene 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 Ω N.D. 6) bromomethane 1.60 0.40 ug/L 96 7211m 7) chloroethane 0.00 б4 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 10743m 58 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 8654m 83 0.23 ug/L 33) dibromomethane 0.00 93 0 N.D. 34) 2-chloroethylvinylether 0.00 0 63 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 0.00 107 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. 6.58 106 51) m+p xylene 5173m 0.11 ug/1 52) o-xylene 6.84 106 3484 N.D. 53) styrene 0.00 104 0 N.D. -----------(#) = qualifier out of range (m) = manual integration

01120925.D VS010909.M Wed Jan 14 17:28:58 2009

GCMSV4

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Quantitation Report (QT Reviewed) Data File : C:\MSDCHEM\1\DATA\0109\011209\01120925.D Vial: 25 : 12 Jan 2009 7:37 pm Acq On Operator: Sample : 290082.09 1q 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.	
			75		N.D.	
59)	n-propylbenzene	0.00	91	0	N.D.	
60)		0.00	156	0	N.D.	
	p-ethyltoluene	0.00	105	0	N.D.	
62)	1,3,5-trimethylbenzene	0.00	120		N.D.	
63)		0.00	126	0	N.D.	
64)	4-chlorotoluene	0.00	126	0	N.D.	
		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.	
	1,4-dichlorobenzene		146	0	N.D.	
71)	1,2,3-trimethylbenzene	0.00	105	0	N.D.	
72)	n-butylbenzene			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.	

Q	uanti	tation	Report	(QT Re	viewe	d)
Data File : C:\MSDCHEM\1\DATA\0109 Acq On : 12 Jan 2009 7:37 pm Sample : 290082.09 1g Misc : MS Integration Params: events.e Quant Time: Jan 13 11:25:22 2009 Quant Method : C:\MSDCHEM\1\METHOD: Title :		Qu	Op In Mu ant Result	erator: st : ltiplr: s File:	GCMS 1.00 VS01	0909A.RES
Last Update : Tue Jan 13 11:21:35 Response via : Initial Calibration DataAcq Meth : VOAN182 Internal Standards	·	Olon	Response	Conc. III	nita 1	Doy (Min)
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1) pentafluorobenzene	3.39	168	2938223	50.00	uq/L	0.00
			4282931		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	<u>πα/Γ</u>	0.00
5) toluene-d8			5059392			
6) 4-bromofluorobenzene			1312345	45.62		
Target Compounds 2) methylene chloride	2.09	84	63041m	0.16	ug/L	Qvalue

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Q	uanti	tation	Report	(QT Reviewed)	)
Data File : C:\MSDCHEM\1\DATA\0109 Acq On : 12 Jan 2009 7:59 pm Sample : 290082.09 1g +20MS Misc : KM011209 MS passed KM	\0112	09\011	Op In	Vial: 26 erator: st : GCMSV4 ltiplr: 1.00	1.
MS Integration Params: events.e Quant Time: Jan 13 09:29:58 2009		Qu		s File: VS0109	09.RES
Quant Method : C:\MSDCHEM\1\METHOD	5\VS0	10909.	M (Chemsta	tion Integrate	or)
Title : Last Update : Mon Jan 12 10:09:05 Response via : Initial Calibration	2009				
DataAcq Meth : VOAN182					
Internal Standards	R.T.	QION	Response	Conc Units De	ev(Min)
1) pentafluorobenzene 24) 1,4-difluorobenzene	3.39			50.00 ug/L 50.00 ug/L	0.00
42) chlorobenzene-d5	6.22			50.00 ug/L 50.00 ug/L	0.00
55) 1,4-dichlorobenzene-d4	8.13		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		5358226	49.99 ug/L	0.00
41) 4-bromofluorobenzene	7.14	174	1554795	48.39 ug/L	0.00
Target Compounds				ç	value
2) dichlorodifluoromethane	1.20	85	686928	19.14 ug/L	97
3) chlorodifluoromethane	1.17			19.13 ug/L	99
4) chloromethane	1.27		839335	20.93 ug/L #	
5) vinyl chloride 6) bromomethane	1.33		906348 385160	20.66 ug/L	99
7) chloroethane	1.53		514780	19.78 ug/L 20.44 ug/L	99 99
8) trichlorofluoromethane	1.77		1032632	20.44 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
<pre>14) tert-butylmethylether 15) trans-1,2-dichloroethene</pre>	2.50 2.44	73 96	1390950 600753	19.22 ug/L # 20.61 ug/L	¥ 98 100
16) vinyl acetate	2.66	43		87.65 ug/L	100
17) 1,1-dichloroethane	2.57		1184427	21.36 ug/L	99
18) methyl ethyl ketone	2.82		280083	99.18 ug/L ≴	
19) 2,2-dichloropropane	3.08	77	740273	20.54 ug/L	99
20) cis-1,2-dichloroethene	2.91		689884	20.56 ug/L	97
21) chloroform	3.03	83	1199080	20.98 ug/L	100
<pre>22) bromochloromethane 23) 1,1,1-trichloroethane</pre>	3.00	128 97	330600 914571	20.20 ug/L 20.46 ug/L #	83 ≠ 87
25) 1,1-dichloropropene	3.62	75	840518	21.52 ug/L	· 87 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 32) bromodichloromethane	4.16	63	639741	21.24 ug/L	98
33) dibromomethane	4.22	83 93	851664 354511	21.09 ug/L 21.98 ug/L	97 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 43) 2-hexanone	5.08 5.40	83 43	395318 1830029	20.48 ug/L 102.46 ug/L	99 99
44) 1,3-dichloropropane	5.26	45 76	903413	21.28 ug/L	99
45) tetrachloroethene	5.75	166	626532	21.20 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 #	
50) ethylbenzene 51) m+p xylene	6.40 6.55	91 106	2832813 2151525	21.20 ug/L 42.08 ug/l	98 96
52) o-xylene	6.85	106	1137232	42.08 ug/1 21.72 ug/L	98
53) styrene	6.79	104	1729762	20.54 ug/L	91
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100.32

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: : 290082.09 1g +20MS : KM011209 MS passed KM Sample Inst : GCMSV4 Misc 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 Title 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
	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
	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

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: : 290082.09 1g +20MS : KM011209 MS passed KM Sample Inst : GCMSV4 Misc 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) pentafluorobenzene3.39168309414650.00 ug/L3) 1,4-difluorobenzene3.93114443710250.00 ug/L7) chlorobenzene-d56.2282201867550.00 ug/L 0.00 50.00 ug/L 0.00 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 5.18 98 5) toluene-d8 5358032 50.65 ug/L 0.00 6) 4-bromofluorobenzene 7.14 174 1554795 52.16 ug/L 0.00 Target Compounds Qvalue 2.09 84 772672 19.34 ug/L 2) methylene chloride 94

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row supported from report (2% Reviewed)	<pre>\01120926.D Vial: 26 Operator: Inst : GCMSV4 Multiplr: 1.00 Quant Results File: VS010909.RES</pre>	5010909.M (Chemstation Integrator) 09 TIC:01120926.D								S*	,8b-ənəvic čb-t ər	izene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene bisorene 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<ul> <li>State of the state /li></ul>	Data File : C:\MSDCHEM\1\DATA\0109\011209 Acq On : 12 Jan 2009 7:59 pm Sample : 290082.09 1g +20MS Misc : KM011209 MS passed KM MS Integration Params: events.e Quant Time: Jan 13 9:30 2009	Method : C:\MSDCHEM\1\METHODS\VS010 Title : Last Update : Mon Jan 12 10:09:05 2009 Response via : Initial Calibration Abundance	2800000	260000	2400000	2200000	5000000	arrunacau/resulting	1600000	00000 00000 00000000000000000000000000	00000 00000 (textored03td	म्ह्रव्	១៧ ១៧ខ្ ១៧១ ១៧១ ១៧១ ១៧១ ១៧១ ១៧១ ១៧១ ១៧១ ១៧	O O O O O O O O O O O O O O O O O O O		All All All All All All All All All All	0	01120926.D VS010909.M Wed Jan 14 17:29

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		Quantit	ation	Report	(QT Rev	viewed)	
1	Data File : C:\MSDCHEM\1\DATA\010			_	Vial:		
	Acq On : 12 Jan 2009 8:21 pm			Op	erator:		
	Sample : 290082.09 1g +20MSD Misc : KM011209 MSD passed K	***				GCMSV4	Ļ
	Misc : KM011209 MSD passed K MS Integration Params: events.e	1.1.1		MU	ltiplr:	T+00	
	Quant Time: Jan 13 09:28:59 2009		Qu	ant Result	s File:	VS0109	09.RES
	Quant Method : C:\MSDCHEM\1\METHO	DS\VS01	L0909.	M (Chemsta	tion Int	egrato	)r)
۰.	Title : Last Update : Mon Jan 12 10:09:0	5 2009					
	Response via : Initial Calibratic						
	DataAcq Meth : VOAN182						
	Internal Standards	R.T.	QION	Response	Conc Ur	its De	≥v(Mín)
	1) pentafluorobenzene	3.39	168	3106144	50.00		0.00
	24) 1,4-difluorobenzene	3.93		4531327		ug/L	
	42) chlorobenzene-d5 55) 1,4-dichlorobenzene-d4	6.22 8.13		2079686 2348019	50.00 50.00	ug/L	0.00
	55) 1,4-dichiolobenzene-d4	0+13	152	2340019	50+00	ug/ш	0.00
	System Monitoring Compounds 27) 1,2-dichloroethane-d4	3.39	102	315034	50.71	na/1.	0.00
	37) toluene-d8	3.39	102		50.71 49.59		0.00
	41) 4-bromofluorobenzene	7.14	174	1555418	47.41		0.00
	Bargat Compounds					,	value
i i	Target Compounds 2) dichlorodifluoromethane	1.20	85	690037	19.15	uq/L ∦	
	3) chlorodifluoromethane	1.17	51	911144	19.16	ug/L	98
	4) chloromethane	1.27	50	829747	20.60		97
	5) vinyl chloride	1.33	62	879303	19.96		97
	6) bromomethane 7) chloroethane	1.48 1.53	96 64	420313 538067	21.46 21.29		92 97
	8) trichlorofluoromethane	1.77	101	1049894	20.87		97
	9) freon	2.12	151	513940	20.49	ug/L	100
	10) acetone	1.81	58	237295	110.94		95
	11) 1,1-dichloroethene 12) methylene chloride	$2.01 \\ 2.09$	96 84	536695 765214	20.84 20.70		87 94
	13) carbon disulfide	2.20	76	2127793	21.14		100
	14) tert-butylmethylether	2.50	73	1469611		ug/L ∦	
	15) trans-1,2-dichloroethene	2.44	96	621653	21.24		98
	16) vinyl acetate	2.66	43		89.51		100 99
	17) 1,1-dichloroethane 18) methyl ethyl ketone	2.57	63 72	1201753 305760	21.59 107.75		99 97
÷.	19) 2,2-dichloropropane	3.08	77	766610	21.18		99
	20) cis-1,2-dichloroethene	2.91	96	708384	21.03		97
	21) chloroform	3.03	83	1204920	21.00		100
	22) bromochloromethane 23) 1,1,1-trichloroethane	3.00 3.50	128 97	332571 945811	20.24	ug/ь ug/ь #	85 ≠ 84
	25) 1,1-dichloropropene	3.62	75	831245	20.85		r 04 99
	26) carbon tetrachloride	3.73	119	824797	21.45		98
	28) 1,2-dichloroethane	3.44	62	767955		ug/L #	
	29) benzene	3.76	78	2610850	21.47		97
	30) trichloroethene 31) 1,2-dichloropropane	4.19 4.16	95 63	622162 649674	20.57 21.12		99 98
	32) bromodichloromethane	4.22	83	847681	20.56		98
	33) dibromomethane	4.13	93	353119	21.45	ug/L	93
	34) 2-chloroethylvinylether	4.54	63	256288		ug/L #	
	<pre>35) 4-methyl-2-pentanone 36) cis-1,3-dichloropropene</pre>	4.77 4.67	43 75	2854861 846157	106.91 19.93		96 96
	38) toluene	4.07 5.23	75 91	2781556	21.32	<u> </u>	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		95
	43) 2-hexanone	5.40	43	1940035	105.42	- ·	99
	44) 1,3-dichloropropane 45) tetrachloroethene	5.26 5.75	76 166	923352 613807	21.11 20.24		96 95
	46) dibromochloromethane	5.44	129	622245	21.10		97
	47) 1,2-dibromoethane	5.61	107	510970	21.20	ug/L	97
	48) chlorobenzene	6.24	112	1700648	21.04		96
	49) 1,1,1,2-tetrachloroethane	6.19	131	591626	21.38 20.83	ug/L ∦	¥ 1 99
	50) ethylbenzene 51) m+p xylene	6.40 6.55	91 106	2867013 2163911	20.83 41.09		99 97
				بقديف فراسه مراسمه			
	52) o-xylene	6.85	106	1114768	20.66		100

Quantitation Report (QT Reviewed) Data File : C:\MSDCHEM\1\DATA\0109\011209\01120927.D Vial: 27 : 12 Jan 2009 8:21 pm Acq On Operator: : 290082.09 1g +20MSD : KM011209 MSD passed KM Sample Inst : GCMSV4 Misc 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	7
56)	isopropylbenzene	7.13	105	2787757	21.52 ug/L	99	9
57)	1,1,2,2-tetrachloroethane	6.83	83	614083	21.34 ug/L	93	3
	1,2,3-trichloropropane	6.94	75	463677	22.06 ug/L	96	5
59)	n-propylbenzene	7.46	91	3094062	21.07 ug/L	99	9
60)	bromobenzene	7.28	156	681043	20.71 ug/L	# 86	5
	p-ethyltoluene	7.59	105	2787223	21.16 ug/L	99	9
62)	1,3,5-trimethylbenzene	7.70	120	1130279	21.21 ug/L	100	0
63)	2-chlorotoluene	7.52	126	675693	21.49 ug/L	92	2
64)	4-chlorotoluene	7.58	126	684130	20.94 ug/L	76	5
65)	tert-butylbenzene	7.90	134	513126	21.51 ug/L	91	L
66)	1,2,4-trimethylbenzene	7.99	105	2247244	21.09 ug/L	100	9
67)	sec-butylbenzene	8.07	105	2980340	21.53 ug/L	99	9
68)	4-isopropyltoluene	8.22	119	2488391	21.67 ug/L	97	7
69)	1,3-dichlorobenzene	8.10	146	1315198	20.57 ug/L	94	4
70)	1,4-dichlorobenzene	8.15	146	1382528	21.50 ug/L	99	9
71)	1,2,3-trimethylbenzene	8.31	105	2286225	21.13 ug/L	99	9
72)	n-butylbenzene	8.53	92	1203924	21.91 ug/L	# 80	0
73)	p-diethylbenzene	8.52	119	1387860	21.26 ug/L	96	δ
74)	1,2-dichlorobenzene	8.42	146	1260418	20.79 ug/L	96	6
75)	1,2,4,5-tetramethylbenzene	9.25	119	2600720	21.28 ug/L	94	1
76)	1,2-dibromo-3-chloropropan	8.78	157	105645	20.43 ug/L	94	4
77)	1,2,4-trichlorobenzene	9.84	180	663052	21.95 ug/L	97	7
78)	hexachlorobutadiene	10.10	225	351598	21.34 ug/L	97	7
79)	naphthalene	10.03	128	1410482	23.13 ug/L	98	8
80)	1,2,3-trichlorobenzene	10.19	180	578136	22.49 ug/L	91	l

### (#) = qualifier out of range (m) = manual integration (+) = signals summed 01120927.D VS010909.M Wed Jan 14 17:29:09 2009 GCMSV4

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: : 290082.09 1g +20MSD Inst : GCMSV4 Sample : KM011209 MSD passed KM Misc 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 Title Response via : Initial Calibration DataAcq Meth : VOAN182 Internal Standards R.T. QION Response Conc Units Dev(Min) 1) pentafluorobenzene3.39168310614450.00 ug/L3) 1,4-difluorobenzene3.93114453132750.00 ug/L 0.00 3) 1,4-difluorobenzene
7) chlorobenzene-d5 0.00 6.22 82 2079686 50.00 uq/L 0.00 8.13 152 2348019 50.00 ug/L 8) 1,4-dichlorobenzene-d4 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

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# **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				Lower control	Upper control	
	Source	Target	Result	Limit	Limit	
		(ug/L)	(ug/L)	(ug/L)	(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	$\square$
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	<b></b>
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	Γ
Tetrachloroethene	(1)	10	11.5	6.3	12.2	<b>—</b>
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	I		1	Upper control	Lower Control	
	Source	Target	Result	Límit	Limit	
		(ug/L)	(ug/L)	(ug/L)	(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-lsoproyitoluene	(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.

Data File : C:\USBCRUMM\IDEX\0109\011209\0112090.D         Vil : F           Acq On : : IMD00608 (c) passed KM         Dest. : CCMSV4           Misc : : M001608 (c) passed KM         Multiplr: 1.00           Wisc : : M001608 (c) passed KM         Multiplr: 1.00           Quant Time(Tail)         Quant Results File: V5010909.MS5           Quant Method : C:\USBCRUMN\IMETHODS\VS010909.M (Chemstation Integrator)         Title           Title : : : Mislical Calibration         Desconse : Conc Units Dev(Min)           Desconse : : Mislical Calibration         Desconse : Conc Units Dev(Min)           Title : : : : : : : : : : : : : : : : : : :	Q	uantit	ation	Report	(QT Reviewed)	
Quant Method : C:\MSDCHEM\1\METHODS\YS01099.M (Chemstation Integrator)           Title         :           Last Update : Mon Jan 12 10:09:05 2009           Response via : Initial Calibrution           DataAcq Meth : VOAH182           Internal Standards         R.T. Qion Response Conc Units Dev(Min)           1 pentafluorobenzene         3.33           J. pentafluorobenzene         3.33           Statag Method         50.00 ug/L         0.00           24) 1,4-difluorobenzene-ds         6.21         62 205239         50.00 ug/L         0.00           55) 1,4-dichlorobenzene-d4         8.13         152 2507394         50.00 ug/L         0.00           7) 1,2-dichlorobenzene         7.14         174 1701297         48.15 ug/L         0.00           7) 1,1-dichlorobenzene         7.14         174 1701297         48.15 ug/L         0.00           7) 1,1-dichloromethane         1.20         85 472472         12.02 ug/L #         97           3) chlorodifluoromethane         1.27         54 43517         10.59 ug/L #         96           2) dichorodifluoromethane         1.27         15 438517         10.59 ug/L #         97           3) chlorodifluoromethane         1.26         63 472472         12.02 ug/L #         97	Acq On : 12 Jan 2009 1:24 pm Sample : reference 10ug/Kg Misc : MN010608 qc passed KM MS Integration Params: events.e	\01120		Op In Mu	erator: st : GCMSV4 ltiplr: 1.00	
Title       i         Last Update : Mon Jan 12 10:09:05 2009         Response via : Initial Calibration         DataAcq Meth : VOANB22         Internal Standards       R.T. Qion Response Conc Units Dev(Min)         1) pentafluorobenzene       3.9 168 3385739       56.00 ug/L 0.00         22; chiorobenzene-ds       6.9 114 3860024       50.00 ug/L 0.00         55; 1,4-dichlorobenzene-ds       8.13 152 2507394       50.00 ug/L 0.00         57; 1,2-dichlorobenzene-d4       8.13 152 2507394       50.00 ug/L 0.00         71; Lolene-d8       5.17 98 5813792       49.32 ug/L 0.00         71; Lolene-d8       5.17 98 5813792       49.32 ug/L 0.00         71; Lolene-d8       5.17 98 5813792       49.32 ug/L 0.00         71; dichlorodifluoromethane       1.20 85 472472       12.02 ug/L 497         72; dichlorodifluoromethane       1.27 51 640658       11.72 ug/L 97         73; chlorodifluoromethane       1.27 51 6436517       10.99 ug/L 499         74; chloromethane       1.44 92 226362       97.17 ug/L 99         75; ving1 chloride       2.09 84 461854       8.91 ug/L 89         76; bronochlone       1.61 53 226362       97.17 ug/L 99         77; dichloroptene       2.61 1320491       9.64 ug/L 90         76; chloroptene       2.61	Quant Time: Jan 12 13:37:21 2009		Qu	ant Result	s File: VS010909	.RES
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           25)         1,4-dichlorobenzene-d4         8.13         152         2507394         50.00         ug/L         0.00           5ystem Monitoring Compounds         271         1,2-dichlorochane-d4         3.39         102         349889         52.31         ug/L         0.00           371         theomofluorobenzene         7.11         17         17         98         50.372         44.32         ug/L         0.00           371         theomofluorobenzene         7.17         98         50.17         98         51.73         98         51.73         99         0.00           310         theomofluorobenzene         7.17         14         1701         194         94         94         94         94         94         94         94         94         94         94         94         94         94         94         94         94         9	Title : Last Update : Mon Jan 12 10:09:05 Response via : Initial Calibration	2009	10909.	M (Chemsta	tion Integrator;	)
1) pentafluorobenzene       3.39       168       3385739       50.00       ug/L       0.00         42) 1/4-difluorobenzene-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         7) 1,2-dichlorobethane-d4       3.19       102       349889       52.31       ug/L       0.00         7) 1,2-dichlorobethane-d4       5.17       98       513792       49.22       ug/L       0.00         7) 1,2-dichlorobethane       1.20       85       472472       12.02       ug/L       97         2) dichlorodifluoromethane       1.27       50       483617       10.99       ug/L       90         2) dichlorodifluoromethane       1.33       62       509104       10.55       ug/L       90         3) dibromethane       1.48       64       274433       9.93       ug/L       97         3) dibromethane       1.64       64       274433       9.3       91       91       0       acetone       10.55       10.45       ug/L       90         3) dibromethane       1.65       224532       97.17       ug/L       91<	Internal Standards		QIon	Response	Conc Units Dev	(Min)
24)       1,4-difluorobenzene       3.93       114       4880024       50.00       ug/L       0.00         55)       1,4-dichlorobenzene-d4       8.13       152       2507394       50.00       ug/L       0.00         System Monitoring Compounds       77       1,2-dichloroothane-d4       3.39       102       349989       52.31       ug/L       0.00         37)       toluene-d8       5.17       98       5813792       49.32       ug/L       0.00         71       toluene-d8       7.14       174       1701297       48.15       ug/L       0.00         73       chlorodifluoromethane       1.27       50       483617       10.99       ug/L       97         3       chloromethane       1.37       50       483617       10.99       ug/L       97         5       vinyl chloride       1.33       62       509104       10.55       ug/L       99         6       bromomethane       1.46       64       274433       93       ug/L       97         7       ulchoroethane       1.61       58       226362       97.17       ug/L       91         9       freon       2.12       51       362744<	ti nontafluorahongong	3 36	168	3385739	50.00 ug/L	0.00
42)       Chlobolenzene-d4       5.21       82       2202239       50.00       ug/L       0.00         System Monitoring Compounds       3.39       102       349989       52.31       ug/L       0.00         37)       1,2-dichloroethane-d4       3.39       102       349989       52.31       ug/L       0.00         41)       4-bromofluorobenzene       7.14       174       1701297       48.15       ug/L       0.00         41)       4-bromofluorobenzene       7.14       174       1701297       48.15       ug/L       0.00         7)       chlorodifluoromethane       1.20       85       472472       12.02       ug/L       9         7)       chlorodifluoromethane       1.21       85       472472       12.02       ug/L       9         7)       chloroethane       1.33       62       509104       10.55       ug/L       90         5)       vinyl chloromethane       1.44       96       216534       10.26       ug/L       91         11       1.1-dichloroethane       2.17       10       59144       10.80       ug/L       91         12       metohane       1.81       52       26322 <td< td=""><td>24) 1.4-difluorobenzene</td><td>3.93</td><td>114</td><td>4880024</td><td>50.00 ug/L</td><td>0.00</td></td<>	24) 1.4-difluorobenzene	3.93	114	4880024	50.00 ug/L	0.00
System Monitoring Compounds         3.39         102         349889         52.31         ug/L         0.00           37) toluene-ds         5.17         98         5813792         49.32         ug/L         0.00           11         4-bromofluorobenzene         7.14         174         1701297         48.15         ug/L         0.00           Target Compounds         Ovalue         0.17         51         610558         11.22         ug/L         #         97           3) chlorodifluoromethane         1.17         51         610558         10.29         ug/L         #         97           4) chloromethane         1.33         62         509104         10.55         ug/L         97           5) vinyl chloride         1.38         62         50104         10.23         ug/L         97           6) bromomethane         1.71         101         591444         10.80         10.23         ug/L         97           10         acctone         1.81         58         226362         97.17         10.21         10.3           11         1.1         61         220         76         142049         10.45         10.0           11         1.1 <td>42) chioropenzene-d5</td> <td>0 • Z I</td> <td>82</td> <td>2205239</td> <td>50.00 ug/L</td> <td></td>	42) chioropenzene-d5	0 • Z I	82	2205239	50.00 ug/L	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	55) 1,4-dichlorobenzene-d4	8.13	152	2507394	50.00 ug/L	0.00
37)toluene-ds5.1798581379249.32ug/L0.0041)4-bromofluorobenzene7.14174170129748.15ug/L0.00Target CompoundsQvalue02)dichlorodifluoromethane1.208547247212.02ug/L#973)chloromethane1.475161065811.72ug/L#974)chloromethane1.489621653410.55ug/L975)vinylchloride1.336250910410.55ug/L976)bromomethane1.469621653410.22ug/L999)freon2.1215133627412.32ug/L9110)acetone1.815822636297.17ug/L9111)1.1-dichloroethene2.019632450911.59ug/L9113)carbon disulfide2.2076114204910.45ug/L9816)vinyl acetate2.664371921496.44ug/L10017)1.1-dichloroethane2.576365517810.83ug/L9618)methyl ethyl ketone2.627544906311.33ug/L9621)chloroform30.33869465511.13ug/L9522)bromochloromethane3.607544305510.4440/L96						
41)4-bromofluorobenzene7.14174170129748.15 $ug/L$ 0.00Target CompoundsQvalue2)dichlorodifluoromethane1.208547247212.0ug/L973)chlorodifluoromethane1.17516100005)vinylcolspan="4">colspan="4">Qvalue6)bromomethane1.17516)bromomethane1.17516)bromomethane1.17516)bromomethane1.17517)colspan="4">colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4"Colspan="4">Colspan=4						
Target Compounds Qvalue 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 438617 10.99 ug/L # 90 5) vinyl chloride 1.33 62 509104 10.55 ug/L 99 6) bromomethane 1.46 96 216534 10.26 ug/L 95 7) chloroethane 1.46 96 216534 10.26 ug/L 97 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-dichloroethane 2.01 96 324509 11.59 ug/L 91 12) methylene chloride 2.09 84 461854 8.91 ug/L 91 13) carbon disulfide 2.20 76 1142049 10.45 ug/L 98 15) trans-1,2-dichloroethene 2.44 96 378043 11.88 ug/L 98 15) trans-1,2-dichloroethane 2.57 63 655178 10.83 ug/L 96 18) methyl entryl ketone 2.57 63 655178 10.83 ug/L 96 18) methyl ethyl ketone 2.62 77 222715 91.56 ug/L 97 19 2,2-dichloropropane 3.08 77 42569 10.93 ug/L 99 22) bromochloromethane 3.00 128 171492 9.59 ug/L 97 23) 1,1-dichloroethane 3.00 74 25659 10.93 ug/L 99 22) bromochloromethane 3.66 77 448905 11.13 ug/L 99 23) trichloropthane 3.67 74 484057 11.22 ug/L 95 23) 1,2-dichloropthane 3.66 77 4484057 11.22 ug/L 95 23) 1,1-dichloropthane 3.66 77 448405 11.37 ug/L 99 23) bromochloromethane 3.66 77 484905 11.37 ug/L 98 25) 1,1-dichloropthane 3.67 78 484905 11.37 ug/L 98 25) 1,1-dichloropthane 3.66 97 501323 10.29 ug/L # 95 373281 11.52 ug/L 98 33) 1,2-dichloropthane 3.66 77 484905 11.37 ug/L 98 25) 1,1-dichloropthane 3.67 78 484905 11.37 ug/L 98 33) 1,2-dichloropthane 3.67 78 484905 11.37 ug/L 98 33) 1,2-dichloropthane 3.68 77 501323 10.29 ug/L # 95 33120.29 ug/L # 95 33120.29 ug/L # 95 33281 11.52 ug/L 98 33) 1,2-dichloropthane 4.19 95 373281 11.52 ug/L 98 33) 1,2-dichloropthane 4.19 2.33 13.10.43 ug/L 99 30 trichloromethane 4.13 33 188170 11.25 ug/L 98 33) trichloropthane 4.13 33 188170 11.25 ug/L 98 33) trichloropthane 4.22 83 463875 10.52 ug/L 98 33) trichloropthane 4.13 93 138170 11.25 ug/L 98 33) trichloropthane 5.26 76 500784 10.74 ug/L 98 33) trichloropthane 5.26 76 500784 10.74 ug/L 98 33) trichloropthane 5.26 76 500784 10.74 ug/L 98 33 tol						
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 95 7) chloroethane 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 99 100 acetone 1.81 58 226362 97.17 ug/L 91 111 1,1-dichloroethene 2.01 96 324509 11.59 ug/L 66 121 methylene chloride 2.09 84 461854 8.91 ug/L 91 131 acrbon disulfide 2.00 76 1142049 10.45 ug/L 98 151 trans-1,2-dichloroethene 2.65 73 772259 9.83 ug/L 79 16] yinyl acetate 2.66 43 7192914 96.44 ug/L 100 171 j.1-dichloroethene 2.82 72 282715 91.56 ug/L 97 181 methyl ethyl ethore 2.82 72 282715 91.56 ug/L 97 192 ,2-dichloroethene 3.08 77 425669 10.93 ug/L 97 193 ,2-dichloroethene 3.03 83 63 664655 11.33 ug/L 99 211 chloroform 3.03 83 684655 11.33 ug/L 99 221 chloroform 3.03 83 684655 11.31 ug/L 99 232 bromochloromethane 3.50 97 501323 10.29 ug/L # 75 231 j.1,1-trichloroethane 3.50 97 501323 10.29 ug/L # 98 243 j.2-dichloroethane 3.50 97 501323 10.29 ug/L # 99 254 j.2-dichloroethane 3.50 97 501323 10.29 ug/L # 99 255 j.1,2-dichloroethane 3.50 97 501323 10.29 ug/L # 99 251 j.1-dichloroethane 3.50 97 501323 10.29 ug/L # 99 251 j.1-dichloroethane 3.50 97 501323 10.44 ug/L 99 253 j.2-dichloroethane 3.50 97 501323 10.44 ug/L 99 253 j.2-dichloroethane 3.50 97 501323 10.44 ug/L 99 254 j.2-dichloroethane 3.50 97 501323 10.44 ug/L 99 255 j.1-dichloroethane 4.22 83 463875 11.37 ug/L 99 261 j.2-dichloroethane 4.22 83 463875 11.32 ug/L 99 263 j.2-dichloroethane 4.22 83 463875 11.45 ug/L 99 264 j.2-dichloroethane 4.22 83 463875 11.45 ug/L 99 265 j.2-dichloroethane 4.22 83 463875 10.44 ug/L 99 265 j.2-dichloroethane 4.22 83 463875 11.45 ug/L 99 266 j.2-dichloroethane 5.22 91 1015042m 7.19 ug/L 99 277 j.2-dichloroethane 5.22 91 1015042m 7.19 ug/L 99 278 j.2-dichloroethane 5.22 91 1015042m 7.19 ug/L 99 279 benz	41) 4-bromofluorobenzene	7.14	174	1701297	48.15 ug/L	0.00
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 95 7) chloroethane 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 99 100 acetone 1.81 58 226362 97.17 ug/L 91 111 1,1-dichloroethene 2.01 96 324509 11.59 ug/L 66 121 methylene chloride 2.09 84 461854 8.91 ug/L 91 131 acrbon disulfide 2.00 76 1142049 10.45 ug/L 98 151 trans-1,2-dichloroethene 2.65 73 772259 9.83 ug/L 79 16] yinyl acetate 2.66 43 7192914 96.44 ug/L 100 171 j.1-dichloroethene 2.82 72 282715 91.56 ug/L 97 181 methyl ethyl ethore 2.82 72 282715 91.56 ug/L 97 192 ,2-dichloroethene 3.08 77 425669 10.93 ug/L 97 193 ,2-dichloroethene 3.03 83 63 664655 11.33 ug/L 99 211 chloroform 3.03 83 684655 11.33 ug/L 99 221 chloroform 3.03 83 684655 11.31 ug/L 99 232 bromochloromethane 3.50 97 501323 10.29 ug/L # 75 231 j.1,1-trichloroethane 3.50 97 501323 10.29 ug/L # 98 243 j.2-dichloroethane 3.50 97 501323 10.29 ug/L # 99 254 j.2-dichloroethane 3.50 97 501323 10.29 ug/L # 99 255 j.1,2-dichloroethane 3.50 97 501323 10.29 ug/L # 99 251 j.1-dichloroethane 3.50 97 501323 10.29 ug/L # 99 251 j.1-dichloroethane 3.50 97 501323 10.44 ug/L 99 253 j.2-dichloroethane 3.50 97 501323 10.44 ug/L 99 253 j.2-dichloroethane 3.50 97 501323 10.44 ug/L 99 254 j.2-dichloroethane 3.50 97 501323 10.44 ug/L 99 255 j.1-dichloroethane 4.22 83 463875 11.37 ug/L 99 261 j.2-dichloroethane 4.22 83 463875 11.32 ug/L 99 263 j.2-dichloroethane 4.22 83 463875 11.45 ug/L 99 264 j.2-dichloroethane 4.22 83 463875 11.45 ug/L 99 265 j.2-dichloroethane 4.22 83 463875 10.44 ug/L 99 265 j.2-dichloroethane 4.22 83 463875 11.45 ug/L 99 266 j.2-dichloroethane 5.22 91 1015042m 7.19 ug/L 99 277 j.2-dichloroethane 5.22 91 1015042m 7.19 ug/L 99 278 j.2-dichloroethane 5.22 91 1015042m 7.19 ug/L 99 279 benz	Target Compounds				Ová	alue
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 99 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 91 13) carbon disulfide 2.00 84 461854 8.91 ug/L 91 13) carbon disulfide 2.00 76 1142049 10.45 ug/L 98 15) trans-1, 2-dichloroethene 2.66 43 718204 10.65 ug/L 98 16) vinyl acetate 2.66 43 718204 96.44 ug/L 98 16) vinyl acetate 2.66 43 718204 96.44 ug/L 98 16) vinyl acetate 2.66 43 7192914 96.44 ug/L 98 16) vinyl acetate 2.57 63 655178 10.83 ug/L 97 17) 1, 1-dichloroethane 2.57 63 655178 10.83 ug/L 97 18) 2, 2-dichloroethane 2.91 96 410627 11.22 ug/L 95 10) cis-1, 2-dichloroethane 3.00 128 171492 9.59 ug/L 97 22) bromochloromethane 3.00 128 171492 9.59 ug/L 97 23) 1, 1, -trichloroethane 3.00 128 171492 9.59 ug/L 98 24) thoroform 3.03 83 694655 11.13 ug/L 99 25) trans-1, 2-dichloroethane 3.00 128 171492 9.59 ug/L 97 23) 1, 1, 2-trichloroethane 3.62 75 484905 11.37 ug/L 98 24) tromochloromethane 3.01 128 171492 9.59 ug/L 97 25) 1, 1-dichloropropane 3.62 75 484905 11.43 ug/L 99 26) trichloroethane 3.62 423505 10.44 ug/L 98 26) carbon tetrachloride 3.73 119 469947 11.45 ug/L 98 31) 1, 2-dichloropropane 4.16 63 343713 10.43 ug/L 98 31) 1, 2-dichloropropane 4.16 63 343713 10.43 ug/L 98 33) dibromomethane 4.13 93 198170 11.52 ug/L 98 34) 2-chloroethane 5.22 91 6150440 7.19 ug/L 49 35) 4-methyl-2-pentanone 4.77 43 2619979 91.53 ug/L 96 36) cis-1, 3-dichloropropene 5.26 76 50784 10.53 ug/L 99 37) trans-1, 3-dichloropropene 5.26 76 507831 11.43 ug/L 99 39) trans-1, 3-dichloropropene 5.26 76 307831 10.53 ug/L 99 39) trans-1, 3-dichloropropene 5.26 76 307831 10.59 ug/L 99 30) trans-1, 3-dichloropropene 5.26 76 307831 10.59 ug/L 99 30) trans-1, 3-dichloropropene 5.26 76		1.20	85	472472		
5)vinyl chloride1.336250910410.55ug/L996)bromomethane1.449621653410.26ug/L957)chlorofluoromethane1.54642744339.93ug/L978)trichlorofluoromethane1.7710159144410.80ug/L989)freon2.1215133627412.32ug/L9910)acetone1.815822636297.17ug/L9111)1.1-dichloroethene2.01963450911.59ug/L8612)methylene chloride2.09844618548.91ug/L9113)carbon disulfide2.2076114204910.45ug/L9815)trans-1,2-dichloroethene2.449637804311.88ug/L9816)vinyl acette2.664771921496.44ug/L9117)1.1-dichloroethane2.82763665517810.83ug/L9020)cis-1,2-dichloroethane3.087742566910.33ug/L9921)cihoroform3.038369465511.13ug/L9922)bromochloromethane3.001281714929.59ug/L#7521)1,1-trichloroethane3.607510.32310.29ug/L#822)bromochloromethane3.6075 </td <td>3) chlorodifluoromethane</td> <td>1.17</td> <td>51</td> <td>610658</td> <td>11.72 ug/L</td> <td>97</td>	3) chlorodifluoromethane	1.17	51	610658	11.72 ug/L	97
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)         accetone         1.81         58         226362         97.17         ug/L         91           11)         1,1-dichloroethene         2.00         96         324509         10.45         ug/L         91           13)         carbon disulfide         2.00         76         1142049         10.45         ug/L         98           16)         vinyl acetate         2.66         43         719214         96         446027         11.22         ug/L         97           101         1,1-dichloroethane         3.08         77         425669         10.33         ug/L         90           21)         chloroform         3.03         83         694655         11.33         ug/L						
7)chloroethane1.54642744339.93ug/L978)freon2.1215133627412.32ug/L9910)acetone1.815822636297.17ug/L9111)1.1-dichloroethene2.019632450911.59ug/L9113)carbon disulfide2.09844618548.91ug/L9114)tert-butylmethylether2.50737722599.83ug/L9815)trans-1,2-dichloroethene2.449637804311.88ug/L9816)vinyl acetate2.6643719291496.44ug/L10017)1,1-dichloroethane2.576365517810.83ug/L9719)2,2-dichloropropane3.087742566910.93ug/L9520)chloroform3.038369465511.13ug/L9921)chloroformethane3.607550132310.29ug/L#22)bromochloromethane3.607548490511.37ug/L9823)1,1-dichloropropane3.627548490511.37ug/L9824)trichloroethane3.7316.29ug/L#7523)1,1trichloroethane3.7316.29ug/L#7523)1,1trichloropropane4.6634371310.43ug/						
8)trichlorofluoromethane1.7710159144410.80 $ug/L$ 989)freon2.1215133627412.32 $ug/L$ 9910)acetone1.815822636297.17 $ug/L$ 9111)1,1-dichloroethene2.09844618548.91 $ug/L$ 9113)carbon disulfide2.09844618548.91 $ug/L$ 9113)carbon disulfide2.00737722599.83 $ug/L$ 9816)trans-1,2-dichloroethene2.446337804311.88 $ug/L$ 9816)vinyl acetate2.6643719291496.44 $ug/L$ 10017)1,1-dichloroethane2.576365517810.83 $ug/L$ 9719)2,2-dichloropropane3.087742566910.93 $ug/L$ 9021)chloroform3.038369465511.13 $ug/L$ 9222)bromochloromethane3.007550 $ug/L$ 4523)1,1,1-trichloroethane3.609750132310.29 $ug/L$ 4826)carbon tetrachloride3.731194694711.45 $ug/L$ 9821)1,2-dichloroethane3.436242350510.44 $ug/L$ 9831)1,2-dichloropropane4.6373373110.42 $ug/L$ 9832)bromodichloromethane4.19<	•					
9)freen2.12151 $336274$ $12.32$ $ug/L$ 9910)acetone1.8158 $226362$ 97.17 $ug/L$ 9111)1.11.11.61chloroethene2.0196 $324509$ 11.59 $ug/L$ 8612)methylene chloride2.09844618548.91 $ug/L$ 10013)carbon disulfide2.2076114204910.45 $ug/L$ 10014)tert-butylmethylether2.50737722599.83 $ug/L$ 9815)trans-1,2-dichloroethane2.449637804311.88 $ug/L$ 10017)1,1-dichloroethane2.576365517810.83 $ug/L$ 10020)cis-1,2-dichloropropane3.087742566910.93 $ug/L$ 9521)chloroform3.033369465511.13 $ug/L$ 9822)bromochloromethane3.509750132310.29 $ug/L$ 9825)1,1-dichloroptopane3.627548490511.37 $ug/L$ 9826)carbon tetrachloride3.7311946994711.45 $ug/L$ 9826)carbon tetrachloride3.73114929511.26 $ug/L$ 9821)1.1-dichloroptopane4.6373311010.43 $ug/L$ 9823)1,2-dichloroptopane4.766334371310.44 $ug/L$ 98<	*					
10)acetone1.815822636297.17 $ug/L$ 9111)1.1-dichloroethene2.019632450911.59 $ug/L$ 8612)methylene chloride2.09844618548.91 $ug/L$ 9113)carbon disulfide2.09844618548.91 $ug/L$ 9114)tert-butylmethylether2.50737722599.83 $ug/L$ 9816)trans-1,2-dichloroethene2.449637804311.88 $ug/L$ 9816)vinyl acetate2.6643719291496.44 $ug/L$ 10017)1.1-dichloroethane2.576365517810.83 $ug/L$ 9618)methyl ethyl ketone2.827228271591.56 $ug/L$ 9719)2.2-dichloroethene2.919641062711.22 $ug/L$ 9521)chloroform3.038369465511.13 $ug/L$ 9822)bromochloromethane3.001281714929.59 $ug/L$ # 9923)1,1-1-trichloroethane3.6275484904711.45 $ug/L$ 9826)carbon tetrachloride3.7678146375911.22 $ug/L$ 9827)benzene3.7678146375911.26 $ug/L$ 9930)trichloroothene4.199537328111.52 $ug/L$ 9826carbon	•					
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13)carbon disulfide2.2076 $1142049$ $10.45$ $ug/L$ 10014)tert-butylmethylether2.5073 $772259$ 9.83 $ug/L$ #9815)trans-1,2-dichloroethene2.4496 $378043$ $11.88$ $ug/L$ 9816)vinyl acetate2.6643 $7192914$ 96.44 $ug/L$ 10017) $1,1$ -dichloroethane2.5763655178 $10.83$ $ug/L$ 9719) $2,2$ -dichloropropane $3.08$ $77$ $425669$ $10.93$ $ug/L$ 9720)cis-1,2-dichloroethene $2.91$ 96 $410627$ $11.22$ $ug/L$ 9521)chloroform $3.03$ 83694655 $11.31$ $ug/L$ 9922)bromochloromethane $3.60$ 75 $484905$ $11.37$ $ug/L$ 4825) $1,1$ -trichloroethane $3.62$ 75 $484905$ $11.37$ $ug/L$ 9826)carbon tetrachloride $3.73$ $119$ $469947$ $11.45$ $ug/L$ 9826)carbon tetrachloride $3.73$ $119$ $469947$ $11.45$ $ug/L$ 9827)benzene $3.76$ 78 $1463759$ $11.25$ $ug/L$ 9828) $1,2$ -dichloropropane $4.16$ $63$ $343713$ $10.43$ $ug/L$ 9829)benzene $3.76$ 78 $1463759$ $11.52$ $ug/L$ 9821, 2-dichloropropane $4.13$	*	2.01	96	324509	11.59 ug/L	86
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 acctate       2.66       43       7192914       96.44       ug/L       90         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-dichloroptopane       3.08       77       425669       10.93       ug/L       97         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       3.60       75       484905       11.37       ug/L       98         26)       carbon tetrachloride       3.73       119       469947       11.45       ug/L       #       76         29)       benzene       3.76				461854	<b>.</b>	
15)       trans-1,2-dichloroethene       2.44       96       378043       11.88       ug/L       98         16)       vinyl acetate       2.66       43       719214       96.44       ug/L       100         17)       1,1-dichloroethane       2.57       63       655178       10.83       ug/L       100         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       3.50       97       501323       10.29       ug/L       # 89         25)       1,1-dichloroptopene       3.62       75       484905       11.37       ug/L       98         26)       carbon tetrachloride       3.73       119       46947       11.45       ug/L       98         21,2-dichloroptopane       4.16       63       343713       10.43       ug/L       99         31       1,2-dichloroptopane       4.16       63       343713       10.						
16)vinyl acetate2.6643719291496.44 $ug/L$ 10017)1,1-dichloroethane2.576365517810.83 $ug/L$ 9618)methyl ethyl ketone2.827228271591.56 $ug/L$ 9719)2,2-dichloropropane3.087742566910.93 $ug/L$ 10020)cis-1,2-dichloroethene2.919641062711.22 $ug/L$ 9521)chloroform3.038369465511.13 $ug/L$ 9523)1,1,1-trichloroethane3.509750132310.29 $ug/L$ # 8925)1,1-dichloropropene3.627548490511.37 $ug/L$ 9826)carbon tetrachloride3.7311946994711.45 $ug/L$ 9827)benzene3.7678146375911.26 $ug/L$ 9831)1,2-dichloropropane4.16633471310.43 $ug/L$ 9930)trichloroethane4.128346387510.52 $ug/L$ 9831)1,2-dichloropropane4.16633471310.43 $ug/L$ 9633)dibromomethane4.128346387510.52 $ug/L$ 9834)2-chloroethylvinylether4.5363100422m7.19 $ug/L$ 9636)cis-1,3-dichloropropene4.677548963010.83 $ug/L$ 96 <td< td=""><td>, , ,</td><td></td><td></td><td></td><td></td><td></td></td<>	, , ,					
17)1,1-dichloroethane2.576365517810.83ug/L9618)methyl ethyl ketone2.827228271591.56ug/L9719)2,2-dichloropropane3.06774256610.93ug/L9720)cis-1,2-dichloroethene2.919641062711.22ug/L9521)chloroform3.038369465511.13ug/L9922)bromochloromethane3.001281714929.59ug/L#23)1,1,1-trichloroethane3.509750132310.29ug/L#26)carbon tetrachloride3.7311946994711.45ug/L9826)carbon tetrachloride3.7311946994711.45ug/L9828)1,2-dichloroethane3.436242350510.44ug/L#30)trichloroethene4.199537328111.52ug/L9931)1,2-dichloropropane4.166334371310.43ug/L9533)dibromomethane4.139319817011.25ug/L9533)dibromomethane4.139319817011.25ug/L9636)toluene5.2291161504511.60ug/L9636)toluene5.2291161504511.60ug/L9636)toluene5.26755078						
18) methyl ethyl ketone2.827228271591.56 $ug/L$ 9719) 2, 2-dichloropropane3.087742566910.93 $ug/L$ 10020) cis-1, 2-dichloropethene2.919641062711.22 $ug/L$ 9521) chloroform3.038369465511.13 $ug/L$ 9922) bromochloromethane3.001281714929.59 $ug/L$ # 7523) 1,1-trichloroethane3.609750132310.29 $ug/L$ # 8925) 1,1-dichloropropene3.627548490511.37 $ug/L$ 9826) carbon tetrachloride3.7311946994711.45 $ug/L$ 9828) 1,2-dichloroethane3.436242350510.44 $ug/L$ # 7629) benzene3.7678146375911.26 $ug/L$ 9930) trichloroptopane4.16633471310.43 $ug/L$ 9831) 1,2-dichloropropane4.16633471310.43 $ug/L$ 9932) bromodichloromethane4.228346387510.52 $ug/L$ 9533) dibromomethane4.2283104042m7.19 $ug/L$ 9636) cis-1,3-dichloropropene4.677548963010.83 $ug/L$ 9636) cis-1,3-dichloropropene4.677548963010.83 $ug/L$ 9636) toluene5.3943179821492.00 $ug/L$ 9443) 2-he	· +				<b>.</b> .	
19)2, 2-dichloropropane3.087742566910.93ug/L10020)cis-1, 2-dichloropthene2.919641062711.22ug/L9521)chloroform3.038369465511.13ug/L9922)bromochloromethane3.001281714929.59ug/L#23)1,1,1-trichloropthane3.609750132310.29ug/L#26)carbon tetrachloride3.7311946994711.45ug/L9828)1,2-dichloroethane3.436242350510.44ug/L9828)1,2-dichloroethane3.7678146375911.26ug/L9930)trichloroethane4.199537328111.52ug/L9831)1,2-dichloroptopane4.166334371310.43ug/L9932)bromodichloromethane4.228346387510.52ug/L9533)dibromomethane4.228319817011.25ug/L9636)cis.1,3-dichloropropene4.677548963010.83ug/L9636)toluene5.2291161504511.60ug/L9939)trans-1,3-dichloropropene4.677548963010.83ug/L9636)toluene5.2291161504511.60ug/L9840)1,1,2-trichloroethane <td></td> <td></td> <td>72</td> <td>282715</td> <td></td> <td></td>			72	282715		
21)chloroform $3.03$ $83$ $694655$ $11.13$ $ug/L$ $99$ 22)bromochloromethane $3.00$ $128$ $171492$ $9.59$ $ug/L$ $\#$ $75$ 23) $1.1$ -trichloroethane $3.60$ $75$ $484905$ $11.37$ $ug/L$ $\#$ $89$ 25) $1.1$ -trichloroethane $3.62$ $75$ $484905$ $11.37$ $ug/L$ $98$ 26)carbon tetrachloride $3.73$ $119$ $469947$ $11.45$ $ug/L$ $98$ 26)carbon tetrachloride $3.73$ $119$ $469947$ $11.45$ $ug/L$ $98$ 28) $1,2$ -dichloroethane $3.43$ $62$ $423505$ $10.44$ $ug/L$ $99$ 30)trichloroethane $4.19$ $95$ $373281$ $11.52$ $ug/L$ $98$ 31) $1,2$ -dichloropropane $4.16$ $63$ $343713$ $10.43$ $ug/L$ $99$ 32)bromodichloromethane $4.22$ $83$ $463875$ $10.52$ $ug/L$ $98$ 34) $2$ -chloroethylvinylether $4.53$ $63$ $104042m$ $7.19$ $ug/L$ $96$ 36)cis-1,3-dichloropropene $4.67$ $75$ $489630$ $10.83$ $ug/L$ $96$ 36)toluene $5.22$ $91$ $1615045$ $11.60$ $ug/L$ $99$ 39)trans-1,3-dichloropropene $4.98$ $75$ $373573$ $9.95$ $ug/L$ $94$ $41$ $1,2$ -ctichloroethane $5.26$ $76$	19) 2,2-dichloropropane	3.08				
22)bromochloromethane3.001281714929.59ug/L #7523)1,1,1-trichloroethane3.509750132310.29ug/L #8925)1,1-dichloropropene3.627548490511.37ug/L9826)carbon tetrachloride3.7311946994711.45ug/L9828)1,2-dichloroethane3.436242350510.44ug/L#7629)benzene3.7678146375911.26ug/L9831)1,2-dichloropropane4.16633471310.43ug/L9930)trichloroethane4.228346387510.52ug/L9831)1,2-dichloropropane4.16633471310.43ug/L9932)bromodichloromethane4.228346387510.52ug/L8934)2-chloroethylvinylether4.5363104042m7.19ug/L9636)cis-1,3-dichloropropene4.677548963010.83ug/L9638)toluene5.2291161504511.60ug/L9939)trans-1,3-dichloropropene4.6775757595ug/L9840)1,1,2-trichloroethane5.08832264110.59ug/L9841)1,3-dichloropropane5.7516637083111.49ug/L9846) </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
23)1,1,1-trichloroethane3.509750132310.29ug/L#8925)1,1-dichloropropene3.627548490511.37ug/L9826)carbon tetrachloride3.7311946994711.45ug/L9828)1,2-dichloroethane3.436242350510.44ug/L#7629)benzene3.7678146375911.26ug/L9930)trichloroethene4.199537328111.52ug/L9831)1,2-dichloropropane4.166334371310.43ug/L9932)bromodichloromethane4.228346387510.52ug/L9834)2-chloroethylvinylether4.5363104042m7.19ug/L35)4-methyl-2-pentanone4.774326197991.53ug/L9636)cis-1,3-dichloropropene4.677548963010.83ug/L9840)1,1,2-trichloroethane5.08832264110.59ug/L9840)2-hexanone5.3943179821492.20ug/L9944)1,3-dichloropropane5.7516637083111.49ug/L9845)tetrachloroethane5.7516637083111.49ug/L9846)dibromochlonee6.6110726702510.41ug/L9847)1,2-di						
251,1-dichloropropene3.627548490511.37ug/L9826)carbon tetrachloride3.7311946994711.45ug/L9828)1,2-dichloroethane3.436242350510.44ug/L9729)benzene3.7678146375911.26ug/L9930)trichloroethene4.199537328111.52ug/L9831)1,2-dichloropropane4.166334371310.43ug/L9932)bromodichloromethane4.228346387510.52ug/L9533)dibromomethane4.139319817011.25ug/L8934)2-chloroethylvinylether4.5363104042m7.19ug/L35)4-methyl-2-pentanone4.7743261997991.53ug/L9636)cis-1,3-dichloropropene4.677548963010.83ug/L9939)trans-1,3-dichloropropene4.67753735739.95ug/L9840)1,1,2-trichloroethane5.088322364110.59ug/L9443)2-hexanone5.3943179821492.20ug/L9944)2-hexanone5.267650078410.74ug/L9945)tetrachloroethane5.6110726702510.41ug/L9847)1,2-dibromoethane5.61 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
26)carbon tetrachloride3.7311946994711.45ug/L9828)1,2-dichloroethane3.436242350510.44ug/L#7629)benzene3.7678146375911.26ug/L9930)trichloroethene4.199537328111.52ug/L9831)1,2-dichloropropane4.166334371310.43ug/L9932)bromodichloromethane4.228346387510.52ug/L9533)dibromomethane4.139319817011.25ug/L8934)2-chloroethylvinylether4.5363104042m7.19ug/L9636)cis-1,3-dichloropropene4.677548963010.83ug/L9638)toluene5.2291161504511.60ug/L9939)trans-1,3-dichloropropene4.98753735739.95ug/L9840)1,1,2-trichloroethane5.088322364110.59ug/L9943)2-hexanone5.3943179821492.20ug/L9944)1,3-dichloropropane5.6150710.74ug/L9846)dibromochloromethane5.4312934414310.99ug/L9847)1,2-dibromochhane5.6110726702510.41ug/L9846)dibromochloromethane <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<>						
28)1,2-dichloroethane3.436242350510.44ug/L#7629)benzene3.7678146375911.26ug/L9930)trichloroethene4.199537328111.52ug/L9831)1.2-dichloropropane4.166334371310.43ug/L9932)bromodichloromethane4.228346387510.52ug/L9533)dibromomethane4.139319817011.25ug/L8934)2-chloroethylvinylether4.5363104042m7.19ug/L9636)cis-1,3-dichloropropene4.677548963010.83ug/L9638)toluene5.2291161504511.60ug/L9939)trans-1,3-dichloropropene4.98753735739.95ug/L9840)1,1,2-trichloroethane5.088322364110.59ug/L9943)2-hexanone5.3943179821492.20ug/L9944)1,3-dichloropropane5.667650078410.74ug/L9846)dibromochloromethane5.4312934414310.99ug/L9847)1,2-dibromoethane5.6110726702510.41ug/L9847)1,2-dibromoethane5.6110726702510.41ug/L9847)1,1,2-dibromoeth						
29)benzene3.7678146375911.26ug/L9930)trichloroethene4.199537328111.52ug/L9831)1,2-dichloropropane4.166334371310.43ug/L9932)bromodichloromethane4.228346387510.52ug/L9533)dibromomethane4.139319817011.25ug/L8934)2-chloroethylvinylether4.5363104042m7.19ug/L35)4-methyl-2-pentanone4.7743261997991.53ug/L9636)cis-1,3-dichloropropene4.677548963010.83ug/L9638)toluene5.2291161504511.60ug/L9939)trans-1,3-dichloropropene4.98753735739.95ug/L9440)1,1,2-trichloroethane5.088322364110.59ug/L9944)1,3-dichloropropane5.267650078410.74ug/L9945)tetrachloroethane5.4312934414310.99ug/L9847)1,2-dibromoethane5.6110726702510.41ug/L9847)1,2-dibromoethane5.6110726702510.41ug/L9348)chlorobenzene6.2411299891111.62ug/L9449)1,1,1,2-tetrachloroethane					10.44 ug/L #	76
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) $2-chloroethylvinylether$ $4.53$ $63$ $104042m$ $7.19$ $ug/L$ $89$ 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) $1, 3-dichloropropane$ $5.75$ $166$ $370831$ $11.49$ $ug/L$ $98$ 46)dibromochloromethane $5.61$ $107$ $267025$ $10.41$ $ug/L$ $93$ 47) $1, 2-dibromochlane$ $5.61$ $107$ $267025$ $10.41$ $ug/L$ $93$ 48)chlorobenzene $6.24$ $112$ $988911$ $11.62$ $ug/L$ $94$ 49) $1, 1, 1, 2-tetrachloroethane$ $6.18$ $131$	29) benzene	3.76	78		11.26 ug/L	99
32)bromodichloromethane4.228346387510.52ug/L9533)dibromomethane4.139319817011.25ug/L8934)2-chloroethylvinylether4.5363104042m7.19ug/L35)4-methyl-2-pentanone4.7743261997991.53ug/L9636)cis-1,3-dichloropropene4.677548963010.83ug/L9638)toluene5.2291161504511.60ug/L9939)trans-1,3-dichloropropene4.98753735739.95ug/L9840)1,1,2-trichloroethane5.088322364110.59ug/L9943)2-hexanone5.3943179821492.20ug/L9944)1,3-dichloropropane5.267650078410.74ug/L9945)tetrachloroethane5.4312934414310.99ug/L9846)dibromochloromethane5.6110726702510.41ug/L9847)1,2-dibromoethane6.2411299891111.62ug/L9449)1,1,1,2-tetrachloroethane6.1813132381811.03ug/L9449)1,1,1,2-tetrachloroethane6.1813132381811.03ug/L9751)m+p xylene6.55106130603423.47ug/L9753)styrene						
33) dibromomethane4.139319817011.25ug/L8934) 2-chloroethylvinylether4.5363104042m7.19ug/L35) 4-methyl-2-pentanone4.7743261997991.53ug/L9636) cis-1,3-dichloropropene4.677548963010.83ug/L#38) toluene5.2291161504511.60ug/L9939) trans-1,3-dichloropropene4.98753735739.95ug/L9840) 1,1,2-trichloroethane5.088322364110.59ug/L9943) 2-hexanone5.3943179821492.20ug/L9944) 1,3-dichloropropane5.267650078410.74ug/L9845) tetrachloroethene5.7516637083111.49ug/L9846) dibromochloromethane5.6110726702510.41ug/L#947) 1,2-dibromoethane6.241129891111.62ug/L9449) 1,1,1,2-tetrachloroethane6.1813132381811.03ug/L#150) ethylbenzene6.4091170764311.70ug/L9751) m+p xylene6.55106130603423.47ug/l9452) o-xylene6.79104101859911.09ug/L91						
34)2-chloroethylvinylether4.5363104042m7.19 ug/L35)4-methyl-2-pentanone4.7743261997991.53 ug/L9636)cis-1,3-dichloropropene4.677548963010.83 ug/L#9638)toluene5.2291161504511.60 ug/L9939)trans-1,3-dichloropropene4.98753735739.95 ug/L9840)1,1,2-trichloroethane5.088322364110.59 ug/L9443)2-hexanone5.3943179821492.20 ug/L9944)1,3-dichloropropane5.267650078410.74 ug/L9945)tetrachloroethane5.4312934414310.99 ug/L9846)dibromochloromethane5.6110726702510.41 ug/L9347)1,2-dibromoethane6.2411299891111.62 ug/L9449)1,1,1,2-tetrachloroethane6.1813132381811.03 ug/L150)ethylbenzene6.4091170764311.70 ug/L9751)m+pxylene6.55106130603423.47ug/l9452)o-xylene6.79104101859911.09ug/L91						
35)4-methyl-2-pentanone4.7743261997991.53ug/L9636)cis-1,3-dichloropropene4.677548963010.83ug/L#9638)toluene5.2291161504511.60ug/L9939)trans-1,3-dichloropropene4.98753735739.95ug/L9840)1,1,2-trichloroethane5.088322364110.59ug/L9443)2-hexanone5.3943179821492.20ug/L9944)1,3-dichloropropane5.267650078410.74ug/L9945)tetrachloroethene5.7516637083111.49ug/L9846)dibromochloromethane5.6110726702510.41ug/L9347)1,2-dibromoethane6.2411299891111.62ug/L9449)1,1,1,2-tetrachloroethane6.1813132381811.03ug/L4150)ethylbenzene6.4091170764311.70ug/L9751)m+pxylene6.55106130603423.47ug/l9452)o-xylene6.79104101859911.09ug/L91	· · · ·					0.2
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 $6.18$ $131$ $323818$ $11.03$ $ug/L$ $41$ $50$ )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 $6.79$ $104$ $1018599$ $11.09$ $ug/L$ $91$						96
39)trans-1,3-dichloropropene4.98753735739.95ug/L9840)1,1,2-trichloroethane5.088322364110.59ug/L9443)2-hexanone5.3943179821492.20ug/L9944)1,3-dichloropropane5.267650078410.74ug/L9945)tetrachloroethene5.7516637083111.49ug/L9846)dibromochloromethane5.4312934414310.99ug/L9847)1,2-dibromoethane5.6110726702510.41ug/L#9348)chlorobenzene6.2411299891111.62ug/L9449)1,1,1,2-tetrachloroethane6.1813132381811.03ug/L4150)ethylbenzene6.4091170764311.70ug/L9751)m+pxylene6.55106130603423.47ug/l9452)o-xylene6.79104101859911.09ug/L91						96
40)1,1,2-trichloroethane5.088322364110.59ug/L9443)2-hexanone5.3943179821492.20ug/L9944)1,3-dichloropropane5.267650078410.74ug/L9945)tetrachloroethene5.7516637083111.49ug/L9846)dibromochloromethane5.4312934414310.99ug/L9847)1,2-dibromoethane5.6110726702510.41ug/L#48)chlorobenzene6.2411299891111.62ug/L9449)1,1,1,2-tetrachloroethane6.1813132381811.03ug/L#50)ethylbenzene6.4091170764311.70ug/L9751)m+pxylene6.55106130603423.47ug/l9452)o-xylene6.79104101859911.09ug/L91		5.22	91	1615045		
43) 2-hexanone5.3943179821492.20ug/L9944) 1,3-dichloropropane5.267650078410.74ug/L9945) tetrachloroethene5.7516637083111.49ug/L9846) dibromochloromethane5.4312934414310.99ug/L9847) 1,2-dibromoethane5.6110726702510.41ug/L#48) chlorobenzene6.2411299891111.62ug/L9449) 1,1,1,2-tetrachloroethane6.1813132381811.03ug/L#50) ethylbenzene6.4091170764311.70ug/L9751) m+p xylene6.55106130603423.47ug/L9452) o-xylene6.79104101859911.09ug/L91						
44) 1,3-dichloropropane5.267650078410.74 ug/L9945) tetrachloroethene5.7516637083111.49 ug/L9846) dibromochloromethane5.4312934414310.99 ug/L9847) 1,2-dibromoethane5.6110726702510.41 ug/L9348) chlorobenzene6.2411299891111.62 ug/L9449) 1,1,1,2-tetrachloroethane6.1813132381811.03 ug/L#50) ethylbenzene6.4091170764311.70 ug/L9751) m+p xylene6.55106130603423.47 ug/l9452) o-xylene6.8510663025811.01 ug/L9653) styrene6.79104101859911.09 ug/L91						
45)tetrachloroethene5.7516637083111.49ug/L9846)dibromochloromethane5.4312934414310.99ug/L9847)1,2-dibromoethane5.6110726702510.41ug/L#9348)chlorobenzene6.2411299891111.62ug/L9449)1,1,1,2-tetrachloroethane6.1813132381811.03ug/L#150)ethylbenzene6.4091170764311.70ug/L9751)m+pxylene6.55106130603423.47ug/l9452)o-xylene6.8510663025811.01ug/L9653)styrene6.79104101859911.09ug/L91						
46) dibromochloromethane5.4312934414310.99ug/L9847) 1,2-dibromoethane5.6110726702510.41ug/L#48) chlorobenzene6.2411299891111.62ug/L9449) 1,1,1,2-tetrachloroethane6.1813132381811.03ug/L#50) ethylbenzene6.4091170764311.70ug/L9751) m+p xylene6.55106130603423.47ug/l9452) o-xylene6.8510663025811.01ug/L9653) styrene6.79104101859911.09ug/L91				370831	11.49 ug/L	
47) 1,2-dibromoethane5.6110726702510.41ug/L #9348) chlorobenzene6.2411299891111.62ug/L9449) 1,1,1,2-tetrachloroethane6.1813132381811.03ug/L #150) ethylbenzene6.4091170764311.70ug/L9751) m+p xylene6.55106130603423.47ug/l9452) o-xylene6.8510663025811.01ug/L9653) styrene6.79104101859911.09ug/L91				344143	10.99 ug/L	
48)chlorobenzene6.2411299891111.629449)1,1,1,2-tetrachloroethane6.1813132381811.03ug/L9450)ethylbenzene6.4091170764311.70ug/L9751)m+pxylene6.55106130603423.47ug/l9452)o-xylene6.8510663025811.01ug/L9653)styrene6.79104101859911.09ug/L91				267025	10.41 ug/L #	
50) ethylbenzene6.4091170764311.70ug/L9751) m+p xylene6.55106130603423.47ug/l9452) o-xylene6.8510663025811.01ug/L9653) styrene6.79104101859911.09ug/L91	48) chlorobenzene			998911		
52) o-xylene       6.85       106       630258       11.01       96         53) styrene       6.79       104       1018599       11.09       91				323818	11.03 ug/L #	
52) o-xylene       6.85       106       630258       11.01       96         53) styrene       6.79       104       1018599       11.09       91	, <u> </u>		91	1707643	11.70 ug/L	
			100	1300034 636350	23.47 ug/1 11.01 ug/1	
			104	1018599	11.09 ud/L	
(4) $\alpha$ walifier 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 Sample : reference 10ug/Kg Misc : MN010608 qc passed KM Operator: Inst : GCMSV4 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	<b>.</b> .	
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	
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	
63)	2-chlorotoluene	7.52	126		11.62 ug/L	91
64)	4-chlorotoluene	7.58	126	406714	11.74 ug/L	
65)	tert-butylbenzene	7.90	134	288893	11.42 ug/L	
66)	1,2,4-trimethylbenzene	7.99	105	1286295	11.42 ug/L	
67)	sec-butylbenzene	8.07	105	1793641	12.24 ug/L	98
68)	4-isopropyltoluene	8.22	119	1435621	11.83 ug/L	
69)	1,3-dichlorobenzene	8.10	146	806099	11.86 ug/L	
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	
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 j	1,2,4,5-tetramethylbenzene	9.26	119	1321374	10.27 ug/L	97
	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

Q	uanti	tation	Report	(QT Re	viewec	1)
Data File : C:\MSDCHEM\1\DATA\0109 Acg On : 12 Jan 2009 1:24 pm	\0112	011/011		Vial: erator:		
Sample : reference 10ug/Kg			1	ist :		74
Misc : MN010608 qc passed KM				ltiplr:		-
MS Integration Params: events.e			•••	E		
Quant Time: Jan 13 11:25:05 2009		Qu	ant Result	s File:	VS01(	909A.RES
Quant Method : C:\MSDCHEM\1\METHOD	S/VS0	10909A	.M (Chemst	ation I	ntegra	itor)
Title :						
Last Update : Tue Jan 13 11:21:35	2009					
Response via : Initial Calibration						
DataAcq Meth : VOAN182						
Internal Standards	R.T.	QION	Response	Conc U	nits I	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
Custom Monitoring Compounds						
System Monitoring Compounds	2 20	100	345188	51.55	11/T	0.00
4) 1,2-dichloroethane-d4			5816067			
5) toluene-d8			1701297			
6) 4-bromofluorobenzene	1+14	1/4	T101731	51.30	ug/u	0+00
Target Compounds						Qvalue
2) methylene chloride	2.09	84	461854	9.82	ug/L	- 98

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											Sputadiene enesnedoro	uouoexau Nouoexau Mateuudeu	10.00 10
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										6	3-chloropropane	-omordib-S, f	90.6
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8 GCMSV4 1.00	vs010909 egrator)	0.809								906	ənəlyx q+n	n molomoid	6.50
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	t Results F1 (Chemstation									anone	vroethane chloropropene horopropene hinylethar vrograane horopropene	*	∭ 3 5.00
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177V	\VS07	5 5 4							s,Absear	sribatorofclösirfe	ອດຣັກນີອີບຳວິ		3.50
MW WY	<u>m</u>										obiobane Direthane Microalhene Wiketone	tia (Xiaa) Cia-2, Isio Cia-2, Isio	3.0
NDATA VO 1:24 Nug/Kg passed vents.e	2009 1/1/MET	calibration								9	vinyl acetat sethane lichloroethene		2.50
M/1/DATA/ 009 1:24 e 10ug/Kg gc passed	38 2( HEM\]												2.00
CHEM 200 nce 08 g ams:	13:38 MSDCHE	Initial										Change and a second	50
	Jan 12 : C:\N : Mon										arear and a construction of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon		1.00 1
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Data File : Acq On : Sample : Misc : MS Integrat	Quant Time: Method Title	Response Abundance		~	~		~	~		~	0	ි Page 397 ි	0
Data Acq O Sampl Misc MS In		Respo	500000	450000	400000	350000	300000	250000	200000	150000	100000	ŏ	

# Initial Calibration

Summary Report Quant Reports and Chomatograms

Titl Last	Update : Mon	Jan 12 1	0:09:09	5 2009					
Resp	onse via : Init	ial Cali	bratio	1					
	bration Files	10	-0100	906.D	20	=01	090907	•D	
5 50	=01090905.D =01090908.D	100		)909.D	200		090910		
	Compound	5	10	20	50	100	200	Avg	%RSI
					TOM	•			
)	pentafluoroben dichlorodifluo		0 0.68	7 0.631	0.580	0.524	0.574	0.609	9.9
)	chlorodifluoro	m 0.91	1 0.81	3 0.790	0.744	0.692	0.669	0.770	11.49
)	chloromethane	0.78	31 0.74	9 0.685	0.644	0.589	0.627	0.679	10.9
)	vinyl chloride	0.84	3 0.80	5 0.712	0.695	0.649	0.647	0.725	11.2
)	bromomethane	0.33	24 0.32	4 0.313 6 0.434	0.333	0.331	0.397	0.424	10.0
)	chloroethane trichlorofluor	0.4	19 0.40	0.434 1 0.837	0.814	0.782	0.845	0.852	6.5
)	freon	0.43	33 0.44	6 0.419	0.415	0.389	0.427	0.421	4.6
) )	acetone	0.04	13 0.03	1 0.035	0.035	0.034	0.036	0.036	11.2
)	1,1-dichloroet	h 0.44	4 0.45	3 0.431	0.418	0.407	0.439	0.432	3.9
ý	methylene chlo	r 1.03	30 0.70	9 0.586	0.543	0.513	0.539	0.653	30.1
)	carbon disulfi		59 1.72	2 1.675	1.646	1.599	1.732	1.091	3.6 6.3
)	tert-butylmeth		06 1.12	$1 1.192 \\ 7 0.478$	0 470	1.233	1.500	0.492	4.5
)	trans-1,2-dick	1 0+0. 1 A	24 0.50	2 1.095	1.152	1.211	1.327	1.144	9.8
)	1,1-dichloroet	h 0.9	98 0.93	8 0,916	0.912	0.886	0.954	0.934	4.1
) )	methyl ethyl k	e 0.0	49 0.04	9 0.046	0.046	0.047	0.050	0.048	3.7
ś	2,2-dichlorop	0.5	36 0.56	9 0.582	0.609	0.643	0.717	0.609	10.5
)	cis-1,2-dichle	r 0.5	63 0.55	8 0.552	0.551	0.547	0.582	0.559	2.2
)	chloroform		41 1.00	1 0.965 6 0.281	0.929	0,902	0.970	0.909	3.5
)	bromochloromet 1,1,1-trichlo		83 0.27 60 0.73	3 0.725	0.738	0.735	0.782	0.745	2.8
)	1,4-difluorobe	enzene			IST	D			
5	1,1-dichlorop	0.4	47 0.46	2 0.452	2 0.461	0.445	0.499	0.461	4.3
5	carbon tetrac	1 0.4	26 0.43	0 0.433	0.443	0.441	0.492	2 0.444	5.4 2.8
') S	1,2-dichloroe		68 0.06	7 0.069 5 0.459	) 0.072 ) 0.436	0.000	0.067 0.455	5 0.442	5.7
•)	1,2-dichloroe	∴h 0•4	68 0.43	6 0.459 8 1.393	1 U.430 1 1 202	1.357	1.522	3 1.413	4.0
?)	benzene trichloroethe		03 1+40 46 0.3P	0 0.354	0.343	0.335	5 0.373	3 0.350	3.7
)) L)	1,2-dichlorop		45 0.35	1 0.340	0.353	0.343	0.373	3 0.351	3.4
2)	bromodichloro	ne 0.4	58 0.40	0 0.460	0.469	0.472	2 0.514	4 0.472	4.5
3)	dibromomethan	> 0.1	89 0.18	6 0.18	7 0.187	0.185	5 0.202	2 0.189	3.4
Ń	2-chloroethyl	/i 0.1	40 0.12	28 0.148	8 0.156	6 0.161	1 0.168	8 0.150	9.8
5)	4-methyl-2-pe		74 0.2	7 0.30	5 0.318	3 0.32	L 0.370	5 U+312 5 6 480	11.8
5)	cis-1,3-dichl	r 0.4	42 0.4:	31 0.45	9 U.DU: 0 1 000	1.201	) 0.077 ) 1.229	2 0.489	1.2
7) S	toluene-d8	1.1	33 1+13 AQ 1.51	5 1.494	1 1.51	2 1.46	2 1.682	2 1.535	5.0
3) >>	toluene trans-1,3-dic		37 0.3	72 0.38	8 0.428	3 0.442	2	0.393	10.8
₹) ))	1,1,2-trichlo	ro 0.2	24 0.22	28 0.214	4 0,228	3 0.223	1 0.243	2 0.226	4.1
i) s	4-bromofluoro		37 0.33	38 0.35	4 0.374	0.374	4 0.39	5 0.362	6.3
2)	chlorobenzene	d5				PD		 8 0.442	3.
3)	2-hexanone		24 U+4	20 0.45	0 0.454	1 0.97:	. 0.96: 8 0.96:	8 0.442 8 1.054	6.1
1) = \	1,3-dichlorop tetrachloroet		26 0.7	42 0.73	0 0.73	7 0.67	9 0.69	4 0.718	3.
5) 6)	dibromochloro	me 0.0	93 0.6	92 0.70	1 0.72	5 0.69	3 0.68	9 0.699	1.
o) 7)	1,2-dibromoet	ha 0.5	98 0.5	78 0.58	4 0.57	5 0.55	8 0.54	0 0.572	3.
8)	chlorobenzene	2.0	03 2.0	28 1.95	1 1.97	6 1.83	0 1.83	8 1.937	4.
9)	1,1,1,2-tetra	ch 0.6	667 0.6	43 0.67	9 0.67	0 0.65	5 0.65	7 0.662	1.
0)	ethylbenzene	3.2	221 3.3	28 3.33	7 3.43	2 3.22	0 3.34	13.313	2.
1)	m+p xylene	1.2	254 1.2	93 1.28 02 1 31	0 1.31 0 1 20	0 1.20 1 1 27	1 1.30 0 1.29	0 1.295 3 1.286	2.
2)	o-xylene	1.3	(42 1+2 261 1 0	55 I.JL 56 7 No	2 2.19	1 2.10	22.15	5 2.056	6.
3) 4)	styrene bromoform	0.3	381 0.3	90 0.39	9 0.42	8 0.43	2 0.43	3 0.411	5.
5)	1,4-dichlorot	enzene-(	1		IS	TD			
6)	isopropylbenz	en 2.4	370 2.8	19 2.81	1 2.83	5 2.85	8 3.14	2 2.889	4.
	ut of Range								

# : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)

Method : C:\MSDCHEM\1\METHOD3(V30) Title : Last Update : Mon Jan 12 10:09:05 2009 Response via : Initial Calibration

Calibration Files 5 =01090905.D 50 =01090908.D Compound	10 100 5	=010909 =010909 10		20 200 50	=01( =01( 100	)90907 )90910 200	.D .D Avg	%RSD
57)       1,1,2,2-tetrach         58)       1,2,3-trichlord         59)       n-propylbenzene         60)       bromobenzene         61)       p-ethyltoluene         62)       1,3,5-trimethyl         63)       2-chlorotoluene         64)       4-chlorotoluene         65)       tert-butylbenze         66)       1,2,4-trimethyl         67)       sec-butylbenze         68)       4-isopropyltol         69)       1,3-dichlorobe         70)       1,4-dichlorobe         71)       1,2,3-trimethyl         72)       n-butylbenzene         73)       p-diethylbenzene         74)       1,2-dichlorobe         75)       1,2,4,5-tetram         76)       1,2,4-trichlor         78)       hexachlorobuta         79)       naphthalene         80)       1,2,3-trichlor	$\begin{array}{cccc}         0 & 0.48 \\         0 & 3.06 \\         0.70 \\         2.82 \\         1.06 \\         0 & -69 \\         0 & -69 \\         0 & -69 \\         0 & -69 \\         0 & -69 \\         0 & -69 \\         0 & -69 \\         1 & 2.11 \\         1 & -33 \\         1 & 2.11 \\         m & 1.33 \\         1 & 2.11 \\         m & 1.33 \\         1 & 2.11 \\         m & 1.33 \\         1 & 2.11 \\         m & 1.32 \\         m & 1.32 \\         m & 1.32 \\         m & 1.32 \\         m & 1.32 \\         m & 1.33 \\         1 & 2.11 \\         m & 1.32 \\         m & 1.32 \\         m & 1.33 \\         m & 1.33 \\         1 & 2.11 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\         m & 1.33 \\     $	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.465 3.188 0.699 2.899 1.136 0.685 0.725 0.514 2.3024 2.481 2.481 2.299 2.481 2.299 2.190 5.1.401 1.336 2.2564 8.0.1139 9.0.635 7.0.35 7.25 1.320 2.564 1.330 2.564 1.330 2.564 1.330 2.564 1.330 1.330 2.564 1.330 2.564 1.330 2.564 1.330 2.564 1.330 2.564 1.330 2.564 1.330 2.564 1.330 2.564 1.330 2.564 1.330 2.564 1.330 2.564 1.330 2.564 1.330 2.564 1.330 2.564 1.330 2.564 1.330 2.564 1.330 2.564 1.330 2.564 1.330 2.564 1.330 2.564 1.330 2.564 1.330 2.564 1.330 2.564 1.330 2.564 1.330 2.564 1.330 2.564 1.330 2.564 1.330 2.564 1.330 2.564 1.330 2.564 1.330 2.564 1.330 2.564 1.330 2.564 1.330 2.564 1.330 2.564 1.330 1.330 2.564 1.330 2.564 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 1.330 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2.685 2.685 2.685 2.685 2.625 7.1.49 4.1.75 2.625 7.1.49 4.1.75 2.1.41 0.3.222 7.0.81 1.0.400 0.400 0.1.68	3.257 0.722 2.987 1.168 0.693 0.723 0.526 5.2.359 2.3.054 1.405 8.1.429 8.2.374 3.1.259 0.1.481 2.1.332 5.2.760 8.0.114	2.89 4.08 5.63 3.36 7.06 6.54 2.65 4.91 7.96 7.42 7.29 5.02 5.18 6.30 9.72 9.96 3.47 9.82 8.43 8.45 5.95 12.12 8.62

Data File : C:\MSDCUEW******	Quant	itatio	on Report	(QT Reviewed)	
Data File : C:\MSDCHEM\1\DATA\ Acq On : 9 Jan 2009 6:12	0109\010 pm	909\01		Vial: 5	
sout stud Sug/Kg				perator: Inst : GCMSV4	
fisc : KM010909 IS Integration Params: events.	_			nst : GCMSV4 Nultiplr: 1.00	
Quant Time: Jan 12 10:12:23 20	e 09	-			
		Ç	uant Resul	ts File: VS0109	09.RE
uant Method : C:\MSDCHEM\1\ME	THODS \VS(	010909	.M (Chemst	ation Integrato	r)
ast update : Mon Jan 12 10:0 esponse via : Initial Calibra	A . A	1			
dearcy Mern : VOAN182					
Internal Standards	R.T.	QION	Response	Conc Units Dev	//Min
1) pentafluorobenzene	3.39	168			
<ul><li>24) 1,4-difluorobenzene</li><li>42) chlorobenzene-d5</li></ul>	3.93	114	4743243	50.00 ug/L 50.00 ug/L	0.0
55) 1,4-dichlorobenzene-d4	6.22	82	2150279	50.00 ug/L	0.0
	8.14	152	2334078	50.00 ug/L	0.0
ystem Monitoring Compounds				u <b>e</b> *	
4/) 1,2-dlChloroethane_d4	3.39	102	394010	10.07	
37) toluene-d8	5.18		324819 5657752	49.95 ug/L	0.0
41) 4-bromofluorobenzene	7.14		1599246	49.38 ug/L 46.56 ug/L	0.0
arget Compounds			= ₩	vivo ug/L	0.0
2) dichlorodifluoromethane	5			Ov	alue
3) Chlorodifluoromethane	1.20	85	215802	5.68 ug/L #	9
4) Chloromethane	1.27	51 50	267824	5.30 ug/L #	9
5) vinyl chloride	1.33	50 62	249387 275510	5.86 ug/L #	81
6) bromomethane	1.48	96	105768	5.90 ug/L	98
7) chloroethane 8) trichlorofluor	1.54	64	156407	5.22 ug/L 5.86 ug/L	96
<pre>8) trichlorofluoromethane 9) freon</pre>	1.77	101	304329	5.76 ug/L	36 36
10) acetone	2.12	151	141374	5.38 ug/L	97
1) 1,1-dichloroethene	$1.81 \\ 2.01$	58	70933	31.66 ug/L	97
12) methylene chloride	2.01	96 84	144977	5.37 ug/L	90
3) Carbon disulfide	2.20	76	336569 578198	5.28 ug/L	96
4) tert-butylmethylether	2.50	73	394012	5.49 ug/L	99
5) trans-1,2-dichloroethene 6) vinyl acetate	2.44	96	171402	5.22 ug/L # 5.59 ug/L	95
7) 1,1-dichloroethane	2.66	43	1690066	23.87 ug/L	99 99
8) methyl ethyl ketone	2.58	63	325997	5.59 ug/L	97
9) 2,2-dichloropropane	2.83 3.08		79590	26.88 ug/L #	85
0) Cis-1,2-dichloroethene	2,91	77 96	175044	4.70 ug/L	99
1) Chioroform	3.03	83	184123 340204	5.23 ug/L	94
2) bromochloromethane	3.00	128	92488	5.66 ug/L 5.36 ug/L	95
3) 1,1,1-trichloroethane 5) 1,1-dichloropropene	3.50	97	248491	5.30 ug/L #	89
6) carbon tetrachloride	3.62	75	212021	5.14 ug/L	86 90
8) 1,2-dichloroethane	3.73	119	201873	5.09 ug/L #	95
9) benzene	3.43	62	218528m	5.55 ug/L	~~~
0) trichloroethene	$3.76 \\ 4.19$	78 95	665295	5.29 uq/L	97
1) 1,2-dichloropropane	4.16	95 63	164306 163325	5.24 ug/L	97
2) bromodichloromethane	4.22	83	217267	5.12 ug/L #	97
3) dibromomethane	4.13	93	89798	5.09 ug/L # 5.26 ug/L	98
<ul> <li>2-chloroethylvinylether</li> <li>4-methyl-2-pentanone</li> </ul>	4.54	63	66517	4.74 ug/L #	95 86
) cis-1,3-dichloropropene	4.77	43	650365	23.87 ug/L	94
) toluene	4.68 5.23	75	209643	4.81 ug/L	97
) trans-1,3-dichloropropene	5.23 4.99	91 75	734059	5.45 ug/L	98
) 1,1,2-trichloroethane	5.09	83	$159894 \\ 106440$	4.42 ug/L	99
) 2-hexanone	5.40	43	456144	5.20 ug/L	99
) 1,3-dichloropropane	5.26	76	248955	24.05 ug/L 5.46 ug/L	94
) tetrachloroethene ) dibromochloromethane	5.75	166	156142	4.95 ug/L	99 07
) 1,2-dibromoethane	<b>T</b>	L29	149194	4.88 ug/L	97 96
) chlorobenzene			128529	5.13 ug/L #	90 97
) 1,1,1,2-tetrachloroethane	6.24 j		430666	5.13 ug/L	92
) ethylbenzene	6.19 1 6.40		143401	5.01 ug/L #	1
) m+p xylene	<b>.</b>	91 .06	692630 539341	4.87 ug/L	98
) o-xylène ) styrene			267046	9.96 ug/l 4.78 ug/L	93 96

(#) = qualifier out of range (m) = manual integration 01090905.D VS010909.M Wed Jan 14 17:34:10 2009

GCMSV4

Page 1

Quantitation Report

(QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\010909\01090905.DVial: 5Acq On : 9 Jan 2009 6:12 pmOperator:Sample : soil stnd 5ug/KgInst : GCMSV4Misc : KM010909Multiplr: 1.00MS Integration Params: events.eMultiplr: 1.00Quant Time: Jan 12 10:12:23 2009Quant Results File: VS010909.RESQuant 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		
56) isopropylbenzene	7.13	105	669774	4.59 ug/L	98
57) 1,1,2,2-tetrachloroethane	6.83	83	147517	5.27 ug/L	98
58) 1,2,3-trichloropropane	6.94	75	113157	5.19 ug/L	93
59) n-propylbenzene	7.46	91	716132	5.43 ug/L	99
60) bromobenzene	7.28		164625	4.97 ug/L	96
61) p-ethyltoluene	7.59		658923	5.07 ug/L	
62) 1,3,5-trimethylbenzene	7.70	120	249411	5.13 ug/L	99
63) 2-chlorotoluene	7.52	126		4.77 ug/L	98
64) 4-chlorotoluene	7.58	126	$162191 \\ 162992$	5.22 ug/L	94
65) tert-butylbenzene	7.90	134	++	5.08 ug/L	79
66) 1,2,4-trimethylbenzene	7.99	105	118598	5.06 ug/L	96
67) sec-butylbenzene	8.07	105	503553	4.83 ug/L	96
68) 4-isopropyltoluene	8.22	119	659300	4.86 ug/L	99
69) 1,3-dichlorobenzene	8.10	146	560968	5.00 ug/L	97
70) 1,4-dichlorobenzene	8.15	146	304658	4.84 ug/L	93
71) 1,2,3-trimethylbenzene	8.31	146	339282m	5.37 ug/L	
72) n-butylbenzene	8.53	105 92	512718	4.83 ug/L	99
73) p-diethylbenzene	8.52		268331	5.04 ug/L	# 78
74) 1,2-dichlorobenzene	8.42	119	308927	4.87 ug/L	90
75) 1,2,4,5-tetramethylbenzene	8.42 9.26	146	298939	5.00 ug/L	96
76) 1,2-dibromo-3-chloropropan	9.20	119	571243	4.80 ug/L	92
77) 1,2,4-trichlorobenzene		157	26200	5.17 ug/L	95
78) hexachlorobutadiene	9.85	180	161126	5.50 ug/L	96
79) naphthalene	10.10		84239	5.22 ug/L	92
80) 1,2,3-trichlorobenzene	10.03	128	285115	4.85 ug/L	96
, , , , , , , , , , , , , , , , , , ,	10.19	180	133691	5.36 ug/L	91

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1 1000	A FILE : C: MSDCHEM 0n : 9 Jan 200 ple : soil stud C : KM010909 Integration Params:	Jan 12	C:∖M	Mon Jan Initial												0410110	angens Bridde Bridde Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Bridder Brid Bridder Bridder Bridder Bridder Bridder Bridder Bridder Brid	HSANAS HISASHS		0 1.00 1.50
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Page 3

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n				on Report	(QT Reviewed)	
- De À(	ta File : C:\MSDCHEM\1\DATA\01 q On : 9 Jan 2009 6:34 r	09\0109	€0/09		Vial: 6	
Se	q On : 9 Jan 2009 6:34 F mple : soil stnd 10ug/Kg	om			perator:	
1,1	SC : KM010909			1 M	nst : GCMSV4 ultiplr: 1.00	
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Qu	ant Time: Jan 12 10:12:25 2009	•	Ç	Quant Resul	ts File: VS0109	09.RES
Ou	ant Method : C:\MSDCUEW\1\MEm	000				
Ťi	ant Method : C:\MSDCHEM\1\METH tle :	$ODS \setminus VS 0$	10909	.M (Chemst	ation Integrato	r)
La	st Update : Mon Jan 12 10:09:	05 2009				
ке	sponse via : Initial Calibrati	on				
Da	taAcq Meth : VOAN182					
I	nternal Standards	n a	<b></b>			
		N+I+	QIon		Conc Units Dev	/(Min)
	1) pentafluorobenzene	3.38	168	3224057	50.00 ug/L	0.00
	24) 1,4-difluorobenzene 42) chlorobenzene-d5	3.93	114	4689018 2119976	50.00 ug/L	0.00
	42) chlorobenzene-d5 55) 1,4-dichlorobenzene-d4	6.22 8.13	82	2119976		0.00
		0+13	125	2354774	50.00 ug/L	0.00
S	ystem Monitoring Compounds					
	27) 1,2-dichloroethane-d4	3.39			48.56 ug/L	0.00
2	37) toluene-d8 41) 4-bromofluorobenzene		98	5592008	49.37 ug/L	0.00
	-, - ~ ~ omorrdorone#2606	7.14	174	1582868	46.62 ug/L	0.00
Τé	arget Compounds				<b>A</b>	
	2) dichlorodifluoromethane	1.19	85	442831	Ων 11.83 ug/L	alue
	3) chlorodífluoromethane 4) chloromethane	1.17	51		10.55 ug/L	95 97
	<ol> <li>4) chloromethane</li> <li>5) vinyl chloride</li> </ol>	1.26	50		12.08 ug/L	~ .
	6) bromomethane	1.33	62		11.30 ug/L	100
	7) chloroethane	1.48 1.53	96 64		10.39 ug/L	97
	8) trichlorofluoromethane	1.76	101		11.43 ug/L 11.14 ug/L	98
-	9) freon	2.12	151		11.08 ug/L	97 96
	0) acetone 1) 1,1-dichloroethene	1.82	58	101010	45.67 ug/L	69
1	2) methylene chloride	2.01	96		10.95 ug/L	84
1	3) carbon disulfide	2.08 2.20	84 76	457371	9.50 ug/L	95
1	<ol> <li>tert-butylmethylether</li> </ol>	2.20	73	1110339 723051		99
1	5) trans-1,2-dichloroethene	2.44	96	326989	9.67 ug/L # 10.79 ug/L	98
1	6) vinyl acetate	2.66	43	3360336	47.85 ug/L	99 100
1	7) 1,1-dichloroethane 8) methyl ethyl ketone	2.57	63	604590	10.50 ug/L	96
1	9) 2,2-dichloropropane	2.83 3.08	72	157573 359412	53.80 ug/L	77
2	0) cis-1,2-dichloroethene	2.91	96	359412 359516	9.71 ug/L	98
- 2	1) chloroform	3.03	83	645736	10.32 ug/L 10.87 ug/L	97
2	2) bromochloromethane	3.00	128	177798	10.44 ug/L #	100 80
2	<pre>3) 1,1,1-trichloroethane 5) 1,1-dichloropropene</pre>	3.50	97	472329	10.19 ug/L #	88
2	6) carbon tetrachloride	3.62	75	433465	10.58 ug/L	97
2	8) 1,2-dichloroethane	3.73 3.43	119 62	403257 427661m	10.24 ug/L	96
2	9) benzene	3,76	62 78	427661m 1320120	10.97 ug/L 10.57 ug/L	100
3	0) trichloroethene	4.19	95	327783	10.57 ug/L	100 96
3	1) 1,2-dichloropropane	4.16	63	328920	10.39 ug/L	99
3	2) bromodichloromethane 3) dibromomethane	4.22	83	431083	10.18 ug/L	99
34	4) 2-chloroethylvinylether	4.13 4.54	93 62	174564	10.32 ug/L	95
3	5) 4-methyl-2-pentanone	4.54	63 43	119666 1300748	8.60 ug/L #	84
3 (	5) cis-1,3-dichloropropene	4.67	43 75	423141	47.93 ug/L 9.75 ug/L	96
	3) toluene	5.22	91	1420556	10.62 ug/L	97 100
3 S	)) trans-1,3-dichloropropene	4.98	75	347927	9.64 ug/L	99
4	)) 1,1,2-trichloroethane 3) 2-hexanone	5.08	83	214232	10.56 ug/L	96
44	<ul><li>) 1,3-dichloropropane</li></ul>	5.40 5.26	43	891121	47.61 ug/L	97
45	) tetrachloroethene	5.26	76 166	459988 314566	10.26 ug/L	99
46	) dibromochloromethane	5.44	129	294227	10.14 ug/L 9.77 ug/L	95
47	) 1,2-dibromoethane	5.61	107	244988	9.93 ug/L #	92 94
	) chlorobenzene	6.24	112	859652	10.40 ug/L	94 94
50	) 1,1,1,2-tetrachloroethane ) ethylbenzene		131	272811	9.66 ug/L #	1
	) m+p xylene	6.40 6.55	91 106	1411267	10.06 ug/L	100
52	) o-xylene		106 106	1096484 543854	10.06 ug/L 20.51 ug/1 9.88 ug/L 9.39 ug/L	92
53	) styrene	6 70	104	543854 829163	9.88 ug/L 9.39 ug/L	95 07
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(#) = qualifier out of range (m) = manual integration 01090906.D VS010909.M Wed Jan 14 17:34:12 2009 Page 404

### Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\010909\01090906.DVial: 6Acq On: 9 Jan 20096:34 pmOperator:Sample: soil stnd 10ug/KgInst: GCMSV4Misc: KM010909Multiplr: 1.00MS Integration Params: events.eQuant Time: Jan 12 10:12:25 2009Quant Results File: VS010909.RESQuant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)ITitle:Last Update: Mon Jan 12 10:09:05 2009Response via : Initial CalibrationDataAcq Meth : VOAN182

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
54)	bromoform	6.60	173	165401	0 80 wa/T	
56)	isopropylbenzene	7.13	105	1327400	9.40 ug/L	91
57)	1,1,2,2-tetrachloroethane	6.83	83	295188	10.30 ug/L 10.27 ug/L	99
58)	1,2,3-trichloropropane	6.94	75	226856		93
59)	n-propylbenzene	7.46	91	1495127	10.78 ug/L	98
	bromobenzene	7.29		350018	10.24 ug/L	98
61)	p-ethyltoluene	7.59	105	1364748	10.67 ug/L	88
62)	1,3,5-trimethylbenzene	7.70	120	533012	10.46 ug/L	99
63)	2-chlorotoluene	7.52	126	333141	10.06 ug/L 10.61 ug/L	99
64)	4-chlorotoluene	7.58	126	326821	10.05 ug/L	97
65)	tert-butylbenzene	7.90	134	238204	10.04 ug/L	81
66)	1,2,4-trimethylbenzene	7.99	105	1039761		92
67)	sec-butylbenzene	8.07	105	1334083	9.84 ug/L 9.71 ug/L	100
68)	4-isopropyltoluene	8.22	119	1124935	9.89 ug/L	98
69)	1,3-dichlorobenzene	8.10	146	649312		97
70)	1,4-dichlorobenzene	8.15	146	690876	10.19 ug/L	97
71)	1,2,3-trimethylbenzene	8.31	105	1079629	10.79 ug/L	96
72)	n-buty1benzene	8.53	92	566033	10.03 ug/L	100
73)	p-diethylbenzene	8.52	119	666338	10.45 ug/L	
74)	1,2-dichlorobenzene	8.42	146	626692	10.34 ug/L	93
75)	1,2,4,5-tetramethvlbenzene	9.26	119	1282172	10.36 ug/L	100
76)	1,2-dibromo-3-chloropropan	8.78	157	46350	10.61 ug/L	98
77)	1,2,4-trichlorobenzene	9.84	180	333792	9.03 ug/L	86
78)	hexachlorobutadiene	10.10	225		11.19 ug/L	97
79)	naphthalene	10.03	128	172212	10.52 ug/L	97
80)	1,2,3-trichlorobenzene	10.03	128	676728	11.29 ug/L	98
		TO*13	190	281993	11.11 ug/L	90

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									i-trichiorobenzene Talene Cillorobutadiene Cillorobenzene	iyoed 🔅	10.00	
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		Quanti	tatio	on Report	(QT Reviewed)	
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Sample	: soil stnd 20ug/Kg	pm			perator:	
Misc	: KM010909			.l. M	nst : GCMSV4 ultiplr: 1.00	
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	fime: Jan 12 10:12:27 200				ts File: VS0109	
Quant M Title	fethod : C:\MSDCHEM\1\MET	HODS\VS0	10909	•M (Chemst	ation Integrato	r)
	odate : Mon Jan 12 10:09					-
Respons	e via : Initial Calibrat	ion				
DataAcg	Meth : VOAN182					
	al Standards	R.T.	QION	Response	Conc Units De	v(Min)
1) p	entafluorobenzene ,4-dífluorobenzene hlorobenzene-d5 4-díchlorobenzene d4	3.39	168	3417986	50.00 ug/t.	
24) 1 42) a	,4-difiuorobenzene	3.94	114	4901228 2237193	50.00 ug/L	0.00
- <del></del>	,4-dichlorobenzene-d4	6.22	82	2237193	50.00 ug/L 50.00 ug/L	0.00
		8.13	152	2553073	50.00 ug/L	0.00
System	Monitoring Compounds					
- 27) 1 - 37) +	,2-dichloroethane-d4 oluene-d8	3.39				0.00
41) 4	-bromofluorobenzene		98			0.00
		7.14	174	1734809	48.88 ug/L	0.00
Target	Compounds				0	value
2) d	ichlorodifluoromethane	1.20	85	800137		99 yarne
3)C. 4) e	hlorodifluoromethane hloromethane	1.17	51		19.31 ug/L	99
	inyl chloride	1.27 1.34	50	920635m	20.78 ug/L	
6) bi	romomethane	$1.34 \\ 1.49$	6Z 96	974099 427460	20.10 ug/L	98
7) cl	hloroethane	1.54	64	427469 593849	19.87 ug/L 21.35 ug/L	100
	richlorofluoromethane	1.77	101	1144471	20.67 ug/L	98 98
9) fi		2.12	151	$573187 \\ 241673$	20.77 ug/L	99
	cetone ,1-dichloroethene	1.82	58	241673		90
12) me	ethylene chloride	2.02 2.09	96	588836 785836	20.78 ug/L	89
-13) ca	arbon disulfide	2.09	°4 76		18.95 ug/L	93
14) te	ert-butylmethylether	2.51	73		20.69 ug/L 20.36 ug/L	98 99
15) tr	ans-1,2-dichloroethene	2.44	96		20.28 ug/L	97
10) VI	inyl acetate 1-dichloroethane	2.66	43	7481743	99.30 ug/L	100
18) me	sthyl ethyl ketone	2.58	63	1252875	20.46 ug/L	99
19) 2,	2-dichloropropane	2.83 3.08	72	311845 795628	99.95 ug/L	95
20) ci	s-1,2-dichloroethene	2.91	96	754049	20.00 ug/L 20.34 ug/L	99
21) ch	loroform	3.04	83	1319681	20.94 ug/L	98 100
22) br	omochloromethane	3.01	128	383693	21.22 ug/L	91
$\frac{23}{2511}$	1,1-trichloroethane 1-dichloropropene	3.50	97	990949	20.07 ug/L #	77
26) ca	rbon tetrachloride	3.63 3.74	75 110	885384	20.53 ug/L	98
28) 1,	2-dichloroethane	3.43	$\frac{119}{62}$	847316 885038m	20.40 ug/L # 21.63 ug/L	97
29) be	nzene	3.76	78	2731374	21.63 ug/L 20.78 ug/L	100
30) tr	ichloroethene	4.19	95	694241	21.21 ug/L	99
321 hr	2-dichloropropane omodichloromethane	4.16	63	666366	20.04 ug/L	98
33) di	bromomethane	4.22	83	902037	20.23 ug/L	97
34) 2-	chloroethylvinylether	4.13 4.54	93 63	366098 290648	20.57 ug/L	97
35) 4-	methy1-2-pentanone	4.77	43	290848	19.82 ug/L # 103.66 ug/L	93 97
36) ci	s-1,3-dichloropropene	4.68	75	900710	19.63 ug/L	97
38) to		5.23	91	2928540	20.77 ug/L	99
39) LE 401 1	ans-1,3-dichloropropene 1,2-trichloroethane	4.99	75	760304	19.81 ug/L	100
	hexanone	5.09 5.40	83 43	419448	19.68 ug/L	97
44) 1,	3-dichloropropane	5+40 5+26	43 76	2013006 973949	101.70 ug/L	99
45) te	trachloroethene	5.75	166	973949 652998	20.69 ug/L 20.01 ug/L	98
46) di	bromochloromethane	5.44	129	627650	19.78 ug/L	98 95
47) 1,	2-dibromoethane	5.61	107	522787	20.16 ug/L	97
	lorobenzene 1,1,2-tetrachloroethane	6.24	112	1745622	20.07 ug/L	95
50) etl	ylbenzene	6.19 6.40	131	607990	20.43 ug/L #	1
51) m+j	o xylene	6.55	91 106	2986062 2291411	20.17 ug/L	99
52) o-2	kylene	6.85		1179956	40.45 ug/l 20.33 ug/L	96 99
53) sty	/rene	6.79	104	1862796	19.96 ug/L	99 91

(#) = qualifier out of range (m) = manual integration 01090907.D VS010909.M Wed Jan 14 17:34:14 2009 Page 407

### Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\010909\01090907.DVial: 7Acq On: 9 Jan 20096:56 pmOperator:Sample: soil stnd 20ug/KgInst: GCMSV4Misc: KM010909Multiplr: 1.00MS Integration Params: events.eQuant Time: Jan 12 10:12:27 2009Quant Results File: VS010909.RESQuant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator):Title:Last Update : Mon Jan 12 10:09:05 2009Response via : Initial CalibrationDataAcq Meth : VOAN182

Compound	R.T.	QION	Response	Conc Unit	Qvalue
54) bromoform	6.60	173	357412	10 30 100/1	~~~~
56) isopropylbenzene	7.13	105	2870389	19.20 ug/L	
57) 1,1,2,2-tetrachloroethane	6.83		664169	20.40 ug/L	
58) 1,2,3-trichloropropane	6.94	75	474629	21.23 ug/L	
59) n-propylbenzene	7.46	91	3255976	20.78 ug/L 20.40 ug/L	
60) bromobenzene	7.28		713400	_	
61) p-ethyltoluene	7.59		2960639	19.96 ug/L	
62) 1,3,5-trimethylbenzene	7.70	120	1160616	20.68 ug/L	98
63) 2-chlorotoluene	7.52	126	699453	20.05 ug/L	
64) 4-chlorotoluene	7.58		740162	20.47 ug/L	92
65) tert-butylbenzene	7,90	134	525201	20.84 ug/L	83
66) 1,2,4-trimethylbenzene	7.99	105	2350375	20.26 ug/L	93
67) sec-butylbenzene	8.07	105	3088474	20.31 ug/L	98
68) 4-isopropyltoluene	8.22	119	2534100	20.53 ug/L	99
69) 1,3-dichlorobenzene	8.10	146	1477108	20.33 ug/L	98
70) 1,4-dichlorobenzene	8.15	146		21.23 ug/L	99
71) 1,2,3-trimethylbenzene	8.31	105	1450369	20.76 ug/L	98
72) n-butylbenzene	8.53	92	2348017	19.97 ug/L	100
73) p-diethylbenzene	8.52	119	1215573	20.39 ug/L	
74) 1,2-dichlorobenzene	8.42		1430723	20.18 ug/L	96
75) 1,2,4,5-tetramethylbenzene	9.26	146	1364064	20.69 ug/L	99
76) 1,2-dibromo-3-chloropropan	-	119	2618337	19.74 ug/L	97
77) 1,2,4-trichlorobenzene	8.78	157	115245	20.50 ug/L	93
78) hexachlorobutadiene	9.85	180	652407	19.92 ug/L	96
79) naphthalene	10.10	225	358671	20.05 ug/L	99
80) 1,2,3-trichlorobenzene	10.03	128	1261454	19.15 ug/L	98
vv, i,2,3-crichtoropeuseue	10.19	180	543081	19.51 ug/L	93

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Acq	File : C:\MSDCHEM\1\DATA\0 On : 9 Jan 2009 7:18	109\0109 pm	09\01		Vial: 8	
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nesp	onse via : Initial Calibrat. Acq Meth : VOAN182	ion				
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1	) pentafluorobenzene	3.38	168	3572247	50.00 ug/L	0.00
42	) 1,4-difluorobenzene ) chlorobenzene-d5	3.93			50.00 ug/L	0.00
55	) 1,4-dichlorobenzene-d4	6.21	82	2436048	50.00 ug/L	0.00
		8.13	152	2899396	50.00 ug/L	0.00
Syst	em Monitoring Compounds					
- 27)	1,2-dichloroethane-d4	3.39	102	369185	52.61 uq/L	0 00
57) A1V	toluene-d8	5.17	98		50.72 ug/L	0.00
41)	4-bromofluorobenzene	7.14	174	1914616	51.66 ug/L	0.00
Tarq	et Compounds				-	
2)	dichlorodifluoromethane	1,19	85	2079932		value
3)	chlorodifluoromethane	1.16	51		50.45 ug/L 50.06 ug/L	99
4)	chloromethane	1.26	50			
5)	vinyl chloride bromomethane	1.33	62		49.83 ug/L	100
71	chloroethane	1.48	96		51.28 ug/L	97
8)	trichlorofluoromethane	1.53	64		48.82 ug/L	99
9ý	freon	$1.76 \\ 2.12$	101		50.01 ug/L	98
	acetone	1.81	151 58	1483518 627757	51.04 ug/L	98
11)	1,1-dichloroethene	2.01		1493601	253.13 ug/L 50.03 ug/L	99
12)	methylene chloride	2.08	84		51.53 ug/L	87
13)	carbon disulfide	2.20	76		50.31 ug/L	96 100
14) 15)	tert-butylmethylether	2.50	73	4347635	50.64 ug/L	99
16)	trans-1,2-dichloroethene vinyl acetate	2.44	96	1712443	50.44 ug/L	99
17)	1,1-dichloroethane	2.66 2.57		20579204	252.50 ug/L	100
18)	methyl ethyl ketone	2.87		3259595	50.45 ug/L	98
19)	2,2-dichloropropane	3.08	77	820502 2176999	247.84 ug/L	98
20)	cis-1,2-dichloroethene	2.90	96	1969054	50.38 ug/L 50.26 ug/L	99
21)	chloroform	3.03	83	3317857	49.91 ug/L	96 99
221	bromochloromethane 1,1,1-trichloroethane	3.00	128	930718	49.08 ug/L	87
25)	1,1-dichloropropene	3.50	97	2636041	50.42 ug/L #	84
26)	carbon tetrachloride	3.62	75	2358670	51.28 ug/L	98
28)	1,2-dichloroethane	3.73 3.43	119 62	2266188	50.90 ug/L	97
29)	benzene	3.76	78	2239402m 7125664	51.77 ug/L 50.84 ug/L	~ ~
30)	trichloroethene	4.19	95	1755720	50.84 ug/L 50.47 ug/L	99
31)	1,2-dichloropropane	4 16	63	1808636	51.24 ug/L	97 98
331	bromodichloromethane dibromomethane	4.22	83	2402969	50.53 ug/L	99
341	2-chloroethylvinylether	4.13	93	955230	50.48 ug/L	95
35)	4-methy1-2-pentanone	4.54	63	798963	51.02 ug/L	93
36)	cis-1,3-dichloropropene	4.77 4.67	43 75	8147586	258.26 ug/L	96
38)	toluene	5.22	91	2596807 7740737	52.13 ug/L	96
39)	trans-1,3-dichloropropene	4.98	75	2189243	51.19 ug/L	100
40)	1,1,2-trichloroethane	5.08	83	1165554	51.76 ug/L 51.40 ug/L	99 98
43) 111	2-hexanone	5.39	43	5534394	255.30 ug/L	99
44) 45)	1,3-dichloropropane tetrachloroethene	5,26	76	2543996	50.36 ug/L	97
46) 46)	dibromochloromethane	5.75	166	1796389	51.11 ug/L	97
47)	1,2-dibromoethane		129	1767745	51.42 ug/L	95
48)	chlorobenzene		107	1401505	50.21 ug/L	96
49) .	1,1,1,2-tetrachloroethane		112	4814045	51.38 ug/L	97
50) (	ethylbenzene	6.40		1633025	50.50 ug/L	96
51) 1	m+p xylene			8361182 6413019	51.82 ug/L 102.74 ug/l	98 05
521 /	o-xylene			3214813	50.99 ug/L	95 97
	styrene					

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Quantitation Report (QT Reviewed) Data File : C:\MSDCHEM\1\DATA\0109\010909\0109098.D Vial: 8 Acq On : 9 Jan 2009 7:18 pm Operator: : soil stnd 50ug/Kg Sample Inst : GCMSV4 : KM010909 Misc 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
	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	98
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
	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
	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
	sec-butylbenzene	8.07	105	8979618	51.13 ug/L	99
	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
	n-butylbenzene	8.53	92	3689380	52.04 ug/L	
73)	p-diethylbenzene	8.52	119	4352542	51.76 ug/L	# 81 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 99
79)	naphthalene	10.03	128	4178325	52.92 ug/L	99
80)	1,2,3-trichlorobenzene	10.19	180	1730548	52.40 ug/L	
					52. <del>4</del> 5 uy/n	90

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(Or seviewed)		nomobrizene 2-chiorolula	7.50 8.00	
\$} , , , , , , , , , , , , , , , , , , ,	w+b xλjeve         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0 <th< td=""><td>1,1,2.1etraceptional bromotorm 31,2,3-trichioropropane</td><td>0 6.50 7.00</td><td></td></th<>	1,1,2.1etraceptional bromotorm 31,2,3-trichioropropane	0 6.50 7.00	
Preserve Carlon N		ชัญ (1,1,2-เกียวการคราย 1,1,2-เกียวการการคราย 1,3-เกียวการการการการการการการการการการการการการก	5.00 5.50 6.00	GCMSV4
(0): <b>100 m</b>	δ e Σ 0	1,1-dichloropropene       1,1-dichloropropene       1,1-dichloropropene       1,4-diffuorobenzi       1,4-diffuorobenzi       1,1-diffuoropropene	4.00 4.50	:34:17 2009
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ingeration in the second second	MSDCHEM(1)DATA         Jan 2009         Jan 2009         7:1         Jan 2009         7:1         010909         Rerems: events         010102         010202         010202         010202         010202         010202         010202         012         012         012         012         012         012         012         012         012         012         012         012         012         012         012         012         012         012         012         012         012         012         012         012         012         012         012         012         012         012         012         012         012         012         013         014         015 <td>acefone trichlorofituoromethane triangle carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon dis</td> <td>0 2.00 2.50</td> <td>f wed</td>	acefone trichlorofituoromethane triangle carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon displayable carbon dis	0 2.00 2.50	f wed
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4		Ouant i	tati	on Report		<b>.</b> .
÷	Data File : C:\MSDCHEM\1\DATA\01				(QT Revie	wed)
		m 03/0103	09\0		Vial: 9 perator:	
	Sample : soil stnd 100ug/Kg Misc : KM010909				nst : GCI	MSV4
	MS Integration Params: events.e			М	ultiplr: 1.0	
	Quant Time: Jan 12 10:12:31 2009			Quant Resul	ts File: VS(	110909 PFC
	Quant Method : C:\MSDCHEM\1\MEMU					
4	Quant Method : C:\MSDCHEM\1\METHO Title :			9.M (Chemst	ation Integ	ator)
	Last Update : Mon Jan 12 10:09:0 Response via : Initial Calibratic	05 2009				
	DataAcq Meth : VOAN182	on				
	Internal Standards					
		R.T.		n Response	Conc Units	Dev(Min)
	1) pentafluorobenzene 24) 1,4-difluorobenzene	3.39			50.00 ug/	L 0.00
		3,93	114	¥ 5871033 2 2907101	50.00 ug/	L 0.00
	42) chlorobenzene-d5 55) 1,4-dichlorobenzene-d4	8.14	152		50.00 ug/ 50.00 ug/	L 0.00 L 0.00
	System Monitoring Compounds				ug/	
	27) 1,2-dichloroethane-d4	3.38	102	395904m	10 10 10 10	* 0.00
	37) toluene-d8	5.18	98	395904m 37056011	49.19 ug/ 49.75 ug/	L 0.00 L 0.00
	41) 4-bromofluorobenzene	7.14	174		51.70 ug/	L 0.00
: : :	Target Compounds					Qvalue
	<ol> <li>2) dichlorodifluoromethane</li> <li>3) chlorodifluoromethane</li> </ol>	1.20	85		******* uu	և 98
i.	4) chloromethane	$1.16 \\ 1.27$	51			L
	5) vinyl chloride	1.33	50 62	4813289 5237804		L 98
	6) bromomethane 7) chloroethane	1.48	96	2670997	97.46 ug/1	և 100 և 97
	8) trichlorofluoromethane	1.54		3045512	94.65 ug/1	և 98
	9) freon	2.12	151		95.25 ug/1 94.52 ug/1	L 97
	10) acetone 11) 1,1-dichloroethene	1.81	58		483.83 ug/1	L 100 L 96
	12) methylene chloride	2.01 2.09	96		96.18 ug/1	L 87
	13) carbon disulfide	2.09	84 76	4141390 12910939	99.13 ug/1 96.29 ug/1	
	14) tert-butylmethylether 15) trans-1,2-dichloroethene	2.50	73	9969455	98.71 ug/1	4 100 5 99
	16) vinyl acetate	2.44 2.66	96		96.35 ug/I	99
	17) 1,1-dichloroethane	2.58	43 63	48866682 7152113	502.82 ug/I 96.56 ug/I	
	<pre>18) methyl ethyl ketone 19) 2,2-dichloropropane</pre>	2.82	72	1891047	493.20 ug/I	96
	20) cis-1,2-dichloroethene	3.08 2.91	77 96		100.10 ug/I	, 99
	21) chloroform	3.03	83	4419238 7278394	98.06 ug/1 95.78 ug/1	i 95 i 98
	<pre>22) bromochloromethane 23) 1,1,1-trichloroethane</pre>	3.00	128	2106161	97.68 ug/L	91
	25) 1,1-dichloropropene	3.50 3.62	97 75	5934886 5227381	98.42 ug/L	# 82
	26) carbon tetrachloride	3.73	119		96.11 ug/L 97.55 ug/L	97 96
	28) 1,2-dichloroethane 29) benzene	3.44	62	4660122	92.41 ug/L	# 96
	30) trichloroethene	3.76 4.19	78 95	15932281 3934301	96.09 ug/L	
	31) 1,2-dichloropropane	4.16	63	4027558	96.00 ug/L 97.17 ug/L	98 98
	32) bromodichloromethane 33) dibromomethane	4.22	83	5546508	98.43 ug/L	98
	34) 2-chloroethylvinylether	4.13 4.54	93 63	2172489 1888763	97.38 ug/L	94
	35) 4-methyl-2-pentanone	4.77		18856345	101.51 ug/L 488.49 ug/L	# 92 96
	36) cis-1,3-dichloropropene 38) toluene	4.67	75	5924540	98.37 ug/L	96
	39) trans-1,3-dichloropropene	5.23 4.99	91 75	17163765 5195398	95.34 ug/L 99.34 ug/L	98
	40) 1,1,2-trichloroethane	5.09	83	2595403	97.21 ug/L	99 97
	<pre>43) 2-hexanone 44) 1,3-dichloropropane</pre>	5.40		12931775	495.41 ug/L	100
	45) tetrachloroethene	5.26 5.75	76 166	5688852 3948321	96.56 ug/L	
	46) dibromochloromethane	5.44	129	4031760	95.65 ug/L 99.04 ug/L	96 95
	<ul><li>47) 1,2-dibromoethane</li><li>48) chlorobenzene</li></ul>	5.61	107	3242453	99.25 ug/L	98
	49) 1,1,1,2-tetrachloroethane	6.24 6.19	112 131	10641174 3809339	96.66 ug/L	96
	50) ethylbenzene			18724623	99.09 ug/L 97.13 ug/L	# 77 99
	51) m+p xylene 52) o-xylene	6.55	106	14734626	97.13 ug/L 194.43 ug/l	95
	53) styrene	6 70	106 104	7386826	98.51 ug/L 99.29 ug/L	96
-	<pre>#) = qualifier out of range (m) =</pre>					100
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### 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

Comp	ound	R.T.	QION	Response	Conc Unit	Qvalue
54) brom		6.60	173	2510117	301 66	
56) isop	ropylbenzene	7.13		18760124	101.66 ug/L	95
57) 1,1,	2,2-tetrachloroethane	6.84		4055373	97.99 ug/L	98
58) 1,2,	3-trichloropropane	6.94	75	2906314	97.87 ug/L	96
59) n-pr	opylbenzene	7.46	91	21428060	97.93 ug/L	99
60) brom	obenzene	7.28		4694852	98.13 ug/L	98
61) p-et	hyltoluene	7.59		19552329	98.61 ug/L	89
62) 1,3,	5-trimethylbenzene	7.70	120	7750008	97.56 ug/L	98
63) 2-ch	lorotoluene	7.52		4412113	98.22 ug/L	98
64) 4-ch	lorotoluene	7.58		4712743	97.46 ug/L	88
65) tert	-butylbenzene	7.90	134	3463386	97.84 ug/L	77
66) 1,2,	4-trimethylbenzene	7.99		15734449	98.37 ug/L	87
67) sec-	butylbenzene	8.07	105	20359819	98.09 ug/L	97
68) 4-is	opropyltoluene	8.22		16785312	98.28 ug/L	99
69) 1,3-0	lichlorobenzene	8.10	146	9068540	97.26 ug/L	98
70) 1,4-	dichlorobenzene	8.15	140		97.09 ug/L	98
71) 1,2,	3-trimethylbenzene	8.31		9101010	96.34 ug/L	99
72) n-but	tylbenzene	8.53		15716532	98.12 ug/L	100
73) p-die	ethylbenzene	8.52	92	8184781	95.96 ug/L	
74) 1,2-0	lichlorobenzene	8.42	119	9804320	97.06 ug/L	96
75) 1.2.4	,5-tetramethylbenzene	8.42 9.26	146	8481293	96.57 ug/L	98
76) 1.2-0	libromo-3-chloropropan			17915501	95.72 ug/L	96
77) 1.2.4	-trichlorobenzene	8.78	157	780465	100.72 ug/L	92
78) hexad	chlorobutadiene	9.85	180	4442420	95.21 ug/L	98
79) napht		10.10	225	2303453	94.21 ug/L	97
80) 1.2	-trichlorobenzene	10.03	128	9119711	95.68 ug/L	98
	er rourorobellzelle	10.19	180	3757765	95.24 ug/L	91

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	Internal Standards	R.T.	QION	Response	Conc Unit	s Dev(Min)
	1) pentafluorobenzene			ي. ي سن سن بين من من من من من من من من من من		
	24) 1,4-difluorobenzene	3.39	$168 \\ 114$	6260039	50 00 10	/L 0.00
	42) chlorobenzene-d5 55) 1,4-dichlorobenzene-d4	0+22	82	3469213	50.00 ug/	
	55) 1,4-dichtorobenzene-d4	8.14	152	3682033		
	System Monitoring Compounds					
	27) 1,2-dichloroethane-d4 37) toluene-d8	3.39	102	412200m	48.03 ug/	'L 0.00
	41) 4-bromofluorobenzene	5.18 7.14	98			L 0.00
		7 • 14	174	2473181	54.56 ug/	L 0.00
(N) 201	Target Compounds					Qvalue
	<ol> <li>2) dichlorodifluoromethane</li> <li>3) chlorodifluoromethane</li> </ol>	1.20		10210035	201.80 ug/	Ъ 97
	4) chloromethane	1.17 1.27	51	12027096 11542468	202.46 ug/	f
	5) vinyl chloride	1.33	62	11633679	208.86 ug/ 202.55 ug/	
	6) bromomethane 7) chloroethane	1.49	96	6724724	200.82 ug/	L 99
	8) trichlorofluoromethane	1.54 1.77	64 101	7051477 15190122	202.95 ug/	
	9) freon	2.12	151	7675423	202.15 ug/ 202.25 ug/	
	10) acetone	1.82	58	3275486	1006.38 ug/	L 97
	11) 1,1-dichloroethene 12) methylene chloride	2.02 2.09	96	7889177	201.68 ug/	L 88
	13) carbon disulfide	2.09	84 76	9695664 31146045	200.28 ug/ 201.57 ug/	
	14) tert-butylmethylether	2,51	73	24429369	201.57 ug/ 200.41 ug/	
	15) trans-1,2-dichloroethene 16) vinyl acetate	2.44	96	8987295	201.55 ug/	L 99
$\frac{1}{2}$	17) 1,1-dichloroethane	2.66 2.58		119297291 17162234	998.48 ug	/L 99
1	18) methyl ethyl ketone	2.83			201.44 ug/ 1003.37 ug/	L 99 L 99
	<pre>19) 2,2-dichloropropane 20) cis-1,2-dichloroethene</pre>	3.08	77	12895665	199.90 ug/	L 99
	21) chloroform	2.91 3.04		10463856 17542620	200.80 ug/	
	22) bromochloromethane	3.01		4896564	201.90 ug/1 201.21 ug/1	
	23) 1,1,1-trichloroethane	3.50	97	14020498	200.16 ug/1	L # 82
	25) 1,1-dichloropropene 26) carbon tetrachloride	3.63		12498857	201.39 ug/1	ն 98
	28) 1,2-dichloroethane	3.74 3.44		12309498 10924897	200.84 ug/1 195.29 ug/1	
	29) benzene	3.76		38131281	201.47 ug/1	Li# 98 ≟ 98
	30) trichloroethene 31) 1,2-dichloropropane	4.19		9348327	201.57 ug/1	u 98
	32) bromodichloromethane	4.16 4.22	63 83 1	9347594 L2872230	200.96 ug/I	98
	33) dibromomethane	4.13	93	5067554	200.56 ug/I 201.01 ug/I	u 99 U 96
	34) 2-chloroethylvinylether 35) 4-methyl-2-pentanone	4.54		4215419	199.14 ug/1	µ# 93
	36) cis-1,3-dichloropropene	$4.77 \\ 4.68$		7054054 : 4316116	1003.00 ug/I	
	38) toluene	5.23		2117121	200.32 ug/I 201.68 ug/I	
	39) trans-1,3-dichloropropene	4.99	75 1	2723552	198.32 ug/I	
	<pre>40) 1,1,2-trichloroethane 43) 2-hexanone</pre>	5.09 5.40	83	6056000	200.96 ug/L	97
	44) 1,3-dichloropropane	5.26		1766891 1 3513485	1000.93 ug/1 203.04 ug/1	
	45) tetrachloroethene	5.75	166	9628037	203.35 ug/L	
	<pre>46) dibromochloromethane 47) 1,2-dibromoethane</pre>	5.44		9564044	200.17 ug/L	96
	48) chlorobenzene	5.61 6.24	107	7493921 5499270	200.33 ug/L	
	49) 1,1,1,2-tetrachloroethane	6.19		9116474	201.38 ug/L 200.30 ug/L	
	50) ethylbenzene 51) m+p xylene	6.40	91 4	6357290	200.96 ug/L	9.9
	51) M+p xylene 52) o-xylene	6.56 6.85	106 3	7758051	401.92 ug/l 200.47 ug/L	99
	53) styrene	6./9	104 2	9969367	100 00 000/1	
	(#) = qualifier out of range (m)				_	23 
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# Quantitation Report(QT Reviewed)Data File : C:\MSDCHEM\1\DATA\0109\010909\010909\01090910.DVial: 10Acq On : 9 Jan 2009 8:02 pmOperator:Sample : soil stnd 200ug/KgInst : GCMSV4Misc : KM010909Multiplr: 1.00MS Integration Params: events.eQuant Results File: VS010909.RESQuant Method : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator)Title :Last Update : Mon Jan 12 10:09:05 2009Response via : Initial CalibrationDataAcq Meth : VOAN182

7.29 156 11205861 200.59 ug/L	vlbenzene 7,13 105 46201401 pps		97
62)1,3,5-trimethylbenzene7.5910550156832200.89ug/L63)2-chlorotoluene7.7012019071658200.49ug/L64)4-chlorotoluene7.5212610624361201.07ug/L65)tert-butylbenzene7.5812611211611m194.67ug/L66)1,2,4-trimethylbenzene7.9910539538569200.52ug/L67)sec-butylbenzene8.0710550691127200.49ug/L168)4-isopropyltoluene8.2211942622815200.80ug/L169)1,3-dichlorobenzene8.1014622304703201.08ug/L170)1,4-dichlorobenzene8.1614622806490201.35ug/L71)1,2,3-trimethylbenzene8.3110538709085200.51ug/L73)p-diethylbenzene8.5211925774975200.85ug/L74)1,2-dichlorobenzene8.4214620796447201.25ug/L75)1,2,4,5-tetramethylbenzene9.2611947500696201.21ug/L76)1,2-dibromo-3-chloropropan8.781571880618199.71ug/L	-tetrachloroethane6.84839713812200.richloropropane6.94756792644201.lbenzene7.469153092820200.nzene7.2915611205861200.toluene7.5910550156832200.otoluene7.5910550156832200.otoluene7.5212610624361201.otoluene7.5812611211611m194.tylbenzene7.901348478934200.rimethylbenzene7.9910539538569200.ylbenzene8.0710550691127200.opyltoluene8.2211942622815200.hlorobenzene8.1614622806490201.rimethylbenzene8.3110538709085200.hlorobenzene8.539221984378201.hlorobenzene8.5211925774975200.lorobenzene8.4214620796447201.'tetramethylbenzene9.2611947500696201.'tetramethylbenzene9.2611947500696201.'tetramethylbenzene8.781571880618199.	99 ug/L 14 ug/L 65 ug/L 59 ug/L 89 ug/L 49 ug/L 49 ug/L 67 ug/L 52 ug/L 49 ug/L 80 ug/L 80 ug/L 35 ug/L 21 ug/L 71 ug/L	88 95 100 99 98 99 98 80 95 99 97 99
77) 1,2,4-trichlorobenzene       9.85       157       1880618       199.71       ug/L         78) hexachlorobutadiene       9.85       180       12009712       201.58       ug/L         79) naphthalene       10.10       225       6015863       201.84       ug/L         80) 1,2,3-trichlorobenzene       10.49       180       12002717       201.22       ug/L	State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State         State <th< td=""><td>71 ug/L 58 ug/L 84 ug/L 22 ug/L</td><td>- •</td></th<>	71 ug/L 58 ug/L 84 ug/L 22 ug/L	- •

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с С						ouon	loton el al	oyl∖th∋-q	· · · · ·	91	uəzuəq	ilord Gluene								7.50	
9. RES	~								əuəzuəq	jeobioby)		s'aua		iftomord- Snonenza Bornord-	<b>k</b>					7.00	
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10 GCMSV4 1.00 VS010909	Integrator	TIC: 01090910.D			analy	( 0+W	*2211104	49.449.11111.1.1.1.1.1.1.1.1.1.1.1.1.1.1	******	əuəz	nediyihen			*1*************************************			priorit			6.50	
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	(Chemstation								enonetne	d-2-lythen	ŀ~₽			hloroprof							6(
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010	NS.	2009											90	sriteoroli		alles here h	unooo	t	And And And And And And And And And And	3.50	
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1\DATA\( 8:02 00ug/Kg events.( 4 2009	N T	10:09:05 ibration											anananan	nane Stalchlor Brane	l-Men 1-Men 19010inbi	ib-f, f				2.50	Wed
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HEM\1 2009 1nd 20 19 10:24	sDCI	Jan Lial											ensdie	ധവാന്യാ			acetone		A.1117.0000	∩i	
MSDCHE Jan 20 1 stnd 10909 Params	C:\MSDCHEM\1\METHODS\VS010909.M	Mon Jan Initial														BUBBE par			1	1,50	M*6
C:\MSDCHEM\1\DATA\0109\010909\0109 9 Jan 2009 8:02 pm soil stnd 200ug/Kg KM010909 on Params: events.e Jan 12 10:24 2009 Qua	ບ 	21											ŧ	ansrit <b>efi</b> fe	งครามอรรี	cujouqe ueujaulo µjototuji	cµoi c	-799/17/1		1.00	W.90909.M
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File n e tegre Time		C.																		0.50	
	poq	List Upda Response Indance	07	20	22	40	22	2	34	Q	Q	g	g	9	Q	0	0	0	0	ł	10.D
Data Acq O Sampl Misc MS In Quant	Method Titlo	Last Respo Abundance	1.6e+07	1.5e+07	l.4e+07	1.3e+07	1.2e+07	1.1e+07	1e+07	000006	800000	700000	600000	500000	400000	300000	200000	Page	418	Ą	1090910
		Abi	•	•	<b>*</b>	<i>t</i>	A.m.	****		6	ğ	Х	õ	5	40	30	20	0		ime	10

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#### Response Factor Report GCMSV4

Method : C:\MSDCHEM\1\METHODS\VS010909A.M (Chemstation Integrato Title : Last Update : Tue Jan 13 11:21:35 2009 Response via : Initial Calibration										
1	bration Files =01090903.D 2 =01090906.D 20	=01090 =01090		5	=03	109090	5.D			
	Compound	1	2	5	10	20	۸vg	%RSD		
1) 2)	pentafluorobenzene methylene chlorid	1.472	0.980	IS! 1.023	ED 0 • 724	0.586	0.957	35.53		
5) s	1,4-difluorobenzene 1,2-dichloroethan toluene-d8 4-bromofluorobenz	0.068	0.070	0.068	0.067	0.069	0.069	1.93 1.16		
7)	chlorobenzene-d5	****		IS	ľD		una unun Anno unun Anno ayiyi uyuy uyur	-		
8) 1,4-dichlorobenzene-dISTD					PD					

Q	lanti	tation	Report	(QT Re	viewe	d)
Data File : C:\MSDCHEM\1\DATA\0109 Acq On : 9 Jan 2009 5:28 pm Sample : soil stnd lug/Kg Misc : KM010909 MS Integration Params: events.e Quant Time: Jan 13 11:22:06 2009		Qu	Or Ir Mu ant Result	perator: ist : iltiplr: ts File:	GCMS 1.00 VS01	0909A.RES
Quant Method : C:\MSDCHEM\1\METHODS Title :	\$\V50	10909A	.M (Chemst	ation I	ntegr	ator)
Last Update : Tue Jan 13 11:21:35 Response via : Initial Calibration DataAcq Meth : VOAN182	2009					
Internal Standards	R.T.	QIon	Response	Conc U	nits 1	Dev(Min)
1) pentafluorobenzene	3.39	168	3499182	50.00	ug/L	0.00
3) 1,4-difluorobenzene	3.93	114	5004500			
			2217361		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	uq/L	0.00
5) toluene-d8	5.18	98	5855731	49.08	ua/L	0.00
6) 4-bromofluorobenzene	7.14	174	1616388	48.08		
Target Compounds 2) methylene chloride	2.08	84	104765m	0.87	ug/L	Qvalue

٥	uanti	tation	Report	(QT Re	viewe	d)
Data File : C:\MSDCHEM\1\DATA\0109 Acq On : 9 Jan 2009 5:50 pm	\0109	09\010		Vial: perator:	4	
Sample : soil stnd 2ug/Kg			I	nst :		
Misc : KM010909 MS Integration Params: events.e			M	ultiplr:	1.00	
Quant Time: Jan 13 11:22:07 2009		Qu	ant Resul	ts File:	VS01	0909A.RES
Quant Method : C:\MSDCHEM\1\METHOD Title :	s\vs0	10909A	.M (Chems	tation I	ntegr	ator)
Last Update : Tue Jan 13 11:21:35 Response via : Initial Calibration						
DataAcq Meth : VOAN182						
Internal Standards	R.T.	QIon	Response	Conc U	nits I	Dev(Min)
1) pentafluorobenzene	3.39	168	3375550	50.00	uq/L	0.00
3) 1,4-difluorobenzene	3.93	114	4797694	50.00		0.00
7) chlorobenzene-d5			2120719		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	uq/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						Ovalue
2) methylene chloride	2.08	84	132128m	1.64	ug/L	

Q	uanti	tation	Report	(QT Re	viewe	d)
Data File : C:\MSDCHEM\1\DATA\0109 Acq On : 9 Jan 2009 6:12 pm	\0109	09\010		Vial: perator:		
Sample : soil stnd 5ug/Kg				inst :		V4
Mísc : KM010909				Multiplr:		* +
MS Integration Params: events.e				L		
Quant Time: Jan 13 11:22:08 2009		Qu	ant Resul	ts File:	VS01	0909A.RES
Quant Method : C:\MSDCHEM\1\METHODS Title :	\$\VS0	10909A	.M (Chems	station I	ntegr	ator)
Last Update : Tue Jan 13 11:21:35	2000					
Response via : Initial Calibration	2009					
DataAcq Meth : VOAN182						
Internal Standards	R.T.	QION	Response	Conc U	nits I	Dev(Min)
			3268057			0.00
3) 1,4-difluorobenzene					ug/L	0.00
7) chlorobenzene-d5	6.22	82	2150279			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	uq/L	0.00
5) toluene-d8	5.18	98	5657800			0.00
6) 4-bromofluorobenzene	7.14	174	1599246			0.00
Target Compounds						Ovalue
2) methylene chloride	2.09	84	336569	7.01	ug/L	94

Q	uanti	tation	Report	(QT Re	viewec	1)
Data File : C:\MSDCHEM\1\DATA\0109 Acq On : 9 Jan 2009 6:34 pm	\0109	09\010		Vial: perator:	6	
Sample : soil stnd 10ug/Kg				•	GCMSV	<i>т л</i> .
Misc : KM010909				iltiplr:		- <u>-</u>
MS Integration Params: events.e			•••	secentra	T + 0 0	
Quant Time: Jan 13 11:22:09 2009		Qu	ant Result	s File:	VS010	909A.RES
Quant Method : C:\MSDCHEM\1\METHOD Title :	s\vso	10909A	.M (Chemst	ation I	ntegra	itor)
Last Update : Tue Jan 13 11:21:35	2000					
Response via : Initial Calibration	2009					
DataAcq Meth : VOAN182						
Internal Standards	R.T.	QIon	Response	Conc U	nits D	)ev(Min)
1) pentafluorobenzene	3.38	168	3224057	50.00	uq/L	0.00
3) 1,4-difluorobenzene	3.93	114	4689018			0.00
7) chlorobenzene-d5			2119976		ug/L	0.00
8) 1,4-dichlorobenzene-d4	8.13		2354774			
System Monitoring Compounds						
4) 1,2-dichloroethane-d4	3.39	102	312243	48.53	ua/L	0.00
5) toluene-d8			5592008			
6) 4-bromofluorobenzene	7.14		1582868	50.25		
Target Compounds						Ovalue
2) methylene chloride	2.08	84	457371	10.27		95
· •		51			~9/1I	

Q	uanti	tation	Report	(QT Re	viewe	d)
Data File : C:\MSDCHEM\1\DATA\0109 Acq On : 9 Jan 2009 6:56 pm	\0109	09\010		Vial:		
Acq On : 9 Jan 2009 6:56 pm Sample : soil stnd 20ug/Kg				inst :		V4
Misc : KM010909			ŀ	ultiplr:	1.00	
MS Integration Params: events.e Quant Time: Jan 13 11:22:10 2009		Qu	ant Resul	ts File:	V501	0909A.RES
Quant Method : C:\MSDCHEM\1\METHOD Title :	s\vs0	10909A	•M (Chems	tation I	ntegr	ator)
Last Update : Tue Jan 13 11:21:35 Response via : Initial Calibration DataAcq Meth : VOAN182	2009					
Internal Standards	R.T.		Response	Conc U	nits	Dev(Min)
1) pentafluorobenzene	3.39	168	3417986	50.00	ua/L	0.00
3) 1,4-difluorobenzene	3.94	114	4898151	50.00	uq/L	0.00
7) chlorobenzene-d5						0.00
8) 1,4-dichlorobenzene-d4	8.13	152	2553073			0.00
System Monitoring Compounds						
4) 1,2-dichloroethane-d4	3.39	102	340015	50.59	ua/L	0.00
5) toluene-d8			5919136			0.00
6) 4-bromofluorobenzene			1733802			0.00
Target Compounds						Ovalue
2) methylene chloride	2.09	84	801105	18.05	ug/L	95 gvarue



	Data File : C:\MSDCHEN\1\Di		itinuing C	alibration R	eport
	· SOIL Stud 20mg/m	TA\0109\0109 08 pm	09\010909	13.D Via Operato	l: 13
	1110C I KM010000			Inst	# GCMSV4
	MS Integration Params: event			Multipl	
	Method : C:\MSDCHEM\1\ Title : Last Undate : Non June 201	METHODS \VS0	10909.M //	"hometet (	
				chemstation :	[ntegrator]
	Response via : Multiple Leve	l Calibrati	nn		
	Min. RRF : 0.000 Min				
	May DDD D	Rel. Area Rel. Area	: 50% Ma : 200%	ax. R.T. Dev	0.50min
	Compound	Amon			
1	pentafluorobenzene			%Dev Ar	ea% Dev(min
2 3	dichlorodifluoromethane	1.000		0.0 1	08 0.00
	CHIOFOGITIUOTOmethano	0.770		<b>*</b> -	00 0.00
5	chloromethane vinyl chloride	0.679			02 0.00
6	bromomethane	0.725	0.697		07 0.00 06 0.00
7	chloroethane	0.333			22 0.00
8	trichlorofluoromethane	0.424 0.852	*****	-2.8 10	)9 -0.01
9 10	Ireon	0.852			3 0.00
11	acetone	0.036	*****	11.2	6 0.00
12	1,1-dichloroethene methylene chloride	0.432	0.413	-5.6 11 4.4 10	
13	carbon disulfide	0.653	0.594		
14	tert-butylmethylether	1.691	1.595	5.7 10	****
15	crans-1,2-dichloroethene	1.222	1.222	0.0 11	
16	vinyi acetate	$0.492 \\ 1.144$	0.466	5.3 10	****
17 18	1,1-dichloroethane	0.934	1.116	2.4 11	
19	methyl ethyl ketone	0.048	0.931 0.045	0.3 11	
20	2,2-dichloropropane	0.609	0.573	6.3 10 5.9 10	
21	cis-1,2-dichloroethene chloroform	0.559	0.559	5.9 10 0.0 11	
22	bromochloromethane	0.969	0.966	0.3 10	
23	1,1,1-trichloroethane	0.272 0.745	0.268 0.701	1.5 10:	3 0.00
24	1,4-difluorobenzene		0.101	5.9 109	5 0.00
25	1,1-dichloropropene	1.000	1.000	0.0 110	
26	carbon tetrachloride	0.461	0.427	7.4 104	~, ~ ~
27 s	1,2-dichloroethane-d4	$0.444 \\ 0.069$	0.410	7.7 104	0.00
28 29	1,2-dichloroethane	0.442	0.065 0.437	5.8 103	0.00
30	benzene	1.413	1.359	1.1 104	
31	trichloroethene 1,2-dichloropropane	0.350	0.323	3.8 107 7.7 100	
32	bromodichloromethane	0.351	0.346	7.7 100 1.4 112	
33	alpromomethane	0.472	0.474	-0.4 113	0.00 0.00
34	2-chloroethvlvinvlethor	0.189	0.196	-3.7 115	0.00
35	4-metnyi-2-pentanono	0.150 0.312	0.141	6.0 104	0.00
36 37 s	ClS-1,3-dichloropropeno	0.489	0.302	3.2 108	0.00
37 S 38	toluene-d8 toluene	1.208	0.478 1.169	2.2 114	0.00
39		1.535	1.493	3.2 106	0.00
40	trans-1,3-dichloropropene 1,1,2-trichloroethane	0.393	0.393	$\begin{array}{ccc} 2.7 & 110 \\ 0.0 & 111 \end{array}$	0.00
41 s	4-bromofluorobenzene	0.226	0.223	1.3 114	0.00
• ~		0.362	0.352	2.8 109	0.00
42	chlorobenzene-d5	1.000	1 000		
13 14	2-hexanone	0.442	1.000	0.0 107	0.00
- <del>1</del> -5	1,3-dichloropropane	1.054	0.457 1.120	-3.4 109	0.00
6	tetrachloroethene dibromochloromethane	0.718	0.733	-6.3 110 -2.1 107	0.00
7	1,2-dibromoethane	0.699	0.725		0.00
8	chlorobenzene	0.572	0.631	-3.7 111 -10.3 115	0.00
9	1,1,1,2-tetrachloroethane		2.022	-4.4 111	0.00 0.00
0	ecnyipenzene		0.716	-8.2 113	0.00
1	m+p xylene		3.393	-2.4 109	0.00
2	o-xylene	$1.295 \\ 1.286$	1.313	-1.4 110	0.00
3 4	styrene bromoform	<b>N D E Z</b>	1.347 2.135	-4.7 109 -3.8 110	0.00
				-3.8 110	

(#) = Out of Range 01090913.D VS010909.M

Wed Jan 14 17:45:11 2009

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Evaluate Continuing Calibration Report Data File : C:\MSDCHEM\1\DATA\0109\010909\01090913.D Acg On : 9 Jan 2009 9:08 pm Vial: 13 Sample Operator: : soil stnd 20ug/Kg Inst Misc : KM010908 : GCMSV4 MS Integration Params: events.e Multiplr: 1.00 : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator) Method Title Last Update : Mon Jan 12 10:09:05 2009 Response via : Multiple Level Calibration 0.000 Mín. Rel. Area : 50% Max. R.T. Dev 0.50min Min. RRF 2 Max. RRF Dev : 20% Max. Rel. Area : 200% Compound AvgRF CCRF %Dev Area% Dev(min) isopropylbenzene 2.889 2.835 1,1,2,2-tetrachloroethane 0.633 0.649 1,2,3-trichloropropane 0.462 0.488 56 57 1.9 107 0.00 -2.5 106 58 0.00 59 n-propylbenzene 3.257 -5.6 1120.00 3.167 60 2.8 bromobenzene 106 0.00 0.722 0.772 61 p-ethyltoluene -6.9 117 2.987 0.00 2.927 2.0 107 62 1,3,5-trimethylbenzene 0.00 1.168 1.147 63 1.8 107 2-chlorotoluene 0.00 0.693 0.714 64 4-chlorotoluene -3.0 111 0.00 0.723 0.709 65 tert-butylbenzene 1.9 104 0.00 0.526 0.515 2.1 56 1,2,4-trimethylbenzene 106 0.00 2.359 2.318 67 sec-butylbenzene 1.7 107 0.00 3.054 3.015 68 1.3 106 4-isopropyltoluene 0.00 2.555 2.510 1,3-dichlorobenzene 1,4-dichlorobenzene 69 1.8 108 0.00 1.405 1.407 70 -0.1 103 0.00 1.429 1.424 0.3 107 71 1,2,3-trimethylbenzene 0.00 2.374 2.419 72 n-butylbenzene -1.9 112 0.00 1.259 1.209 108 73 4.0 p-diethylbenzene 0.00 1.481 1.399 74 1,2-dichlorobenzene 5.5 106 0.00 1.332 75 1.383 -3.8 110 1,2,4,5-tetramethylbenzene 0.00 2.760 2.757 1,2-dibromo-3-chloropropane 0,114 76 0.1 114 0.00 1,2,4-trichlorobenzene 0.118 -3.5 111 77 0.00 0.704 0.697 78 hexachlorobutadiene 1.0 116 0.00 0.370 0.374 79 naphthalene -1.1 113 0.00 1.402 1.448-3.3 1,2,3-trichlorobenzene 80 125 0.00 0.593 0.598 -0.8 120 0.00

	Quant	itati	on Report	(QT Reviewed	
Data File : C:\MSDCHEM\1\DATA\ Acq On : 9 Jan 2009 0.000					)
	0103(010	1909/0		Vial: 13	
Sample : soil stnd 20ug/Kg	£			Operator:	_
MISC : KM010908				Inst : GCMSV Multiplr: 1.00	4
MS Integration Params: events.e Quant Time: Jan 12 10:09:27 200	e )9				
		**	vuunt nesu	lts File: VS010	909.RES
Quant Method : C:\MSDCHEM\1\MET Title :	CHODS \VS	01090	9.M (Chems	tation Integrate	or)
Last Update : Mon Jan 12 10:09	:05 200	9			
Response via : Initial Calibrat DataAcq Meth : VOAN182	ion				
Internal Standards	R.T.	• QIO	n Response	e Conc Units De	V(Min)
1) pentafluorobenzene	3.38				
24) 1,4-difluorobenzene	3.93	,	3695170 5371657		0.00
42) chlorobenzene-d5	6.21	l 82	23933304	50.00 ug/L	0.00
55) 1,4-dichlorobenzene-d4	8.13	3 152	2393324 2713488	50.00 ug/L 50.00 ug/L	
System Monitoring Compounds				JOTO UG/L	0.00
27) 1,2-dichloroethane-d4	<b>-</b>				
37) toluene-d8	3.39		350359	47.57 ug/L	0.00
41) 4-bromofluorobenzene	5.17			48.41 ug/L	0.00
	7.14	174	1890439	48.60 ug/L	0.00
Target Compounds					
2) dichlorodifluoromethane	1.19	85	862268	Q. 10 (- Q.	value
3) chlorodifluoromethane	1.16			20.12 ug/L	96
4) chloromethane	1.26		1001676	19.40 ug/L 20.91 ug/L	<u>.</u>
5) vinyl chloride	1.33		1030924	19.67 ug/L	99
<ul><li>6) bromomethane</li><li>7) chloroethane</li></ul>	1.48			22.37 ug/L	99
8) trichlorofluorent	1.52		644899m	21.45 ug/L	99
8) trichlorofluoromethane 9) freon	1.76		1182695	19.76 ug/L	96
10) acetone	2.12		552806	18.54  ur/T	96
11) 1,1-dichloroethene	1.81	58	280519	110.25 ug/L	95
12) methylene chloride	2.01	96	610824	19.94 ug/L	87
13) carbon disulfide	2.08 2.20		877992	19.77 ug/L	96
14) tert-butylmethylether	2.20	76 73		19.71 ug/L	99
15) trans-1,2-dichloroethene	2,44		1805468 688621	20.86 ug/L	99
16) vinyl acetate	2.66	43	8247731		100
17) 1,1-dichloroethane	2.57	63	1375637	101.21 ug/L	100
18) methyl ethyl ketone	2.82	72	335601	20.78 ug/L 99.50 ug/L	98 91
<pre>19) 2,2-dichloropropane 20) cis-1,2-dichloroethene</pre>	3.08	77	847407	19.71 ug/L	99
21) chloroform	2.90	96	826434	20.62 ug/L	98
22) bromochloromethane	3.03	83	1427297	20.91 ug/L	100
23) 1,1,1-trichloroethane	3.00	128	396474	20.29 ug/L	89
25) 1,1-dichloropropene	3.50 3.62	97 75	1036518	19.42 ug/L #	83
26) carbon tetrachloride	3.73	119	916437	19.41 ug/L	98
28) 1,2-dichloroethane	3.43	62	880723 938230m	19.36 ug/L	98
29) benzene	3.76	78	2919719	20.92 ug/L 20.27 ug/L	
30) trichloroethene	4.19	95	694656	19.39 ug/L	99
31) 1,2-dichloropropane	4.16	63	744461	20.42 ug/L	96
<pre>32) bromodichloromethane 33) dibromomethane</pre>	4.22	83	1019372	20.85 ug/L	97 97
34) 2-chloroethylvinylether	4.13	93	420710	21.55 ug/L	94
35) 4-methyl-2-pentanone	4.54	63	302529	18.84 ug/L	92
36) cis-1,3-dichloropropene	4.77	43	3242013	102.55 ug/L	97
38) toluene	4.67 5.22	75	1028067	20.42 ug/L #	96
39) trans-1,3-dichloropropene	4.98	91 75	3208430	20.76 ug/L	98
40) 1,1,2-trichloroethane	5.08	83	845498	20.09 ug/L	99
43) 2-hexanone	5.40	43	480091 2186219	20.54 ug/L	96
44) 1,3-dichloropropane	5.26	76	1072311	103.24 ug/L	99
45) tetrachloroethene	5.75	166	701961	21.30 ug/L 20.11 ug/L	100
46) dibromochloromethane	5.43	129	693831	20.44 ug/L	96 97
<pre>47) 1,2-dibromoethane 48) chlorobenzene</pre>	5.61	107	603792	21.77 ug/L	92 100
40) 1,1,1,2-tetrachloroethane	6.24	112	1935706	20.81 ug/L	97
50) ethylbenzene		131	685459	21.53 ug/L #	1
51) m+p xylene	6.40		3248445	20.51 ug/L	99
52) o-xylene			2514555	41.49 ug/1	95
53) styrene	r ~ ~		1289157	20.77 ug/L	98
			2043649	20.47 ug/L	92
(#) = qualifier out of range (m)	= manua	1 int	Paration		

GCMSV4

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\0109\010909\6 Acq On : 9 Jan 2009 9:08 pm Sample : soil stnd 20ug/Kg Misc : KM010908 MS Integration Params: events.e	01090913.D Vial: 13 Operator: Inst : GCMSV4 Multiplr: 1.00
Quant Time: Jan 12 10:09:27 2009	Quant Results File: VS010909.RES
Quant Method : C:\MSDCHEM\1\METHODS\VS01090 Title :	9.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	
56) isopropylbenzene	7.13	105	3076660	20.57 ug/L	91 100
57) 1,1,2,2-tetrachloroethane	6.83	83	704565	21.19 ug/L	±00 95
58) 1,2,3-trichloropropane	6.94	75	529618	21.81 ug/L	95 97
59) n-propylbenzene	7.46	91	3437566	20.27 ug/L	
60) bromobenzene	7.28	156	837683	22.03 ug/L	97 88
61) p-ethyltoluene	7.59	105	3176826	20.88 ug/L	88 99
62) 1,3,5-trimethylbenzene	7.70	120	1245231	20.24 ug/L	99 97
63) 2-chlorotoluene	7.52	126	774705	21.33 ug/L	97
64) 4-chlorotoluene	7.58	126	769900	20.40 ug/L	93 73
65) tert-butylbenzene	7.90	134	558553	20.27 ug/L	73 90
66) 1,2,4-trimethylbenzene	7.99	105	2516299	20.45 ug/L	90
67) sec-butylbenzene	8.06	105	3272649m	20.47 ug/L	97
68) 4-isopropyltoluene	8.22	119	2724274	20.56 ug/L	99
69) 1,3-dichlorobenzene	8.10	146	1527004	20.66 ug/L	99
70) 1,4-dichlorobenzene	8.15	146	1545992	20.82 ug/L	97
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	
73) p-diethylbenzene	8.52	119	1518970	20.16 ug/L	rr o∡ 94
74) 1,2-dichlorobenzene	8.42	146	1500878	21.41 ug/L	94 99
75) 1,2,4,5-tetramethylbenzene	9.26	119	2992352	21.19 ug/L	99 95
76) 1,2-dibromo-3-chloropropan	8.78	157	128278	21.45 ug/L	95 92
77) 1,2,4-trichlorobenzene	9.85	180	756929	21.69 ug/L	92 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	
				u	91

and were find they born and seen that days over adda over one data per and the form that they per find and (#) = qualifier out of range (m) = manual integration (+) = signals summed 01090913.D VS010909.M Wed Jan 14 17:45:15 2009 GCMSV4

Quantitation Report (QT Reviewed) Data File : C:\MSDCHEM\1\DATA\0109\010909\01090913.D Vial: 13 Acq On : 9 Jan 2009 9:08 pm Sample : soil stnd 20ug/Kg Misc : KM010908 Operator: Inst : GCMSV4 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) 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) ______ L 

 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 2) methylene chloride Qvalue 2.08 84 877992 18.32 ug/L 93

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Evaluate Continuing Calibration ReportData File : C:\MSDCHEM\1\DATA\0109\011209\01120905.DVial: 5Acq On : 12 Jan 2009 11:49 amOperator:Sample : soil stnd 20ug/KgInst : GCMSV4Misc : KM011209 cc passed KMMultiplr: 1.00MS Integration Params: events.eMultiplr: 1.00

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				
2	dichlorodifluoromethane	1.000 0.609	1.000	0.0	111	0.00
3	chlorodifluoromethane	0.770	0.586 0.694	3.8	103	0.00
4	chloromethane	0.679	0.692	9.9 -1.9	97	0.00
5	vinyl chloride	0.725	0.714	1.5	$\frac{112}{111}$	0.00
6	bromomethane	0.333	0.359	-7.8	127	0.00
7	chloroethane	0.424	0.448	-5.7	114	0.00 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 22	chloroform	0.969	0.970	-0.1	111	0.00
23	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 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-methy1-2-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 40	trans-1,3-dichloropropene	0.393	0.420	-6.9	120	0.00
41 s	1,1,2-trichloroethane	0.226	0.235	-4.0	122	0,00
тт а :	4-bromofluorobenzene	0.362	0.357	1.4	112	0.00
42	chlorobenzene-d5	1.000	1,000	0.0	* * *	
43	2-hexanone	0.442	0.474	0.0 -7.2	111	0.00
44	1,3-dichloropropane	1.054	1.102	-4.6	117	0.00
45	tetrachloroethene	0.718	0.820	-14.2	113	0.00
46	dibromochloromethane	0.699	0.772	-14.2 -10.4	125 123	0.00
47	1,2-dibromoethane	0.572	0.614	-7.3		0.00
48	chlorobenzene	1.937	2.154	-11.2	117 123	0.00
49	1,1,1,2-tetrachloroethane	0.662	0.702	-6.0	123	0.00
50	ethylbenzene	3.313	3.551	-7.2	115	0.00
51	m+p xylene	1.295	1.399	-8.0	122	0.00
52	o-xylene	1.286	1.404			0.00
53	styrene	2.056	2.202	-7.1		0.00
54	bromoform	0.411	0.447	-8.8		0.00

Evaluate Continuing Calibration Report Data File : C:\MSDCHEM\1\DATA\0109\011209\01120905.D Acq On : 12 Jan 2009 11:49 am Sample : soil stnd 20ug/Kg Misc : KM011209 cc passed KM Vial: 5 Operator: Inst : GCMSV4 Multiplr: 1.00 MS Integration Params: events.e : C:\MSDCHEM\1\METHODS\VS010909.M (Chemstation Integrator) Method Title :

Last Update : Mon Jan 12 10:09:05 2009 Response via : Multiple Level Calibration

: 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min Min, RRF Max. RRF Dev : 20% Max. Rel. Area : 200%

table duty: pyre woo	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		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		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		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		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	
78	hexachlorobutadiene	0.370	0.437	-18.1	139	0.00
79	naphthalene	1.402	1.474	-10.1	133	0.00
80	1,2,3-trichlorobenzene	0.593	0.664	-12.0	140	0.00 0.00

1 ξ

	Quanti	tatic	n Report	(QT Reviewed)
Data File : C:\MSDCHEM\1\DATA\01 Acq On : 12 Jan 2009 11:49 a Sample : soil stnd 20ug/Kg Misc : KM011209 cc passed K MS Integration Params: events.e Quant Time: Jan 12 12:02:59 2009	m M		O I M	Vial: 5 perator: nst : GCMSV4 Wultiplr: 1.00
				ts File: VS010909.RES
Quant Method : C:\MSDCHEM\1\METH Title :			.M (Chemst	ation Integrator)
Last Update : Mon Jan 12 10:09: Response via : Initial Calibrati DataAcq Meth : VOAN182	05 2009 on			
Internal Standards	R.T.	QIon	Response	Conc Units Dev(Min)
1) pentafluorobenzene	3.39			
24) 1,4-difluorobenzene	3.93	114	5454631	50 00 10 /1 0 00
42) chlorobenzene-d5 55) 1,4-dichlorobenzene-d4	6.21	82		50.00 ug/L 0.00
55) 1,4-dichiorobenzene-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			48.84 ug/L 0.00
41) 4-bromofluorobenzene	7.14	174	1948405	49.33 ug/L 0.00
Target Compounds				Qualua
2) dichlorodifluoromethane	1.20	85	886196	Qvalue 20.21 ug/L 99
<ol><li>chlorodifluoromethane</li></ol>	1.17	51	1050229	18.13 ug/L 98
4) chloromethane	1.27	50	1045951	21.34 ug/L # 98
5) vinyl chloride 6) bromomethane	1.33	62	1079528	20.13 ug/L 100
7) chloroethane	1.48	96	543588	22.77 ug/L 96
8) trichlorofluoromethane	1.53 1.77	64 101	677449	22.03 ug/L 95
9) freon	2.12	151	1282793 636295	20.95 ug/L 96 20.84 ug/L 97
10) acetone	1.81	58	294881	20.84 ug/L 97 113.25 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
<pre>14) tert-butylmethylether 15) trans-1,2-dichloroethene</pre>	2.50	73	1866813	21.08 ug/L 99
16) vinyl acetate	2.44 2.66	96 43	765336 8672177	21.48 ug/L 99
17) 1,1-dichloroethane	2.57		1426309	103.95 ug/L 100 21.05 ug/L 98
18) methyl ethyl ketone	2.82		372998	107.99 ug/L 96
19) 2,2-dichloropropane	3.08	77	939128	21.31 ug/L 96
20) cis-1,2-dichloroethene 21) chloroform	2.91		862216	21.03 ug/L 95
22) bromochloromethane	3.03	83	1467613	21.01 ug/L 100
23) 1,1,1-trichloroethane	3.00 3.50	128 97	426116	21.31 ug/L 92
25) 1,1-dichloropropene	3.62	75	$1111864 \\ 994185$	20.36 ug/L # 82 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	
29) benzene 30) trichloroethene	3.76	78	3104362	21.22 ug/L 99
31) 1,2-dichloropropane	4.19	95	780206	21.42 ug/L 99
32) bromodichloromethane	$4.16 \\ 4.22$	63 83	781423 1043058	21.10 ug/L 98
<pre>33) dibromomethane</pre>	4.13	93	430878	21.01 ug/L # 97 21.74 ug/L 93
34) 2-chloroethylvinylether	4,54	63	350099	21.74 ug/L 93 21.43 ug/L 96
35) 4-methyl-2-pentanone	4.77	43	3468330	107.86 ug/L 96
36) cis-1,3-dichloropropene 38) toluene	4.67	75	1060356	20.73 ug/L # 96
39) trans-1,3-dichloropropene	5.22	91	3342452	21.29 ug/L 99
40) 1,1,2-trichloroethane	4.99 5.08	75 83	915925 511977	21.38 ug/L 97
43) 2-hexanone	5,40	43	2362165	21.56 ug/L 96 107.17 ug/L 99
<pre>44) 1,3-dichloropropane</pre>	5.26	76	1097753	107.17 ug/L 99 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 48) chlorobenzene	5.61	107	611981	21.20 ug/L # 95
49) 1,1,1,2-tetrachloroethane	6.24 6.19	112	2146085	22.18 ug/L 95
50) ethylbenzene	6.40	131 91	699000 3538172	21.09 ug/L # 1 21.46 ug/L 98
51) m+p xylene	6.55	106	2788087	44.18 00/1 04
52) o-xylene	6.85	106	1399198	21.66 ug/L 100
53) styrene	6.79	104	2193542	01 11 1 mm/r 00
(#) = qualifier out of range (m)	= manua	al int		ال المالة المالة المالة المالة المالة الملك المكل المولي المولية المالة المالة المالة المولية المولية المالة ا

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: : soil stnd 20ug/Kg Sample 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 Title DataAcq Meth : VOAN182

	Compound	R.T.	QION	Response	Conc Unit	Qvalue
	bromoform	6.60	173	445243	21.47 ug/L	
56)	isopropylbenzene	7.13	105	3476227	22.06 ug/L	96
57)	1,1,2,2-tetrachloroethane	6.83		756643	21.62 ug/L	98
58)	1,2,3-trichloropropane		75	568217	22.24 ug/L	
	n-propylbenzene	7.46		4025891	22.52 ug/L	98
60)	bromobenzene	7.29		877840	21.94 ug/L	
61)	p-ethyltoluene	7.59			22.94 ug/L	90
62)	1,3,5-trimethylbenzene	7.70		1461799	22.54 ug/L	98 99
63)	2-chlorotoluene	7.52		841582	22.04 ug/L	99 91
64)	4-chlorotoluene	7.58		903451	22.72 ug/L	80
65)	tert-butylbenzene	7.90			21.93 ug/L	
	1,2,4-trimethylbenzene	7.99	105	2904919	22.39 ug/L	91 97
67)	sec-butylbenzene	8.07	105	3775215	22.39 ug/L	
	4-isopropyltoluene	8.22		3229778	23.10 ug/L	99 98
69)	1,3-dichlorobenzene	8.10		1772469	22.76 ug/L	98
70)	1,4-dichlorobenzene	8.15	146	1825715	23.32 ug/L	
71)	1,2,3-trimethylbenzene	8.31		2839000		98
72)	n-butylbenzene	8.53	92	1654186	21.57 ug/L 24.66 ug/L	99
73)	p-diethylbenzene	8.52	119	1862877	23.39 ug/L	# 83
74)	1,2-dichlorobenzene	8.42	146	1671156	22.65 ug/L	
	1,2,4,5-tetramethylbenzene	9.26		3412744	22.03 ug/L	99
76)	1,2-dibromo-3-chloropropan	8.78	157	141452	22.32 ug/L	97
77)	1,2,4-trichlorobenzene	9.85		926108	25.10 ug/L	93
78)	hexachlorobutadiene	10.10	225	499445	24.86 ug/L	98
	naphthalene	10.03	128	1682991	22.72 ug/L	98
80)	1,2,3-trichlorobenzene	10.19	180	758482	24.21 ug/L	97
•		and the of the of	T.0.0	100402	za zi uy/L	91

Q	uanti	tation	Report	(QT Re	viewed	1)
Data File : C:\MSDCHEM\1\DATA\0109 Acq On : 12 Jan 2009 11:49 am Sample : soil stnd 20ug/Kg Misc : KM011209 cc passed KM MS Integration Params: events.e Quant Time: Jan 13 11:25:02 2009 Quant Method : C:\MSDCHEM\1\METHOD		Qu	( ] M ant Resul	Multiplr: ts File:	GCMSV 1.00 VS010	909A.RES
Title : Last Update : Tue Jan 13 11:21:35 Response via : Initial Calibration DataAcq Meth : VOAN182	2009				-	·
Internal Standards	R.T.	QIon	Response	Conc U	nits D	ev(Min)
<ol> <li>pentafluorobenzene</li> <li>1,4-difluorobenzene</li> <li>chlorobenzene-d5</li> <li>1,4-dichlorobenzene-d4</li> </ol>	3.39 3.93 6.21 8.14	114 82	3780823 5454631 2490755 2855228	50.00 50.00	ug/L ug/L	0.00
System Monitoring Compounds 4) 1,2-dichloroethane-d4 5) toluene-d8 6) 4-bromofluorobenzene	3.39 5.18 7.14	98	384152 6436295 1948405	51.32 49.50 53.18	ug/L	0.00
Target Compounds 2) methylene chloride	2.09	84	890115	18.14		Qvalue 98

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0     1,1,2-thiohorphone       0     2-chlorophylinylether       0     1,1,2-thiohorphone       0     1,1,2-thiothorphone       0     1,2-thiothorphone       0     1,2-thiothorphone       0     1,2-thiothorphone       0     1,2-thiothorphone	al: 5 or: : GCMSV4 lr: 1.00 le: VS010909 Integrator)	TIC: 01120905.D	etrachloroethene
250 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3	0905.D nt Resu (Chems	:	Torritoring the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first including the first incl
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## Tentatively Identified Compounds Summary Reports Spectra

		1E VOLATILE ORGANICS ANALYSIS DATA SHEET					SAMPLE NO.	
	TE	ENTATIVELY IDEN	TIFIED CO	MPOUN	SHEET IDS	290082.01		
Lab Name: ECOT	EST LABS		Contract:			L	*****	
Project No	·	Site:				Group		
Matrix: (soil/wate		-			Sample ID:			
Sample wt/vol:	1.0	_(g/mL) <u>g</u>			Lab File ID:	01120917	.D	
Level: (low/me	d) <u>Low</u>	<del></del>		Date	Received:	1/8/09		
% Solid:		_		Date	Analyzed:	1/12/09	-	
GC Column:	DB-VRX	ID: 0.18	(mm)		tion Factor:		-	
	ne:				ot Volume:		- (uL.)	
		-					_ ()	
Number TICs four	nd:0		Concentral (ug/L or					
	CAS Number	Compou	nd Name	RT	Est. Conc.	Q		
	<u>1.</u> 2.	No TIC's found.						
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T	- Target compound	J.						

			SAMPLE NO.					
	TE			S ANALYSIS DATA SHEET NTIFIED COMPOUNDS			290082.02	
Lab Name: ECOTEST	LABS		Contract	y 				
Project No		Site:	Location			Group		
Matrix: (soil/water)	Soil	_		Lab	Sample ID:	290082.02	2	
Sample wt/vol:	1.0	_(g/mL) <u>g</u>			Lab File ID:	01120918	.D	
Level: (low/med)	Low			Date	e Received:	1/8/09		
% Solid:					e Analyzed:		-	
GC Column:	DB-VRX	ID:0.1	<u>8 (</u> mm)			*****	-	
Soil Extract Volume:					iot Volume:		-	
							_ ` `	
Number TICs found:	0		Concentra	ution Unit ug/Kg)				
	Number		oound Name	RT			1	
1.	Number	No TIC's found			Est. Conc.	Q		
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		VOU			SAMPLE NO.				
			ENTATIV	RGANICS / ELY IDEN	ANALYSIS	S DATA S DMPOUN	SHEET IDS	290082.03	
Lab Name: ECO	TEST	LABS			Contract			L	
Project No			Site:		Location			Group:	
Matrix: (soil/wat	ter)	Soil	-			Lab	Sample ID:	290082.03	}
Sample wt/vol:	_	1.0	(g/mL)	g			Lab File ID:		****
Level: (low/me	ed)	Low	_			Date	e Received:	1/8/09	
% Solid:			_				e Analyzed:		-
GC Column:		DB-VRX	_ ID	: 0.18	(mm)		tion Factor:		-
Soil Extract Volu	ıme:		_ (mL)				iot Volume:		(uL)
									<b>.</b>
Number TICs for	und:	00			Concentra (ug/L or	ug/Kg)			
		Number		Compour	nd Name		Est. Conc.	Q	1
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Soil Extract Volume:	ABS Soil 1.0 Low DB-VRX	ENTATIVE (g/mL) ID: ID: 	<u>g</u>	_(mm) Concentra (ug/L or	DMPOUN Lab Date Date Dilu Soil Aliqu	DS Sample ID: Lab File ID: Received: Analyzed: tion Factor: ot Volume:	Group 290082.04 01120920 1/8/09 1/12/09 5	.D 
Project No Matrix: (soil/water) Sample wt/vol: Level: (low/med) % Solid: GC Column: Soil Extract Volume: Number TICs found:	Soil 1.0 Low DB-VRX	Site: _ (g/mL) _ _ ID: _ (mL)	<u>g</u> 0.18	_ Location: _ (mm) _ Concentra _ (ug/L or	Lab Date Date Dilu Soil Aliqu	Sample ID: Lab File ID: Received: Analyzed: tion Factor: ot Volume:	290082.04 01120920 1/8/09 1/12/09 5	1 .D 
Matrix: (soil/water) Sample wt/vol: Level: (low/med) % Solid: GC Column: Soil Extract Volume: Number TICs found:	1.0 Low DB-VRX	(g/mL) ID: (mL) [	<u>g</u> 0.18	_ (mm) Concentra (ug/L or	Lab Date Date Dilu Soil Aliqu	Sample ID: Lab File ID: Received: Analyzed: tion Factor: ot Volume:	290082.04 01120920 1/8/09 1/12/09 5	1 .D 
Sample wt/vol: Level: (low/med) % Solid: GC Column: Soil Extract Volume: Number TICs found:	1.0 Low DB-VRX	ID: (mL) 	0.18	_(mm) Concentra (ug/L or	Date Date Dilu Soil Aliqu	Lab File ID: Received: Analyzed: tion Factor: tot Volume:	01120920 1/8/09 1/12/09 5	.D 
Level: (low/med) % Solid: GC Column: Soil Extract Volume: Number TICs found:	Low DB-VRX 0	ID: (mL) 	0.18	_(mm) Concentra (ug/L or	Date Date Dilu Soil Aliqu	Lab File ID: Received: Analyzed: tion Factor: tot Volume:	01120920 1/8/09 1/12/09 5	.D 
% Solid: GC Column: Soil Extract Volume: Number TICs found:	DB-VRX	_ (mL) 		Concentra (ug/L or	Date Date Dilu Soil Aliqu	e Received: Analyzed: tion Factor: tot Volume:	1/8/09 1/12/09 5	-
GC Column: Soil Extract Volume: Number TICs found:	0	_ (mL) 		Concentra (ug/L or	Date Dilu Soil Aliqu tion Unite	Analyzed: tion Factor: tot Volume:	1/12/09 5	- - _ (uL)
Soil Extract Volume:	0	_ (mL) 		Concentra (ug/L or	Dilu Soil Aliqu tion Unit:	tion Factor: ot Volume: s:	5	- - _ (uL)
Soil Extract Volume:	0	_ (mL) 		Concentra (ug/L or	Soil Aliqu	ot Volume:		- _ (uL)
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		T	ENTATIVE		VTIFIED CO	MPOUN	DS	290082.05		
Lab Name: ECO	TEST	LABS			_ Contract:					
Project No			Site:		Location:			Group:		
Matrix: (soil/wat	ter) _	Soil				Lab	Sample ID:	290082.05		
Sample wt/vol:		1.0	_ (g/mL)	g	_		Lab File ID:	01120921	D	
Level: (low/me	ed)	Low				Date	Received:	1/8/09		
% Solid:						Date	• Analyzed:	1/12/09	*	
GC Column:		DB-VRX	- ID:	0.18	(mm)		tion Factor:	*****		
Soil Extract Volu							ot Volume:			
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Number TICs fou	und:	0			Concentra (ug/L or					
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		vumber		Compoi	und Name	RT	Est. Conc.	Q	ļ	
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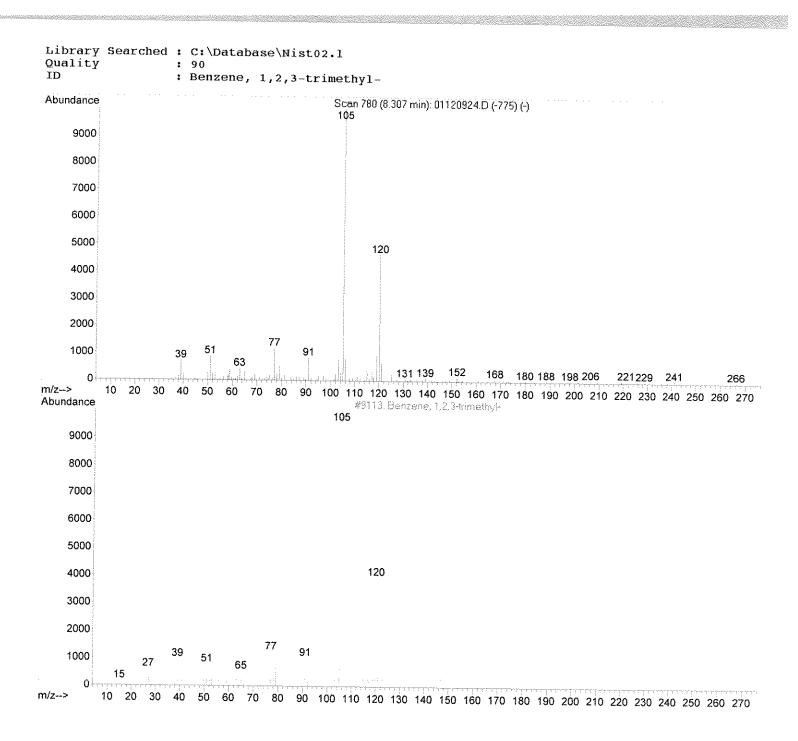
			SAMPLE NO.				
			S ANALYSIS DATA SHEET NTIFIED COMPOUNDS			290082.06	
Lab Name: ECOTEST	LABS		_ Contract:	***		L	
Project No		Site:	_ Location:			Group:	
Matrix: (soil/water)	Soil		-		Sample ID:		
Sample wt/vol:	1.0				Lab File ID:		
Level: (low/med)		•••• • • • • • • • • • • • • • • • • •			e Received:		
% Solid:					e Analyzed:		-
	DB-VRX	- ID: <u>0,18</u>	(mm)		tion Factor:		-
Soil Extract Volume:							-
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Number TICe found	0		Concentra				
Number TICs found:		-		ug/Kg)			
	Number	No TIC's found.	und Name	RT	Est. Conc.	Q	
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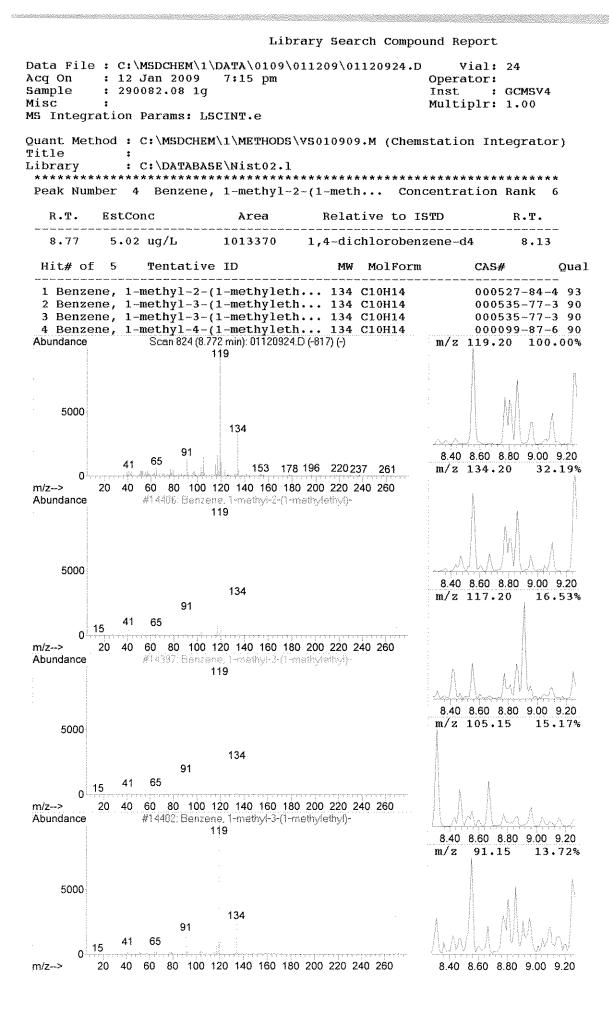
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					1E SAM				AMPLE NO.	
		Т	ENTATIVI	ELY IDEN	VTIFIED CO	MPOUN	DS	290	082.07	
Lab Name: <u>ECC</u>	TEST	LABS			_ Contract:					
Project No					_ Location:					
Matrix: (soil/wa	ter) _	Soil	_			Lab	Sample ID:	290082.07	,	
Sample wt/vol:		1.0	_ (g/mL)	g	<b></b>		Lab File ID:	01120923	.D	
_evel: (low/m	ed) _	Low				Date	Received:	1/8/09		
% Solid:	_						Analyzed:		-	
GC Column:		DB-VRX	 ID:	: 0.18	(mm)		tion Factor:		-	
Soil Extract Vol							ot Volume:		- (uL)	
									- ` '	
Number TICs fo	und:	0			Concentra (ug/L or	tion Unit: ug/Kg)				
CA		Number	-	Compoi	und Name		Est. Conc.	Q	1	
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Lab Name: ECO	TES				Contract:		103	2900	082.08
Project No			Site	•	Location:		**************************************	Groups	
Matrix: (soil/wat			0110	•			<u> </u>		•••••
	сı		-				Sample ID:		
Sample wt/vol:		1.0	_ (g/mL)	<u>g</u>			Lab File ID:	01120924.	<u>D</u>
Level: (low/me	ed)	Low	-			Date	e Received:	1/8/09	
% Solid:			_			Date	e Analyzed:	1/12/09	
GC Column:	***	DB-VRX	D:	0.18	(mm)		tion Factor:		
Soil Extract Volu	me:			****	-		iot Volume:		(uL)
			_ ( )				iot volume,		(uL)
Number TICs for					Concentra				
Number TICs fou					(ug/L or		ug/Kg		
		S Number			Ind Name	RT	Est. Conc.	Q	
		526-73-8 527-84-4			nethyl-	8.31	9	T	
		535-77-3			yl-2-(1-meth		25	J	
		2049-95-8			yl-3-(1-meth		16	J	
-					nethylpropyl		15	J	
		824-22-6			hydro-4-met		15	J	
ŀ		<u>934-74-7</u> 1075-38-3			3,5-dimethy		17	J	
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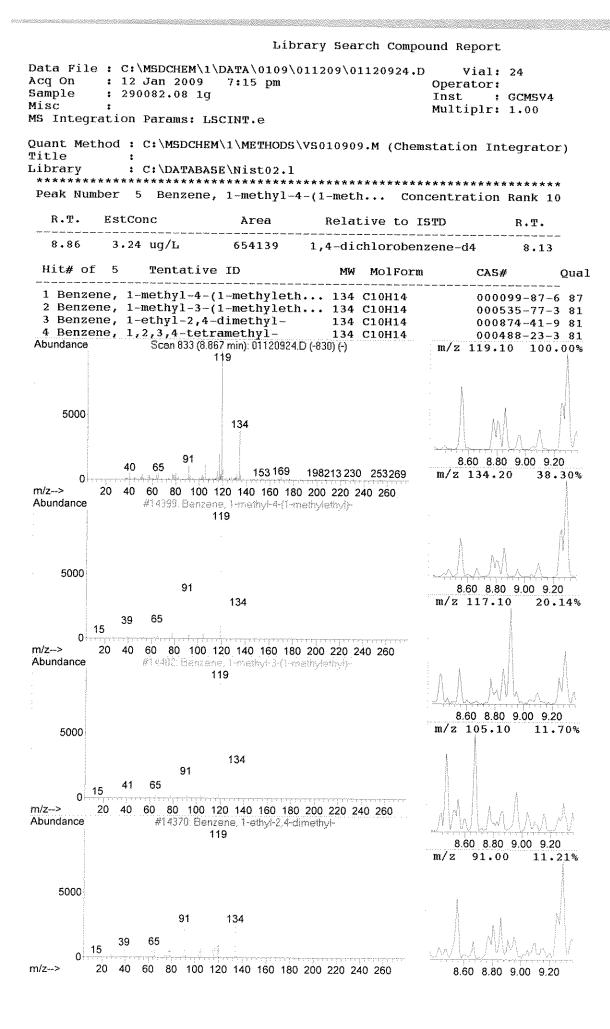
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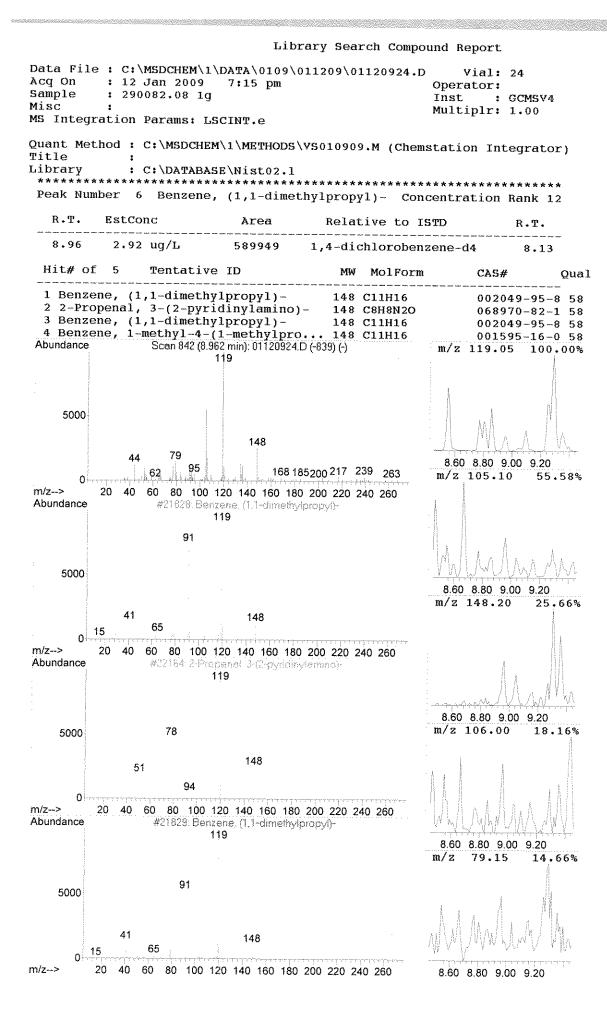


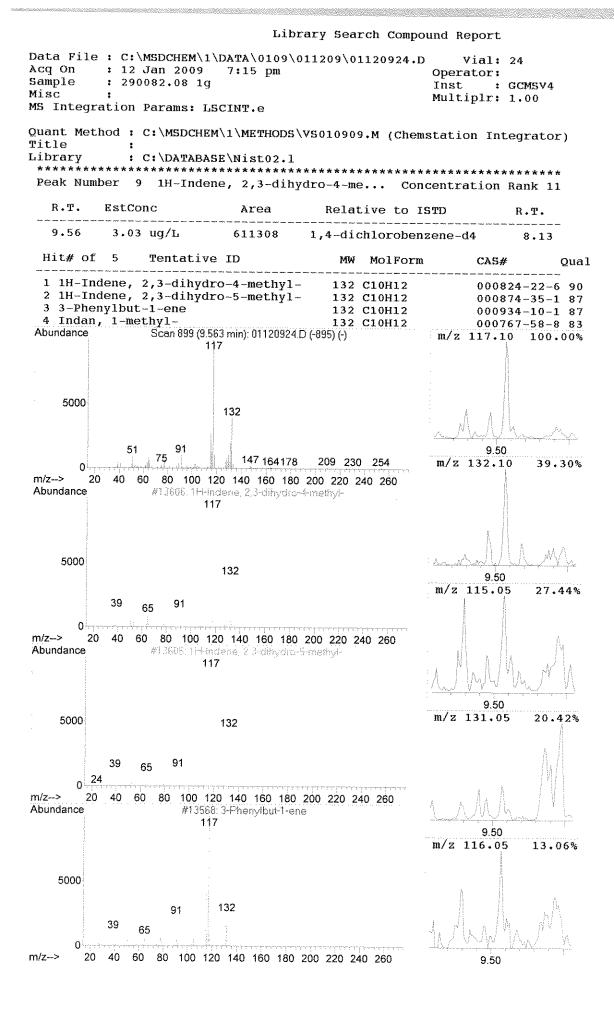


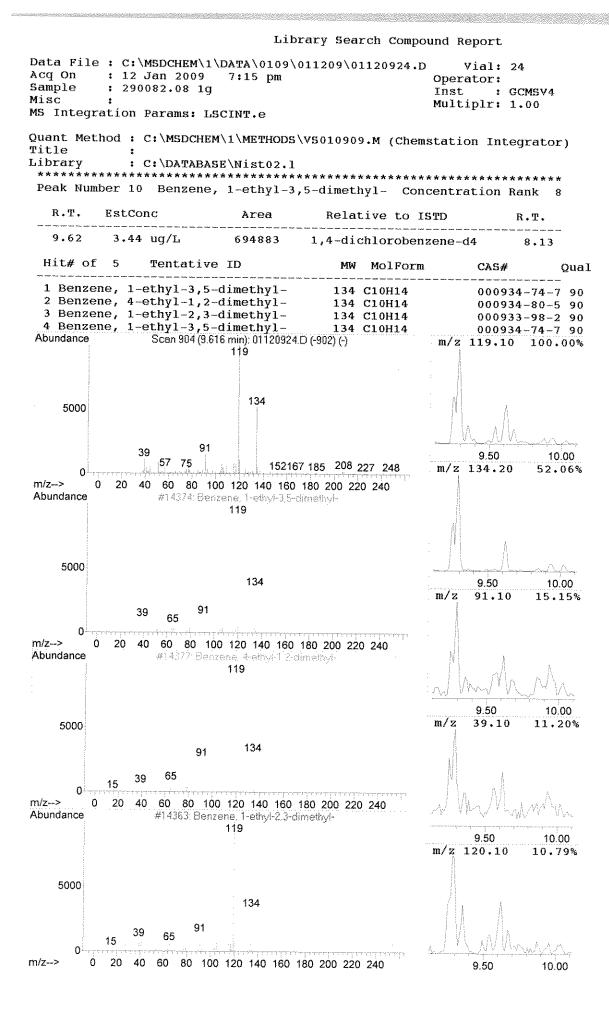
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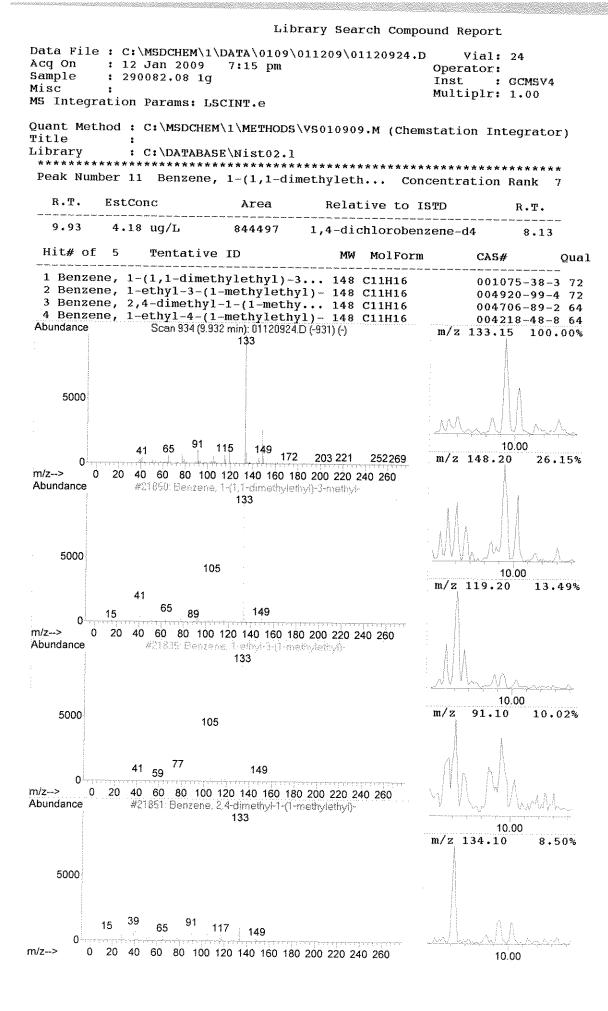
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		1E VOLATILE ORGANICS ANALYSIS DATA SHEET				SAMPLE NO.		
			INTIFIED COMPOUNDS			290	290082.09	
Lab Name: ECOTES	T LABS		_ Contract:			<b>.</b>		
Project No		Site:	_ Location:			Group:		
Matrix: (soil/water)	Soil	-		Lab	Sample ID:	290082.09	1	
Sample wt/vol:	1.0	_(g/mL) <u>g</u>	_		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)		tion Factor:		•	
Soil Extract Volume:			Soil Aliquot Volume:				(uL)	
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Number TICs found:	0		Concentra (ug/L or	tion Unit ug/Kg)				
	Number	- Compou	und Name	RT	Est. Conc.	Q	1	
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