LABELLA Associates, P.C.

Engineering
Architecture
Environmental
Planning

Construction Completion Report
IRM AOC #1: Former Oil House
NYSDEC Site #C828159

Location:

690 Saint Paul Street
Rochester, New York

Prepared for:

Genesee Valley Real Estate Company, LLC
First Federal Plaza
28 East Main Street, Suite 500
Rochester, New York 14614

LaBella Project No. 209280

March 2012
Revised October 2012

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CERTIFICATIONS

I Daniel P. Noll certify that I am currently a NYS registered professional engineer, I had primary direct responsibility for the implementation of the subject construction program, and I certify that the Interim Remedial Measure Work Plan was implemented and that all construction activities were completed in substantial conformance with the DER-approved Interim Remedial Measure Work Plan.

081996	10/26/2012	
NYS Professional Engineer #	Date	Signature



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1.0 INTRODUCTION

LaBella Associates, P.C. ("LaBella") has assisted Genesee Valley Real Estate Company ("GVRE") with an Interim Remedial Measure (IRM) associated with New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Site #C828159 at 690 Saint Paul Street, located in the City of Rochester, Monroe County, New York, hereinafter referred to as the "Site."

2.0 BACKGROUND

The Site consists of approximately 4.73 acres of land improved with three inter-connected buildings (designated Buildings 14A, 14B and 16) and a fourth separate building (designated Building 22). In total, these buildings occupy approximately 89,280 square feet of the Site (footprint area). Building 14B is currently utilized by the City of Rochester School District (RCSD) for offices (i.e., currently not for a school). Building 16 is currently partially occupied by a light industrial tenant (assembly of parts), a janitorial service for storage, and the remainder is vacant. Building 14A is mostly vacant except for a portion of the second floor being utilized as office space by GVRE and a light industrial tenant, and Building 22 is utilized by Geva Theatre for storage and scene construction.

The Site is situated in a mixed commercial, light industrial and residential area of the City of Rochester. The Site is bordered by St. Paul Street to the west with a Monroe County office building beyond; Lowell Street to the south with a City of Rochester park beyond; Martin Street to the east with a restaurant and residential properties beyond; and Hartel Alley to the north with a restaurant and a light industrial (machine shop) building beyond. A Site Location Map is included as Figure 1.

LaBella initiated a Remedial Investigation (RI) at the Site during 2009. Although all of the RI activities are not yet complete, an RI Report is currently being developed. The RI activities completed at the Site have indicated the presence of subsurface impacts to soil and groundwater at several locations. This IRM work is specific to the former oil house area at the Site, which was identified as Area of Concern (AOC) #1 in the Remedial Investigation (RI) Work Plan.

The following information was originally presented in the RI Work Plan for AOC #1:

> ***AOC #1: Trichloroethene (TCE) Impacts to Bedrock Groundwater, Low-Level Soil Impacts in Interim Remedial Measure (IRM) Confirmatory Soil Samples, and Former Oil House***
>
> *Previous investigations by LaBella involved the installation of four (4) bedrock groundwater monitoring wells. These wells were installed at the Site in the area of the underground storage tanks (USTs) removed as part of the IRMs identified in Section 2.0 above. The initial sampling results from August 2008 as well as from January 2009 reported detections of TCE in bedrock groundwater. The detections of TCE were also found to exceed the New York State Part 703 Groundwater Quality Standards in bedrock wells BW-3 and BW-4.*

Additionally, some of the confirmatory soil samples associated with the IRM excavations reported detections of volatile organic compounds (VOCs) that were found to exceed the NYSDEC TAGM 4046 RSCOs.

The former "Oil House" was identified on the 1950 Sanborn Map as well as on the 1971 Sanborn Map. This structure does not appear on either the 1892 or 1911 Sanborn Maps indicating that it was constructed sometime between 1911 and 1950.

There is a potential for this building to have used petroleum products and/or stored petroleum products in or around the building. As such, the "Oil House" is considered an AOC and warrants evaluation as part of the RI. The contaminants anticipated to be associated with this AOC are: chlorinated and petroleum related VOCs.

Based on this information, the subsurface investigation completed for AOC #1 as part of the RI at the location of the former "Oil House" included the advancement of soil borings; completion of a test pit; collection of soil samples; collection of overburden groundwater samples, the installation of one bedrock groundwater monitoring well (BW-5), and the subsequent collection and laboratory analysis of both soil and groundwater samples.

Laboratory analytical data from both soil and groundwater samples collected from this AOC have indicated that VOCs, specifically TCE, exceed the Standards, Criteria and Guidelines (SCGs), refer to Section 4.2 for SCGs, for soil and groundwater collected from soil borings and BW-5, respectively. In addition, a layer of light, non-aqueous phase liquid (LNAPL) was observed on the water column within BW-5. A summary of the analytical results is presented below:

VOCs

TCE was found to exceed the Part 375-6 Remediation Program Soil Cleanup Objectives (RPSCOs) for Restricted Residential Use in the soil sample collected from BW-5 (2'-4'). Additionally, concentrations of TCE and its breakdown compounds (1,2-Dichloroethene and Vinyl Chloride) in soil samples SB-85 (4'-8.2'), and SB-18 (4'-4.6') exceeded the Part 375-6 RPSCOs for Unrestricted Use and the Protection of Groundwater. VOCs (specifically TCE and its breakdown products) were also found to exceed the SCGs in groundwater samples collected from BW-4, BW-5, SB-14, SB-15, SB-85, SB-86, SB-87, and SB-88.

Pesticides

Pesticides were detected in one soil sample collected from soil boring SB-18 (4.0'-4.6'). The concentrations of pesticides of 4,4-DDD, 4,4-DDE, and 4,4-DDT exceeded the Part 375-6 RPSCOs for Unrestricted Use in the soil sample collected from SB-18 (4.0'-4.6'). However, none of the pesticides were detected at concentrations above their respective Part 375-6 RPSCO for Restricted Residential or Protection of Groundwater. The concentrations of pesticides Delta-BHC, Gamma-BHC, and heptachlor exceeded the SCGs in the groundwater sample collected from BW-5 from approximately 13.4'-14.0' bgs (within the uppermost bedrock water-bearing zone).

PCBs

Polychlorinated biphenyls (PCBs) were detected in eight soil samples collected from in, or proximal to, the IRM area. Specifically, the reported concentrations of PCBs in soil samples SB-18 (4.0'-4.6'), SB-31 (0.5'-1.5'), SB-43 (0.6'-3.5'), SB-89, and TP-F (3.0') were above the Part 375-6 RPSCOs for Unrestricted Use. However, none of the concentrations of PCBs were above the Part 375-6 RPSCO for Restricted Residential Use or the Protection of Groundwater.

PCBs were not detected above the reported laboratory MDLs in overburden groundwater collected from the boring used to construct bedrock monitoring well BW-5. However, laboratory analysis of LNAPL collected from the completed bedrock monitoring well BW-5 reported a concentration of PCBs that was found to exceed the NYSDEC Part 703 Groundwater Standards.

LNAPL

The LNAPL within BW-5 was first observed by LaBella during the installation of the bedrock monitoring well in October, 2010. LNAPL was observed within monitoring well BW-5 with a thickness of approximately 0.39 feet on October 26, 2010. As such, a sample of this LNAPL was recovered and submitted for laboratory analysis of total petroleum hydrocarbons (gasoline range organics), total petroleum hydrocarbons (diesel range organics), and for a petroleum fingerprint analysis on November 5, 2010. Laboratory analysis of the LNAPL contained within BW-5 has shown the LNAPL to most closely resemble "motor oil" based on a fuel identification analysis performed by Mitkem Laboratories, which is a division of Spectrum Analytical, Inc. The LNAPL was also reported to contain TCE and PCBs at concentration of 2,400 parts per million (ppm) and 12 ppm, respectively. As such, it is likely that the LNAPL is the source of TCE in groundwater within AOC #1.

Metals

Metals were not detected at concentrations above the Part 375-6 RPSCOs for Unrestricted Use or the NYSDEC Commissioner Policy 51 (CP-51) Supplemental Soil Cleanup Objectives (SSCOs) in the soil samples within or in proximity to the IRM soil removal area. The shallow groundwater sample (SP-15) from BW-5 contained one metal (lead) above the NYSDEC Part 703 Groundwater Standard. No other groundwater samples in or in proximity to the IRM soil removal area contained elevated concentrations of metals.

Figure 2 provides a summary of the VOC soil sampling results from AOC #1 and Figure 3 provides a summary of the VOC groundwater sampling results for the Site. Figure 4 provides a summary of the pesticides and PCB soil sampling results from AOC #1 and Figure 5 provides a summary of the pesticides and PCB groundwater sampling results for the Site.

Based on the findings presented above, LaBella proposed the implementation of an IRM for AOC #1: Former Oil House that included the removal and disposal of soil, weathered bedrock, groundwater, and LNAPL to the extent practicable. The July 2011 Draft IRM Work Plan was submitted to the NYSDEC for review and the document was subsequently modified in response to NYSDEC comments and finalized in August 2011.

3.0 OBJECTIVE

The objective of this IRM was to remove the identified "source-area" soil with concentrations that exceeded the applicable RPSCOs and SSCOs (refer to Section 4.2), and bedrock, accessible LNAPL, and groundwater to the extent practicable from AOC #1: Former Oil House Area. The IRM for AOC #1 was not designed to be the final remedy for the Site or address other AOCs at the Site, but it is intended to be the final remedy for only AOC #1 soils in the immediate vicinity of the IRM.

The overall objective for the Site is to redevelop the property for commercial/residential use.

4.0 SUMMARY OF THE REMEDIAL GOALS

4.1 IRM Remedial Goals

The proposed future use for the Site is commercial/residential uses. As such, at a minimum, the IRM was designed to eliminate or mitigate all significant threats to public health and/or the environment presented by the subsurface impacts identified at AOC #1 through the proper application of scientific and engineering principles.

The Remedial Goals for this IRM were as follows:

1.) Excavate soils and weathered bedrock impacted with constituents previously identified in the RI and including, but not limited to VOCs and LNAPL, as well as PCBs, to the extent practicable given the presence of the on-site features (i.e., buildings, utilities, etc). The impacted overburden soils and the LNAPL appeared to be significant sources of TCE in the area.

2.) Remove and dispose of LNAPL, residual liquids, solids, and/or sludge located within the proposed excavation area at BW-5 and remove any soil and weathered bedrock impacts associated with presence of the LNAPL.

3.) Dewater, containerize, treat (if necessary), and dispose of any liquid materials generated during the IRMs as well as liquid materials found to accumulate within the remedial excavations in any significant quantity.

4.) Install overburden-bedrock interface wells to monitor LNAPL and groundwater conditions in the vicinity of the excavation.

5.) Collect sufficient information to specify location(s) for deep bedrock monitoring well(s).

4.2 Standards, Criteria and Guidelines

This section identifies the SCGs for the Site. The SCGs for soil and groundwater identified below were used in order to quantify the extent of contamination at the Site that required remedial work:

Soil SCGs

The following SCGs for soil were used in developing the IRM:

- NYCRR Subpart 375-6 RPSCOs for Unrestricted Use.
- NYCRR Subpart 375-6 RPSCOs for the Protection of Groundwater.
- NYCRR Subpart 375-6 RPSCOs for the Protection of Public Health – Restricted Residential Use.
- NYSDEC Commissioner Policy-51 (CP-51) SSCOs for Restricted Residential Use.
- NYSDEC CP-51 SSCOs for the Protection of Groundwater.

Groundwater SCGs

The SCGs for groundwater used in this IRM are:

- NYSDEC Part 703 Groundwater Standards

The attached Table 1 presents the complete list of applicable Restricted Residential Use and Protection of Groundwater SCGs for AOC #1, which were used to determine the success of the IRM project (i.e., removal of soil with contaminant concentrations above the applicable Part 375-6 RPSCOs and CP-51 SSCOs).

5.0 DESCRIPTION OF INTERIM REMEDIAL MEASURES PERFORMED

Governing Documents

The documents governing the IRM work include:

- LaBella's August 2011 "Interim Remedial Measure Work Plan" for AOC #1, which included a Health and Safety Plan (HASP), Site Specific Community Air Monitoring Plan (CAMP) and a Quality Control Plan (QCP).
- NYSDEC's September 14, 2011 letter approving LaBella's August 2011 IRM Work Plan with modifications noted.
- LaBella's December 9, 2011 IRM Work Plan AOC #1 Former Oil House Addendum #1.
- NYSDEC's letter dated December 12, 2011 approving the Addendum to the IRM Work Plan with modifications noted.
- LaBella's September 2011 "Contained in Demonstration Work Plan."
- NYSDEC's October 24, 2011 letter approving the Contained In Demonstration Work Plan with modifications/clarifications noted.

Involved Parties

The following entities participated in the IRM work:

- Genesee Valley Real Estate – GVRE constructed the fencing and signage for the Site.
- Op-Tech Environmental (Op-Tech) – Op-Tech completed the removal work, soil staging, load-out of trucks, etc. In addition, Op-Tech provided daily site controls (fencing around excavation, maintaining fencing into the work area).
- Page E.T.C. (Page) – Page provided roll-offs and trucks for hauling excavated materials to the Waste Management facilities.
- Waste Management (WM) – WM provided some roll-offs and also received all the soil/bedrock removed from the Site.
- Rain for Rent – Rain for Rent provided two tanks for containerizing excavation waters.
- Spectrum Analytical, Inc. (Spectrum) – Spectrum provided laboratory testing of a portion of the confirmatory soil samples and waste characterization samples.
- Paradigm Environmental Services (Paradigm) – Paradigm provided laboratory testing of a portion of the confirmatory soil samples and waste characterization samples.
- Nothnagle Drilling, Inc. (Nothnagle) – Nothnagle completed the well installations.
- LaBella Associates, P.C. (LaBella) – LaBella provided an environmental field technician to conduct community air monitoring, field screening of the excavated soil and sidewalls, and collection of confirmation and waste characterization samples. In addition, LaBella is the engineer on the project that documented all the work completed in order to develop this CCR.

The following sections describe the work completed during implementation of the IRMs.

5.1 Air Monitoring

Prior to initiating excavation and other soil handling activities each day, LaBella set up air monitoring equipment in conformance with the IRM Work Plan, which included:

- Background Monitoring – Background VOC and fugitive dust monitoring was completed at the beginning of each day and periodically throughout the day while IRM Activities were being conducted. The background monitoring was used for comparing readings from the other monitoring locations.
- Downwind Perimeter Monitoring – The downwind perimeter work area monitoring included VOC and fugitive dust monitoring which was completed continuously during the IRM Activities.
- Nearest Potential Receptor Monitoring – Additional VOC monitoring was completed during IRM Activities to provide an added measure of protection at this Site that would not normally be required by NYSDEC or NYSDOH (i.e., this is above and beyond the NYSDOH Generic Community Air Monitoring Plan).

The following sections describe these monitoring activities in greater detail.

While the Community Air Monitoring Plan (CAMP) in the IRM Work Plan also contained a Vapor Emission to Sensitive Receptors Response Plan that described the actions to be taken in the event of contraventions of specified action levels, these response actions were not implemented during the course of the remedial activities because no such contraventions occurred.

5.1.1 Site Background Monitoring

LaBella established a background monitoring location in an appropriate upwind location on the Site. Figure 6 shows the location of the background monitoring station. Monitoring log sheets are included in Appendix A. The upwind, background organic vapor and dust measurements were used to compare the measurements collected at the two downwind locations to the action levels. Background measurements were collected a minimum of every 60 minutes throughout the duration of the IRM Activities for that day. The specific background monitoring program employed at the Site is described below:

Background VOC Monitoring:

A PID capable of data logging was used to screen the ambient air or VOCs in the background location (i.e., upwind). The background readings were collected using a 15-minute running average for comparison to the downwind perimeter monitoring measurements and the nearest potential receptor monitoring. After the initial reading, periodic background readings were measured at least every 60 minutes.

Background Fugitive Dust Monitoring:

A DustTrak™ Model 8520 aerosol monitor was used for measuring particulates less than 10 micrometers in size (PM-10). The background dust monitoring consisted of collecting measurements integrated over a 15-minute period and was used for comparison to the downwind perimeter monitoring. After the initial reading, periodic background readings were collected at least every 60 minutes.

5.1.2 Downwind Perimeter Monitoring

Subsequent to collecting the initial Background Monitoring measurements, continuous monitoring of the downwind perimeter of the work area (i.e., exclusion zone) was conducted throughout the duration of the IRM activities each day. One downwind perimeter monitoring location was established on the northern portion of the Exclusion Zone and one was located on the eastern portion of the Exclusion Zone. Figure 6 shows the downwind perimeter monitoring locations.

Downwind Perimeter VOC Monitoring:

A MiniRae Lite PID was used to continuously monitor for VOCs at the downwind perimeter locations. An audible alarm was set to sound in the event that total organic vapors exceeded 5 parts per million (ppm) above the background readings.

Downwind Perimeter Fugitive Dust Monitoring:

DustTrak™ Model 8520 aerosol monitors were used at each downwind perimeter monitoring station for measuring particulates less than 10 micrometers in size (PM-10). The dust monitoring was conducted continuously and the measurements were integrated over 15-minute periods. The results were compared to the background monitoring results and the action levels. An audible alarm was set on the dust meter to sound in the event that particulate levels exceed 100 micrograms per cubic meter ($\mu g/m^3$) greater than background for the 15-minute period. In addition, visible dust was also monitored throughout the IRM work.

5.1.3 Nearest Potential Receptor Monitoring

A ppbRAE was used to continuously monitor for VOCs between the nearest potential receptor and the work area. Specifically, the ppbRAE was located half the distance between the perimeter of the work area (exclusion zone) and the nearest potential receptor, hereinafter referred to as the "Nearest Potential Receptor Monitoring Location." The ppbRAE was operated in continuous mode and used 15-minute running averages to account for any drift. An audible alarm was set on the ppbRAE to sound in the event that total organic vapors exceed 1 ppm above the background readings. Figure 6 shows the location of the Nearest Potential Receptor Monitoring Location.

5.1.4 Air Monitoring Results

No air action levels were reached during the course of the IRM activities. Appendix A contains the daily air monitoring logs and the electronic, continuous measurements logged by each meter. It should be noted that these logs include inaccurately a few instances elevated readings due to software issues as well as several instances when the PIDs were used to screen soils (as opposed to air). Examples of these instances occurred on November 15, 2011, at approximately 1pm and November 16, 2011, at approximately 11:30am. Documentation associated with the software issues is included in Appendix A. It should also be noted that visible dust was noted during jack hammering activities to remove the concrete stairs on November 28, 2011; however, visible dust dissipated prior to leaving the work zone.

5.2 Soil and Bedrock Excavation

The soil and bedrock removal was conducted between November 14, 2011, and December 15, 2011; however, some activities were completed after December 15, 2012 (e.g., removal of roll-offs, site restoration, and discharge of excavation waters). The final extent of the excavation is shown on Figure 8.

Prior to the initiation of any invasive work, an Underground Facilities Protection Organization (UFPO) stakeout was conducted at the Site to locate any subsurface utilities in the area of the excavation.

A LaBella representative continuously monitored the excavated soils for visible impairment, olfactory indications of impairment, and/or indication of detectable VOCs with a photoionization detector (PID), collectively referred to as "evidence of impairment."

The soil and bedrock were excavated using a Caterpillar Model 315D excavator. The excavation was initiated in the area anticipated to be the most contaminated, and the excavation was widened until apparently clean soil was encountered. Confirmatory samples were collected from the sidewalls of the excavation to demonstrate that the limits of contamination in the soil were reached.

The vertical extent of the excavation was determined based on field observations. The southern portion of the excavation was terminated at the top of bedrock (approximately five feet below grade), while the northern portion of the excavation extended two to four feet into bedrock to remove bedrock that contained elevated concentrations of VOCs and free product. Because the bottom of the excavation reached, and in some places extended into, the bedrock, confirmatory samples were not collected from the floor of the excavation.

Items of note in relation to the excavation work included:

1. A concrete structure was encountered in the central portion of the excavation. The structure was set into the bedrock and had a plastic (PVC) pipe extending from the structure. The structure was filled with soil. The concrete structure appeared to be a former catch basin (refer to Figure 8). A sample of the soil within the concrete structure was collected and submitted for analysis of TCL VOCs by USEPA Method 8260, TCL SVOCs (USEPA Method 8270) and PCBs (USEPA Method 8082). Analytical results are summarized below:
    a. PCBs – not detected above laboratory method detection limits (MDLs).
    b. VOCs – not detected above laboratory MDLs with the exception of m,p-xylene and o-xylene. However, these two (2) compounds were both detected below Part 375-6.8(a) Unrestricted Use SCOs.
    c. SVOCs – Several compounds detected, one (1) of which (chrysene) was detected above Part 375-6.8(a) Unrestricted Use SCOs and Part 375-6.8(b) Restricted Use SCOs for the Protection of Groundwater. Bis(2-ethylhexyl) phthalate, dibenzofuran and 2-methylnapthalene were detected above laboratory MDLs. There are currently no Part 375 SCOs for these compounds. Bis(2-ethylhexyl) phthalate and dibenzofuran were detected below their respective CP-51 SSCOs for Protection of Groundwater and Residential facilities. It should be noted that 2-methylnapthalene was detected above its CP-51 SSCO for Residential facilities but below the CP-51 SSCO for Protection of Groundwater.

    It should be noted that this area was previously lower than it is currently and it has been reported that the area previously was utilized as a loading dock. As such, a catch basin for stormwater appears consistent with historic information on the area it was encountered. The location of the apparent catch basin is shown on Figure 8. Although impacts within the catch basin were not noted, the catch basin was set approximately 3 feet into bedrock and a heavy sheen and trace

NAPL were observed on the water in this area during removal of the bedrock around and beneath the catch basin.

2. A 3 or 4 inch steel pipe was encountered in the northeast corner of the excavation on December 2, 2011. The steel pipe was running north/south and encountered directly on top of bedrock and appeared set slightly into rock. The steel pipe did not exhibit any odors and no staining or elevated PID readings were noted on soil/weathered rock around the piping. The ppB Rae was utilized to collected a PID reading from the pipe and a reading of 211 parts per billion (ppb) was noted. A test pit into the bedrock (approximately 2.5' below the top of rock) was completed beneath the piping to evaluate the potential for impacts in the weathered bedrock in this area; however, no sheen, NAPL or elevated PID readings were noted on the weathered rock removed or standing water in the excavation in this area. Based on the lack of apparent impacts within the piping and around the piping, no further work was completed in relation to this piping. It should be noted that the piping may be the apparent piping noted on 1950 Sanborn mapping (refer to Figure 6 of the IRM Work Plan).

3. NAPL was observed during bedrock removal activities. Initially, as noted above, a heavy sheen and trace NAPL was observed during removal of bedrock around/beneath the concrete catch basin. Based on VOC concentrations in confirmatory sample CS-3, the excavation proceeded to the northwest and the stairs were removed to facilitate further soil removal in this direction. Bedrock was also removed from beneath the former location of the stairs and significant NAPL was observed to be released during the removal of bedrock from this area. As bedrock removal progressed further to the north and west (in proximity to CS-6 and CS-7), only trace amounts of NAPL were observed. A sample of the NAPL accumulated in the excavation was collected on December 2, 2011, and submitted to Paradigm for analysis of PCBs using USEPA Method 8082; pesticides (USEPA Method 8081); Total Petroleum Hydrocarbons (TPH; USEPA Method 310-13); TCL SVOCs and TICs (USEPA Method 8270); and TCL VOCs and TICs (USEPA Method 8270). The TPH analysis indicated lube oil to be present in the samples at 316,000 ppm. Other targeted compounds were not identified above laboratory MDLs, with the exception of several unknown VOC TICs. It should be noted that due to the nature of the sample (i.e., product), laboratory MDLs were relatively high (when compared to a soil or groundwater sample).

In accordance with the IRM Work Plan, the excavated material was segregated prior to re-use or off-site disposal using field screening methods followed by laboratory analysis. The excavated material was classified into the materials types outlined in Table A on Page 13.

The following sections describe the handling and characterization of these classes of materials and Table A summarizes this information and quantities.

5.2.1 Class 1 Materials: Uncontaminated Soil

Soil or fill materials that exhibited PID measurements of less than 5 ppm and no observable free product were segregated and placed on and covered with plastic sheeting for sampling and potential re-use in the excavation. The sampling and analysis were conducted in accordance with DER-10 Section 5.4 for On-Site Reuse. Specifically, approximately 195 cubic yards of Class 1 material were generated and as such the following sampling was completed:

- Four (4) discrete (grab) samples were collected for VOC analysis by USEPA Method 8260.
- Three (3) composite samples were collected for SVOC (Method 8270), PCB (Method 8082), TAL Metal (Methods 6010 and 7471), and Pesticides (Method 8081).

The sampling results indicated 4,4'-DDT to be the only targeted compound identified above Part 375 Unrestricted Use SCOs; however, it was below the Restricted Residential and Protection of Groundwater SCOs. This compound was detected in grab sample Class 1 Pile Wet (collected November 16, 2011) and composite sample Class 1 Soil Pile #2 (collected December 5, 2011). This compound was not detected above Part 375 Restricted Use SCOs in either sample. It should also be noted that calcium and iron were detected in samples Class 1 Pile Dry, Class 1 Pile Wet and Class 1 Soil Pile #2 at levels above their respective NYSDEC CP-51 SSCOs for protection of ecological resources (calcium) and residential (iron). It should be noted that there are currently no Part 375 comparison values for these metals. Refer to Section 5.6 for additional information regarding Class 1 Materials as backfill.

Appendix B contains the associated analytical results reports and Tables 5a through 5e summarize the testing results

Based on the field screening and laboratory results, the uncontaminated soil was deemed acceptable for re-use on-site and was used as backfill in the excavation. In general, this material was placed one to two feet below the ground surface and was covered with soil imported from off-site, as described in Section 5.6 below. An exception to this is where this material was placed to grade in the southern portion of the excavation. However, the entire IRM area was "top coated" with clean offsite fill, refer to Section 5.6 for further details on backfilling operations.

5.2.2 Class 2 & 3 Materials: Non-Hazardous, Contaminated Soil

It should be noted that the IRM Work Plan initially allowed for handling of Class 2 and 3 materials separately; however, based on requests from NYSDEC all Class 2 & 3 materials were placed in lined roll-offs and covered daily.

Excavated soil exhibiting PID measurements above 5 ppm and no observable free product were staged in roll-off containers lined with plastic sheeting for characterization prior to off-site disposal. The characterization sampling and analysis was conducted in accordance with the "Contained-In" Demonstration Criteria identified in Section 5.1 of IRM Work Plan; LaBella's September 2011 Contained-In demonstration Work Plan, and NYSDEC TAGM 3028. The "Contained-In" Criteria were used to determine whether TCE-containing soil could be disposed as non-hazardous at a Part 360 Permitted Facility or require disposal as a hazardous waste. Prior to requesting a "Contained-In" Demonstration, Class 2, 3 and 5 materials were stockpiled onsite and analyzed for the following parameters:

- Total VOCs using USEPA Method 8260;
- Toxicity Characteristic Leaching Procedure (TCLP) for Total VOCs using USEPA Method 1311;
- Total PCBs using USEPA Method 8082; and,

- Total Pesticides using USEPA Method 8081.

Contained in requests were made to NYSDEC twice and NYSDEC issued two letters November 29, 2011 and December 20, 2012 that approved the disposal of the Class 2 & 3 materials as non-hazardous waste at High Acres landfill. Documentation of the contained in requests and NYSDEC approvals are included in Appendix C. A total of 142.26 tons of contaminated, non-hazardous soil was disposed off-site at the High Acres Landfill. Disposal documentation (waste profiles, bills of lading, weigh tickets, etc.) are included in Appendix C.

5.2.3 Class 4: Hazardous, Contaminated Soil

Class 4 materials were originally anticipated to consist of soil or fill material with observable LNAPL or sludges. However, Class 4 materials were not encountered at the Site during the IRM work. As such, characterization and disposal of Class 4 materials was not required.

5.2.4 Class 5: Non-Hazardous Bedrock

Following removal of the overburden, Op-Tech used the teeth of the excavator bucket to break up and remove approximately two to four feet of bedrock following the observation of free product in the shallow bedrock in the northern portion of the excavation. The weathered bedrock was placed in lined roll-offs for characterization prior to off-site disposal. The roll-offs were secured (covered) daily and prior to leaving the Site for disposal.

The "Contained-In" Criteria were used to determine whether TCE-containing bedrock could be disposed as non-hazardous at a Part 360 Permitted Facility or require disposal as a hazardous waste. Prior to requesting a "Contained-In" Demonstration, Class 5 materials were stockpiled onsite in lined and covered roll offs and analyzed for the following parameters:

- Total VOCs using USEPA Method 8260;
- Toxicity Characteristic Leaching Procedure (TCLP) for Total VOCs using USEPA Method 1311;
- Total PCBs using USEPA Method 8082; and,
- Total Pesticides using USEPA Method 8081.

Contained in requests were made to NYSDEC twice and NYSDEC issued two letters November 29, 2011 and December 20, 2012 that approved the disposal of the Class 5 material as non-hazardous waste at Model City landfill. Documentation of the contained in requests and NYSDEC approvals are included in Appendix C. A total of 185.05 tons of non-hazardous bedrock was disposed of at Waste Management's Model City landfill. Disposal documentation (waste profiles, bills of lading, weigh tickets, etc.) are included in Appendix C.

Table A
Solid Materials Segregation and Staging

Class of Material	Physical Description	Volumes/Weight	Staging Criteria	Characterization Sampling (1)	Disposal or Reuse (1)
Class 1	Soil or fill materials exhibiting PID readings of less than 5 ppm and no observable free product	Approximately 195 CY (0 to 3 ft.)	Placed on and covered by polyethylene sheeting and sufficiently anchored to prevent any wind and water erosion. The cover was inspected at least once per day with corrective action taken as needed. The inspections and any corrective actions were document in logs until the soils were properly managed.	Sampled Per DER-10 Section 5.4 for On-Site Reuse, Refer to Section 5.2.1	On-Site Backfill
Classes 2 & 3	Soil or fill materials exhibiting PID readings greater than 5 ppm and no observable free product.	142.26 Tons	Placed in roll-off dumpsters lined with and covered by polyethylene sheeting.	Sampled per Contained-In Demonstration Criteria – Refer to Section 5.2.2	Off-Site Disposal at High Acres Landfill as Non-Hazardous Material
Class 4	Soil or fill materials with observable LNAPL or sludges.	NA, Class 4 materials were not identified	NA, Class 4 materials were not identified	NA, Class 4 materials were not identified	NA, Class 4 materials were not identified
Class 5	Weathered and Competent Bedrock	185.05 Tons	Placed in roll-off dumpsters lined with and covered by polyethylene sheeting	Sampled per Contained-In Demonstration Criteria – Refer to Section 5.2.3	Off-Site Disposal at Model City Landfill as Non-Hazardous

Notes:

(1) Reuse or off-site disposal was based on the characterization data obtained at the time of the work.

5.3 Confirmatory Soil Sampling

Subsequent to excavating impaired soil to the extent practicable, in order to confirm that the IRM excavation activities had removed soils impacted above NYSDEC criteria, confirmatory soil samples were collected from the sidewalls of the remedial excavation. Because the excavation was advanced to and in some places into bedrock, no confirmatory soil samples were collected from the floor of the excavation.

The confirmatory soil sampling was conducted in accordance with NYSDEC Division of Remediation (DER) guidance document #10 (DER-10) which requires one sidewall sample for every thirty feet of the perimeter of the excavation. The samples were collected from the worst case locations based on visual/olfactory observations and PID readings. The confirmatory samples were collected from the bottom 1/3 of each sidewall and were generally within one foot of bedrock. The confirmatory soil sampling locations were tape measured using the on-site buildings and other features. Figure 8 shows the locations of the confirmatory soil samples and Table 8 includes the geographic data for these sample locations.

The confirmatory soil samples were delivered under chain-of-custody procedures to Spectrum Analytical, Inc. (Spectrum) and Paradigm Environmental Services, Inc. (Paradigm). Samples CS-1 through CS-5 were analyzed by Spectrum and samples CS-6 through CS-10 were analyzed by Paradigm. Spectrum and Paradigm are New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified laboratories. The confirmatory soil samples were analyzed as individual 'discrete' samples for the following parameters:

- United States Environmental Protection Agency (USEPA) Target Compound List (TCL) VOCs and Tentatively Identified Compounds (TICs) VOCs using USEPA Method 8260;
- USEPA TCL SVOCs and TICs SVOCs using USEPA Method 8270;
- Polychlorinated biphenyls (PCBs) using USEPA Method 8082; and
- Pesticides using USEPA Method 8081.

Table 5 summarizes the confirmation sampling analytical results, and the complete laboratory analytical report is included in Appendix B. It should be noted that analysis of sample CS-10 was limited to TCL VOCs and TICs, which was verbally approved by the NYSDEC Project Engineer. This variation in sampling was warranted due to the lack of identification of other parameters (i.e., SVOCs, pesticides and PCBs) in sample CS-9, which was collected along the eastern sidewall prior to further excavation due to exceedences of vinyl chloride identified in CS-9. CS-10 was collected from the final extent of the eastern sidewall.

The analytical results for the confirmatory soil samples were compared to the RPSCOs for the Protection of Groundwater and for the Protection of Public Health – Restricted Residential Use. In addition, for comparison purposes, the confirmatory sample results were also compared to Part 375 Unrestricted Use SCOs. Locations of the confirmatory samples are included on Figure 8. Analytical data are tabulated in Table 2. The following describes the results of the confirmation sampling and analysis:

- A total of ten confirmatory soil samples (designated CS-1 through CS-10) were collected from the sidewalls of the remedial excavation.
- Pesticides and PCBs were not detected above their respective RPSCOs in any of the ten (10) confirmatory samples.

- Eastern Sidewall:
    - Samples CS-1, CS-4, CS-9 and CS-10 were collected from the excavation's eastern sidewall. SVOCs were detected above their respective RPSCOs in CS-1, prompting further excavation of this sidewall. CS-4 was collected following this extension of the sidewall. Following the identification of one (1) VOC above its respective RPSCO in CS-4, the sidewall was extended several feet further east. CS-9 was collected following this extension. Following the identification of one (1) VOC slightly above its respective RPSCO in CS-9, the excavation was extended approximately 3-ft to the east, at which point CS-10 was collected. VOCs were not detected above their respective RPSCO in CS-10.
- Northern Sidewall:
    - Samples CS-6 and CS-8 were collected from the excavation's northern sidewall. Full suite parameters were not identified above their respective RPSCOs in these samples. It should also be noted that while parameters of CS-6 were not detected above their respective RPSCOs, the excavation was later expanded beyond this sampling area in order to excavate bedrock in this area.
- Western Sidewall:
    - Samples CS-2, CS-3 and CS-7 were collected from the excavation's western sidewall. Full suite parameters were not identified above their respective RPSCOs in samples CS-2 and CS-7. However, three (3) VOCs and seven (7) SVOCs were detected above their respective RPSCOs in CS-3. Following these detections, the excavation was extended to the northwest. To facilitate further removal in this direction, the concrete stairwell was removed. Subsequent to this additional excavation, sample CS-7 was collected. It should also be noted that while parameters of CS-7 were not detected above their respective RPSCOs, the excavation was later expanded beyond this sampling area in order to excavate bedrock in this area.
- Southern Sidewall:
    - Sample CS-5 was collected from the excavation's southern sidewall. Full suite parameters were not identified above their respective RPSCOs in this sample, with the exception of a detection of 4,4'-DDT above the NYCRR Subpart 375-6 RPSCO for Unrestricted Use. However, it should be noted that the concentration of this pesticide in sample CS-5 was identified at a level well below the NYCRR Subpart 375-6 RPSCOs for the Protection of Groundwater and Protection of Public Health – Restricted Residential Use.

- As shown in Table 2, laboratory analytical results indicate that targeted compounds were not detected above their respective RPSCOs in confirmatory samples collected from the sidewalls which made up the final extent of the excavation. It should be noted that all targeted compounds were not detected above their respective Unrestricted SCOs in the final confirmatory samples with the exception of 4,4'-DDT in CS-5; however, the detected concentration of 4,4'-DDT in CS-5 (0.0045 ppm) is below other applicable RPSCOs for this compound.

5.4 Excavation Dewatering

A significant amount of groundwater entered the excavation during the IRM activities. Therefore, to complete the excavation, dewatering of the excavation was conducted on a regular basis throughout the

implementation of the IRMs using a trash pump to convey the water into two holding tanks on the Site. LaBella characterized the excavation water through sampling and the analysis of TCL VOCs, SVOCs, and PCBs, in accordance with the temporary discharge permit number ST-199 issued by Monroe County. Following receipt of results demonstrating that the excavation water met the requirements of the discharge permit and Monroe County approval, a hose was used to convey the water via gravity flow to the sanitary sewer catch basin in the right-of-way of Martin Street that was the approved location by MCPW. An approximate total of 32,300 gallons of excavation water was discharged during the course of the IRM.

Appendix C includes the permit documentation for the excavation water discharges.

In addition to the dewatering work completed, the NAPL was also removed from the excavation by absorbent pads. The absorbent pads were containerized and consolidated with absorbent socks utilized during other NAPL monitoring activities (BW-5 and BW-10, refer to Section 5.7). These pads/socks have been staged on-site and will be disposed of in the future.

5.5 Infrastructure Construction

Because portions of the excavated bedrock contained a small amount of free product and it was possible to remove a portion of the weathered bedrock from the TCE source area, limited infrastructure was installed in the excavation to monitor for free product that may accumulate over time within this area. Additionally, the infrastructure will also allow for the potential to recover free product should it be observed in the future and could also be used for future extraction and/or treatment of groundwater, if warranted.

The infrastructure consisted of the placement of approximately six inches of pea gravel in the bottom of the northern portion of the excavation, where the bedrock had been removed. As built drawings of the infrastructure installed, are included as Figure 8 (plan view) and Figure 9 (cross-section and details).

Two 10-foot lengths of six-inch diameter PVC slotted pipe were placed horizontally on the pea gravel. One end of each piece of PVC piping was capped and the other end was connected to a solid six-inch PVC riser pipe that extended above finished grade. Additional pea gravel was placed around and on the horizontal pipes to the approximate, former depth of the top of bedrock. Filter fabric was installed above the pea gravel to reduce fines from “clogging” the pea gravel and piping and the excavation was backfilled using the material described in Section 5.6.

Because the riser piping is solid and will not allow for monitoring of LNAPL above the horizontal piping level, a pre-packed, one-inch diameter, PVC well screen was also placed within the backfill and set with the bottom of the screen to the top of the horizontal slotted six-inch piping. The well consists of five feet of screen, which resulted in the top of the screen section at approximately one foot above the top of bedrock. This should allow for adequate fluctuations in groundwater levels (historic monitoring indicates the top of water at or below the bedrock/overburden interface).

A monitoring schedule for the new subsurface infrastructure will be discussed with NYSDEC at a later date; however, it is currently anticipated that this monitoring (and, if necessary, extraction) schedule will

be consistent with the schedule presented in the IRM Work Plan relative to monitoring the groundwater following the soil and bedrock removal.

5.6 Backfill

Three sources of backfill were used at the Site: 1) the uncontaminated material discussed in Section 5.1.1, 2) imported soil fill utilized as backfill of the excavation and for top coating disturbed areas, and 3) imported stone fill material utilized around the infrastructure installed (discussed in Section 5.5). Top-cover was seeded in the Spring of 2012. A summary of each material and its placement location is below:

Class 1: Excavated Material Reused On-Site

The Class 1 material that was excavated and appeared based on field observations (olfactory, visual and PID readings) that did not appear contaminated were segregated and placed on and covered by polysheeting. A total of approximately 105 cubic yards of Class 1 material was staged and characterize. The characterization testing was completed in accordance with DER-10 Section 5.4. Specifically, the Class 1 material was analyzed for:

- Four (4) samples for TCL VOCs using USEPA Method 8260;
- Three (3) samples for TCL SVOCs using USEPA Method 8270;
- Three (3) samples for TAL Metals using USEPA Methods 6010 & 7471;
- Three (3) samples for Total PCBs using USEPA Method 8082; and,
- Three (3) samples for Total Pesticides using USEPA Method 8081.

Based on the results of the sampling and confirmation by NYSDEC verbally, the Class 1 material was reused as backfill. The sampling results from the Class 1 materials are included in Appendix B and summarized in Tables 5a through 5e. The Class 1 was placed in the bottom of the excavation, up to within one to two feet of the ground surface, with the exception of the southern portion of the excavation, where the Class 1 material was filled up to grade; however, this area was 'top coated' with imported fill (see below). The Class 1 material was placed in approximate one-foot lifts and compacted with the excavation equipment.

Imported Fill Materials

- Pea gravel was imported to the site for placement around the NAPL monitoring/extraction infrastructure installed in the bedrock portion of the excavation. As discussed above, the pea gravel was placed within the bedrock zone. The pea gravel was obtained from the Dolomite Mendon Plant (DEC Permit #8053-30-0267) and was a #1 washed gravel. The material did not require chemical testing since it met the exemption in DER-10 based on the type/source of the material. Documentation of the source of the material is included in Appendix C. Approximately 103 tons of material were imported and placed in the bedrock portion of the excavation.
- Following placement of the Class 1 on-site material, additional soil backfill was brought to the Site and placed in the excavation to fill it back to grade. In addition, all disturbed areas adjacent to the excavation, such as soil staging areas, were top coated (approximately a 3-6 inch layer) with the imported soil fill material. Approximately 350

cubic yards of soil were imported from the Elam Sand and Gravel Corporation in West Bloomfield, New York. Prior to importing the soil fill material, the material was sampled by LaBella. Two (2) samples were analyzed for TCL VOCs using USEPA Method 8260 and one (1) sample was analyzed for TCL SVOCs (USEPA Method 8270); TAL Metals (USEPA Method 6010/7470); PCBs (USEPA Method 8082); and pesticides (USEPA Method 8081). The sampling results are summarized in Table 7 and indicated that the material was acceptable for use as backfill at the Site. The laboratory report for the imported backfill material is included in Appendix B and documentation on the imported material (weigh tickets) are included in Appendix C. Approximately 150 tons of imported sand material were placed in the excavation.

5.7 Monitoring Well Installation and Sampling

Installation

Following completion of the remedial excavation, four overburden/shallow bedrock monitoring wells were installed to evaluate groundwater conditions and for NAPL. The wells, designated BW-09 through BW-12, were installed surrounding the removal area the week of January 16, 2012. The wells were installed in the following locations:

- BW-09 was installed approximately six feet to the northwest of the northwestern corner of the removal area;
- BW-10 was installed approximately twelve feet to the north of the northeastern corner of the removal area;
- BW-11 was installed through the concrete sidewalk approximately 15 feet to the southwest of the southwestern corner of the removal area; and
- BW-12 was installed approximately five feet to the east of the eastern wall of the removal area.

The approximate locations of these wells are depicted on Figure 7 and Table 8 includes the geographic data for these sample locations. These well locations were selected based on known historic features, the findings of the RI work and IRM excavation work and were approved in the field with the NYSDEC.

The bedrock interface wells were installed under LaBella supervision using a rotary drill rig operated by Nothnagle Drilling, Inc. At each well location, overburden soil samples were collected using split-spoon samplers from the ground surface to apparent split-spoon refusal. Soil was screened in the field using a photo-ionization detector (PID) with a 10.6 eV lamp and using visual and olfactory observations. Apparent stained soils with a slight petroleum odor and elevated PID readings were noted located immediately above bedrock in wells BW-09 and BW-10. The PID readings were measured up to 49.4 ppm in BW-09 between 6 -feet and 8-feet bgs and up to 146 ppm in BW-10 between 6 -feet and 8-feet bgs. Based on the observations and PID readings and conversations with the NYSDEC, soil samples were submitted from BW-09 and BW-10 for laboratory analysis of USEPA TCL VOCs. Analytical results of these samples indicated that no targeted compounds were identified above the SCGs (including Part 375 Unrestricted Use SCOs and Protection of Groundwater RPSCOs). These data are tabulated in

Table 3. The laboratory analytical report and the data usability summary report (DUSR) associated with these samples is included in Appendix B.

Subsequent to drilling through overburden soils of various depths (based on the well locations), the wells were advanced through the top three feet of weathered bedrock, with the exception of BW-10, which was advanced through the top four feet of weathered bedrock. Bedrock drilling was conducted using 6-5/8-inch hollow stem augers. The augers were advanced slowly to evaluate cuttings for free product and to evaluate potential transition from weathered rock to competent rock. Following completion of each boring/well, soils generated during drilling were contained in 55-gallons steel drums for future characterization and offsite disposal.

A 4-inch PVC with 0.020-slot screened interval between 5 ft. and 10 ft. in length was installed into each. A coarse sand filter pack was installed from the bottom of the borehole annulus, extending at least 6-inches above the top of the screened interval. The screened interval extends from the bottom of the boring to across the apparent top of the water table (allowing for potential seasonal fluctuations). A layer of choke sand was placed above each filter pack for strength. Bentonite was installed into each borehole annulus extending from the top of the choke sand to the ground surface to provide a seal for the well point. Soil boring logs and well construction diagrams are included in Appendix D.

Well development occurred on January 20, 2012. Per conversations with the NYSDEC, each well was purged of approximately ten well volumes with the exception of BW-09, for which recharge was limited and only approximately five well volumes were able to be removed. Per the IRM Work Plan, stabilization parameters (pH, specific conductance, temperature, and clarity (goal of <50 NTUs)) were recorded during development. Stabilization of these parameters was achieved for all wells with the exception of BW-09, for which turbidity less than 50 NTUs could not be established. Well development logs are included in Appendix D.

Following final development of the well, water levels were recorded and approximately 1 liter of water from each well was collected in a clear glass jar, labeled and photographed. These photographs are included with the well construction logs in Appendix D.

Sampling

Following installation, the wells were monitored once every two weeks for product using the following methods: 1) gauging the wells with an oil/water interface probe and 2) using a bailer to collect a visual sample at the top of the water column. The oil/water interface probe was initially used and the probe decontaminated between each use with an alconox and water wash followed by a potable water rinse. Subsequent to checking each well with the interface probe, new disposable bailers were slowly lowered in to each well and a sample of the water column was retrieved to evaluate for free product visually. The water and any product were placed back into the well upon completion.

Product was not observed in wells BW-09, BW-11 and BW-12 following the initial gauging event (January 20, 2012) or at 2 weeks (February 2, 2012) and 4 weeks (February 17, 2012) past the initial event. A slight odor and less than 1 millimeter of NAPL was observed on the water table in BW-10 on February 2, 2012. As such, an absorbent sock was placed in BW-10 on February 13, 2012. The sock was removed from the well on February 17, 2012, and submitted for laboratory analysis of TCL VOCs, CP-51 VOCs and total petroleum hydrocarbons (TPH). To analyze the sock, the laboratory removed pieces of the contaminated portion of the sock and homogenized these pieces. The homogenized portion of the sock was used for analysis. This analysis identified the product as lube oil and indicated the presence of trichloroethene in the sample at 223 ppb. It should be noted that the absorbent sock analytical results are considered screening level data as this sampling method is not standard. Laboratory analytical data associated with the absorbent socks is included in Appendix B. This data is tabulated in Table 4.

Sampling of wells BW-09, BW-11 and BW-12 was conducted on February 22, 2012, in substantial accordance with American Society of Testing and Materials (ASTM) Standard D6771-02 (Low-Flow Purging and Sampling for Wells and Devices Used for Ground-Water Quality Investigations). Water quality parameters were measured during purging and sampling commenced once the groundwater quality indicator parameters had stabilized for at least three (3) consecutive readings for the following parameters:

- Water Level Drawdown <0.3'
- Temperature - +/- 3%
- pH - +/- 0.1unit
- Dissolved Oxygen - +/-10%
- Specific Conductance - +/-3%
- Oxidation Reduction Potential - +/-10 millivolts
- Turbidity - +/-10% for values greater than 1 NTU

Well sampling logs are included in Appendix D. The samples were analyzed for USEPA TCL and NYSDEC CP-51 List VOCs and NYSDEC CP-51 List SVOCs using USEPA Methods 8260 and 8270. VOCs were collected first followed by SVOCs. Per the IRM Work Plan, field quality assurance/quality control (QA/QC) samples consisted of one trip blank, one duplicate and one matrix spike/matrix spike duplicate.

All purge waters removed from the recovery wells were managed as non-hazardous waste, containerized in drums and staged on-site in a secure location within Building 16 prior to offsite disposal. Disposal was completed on February 24, 2012. Waters were disposed of at the Covanta Waste Facility in Niagara Falls, New York. Waste manifests associated with this drum disposal are included in Appendix C.

Analytical results

Analytical data for bedrock interface wells BW-09, BW-11 and BW-12 indicate that SVOCs are not present in groundwater at the test locations above laboratory method detection limits (MDLs). Several VOCs were detected in the groundwater samples above laboratory MDLs. Benzene was the only compound detected in BW-09 above NYSDEC Part 703 Groundwater Standards. Benzene was detected at 1.3 ppb in both the BW-09 sample and corresponding duplicate sample. This concentration is slightly above the 1.0 ppb Part 703 Groundwater Standard.

Three (3) chlorinated solvents (vinyl chloride, cis-1,2-dichloroethene and trichloroethene) were detected in samples from BW-11 and BW-12 at concentrations above NYSDEC Part 703 Groundwater Standards. The detections of these three (3) compounds in samples BW-11and BW-12 are summarized in the table below.

	BW-11	**BW-12**	**Part 703 Groundwater Standards**
Vinyl Chloride	74	49	2
cis-1,2-dichloroethene	460	31	5
Trichloroethene	430	7.4	5

Notes: All units are in parts per billion (ppb). Full data (including laboratory data qualifiers) are tabulated in Table 6, located in the Appendix. The DUSR is included in Appendix B.

In addition, passive diffusion bags (PDBs) were installed in bedrock monitoring well BW-05 on February 22, 2012. The PDBs were installed at two depths: 8.7 to 10.7 ft bgs and 15 to 17 ft bgs. The PDBs were removed from the well on March 8, 2012. Samples were submitted for laboratory analysis of TCL VOCs.

Based on the results of the PDB sampling and analysis several VOCs were detected at levels exceeding TOGS Groundwater Standards in samples from both intervals. Vinyl chloride, 1,1-Dichloroethene, trans-1,2-dichloroethene, cis-1,2-dichloroethene, benzene, and trichloroethene were detected exceeding standards in the sample from 15 to 17 ft bgs. These same compounds were detected exceeding standards in the sample from 8.7 to 10.7 ft bgs, with the addition of m,p-Xylene. These data are summarized in Table 6. The laboratory report and DUSR are included in Appendix B.

6.0 DISCUSSION AND CONCLUSION

In November through December 2011, IRM activities at the Site removed approximately 142.26 tons of non-hazardous soil and 185.05 tons of non-hazardous bedrock. Based on the confirmatory soil sampling completed, all soil containing constituents of concern above NYCRR Part 375-6.8(a) Unrestricted Use SCOs were removed from AOC #1 with the exception of soils associated with confirmatory sample CS-5. The compound 4,4'-DDT was detected above the NYCRR Part 375-6.8(a) Unrestricted Use SCO but below the NYCRR Part 375-6.8(b) Restricted Residential Use SCO in sample CS-5. Soil was disposed of at High Acres Landfill in Perinton, New York. Bedrock was disposed of at Model City Landfill in Model City, New York. The materials were transported off-site and were disposed at appropriate facilities. In

addition, a limited volume of free product and a significant quantity of excavation water was removed from the Site, and infrastructure was installed to allow for the monitoring and potential removal of additional water and free product.

In accordance with the IRM Work Plan, product monitoring was completed in the bedrock interface wells on a two week basis following the initial post-installation gauging. A slight odor and less than 1 millimeter of NAPL was observed on the water table in BW-10 on February 2, 2012. However, product was not observed in wells BW-09, BW-11 or BW-12 during three (3) consecutive gauging events (including the initial post-installation gauging).

As such, and in accordance with the IRM Work Plan, one (1) round of post-IRM groundwater monitoring of bedrock interface wells BW-09, BW-11 and BW-12 was completed on February 22, 2012. Due to the initial gauging in BW-10 showing some NAPL, BW-10 was not sampled with BW-09, BW-11, and BW-12. BW-10 was sampled on April 19, 2012; however, the DUSR for this work was not received as of the date of this report and as such, results for this well will be included in the RI Report. . It should also be noted that in accordance with the IRM Work Plan, a second round of sampling of all wells will occur approximately three (3) months after the first round (i.e., on or around May 22, 2012).

A copy of all information collected during this remediation project, maps, notes, analytical data and other material will be kept on file at the offices of LaBella Associates, P.C. This information is available at your request.

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Tables

Table 1

Restricted Use Soil Cleanup Objectives
6 NYCRR Subpart 375-6 and CP-51 Remedial Program Soil Cleanup Objectives
(All Soil Cleanup Objectives are in mg/kg (ppm)

Contaminant	CAS No.	Restricted Residential	Protection of Groundwater
VOLATILE ORGANIC COMPOUNDS (VOCs)			
1,1,1-Trichloroethane	71-55-6	100 [a]	0.68
1,1-Dichloroethane	75-34-3	26	0.27
1,1-Dichloroethene	75-35-4	100 [a]	0.33
1,2-Dichlorobenzene	95-50-1	100 [a]	1.1
1,2-Dichloroethane	107-06-2	3.1	0.02 [f]
cis-1,2-Dichloroethene	156-59-2	0.25	0.25
trans-1,2-Dichloroethene	156-60-5	0.19	0.19
1,3-Dichlorobenzene	541-73-1	49	2.4
1,4-Dichlorobenzene	106-46-7	13	1.8
1,4-Dioxane	123-91-1	13	0.1 [e]
Acetone	67-64-1	100 [a]	0.05
Benzene	71-43-2	4.8	0.06
Butylbenzene	104-51-8	100 [a]	12
Carbon Tetrachloride	56-23-5	2.4	0.76
Chlorobenzene	108-90-7	100 [a]	1.1
Chloroform	67-66-3	49	0.37
Ethylbenzene	100-41-4	41	1
Hexachlorobenzene	118-74-1	1.2	3.2
Methyl Ethyl Ketone (MEK)	78-93-3	100 [a]	0.12
Methyl tert-Butyl Ether (MtBE)	1634-04-4	100 [a]	0.93
Methylene Chloride	75-09-2	100 [a]	0.05
n-Propylbenzene	103-65-1	100 [a]	3.9
sec-Butylbenzene	135-98-8	100 [a]	11
tert-Butylbenzene	98-06-6	100 [a]	5.9
Tetrachloroethene	127-18-4	19	1.3
Toluene	108-88-3	100 [a]	0.7
Trichloroethene	79-01-6	0.47	0.47
1,2,4-Trimethylbenzene	95-63-6	52	3.6
1,3,5-Trimethylbenzene	108-67-8	52	8.4
Vinyl Chloride	75-01-4	0.02	0.02
Xylenes (Mixed)	1330-20-7	100 [a]	1.6

Contaminant	CAS No.	Restricted Residential	Protection of Groundwater
SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs)			
Acenaphthene	83-32-9	100 [a]	98
Acenaphthylene	208-96-8	100 [a]	107
Anthracene	120-12-7	100 [a]	1,000 [c]
Benzo(a)anthracene	56-55-3	1 [f]	1 [f]
Benzo(a)pyrene	50-32-8	1 [f]	22
Benzo(b)fluoranthene	205-99-2	1 [f]	1.7
Benzo(g,h,i)perylene	191-24-2	100 [a]	1,000 [c]
Benzo(k)fluoranthene	207-08-9	3.9	1.7
Chrysene	218-01-9	3.9	1 [f]
Dibenz(a,h)anthracene	53-70-3	0.33 [e]	1,000 [c]
Fluoranthene	206-44-0	100 [a]	1,000 [c]
Fluorene	86-73-7	100 [a]	386
Indeno(1,2,3-cd)pyrene	193-39-5	0.5 [f]	8.2
m-Cresol	108-39-4	100 [a]	0.33 [e]
Naphthalene	91-20-3	100 [a]	12
o-Cresol	95-48-7	100 [a]	0.33 [e]
p-Cresol	106-44-5	100 [a]	0.33 [e]
Pentachlorophenol	87-86-5	6.7	0.8 [e]
Phenanthrene	85-01-8	100 [a]	1,000 [c]
Phenol	108-95-2	100 [a]	0.33 [e]
Pyrene	129-00-0	100 [a]	1,000 [c]

Notes:

SCO denotes Soil Cleanup Objectives.

NS denotes Not Specified.

[a] The SCOs for Restricted-Residential use were capped at a maximum of 100-mg/kg (ppm).

[d] The SCOs for metals were capped at a maximum of 10,000-mg/kg (ppm).

[e] For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL was used as the SCO.

[f] For constituents where the calculated SCO was lower than the rural soil background concentration, as determined by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for use of the site.

[h] The SCO for this specific compound (or family of compounds) is considered to be met if the analysis for the total species of this contaminant is below the specific SCO.

[i] The SCO is for the sum of Endosulfan I, Endosulfan II, and Endosulfan Sulfate.

[j] The SCO is the lower of the values for mercury (elemental) or mercury (inorganic salts).

Table 1

Restricted Use Soil Cleanup Objectives
6 NYCRR Subpart 375-6 and CP-51 Remedial Program Soil Cleanup Objectives
(All Soil Cleanup Objectives are in mg/kg (ppm)

Contaminant	CAS No.	Restricted Residential	Protection of Groundwater
METALS			
Arsenic	7440-38-2	16 [f]	16 [f]
Barium	7440-39-3	400	820
Beryllium	7440-41-7	72	47
Cadmium	7440-43-9	4.3	7.5
Chromium (Hexavalet)	18540-29-9	110	19
Chromium (Trivalent)	16065-83-1	180	NS
Copper	7440-50-8	270	1,720
Total Cyanide		27	40
Lead	7439-92-1	400	450
Manganese	7439-96-5	2,000 [f]	2,000 [f]
Total Mercury		0.81 [j]	0.73
Nickel	7440-02-0	310	130
Selenium	7782-49-2	180	4 [f]
Silver	7440-22-4	180	8.3
Zinc	7440-66-6	10,000 [d]	2,480

Contaminant	CAS No.	Restricted Residential	Protection of Groundwater
PCB & PESTICIDES			
2,4,5-TP Acid (Silvex)	93-72-1	100 [a]	3.8
4,4'-DDE	72-55-9	8.9	17
4,4'-DDT	50-29-3	7.9	136
4,4'-DDD	72-54-8	13	14
Aldrin	309-00-2	0.097	0.19
alpha-BHC	319-84-6	0.48	0.02
beta-BHC	319-85-7	0.36	0.09
Chlordane (alpha)	5103-71-9	4.2	2.9
delta-BHC	319-86-8	100 [a]	0.25
Dibenzofuran	132-64-9	59	210
Dieldrin	60-57-1	0.2	0.1
Endosulfan I	959-98-8	24 [i]	102
Endosulfan II	33213-65-9	24 [i]	102
Endosulfan Sulfate	1031-07-8	24 [i]	1,000 [c]
Endrin	72-20-8	11	0.06
Heptachlor	76-44-8	2.1	0.38
Lindane	58-89-9	1.3	0.1
Polychlorinated Biphenyls	1336-36-3	1	3.2

Notes:

SCO denotes Soil Cleanup Objectives.

NS denotes Not Specified.

[a] The SCOs for Restricted-Residential use were capped at a maximum of 100-mg/kg (ppm).

[d] The SCOs for metals were capped at a maximum of 10,000-mg/kg (ppm).

[e] For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL was used as the SCO.

[f] For constituents where the calculated SCO was lower than the rural soil background concentration, as determined by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for use of the site.

[h] The SCO for this specific compound (or family of compounds) is considered to be met if the analysis for the total species of this contaminant is below the specific SCO.

[i] The SCO is for the sum of Endosulfan I, Endosulfan II, and Endosulfan Sulfate.

[j] The SCO is the lower of the values for mercury (elemental) or mercury (inorganic salts).

Table 2a
690 Saint Paul Street
NYSDEC Brownfield Cleanup Program Interim Remedial Measure
NYSDEC BCP ID No. C828159

Summary of Confirmatory Soil Samples - IRM Excavation - Volatile Organic Compounds (VOCs)
Results in Milligrams per Kilogram (mg/Kg) or Parts Per Million (PPM)

Sample ID	Confirmatory Soil Samples										NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives: Protection of Public Health: Restricted Residential	NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives: Protection of Groundwater
	CS-1	CS-2	CS-3	CS-4	CS-5	CS-6	CS-7	CS-8	CS-9	CS-10			
Sample Collection Date	11/16/11	11/16/11	11/16/11	11/17/11	11/17/11	11/29/11	11/29/11	12/2/11	12/2/11	12/7/11			
Volatile Organic Compounds													
Chloromethane	<0.0054 U	<0.0054 U	<0.0058 U	<0.0052 U	<0.0054 U	<0.00396 U	<0.00437 U	<0.00405 U	<0.00427 U	<0.00414 U	NA	NA	NA
Vinyl chloride	<0.0054 U	<0.0054 U	**0.110**	<0.0052 U	<0.0054 U	<0.00396 U	0.0105	<0.00405 U	**0.0366**	0.00305 J	0.02	0.90	0.02
1,1-Dichloroethene	<0.0054 U	<0.0054 U	0.0015 J	<0.0052 U	<0.0054 U	<0.00396 U	<0.00437 U	<0.00405 U	0.00527	<0.00414 U	0.33	100	0.33
Acetone	<0.0054 U	<0.0054 U	<0.0058 U	<0.0052 U	<0.0054 U	0.039	0.0189 J	0.0287 B	0.0134 JB	<0.0207 U	0.05	100	0.05
Carbon disulfide	<0.0054 U	0.0037 J	<0.0058 U	<0.0052 U	<0.0054 U	0.00651	0.00584	0.0132	0.00268 J	0.00298 J	2.7**	100*	2.7**
Methylene chloride	<0.0054 U	<0.0054 U	<0.0058 U	<0.0052 U	<0.0054 U	<0.00989 U	<0.0109 U	<0.0101 U	<0.00427 U	<0.0103 U	0.05	100	0.05
trans-1,2-dichloroethene	<0.0054 U	<0.0054 U	0.0031 J	<0.0052 U	<0.0054 U	0.00205 J	0.00482	<0.00405 U	0.00317 J	0.00417	0.19	100	0.19
Methyl tert-butyl ether	<0.0054 U	<0.0054 U	<0.0058 U	<0.0052 U	<0.0054 U	NA	NA	NA	NA	NA	0.93	100	0.93
1,1-Dichloroethane	<0.0054 U	<0.0054 U	<0.0058 U	<0.0052 U	<0.0054 U	<0.00396 U	<0.00437 U	<0.00405 U	<0.00427 U	<0.00414 U	0.27	26	0.27
2-Butanone	<0.0054 U	<0.0054 U	<0.0058 U	<0.0052 U	<0.0054 U	<0.0198 U	<0.0219 U	<0.0203 U	<0.0214 U	<0.0207 U	0.3**	100*	0.3**
cis-1,2-dichloroethene	0.004 J	0.12	**3.3** D	0.068	0.007	0.0189	0.0732	<0.00405 U	**0.271**	0.173	0.25	100	0.25
Chloroform	<0.0054 U	<0.0054 U	<0.0058 U	<0.0052 U	<0.0054 U	<0.00396 U	<0.00437 U	<0.00405 U	<0.00427 U	<0.00414 U	0.37	49	0.37
Chloroethane	<0.0054 U	<0.0054 U	<0.0058 U	<0.0052 U	<0.0054 U	<0.00396 U	<0.00437 U	<0.00405 U	<0.00427 U	<0.00414 U	NA	NA	NA
1,2-Dichloroethane	<0.0054 U	<0.0054 U	<0.0058 U	<0.0052 U	<0.0054 U	<0.00396 U	<0.00437 U	<0.00405 U	<0.00427 U	<0.00414 U	0.02	3.1	0.02
Benzene	<0.0054 U	<0.0054 U	<0.0058 U	<0.0052 U	<0.0054 U	0.00106	0.00309 J	<0.00405 U	<0.00427 U	<0.00414 U	0.06	4.8	0.06
Trichloroethene	0.0029 J	0.46 D	**1.8** D	**2.1** D	0.005 J	0.00164	0.107	<0.00405 U	0.186	0.234	0.47	21	0.47
Toluene	0.0042 BJ	0.0026 J	0.002 J	0.004 BJ	0.0037 BJ	<0.00396 U	0.0135	<0.00405 U	<0.00427 U	<0.00414 U	0.7	100	0.7
1,1,2-Trichloroethane	<0.0054 U	<0.0054 U	<0.0058 U	<0.0052 U	<0.0054 U	<0.00396 U	<0.00437 U	<0.00405 U	<0.00427 U	<0.00414 U	NA	NA	NA
Tetrachloroethene	<0.0054 U	0.0029 J	0.0082	<0.0052 U	<0.0054 U	<0.00396 U	<0.00437 U	<0.00405 U	<0.00427 U	0.00235 J	1.3	19	1.3
Ethylbenzene	<0.0054 U	<0.0054 U	<0.0058 U	<0.0052 U	<0.0054 U	0.00434	0.075	<0.00405 U	0.00245 J	<0.00414 U	1	41	1
m,p-Xylene	<0.0054 U	<0.0054 U	<0.0058 U	<0.0052 U	<0.0054 U	0.00395 J	0.0175	<0.00405 U	<0.00427 U	<0.00414 U	0.26	100	1.6
o-Xylene	<0.0054 U	<0.0054 U	<0.0058 U	<0.0052 U	<0.0054 U	<0.00396 U	0.0105	<0.00405 U	<0.00427 U	<0.00414 U	0.26	100	1.6
Isopropylbenzene	<0.0054 U	<0.0054 U	<0.0058 U	<0.0052 U	<0.0054 U	NA	NA	NA	NA	NA	2.3**	100*	2.3**
n-Propylbenzene	<0.0054 U	<0.0054 U	<0.0058 U	<0.0052 U	<0.0054 U	NA	NA	NA	NA	NA	3.9	100	3.9
1,3,5-Trimethylbenzene	<0.0054 U	<0.0054 U	<0.0058 U	<0.0052 U	<0.0054 U	NA	NA	NA	NA	NA	8.4	52	8.4
1,2,4-Trimethylbenzene	<0.0054 U	<0.0054 U	<0.0058 U	<0.0052 U	<0.0054 U	NA	NA	NA	NA	NA	3.6	52	3.6
sec-Butylbenzene	<0.0054 U	<0.0054 U	<0.0058 U	<0.0052 U	<0.0054 U	NA	NA	NA	NA	NA	11	100	11
4-Isopropyltoluene	<0.0054 U	<0.0054 U	<0.0058 U	<0.0052 U	<0.0054 U	NA	NA	NA	NA	NA	10**	NA	10**
n-Butylbenzene	<0.0054 U	<0.0054 U	<0.0058 U	<0.0052 U	<0.0054 U	NA	NA	NA	NA	NA	12	NA	NA
1,2-Dichlorobenzene	<0.0054 U	<0.0054 U	<0.0058 U	<0.0052 U	<0.0054 U	<0.00396 U	<0.00437 U	<0.00405 U	<0.00427 U	<0.00414 U	1.1	100	1.1
Naphthalene	<0.0054 U	<0.0054 U	0.002 J	<0.0052 U	<0.0054 U	NA	NA	NA	NA	NA	12	100	12
Total VOCs	0.0111	0.5892	5.2268	2.172	0.0157	0.07745	0.23285	0.0419	0.52057	0.41955	*Not Available*	*Not Available*	*Not Available*
Total VOC TICs	0.421	0.0391	None Detected	None Detected	0.014	0.4296	None Detected	0.2938	None Detected	Not Analyzed			
Total VOCs & VOC TICs	0.4321	0.6283	5.2268	2.1720	0.0297	0.50705	0.23285	0.3357	0.52057	0.41955			

Notes:
VOC analysis by United States Environmental Protection Agency (USEPA) Method SW846 8260.
Bold type indicates that the constituent was detected above NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives: Protection of Groundwater
Grey shaded samples indicate this portion of the excavation was subsequently removed due to elevated constituent levels.
J – Indicates that the constituent was positively identified; but the associated numerical value is the approximate concentration of the constituent in the sample.
D - Indicates that the value was obtained from a secondary dilution anaylsis.
U - Indicates that the constituent was not detected.
B - Indicates analyte detected in the associated method blank.
NA = Not Applicable or Not Available
*Indicates no Part 375-6 SCO for this compound; SCO from NYSDEC Commissioner Policy 51 Supplemental SCOs for Protection of Groundwater

Table 2b
690 Saint Paul Street
NYSDEC Brownfield Cleanup Program Interim Remedial Measure
NYSDEC BCP ID No. C828159

Summary of Confirmatory Soil Samples - IRM Excavation - Semi Volatile Organic Compounds (SVOCs)
Results in Milligrams per Kilogram (mg/Kg) or Parts Per Million (PPM)

Sample ID	Confirmatory Soil Samples									NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives: Protection of Public Health: Restricted Residential	NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives: Protection of Groundwater
	CS-1	CS-2	CS-3	CS-4	CS-5	CS-6	CS-7	CS-8	CS-9			
Sample Collection Date	11/16/11	11/16/11	11/16/11	11/17/11	11/17/11	11/29/11	11/29/11	12/2/11	12/2/11			
Semi Volatile Organic Compounds												
Naphthalene	<0.37 U	<0.35 U	0.44	<0.36 U	<0.034 U	<0.312 U	<0.327 U	<0.307 U	<0.309 U	12	100	12
2-Methylnaphthalene	<0.37 U	<0.35 U	0.32 J	<0.36 U	<0.034 U	<0.312 U	<0.327 U	<0.307 U	<0.309 U	0.41*	0.41*	36.4**
Acenaphthylene	0.19 J	<0.35 U	0.39	<0.36 U	<0.034 U	<0.312 U	<0.327 U	<0.307 U	<0.309 U	100	100	107
Acenaphthene	<0.37 U	<0.35 U	1.1	<0.36 U	<0.034 U	<0.312 U	<0.327 U	<0.307 U	<0.309 U	20	100	98
Dibenzofuran	0.087 J	<0.35 U	0.88	<0.36 U	<0.034 U	<0.312 U	<0.327 U	<0.307 U	<0.309 U	6.2*	NA	6.2*
Fluorene	0.12 J	<0.35 U	1.5	<0.36 U	<0.034 U	<0.312 U	<0.327 U	<0.307 U	<0.309 U	30	100	386
Pentachlorophenol	<0.76 U	<0.71 U	<0.77 U	<0.74 U	0.28 J	<0.779 U	<0.818 U	<0.768 U	<0.772 U	0.8	6.7	0.8
Phenanthrene	0.74	<0.35 U	11.0 D	<0.36 U	0.077 J	0.183 J	<0.327 U	<0.307 U	<0.309 U	100	100	1,000
Anthracene	0.21 J	<0.35 U	3.1	<0.36 U	<0.034 U	<0.312 U	<0.327 U	<0.307 U	<0.309 U	100	100	1,000
Carbazole	0.37 U	<0.35 U	1.2	<0.36 U	<0.034 U	NA	<0.327 U	<0.307 U	<0.309 U	NA	NA	NA
Di-n-butylphthalate	0.12 J	0.087 J	0.14 J	<0.36 U	<0.034 U	<0.312 U	<0.327 U	<0.307 U	<0.309 U	8.1**	100*	8.1**
Fluoranthene	1.7	<0.35 U	15.0 D	<0.36 U	0.13 J	0.246 J	<0.327 U	<0.307 U	<0.309 U	100	100	1,000
Pyrene	1.5	<0.35 U	13.0 D	<0.36 U	0.13 J	0.223 J	<0.327 U	<0.307 U	<0.309 U	100	100	1,000
Butylbenzylphthalate	0.081 J	<0.35 U	<0.38 U	<0.36 U	<0.034 U	<0.312 U	<0.327 U	<0.307 U	<0.309 U	100	100*	122**
Benzo(a)anthracene	**1**	<0.35 U	**7.6** D	<0.36 U	0.076 J	<0.312 U	<0.327 U	<0.307 U	<0.309 U	1	1	1
Chrysene	**1**	<0.35 U	**6.1**	<0.36 U	0.082 J	<0.312 U	<0.327 U	<0.307 U	<0.309 U	1	4	1
Bis(2-ethylhexyl)phthalate	0.99	0.12 J	0.45	<0.36 U	0.071 J	0.761	<0.327 U	<0.307 U	<0.309 U	50*	50*	435**
Benzo(b)fluoranthene	**1.3**	<0.35 U	**5.7**	<0.36 U	0.079 J	<0.312 U	<0.327 U	<0.307 U	<0.309 U	1	1	2
Benzo(k)fluoranthene	0.66	<0.35 U	**4.7**	<0.36 U	<0.034 U	<0.312 U	<0.327 U	<0.307 U	<0.309 U	0.8	3.9	2
Benzo(a)pyrene	1	<0.35 U	**5.6**	<0.36 U	<0.034 U	<0.312 U	<0.327 U	<0.307 U	<0.309 U	1	1	22
Indeno(1,2,3-cd)pyrene	**0.59**	<0.35 U	3.1	<0.36 U	<0.034 U	<0.312 U	<0.327 U	<0.307 U	<0.309 U	0.5	0.5	8.2
Dibenzo(a,h)anthracene	0.27 J	<0.35 U	**1.8**	<0.36 U	<0.034 U	<0.312 U	<0.327 U	<0.307 U	<0.309 U	0.33	0.33	1,000
Benzo(g,h,i)perylene	0.71	<0.35 U	3.5	<0.36 U	<0.034 U	<0.312 U	<0.327 U	<0.307 U	<0.309 U	100	100	1,000
Total SVOCs	12.268	0.207	86.62	0	0.925	1.413	0	0	0	*Not Available*	*Not Available*	*Not Available*
Total SVOC TICs	12.18	4.95	16.15	1.41	1.73	5.998	0.453	1.099	0.13			
Total SVOCs & SVOC TICs	24.448	5.157	102.77	1.41	2.655	7.411	0.453	1.099	0.13			

Notes:
SVOC analysis by United States Environmental Protection Agency (USEPA) Method SW846 8270.
Bold type indicates that the constituent was detected at a concentration above the NYCRR Part 375-6.8(b) Standard: Protection of Groundwater
Grey shaded samples indicate this portion of the excavation was subsequently removed due to elevated constituent levels.
J – Indicates that the constituent was positively identified; but the associated numerical value is the approximate concentration of the constituent in the sample.
D - Indicates that the value was obtained from a secondary dilution anaylsis.
U - Indicates that the constituent was not detected.
NA = Not Applicable or Not Available
*Indicates no Part 375-6 SCO for this compound; SCO from NYSDEC Commissioner Policy 51 Supplemental SCOs for Residential Facilities
**Indicates no Part 375-6 SCO for this compound; SCO from NYSDEC Commissioner Policy 51 Supplemental SCOs for Protection of Groundwater
Sample CS-10 not analyzed for SVOCs

Table 2c
690 Saint Paul Street
NYSDEC Brownfield Cleanup Program Interim Remedial Measure
NYSDEC BCP ID No. C828159

Summary of Confirmatory Soil Samples - IRM Excavation - Pesticides
Results in Milligrams per Kilogram (mg/Kg) or Parts Per Million (PPM)

Sample ID	Confirmatory Soil Samples									NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objective	NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives: Protection of Public Health: Restricted Residential	NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives: Protection of Groundwater
	CS-1	CS-2	CS-3	CS-4	CS-5	CS-6	CS-7	CS-8	CS-9			
Sample Collection Date	11/16/11	11/16/11	11/16/11	11/17/11	11/17/11	11/29/11	11/29/11	12/2/11	12/2/11			
Pesticides												
alpha-BHC	<0.0019 U	<0.0018 U	<0.0019 U	<0.0019 U	<0.0018 U	<0.00312 U	<0.00326 U	<0.00308 U	<0.00308 U	0.02	0.48	0
beta-BHC	<0.0019 U	<0.0018 U	<0.0019 U	<0.0019 U	<0.0018 U	<0.00312 U	<0.00326 U	<0.00308 U	<0.00308 U	0.036	0.36	0.09
delta-BHC	<0.0019 U	<0.0018 U	<0.0019 U	<0.0019 U	<0.0018 U	<0.00312 U	<0.00326 U	<0.00308 U	<0.00308 U	0.04	100	0.25
gamma-BHC (Lindane)	<0.0019 U	<0.0018 U	0.004	<0.0019 U	<0.0018 U	<0.00312 U	<0.00326 U	<0.00308 U	<0.00308 U	NA	NA	NA
Heptachlor	<0.0019 U	<0.0018 U	<0.0019 U	<0.0019 U	<0.0018 U	<0.00312 U	<0.00326 U	<0.00308 U	<0.00308 U	0.042	2.1	0.38
Aldrin	<0.0019 U	<0.0018 U	<0.0019 U	<0.0019 U	<0.0018 U	<0.00312 U	<0.00326 U	<0.00308 U	<0.00308 U	0.005	0.097	0.19
Heptachlor Epoxide	0.0035	<0.0018 U	0.0027 P	<0.0019 U	<0.0018 U	<0.00312 U	<0.00326 U	<0.00308 U	<0.00308 U	0.077*	0.077*	0.02**
Endosulfan I	<0.0019 U	<0.0018 U	<0.0019 U	<0.0019 U	<0.0018 U	<0.00312 U	<0.00326 U	<0.00308 U	<0.00308 U	2.4	24	102
Dieldrin	<0.0038 U	<0.0036 U	<0.0038 U	<0.0036 U	<0.0035 U	<0.00312 U	<0.00326 U	<0.00308 U	<0.00308 U	0.005	0.2	0.1
4,4'-DDE	<0.0038 U	<0.0036 U	<0.0038 U	<0.0036 U	<0.0035 U	<0.00312 U	<0.00326 U	<0.00308 U	<0.00308 U	0.0033	8.9	17
Endrin	<0.0038 U	<0.0036 U	<0.0038 U	<0.0036 U	<0.0035 U	<0.00312 U	<0.00326 U	<0.00308 U	<0.00308 U	0.014	11	0.06
Endosulfan II	<0.0038 U	<0.0036 U	<0.0038 U	<0.0036 U	<0.0035 U	<0.00312 U	<0.00326 U	<0.00308 U	<0.00308 U	2.4	24	102
4,4'-DDD	<0.0038 U	<0.0036 U	<0.0038 U	<0.0036 U	<0.0035 U	<0.00312 U	<0.00326 U	<0.00308 U	<0.00308 U	0.0033	13	14
Endosulfan Sulfate	<0.0038 U	<0.0036 U	0.0043	<0.0036 U	<0.0035 U	<0.00312 U	<0.00326 U	<0.00308 U	<0.00308 U	2.4	24	1,000
4,4'-DDT	**0.012**	<0.0036 U	<0.0038 U	<0.0036 U	**0.0045**	0.00258 J	0.00214 J	0.00198 J	0.00198 U	0.0033	7.9	136
Methoxychlor	<0.019 U	<0.018 U	<0.019 U	<0.019 U	<0.018 U	<0.00312 U	<0.00326 U	<0.00308 U	<0.00308 U	100*	100*	900**
Endrin Ketone	<0.0038 U	<0.0036 U	0.0086	<0.0036 U	<0.0035 U	<0.00312 U	<0.00326 U	<0.00308 U	<0.00308 U	NA	NA	NA
Endrin Aldehyde	<0.0038 U	<0.0036 U	0.0084	<0.0036 U	<0.0035 U	<0.00312 U	<0.00326 U	<0.00308 U	<0.00308 U	NA	NA	NA
alpha-Chlordane	<0.0019 U	<0.0018 U	<0.0019 U	<0.0019 U	<0.0018 U	<0.00312 U	<0.00326 U	<0.00308 U	<0.00308 U	0.094	4.2	2.9
gamma-Chlordane	<0.0019 U	<0.0018 U	<0.0019 U	<0.0019 U	<0.0018 U	<0.00312 U	<0.00326 U	<0.00308 U	<0.00308 U	0.54*	0.54*	14**
Toxaphene	<0.19 U	<0.18 U	<0.19 U	<0.19 U	<0.18 U	0.0156 U	<0.0163 U	<0.0154 U	<0.0154 U	NA	NA	NA

Notes:

Pesticide analysis by United States Environmental Protection Agency (USEPA) Method SW846 8081

Grey shaded samples indicate this portion of the excavation was subsequently removed due to elevated constituent levels.

Bold type indicates that the constituent was detected at a concentration above the NYCRR Part 375-6.8(a) Standard: Unrestricted Use

J – Indicates that the constituent was positively identified; but the associated numerical value is the approximate concentration of the constituent in the sample.

U - Indicates that the constituent was not detected.

NA = Not Applicable or Not Available

*Indicates no Part 375-6 SCO for this compound; SCO from NYSDEC Commissioner Policy 51 Supplemental SCOs for Residential Facilities

**Indicates no Part 375-6 SCO for this compound; SCO from NYSDEC Commissioner Policy 51 Supplemental SCOs for Protection of Groundwater

Sample CS-10 not analyzed for pesticides.

Table 2d
690 Saint Paul Street
NYSDEC Brownfield Cleanup Program Interim Remedial Measure
NYSDEC BCP ID No. C828159

Summary of Confirmatory Soil Samples - IRM Excavation - Polychlorinated Biphenyls (PCBs)
Results in Milligrams per Kilogram (mg/Kg) or Parts Per Million (PPM)

Sample ID	Confirmatory Soil Samples									NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives: Protection of Public Health: Restricted Residential	NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives: Protection of Groundwater
	CS-1	CS-2	CS-3	CS-4	CS-5	CS-6	CS-7	CS-8	CS-9			
Sample Collection Date	11/16/11	11/16/11	11/16/11	11/17/11	11/17/11	11/29/11	11/29/11	12/2/11	12/2/11			
Polychlorinated Biphenyls												
Aroclor 1016	<0.038 U	<0.036 U	<0.038 U	<0.036 U	<0.035 U	<0.0312 U	<0.0326 U	<0.0308 U	<0.0308 U	NA	NA	NA
Aroclor 1221	<0.038 U	<0.036 U	<0.038 U	<0.036 U	<0.035 U	<0.0312 U	<0.0326 U	<0.0308 U	<0.0308 U	NA	NA	NA
Aroclor 1232	<0.038 U	<0.036 U	<0.038 U	<0.036 U	<0.035 U	<0.0312 U	<0.0326 U	<0.0308 U	<0.0308 U	NA	NA	NA
Aroclor 1242	<0.038 U	<0.036 U	<0.038 U	<0.036 U	<0.035 U	<0.0312 U	<0.0326 U	<0.0308 U	<0.0308 U	NA	NA	NA
Aroclor 1248	<0.038 U	<0.036 U	<0.038 U	<0.036 U	<0.035 U	<0.0312 U	<0.0326 U	<0.0308 U	<0.0308 U	NA	NA	NA
Aroclor 1254	<0.038 U	<0.036 U	<0.038 U	<0.036 U	<0.035 U	<0.0312 U	<0.0326 U	<0.0308 U	<0.0308 U	NA	NA	NA
Aroclor 1260	0.082 P	<0.036 U	0.042 P	<0.036 U	<0.035 U	<0.0312 U	<0.0326 U	<0.0308 U	<0.0308 U	NA	NA	NA
TOTAL	0.082	<0.036 U	0.042	<0.036 U	<0.035 U	<0.0312 U	<0.0326 U	<0.0308 U	<0.0308 U	0.1	1	3.2

Notes:

PCB analysis by United States Environmental Protection Agency (USEPA) Method SW846 8082.

Grey shaded samples indicate this portion of the excavation was subsequently removed due to elevated constituent levels.

U - Indicates that the constituent was not detected.

P - Indicates there was a difference greater than 25% for detected concentrations between the two GC columns.

NA = Not Applicable or Not Available

Sample CS-10 not analyzed for PCBs.

Table 3
690 Saint Paul Street
NYSDEC Brownfield Cleanup Program Interim Remedial Measure
NYSDEC BCP ID No. C828159

Summary of Confirmatory Soil Samples - IRM Excavation - Volatile Organic Compounds (VOCs)
Results in Milligrams per Kilogram (Mg/Kg) or Parts Per Million (PPM)

Sample ID	BW-09 (7' bgs)		BW-10 (7.5' bgs)		NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives: Protection of Public Health: Restricted Residential	NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives: Protection of Groundwater
Sample Collection Date	1/17/12		1/17/12				
Volatile Organic Compounds							
Chloromethane	<0.00423	U	<0.00406	U	NA	NA	NA
Vinyl chloride	<0.00423	U	<0.00406	U	0.02	0.90	0.02
1,1-Dichloroethene	<0.00423	U	<0.00406	U	0.33	100	0.33
Acetone	0.021	J	0.00172	J	0.05	100	0.05
Carbon disulfide	0.00414	J	0.00226	J	2.7**	100*	2.7**
Methylene chloride	<0.00106	U	<0.00102	U	0.05	100	0.05
trans-1,2-dichloroethene	<0.00423	U	<0.00406	U	0.19	100	0.19
1,1-Dichloroethane	<0.00423	U	<0.00406	U	0.27	26	0.27
2-Butanone	<0.0212	U	<0.0203	U	0.3**	100*	0.3**
cis-1,2-dichloroethene	<0.00423	U	<0.00406	U	0.25	100	0.25
Chloroform	<0.00423	U	<0.00406	U	0.37	49	0.37
Chloroethane	<0.00423	U	<0.00406	U	NA	NA	NA
1,2-Dichloroethane	<0.00423	U	<0.00406	U	0.02	3.1	0.02
Benzene	<0.00423	U	<0.00406	U	0.06	4.8	0.06
Trichloroethene	0.00357	J	0.00396	J	0.47	21	0.47
Toluene	<0.00423	U	0.00304	J	0.7	100	0.7
1,1,2-Trichloroethane	<0.00423	U	<0.00406	U	NA	NA	NA
Tetrachloroethene	<0.00423	U	<0.00406	U	1.3	19	1.3
Ethylbenzene	<0.00423	U	0.0324		1	41	1
m,p-Xylene	<0.00423	U	0.101		0.26	100	1.6
o-Xylene	<0.00423	U	<0.00406	U	0.26	100	1.6
1,2-Dichlorobenzene	<0.00423	U	<0.00406	U	1.1	100	1.1
Total VOCs	0.02871		0.14438		*Not Available*	*Not Available*	*Not Available*

Notes:

VOC analysis by United States Environmental Protection Agency (USEPA) Method SW846 8260.

J – Indicates that the constituent was positively identified; but the associated numerical value is the approximate concentration of the constituent in the sample.

U - Indicates that the constituent was not detected.

NA = Not Applicable or Not Available

*Indicates no Part 375-6 SCO for this compound; SCO from NYSDEC Commissioner Policy 51 Supplemental SCOs for Residential Facilities.

**Indicates no Part 375-6 SCO for this compound; SCO from NYSDEC Commissioner Policy 51 Supplemental SCOs for Protection of Groundwater.

Table 4
690 Saint Paul Street
NYSDEC Brownfield Cleanup Program Interim Remedial Measure
NYSDEC BCP ID No. C828159

Summary of Absorbent Sock Samples - Volatile Organic Compounds (VOCs)
Results in Milligrams per Kilogram (Mg/Kg) or Parts Per Million (PPM)

Sample ID	Sock BW-05		Sock BW-10	
Sample Collection Date	2/13/12		2/17/12	
Volatile Organic Compounds				
Chloromethane	<0.073	U	<0.107	U
Vinyl chloride	<0.073	U	<0.107	U
1,1-Dichloroethene	<0.073	U	<0.107	U
Acetone	1.380		3.570	B
Carbon disulfide	<0.073	U	<0.107	U
Methylene chloride	<182	U	<0.268	U
trans-1,2-dichloroethene	<0.073	U	<0.107	U
1,1-Dichloroethane	<0.073	U	<0.107	U
2-Butanone	<0.365	U	<0.536	U
cis-1,2-dichloroethene	2.600		<0.107	U
Chloroform	<0.073	U	<0.107	U
Chloroethane	<0.073	U	<0.107	U
1,2-Dichloroethane	<0.073	U	<0.107	U
Benzene	<0.073	U	<0.107	U
Trichloroethene	3.010		0.223	
Toluene	<0.073	U	<0.107	U
1,1,2-Trichloroethane	<0.073	U	<0.107	U
Tetrachloroethene	<0.073	U	<0.107	U
Ethylbenzene	0.141		<0.107	U
m,p-Xylene	0.298		<0.107	U
o-Xylene	0.146		<0.107	U
n-Butylbenzene	0.103		0.258	
sec-Butylbenzene	<0.073	U	0.234	
tert-Butylbenzene	<0.073	U	<0.107	U
n-Propylbenzene	<0.073	U	0.362	
Isopropylbenzene	0.0819		0.176	
p-Isopropyltoluene	<0.073	U	<0.107	U
Naphthalene	<0.268	U	<0.268	U
1,2,4-Trimethylbenzene	0.0863		0.324	
1,3,5-Trimethylbenzene	<0.073	U	<0.107	U
Methyl tert-butyl Ether	<0.073	U	<0.107	U
1,2-Dichlorobenzene	<0.073	U	<0.107	U
Total VOCs	7.8462		5.14700	
Total Petroleum Hydrocarbons (Lube Oil)	3,930		7,030	

Notes:

VOC analysis by United States Environmental Protection Agency (USEPA) Method SW846 8260.

Absorbant socks were analyzed following removal and homogenization of the contaminated portion of each sock.

B – Indicates that the laboratory's method blank detected trace levels of this analyte.

U - Indicates that the analyte was not detected.

NA = Not Applicable or Not Available

Table 5a
690 Saint Paul Street
NYSDEC Brownfield Cleanup Program Interim Remedial Measure
NYSDEC BCP ID No. C828159

Summary of Waste Characterization Samples - Clean Soil Pile - Volatile Organic Compounds (VOCs)
Results in Milligrams per Kilogram (mg/Kg) or Parts Per Million (PPM)

Sample ID	Waste Characterization Samples				NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives: Protection of Public Health: Restricted Residential	NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives: Protection of Groundwater
	Class 1 Pile - Dry	Class 1 Pile - Wet	Class 1 Pile - Dry - 2	Class 1 Soil Pile #2 (grab)			
Sample Collection Date	11/16/11	11/16/11	11/16/11	12/5/11			
Volatile Organic Compounds							
Chloromethane	<0.0053 U	<0.0049 U	<0.0045 U	<0.00382 U	NA	NA	NA
Vinyl chloride	<0.0053 U	0.0013 J	<0.0045 U	<0.00382 U	0.02	0.90	0.02
1,1-Dichloroethene	<0.0053 U	<0.0049 U	<0.0045 U	<0.00382 U	0.33	100	0.33
Acetone	<0.0053 U	<0.0049 U	<0.0045 U	<0.0191 U	0.05	100	0.05
Carbon disulfide	<0.0053 U	<0.0049 U	<0.0045 U	<0.00382 U	2.7**	100*	2.7**
Methylene chloride	0.0016 J	<0.0049 U	0.006 U	<0.00954 U	0.05	100	0.05
trans-1,2-dichloroethene	<0.0053 U	<0.0049 U	<0.0045 U	<0.00382 U	0.19	100	0.19
Methyl tert-butyl ether	<0.0053 U	<0.0049 U	<0.0045 U	<0.00382 U	0.93	100	0.93
1,1-Dichloroethane	<0.0053 U	<0.0049 U	<0.0045 U	<0.00382 U	0.27	26	0.27
2-Butanone	<0.0053 U	<0.0049 U	<0.0045 U	<0.0191 U	0.3**	100*	0.3**
cis-1,2-dichloroethene	0.0033 J	0.015	<0.0045 U	<0.00382 U	0.25	100	0.25
Chloroform	<0.0053 U	<0.0049 U	<0.0045 U	<0.00382 U	0.37	49	0.37
Chloroethane	<0.0053 U	<0.0049 U	<0.0045 U	<0.00382 U	NA	NA	NA
1,2-Dichloroethane	<0.0053 U	<0.0049 U	<0.0045 U	<0.00382 U	0.02	3.1	0.02
Benzene	<0.0053 U	<0.0049 U	<0.0045 U	<0.00382 U	0.06	4.8	0.06
Trichloroethene	0.0057 U	0.012	0.0013 J	0.0165	0.47	21	0.47
Toluene	0.0037 BJ	0.0030 BJ	0.0030 BJ	<0.00382 U	0.7	100	0.7
1,1,2-Trichloroethane	<0.0053 U	<0.0049 U	<0.0045 U	<0.00382 U	NA	NA	NA
Tetrachloroethene	<0.0053 U	<0.0049 U	<0.0045 U	<0.00382 U	1.3	19	1.3
Ethylbenzene	<0.0053 U	<0.0049 U	<0.0045 U	<0.00382 U	1	41	1
m,p-Xylene	<0.0053 U	<0.0049 U	<0.0045 U	<0.00382 U	0.26	100	1.6
o-Xylene	<0.0053 U	0.0011 J	<0.0045 U	<0.00382 U	0.26	100	1.6
Isopropylbenzene	<0.0053 U	<0.0049 U	<0.0045 U	<0.00382 U	2.3**	100*	2.3**
n-Propylbenzene	<0.0053 U	<0.0049 U	<0.0045 U	NA	3.9	100	3.9
1,3,5-Trimethylbenzene	<0.0053 U	<0.0049 U	<0.0045 U	NA	8.4	52	8.4
1,2,4-Trimethylbenzene	<0.0053 U	<0.0049 U	<0.0045 U	NA	3.6	52	3.6
sec-Butylbenzene	<0.0053 U	<0.0049 U	<0.0045 U	NA	11	100	11
4-Isopropyltoluene	<0.0053 U	<0.0049 U	<0.0045 U	NA	10**	NA	10**
n-Butylbenzene	<0.0053 U	<0.0049 U	<0.0045 U	NA	12	NA	NA
1,2-Dichlorobenzene	<0.0053 U	<0.0049 U	<0.0045 U	<0.00382 U	1.1	100	1.1
Naphthalene	<0.0053 U	<0.0049 U	<0.0045 U	NA	12	100	12
Total VOCs	0.0143	0.0324	0.0103	0.0165	*Not Available*	*Not Available*	*Not Available*
Total VOC TICs	0.0012	None Detected	None Detected	Not Analyzed			
Total VOCs & VOC TICs	0.0155	0.0324	0.0103	0.0165			

Notes:
VOC analysis by United States Environmental Protection Agency (USEPA) Method SW846 8260.
J – Indicates that the constituent was positively identified; but the associated numerical value is the approximate concentration of the constituent in the sample.
U - Indicates that the constituent was not detected.
B - Indicates analyte detected in the associated method blank.
NA = Not Applicable or Not Available
*Indicates no Part 375-6 SCO for this compound; SCO from NYSDEC Commissioner Policy 51 Supplemental SCOs for Protection of Groundwater

Table 5b
690 Saint Paul Street
NYSDEC Brownfield Cleanup Program Interim Remedial Measure
NYSDEC BCP ID No. C828159

Summary of Waste Characterization Samples - Clean Soil Pile - Semi Volatile Organic Compounds (SVOCs)
Results in Milligrams per Kilogram (mg/Kg) or Parts Per Million (PPM)

Sample ID	Waste Characterization Samples						NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives: Protection of Public Health: Restricted Residential	NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives: Protection of Groundwater
	Class 1 Pile - Dry		Class 1 Pile - Wet		Class 1 Soil Pile #2 (composite)				
Sample Collection Date	11/16/11		11/16/11		12/5/11				
Semi Volatile Organic Compounds									
Naphthalene	<0.350	U	<0.380	U	<0.309	U	12	100	12
2-Methylnaphthalene	<0.350	U	<0.380	U	<0.309	U	0.41*	0.41*	36.4**
Acenaphthylene	<0.350	U	0.110	J	<0.309	U	100	100	107
Acenaphthene	<0.350	U	0.080	J	<0.309	U	20	100	98
Dibenzofuran	<0.350	U	<0.380	U	<0.309	U	6.2*	NA	NA
Fluorene	<0.350	U	0.110	J	<0.309	U	30	100	386
Pentachlorophenol	<0.720	U	<0.770	U	<0.773	U	0.8	6.7	0.8
Phenanthrene	0.460		0.560		<0.309	U	100	100	1,000
Anthracene	0.140	J	0.200	J	<0.309	U	100	100	1,000
Carbazole	<0.350	U	<0.380	U	NA		NA	NA	NA
Di-n-butylphthalate	0.100	J	0.120	J	<0.309	U	8.1**	100*	8.1**
Fluoranthene	1.500		1.200		0.286	J	100	100	1,000
Pyrene	1.200		0.940		0.286	J	100	100	1,000
Butylbenzylphthalate	<0.350	U	<0.380	U	<0.309	U	100	100*	122**
Benzo(a)anthracene	0.760		0.630		0.179	J	1	1	1
Chrysene	0.740		0.620		0.176	J	1	4	1
Bis(2-ethylhexyl)phthalate	0.140	J	0.370	J	<0.309	U	50*	50*	435**
Benzo(b)fluoranthene	0.940		0.740		0.157	J	1	1	2
Benzo(k)fluoranthene	<0.350	U	0.420		<0.309	U	0.8	3.9	2
Benzo(a)pyrene	0.650		0.570		0.167	J	1	1	22
Indeno(1,2,3-cd)pyrene	0.360		0.330	J	0.205	J	0.5	0.5	8.2
Dibenzo(a,h)anthracene	0.130	J	0.120	J	<0.309	U	0.33	0.33	1,000
Benzo(g,h,i)perylene	0.410		0.390		<0.309	U	100	100	1,000
Total SVOCs	7.530		7.510		1.456		*Not Available*	*Not Available*	*Not Available*
Total SVOC TICs	3.10		6.02		0.451				
Total SVOCs & SVOC TICs	10.630		13.530		1.91				

Notes:
SVOC analysis by United States Environmental Protection Agency (USEPA) Method SW846 8270.
J – Indicates that the constituent was positively identified; but the associated numerical value is the approximate concentration of the constituent in the sample.
U - Indicates that the constituent was not detected.
NA = Not Applicable or Not Available
*Indicates no Part 375-6 SCO for this compound; SCO from NYSDEC Commissioner Policy 51 Supplemental SCOs for Residential Facilities
**Indicates no Part 375-6 SCO for this compound; SCO from NYSDEC Commissioner Policy 51 Supplemental SCOs for Protection of Groundwater

Table 5c
690 Saint Paul Street
NYSDEC Brownfield Cleanup Program Interim Remedial Measure
NYSDEC BCP ID No. C828159

Summary of Waste Characterization Samples - Clean Soil Pile - Pesticides
Results in Milligrams per Kilogram (mg/Kg) or Parts Per Million (PPM)

Sample ID	Waste Characterization Samples						NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives: Protection of Public Health: Restricted Residential	NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives: Protection of Groundwater
	Class 1 Pile - Dry		Class 1 Pile - Wet		Class 1 Soil Pile #2 (composite)				
Sample Collection Date	11/16/11		11/16/11		12/5/11				
Pesticides									
alpha-BHC	<0.0019	U	<0.0020	U	<0.00311	U	0.02	0.48	0.02
beta-BHC	<0.0019	U	<0.0020	U	<0.00311	U	0.036	0.36	0.09
delta-BHC	<0.0019	U	<0.0020	U	<0.00311	U	0.04	100	0.25
gamma-BHC (Lindane)	<0.0019	U	<0.0020	U	<0.00311	U	NA	NA	NA
Heptachlor	<0.0019	U	<0.0020	U	<0.00311	U	0.042	2.1	0.38
Aldrin	<0.0019	U	<0.0020	U	<0.00311	U	0.005	0.097	0.19
Heptachlor Epoxide	<0.0019	U	<0.0020	U	<0.00311	U	0.077*	.077*	0.02**
Endosulfan I	<0.0019	U	<0.0020	U	<0.00311	U	2.4	24	102
Dieldrin	<0.0036	U	<0.0038	U	<0.00311	U	0.005	0.2	0.1
4,4'-DDE	<0.0036	U	<0.0038	U	<0.00311	U	0.0033	8.9	17
Endrin	<0.0036	U	<0.0038	U	<0.00311	U	0.014	11	0.06
Endosulfan II	<0.0036	U	<0.0038	U	<0.00311	U	2.4	24	102
4,4'-DDD	<0.0036	U	<0.0038	U	<0.00311	U	0.0033	13	14
Endosulfan Sulfate	<0.0036	U	<0.0038	U	<0.00311	U	2.4	24	1,000
4,4'-DDT	<0.0036	U	**0.0039**		**0.00454**		0.0033	7.9	136
Methoxychlor	<0.019	U	<0.0020	U	<0.00311	U	100*	100	900
Endrin Ketone	<0.0036	U	<0.0038	U	<0.00311	U	NA	NA	NA
Endrin Aldehyde	<0.0036	U	<0.0038	U	<0.00311	U	NA	NA	NA
alpha-Chlordane	<0.0019	U	<0.0020	U	<0.00311	U	0.094	4.2	2.9
gamma-Chlordane	<0.0019	U	<0.0020	U	<0.00311	U	0.54*	0.54*	14**
Toxaphene	<0.190	U	<0.200	U	<0.0156	U	NA	NA	NA

Notes:

Pesticide analysis by United States Environmental Protection Agency (USEPA) Method SW846 8081

Bold type indicates that the constituent was detected above NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives

U - Indicates that the constituent was not detected.

*Indicates no Part 375-6 SCO for this compound; SCO from NYSDEC Commissioner Policy 51 Supplemental SCOs for Residential Facilities

**Indicates no Part 375-6 SCO for this compound; SCO from NYSDEC Commissioner Policy 51 Supplemental SCOs for Protection of Groundwater

Table 5d
690 Saint Paul Street
NYSDEC Brownfield Cleanup Program Interim Remedial Measure
NYSDEC BCP ID No. C828159

Summary of Waste Characterization Samples - Clean Soil Pile - Polychlorinated Biphenyls (PCBs)
Results in Milligrams per Kilogram (mg/Kg) or Parts Per Million (PPM)

Sample ID	Waste Characterization Samples			NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives: Protection of Public Health: Restricted Residential	NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives: Protection of Groundwater
	Class 1 Pile - Dry	Class 1 Pile - Wet	Class 1 Soil Pile #2 (composite)			
Sample Collection Date	11/16/11	11/16/11	12/5/11			
Polychlorinated Biphenyls						
Aroclor 1016	<0.036 U	<0.038 U	<0.0311 U	NA	NA	NA
Aroclor 1221	<0.036 U	<0.038 U	<0.0311 U	NA	NA	NA
Aroclor 1232	<0.036 U	<0.038 U	<0.0311 U	NA	NA	NA
Aroclor 1242	<0.036 U	<0.038 U	<0.0311 U	NA	NA	NA
Aroclor 1248	<0.036 U	<0.038 U	<0.0311 U	NA	NA	NA
Aroclor 1254	<0.036 U	<0.038 U	<0.0311 U	NA	NA	NA
Aroclor 1260	<0.036 U	<0.038 U	<0.0311 U	NA	NA	NA
TOTAL	<0.036 U	<0.038 U	<0.0311 U	0.1	1	3.2

Notes:

PCB analysis by United States Environmental Protection Agency (USEPA) Method SW846 8082.

U - Indicates that the constituent was not detected.

Table 5e
690 Saint Paul Street
NYSDEC Brownfield Cleanup Program Interim Remedial Measure
NYSDEC BCP ID No. C828159

Summary of Waste Characterization Samples - Clean Soil Pile - Target Analyte Metals
Results in Milligrams per Kilogram (mg/Kg) or Parts Per Million (PPM)

Sample ID	Waste Characterization Samples			NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives: Protection of Public Health: Restricted Residential	NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives: Protection of Groundwater
	Class 1 Pile - Dry	Class 1 Pile - Wet	Class 1 Soil Pile #2 (composite)			
Sample Collection Date	**11/16/11**	**11/16/11**	**12/5/11**			
Target Analyte List (TAL) Metals						
Aluminum	4,120	3,920	5,630	10,000**	10,000**	10,000**
Antimony	0.53 B	0.59 B	6.33 U	12**	12**	12**
Arsenic	3.0	4.4	2.04	13	16	16
Barium	42.4	58.1	44.7	350	400	400
Beryllium	0.23 B	0.27	0.348 J	7.2	72	590
Cadmium	0.28	0.38	0.526 U	2.5	4.3	9.3
Calcium	**75,400**	**112,000**	**81,110**	10,000**	10,000**	10,000**
Chromium*	6.9	8.9	8.53	30	180	1,500
Cobalt	3.2	3.4	3.98 J	20**	20**	20**
Copper	20.5	26.6	26.4	50	270	270
Iron	**9,270**	**10,400**	**10,600**	2,000*	2,000*	2,000*
Lead	22.1	39.5	24.4	63	400	1,000
Magnesium	32,000	38,500	30,800	Not Listed	Not Listed	Not Listed
Manganese	377	335	309	1,600	2,000	10,000
Mercury	0.023 B	0.043	0.0264	0.18	0.81	2.8
Nickel	8.0	8.8	9.12	30	310	310
Potassium	858	1,170	1,380	Not Listed	Not Listed	Not Listed
Selenium	0.65 U	0.70 U	1.05 U	3.9	180	1,500
Silver	0.065	0.070 U	1.05 U	2	180	1,500
Sodium	128	192	280 B	Not Listed	Not Listed	Not Listed
Thallium	0.52 B	0.24 U	2.64 U	Not Listed	Not Listed	Not Listed
Vanadium	10.1	9.4	13.0	39**	39**	39**
Zinc	67.9	77.2	73.2	109	10,000	10,000

TAL Metal analysis by United States Environmental Protection Agency (USEPA) Method SW846 6010/7470/7471

Bold type indicates that the constituent was detected above NYSDEC CP-51 SSCO

J – Indicates that the constituent was positively identified; but the associated numerical value is the approximate concentration of the constituent in the sample.

B - Indicates analyte detected in the associated method blank.

U - Indicates that the constituent was not detected.

*Indicates no Part 375-6 SCO for this compound; SCO from NYSDEC Commissioner Policy 51 Supplemental SCOs for Residential Facilities

**Indicates no Part 375-6 SCO for this compound; SCO from NYSDEC Commissioner Policy 51 Supplemental SCOs for Protection of Ecological Resources

Table 6a
690 Saint Paul Street
NYSDEC Brownfield Cleanup Program Interim Remedial Measure
NYSDEC BCP ID No. C828159

Summary of Detected Volatile Organic Compounds in Bedrock Well Groundwater Samples
Results in Micrograms per Liter (µg/L)

Sample ID	Groundwater Samples																NYSDEC Part 703 Groundwater Standards
	BW-05 PDB 8.7'-10.7'		BW-05 PDB DUP 8.7'-10.7'		BW-05 PDB 15'-17'		BW-09		BW-09 DUP		BW-11		BW-11DL		BW-12		
Sample Collection Date	2/22/12 - 3/8/12		2/22/12 - 3/8/12		2/22/12 - 3/8/12		2/22/12		2/22/12		2/22/12		2/22/12		2/22/2012		
Volatile Organic Compounds																	
Chloromethane	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	50	U	5.0	U	5
Vinyl chloride	640	DJ	630	DJ	390	DJ	5.0	U	5.0	U	74		67	D	49		2
1,1-Dichloroethene	13		15		15		5.0	U	5.0	U	3.8	J	50	U	5.0	U	5
Acetone	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	50	U	4.2	J	50
Carbon disulfide	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	50	U	5.0	U	NA
Methylene chloride	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	50	U	5.0	U	5
trans-1,2-dichloroethene	46		29		41		5.0	U	5.0	U	2.9	J	50	U	1.9	J	5
Methyl tert-butyl ether	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	50	U	5.0	U	10
1,1-Dichloroethane	1.6	J	1.9	J	1.8	J	5.0	U	5.0	U	5.0	U	50	U	5.0	U	5
2-Butanone	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	50	U	5.0	U	50
cis-1,2-dichloroethene	2,000	DJ	2,000	DJ	1,800	DJ	2.7	J	1.8	J	470	E	460	D	31		5
Chloroform	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	1.5	J	50	U	5.0	U	7
Chloroethane	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	50	U	5.0	U	5
1,2-Dichloroethane	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	50	U	5.0	U	0.6
Benzene	1.4	J	1.5	J	1.5	J	1.3	J	1.3	J	5.0	U	50	U	0.64	J	1
Trichloroethene	370	DJ	350	DJ	260	DJ	5.0	U	3.8	J	440	E	430	D	7.4		5
Toluene	1.3	J	1.6	J	1.5	J	5.0	U	5.0	U	5.0	U	50	U	1.0	J	5
1,1,2-Trichloroethane	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	50	U	5.0	U	1
Tetrachloroethene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	50	U	5.0	U	5
Ethylbenzene	2.5	J	2.8	J	3.0	J	5.0	U	5.0	U	5.0	U	50	U	1.3	J	5
m,p-Xylene	5.2		4.9	J	4.8	J	5.0	U	5.0	U	5.0	U	50	U	1.7	J	5
o-Xylene	3.2	J	3.1	J	3.1	J	5.0	U	5.0	U	5.0	U	50	U	1.1	J	5
Isopropylbenzene	1.4	J	1.5	J	1.4	J	5.0	U	5.0	U	5.0	U	50	U	5.0	U	5
n-Propylbenzene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	50	U	5.0	U	5
1,3,5-Trimethylbenzene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	50	U	5.0	U	5
1,2,4-Trimethylbenzene	5.0	U	5.0	U	5.0	U	1.1	J	1.2	J	5.0	U	50	U	5.0	U	5
sec-Butylbenzene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	50	U	5.0	U	5
4-Isopropyltoluene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	50	U	5.0	U	5
n-Butylbenzene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	50	U	5.0	U	5
1,2-Dichlorobenzene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	50	U	5.0	U	3
Naphthalene	5.0	UJ	5.0	UJ	5.0	UJ	5.0	U	5.0	U	5.0	U	50	U	5.0	U	10

Notes:

VOC analysis by United States Environmental Protection Agency (USEPA) Method SW846 8260B.

J – Indicates that the constituent was positively identified; but the associated numerical value is the approximate concentration of the constituent in the sample.

D - Indicates that the value was obtained from a secondary dilution anaylsis.

U - Indicates that the constituent was not detected.

E - Indicates the compound concentration exceeded the calibration range.

NA = Not Applicable or Not Available

Highlighted type indicates that the constituent was detected at a concentration above the NYSDEC Part 703 Groundwater Standards.

Indicates sample is a DUPLICATE of the sample preceeding this sample.

Table 6b
690 Saint Paul Street
NYSDEC Brownfield Cleanup Program Interim Remedial Measure
NYSDEC BCP ID No. C828159

Summary of Detected Semi-Volatile Organic Compounds in Bedrock Well Groundwater Samples
Results in Micrograms per Liter (µg/L)

Sample ID (Depth)	Groundwater Samples						NYSDEC Part 703 Groundwater Standards
	BW-09		BW-11		BW-12		
Sample Collection Date	2/22/2012		2/22/2012		2/22/2012		
Semi-Volatile Organic Compounds							
Naphthalene	10	UJ	10	UJ	10	UJ	10
2-Methylnaphthalene	10	UJ	10	UJ	10	UJ	N/A
Acenaphthylene	10	UJ	10	UJ	10	UJ	N/A
Acenaphthene	10	UJ	10	UJ	10	UJ	20
Dibenzofuran	10	UJ	10	UJ	10	UJ	N/A
Fluorene	10	UJ	10	UJ	10	UJ	50
Phenanthrene	10	UJ	10	UJ	10	UJ	50
Anthracene	10	UJ	10	UJ	10	UJ	50
Carbazole	10	UJ	10	UJ	10	UJ	N/A
Fluoranthene	10	UJ	10	UJ	10	UJ	50
Pyrene	10	UJ	10	UJ	10	UJ	50
Benzo(a)anthracene	10	UJ	10	UJ	10	UJ	0.002
Chrysene	10	UJ	10	UJ	10	UJ	0.002
Bis(2-ethylhexyl)phthalate	10	UJ	10	UJ	10	UJ	5
Benzo(b)fluoranthene	10	UJ	10	UJ	10	UJ	0.002
Benzo(k)fluoranthene	10	UJ	10	UJ	10	UJ	0.002
Benzo(a)pyrene	10	UJ	10	UJ	10	UJ	ND
Indeno(1,2,3-cd)pyrene	10	UJ	10	UJ	10	UJ	0.002
Dibenzo(a,h)anthracene	10	UJ	10	UJ	10	UJ	N/A
Benzo(g,h,i)perylene	10	UJ	10	UJ	10	UJ	N/A
Total SVOCs	None Detected		None Detected		None Detected		*Not Available*
Total SVOC TICs	None Detected		None Detected		None Detected		
Total SVOCs & SVOC TICs	None Detected		None Detected		None Detected		

Notes:

SVOC analysis by United States Environmental Protection Agency (USEPA) Method SW846 8270.

U – Indicates that the constituent not detected.

J – Indicates that the constituent was positively identified; but the associated numerical value is the approximate concentration of the constituent in the sample.

Table 7a
690 Saint Paul Street
NYSDEC Brownfield Cleanup Program Interim Remedial Measure
NYSDEC BCP ID No. C828159

Summary of Waste Characterization Samples - Imported Backfill - Volatile Organic Compounds (VOCs)
Results in Milligrams per Kilogram (mg/Kg) or Parts Per Million (PPM)

Sample ID	Characterization Samples		NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives: Protection of Public Health: Restricted Residential	NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives: Protection of Groundwater
	Backfill Sample - 1	Backfill Sample - 2			
Sample Collection Date	11/11/11	11/11/11			
Volatile Organic Compounds					
Chloromethane	<0.0059 U	<0.0053 U	NA	NA	NA
Vinyl chloride	<0.0059 U	<0.0053 U	0.02	0.90	0.02
1,1-Dichloroethene	<0.0059 U	<0.0053 U	0.33	100	0.33
Acetone	<0.0059 U	<0.0053 U	0.05	100	0.05
Carbon disulfide	<0.0059 U	<0.0053 U	2.7**	100*	2.7**
Methylene chloride	<0.0031 U	0.0024 J	0.05	100	0.05
trans-1,2-dichloroethene	<0.0059 U	<0.0053 U	0.19	100	0.19
Methyl tert-butyl ether	<0.0059 U	<0.0053 U	0.93	100	0.93
1,1-Dichloroethane	<0.0059 U	<0.0053 U	0.27	26	0.27
2-Butanone	<0.0059 U	<0.0053 U	0.3**	100*	0.3**
cis-1,2-dichloroethene	<0.0059 U	<0.0053 U	0.25	100	0.25
Chloroform	<0.0059 U	<0.0053 U	0.37	49	0.37
Chloroethane	<0.0059 U	<0.0053 U	NA	NA	NA
1,2-Dichloroethane	<0.0059 U	<0.0053 U	0.02	3.1	0.02
Benzene	<0.0059 U	<0.0053 U	0.06	4.8	0.06
Trichloroethene	<0.0059 U	<0.0053 U	0.47	21	0.47
Toluene	0.0024 BJ	<0.0053 U	0.7	100	0.7
1,1,2-Trichloroethane	<0.0059 U	<0.0053 U	NA	NA	NA
Tetrachloroethene	0.0013 J	<0.0053 U	1.3	19	1.3
Ethylbenzene	<0.0059 U	<0.0053 U	1	41	1
m,p-Xylene	<0.0059 U	<0.0053 U	0.26	100	1.6
o-Xylene	<0.0059 U	<0.0053 U	0.26	100	1.6
Isopropylbenzene	<0.0059 U	<0.0053 U	2.3**	100*	2.3**
n-Propylbenzene	<0.0059 U	<0.0053 U	3.9	100	3.9
1,3,5-Trimethylbenzene	<0.0059 U	<0.0053 U	8.4	52	8.4
1,2,4-Trimethylbenzene	<0.0059 U	<0.0053 U	3.6	52	3.6
sec-Butylbenzene	<0.0059 U	<0.0053 U	11	100	11
4-Isopropyltoluene	<0.0059 U	<0.0053 U	10**	NA	10**
n-Butylbenzene	<0.0059 U	<0.0053 U	12	NA	NA
1,2-Dichlorobenzene	<0.0059 U	<0.0053 U	1.1	100	1.1
Naphthalene	<0.0059 U	<0.0053 U	12	100	12

Notes:
VOC analysis by United States Environmental Protection Agency (USEPA) Method SW846 8260.
Cleanup criteria were obtained from DER-10 Appendix 5 - Allowable Constituents Levels for Imported Fill or Soil, which references the Part-375 and CP-51 Supplemental values.
J – Indicates that the constituent was positively identified; but the associated numerical value is the approximate concentration of the constituent in the sample.
U - Indicates that the constituent was not detected.
B - Indicates analyte detected in the associated method blank.
NA = Not Applicable or Not Available
*Indicates no Part 375-6 SCO for this compound; SCO from NYSDEC Commissioner Policy 51 Supplemental SCOs for Protection of Groundwater

Table 7b
690 Saint Paul Street
NYSDEC Brownfield Cleanup Program Interim Remedial Measure
NYSDEC BCP ID No. C828159

Summary of Waste Characterization Samples - Imported Backfill - Semi Volatile Organic Compounds (SVOCs)
Results in Milligrams per Kilogram (mg/Kg) or Parts Per Million (PPM)

Sample ID	Characterization Samples		NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives: Protection of Public Health: Restricted Residential	NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives: Protection of Groundwater
	Backfill Sample - 1	Backfill Sample - 2			
Sample Collection Date	11/11/11	11/11/11			
Semi Volatile Organic Compounds					
Naphthalene	<0.380 U	NA	12	100	12
2-Methylnaphthalene	<0.380 U	NA	0.41*	0.41*	36.4**
Acenaphthylene	<0.380 U	NA	100	100	107
Acenaphthene	<0.380 U	NA	20	100	98
Dibenzofuran	<0.380 U	NA	6.2*	NA	NA
Fluorene	<0.380 U	NA	30	100	386
Pentachlorophenol	<0.770 U	NA	0.8	6.7	0.8
Phenanthrene	<0.380 U	NA	100	100	1,000
Anthracene	<0.380 U	NA	100	100	1,000
Carbazole	<0.380 U	NA	NA	NA	NA
Di-n-butylphthalate	<0.380 U	NA	8.1**	100*	8.1**
Fluoranthene	<0.380 U	NA	100	100	1,000
Pyrene	<0.380 U	NA	100	100	1,000
Butylbenzylphthalate	<0.380 U	NA	100	100*	122**
Benzo(a)anthracene	<0.380 U	NA	1	1	1
Chrysene	<0.380 U	NA	1	4	1
Bis(2-ethylhexyl)phthalate	0.170 J	NA	50*	50*	435**
Benzo(b)fluoranthene	<0.380 U	NA	1	1	2
Benzo(k)fluoranthene	<0.380 U	NA	0.8	3.9	2
Benzo(a)pyrene	<0.380 U	NA	1	1	22
Indeno(1,2,3-cd)pyrene	<0.380 U	NA	0.5	0.5	8.2
Dibenzo(a,h)anthracene	<0.380 U	NA	0.33	0.33	1,000
Benzo(g,h,i)perylene	<0.380 U	NA	100	100	1,000

Notes:

SVOC analysis by United States Environmental Protection Agency (USEPA) Method SW846 8270.

Cleanup criteria were obtained from DER-10 Appendix 5 - Allowable Constituents Levels for Imported Fill or Soil, which references the Part-375 and CP-51 Supplemental values.

J – Indicates that the constituent was positively identified; but the associated numerical value is the approximate concentration of the constituent in the sample.

U - Indicates that the constituent was not detected.

NA = Not Applicable or Not Available

*Indicates no Part 375-6 SCO for this compound; SCO from NYSDEC Commissioner Policy 51 Supplemental SCOs for Residential Facilities

**Indicates no Part 375-6 SCO for this compound; SCO from NYSDEC Commissioner Policy 51 Supplemental SCOs for Protection of Groundwater

Table 7c
690 Saint Paul Street
NYSDEC Brownfield Cleanup Program Interim Remedial Measure
NYSDEC BCP ID No. C828159

Summary of Waste Characterization Samples - Imported Backfill - Pesticides
Results in Milligrams per Kilogram (mg/Kg) or Parts Per Million (PPM)

Sample ID	Characterization Samples		NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives: Protection of Public Health: Restricted Residential	NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives: Protection of Groundwater
	Backfill Sample - 1	Backfill Sample - 2			
Sample Collection Date	11/11/11	11/11/11			
Pesticides					
alpha-BHC	<0.002 U	NA	0.02	0.48	0.02
beta-BHC	<0.002 U	NA	0.036	0.36	0.09
delta-BHC	<0.002 U	NA	0.04	100	0.25
gamma-BHC (Lindane)	<0.002 U	NA	NA	NA	NA
Heptachlor	<0.002 U	NA	0.042	2.1	0.38
Aldrin	<0.002 U	NA	0.005	0.097	0.19
Heptachlor Epoxide	<0.002 U	NA	0.077*	.077*	0.02**
Endosulfan I	<0.002 U	NA	2.4	24	102
Dieldrin	<0.0039 U	NA	0.005	0.2	0.1
4,4'-DDE	<0.0039 U	NA	0.0033	8.9	17
Endrin	<0.0039 U	NA	0.014	11	0.06
Endosulfan II	<0.0039 U	NA	2.4	24	102
4,4'-DDD	<0.0039 U	NA	0.0033	13	14
Endosulfan Sulfate	<0.0039 U	NA	2.4	24	1,000
4,4'-DDT	<0.0039 U	NA	0.0033	7.9	136
Methoxychlor	<0.020 U	NA	100*	100	900
Endrin Ketone	<0.0039 U	NA	NA	NA	NA
Endrin Aldehyde	<0.0039 U	NA	NA	NA	NA
alpha-Chlordane	<0.0039 U	NA	0.094	4.2	2.9
gamma-Chlordane	<0.0039 U	NA	0.54*	0.54*	14**
Toxaphene	<0.200 U	NA	NA	NA	NA

Notes:

Pesticide analysis by United States Environmental Protection Agency (USEPA) Method SW846 8081

Cleanup criteria were obtained from DER-10 Appendix 5 - Allowable Constituents Levels for Imported Fill or Soil, which references the Part-375 and CP-51 Supplemental values.

Bold type indicates that the constituent was detected above NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives

U - Indicates that the constituent was not detected.

*Indicates no Part 375-6 SCO for this compound; SCO from NYSDEC Commissioner Policy 51 Supplemental SCOs for Residential Facilities

**Indicates no Part 375-6 SCO for this compound; SCO from NYSDEC Commissioner Policy 51 Supplemental SCOs for Protection of Groundwater

Table 7d
690 Saint Paul Street
NYSDEC Brownfield Cleanup Program Interim Remedial Measure
NYSDEC BCP ID No. C828159

Summary of Waste Characterization Samples - Imported Backfill - Polychlorinated Biphenyls (PCBs)
Results in Milligrams per Kilogram (mg/Kg) or Parts Per Million (PPM)

Sample ID	Characterization Samples		NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives: Protection of Public Health: Restricted Residential	NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives: Protection of Groundwater
	Backfill Sample - 1	Backfill Sample - 2			
Sample Collection Date	11/11/11	11/11/11			
Polychlorinated Biphenyls					
Aroclor 1016	<0.0039 U	NA	NA	NA	NA
Aroclor 1221	<0.0039 U	NA	NA	NA	NA
Aroclor 1232	<0.0039 U	NA	NA	NA	NA
Aroclor 1242	<0.0039 U	NA	NA	NA	NA
Aroclor 1248	<0.0039 U	NA	NA	NA	NA
Aroclor 1254	<0.0039 U	NA	NA	NA	NA
Aroclor 1260	<0.0039 U	NA	NA	NA	NA
Total	<0.0039 U	NA	0.1	1	3.2

Notes:

PCB analysis by United States Environmental Protection Agency (USEPA) Method SW846 8082.

Cleanup criteria were obtained from DER-10 Appendix 5 - Allowable Constituents Levels for Imported Fill or Soil, which references the Part-375 and CP-51 Supplemental values.

U - Indicates that the constituent was not detected.

Table 7e
690 Saint Paul Street
NYSDEC Brownfield Cleanup Program Interim Remedial Measure
NYSDEC BCP ID No. C828159

Summary of Waste Characterization Samples - Imported Backfill - Target Analyte Metals
Results in Milligrams per Kilogram (mg/Kg) or Parts Per Million (PPM)

Sample ID	Characterization Samples		NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives: Protection of Public Health: Restricted Residential	NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives: Protection of Groundwater
	Backfill - Sample 1	Backfill - Sample 2			
Sample Collection Date	**11/11/11**	**11/11/11**			
Target Analyte List (TAL) Metals					
Aluminum	2,910	NA	10,000**	10,000**	10,000**
Antimony	0.45 B	NA	12**	12**	12**
Arsenic	1.9	NA	13	16	16
Barium	15.4	NA	350	400	400
Beryllium	0.15 B	NA	7.2	72	590
Cadmium	0.18 B	NA	2.5	4.3	9.3
Calcium	**54,100**	NA	10,000**	10,000**	10,000**
Chromium*	3.9	NA	30	180	1,500
Cobalt	2.4 B	NA	20**	20**	20**
Copper	13.1	NA	50	270	270
Iron	**6,570**	NA	2,000*	2,000*	2,000*
Lead	5.5	NA	63	400	1,000
Magnesium	22,800	NA	Not Listed	Not Listed	Not Listed
Manganese	296	NA	1,600	2,000	10,000
Mercury	0.0084 B	NA	0.18	0.81	2.8
Nickel	5.8	NA	30	310	310
Potassium	591	NA	Not Listed	Not Listed	Not Listed
Selenium	<0.66 U	NA	3.9	180	1,500
Silver	0.070 B	NA	2	180	1,500
Sodium	76.7	NA	Not Listed	Not Listed	Not Listed
Thallium	<0.23 U	NA	Not Listed	Not Listed	Not Listed
Vanadium	6.2	NA	39**	39**	39**
Zinc	43.3	NA	109	10,000	10,000

TAL Metal analysis by United States Environmental Protection Agency (USEPA) Method SW846 6010/7470/7471

Cleanup criteria were obtained from DER-10 Appendix 5 - Allowable Constituents Levels for Imported Fill or Soil, which references the Part-375 and CP-51 Supplemental values.

Bold type indicates that the constituent was detected above NYSDEC CP-51 SSCO

B - Indicates analyte detected in the associated method blank.

U - Indicates that the constituent was not detected.

*Indicates no Part 375-6 SCO for this compound; SCO from NYSDEC Commissioner Policy 51 Supplemental SCOs for Residential Facilities

**Indicates no Part 375-6 SCO for this compound; SCO from NYSDEC Commissioner Policy 51 Supplemental SCOs for Protection of Ecological Resources

Table 8
690 Saint Paul Street
NYSDEC Brownfield Cleanup Program Interim Remedial Measure
NYSDEC BCP ID No. C828159

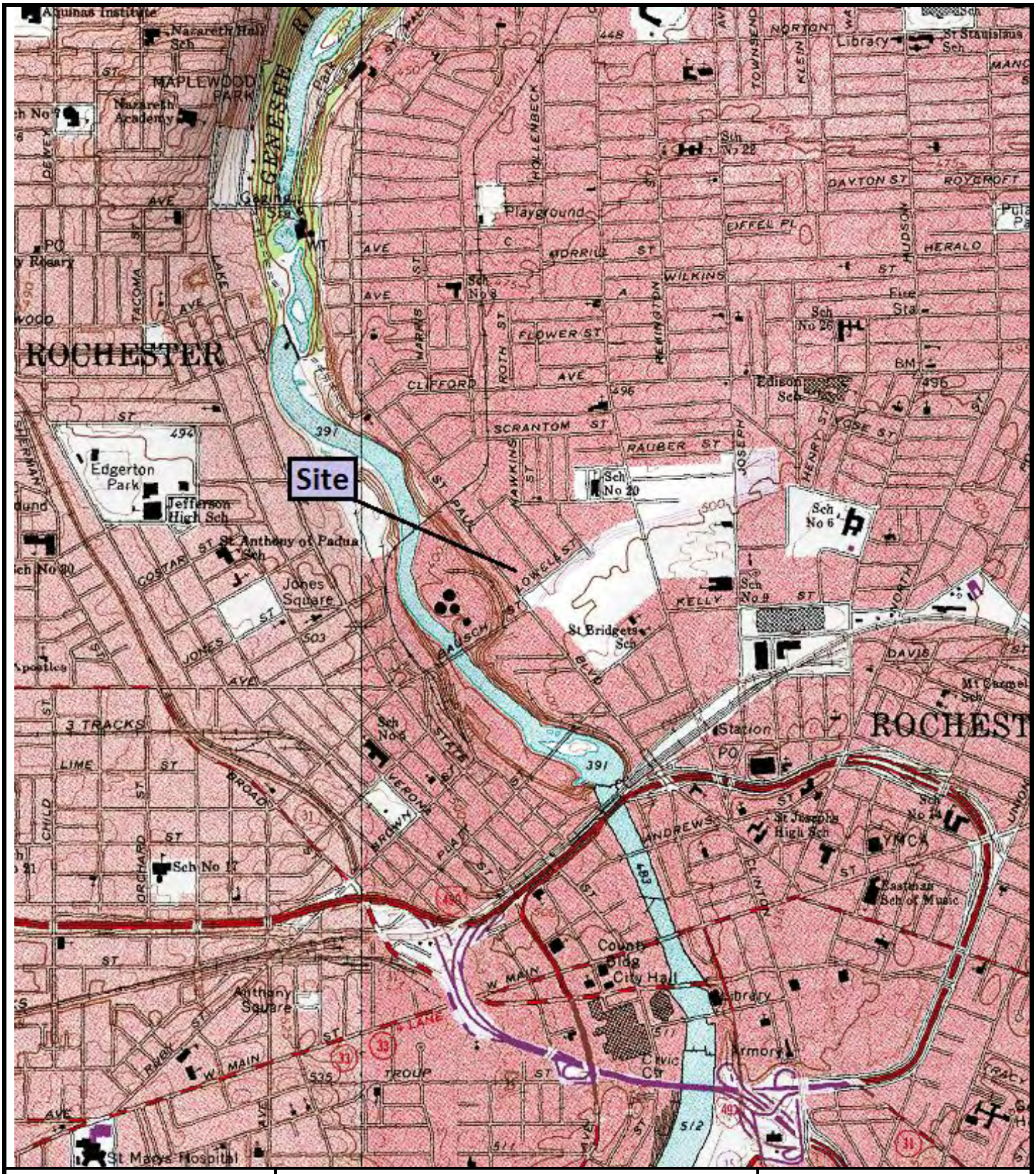
Summary of Point Locations

Location Identity	Northing	Easting	Elevation (feet above MSL, NAVD88)	(Elevation (feet above MSL, City of Rochester Datum)
IRM Excavation Confirmatory Samples:				
CS-1	1156048.324030	1405996.039859	482.99	484.55
CS-2	1156024.773106	1405965.157922	482.99	484.55
CS-3	1156040.041792	1405960.565713	482.99	484.55
CS-4	1156044.448794	1405986.137605	482.99	484.55
CS-5	1156026.018537	1405985.951732	482.99	484.55
CS-6	1156052.879316	1405946.902674	482.99	484.55
CS-7	1156041.948937	1405945.966589	482.99	484.55
CS-8	1156062.426446	1405967.212260	482.99	484.55
CS-9	1156049.039974	1405988.785009	482.99	484.55
CS-10	1156050.511479	1405990.487169	482.99	484.55
Groundwater Monitoring Wells:*				
BW-09	1156059.42	1405938.64	491.57	493.13
BW-10	1156079.09	1405963.33	491.38	492.94
BW-11	1156005.21	1405976.46	488.14	489.70
BW-12	1156064.20	1405995.74	488.94	490.50
REC-B-East	1156132.93	1405961.29	491.10	492.66
REC-B-West	1156128.95	1405933.51	491.37	492.93

*All groundwater monitoring well elevations were measured from the top of the well casing.
Northing and Easting data are measured in feet in New York State Plan West, NAD83

LaBella Associates, P.C.
300 State Street
Rochester, New York 14614

Figures



N

SCALE: 1:12,000

FIGURE 1
SITE LOCATION MAP

IRM: AOC #1 – Construction Completion Report
690 Saint Paul Street
Rochester, New York

LABELLA

PROJECT NO. 209280

DETECTED VOLATILE ORGANIC COMPOUNDS IN SOIL SAMPLES- INSET AREA

BROWNFIELD CLEANUP PROGRAM

690 SAINT PAUL STREET
ROCHESTER, NEW YORK

VOLUNTEER:
GENESEE VALLEY REAL ESTATE COMPANY

LABELLA Associates, P.C.
300 STATE STREET
ROCHESTER, NY 14614
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SB-75
Analyte	6.5-7
Acetone	0.0037 J

SB-A4A
Analyte	4-7
Trichloroethene	0.006 J

SS-9
Analyte	0-2"	2-24"
Methylene chloride		0.0012
Naphthalene	0.0026	

SB-10
Analyte	4-5.8
Trichloroethene	0.0075
cis-1,2-Dichloroethene	0.0024 J
Acetone	0.0048 J

SB-82
NO DETECTIONS 0.2'-4'

SB-A
Analyte	4-5.9
1,2,4-Trimethylbenzene	0.0077
1,3,5-Trimethylbenzene	0.0036 J
Isopropylbenzene	0.0035 J
n-Butylbenzene	0.0023 J
n-Propylbenzene	0.003 J
1,2-Dichlorobenzene	0.0022 J
Acetone	0.0071

TP-E
NO DETECTIONS 5.5'

SB-78
Analyte	7.2-8
Ethylbenzene	0.035
m,p-Xylene	0.5
o-Xylene	0.019 J
Xylene (Total)	0.52
1,2,4-Trimethylbenzene	0.26
1,3,5-Trimethylbenzene	0.1
4-Isopropyltoluene	0.024 J
Isopropylbenzene	0.078
n-Butylbenzene	0.033
n-Propylbenzene	0.088
sec-Butylbenzene	0.017 J
1,2-Dichlorobenzene	0.027
Acetone	0.017 J
Naphthalene	0.015 J

SB-21
Analyte	0-4
Trichloroethene	0.0026 J

SB-87
Analyte	4-5.7
Trichloroethene	0.003 J
cis-1,2-Dichloroethene	0.016
Ethylbenzene	0.0019 J
Xylene (Total)	0.0013 J

SB-103
Analyte	7.1-7.4
cis-1,2-Dichloroethene	0.0025 J
Vinylchloride	0.0099
Acetone	0.017
Carbon disulfide	0.0027 J
Methyl ethyl ketone	0.0062

SB-77
Analyte	0-4
Trichloroethene	0.0031 J

TP-F
Analyte	
Trichloroethene	0.01
cis-1,2-Dichloroethene	0.0019 J

SS-6
Analyte	0-2"
Methylene chloride	0.0022

SB-A1
Analyte	0-9
Acetone	0.0085 J

BW-5
Analyte	2-4
Tetrachloroethene	0.05
Trichloroethene	47 D
cis-1,2-Dichloroethene	32 D
trans-1,2-Dichloroethene	0.028
Vinylchloride	0.24 E
1,1-Dichloroethene	0.013
Benzene	0.00083 J
Toluene	0.014
Ethylbenzene	0.014
m,p-Xylene	0.028
o-Xylene	0.024
Xylene (Total)	0.052
1,2,4-Trimethylbenzene	0.002 J
1,3,5-Trimethylbenzene	0.0047 J
Isopropylbenzene	0.0024 J
Carbon disulfide	0.0074
Naphthalene	0.0032 J

SB-85
Analyte	4-8.2
Tetrachloroethene	0.018
Trichloroethene	0.62 D
cis-1,2-Dichloroethene	0.082
Toluene	0.0013 J
Ethylbenzene	0.0021 J
m,p-Xylene	0.0018 J
o-Xylene	0.0029 J
Xylene (Total)	0.0047 J
Acetone	0.0072 J
Naphthalene	0.0015 J

SB-53
Analyte	0.8-4
Trichloroethene	0.0044 J
Toluene	0.0045 J
Ethylbenzene	0.013
m,p-Xylene	0.1
o-Xylene	0.081
Xylene (Total)	0.18
1,2,4-Trimethylbenzene	0.065
1,3,5-Trimethylbenzene	0.05
4-Isopropyltoluene	0.0076
n-Butylbenzene	0.012
n-Propylbenzene	0.0038 J
sec-Butylbenzene	0.0042 J
4-Methyl-2-pentanone	0.0057 J
Acetone	0.42 D
Carbon disulfide	0.0012 J
Methyl ethyl ketone	0.0094
Naphthalene	0.003 J

SB-50
Analyte	0.6-3.5
Trichloroethene	0.013

SB-18
Analyte	4-4.6
Tetrachloroethene	0.0017 J
Trichloroethene	3.2 J
cis-1,2-Dichloroethene	0.051 J
Naphthalene	0.46 J

SB-88
Analyte	4-5
Trichloroethene	0.036
cis-1,2-Dichloroethene	0.018

SB-A6
Analyte	0-3.2
Naphthalene	0.0014

SB-17
Analyte	0-4
Trichloroethene	0.067 J
cis-1,2-Dichloroethene	0.0035 J

SB-86
Analyte	4-7
Trichloroethene	0.0081
cis-1,2-Dichloroethene	0.0031 J
Acetone	0.0059

SB-A5
Analyte	0-3.5
Trichloroethene	0.0019 J

SB-14
Analyte	4-6.5
Trichloroethene	0.01 J
cis-1,2-Dichloroethene	0.015 J

SB-16
Analyte	0-3
Trichloroethene	0.017 J
cis-1,2-Dichloroethene	0.0031 J
Methylene chloride	0.0022 J

SB-15
Analyte	4-6.5
Tetrachloroethene	0.065
Trichloroethene	0.028
cis-1,2-Dichloroethene	0.0065
Vinylchloride	0.0014 J
Toluene	0.0023 J
Ethylbenzene	0.024
m,p-Xylene	0.073
o-Xylene	0.022
Xylene (Total)	0.095
1,2,4-Trimethylbenzene	0.0099
1,3,5-Trimethylbenzene	0.0043 J
4-Isopropyltoluene	0.013
Isopropylbenzene	0.0048 J
n-Butylbenzene	0.0047 J
Carbon disulfide	0.0069
Naphthalene	ND <0.0061

SB-83
Analyte	8-9.8
Trichloroethene	0.0015 J
1,1-Dichloroethene	0.0014 J
Benzene	0.0071
Toluene	0.0039 J
Ethylbenzene	0.014
m,p-Xylene	0.038
o-Xylene	0.0077
Xylene (Total)	0.046
1,2,4-Trimethylbenzene	0.0043 J
1,3,5-Trimethylbenzene	0.0032 J
Isopropylbenzene	0.0037 J
Acetone	0.0042 J
Carbon disulfide	0.0031 J

SB-84
Analyte	9-10.5
Ethylbenzene	0.048
m,p-Xylene	0.0061 J
o-Xylene	0.0019 J
Xylene (Total)	0.008
1,2,4-Trimethylbenzene	0.02
1,3,5-Trimethylbenzene	0.0042 J
4-Isopropyltoluene	0.0041 J
Isopropylbenzene	0.018
n-Propylbenzene	0.0075
Acetone	0.069 J
Methyl ethyl ketone	0.012
Naphthalene	0.0066

SB-76
Analyte	7.7-8
Xylene (Total)	0.0016 J
Acetone	0.011

SB-A8
Analyte	4-8
Trichloroethene	0.0083
Methylene chloride	0.00071 J

TP-D
NO DETECTIONS 1.5'

CONCRETE

BUILD

FLO

L

LEGEND

- COMPLETED BCP SOIL BORING
- COMPLETED BCP OVERBURDEN WELLS
- COMPLETED BCP BEDROCK WELLS
- COMPLETED BCP TEST PITS
- COMPLETED BCP SOIL GAS SAMPLE
- COMPLETED BCP SOIL VAPOR SAMPLE
- COMPLETED BCP SURFACE SOIL SAMPLE
- COMPLETED PRE-BCP OVERBURDEN WELL
- COMPLETED PRE-BCP SOIL BORING
- COMPLETED PRE-BCP BEDROCK WELLS
- COMPLETED PRE-BCP PHASE II TEST PIT
- FLOOR DRAIN
- WATER FILLED PIPE IN FLOOR
- TUNNEL
- UNEXCAVATED_AREA
- BCP BOUNDARY
- CONCRETE FILLED FLOOR TRENCH (POSSIBLE FORMER PIPE CHASE)
- OPEN FLOOR TRENCH (POSSIBLE PIPE CHASE)
- GRASS COVERED MEDIAN
- STAIRWAY

0 10 Feet
1 inch = 10 feet

209280

FIGURE 2

Note:
(1) SITE PLAN DEVELOPED FROM BERO ASSOCIATES ARCHITECTS SITE PLAN FOR 690 SAINT PAUL STREET, ROCHESTER CHARTER SCHOOL SCIENCE AND TECHNOLOGY, DATED APRIL 11, 2000.
(2) All values in mg/kg
(3) Red bold values exceed NYS Part 376-6.8a for Unrestricted Use.
(4) Soil samples were collected from Soil Borings at the depth shown. All depths are in feet unless otherwise noted.
(5) Soil samples were collected from Surface Soil locations at depths of 0"-2" and 2"-24". If only one of these two depths is shown, the analyte was not detected at the other.

Path: Y:\Genesee Valley Real Estate Co\209280\Drawings\ESPASE - ppm\MAP.2012.05.25.SoilVOAsinset.mxd

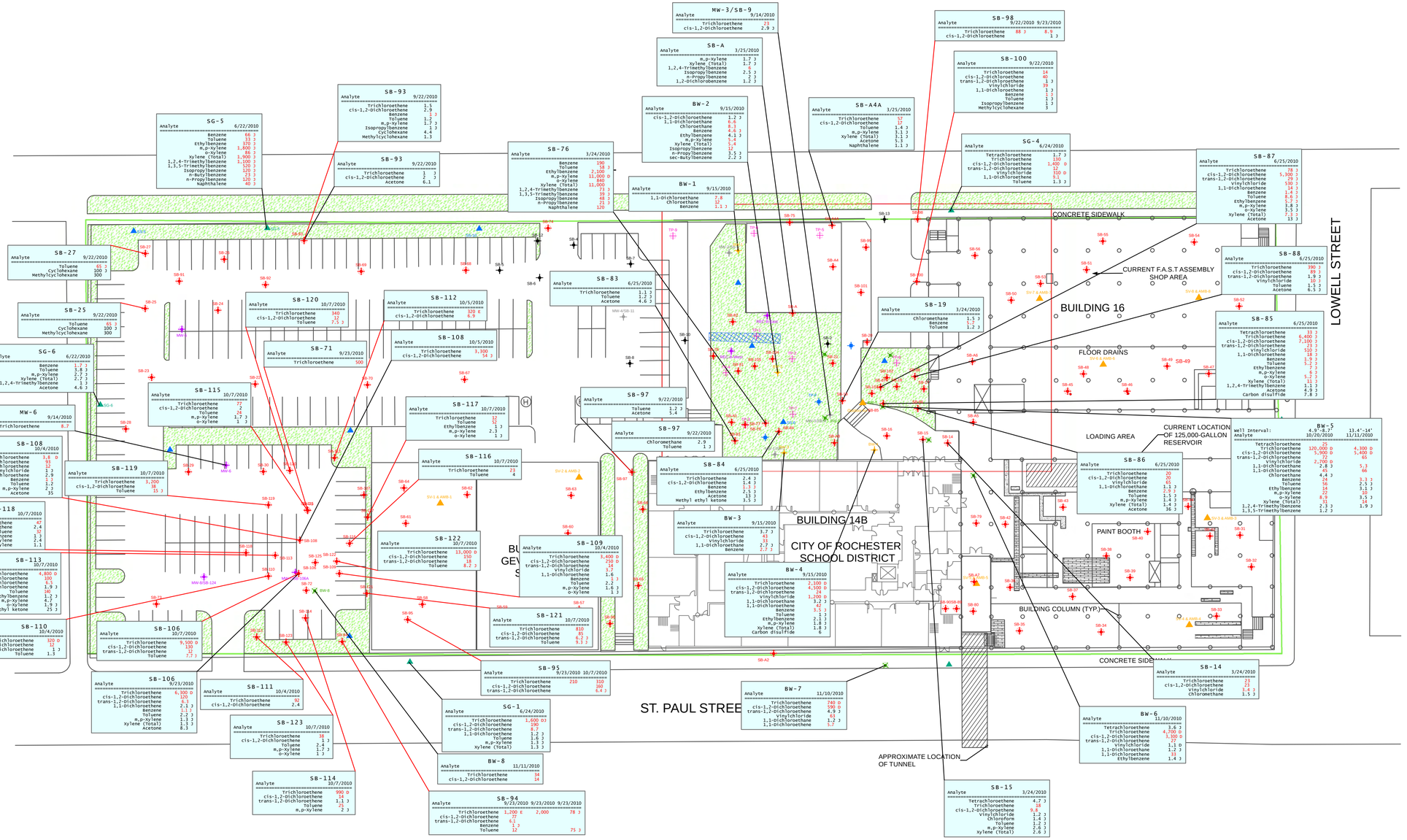
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DETECTED VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES

BROWNFIELD CLEANUP PROGRAM

690 SAINT PAUL STREET
ROCHESTER, NEW YORK

VOLUNTEER:
GENESEE VALLEY
REAL ESTATE COMPANY



LEGEND

- COMPLETED BCP SEDIMENT SAMPLE
- COMPLETED BCP SOIL BORING
- COMPLETED BCP OVERBURDEN WELLS
- COMPLETED BCP BEDROCK WELLS
- COMPLETED BCP TEST PITS
- COMPLETED BCP SOIL GAS SAMPLE
- COMPLETED BCP SOIL VAPOR SAMPLE
- COMPLETED BCP SURFACE SOIL SAMPLE
- COMPLETED PRE-BCP OVERBURDEN WELL
- COMPLETED PRE-BCP SOIL BORING
- COMPLETED PRE-BCP BEDROCK WELLS
- COMPLETED PRE-BCP PHASE II TEST PIT
- FLOOR DRAIN
- WATER FILLED PIPE IN FLOOR
- TUNNEL
- UNEXCAVATED AREA
- BCP BOUNDARY
- CONCRETE FILLED FLOOR TRENCH (POSSIBLE FORMER PIPE CHASE)
- OPEN FLOOR TRENCH (POSSIBLE PIPE CHASE)
- GRASS COVERED MEDIAN
- STAIRWAY

Note:
(1) SITE PLAN DEVELOPED FROM BERO ASSOCIATES ARCHITECTS SITE PLAN FOR 690 SAINT PAUL STREET, ROCHESTER CHARTER SCHOOL SCIENCE AND TECHNOLOGY, DATED APRIL 11, 2000.
(2) All values reported in ug/L.
(3) **Red bold** values exceed NYSDEC TOGS 1.1.1.
(4) Analyses performed by the Mobile Lab are indicated with red leaders.

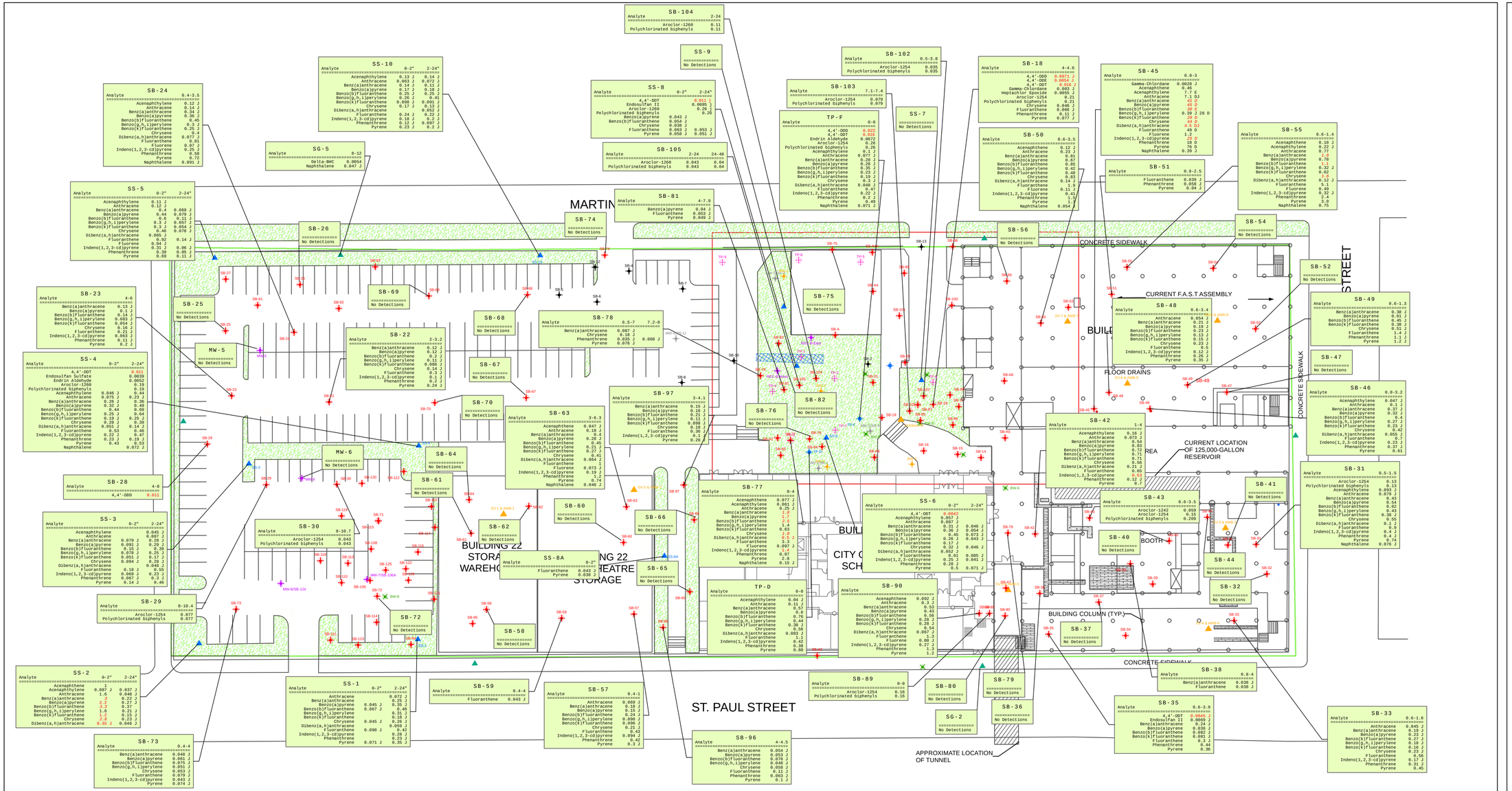
N W E S

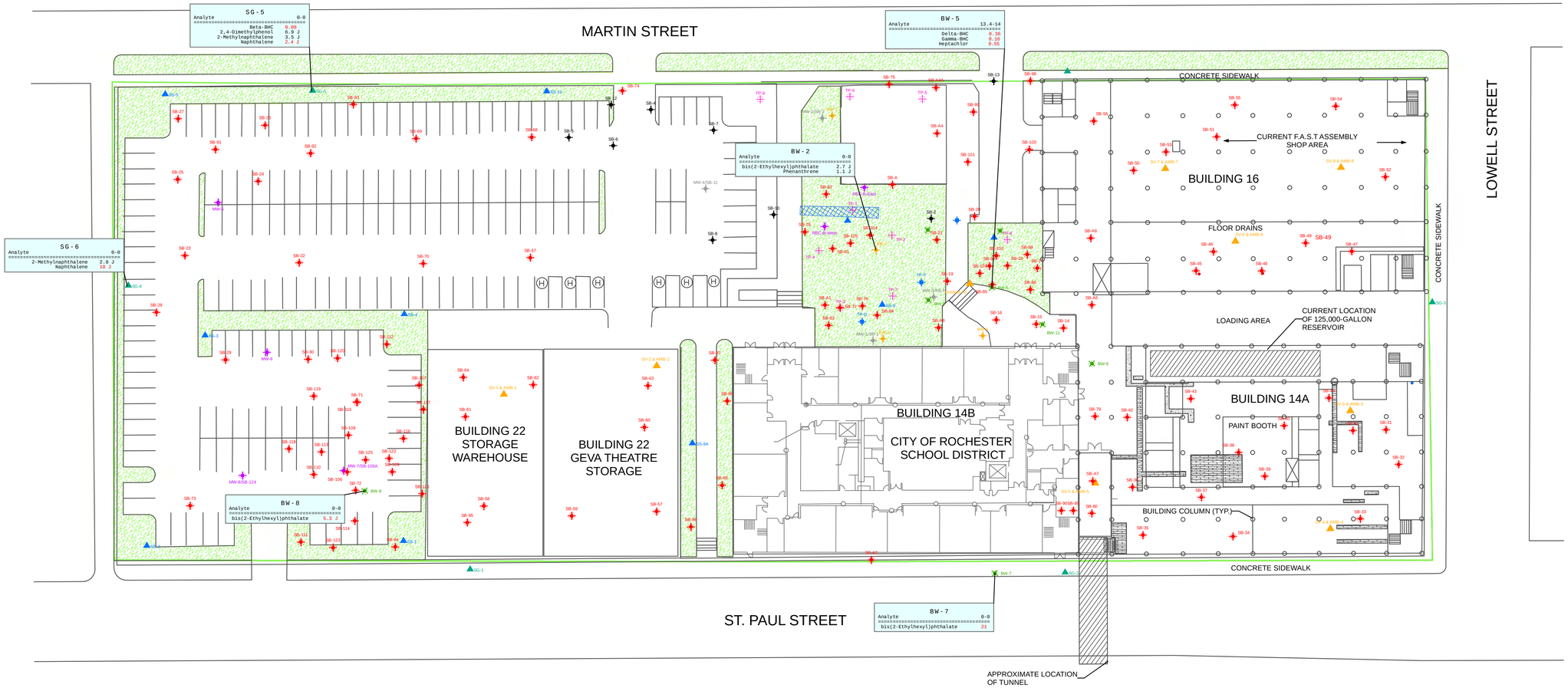
0 30 Feet
1 inch = 35 feet

209280

FIGURE 3

Path: Y:\Genesee Valley Real Estate Co\209280\Drawings\ESPASE - ppm\PPB\MAP.2012.07.17.WaterVOAs_PPB.mxd


SB-104
Analyte 2-24
Aroclor-1260 0.11
Polychlorinated biphenyls 0.11
SS-10
Analyte 0-2" 2-24"
Acenaphthylene 0.13 J 0.14 J
Anthracene 0.14 J 0.11 J
Benz(a)anthracene 0.14 J 0.11 J
Benzo(a)pyrene 0.17 J 0.18 J
Benzo(b)fluoranthene 0.25 J 0.25 J
Benzo(g,h,i)perylene 0.26 J 0.41
Benzo(k)fluoranthene 0.098 J 0.091 J
Chrysene 0.17 J 0.13 J
Dibenz(a,h)anthracene 0.07 J
Fluoranthene 0.24 J 0.22 J
Indeno(1,2,3-cd)pyrene 0.18 J 0.2 J
Phenanthrene 0.097 J
Pyrene 0.23 J 0.2 J
SS-9
No Detections
SB-102
Analyte 0.5-3.8
Aroclor-1254 0.035
Polychlorinated biphenyls 0.035
SB-18
Analyte 4-4.6
Aroclor-1254 0.077
4,4'-DDD 0.0052 J
4,4'-DDE 0.0052 J
4,4'-DDT 0.016 J
Gamma-Chlordane 0.003 J
Heptachlor Epoxide 0.0055 J
Aroclor-1254 0.21
Polychlorinated biphenyls 0.21
Acenaphthylene 0.097 J
Fluoranthene 0.066 J
Phenanthrene 0.11 J
Pyrene 0.077 J
SB-45
Analyte 0.8-3
Gamma-Chlordane 0.0028 J
Acenaphthylene 0.46
Acenaphthylene 7.7 E
Anthracene 7.1 DJ
Benz(a)anthracene 43 D
Benzo(a)pyrene 43 D
Benzo(b)fluoranthene 39 E
Benzo(b,h,i)perylene 0.39 J 28 D
Benzo(k)fluoranthene 29 D
Chrysene 44 D
Dibenz(a,h)anthracene 4.5 DJ
Fluoranthene 49 D
Fluorene 1.2 J
Indeno(1,2,3-cd)pyrene 26 D
Phenanthrene 18 D
Pyrene 76 D
Naphthalene 0.39 J
SB-55
Analyte 0.6-1.4
Acenaphthene 0.18 J
Acenaphthylene 0.22 J
Anthracene 0.77
Benz(a)anthracene 1.6
Benzo(a)pyrene 0.78
Benzo(b)fluoranthene 1.2
Benzo(g,h,i)perylene 0.32 J
Benzo(k)fluoranthene 0.62
Chrysene 1.6
Dibenz(a,h)anthracene 0.32 J
Fluoranthene 5.1
Fluorene 0.49
Indeno(1,2,3-cd)pyrene 0.32 J
Phenanthrene 2.4
Pyrene 4.1
Naphthalene 0.75
SB-24
Analyte 0.4-3.5
Acenaphthylene 0.12 J
Anthracene 0.14 J
Benz(a)anthracene 0.34 J
Benzo(a)pyrene 0.36 J
Benzo(b)fluoranthene 0.45
Benzo(g,h,i)perylene 0.25 J
Benzo(k)fluoranthene 0.17 J
Chrysene 0.28 J
Dibenz(a,h)anthracene 0.048 J
Fluoranthene 0.55
Fluorene 0.07 J
Indeno(1,2,3-cd)pyrene 0.25 J
Phenanthrene 0.58
Pyrene 0.46
Naphthalene 0.091 J
SG-5
Analyte 8-12
Delta-BHC 0.0054
Naphthalene 0.047 J
SS-8
Analyte 0-2" 2-24"
4,4'-DDT 0.011 J
Endosulfan II 0.0085 J
Aroclor-1260 0.26 J
Polychlorinated biphenyls 0.26
Benzo(a)pyrene 0.043 J
Benzo(b)fluoranthene 0.054 J
Chrysene 0.038 J
Fluoranthene 0.063 J 0.053 J
Pyrene 0.058 J 0.051 J
SB-105
Analyte 2-24 24-48
Aroclor-1260 0.043 0.04
Polychlorinated biphenyls 0.043 0.04
SB-103
Analyte 7.1-7.4
Aroclor-1254 0.079
Polychlorinated biphenyls 0.079
TP-F
Analyte 0-0
4,4'-DDE 0.022
4,4'-DDT 0.0072 J
Endrin Aldehyde 0.26
Polychlorinated biphenyls 0.26
Acenaphthylene 0.1 J
Anthracene 0.077 J
Benz(a)anthracene 0.28 J
Benzo(a)pyrene 0.28 J
Benzo(b)fluoranthene 0.35 J
Benzo(g,h,i)perylene 0.23 J
Benzo(k)fluoranthene 0.19 J
Chrysene 0.3 J
Dibenz(a,h)anthracene 0.048 J
Fluoranthene 0.47
Indeno(1,2,3-cd)pyrene 0.22 J
Phenanthrene 0.2 J
Pyrene 0.49
Naphthalene 0.071 J
SS-7
No Detections
SB-50
Analyte 0.6-3.5
Acenaphthene 0.12 J
Anthracene 0.23 J
Benz(a)anthracene 0.81
Benzo(a)pyrene 0.67
Benzo(b)fluoranthene 0.85
Benzo(g,h,i)perylene 0.42
Benzo(k)fluoranthene 0.48
Chrysene 0.85
Dibenz(a,h)anthracene 0.14 J
Fluoranthene 1.5
Fluorene 0.11 J
Indeno(1,2,3-cd)pyrene 0.41
Phenanthrene 1.3
Pyrene 1.2
Naphthalene 0.054 J
SB-51
Analyte 0.9-2.5
Fluoranthene 0.039 J
Phenanthrene 0.058 J
Pyrene 0.04 J
SS-5
Analyte 0-2" 2-24"
Acenaphthylene 0.11 J
Anthracene 0.18 J
Benz(a)anthracene 0.4 0.069 J
Benzo(a)pyrene 0.44 0.079 J
Benzo(b)fluoranthene 0.6 0.11 J
Benzo(g,h,i)perylene 0.3 J 0.057 J
Benzo(k)fluoranthene 0.3 J 0.054 J
Chrysene 0.46 0.078 J
Dibenz(a,h)anthracene 0.092 J
Fluoranthene 0.92 0.14 J
Fluorene 0.04 J
Indeno(1,2,3-cd)pyrene 0.31 J 0.06 J
Phenanthrene 0.39 0.05 J
Pyrene 0.69 0.11 J
SB-26
No Detections
SB-74
No Detections
SB-81
Analyte 4-7.9
Benzo(a)pyrene 0.04 J
Fluoranthene 0.053 J
Pyrene 0.049 J
SB-75
No Detections
SB-56
No Detections
SB-54
No Detections
SB-52
No Detections
SB-49
Analyte 0.6-1.3
Benz(a)anthracene 0.38 J
Benzo(a)pyrene 0.43 J
Benzo(b)fluoranthene 0.45 J
Benzo(g,h,i)perylene 0.38 J
Chrysene 0.53 J
Fluoranthene 1.4 J
Phenanthrene 1.1 J
Pyrene 1.2 J
SB-47
No Detections
SB-23
Analyte 4-6
Benz(a)anthracene 0.13 J
Benzo(a)pyrene 0.1 J
Benzo(b)fluoranthene 0.14 J
Benzo(g,h,i)perylene 0.083 J
Benzo(k)fluoranthene 0.054 J
Chrysene 0.16 J
Fluoranthene 0.063 J
Indeno(1,2,3-cd)pyrene 0.051 J
Phenanthrene 0.11 J
Pyrene 0.2 J
SB-25
No Detections
MW-5
No Detections
SB-69
No Detections
SB-68
No Detections
SB-78
Analyte 6.5-7 7.2-8
Benz(a)anthracene 0.087 J
Chrysene 0.18 J
Phenanthrene 0.035 J 0.068 J
Pyrene 0.076 J
SB-22
Analyte 2-3.2
Benz(a)anthracene 0.12 J
Benzo(a)pyrene 0.12 J
Benzo(b)fluoranthene 0.2 J
Benzo(g,h,i)perylene 0.085 J
Benzo(k)fluoranthene 0.086 J
Chrysene 0.14 J
Fluoranthene 0.3 J
Indeno(1,2,3-cd)pyrene 0.1 J
Phenanthrene 0.2 J
Pyrene 0.24 J
SB-67
No Detections
SB-70
No Detections
SB-97
Analyte 3-4.1
Benz(a)anthracene 0.15 J
Benzo(a)pyrene 0.16 J
Benzo(b)fluoranthene 0.21 J
Benzo(g,h,i)perylene 0.13 J
Benzo(k)fluoranthene 0.098 J
Chrysene 0.19 J
Fluoranthene 0.36 J
Indeno(1,2,3-cd)pyrene 0.1 J
Pyrene 0.26 J
SB-63
Analyte 3-6.3
Acenaphthene 0.047 J
Anthracene 0.18 J
Benz(a)anthracene 0.4
Benzo(a)pyrene 0.28 J
Benzo(b)fluoranthene 0.45
Benzo(g,h,i)perylene 0.21 J
Benzo(k)fluoranthene 0.21 J
Chrysene 0.41
Dibenz(a,h)anthracene 0.064 J
Fluoranthene 1
Fluorene 0.073 J
Indeno(1,2,3-cd)pyrene 0.19 J
Phenanthrene 0.74
Pyrene 0.74
Naphthalene 0.046 J
SB-76
No Detections
SB-82
No Detections
SB-64
No Detections
SB-61
No Detections
SB-60
No Detections
SB-62
No Detections
SB-66
No Detections
SB-65
No Detections
SB-77
Analyte 0-4
Acenaphthene 0.077 J
Acenaphthylene 0.061 J
Anthracene 0.25 J
Benz(a)anthracene 1.8
Benzo(a)pyrene 1.7
Benzo(b)fluoranthene 2.1
Benzo(g,h,i)perylene 1.4
Benzo(k)fluoranthene 0.63
Chrysene 1.8
Dibenz(a,h)anthracene 0.5 J
Fluoranthene 3.3
Fluorene 0.097 J
Indeno(1,2,3-cd)pyrene 1.1
Phenanthrene 0.87
Pyrene 2.8
Naphthalene 0.15 J
SS-6
Analyte 0-2" 2-24"
4,4'-DDT 0.0042
Acenaphthylene 0.057 J
Anthracene 0.087 J
Benz(a)anthracene 0.31 J 0.046 J
Benzo(a)pyrene 0.34 J 0.054 J
Benzo(b)fluoranthene 0.45 0.073 J
Benzo(g,h,i)perylene 0.26 J 0.043 J
Benzo(k)fluoranthene 0.17 J
Chrysene 0.32 J 0.046 J
Dibenz(a,h)anthracene 0.052 J
Fluoranthene 0.61 0.085 J
Indeno(1,2,3-cd)pyrene 0.28 J 0.041 J
Phenanthrene 0.39
Pyrene 0.5 0.071 J
SB-41
No Detections
SB-31
Analyte 0.5-1.5
Aroclor-1254 0.13
Polychlorinated biphenyls 0.13
Acenaphthylene 0.051 J
Anthracene 0.079 J
Benz(a)anthracene 0.43
Benzo(a)pyrene 0.54
Benzo(b)fluoranthene 0.62
Benzo(g,h,i)perylene 0.43
Benzo(k)fluoranthene 0.38 J
Chrysene 0.55
Dibenz(a,h)anthracene 0.1 J
Fluoranthene 0.9
Fluorene 0.4 J
Indeno(1,2,3-cd)pyrene 0.4 J
Phenanthrene 0.47 J
Pyrene 0.76
Naphthalene 0.076 J
SB-28
Analyte 4-8
4,4'-DDD 0.011
SS-3
Analyte 0-2" 2-24"
Acenaphthylene 0.045 J
Anthracene 0.087 J
Benz(a)anthracene 0.079 J 0.28 J
Benzo(a)pyrene 0.091 J 0.29 J
Benzo(b)fluoranthene 0.15 J 0.39
Benzo(g,h,i)perylene 0.078 J 0.25 J
Benzo(k)fluoranthene 0.051 J 0.17 J
Chrysene 0.094 J 0.28 J
Dibenz(a,h)anthracene 0.048 J
Fluoranthene 0.18 J 0.55
Indeno(1,2,3-cd)pyrene 0.068 J 0.23 J
Phenanthrene 0.057 J 0.2 J
Pyrene 0.14 J 0.46
SB-30
Analyte 8-10.7
Aroclor-1254 0.043
Polychlorinated biphenyls 0.043
SS-8A
Analyte 0-2"
Fluoranthene 0.043 J
Pyrene 0.038 J
TP-D
Analyte 0-0
Acenaphthylene 0.04 J
Anthracene 0.31 J
Benz(a)anthracene 0.6
Benzo(b)fluoranthene 0.76
Benzo(g,h,i)perylene 0.44
Benzo(k)fluoranthene 0.38 J
Chrysene 0.56
Dibenz(a,h)anthracene 0.083 J
Fluoranthene 1.1
Indeno(1,2,3-cd)pyrene 0.42
Phenanthrene 0.38
Pyrene 0.88
SB-90
Analyte 0-0
Acenaphthylene 0.092 J
Anthracene 0.3 J
Benz(a)anthracene 0.63
Benzo(a)pyrene 0.43
Benzo(b)fluoranthene 0.56
Benzo(g,h,i)perylene 0.28 J
Benzo(k)fluoranthene 0.28 J
Chrysene 0.54
Dibenz(a,h)anthracene 0.067 J
Fluoranthene 0.98
Fluorene 0.08 J
Indeno(1,2,3-cd)pyrene 0.27 J
Phenanthrene 1.3
Pyrene 1.2
SB-48
Analyte 0.6-3.4
Anthracene 0.054 J
Benz(a)anthracene 0.23 J
Benzo(a)pyrene 0.19 J
Benzo(b)fluoranthene 0.13 J
Benzo(g,h,i)perylene 0.15 J
Chrysene 0.23 J
Fluoranthene 0.5
Indeno(1,2,3-cd)pyrene 0.12 J
Phenanthrene 0.26 J
Pyrene 0.35 J
SB-46
Analyte 0.8-3.2
Acenaphthylene 0.047 J
Anthracene 0.1 J
Benz(a)anthracene 0.37 J
Benzo(a)pyrene 0.32 J
Benzo(b)fluoranthene 0.47 J
Benzo(g,h,i)perylene 0.27 J
Benzo(k)fluoranthene 0.23 J
Chrysene 0.45
Dibenz(a,h)anthracene 0.055 J
Fluoranthene 0.7
Indeno(1,2,3-cd)pyrene 0.23 J
Phenanthrene 0.37 J
Pyrene 0.65
SB-42
Analyte 1-4
Acenaphthylene 0.16 J
Anthracene 0.54 J
Benz(a)anthracene 0.82
Benzo(a)pyrene 0.83
Benzo(b)fluoranthene 0.72
Benzo(g,h,i)perylene 0.71
Benzo(k)fluoranthene 0.73
Chrysene 0.56
Dibenz(a,h)anthracene 0.21 J
Fluoranthene 0.93
Indeno(1,2,3-cd)pyrene 0.63
Phenanthrene 0.12 J
Pyrene 0.7
SB-43
Analyte 0.6-3.5
Aroclor-1242 0.059
Aroclor-1254 0.15
Polychlorinated biphenyls 0.209
SB-40
No Detections
SB-44
No Detections
SB-32
No Detections
SB-38
Analyte 0.8-4
Benz(a)anthracene 0.038 J
Fluoranthene 0.038 J
SB-35
Analyte 0.6-3.9
4,4'-DDT 0.0045 J
Endosulfan II 0.0069 J
Benz(a)anthracene 0.24 J
Benzo(a)pyrene 0.038 J
Benzo(b)fluoranthene 0.24 J
Benzo(k)fluoranthene 0.081 J
Fluoranthene 0.3 J
Phenanthrene 0.44
Pyrene 0.36
SB-33
Analyte 0.6-1.6
Anthracene 0.045 J
Benz(a)anthracene 0.19 J
Benzo(a)pyrene 0.23 J
Benzo(b)fluoranthene 0.27 J
Benzo(g,h,i)perylene 0.18 J
Benzo(k)fluoranthene 0.16 J
Chrysene 0.27 J
Fluoranthene 0.56
Indeno(1,2,3-cd)pyrene 0.17 J
Phenanthrene 0.31 J
Pyrene 0.45
SB-29
Analyte 0-10.4
Aroclor-1254 0.077
Polychlorinated biphenyls 0.077
SB-72
No Detections
SB-58
No Detections
SB-59
Analyte 0.4-4
Fluoranthene 0.043 J
SS-1
Analyte 0-2" 2-24"
Anthracene 0.072 J
Benz(a)anthracene 0.25 J
Benzo(a)pyrene 0.045 J 0.35 J
Benzo(b)fluoranthene 0.067 J 0.46
Benzo(g,h,i)perylene 0.15 J
Benzo(k)fluoranthene 0.18 J
Chrysene 0.045 J 0.26 J
Dibenz(a,h)anthracene 0.059 J
Fluoranthene 0.098 J 0.42
Fluorene 0.28 J
Indeno(1,2,3-cd)pyrene 0.23 J
Phenanthrene 0.071 J 0.35 J
SB-57
Analyte 0.4-1
Anthracene 0.069 J
Benz(a)anthracene 0.18 J
Benzo(a)pyrene 0.15 J
Benzo(b)fluoranthene 0.24 J
Benzo(g,h,i)perylene 0.098 J
Benzo(k)fluoranthene 0.091 J
Chrysene 0.21 J
Fluoranthene 0.43
Indeno(1,2,3-cd)pyrene 0.094 J
Phenanthrene 0.42
Pyrene 0.3 J
SB-89
Analyte 0-0
Aroclor-1254 0.16
Polychlorinated biphenyls 0.16
SB-80
No Detections
SB-79
No Detections
SB-36
No Detections
SG-2
No Detections
SB-96
Analyte 4-4.5
Benz(a)anthracene 0.054 J
Benzo(a)pyrene 0.053 J
Benzo(b)fluoranthene 0.076 J
Benzo(g,h,i)perylene 0.048 J
Chrysene 0.058 J
Fluoranthene 0.083 J
Phenanthrene 0.043 J
Pyrene 0.1 J
SB-73
Analyte 0.4-4
Benz(a)anthracene 0.048 J
Benzo(a)pyrene 0.061 J
Benzo(b)fluoranthene 0.075 J
Benzo(g,h,i)perylene 0.051 J
Chrysene 0.059 J
Fluoranthene 0.079 J
Indeno(1,2,3-cd)pyrene 0.043 J
Pyrene 0.074 J
SS-2
Analyte 0-2" 2-24"
Acenaphthene 1
Acenaphthylene 0.087 J 0.037 J
Anthracene 1.6 0.068 J
Benz(a)anthracene 0.22 J
Benzo(a)pyrene 2.2 0.27 J
Benzo(b)fluoranthene 3.3 0.37
Benzo(g,h,i)perylene 1.6 0.21 J
Benzo(k)fluoranthene 1.2 0.15 J
Chrysene 2.8 0.23 J
Dibenz(a,h)anthracene 0.35 J 0.046 J
MW-6
No Detections
SB-27
SB-91
SB-92
SB-24
SB-23
SB-22
SB-70
SB-28
SB-29
SB-3
SB-73
SB-2
SB-1
SB-59
SB-57
SB-58
SB-72
SB-68
SB-95
SB-73
SB-121
SB-123
SB-124
SB-125
SB-126
SB-127
SB-128
SB-129
SB-130
SB-131
SB-132
SB-133
SB-134
SB-135
SB-136
SB-137
SB-138
SB-139
SB-140
SB-141
SB-142
SB-143
SB-144
SB-145
SB-146
SB-147
SB-148
SB-149
SB-150
SB-151
SB-152
SB-153
SB-154
SB-155
SB-156
SB-157
SB-158
SB-159
SB-160
SB-161
SB-162



LEGEND

- COMPLETED BCP SEDIMENT SAMPLE
- COMPLETED BCP SOIL BORING
- COMPLETED BCP OVERBURDEN WELLS
- COMPLETED BCP BEDROCK WELLS
- COMPLETED BCP TEST PITS
- COMPLETED BCP SOIL GAS SAMPLE
- COMPLETED BCP SOIL VAPOR SAMPLE
- COMPLETED BCP SURFACE SOIL SAMPLE
- COMPLETED PRE-BCP OVERBURDEN WELL
- COMPLETED PRE-BCP SOIL BORING
- COMPLETED PRE-BCP BEDROCK WELLS
- COMPLETED PRE-BCP PHASE II TEST PIT
- FLOOR DRAIN
- WATER FILLED PIPE IN FLOOR
- TUNNEL
- UNEXCAVATED AREA
- BCP BOUNDARY
- CONCRETE FILLED FLOOR TRENCH (POSSIBLE FORMER PIPE CHASE)
- OPEN FLOOR TRENCH (POSSIBLE PIPE CHASE)
- GRASS COVERED MEDIAN
- STAIRWAY

Note:
(1) SITE PLAN DEVELOPED FROM BERO ASSOCIATES ARCHITECTS SITE PLAN FOR 690 SAINT PAUL STREET, ROCHESTER CHARTER SCHOOL SCIENCE AND TECHNOLOGY, DATED APRIL 11, 2000.
(2) All values reported in ug/L.
(3) **Red bold** values exceed NYSDEC TOGS 1.1.1.

Path: Y:\Genesee Valley Real Estate Co\209280\Drawings\ESPASE - ppm\PPB\MAP.2012.07.17.WaterSVOAsETC_PPB.mxd

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DETECTED SEMI-VOLATILE ORGANIC COMPOUNDS, PESTICIDES, AND POLYCHLORINATED BIPHENYLS IN WATER SAMPLES

BROWNFIELD CLEANUP PROGRAM

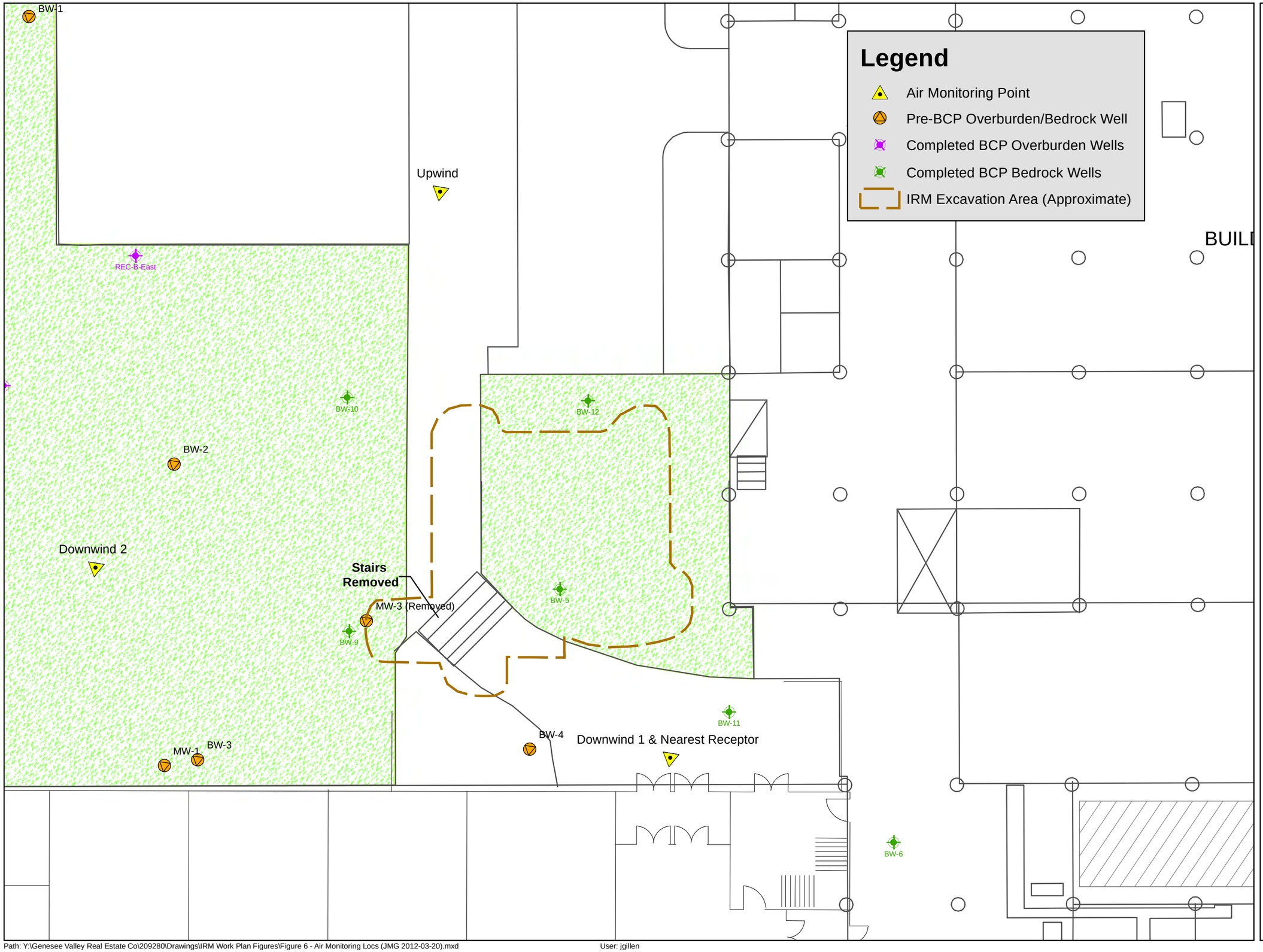
690 SAINT PAUL STREET
ROCHESTER, NEW YORK

VOLUNTEER:
GENESEE VALLEY
REAL ESTATE COMPANY

0 35 Feet
1 inch = 33 feet

209280

FIGURE 5



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IRM EXCAVATION - AIR MONITORING LOCATIONS

CONSTRUCTION COMPLETION REPORT - AOC #1

BROWNFIELD CLEANUP PROGRAM

690 SAINT PAUL STREET
ROCHESTER, NEW YORK

VOLUNTEER:
GENESEE VALLEY
REAL ESTATE COMPANY

N E W S

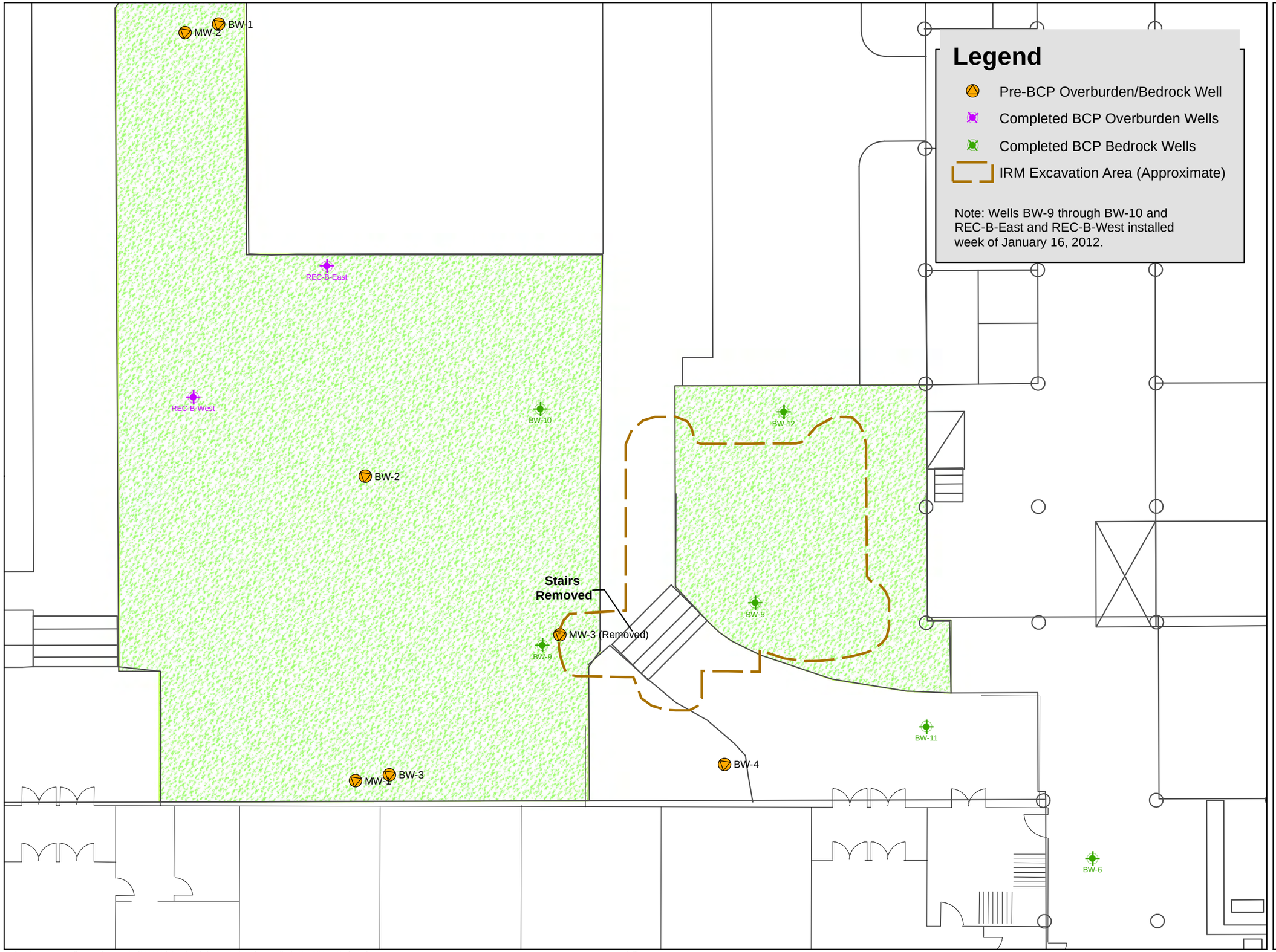
0 8 16
Feet
1 inch = 16 feet

209280

FIGURE 6

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IRM AOC 1 -
Bedrock Interface Well
and New Recovery Well
Locations

REMEDIAL ACTION REPORT

BROWNFIELD CLEANUP
PROGRAM

690 SAINT PAUL STREET
ROCHESTER, NEW YORK

VOLUNTEER:
GENESEE VALLEY
REAL ESTATE COMPANY

209280

FIGURE 7

Path: Y:\Genesee Valley Real Estate Co\209280\Drawings\Fig 7 - BR interface wells (JMG 2012-02-02).mxd

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IRM EXCAVATION - CONFIRMATION SAMPLE LOCATIONS

CONSTRUCTION COMPLETION REPORT - AOC #1

BROWNFIELD CLEANUP PROGRAM

690 SAINT PAUL STREET
ROCHESTER, NEW YORK

VOLUNTEER:
GENESEE VALLEY REAL ESTATE COMPANY

STATE OF NEW YORK
DANIEL P. NOLL
No. 081995
LICENSED PROFESSIONAL ENGINEER

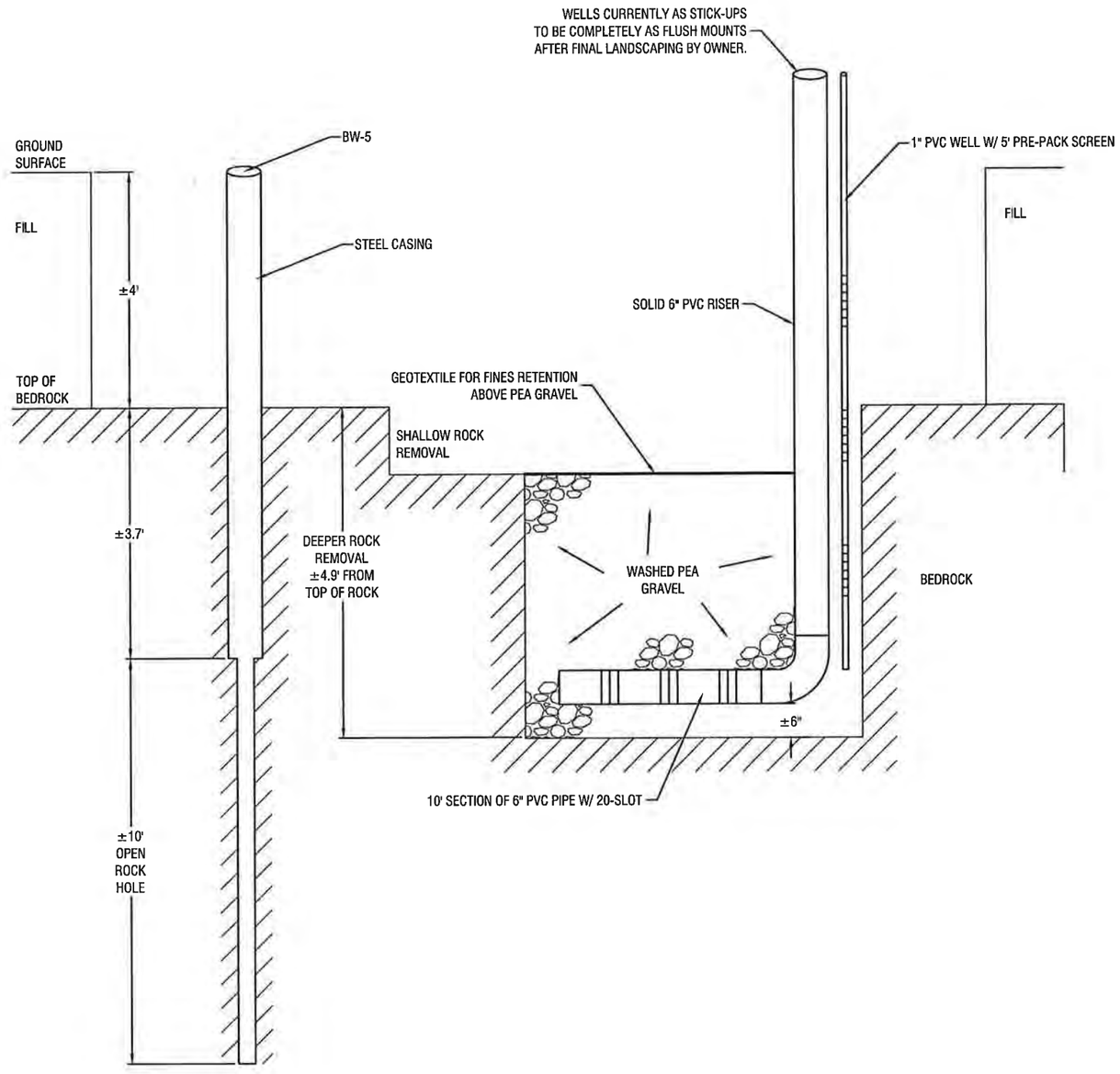
It is a violation of New York Education Law Article 145 Sec.7209, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to alter an item in any way. If an item bearing the seal of an architect, engineer, or land surveyor is altered; the altering architect, engineer, or land surveyor shall affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration.

N E S W

0 5 10 Feet
1 inch = 10 feet

209280

FIGURE 8



* NOTES:
1. NOT TO SCALE (DIMENSIONS ONLY AS SHOWN).
2. SECOND NAPL MONITORING/EXTRACTION INFRASTRUCTURE CONSTRUCTED SAME EXCEPT 6" SLOTTED PIPE SET ABOUT 3' INTO BEDROCK.

It is a violation of New York Education Law Article 145 Sec.7209, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to alter an item in any way. If an item bearing the seal of an architect, engineer, or land surveyor is altered; the altering architect, engineer, or land surveyor shall affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration.

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PROJECT/CLIENT
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690 ST. PAUL STREET
ROCHESTER, NY

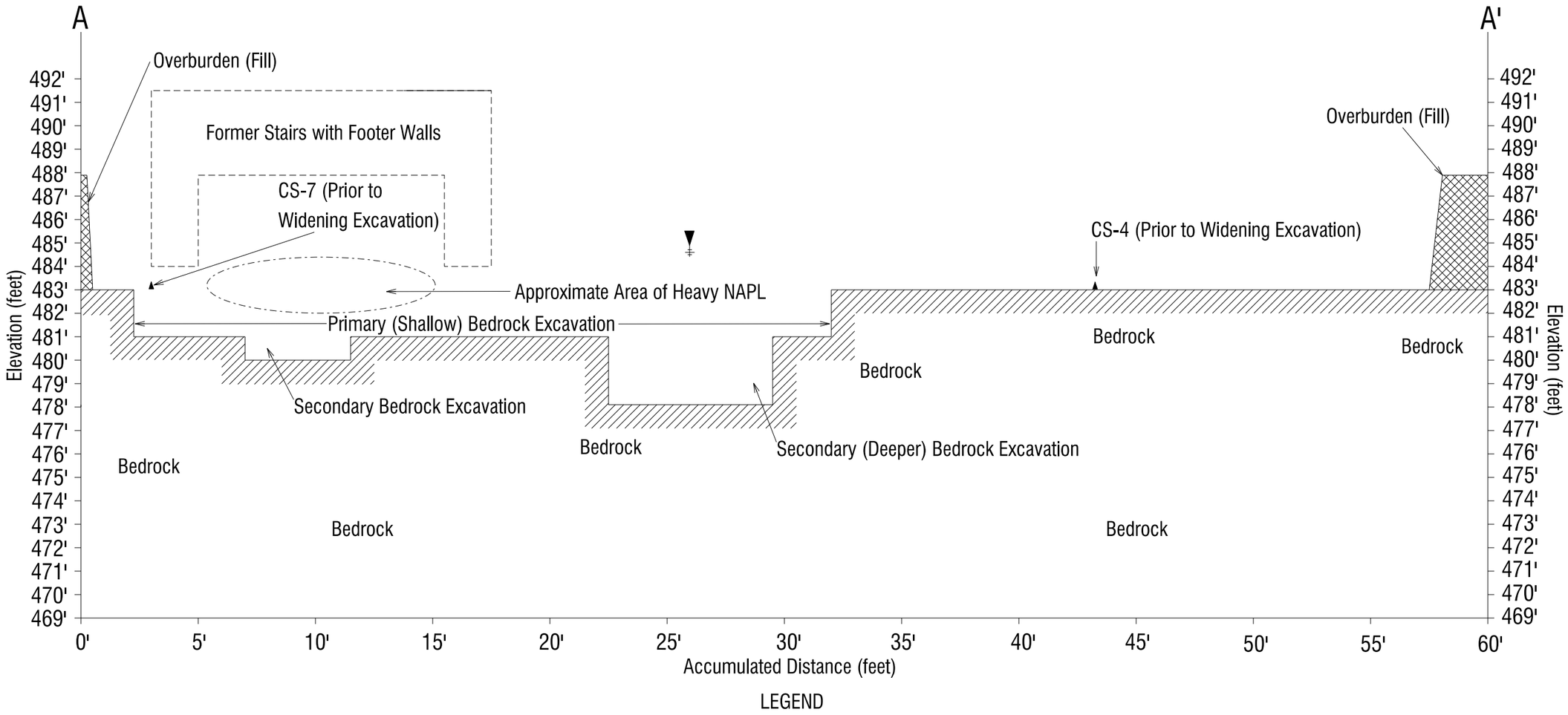
PROJECT COMPLETION REPORT
BCP SITE #C828159

DRAWING TITLE
IRM AOC #1 FORMER OIL HOUSE
NAPL MONITORING/EXTRACTION
INFRASTRUCTURE
CROSS SECTION AND DETAILS

ISSUED FOR: DRAFT
DESIGNED BY: JPN
DRAWN BY: RMS
REVIEWED BY: DPN
DATE: APRIL 2012

PROJECT/DRAWING NUMBER
209280

FIGURE 9



LEGEND

NOTE:

1. Formations based on boring log notes and excavation measurements.
2. Water Level and zone of product measured during IRM excavation.
3. This cross section has no vertical exageration.
4. Elevation datum is NAVD88.

▲ Confirmatory Sample

▼ Groundwater Level Observed During IRM

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PROJECT/CLIENT
IRM WORK PLAN
BROWNFIELD CLEANUP PROGRAM
690 Saint Paul Street
Rochester, New York
Volunteer: Genesee Valley Real Estate Company

DRAWING TITLE
CROSS SECTION
A-A'

ISSUED FOR: FINAL
DATE: FEBRUARY 2011
DESIGNED BY: EPD
DRAWN BY: PJ
REVIEWED BY: DPH
Y:\PROJECTS\CP\209280\SHP\

PROJECT/DRAWING NUMBER
209280

FIGURE 10

LaBella Associates, P.C.
300 State Street
Rochester, New York 14614

Appendix A

IRM Air Monitoring Logs

690 St. Paul

DAILY COMMUNITY AIR MONITORING LOG

DATE: 1/17/12

PARTICULATE AND VOC AIR PERIMETER MONITORING

($\mu g/m^3$)

	LOCATION 1: Nearest Receptor		LOCATION 2: Downwind		LOCATION 3:		LOCATION 4:	
TIME	PARTICULATE ($\mu g/m^3$)	VOC ~~(ppm)~~ ppb	PARTICULATE ($\mu g/m^3$)	VOC (ppm)	PARTICULATE ($\mu g/m^3$)	VOC (ppm)	PARTICULATE ($\mu g/m^3$)	VOC (ppm)
6:00								
6:30								
7:00								
7:30								
8:00								
8:30	0.024	0	0.021	0				
9:00	0.026	0	0.021	0				
9:30	0.028	0	0.025	0				
10:00	0.031	0	0.024	0				
10:30	0.028	0	0.022	0				
11:00	0.029	0	0.023	0				
11:30	0.032	0	0.025	0				
12:00	0.030	0	0.024	0				
12:30	No Drilling							
13:00								
13:30	0.026	0	0.024	0				
14:00	0.031	0	0.022	0				
14:30	0.027		0.017	0				
15:00								
15:30	Subsurface Work Done							
16:00								
16:30								
17:00								
17:30								
18:00								
18:30								
19:00								



CALIBRATION - PARTICULATE METER

TIME	MODEL	BACKGROUND	LOCATION

CALIBRATION - PHOTOIONIZATION DETECTOR

TIME	MODEL	BACKGROUND	GAS

NOTES:

690 St. Paul

DAILY COMMUNITY AIR MONITORING LOG

DATE: 1/18/12

PARTICULATE AND VOC AIR PERIMETER MONITORING

($\mu g/m^3$)

	LOCATION 1: Nearest Recept.		LOCATION 2: Downwind		LOCATION 3:		LOCATION 4:	
TIME	PARTICULATE ($\mu g/m^3$)	VOC (ppm)	PARTICULATE ($\mu g/m^3$)	VOC (ppm)	PARTICULATE ($\mu g/m^3$)	VOC (ppm)	PARTICULATE ($\mu g/m^3$)	VOC (ppm)
6:00								
6:30								
7:00								
7:30								
8:00								
8:30								
9:00	0.013	0	0.009	0				
9:30	0.003	0	0.017	0				
10:00	0.008	0	0.013	0				
10:30	0.008	0	0.007	0				
11:00	No	Drilling						
11:30								
12:00	0.007	0	0.001	0				
12:30	0.004	0	0.006	0				
13:00								
13:30	No	Drilling						
14:00								
14:30								
15:00								
15:30								
16:00								
16:30								
17:00								
17:30								
18:00								
18:30								
19:00								

CALIBRATION - PARTICULATE METER

TIME	MODEL	BACKGROUND	LOCATION



CALIBRATION - PHOTOIONIZATION DETECTOR

TIME	MODEL	BACKGROUND	GAS

NOTES: Very windy (West) + cold (~20°F)

Sampling 15 min. Averages

690 St. Paul

DAILY COMMUNITY AIR MONITORING LOG

DATE: 1/19/12

PARTICULATE AND VOC AIR PERIMETER MONITORING

	LOCATION 1: Nearest Recep.		LOCATION 2: Downwind		LOCATION 3:		LOCATION 4:	
TIME	PARTICULATE ($\mu g/m^3$)	VOC (ppm)	PARTICULATE ($\mu g/m^3$)	VOC (ppm)	PARTICULATE ($\mu g/m^3$)	VOC (ppm)	PARTICULATE ($\mu g/m^3$)	VOC (ppm)
6:00								
6:30								
7:00								
7:30								
8:00								
8:30	0.011	0	0.007	0				
9:00	0.013	0	0.004	0				
9:30								
10:00	NO DRILLING							
10:30								
11:00	0.012	0	0.004	0				
11:30	0.013		0.006	0				
12:00								
12:30	NO DRILLING							
13:00								
13:30	0.014	0	0.004	0				
14:00	0.010	0	0.002	0				
14:30								
15:00								
15:30								
16:00								
16:30								
17:00								
17:30								
18:00								
18:30								
19:00								

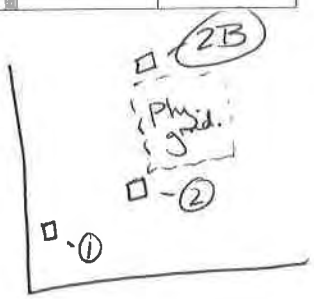
CALIBRATION - PARTICULATE METER

TIME	MODEL	BACKGROUND	LOCATION

CALIBRATION - PHOTOIONIZATION DETECTOR

TIME	MODEL	BACKGROUND	GAS

NOTES:



After 9A moved 2 to 2B location.

Interim Remedial Measure - BCP Site #C828159, 690 St. Paul St., Rochester, NY
Daily Community Air Monitoring Log
Particulate and VOC Monitoring
Date: 11-14-11

Time	Wind Direction	Upwind			Downwind			Downwind			Nearest Potential Receptor	Work Zone
		Location	Particulates (mg/m^3)	VOCs (ppm)	Location	Particulates (mg/m^3)	VOCs (ppm)	Location	Particulates (mg/m^3)	VOCs (ppm)	VOCs (ppb)	VOCs (ppm)
0930	From S-E	U-1	0.017	0	D-1	0.018	0				0	0
1000		"	0.018	0	"	0.018	0				0	0
1030		"	0.019	0.1	"	0.018	0				0	0
1045		"	0.019	0	"	.023	0				0	0
1100		"	0.026	0	"	.024	0				0	0
1115		"	0.021	0	"	0.26	0				0	0
1130		"	0.021	0	"	.029	0				0	0
1145		"	0.022	0	"	.028	0				0	0
1200		"	0.022	0	"	.027	0				0	0
1300		"	0.022	0	"	0.23	0				0	0
1315		"	0.022	0	"	0.22	0				0	0
1330		"	0.022	0	"	0.022	0				0	0
1345		"	0021	0	"	0.021	0	D-2	0.026	0	0	0
1400		"	0.025	0	"	0.020	0	"	0.020	0	0	0
1415		"	0.022	0	"	0.019	0	"	0.019	0	0	0
1430		"	0.021	0	"	0.019	0	"	0.018	0	0	0
1445		"	0.020	0		0.018	0	"	0.018	0	0	0
	N/O	more	excavation work for the day									

Calibration - TSI DustTrak Model 8520 Particulate Meter

Time	Serial Number	With Zero Air Filter	Background	~~Location~~	Background	Location
	8530114002	0.023-.024 mg/m³	0 mg/m³		mg/m³	U-1
	8530114003	0.015-.016 ~~mg/m3~~ mg/m³	0 mg/m3 mg/m³		mg/m3 mg/m³	D-1

Calibration - Photoionization Detector

Time	Model	Serial Number	Zero (Ambient) Air	Zero (Ambient) Air	Location
0800	Minirae 3000	592-906602	0 ppm	0 ppm	U-1
		592-906588	0 ppm	0 ppm	D-1
		592-905893	0 ppm	0 ppm	field use nearest potential receptor
	ppb Rae MiniRae3000	594-902180	0 ±150 ~~zero~~ ppb ~~ppm~~	ppm	

Notes/Activities: 1020 start excavating soil, Lunch 1200 to 1300

Interim Remedial Measure - BCP Site #C828159, 690 St. Paul St., Rochester, NY
Daily Community Air Monitoring Log
Particulate and VOC Monitoring
Date: 11-15-11

Time	Wind Direction	Upwind			Downwind - 1			Downwind - 2			Nearest Potential Receptor	Work Zone
		Location	Particulates (mg/m³)	VOCs (ppm)	Location	Particulates (mg/m³)	VOCs (ppm)	Location	Particulates (mg/m³)	VOCs (ppm)	VOCs (ppb)	VOCs (ppm)
0900		U-1	0.049	0	D-1	.053	0	D-2	0.069	0	0	0
1045		"	.037	0	"	0.042	0	"	.044	0	0	0
1115		"	.035	0	"	0.040	0	"	.046	0	0	0
1145		"	.033	0	"	.039	0	"	.044	0	0	0
1245		"	.017	0	"	.034	0	"	.039	0	1	0
1300		"	.016	0	"	.034	0	"	.038	0	1	0
1320		"	.017	0	"	.022	0	"	.021	0	1	0
1400		"	.015	0	"	.032	0		.033	0	1	0
1430		"	.014	0	"	.031	0	"	.034	0	11	0
1520		"	.015	0		.040	0	"	.032	0	17	

Calibration - TSI DustTrak Model 8520 Particulate Meter

Time	Serial Number	With Zero Air Filter	Background	~~Location~~	~~Background~~	Location
0805	8530114022	0 mg/m³	mg/m³		mg/m³	D-1
↓	4530114322	0 mg/m3	mg/m3		mg/m3	D-2
↓	8530114033	0 mg/m³	mg/m³		mg/m³	U-1

Calibration - Photolonization Detector

Time	Model	Serial Number	Zero (Ambient) Air	~~Zero (Ambient) Air~~	Location
0805	~~592-906602~~ minirae 3000	592-906602	0 ppm	ppm	D-1
↓	"	592 906595	0 ppm	ppm	D-2
↓	"	592-906603	0 ppm	ppm	U-1
↓		594-902180	0 ppm	ppm	nearest pot. receptor

Notes/Activities: 0900- Background Reading

518-486 9786

See map on back for location information

Interim Remedial Measure - BCP Site #C828159, 690 St. Paul St., Rochester, NY
Daily Community Air Monitoring Log
Particulate and VOC Monitoring
Date: 11-16-11

Time	Wind Direction	Upwind			Downwind			Downwind			Nearest Potential Receptor	Work Zone
		Location	Particulates (mg/m^3)	VOCs (ppm)	Location	Particulates (mg/m^3)	VOCs (ppm)	Location	Particulates (mg/m^3)	VOCs (ppm)	VOCs (ppb)	VOCs (ppm)
1109		U-1	.036	0	D-1	.037	0	D-2	.032	0	0	0
1123		"	.038	0	"	.041	0	"	.032	0	0	0
1145		"	.038	0		.044	0	"	.033	0	0	0
1250		"	.040	0	"	.044	0	"	.034	0	0	0
1346		"	.040	0	"	.044	0	"	.034	0	0	0
1400		"	.040	0	"	.044	0	"	.034	0	0	0

Calibration - TSI DustTrak Model 8520 Particulate Meter

Time	Serial Number	With Zero Air Filter	Background	*Location	Background	Location
0745	8539014322	0 mg/m³	mg/m³		mg/m³	U-1
	8536114002	0 mg/m3	mg/m3		mg/m3	D-1
	8530114032	mg/m³	mg/m³		mg/m³	D-2

Calibration - Photolonization Detector

Time	Model	Serial Number	Zero (Ambient) Air		Zero (Ambient) Air		Location
0745	~~85301143~~ MiniRae 3000	~~45~~ 592-906598	0	ppm		ppm	U-1
		592-906602	0	ppm		ppm	D-1
		592-906603	0	ppm		ppm	
	Calibrate	594-902180	0	ppm		ppm	nearest pot. receptor

Notes/Activities:

See map on back for location information.

Interim Remedial Measure - BCP Site #C828159, 690 St. Paul St., Rochester, NY
Daily Community Air Monitoring Log
Particulate and VOC Monitoring
Date: 11-17-11

Time	Wind Direction	Upwind			Downwind -1			Downwind -2			Nearest Potential Receptor	Work Zone
		Location	Particulates (mg/m^3)	VOCs (ppm)	Location	Particulates (mg/m^3)	VOCs (ppm)	Location	Particulates (mg/m^3)	VOCs (ppm)	VOCs (ppb)	VOCs (ppm)
0730		U-1	.028	0	D-1	.026	0	D-2	.026	.006	0	0
0850		"	.028	0	"	.0260	0	"	.026	.0	0	0
1300		"	.024	0	"	.022	0	"	.022	0	3	0
1350		"	.024	0	"	.021	0	"	.022	0	3	0
1435		"	.023	0	"	.021	0	"	.023	0	4	0
1510		"	.023	0		.022	0	"	.023	0	4	0

Calibration - TSI DustTrak Model 8520 Particulate Meter						
Time	Serial Number	With Zero Air Filter	Background	Location	Background	Location
0852	8530114002	0 mg/m³	mg/m³		mg/m³	U-1
	8530114033	0 mg/m3	mg/m3		mg/m3	U-2
	8530114022	mg/m³	mg/m³		mg/m³	D-2

Calibration - Photolonization Detector						
Time	Model	Serial Number	Zero (Ambient) Air		Zero (Ambient) Air	Location
	MiniRae 3000	592-906602	0	ppm	ppm	U-1
	↓	592-906603	0	ppm	ppm	U2
		592-906598	0	ppm	ppm	D-2
	(ppb Re)	594-902180	8 ppb	~~ppm~~	ppm	nearest potential receptor

Notes/Activities:

See map on back for location information.

Interim Remedial Measure - BCP Site #C828159, 690 St. Paul St., Rochester, NY
Daily Community Air Monitoring Log
Particulate and VOC Monitoring
Date: 11-18-11

Time	Wind Direction	Upwind			Downwind			Downwind			Nearest Potential Receptor	Work Zone
		Location	Particulates (mg/m^3)	VOCs (ppm)	Location	Particulates (mg/m^3)	VOCs (ppm)	Location	Particulates (mg/m^3)	VOCs (ppm)	VOCs (ppb)	VOCs (ppm)
0835		U-1			D-1	.026	0	D-2	.032	0		
0900		"	.031	0	"	.027	0	"	.032	0	0	0
0920		"	.021	0	"	.028	0	"	.037	0	0	0

Calibration - TSI DustTrak Model 8520 Particulate Meter

Time	Serial Number	With Zero Air Filter	Background	Location	Background	Location
0845	8530114022	0 mg/m³	mg/m³		mg/m³	U-1
↓	8530114033	0 mg/m3	mg/m3		mg/m3	D-1
↓	8530114322	0 mg/m³	mg/m³		mg/m³	D-2

Calibration - Photolonization Detector

Time	Model	Serial Number	Zero (Ambient) Air	Zero (Ambient) Air	Location
0815	Minirae 3000	592-906607	0 ppm	ppm	U-1
	↓	592-906603	0 ppm	ppm	D-1
		592-906598	0 ppm	ppm	D-2
↓	↓		ppb ppm	ppm	nearest potential receptor

Notes/Activities:

See map on back for location information.

Interim Remedial Measure - BCP Site #C828159, 690 St. Paul St., Rochester, NY
Daily Community Air Monitoring Log
Particulate and VOC Monitoring
Date: 11/23/2011

Time	Wind Direction	Upwind U-1			Downwind D-1			Downwind D-2			Nearest Potential Receptor	Work Zone
		Location	Particulates (mg/m^3)	VOCs (ppm)	Location	Particulates (mg/m^3)	VOCs (ppm)	Location	Particulates (mg/m^3)	VOCs (ppm)	VOCs (ppb)	VOCs (ppm)
0800	SW		0.016	0.0		0.006	0.0		0.016	0.0	0.018	0.0
0815			0.016			7	0.1		0.011			
0830			0.014			6	0.1		106			
0845			0.011			8	0.0		08			
0900			0.012			6	0.0		06			
0915			0.016			0.009	0.2		0.008	0.0		
0930			0.013				0.2					
0945			0.013				0.1					
1000							0.2					
1015							0.1					
1030							0.1					
1045				0.1								

Calibration - TSI DustTrak Model 8520 Particulate Meter

Time	Serial Number	With Zero Air Filter	Background	Location	Background	Location
		mg/m^3	mg/m^3		mg/m^3	
		mg/m3	mg/m3		mg/m3	
		mg/m^3	mg/m^3		mg/m^3	

Calibration - Photolonization Detector

Time	Model	Serial Number	Zero (Ambient) Air	Zero (Ambient) Air	Location
			ppm	ppm	
			ppm	ppm	
			ppm	ppm	
			ppm	ppm	

Notes/Activities:

See map on back for location information.

Interim Remedial Measure - BCP Site #C828159, 690 St. Paul St., Rochester, NY
Daily Community Air Monitoring Log
Particulate and VOC Monitoring
Date: 11/28/2011

Time	Wind Direction	Upwind U-1			Downwind D-1				Downwind D-2			Nearest Potential Receptor	Work Zone
		Location	Particulates (mg/m^3)	VOCs (ppm)	Location	Particulates (mg/m^3)	VOCs (ppm)	VOCs (ppb)	Location	Particulates (mg/m^3)	VOCs (ppm)	VOCs (ppb)	VOCs (ppm)
0815	SW	U-1	0.031	0.0	D-1	0.042	0.2	31	D-2	0.021	0.0		
0830			0.038			0.057	0.2	36		0.018			
0845			0.026			0.063	0.2	21		0.024			
0900			0.009			0.031	0.1	12		0.026			
0915			0.010			0.018	0.1	6		0.022			
0930			0.018			0.085	0.2	5		0.031			
0945			0.011			0.094	0.1	2		0.042			
1000			0.017			0.099	0.1	0		0.044			
1015			0.019			0.085	0.2	0		0.038			
1030			0.021			0.135	0.2	0		0.056			
1045			0.008			0.134	0.1	8		0.058			
1100			0.017			0.111	0.1	5		0.041			
1115			0.028			0.122	0.1	4		0.055			
1130			0.031			0.130	0.1	0		0.041			
1145			0.019			0.085	0.1	0		0.032			
LUNCH 12-1300 1315			0.021			0.121	0.2	0		0.055			
1330			0.022			0.108	0.2	0		0.036			
1345			0.058			0.121	0.2	4		0.041			
1400			0.062			0.199	0.2	6		0.028			
1415			0.081			0.211	0.2	0		0.031			
1430			0.059			0.108	0.1	10		0.026			

Calibration - TSI DustTrak Model 8520 Particulate Meter

Time	Serial Number	With Zero Air Filter	Background	Location	Background	Location
0800	8530114033	0 mg/m³	mg/m³		mg/m³	U-1
0800		0 mg/m3	mg/m3		mg/m3	D-1
0800	8530114002	0 mg/m³	mg/m³		mg/m³	D-2

Calibration - Photolonization Detector

Time	Model	Serial Number	Zero (Ambient) Air	Zero (Ambient) Air	Location
0810	592-906603	MiniRae3000	0 ppm	ppm	U-1
0810			0 ppm	ppm	D-1
0810	592-906602		0 ppm	ppm	D-2
			ppm	ppm	

Notes/Activities: 0815 - Remove Stairs. Segregate Concrete Not in contact w/ last few feet of soil as C&D, but last few feet in contact with soil will go with Bedrock. 1130 Top-Tech still working on demolishing stairs

See map on back for location information.

Interim Remedial Measure - BCP Site #C828159, 690 St. Paul St., Rochester, NY
Daily Community Air Monitoring Log
Particulate and VOC Monitoring
Date: 11/29/2011

Time	Wind Direction	Upwind U-1			Downwind D-1			Downwind D-2			Nearest Potential Receptor (D-1)	Work Zone
		Location	Particulates (mg/m^3)	VOCs (ppm)	Location	Particulates (mg/m^3)	VOCs (ppm)	Location	Particulates (mg/m^3)	VOCs (ppm)	VOCs (ppb)	VOCs (ppm)
0815	SW	U-1	0.042	0.0	D-1	0.037	0.1	D-2	0.043	0.0	0	
0830			0.044			0.033	0.1		0.038			
0845			0.048			0.038	0.1		0.042			
0900			0.042			0.041	0.2		0.044			
0915			0.042			0.051	0.2		0.041			
0930			0.048			0.055	0.1		0.042			
0945			0.038			0.043	0.2		0.048			
1000			0.028			0.041	0.1		0.043			
1015			0.031			0.044	0.1		0.038			
1030			0.029			0.058	0.2		0.037		↓	
1045			0.036			0.032	0.1		0.042		5	
1100			0.038			0.044	0.2		0.041		12	
1115			0.036			0.038	0.2		0.058		3	
1130			0.045			0.031	0.2		0.037		1	
1145			0.048			0.055	0.1		0.044		0	
LUNCH 12-1300												
1315			0.051			0.046	0.1		0.043		0	
1330			0.050			0.061	0.1		0.038		0	
1345			0.041			0.052	0.2		0.051		0	
1400			0.036			0.039	0.1		0.044		0	
1415			0.028			0.041	0.1		0.042		0	
1430			0.045			0.061	0.2		0.051		0	
1445	↓	↓	0.031	↓	↓	0.038	0.1	↓	0.038	↓	0	

Calibration - TSI DustTrak Model 8520 Particulate Meter

Time	Serial Number	With Zero Air Filter	Background	Location	Background	Location
0800	8530114033	0 mg/m³	mg/m³		mg/m³	U-1
0800		0 mg/m3	mg/m3		mg/m3	D-1
0800	8530114002	0 mg/m³	mg/m³		mg/m³	D-2

Calibration - Photolonization Detector

Time	Model	Serial Number	Zero (Ambient) Air	Zero (Ambient) Air	Location
0805	MiniRae 3000	592-906603	0 ppm	ppm	U-1
0805	↓		0 ppm	ppm	D-1
0805	↓	592-906602	0 ppm	ppm	D-2
			ppm	ppm	

Notes/Activities: Remove remaining slab of stairs in contact w/ impacted. Place slab w/ concrete. Begin Ripping Rock beneath stairs. Heavy sheen & some Product. Additional Product released
Collect AOC1-CS-6 & 7 from beneath ~~the~~ Northern & western sides of where stairs were

See map on back for location information.

Interim Remedial Measure - BCP Site #C828159, 690 St. Paul St., Rochester, NY
Daily Community Air Monitoring Log
Particulate and VOC Monitoring
Date: 12/2/2011

Time	Wind Direction	Upwind			Downwind			Downwind			Nearest Potential Receptor	Work Zone
		Location	Particulates (mg/m^3)	VOCs (ppm)	Location	Particulates (mg/m^3)	VOCs (ppm)	Location	Particulates (mg/m^3)	VOCs (ppm)	VOCs (ppb)	VOCs (ppm)
0830	SW	U-1	0.031	0.0	D-1	0.033	0.1	D-2	0.028	0.0	30	
0845			0.038			0.042	0.2		0.031		36	
0900			0.042			0.044	0.1		0.037		45	
0915			Bkn Hrly Disc			0.041	0.2		Bkn Hrly Disc		120	
0930						0.038	0.1				80	
0945						0.033	0.1				70	
1000						Bkn Hrly Disc	0.1				61	
1015							0.1				31	
1030							0.2				12	
1045							0.2				2	
1100							0.1				1	
1115							0.1				2	
1130							0.2				3	
1145							0.2				0	
12							0.2				0	
1330							0.2				0	
1345							0.1				0	
1400							0.0				0	
1415							0.0				0	
1430							0.1				0	
1445							0.1				0	

Lunch 1145-1315

Calibration - TSI DustTrak Model 8520 Particulate Meter

Time	Serial Number	With Zero Air Filter	Background	Location	Background	Location
0815		mg/m^3	mg/m^3		mg/m^3	
↓		mg/m3	mg/m3		mg/m3	
10		mg/m^3	mg/m^3		mg/m^3	

Calibration - Photoionization Detector

Time	Model	Serial Number	Zero (Ambient) Air	Zero (Ambient) Air	Location
0820			ppm	ppm	
↓			ppm	ppm	
			ppm	ppm	
			ppm	ppm	

Notes/Activities: 0800 - Begin discharging Frac Tanks (MCPW Permit issued yesterday) DPN collects sample of Product in excavation. then deploys sorbent Pads to remove Product prior to ~~discharge~~ Pumping into Tanks (once emptied). Discharge 1st tank begin 2nd Collect Sample AOC1-CS-8 (North Side wall) & AOC1-CS-9 (Eastern Sidewall) These collected after removing additional Soil Due to Failures for VOCs (E sidewall) & SVOCs (N sidewall) in CS-4 & CS-3 Do a TP into Rock in NE Corner of excavation. Little Sheen During Rock rip but No product. Encounter ~3-4" steel pipe. Take PPB Rae to pipe end ~211 ppb No odors

Note: Dust Track Batteries Began to Die but due Rain Dust Not an issue

See map on back for location information.

Interim Remedial Measure - BCP Site #C828159, 690 St. Paul St., Rochester, NY
Daily Community Air Monitoring Log
Particulate and VOC Monitoring
Date: 12/5/11

Time	Wind Direction	Upwind			Downwind			Downwind			Nearest Potential Receptor	Work Zone
		Location	Particulates (mg/m^3)	VOCs (ppm)	Location	Particulates (mg/m^3)	VOCs (ppm)	Location	Particulates (mg/m^3)	VOCs (ppm)	VOCs (ppb)	VOCs (ppm)
0830			0.011	0		0.038	0		0.041	0.1		
0845			0.009	0.1		0.042	0.1		0.031	0.1		
0900			0.008	0		0.029	0.1		0.057	0		
0915			0.015	0		0.057	0.1		0.044	0		
0930			0.016	0		0.037	0.1		0.048	0		
1000			0.017	0		0.049	0		0.047	0.2		
1015			0.009	0		0.041	0.2		0.057	0		
1030			0.011	0		0.039	0		0.066	0.2		
1045		~~0.007~~	0.007	0.2		0.061	0		0.053	0		
1100			0.012	0		0.072	0		0.071	0		
1115			0.006	0.1		0.058	0.1		0.042	0.1		
1130			0.005	0		0.042	0.1		0.051	0		
1145			0.011	0		0.053	0		0.061	0.1		
1200			0.019	0		0.036	0		0.068	0		
1230			0.013	0		0.058	0.1		0.042	0.3		
1245			0.011	0.2		0.041	0.1		0.031	0.2		
1300			0.008	0		0.031	0.3		0.061	0		
1315			0.006	0		0.066	0.3		0.065	0.1		
1330			0.009	0		0.042	0.2		0.047	0		
1345			0.017	0		0.059	0.1		0.051	0		
1400			0.007	0.1		0.061	0.1		0.062	0.2		
1415			0.015	0		0.052	0.1		0.054	0.2		
1430			0.029	0		0.048	0.2		0.057	0		
~~1445~~						~~0~~	~~0~~					

Calibration - TSI DustTrak Model 8520 Particulate Meter

Time	Serial Number	With Zero Air Filter	Background	Location	Background	Location
		mg/m^3	mg/m^3		mg/m^3	
		mg/m3	mg/m3		mg/m3	
		mg/m^3	mg/m^3		mg/m^3	

Calibration - Photolonization Detector

Time	Model	Serial Number	Zero (Ambient) Air	Zero (Ambient) Air	Location
			ppm	ppm	
			ppm	ppm	
			ppm	ppm	
			ppm	ppm	

Notes/Activities:

See map on back for location information.

Interim Remedial Measure - BCP Site #C828159, 690 St. Paul St., Rochester, NY
Daily Community Air Monitoring Log
Particulate and VOC Monitoring
Date: 12/7/2011

1 of 1

Time	Wind Direction	Upwind			Downwind 1 nearest receptor			Downwind 2			D.J. Nearest Potential Receptor	Work Zone
		Location	Particulates (mg/m3)	VOCs (ppm)	Location	Particulates (mg/m3)	VOCs (ppm)	Location	Particulates (mg/m3)	VOCs (ppm)	VOCs (ppb)	VOCs (ppm)
8:30			0.005	0		0.017	0		0.017	0	0	
8:45			0.005	0		0.018	0		0.021	0	0	
9:00			0.007	0		0.028	0.1		0.026	0.1	0	
9:15			0.009	0		0.029	0.2		0.030	0.1	0	
9:30			0.010	0		0.031	0.2		0.032	0.1	0	0.2
9:45			0.007	0		0.029	0.2		0.030	0.1	0	
10:00			0.005	0		0.028	0.2		0.026	0.1	0	
10:15			0.001	0		0.017	0.2		0.019	0.1	0	
10:30			0.005	0		0.020	0.2				0	
10:45			0.007	0		0.047	0.2		0.030	0.1	0	
11:00			0.006	0		0.34	0.2		0.026	0.1	0	
11:15			0.004	0		0.30	0.3		0.024	0.1	0	
11:30			0.005	0		0.33	0.3		0.023	0.1	7.0	0.3
11:45			0.007	0		0.38	0.3					
12:00			0.005	0		0.40	0.3				12.0	0.3
12:15			L			L			L			
12:30			L			L			L			
12:45			L			L			L			
1300			0.005	0		0.024	0.2		0.020	0.1	24.0	
13:15			0.005	0		0.032	0.2		0.027	0.1	20.0	
13:30			0.007	0		0.028	0.2		0.026	0.1	23.0	
1345			0.007	0		0.027	0.2		0.025	0.1	16.0	
14:00			0.005	0		0.027	0.2		0.023	0.1	26.0	
14:15			0.007	0		0.026	0.2		0.022	0.1	20.0	
14:30			0.006	0		0.023	0.2		0.023	0	23.0	
14:45			0.005	0		0.024	0.2		0.020	0	26.0	
15:00			0.006	0		0.024	0.2		0.022	0	20.0	

Calibration - TSI DustTrak Model 8520 Particulate Meter

Time	Serial Number	With Zero Air Filter	Background	Location	Background	Location
		mg/m3	mg/m3		mg/m3	
		mg/m3	mg/m3		mg/m3	
		mg/m3	mg/m3		mg/m3	

Calibration - Photoionization Detector

Time	Model	Serial Number	Zero (Ambient) Air	Zero (Ambient) Air	Location
			ppm	ppm	
			ppm	ppm	
			ppm	ppm	
			ppm	ppm	

Notes/Activities:

See map on back for location information.

Interim Remedial Measure - BCP Site #C828159, 690 St. Paul St., Rochester, NY
Daily Community Air Monitoring Log
Particulate and VOC Monitoring
Date: 12/8/11

Time	Wind Direction	Upwind			Downwind			Downwind			Nearest Potential Receptor	Work Zone
		Location	Particulates (mg/m^3)	VOCs (ppm)	Location	Particulates (mg/m^3)	VOCs (ppm)	Location	Particulates (mg/m^3)	VOCs (ppm)	VOCs (ppb)	VOCs (ppm)
0850			0.005	0		0.049	0		0.038	0		
0845			0.009	0		0.052	0		0.036	0		
0900			0.003	0		0.028	0		0.029	0		
0915			0.007	0		0.033	0		0.031	0		
0930			0.006	0		0.035	0		0.027	0		
0945			0.005	0		0.031	0		0.032	0		
1000 1030			0.006	0		0.028	0		0.028	0		
1030			0.006	0		0.027	0		0.021	0.2		
1045			0.005	0		0.032	0		0.031	0.1		
1100			0.006	0		0.030	0		0.029	0.2		
1115			0.005	0		0.041	0		0.037	0.2		
1130			0.005	0		0.028	0		0.031	0.2		
1145			0.005	0		0.023	0		0.025	0.2		
1200			0.006	0		0.031	0		0.029	0.2		
1230			0.005	0		0.027	0		0.037	0.1		
1300			0.004	0		0.041	0		0.041	0.2		
1315			0.005	0		0.036	0		0.032	0.2		
1330			0.003	0		0.043	0		0.051	0.2		
1400			0.004	0		0.037	0		0.047	0.2		
1415			0.003	0		0.029	0		0.054	0.2		
1430			0.004	0		0.029	0		0.040.051	0.2		
1445			0.002	0		0.021	0		0.018	0.2		
1500			0.003	0					0.017	0.2		

Calibration - TSI DustTrak Model 8520 Particulate Meter						
Time	Serial Number	With Zero Air Filter	Background	Location	Background	Location
		mg/m^3	mg/m^3		mg/m^3	
		mg/m3	mg/m3		mg/m3	
		mg/m^3	mg/m^3		mg/m^3	

Calibration - Photolonization Detector					
Time	Model	Serial Number	Zero (Ambient) Air	Zero (Ambient) Air	Location
			ppm	ppm	
			ppm	ppm	
			ppm	ppm	
			ppm	ppm	

Notes/Activities:

See map on back for location information.

Interim Remedial Measure - BCP Site #C828159, 690 St. Paul St., Rochester, NY

Daily Community Air Monitoring Log

Particulate and VOC Monitoring

Date: 12/8/11 12/9/11

D2 (corner)

Time	Wind Direction	Upwind			Downwind D1			Nearest Potential Receptor	Work Zone
		Location	Particulates (mg/m³)	VOCs (ppm)	Location	Particulates (mg/m³)	VOCs (ppm)	VOCs D2 (ppb)	VOCs (ppm)
0845			0.006	0		0.048	0	0.048	0
0900			BATTERY	0		0.034	0.1	0.094	0
0915			DEAD	0		0.010	0.1	0.052	0
0930				0		0.014	0.1	0.061	0
0945				0		0.015	0.1	0.071	0
1000				0		0.031	0.1	0.063	0
1015				0		0.017	0	0.068	0
1030				0		0.014	0	0.064	0
1045				0		0.016	0	0.067	0
1100				0		0.022	0	0.083	0
1115				0		0.021	0	0.081	0
1130				0		0.017	0	0.061	0
1145				0		0.018	0	0.062	0
1200				0		0.024	0	0.057	0
1230				0		0.027	0	0.069	0
1245				0		0.031	0	0.072	0
1300				0	0.036 →	0.036	0	0.060	0
1315				0		0.022	0	0.062	0
1330				0		0.028	0	0.068	0
1345				0		0.024	0	0.052	0
1400				0		0.021	0	0.057	
1415				0		0.019	0	0.045	0
1430								0.053	0

Calibration - TSI DustTrak Model 8520 Particulate Meter

Time	Serial Number	With Zero Air Filter	Background	Location
		mg/m³	mg/m³	
		mg/m³	mg/m³	

Calibration - Photoionization Detector

Time	Model	Serial Number	Zero (Ambient) Air	Location
			ppm	
			ppm	
			ppm	

Notes/Activities:

See map on back for location information.

Interim Remedial Measure - BCP Site #C828159, 690 St. Paul St., Rochester, NY
Daily Community Air Monitoring Log
Particulate and VOC Monitoring
Date: 12-14-2011

Time	Wind Direction	Upwind			Downwind			Nearest Potential Receptor	Work Zone
		@ Door Location ~~Upwind~~	Particulates (mg/m^3)	VOCs (ppm)	Downwind Location ~~Dow~~	Particulates (mg/m^3)	VOCs (ppm)	VOCs (ppb)	VOCs (ppm)
0645	WNW	CAMP #1	0.085	0.0	CAMP #2	0.085	0.0	0	0
0700	"		0.091	0.37		0.095	0.0		
0715	"		0.098	0.39		0.105	0.0		
0730	"		0.108	0.44		0.106	0.0		
0745	"		0.110	0		0.117	0.0		
0800	"		0.103	0		0.116	0.0		
0815	"		.099	0		0.095	0.0		
0830	"		0.090	0		0.095	0		
0845	"		0.084	0		0.085	0		
0900	"		0.081	0		0.088	0		
0915	"		0.083	0		0.092	0		
0930	"		0.080	0		0.087	0		
0945	"		0.077	0		0.082	0		
@ 1000	"		0.083	0		0.083	0		
1015	"		0.092	0.08		0.087	0		
1030	"		0.084	0.16		0.088	0		
1045	"		0.082	0.18		0.087	0		
1100	"		0.094	0.11		0.102	0		
1115	"		0.094	0.10		0.101	0		
1130	"		0.095	0.12		0.104	0		
1145	"		0.092	0.12		0.089	0		
1200	"		0.090	0.08		0.087	0		
1230	"		0.094	0.13		0.088	0		
1245	"		0.090	0.11		0.092	0		

Calibration - TSI DustTrak Model 8520 Particulate Meter

Time	Serial Number	With Zero Air Filter		Background		Location
1300	"	0.085	~~mg/m³~~ 0.13	~~mg/m³~~	0	
1315	"	0.091	~~mg/m³~~ 0.10	~~mg/m³~~	0	

Calibration - Photoionization Detector

Time	Model	Serial Number		Zero (Ambient) Air		Location
1330	"	0.101	0.20	0.085	0 ppm	
1345	"	0.086	0.21	0.093	0 ppm	
1400		0.087	0.20	0.091	0 ppm	
1415	"	0.106	0.43	0.085	0	
1430	"	0.100	0.47	0.084	0	
1445	"	0.099	0.53	0.089	0	

Notes/Activities:

southern corner of exc. ↓deepest zone in shallow exc.
↳ Bottom of exc. @ 8' below concrete
Top of bedrock @ 4' " "

See map on back for location information.

Interim Remedial Measure - BCP Site #C828159, 690 St. Paul St., Rochester, NY
Daily Community Air Monitoring Log
Particulate and VOC Monitoring
Date: 12/15/11

Time	Wind Direction	Upwind			Downwind D1			Downwind D2			Nearest Potential Receptor	Work Zone
		Location	Particulates (mg/m^3)	VOCs (ppm)	Location	Particulates (mg/m^3)	VOCs (ppm)	Location	Particulates (mg/m^3)	VOCs (ppm)	VOCs (ppb)	VOCs (ppm)
0645				0		0.023	0		0.043	0.075		
0700				0.1		0.028	0.1		0.041	0.109		
0715				0.1		0.029	0.1		0.029	0.109		
0745				0		0.022	0		0.021	0.052		
0800				0		0.024	0		0.031	0.069		
0815				0		0.028	0		0.028	0.048		
0830				0		0.025	0		0.022	0		
0845				0		0.025	0		0.026	0		
0900				0		0.024	0		0.025	0		
0930				0		0.028	0		0.031	0		
0945						0.024	0		0.021	0		
1000						0.021	0		0.029	0		
1015						0.019	0		0.023	0		
1030						0.025	0		0.037	0		
1045						0.026	0		0.031	0		
1100						0.025	0		0.028	0		
1115						0.024	0		0.032	0		
1130						0.021	0		0.024	0		
1145						0.029	0		0.017	0		
1200						0.018	0		0.025	0		
1245						0.027	0		0.023	0		
1300						0.022	0		0.020	0		
1315						0.017	0		0.017	0		
1345						0.018	0		0.021	0		
1400						0.016	0		0.027	0		
1430						0.028	0		0.031	0		
1445						0.022	0		0.026	0		
1500						0.017	0		0.018	0		

Calibration - TSI DustTrak Model 8520 Particulate Meter

Time	Serial Number	With Zero Air Filter	Background	Location	Background	Location
		mg/m^3	mg/m^3		mg/m^3	
		mg/m3	mg/m3		mg/m3	
		mg/m^3	mg/m^3		mg/m^3	

Calibration - Photolonization Detector

Time	Model	Serial Number	Zero (Ambient) Air	Zero (Ambient) Air	Location
			ppm	ppm	
			ppm	ppm	
			ppm	ppm	
			ppm	ppm	

Notes/Activities:

See map on back for location information.

From: Dave Stiles
To: Gillen, Jennifer;
Subject: RE: PPM Minirae Data Logging
Date: Friday, July 20, 2012 2:21:04 PM

Jen,

All I've gotten out of RAE so far is that there is a bug in the firmware or software that they are aware of and working on that sometimes causes momentary extremely erroneous datapoints.

I've asked them to give me something a little more specific in writing.

Have a nice weekend.

Dave

From: Gillen, Jennifer [mailto:jgillen@LaBellaPC.com]
Sent: Monday, July 16, 2012 4:33 PM
To: Dave Stiles
Subject: RE: PPM Minirae Data Logging

Hi Dave,

Have you heard anything back from RAE on this issue?

Thanks,
Jen

Jennifer Gillen, MS
LaBella Associates, P.C.
Direct: 585-295-6648

From: Dave Stiles [mailto:dstiles@eco-rentalsolutions.com]
Sent: Thursday, July 05, 2012 2:07 PM
To: Gillen, Jennifer
Subject: RE: PPM Minirae Data Logging

Jen,

I have a request for help with this in to RAE.

It looks like there were a few hits around 5 or 10 ppm and as high as 87 ppm, that appear valid, but could have just been a truck driving by or something?

The really high ones do not appear possible as they are well outside the range of the instrument.

I'll let you know what I can find out.

Dave

From: Gillen, Jennifer [mailto:jgillen@LaBellaPC.com]
Sent: Thursday, July 05, 2012 12:49 PM
To: Dave Stiles
Subject: PPM Minirae Data Logging

Hi Dave,

Attached is an extract of the data report. You can see some of the numbers seem erroneous high. These samples would have been collected a good 20 feet from the excavation area, so I would be surprised if anything came up above 0.0 PPM. I just need to figure out a more specific explanation for the DEC than inaccurate data due to the instrument.

Thanks,
Jen

Jennifer Gillen
Environmental Geologist
LaBella Associates, PC
300 State St
Rochester, NY 14614
585.295.6648

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11/11/11 15:00

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Summary

Unit Name	ppbRAE 3000
Unit SN	594-902180
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	00000001

Begin	2011/11/11 15:00:00
End	2011/11/11 15:00:10
Sample Period(s)	900
Number of Records	0

Sensor	VOC(ppb)
Span	10000
Span H	N/A
Low Alarm	10000
High Alarm	25000
Over Alarm	10000000
STEL Alarm	2000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/08 10:37

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Datalog

0 record.

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11/11/14 08:21

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Summary

Unit Name	ppbRAE 3000
Unit SN	594-902180
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	00000001

Begin	2011/11/14 08:21:02
End	2011/11/14 15:03:58
Sample Period(s)	900
Number of Records	26

Sensor	VOC(ppb)
Span	10000
Span H	N/A
Low Alarm	10000
High Alarm	25000
Over Alarm	10000000
STEL Alarm	2000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/08 10:37
Peak	10
Valley	0
Average	0

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Datalog

Index	Date/Time	VOC(ppb)(Avg)
001	2011/11/14 08:36:02	10
002	2011/11/14 08:51:02	2
003	2011/11/14 09:06:02	0
004	2011/11/14 09:21:02	0
005	2011/11/14 09:36:02	0
006	2011/11/14 09:51:02	0
007	2011/11/14 10:06:02	0
008	2011/11/14 10:21:02	0
009	2011/11/14 10:36:02	0
010	2011/11/14 10:51:02	0
011	2011/11/14 11:06:02	0
012	2011/11/14 11:21:02	0
013	2011/11/14 11:36:02	0
014	2011/11/14 11:51:02	0
015	2011/11/14 12:06:02	0
016	2011/11/14 12:21:02	0
017	2011/11/14 12:36:02	0
018	2011/11/14 12:51:02	0
019	2011/11/14 13:06:02	0
020	2011/11/14 13:21:02	0
021	2011/11/14 13:36:02	0
022	2011/11/14 13:51:02	0
023	2011/11/14 14:06:02	0
024	2011/11/14 14:21:02	0
025	2011/11/14 14:36:02	0
026	2011/11/14 14:51:02	0

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TWA/STEL

Index	Date/Time	VOC(ppb)(TWA)	VOC(ppb)(STEL)
001	2011/11/14 08:36:02	0	10
002	2011/11/14 08:51:02	0	2
003	2011/11/14 09:06:02	0	0
004	2011/11/14 09:21:02	0	0
005	2011/11/14 09:36:02	0	0
006	2011/11/14 09:51:02	0	0
007	2011/11/14 10:06:02	0	0
008	2011/11/14 10:21:02	0	0
009	2011/11/14 10:36:02	0	0
010	2011/11/14 10:51:02	0	0
011	2011/11/14 11:06:02	0	0
012	2011/11/14 11:21:02	0	0
013	2011/11/14 11:36:02	0	0
014	2011/11/14 11:51:02	0	0
015	2011/11/14 12:06:02	0	0
016	2011/11/14 12:21:02	0	0

017	2011/11/14 12:36:02	0	0
018	2011/11/14 12:51:02	0	0
019	2011/11/14 13:06:02	0	0
020	2011/11/14 13:21:02	0	0
021	2011/11/14 13:36:02	0	0
022	2011/11/14 13:51:02	0	0
023	2011/11/14 14:06:02	0	0
024	2011/11/14 14:21:02	0	0
025	2011/11/14 14:36:02	0	0
026	2011/11/14 14:51:02	0	0

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11/11/15 08:16

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Summary

Unit Name	ppbRAE 3000
Unit SN	594-902180
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	00000001

Begin	2011/11/15 08:16:55
End	2011/11/15 15:39:53
Sample Period(s)	900
Number of Records	29

Sensor	VOC(ppb)
Span	10000
Span H	N/A
Low Alarm	10000
High Alarm	25000
Over Alarm	10000000
STEL Alarm	2000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/08 10:37
Peak	81
Valley	0
Average	20

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Datalog

Index	Date/Time	VOC(ppb)(Avg)
001	2011/11/15 08:31:55	0
002	2011/11/15 08:46:55	0
003	2011/11/15 09:01:55	0
004	2011/11/15 09:16:55	0
005	2011/11/15 09:31:55	0
006	2011/11/15 09:46:55	0
007	2011/11/15 10:01:55	0
008	2011/11/15 10:16:55	0
009	2011/11/15 10:31:55	12
010	2011/11/15 10:46:55	0
011	2011/11/15 11:01:55	4

012	2011/11/15 11:16:55	3
013	2011/11/15 11:31:55	9
014	2011/11/15 11:46:55	1
015	2011/11/15 12:01:55	7
016	2011/11/15 12:16:55	0
017	2011/11/15 12:31:55	0
018	2011/11/15 12:46:55	7
019	2011/11/15 13:01:55	51
020	2011/11/15 13:16:55	67
021	2011/11/15 13:31:55	31
022	2011/11/15 13:46:55	43
023	2011/11/15 14:01:55	57
024	2011/11/15 14:16:55	33
025	2011/11/15 14:31:55	25
026	2011/11/15 14:46:55	81
027	2011/11/15 15:01:55	53
028	2011/11/15 15:16:55	54
029	2011/11/15 15:31:55	36

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TWA/STEL

Index	Date/Time	VOC(ppb)(TWA)	VOC(ppb)(STEL)
001	2011/11/15 08:31:55	0	0
002	2011/11/15 08:46:55	0	0
003	2011/11/15 09:01:55	0	0
004	2011/11/15 09:16:55	0	0
005	2011/11/15 09:31:55	0	0
006	2011/11/15 09:46:55	0	0
007	2011/11/15 10:01:55	0	0
008	2011/11/15 10:16:55	0	0
009	2011/11/15 10:31:55	0	12
010	2011/11/15 10:46:55	0	0
011	2011/11/15 11:01:55	1	4
012	2011/11/15 11:16:55	1	3
013	2011/11/15 11:31:55	1	9
014	2011/11/15 11:46:55	1	1
015	2011/11/15 12:01:55	1	7
016	2011/11/15 12:16:55	1	0
017	2011/11/15 12:31:55	1	0
018	2011/11/15 12:46:55	1	7
019	2011/11/15 13:01:55	3	51
020	2011/11/15 13:16:55	5	67
021	2011/11/15 13:31:55	6	31
022	2011/11/15 13:46:55	7	43
023	2011/11/15 14:01:55	9	57
024	2011/11/15 14:16:55	10	33
025	2011/11/15 14:31:55	11	25
026	2011/11/15 14:46:55	13	81
027	2011/11/15 15:01:55	15	53
028	2011/11/15 15:16:55	17	54
029	2011/11/15 15:31:55	18	36

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11/11/16 09:05

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Summary

Unit Name	ppbRAE 3000
Unit SN	594-902180
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg

Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	00000001

Begin	2011/11/16 09:05:49
End	2011/11/16 15:35:56
Sample Period(s)	900
Number of Records	26

Sensor	VOC(ppb)
Span	10000
Span H	N/A
Low Alarm	10000
High Alarm	25000
Over Alarm	10000000
STEL Alarm	2000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/08 10:37
Peak	41
Valley	0
Average	3

****

Datalog

Index	Date/Time	VOC(ppb)(Avg)
001	2011/11/16 09:20:49	0
002	2011/11/16 09:35:49	0
003	2011/11/16 09:50:49	0
004	2011/11/16 10:05:49	0
005	2011/11/16 10:20:49	0
006	2011/11/16 10:35:49	0
007	2011/11/16 10:50:49	41
008	2011/11/16 11:05:49	9
009	2011/11/16 11:20:49	4
010	2011/11/16 11:35:49	0
011	2011/11/16 11:50:49	0
012	2011/11/16 12:05:49	0
013	2011/11/16 12:20:49	0
014	2011/11/16 12:35:49	0
015	2011/11/16 12:50:49	0
016	2011/11/16 13:05:49	0
017	2011/11/16 13:20:49	0
018	2011/11/16 13:35:49	0
019	2011/11/16 13:50:49	1
020	2011/11/16 14:05:49	5
021	2011/11/16 14:20:49	2
022	2011/11/16 14:35:49	0
023	2011/11/16 14:50:49	1
024	2011/11/16 15:05:49	5
025	2011/11/16 15:20:49	4
026	2011/11/16 15:35:49	8

****

TWA/STEL

Index	Date/Time	VOC(ppb)(TWA)	VOC(ppb)(STEL)
001	2011/11/16 09:20:49	0	0
002	2011/11/16 09:35:49	0	0
003	2011/11/16 09:50:49	0	0

004	2011/11/16 10:05:49	0	0
005	2011/11/16 10:20:49	0	0
006	2011/11/16 10:35:49	0	0
007	2011/11/16 10:50:49	1	41
008	2011/11/16 11:05:49	2	9
009	2011/11/16 11:20:49	2	4
010	2011/11/16 11:35:49	2	0
011	2011/11/16 11:50:49	2	0
012	2011/11/16 12:05:49	2	0
013	2011/11/16 12:20:49	2	0
014	2011/11/16 12:35:49	2	0
015	2011/11/16 12:50:49	2	0
016	2011/11/16 13:05:49	2	0
017	2011/11/16 13:20:49	2	0
018	2011/11/16 13:35:49	2	0
019	2011/11/16 13:50:49	2	1
020	2011/11/16 14:05:49	2	5
021	2011/11/16 14:20:49	2	2
022	2011/11/16 14:35:49	2	0
023	2011/11/16 14:50:49	2	1
024	2011/11/16 15:05:49	2	5
025	2011/11/16 15:20:49	2	4
026	2011/11/16 15:35:49	3	8

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11/11/17 09:31

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Summary

Unit Name	ppbRAE 3000
Unit SN	594-902180
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	00000001

Begin	2011/11/17 09:31:29
End	2011/11/17 15:25:04
Sample Period(s)	900
Number of Records	23

Sensor	VOC(ppb)
Span	10000
Span H	N/A
Low Alarm	10000
High Alarm	25000
Over Alarm	10000000
STEL Alarm	2000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/08 10:37
Peak	40
Valley	0
Average	9

****

Datalog

Index	Date/Time	VOC(ppb)(Avg)
001	2011/11/17 09:46:29	0
002	2011/11/17 10:01:29	0
003	2011/11/17 10:16:29	2
004	2011/11/17 10:31:29	0
005	2011/11/17 10:46:29	2
006	2011/11/17 11:01:29	9
007	2011/11/17 11:16:29	4
008	2011/11/17 11:31:29	12
009	2011/11/17 11:46:29	4
010	2011/11/17 12:01:29	3
011	2011/11/17 12:16:29	6
012	2011/11/17 12:31:29	3
013	2011/11/17 12:46:29	6
014	2011/11/17 13:01:29	17
015	2011/11/17 13:16:29	12
016	2011/11/17 13:31:29	11
017	2011/11/17 13:46:29	13
018	2011/11/17 14:01:29	5
019	2011/11/17 14:16:29	9
020	2011/11/17 14:31:29	9
021	2011/11/17 14:46:29	14
022	2011/11/17 15:01:29	40
023	2011/11/17 15:16:29	21

****

TWA/STEL

Index	Date/Time	VOC(ppb)(TWA)	VOC(ppb)(STEL)
001	2011/11/17 09:46:29	0	0
002	2011/11/17 10:01:29	0	0
003	2011/11/17 10:16:29	0	2
004	2011/11/17 10:31:29	0	0
005	2011/11/17 10:46:29	0	2
006	2011/11/17 11:01:29	0	9
007	2011/11/17 11:16:29	1	4
008	2011/11/17 11:31:29	1	12
009	2011/11/17 11:46:29	1	4
010	2011/11/17 12:01:29	1	3
011	2011/11/17 12:16:29	1	6
012	2011/11/17 12:31:29	1	3
013	2011/11/17 12:46:29	2	6
014	2011/11/17 13:01:29	2	17
015	2011/11/17 13:16:29	3	12
016	2011/11/17 13:31:29	3	11
017	2011/11/17 13:46:29	3	13
018	2011/11/17 14:01:29	3	5
019	2011/11/17 14:16:29	4	9
020	2011/11/17 14:31:29	4	9
021	2011/11/17 14:46:29	4	14
022	2011/11/17 15:01:29	6	40
023	2011/11/17 15:16:29	6	21

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11/11/18 08:26

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Summary

Unit Name	ppbRAE 3000
Unit SN	594-902180
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode

Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	00000001

Begin	2011/11/18 08:26:50
End	2011/11/18 09:49:09
Sample Period(s)	900
Number of Records	5

Sensor	VOC(ppb)
Span	10000
Span H	N/A
Low Alarm	10000
High Alarm	25000
Over Alarm	10000000
STEL Alarm	2000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/08 10:37
Peak	2
Valley	0
Average	1

****

Datalog

Index	Date/Time	VOC(ppb)(Avg)
001	2011/11/18 08:41:50	0
002	2011/11/18 08:56:50	0
003	2011/11/18 09:11:50	2
004	2011/11/18 09:26:50	1
005	2011/11/18 09:41:50	0

****

TWA/STEL

Index	Date/Time	VOC(ppb)(TWA)	VOC(ppb)(STEL)
001	2011/11/18 08:41:50	0	0
002	2011/11/18 08:56:50	0	0
003	2011/11/18 09:11:50	0	2
004	2011/11/18 09:26:50	0	1
005	2011/11/18 09:41:50	0	0

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11/11/20 16:06

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Summary

Unit Name	ppbRAE 3000
Unit SN	594-902180
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000

User ID	00000001

Begin	2011/11/20 16:06:40
End	2011/11/20 16:11:11
Sample Period(s)	900
Number of Records	0

Sensor	VOC(ppb)
Span	10000
Span H	N/A
Low Alarm	10000
High Alarm	25000
Over Alarm	10000000
STEL Alarm	2000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/08 10:37

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Datalog
0 record.

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11/11/20 17:09

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Summary

Unit Name	ppbRAE 3000
Unit SN	594-902180
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Pause in Communication Mode

Site ID	RAE00000
User ID	00000001

Begin	2011/11/20 17:09:35
End	2011/11/20 17:09:53
Sample Period(s)	900
Number of Records	0

Sensor	VOC(ppb)
Span	10000
Span H	N/A
Low Alarm	10000
High Alarm	25000
Over Alarm	10000000
STEL Alarm	2000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/08 10:37

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Datalog
0 record.

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11/11/20 17:22

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Summary

Unit Name	ppbRAE 3000
Unit SN	594-902180
Unit Firmware Ver	V1.10A
Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Pause in Communication Mode
Site ID	RAE00000
User ID	00000001
Begin	2011/11/20 17:22:35
End	2011/11/20 17:22:59
Sample Period(s)	900
Number of Records	0
Sensor	VOC(ppb)
Span	10000
Span H	N/A
Low Alarm	10000
High Alarm	25000
Over Alarm	10000000
STEL Alarm	2000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/08 10:37

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Datalog

0 record.

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11/11/20 17:24

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Summary

Unit Name	ppbRAE 3000
Unit SN	594-902180
Unit Firmware Ver	V1.10A
Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Pause in Communication Mode
Site ID	RAE00000
User ID	00000001
Begin	2011/11/20 17:24:44
End	2011/11/20 17:28:50
Sample Period(s)	900
Number of Records	0
Sensor	VOC(ppb)
Span	10000

Span H	N/A
Low Alarm	10000
High Alarm	25000
Over Alarm	10000000
STEL Alarm	2000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/08 10:37

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Datalog
0 record.

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11/11/20 17:29

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Summary

Unit Name	ppbRAE 3000
Unit SN	594-902180
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Pause in Menu Mode

Site ID	RAE00000
User ID	00000001

Begin	2011/11/20 17:29:01
End	2011/11/20 17:29:12
Sample Period(s)	900
Number of Records	0

Sensor	VOC(ppb)
Span	10000
Span H	N/A
Low Alarm	10000
High Alarm	25000
Over Alarm	10000000
STEL Alarm	2000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/08 10:37

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Datalog
0 record.

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11/11/20 17:29

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Summary

Unit Name	ppbRAE 3000
Unit SN	594-902180
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg

Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	RAE00000
User ID	00000001
Begin	2011/11/20 17:29:55
End	2011/11/20 17:30:47
Sample Period(s)	900
Number of Records	0
Sensor	VOC(ppb)
Span	10000
Span H	N/A
Low Alarm	10000
High Alarm	25000
Over Alarm	10000000
STEL Alarm	2000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/08 10:37

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Datalog
0 record.

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11/11/22 08:44

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Summary

Unit Name	ppbRAE 3000
Unit SN	594-902180
Unit Firmware Ver	V1.10A
Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Pause in Communication Mode
Site ID	RAE00000
User ID	00000001
Begin	2011/11/22 08:44:41
End	2011/11/22 08:48:20
Sample Period(s)	900
Number of Records	0
Sensor	VOC(ppb)
Span	10000
Span H	N/A
Low Alarm	10000
High Alarm	25000
Over Alarm	10000000
STEL Alarm	2000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/08 10:37

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Datalog
0 record.

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11/11/28 08:22

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Summary

Unit Name	ppbRAE 3000
Unit SN	594-902180
Unit Firmware Ver	V1.10A
Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	RAE00000
User ID	00000001
Begin	2011/11/28 08:22:06
End	2011/11/28 15:00:11
Sample Period(s)	900
Number of Records	26
Sensor	VOC(ppb)
Span	10000
Span H	N/A
Low Alarm	10000
High Alarm	25000
Over Alarm	10000000
STEL Alarm	2000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/08 10:37
Peak	8
Valley	0
Average	0

****

Datalog

Index	Date/Time	VOC(ppb)(Avg)
001	2011/11/28 08:37:06	8
002	2011/11/28 08:52:06	0
003	2011/11/28 09:07:06	0
004	2011/11/28 09:22:06	0
005	2011/11/28 09:37:06	0
006	2011/11/28 09:52:06	0
007	2011/11/28 10:07:06	0
008	2011/11/28 10:22:06	0
009	2011/11/28 10:37:06	0
010	2011/11/28 10:52:06	0
011	2011/11/28 11:07:06	0
012	2011/11/28 11:22:06	0
013	2011/11/28 11:37:06	0
014	2011/11/28 11:52:06	0
015	2011/11/28 12:07:06	0
016	2011/11/28 12:22:06	0
017	2011/11/28 12:37:06	0
018	2011/11/28 12:52:06	0

019	2011/11/28 13:07:06	0
020	2011/11/28 13:22:06	0
021	2011/11/28 13:37:06	0
022	2011/11/28 13:52:06	0
023	2011/11/28 14:07:06	0
024	2011/11/28 14:22:06	0
025	2011/11/28 14:37:06	0
026	2011/11/28 14:52:06	0

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TWA/STEL

Index	Date/Time	VOC(ppb)(TWA)	VOC(ppb)(STEL)
001	2011/11/28 08:37:06	0	8
002	2011/11/28 08:52:06	0	0
003	2011/11/28 09:07:06	0	0
004	2011/11/28 09:22:06	0	0
005	2011/11/28 09:37:06	0	0
006	2011/11/28 09:52:06	0	0
007	2011/11/28 10:07:06	0	0
008	2011/11/28 10:22:06	0	0
009	2011/11/28 10:37:06	0	0
010	2011/11/28 10:52:06	0	0
011	2011/11/28 11:07:06	0	0
012	2011/11/28 11:22:06	0	0
013	2011/11/28 11:37:06	0	0
014	2011/11/28 11:52:06	0	0
015	2011/11/28 12:07:06	0	0
016	2011/11/28 12:22:06	0	0
017	2011/11/28 12:37:06	0	0
018	2011/11/28 12:52:06	0	0
019	2011/11/28 13:07:06	0	0
020	2011/11/28 13:22:06	0	0
021	2011/11/28 13:37:06	0	0
022	2011/11/28 13:52:06	0	0
023	2011/11/28 14:07:06	0	0
024	2011/11/28 14:22:06	0	0
025	2011/11/28 14:37:06	0	0
026	2011/11/28 14:52:06	0	0

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11/11/29 08:39

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Summary

Unit Name	ppbRAE 3000
Unit SN	594-902180
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	00000001

Begin	2011/11/29 08:39:12
End	2011/11/29 15:03:36
Sample Period(s)	900
Number of Records	25

Sensor	VOC(ppb)
Span	10000
Span H	N/A
Low Alarm	10000
High Alarm	25000
Over Alarm	10000000
STEL Alarm	2000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/08 10:37
Peak	427
Valley	0
Average	17

****

Datalog

Index	Date/Time	VOC(ppb)(Avg)
001	2011/11/29 08:54:12	0
002	2011/11/29 09:09:12	0
003	2011/11/29 09:24:12	0
004	2011/11/29 09:39:12	0
005	2011/11/29 09:54:12	0
006	2011/11/29 10:09:12	0
007	2011/11/29 10:24:12	0
008	2011/11/29 10:39:12	0
009	2011/11/29 10:54:12	0
010	2011/11/29 11:09:12	0
011	2011/11/29 11:24:12	0
012	2011/11/29 11:39:12	0
013	2011/11/29 11:54:12	0
014	2011/11/29 12:09:12	0
015	2011/11/29 12:24:12	0
016	2011/11/29 12:39:12	0
017	2011/11/29 12:54:12	0
018	2011/11/29 13:09:12	0
019	2011/11/29 13:24:12	0
020	2011/11/29 13:39:12	427
021	2011/11/29 13:54:12	3
022	2011/11/29 14:09:12	0
023	2011/11/29 14:24:12	0
024	2011/11/29 14:39:12	0
025	2011/11/29 14:54:12	0

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TWA/STEL

Index	Date/Time	VOC(ppb)(TWA)	VOC(ppb)(STEL)
001	2011/11/29 08:54:12	0	0
002	2011/11/29 09:09:12	0	0
003	2011/11/29 09:24:12	0	0
004	2011/11/29 09:39:12	0	0
005	2011/11/29 09:54:12	0	0
006	2011/11/29 10:09:12	0	0
007	2011/11/29 10:24:12	0	0
008	2011/11/29 10:39:12	0	0
009	2011/11/29 10:54:12	0	0
010	2011/11/29 11:09:12	0	0
011	2011/11/29 11:24:12	0	0
012	2011/11/29 11:39:12	0	0
013	2011/11/29 11:54:12	0	0
014	2011/11/29 12:09:12	0	0
015	2011/11/29 12:24:12	0	0
016	2011/11/29 12:39:12	0	0
017	2011/11/29 12:54:12	0	0

018	2011/11/29 13:09:12	0	0
019	2011/11/29 13:24:12	0	0
020	2011/11/29 13:39:12	13	427
021	2011/11/29 13:54:12	13	3
022	2011/11/29 14:09:12	13	0
023	2011/11/29 14:24:12	13	0
024	2011/11/29 14:39:12	13	0
025	2011/11/29 14:54:12	13	0

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11/11/30 10:22

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Summary

Unit Name	ppbRAE 3000
Unit SN	594-902180
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	00000001

Begin	2011/11/30 10:22:43
End	2011/11/30 10:31:06
Sample Period(s)	900
Number of Records	0

Sensor	VOC(ppb)
Span	10000
Span H	N/A
Low Alarm	10000
High Alarm	25000
Over Alarm	10000000
STEL Alarm	2000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/08 10:37

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Datalog

0 record.

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11/12/02 08:30

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Summary

Unit Name	ppbRAE 3000
Unit SN	594-902180
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	00000001
Begin	2011/12/02 08:30:28
End	2011/12/02 15:32:37
Sample Period(s)	900
Number of Records	28
Sensor	VOC(ppb)
Span	10000
Span H	N/A
Low Alarm	10000
High Alarm	25000
Over Alarm	10000000
STEL Alarm	2000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/08 10:37
Peak	33
Valley	0
Average	2

****

Datalog

Index	Date/Time	VOC(ppb)(Avg)
001	2011/12/02 08:45:28	33
002	2011/12/02 09:00:28	4
003	2011/12/02 09:15:28	2
004	2011/12/02 09:30:28	0
005	2011/12/02 09:45:28	0
006	2011/12/02 10:00:28	0
007	2011/12/02 10:15:28	0
008	2011/12/02 10:30:28	0
009	2011/12/02 10:45:28	0
010	2011/12/02 11:00:28	0
011	2011/12/02 11:15:28	0
012	2011/12/02 11:30:28	0
013	2011/12/02 11:45:28	0
014	2011/12/02 12:00:28	0
015	2011/12/02 12:15:28	0
016	2011/12/02 12:30:28	0
017	2011/12/02 12:45:28	0
018	2011/12/02 13:00:28	0
019	2011/12/02 13:15:28	0
020	2011/12/02 13:30:28	0
021	2011/12/02 13:45:28	0
022	2011/12/02 14:00:28	0
023	2011/12/02 14:15:28	0
024	2011/12/02 14:30:28	0
025	2011/12/02 14:45:28	0
026	2011/12/02 15:00:28	0
027	2011/12/02 15:15:28	0
028	2011/12/02 15:30:28	18

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TWA/STEL

Index	Date/Time	VOC(ppb)(TWA)	VOC(ppb)(STEL)
001	2011/12/02 08:45:28	1	33
002	2011/12/02 09:00:28	1	4
003	2011/12/02 09:15:28	1	2
004	2011/12/02 09:30:28	1	0
005	2011/12/02 09:45:28	1	0

006	2011/12/02 10:00:28	1	0
007	2011/12/02 10:15:28	1	0
008	2011/12/02 10:30:28	1	0
009	2011/12/02 10:45:28	1	0
010	2011/12/02 11:00:28	1	0
011	2011/12/02 11:15:28	1	0
012	2011/12/02 11:30:28	1	0
013	2011/12/02 11:45:28	1	0
014	2011/12/02 12:00:28	1	0
015	2011/12/02 12:15:28	1	0
016	2011/12/02 12:30:28	1	0
017	2011/12/02 12:45:28	1	0
018	2011/12/02 13:00:28	1	0
019	2011/12/02 13:15:28	1	0
020	2011/12/02 13:30:28	1	0
021	2011/12/02 13:45:28	1	0
022	2011/12/02 14:00:28	1	0
023	2011/12/02 14:15:28	1	0
024	2011/12/02 14:30:28	1	0
025	2011/12/02 14:45:28	1	0
026	2011/12/02 15:00:28	1	0
027	2011/12/02 15:15:28	1	0
028	2011/12/02 15:30:28	2	18

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11/12/05 08:59

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Summary

Unit Name	ppbRAE 3000
Unit SN	594-902180
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	00000001

Begin	2011/12/05 08:59:14
End	2011/12/05 15:02:25
Sample Period(s)	900
Number of Records	24

Sensor	VOC(ppb)
Span	10000
Span H	N/A
Low Alarm	10000
High Alarm	25000
Over Alarm	10000000
STEL Alarm	2000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/08 10:37
Peak	63
Valley	0
Average	12

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Datalog

Index	Date/Time	VOC(ppb)(Avg)
001	2011/12/05 09:14:14	3
002	2011/12/05 09:29:14	47
003	2011/12/05 09:44:14	63
004	2011/12/05 09:59:14	62
005	2011/12/05 10:14:14	52
006	2011/12/05 10:29:14	34
007	2011/12/05 10:44:14	21
008	2011/12/05 10:59:14	8
009	2011/12/05 11:14:14	0
010	2011/12/05 11:29:14	0
011	2011/12/05 11:44:14	0
012	2011/12/05 11:59:14	0
013	2011/12/05 12:14:14	0
014	2011/12/05 12:29:14	0
015	2011/12/05 12:44:14	0
016	2011/12/05 12:59:14	0
017	2011/12/05 13:14:14	0
018	2011/12/05 13:29:14	0
019	2011/12/05 13:44:14	0
020	2011/12/05 13:59:14	0
021	2011/12/05 14:14:14	0
022	2011/12/05 14:29:14	0
023	2011/12/05 14:44:14	0
024	2011/12/05 14:59:14	0

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TWA/STEL

Index	Date/Time	VOC(ppb)(TWA)	VOC(ppb)(STEL)
001	2011/12/05 09:14:14	0	3
002	2011/12/05 09:29:14	2	47
003	2011/12/05 09:44:14	4	63
004	2011/12/05 09:59:14	5	62
005	2011/12/05 10:14:14	7	52
006	2011/12/05 10:29:14	8	34
007	2011/12/05 10:44:14	9	21
008	2011/12/05 10:59:14	9	8
009	2011/12/05 11:14:14	9	0
010	2011/12/05 11:29:14	9	0
011	2011/12/05 11:44:14	9	0
012	2011/12/05 11:59:14	9	0
013	2011/12/05 12:14:14	9	0
014	2011/12/05 12:29:14	9	0
015	2011/12/05 12:44:14	9	0
016	2011/12/05 12:59:14	9	0
017	2011/12/05 13:14:14	9	0
018	2011/12/05 13:29:14	9	0
019	2011/12/05 13:44:14	9	0
020	2011/12/05 13:59:14	9	0
021	2011/12/05 14:14:14	9	0
022	2011/12/05 14:29:14	9	0
023	2011/12/05 14:44:14	9	0
024	2011/12/05 14:59:14	9	0

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11/12/07 07:57

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Summary

Unit Name	ppbRAE 3000
Unit SN	594-902180
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	RAE00000
User ID	00000001
Begin	2011/12/07 07:57:16
End	2011/12/07 15:36:06
Sample Period(s)	900
Number of Records	30
Sensor	VOC(ppb)
Span	10000
Span H	N/A
Low Alarm	10000
High Alarm	25000
Over Alarm	10000000
STEL Alarm	2000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/08 10:37
Peak	29
Valley	0
Average	9

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Datalog

Index	Date/Time	VOC(ppb)(Avg)
001	2011/12/07 08:12:16	0
002	2011/12/07 08:27:16	0
003	2011/12/07 08:42:16	0
004	2011/12/07 08:57:16	0
005	2011/12/07 09:12:16	0
006	2011/12/07 09:27:16	0
007	2011/12/07 09:42:16	0
008	2011/12/07 09:57:16	0
009	2011/12/07 10:12:16	0
010	2011/12/07 10:27:16	0
011	2011/12/07 10:42:16	0
012	2011/12/07 10:57:16	0
013	2011/12/07 11:12:16	0
014	2011/12/07 11:27:16	0
015	2011/12/07 11:42:16	8
016	2011/12/07 11:57:16	4
017	2011/12/07 12:12:16	9
018	2011/12/07 12:27:16	3
019	2011/12/07 12:42:16	7
020	2011/12/07 12:57:16	9
021	2011/12/07 13:12:16	18
022	2011/12/07 13:27:16	17
023	2011/12/07 13:42:16	29
024	2011/12/07 13:57:16	18
025	2011/12/07 14:12:16	20
026	2011/12/07 14:27:16	19
027	2011/12/07 14:42:16	21
028	2011/12/07 14:57:16	24
029	2011/12/07 15:12:16	24
030	2011/12/07 15:27:16	28

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TWA/STEL

Index	Date/Time	VOC(ppb)(TWA)	VOC(ppb)(STEL)
001	2011/12/07 08:12:16	0	0
002	2011/12/07 08:27:16	0	0
003	2011/12/07 08:42:16	0	0
004	2011/12/07 08:57:16	0	0
005	2011/12/07 09:12:16	0	0
006	2011/12/07 09:27:16	0	0
007	2011/12/07 09:42:16	0	0
008	2011/12/07 09:57:16	0	0
009	2011/12/07 10:12:16	0	0
010	2011/12/07 10:27:16	0	0
011	2011/12/07 10:42:16	0	0
012	2011/12/07 10:57:16	0	0
013	2011/12/07 11:12:16	0	0
014	2011/12/07 11:27:16	0	0
015	2011/12/07 11:42:16	0	8
016	2011/12/07 11:57:16	0	4
017	2011/12/07 12:12:16	1	9
018	2011/12/07 12:27:16	1	3
019	2011/12/07 12:42:16	1	7
020	2011/12/07 12:57:16	1	9
021	2011/12/07 13:12:16	2	18
022	2011/12/07 13:27:16	2	17
023	2011/12/07 13:42:16	3	29
024	2011/12/07 13:57:16	4	18
025	2011/12/07 14:12:16	4	20
026	2011/12/07 14:27:16	5	19
027	2011/12/07 14:42:16	6	21
028	2011/12/07 14:57:16	6	24
029	2011/12/07 15:12:16	7	24
030	2011/12/07 15:27:16	8	28

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11/12/08 08:41

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Summary

Unit Name	ppbRAE 3000
Unit SN	594-902180
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	00000001

Begin	2011/12/08 08:41:29
End	2011/12/08 15:01:51
Sample Period(s)	900
Number of Records	25

Sensor	VOC(ppb)
Span	10000
Span H	N/A
Low Alarm	10000

High Alarm	25000
Over Alarm	10000000
STEL Alarm	2000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/08 10:37
Peak	48
Valley	0
Average	14

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Datalog

Index	Date/Time	VOC(ppb)(Avg)
001	2011/12/08 08:56:29	10
002	2011/12/08 09:11:29	20
003	2011/12/08 09:26:29	0
004	2011/12/08 09:41:29	0
005	2011/12/08 09:56:29	0
006	2011/12/08 10:11:29	0
007	2011/12/08 10:26:29	2
008	2011/12/08 10:41:29	4
009	2011/12/08 10:56:29	7
010	2011/12/08 11:11:29	12
011	2011/12/08 11:26:29	17
012	2011/12/08 11:41:29	10
013	2011/12/08 11:56:29	16
014	2011/12/08 12:11:29	12
015	2011/12/08 12:26:29	17
016	2011/12/08 12:41:29	18
017	2011/12/08 12:56:29	13
018	2011/12/08 13:11:29	16
019	2011/12/08 13:26:29	19
020	2011/12/08 13:41:29	18
021	2011/12/08 13:56:29	18
022	2011/12/08 14:11:29	48
023	2011/12/08 14:26:29	34
024	2011/12/08 14:41:29	27
025	2011/12/08 14:56:29	23

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TWA/STEL

Index	Date/Time	VOC(ppb)(TWA)	VOC(ppb)(STEL)
001	2011/12/08 08:56:29	0	10
002	2011/12/08 09:11:29	1	20
003	2011/12/08 09:26:29	1	0
004	2011/12/08 09:41:29	1	0
005	2011/12/08 09:56:29	1	0
006	2011/12/08 10:11:29	1	0
007	2011/12/08 10:26:29	1	2
008	2011/12/08 10:41:29	1	4
009	2011/12/08 10:56:29	1	7
010	2011/12/08 11:11:29	2	12
011	2011/12/08 11:26:29	2	17
012	2011/12/08 11:41:29	3	10
013	2011/12/08 11:56:29	3	16
014	2011/12/08 12:11:29	3	12
015	2011/12/08 12:26:29	4	17
016	2011/12/08 12:41:29	5	18
017	2011/12/08 12:56:29	5	13
018	2011/12/08 13:11:29	5	16
019	2011/12/08 13:26:29	6	19
020	2011/12/08 13:41:29	7	18
021	2011/12/08 13:56:29	7	18

022	2011/12/08 14:11:29	9	48
023	2011/12/08 14:26:29	10	34
024	2011/12/08 14:41:29	11	27
025	2011/12/08 14:56:29	11	23

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11/12/09 08:34

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Summary

Unit Name	ppbRAE 3000
Unit SN	594-902180
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	00000001

Begin	2011/12/09 08:34:01
End	2011/12/09 14:56:25
Sample Period(s)	900
Number of Records	25

Sensor	VOC(ppb)
Span	10000
Span H	N/A
Low Alarm	10000
High Alarm	25000
Over Alarm	10000000
STEL Alarm	2000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/08 10:37
Peak	46
Valley	0
Average	5

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Datalog

Index	Date/Time	VOC(ppb)(Avg)
001	2011/12/09 08:49:01	14
002	2011/12/09 09:04:01	46
003	2011/12/09 09:19:01	0
004	2011/12/09 09:34:01	1
005	2011/12/09 09:49:01	23
006	2011/12/09 10:04:01	20
007	2011/12/09 10:19:01	13
008	2011/12/09 10:34:01	7
009	2011/12/09 10:49:01	1
010	2011/12/09 11:04:01	0
011	2011/12/09 11:19:01	0
012	2011/12/09 11:34:01	0
013	2011/12/09 11:49:01	0
014	2011/12/09 12:04:01	0
015	2011/12/09 12:19:01	0
016	2011/12/09 12:34:01	0
017	2011/12/09 12:49:01	0

018	2011/12/09 13:04:01	0
019	2011/12/09 13:19:01	0
020	2011/12/09 13:34:01	0
021	2011/12/09 13:49:01	0
022	2011/12/09 14:04:01	0
023	2011/12/09 14:19:01	0
024	2011/12/09 14:34:01	0
025	2011/12/09 14:49:01	0

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TWA/STEL

Index	Date/Time	VOC(ppb)(TWA)	VOC(ppb)(STEL)
001	2011/12/09 08:49:01	0	14
002	2011/12/09 09:04:01	2	46
003	2011/12/09 09:19:01	2	0
004	2011/12/09 09:34:01	2	1
005	2011/12/09 09:49:01	3	23
006	2011/12/09 10:04:01	3	20
007	2011/12/09 10:19:01	4	13
008	2011/12/09 10:34:01	4	7
009	2011/12/09 10:49:01	4	1
010	2011/12/09 11:04:01	4	0
011	2011/12/09 11:19:01	4	0
012	2011/12/09 11:34:01	4	0
013	2011/12/09 11:49:01	4	0
014	2011/12/09 12:04:01	4	0
015	2011/12/09 12:19:01	4	0
016	2011/12/09 12:34:01	4	0
017	2011/12/09 12:49:01	4	0
018	2011/12/09 13:04:01	4	0
019	2011/12/09 13:19:01	4	0
020	2011/12/09 13:34:01	4	0
021	2011/12/09 13:49:01	4	0
022	2011/12/09 14:04:01	4	0
023	2011/12/09 14:19:01	4	0
024	2011/12/09 14:34:01	4	0
025	2011/12/09 14:49:01	4	0

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11/12/13 06:48

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Summary

Unit Name	ppbRAE 3000
Unit SN	594-902180
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	00000001

Begin	2011/12/13 06:48:19
End	2011/12/13 10:50:06
Sample Period(s)	900
Number of Records	16

Sensor	VOC(ppb)

Span	10000
Span H	N/A
Low Alarm	10000
High Alarm	25000
Over Alarm	10000000
STEL Alarm	2000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/08 10:37
Peak	37
Valley	0
Average	18

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Datalog

Index	Date/Time	VOC(ppb)(Avg)
001	2011/12/13 07:03:19	3
002	2011/12/13 07:18:19	15
003	2011/12/13 07:33:19	7
004	2011/12/13 07:48:19	34
005	2011/12/13 08:03:19	3
006	2011/12/13 08:18:19	3
007	2011/12/13 08:33:19	0
008	2011/12/13 08:48:19	6
009	2011/12/13 09:03:19	26
010	2011/12/13 09:18:19	37
011	2011/12/13 09:33:19	15
012	2011/12/13 09:48:19	32
013	2011/12/13 10:03:19	22
014	2011/12/13 10:18:19	33
015	2011/12/13 10:33:19	21
016	2011/12/13 10:48:19	26

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TWA/STEL

Index	Date/Time	VOC(ppb)(TWA)	VOC(ppb)(STEL)
001	2011/12/13 07:03:19	0	3
002	2011/12/13 07:18:19	1	15
003	2011/12/13 07:33:19	1	7
004	2011/12/13 07:48:19	2	34
005	2011/12/13 08:03:19	2	3
006	2011/12/13 08:18:19	2	3
007	2011/12/13 08:33:19	2	0
008	2011/12/13 08:48:19	2	6
009	2011/12/13 09:03:19	3	26
010	2011/12/13 09:18:19	4	37
011	2011/12/13 09:33:19	5	15
012	2011/12/13 09:48:19	6	32
013	2011/12/13 10:03:19	6	22
014	2011/12/13 10:18:19	7	33
015	2011/12/13 10:33:19	8	21
016	2011/12/13 10:48:19	9	26

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11/12/14 06:52

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Summary

Unit Name	ppbRAE 3000
Unit SN	594-902180
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode

Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	RAE00000
User ID	00000001
Begin	2011/12/14 06:52:10
End	2011/12/14 15:20:39
Sample Period(s)	900
Number of Records	33
Sensor	VOC(ppb)
Span	10000
Span H	N/A
Low Alarm	10000
High Alarm	25000
Over Alarm	10000000
STEL Alarm	2000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/08 10:37
Peak	37
Valley	0
Average	12

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Datalog Index	Date/Time	VOC(ppb)(Avg)
001	2011/12/14 07:07:10	0
002	2011/12/14 07:22:10	0
003	2011/12/14 07:37:10	12
004	2011/12/14 07:52:10	17
005	2011/12/14 08:07:10	0
006	2011/12/14 08:22:10	0
007	2011/12/14 08:37:10	0
008	2011/12/14 08:52:10	1
009	2011/12/14 09:07:10	0
010	2011/12/14 09:22:10	0
011	2011/12/14 09:37:10	0
012	2011/12/14 09:52:10	0
013	2011/12/14 10:07:10	2
014	2011/12/14 10:22:10	18
015	2011/12/14 10:37:10	6
016	2011/12/14 10:52:10	16
017	2011/12/14 11:07:10	9
018	2011/12/14 11:22:10	9
019	2011/12/14 11:37:10	17
020	2011/12/14 11:52:10	14
021	2011/12/14 12:07:10	27
022	2011/12/14 12:22:10	13
023	2011/12/14 12:37:10	11
024	2011/12/14 12:52:10	14
025	2011/12/14 13:07:10	21
026	2011/12/14 13:22:10	26
027	2011/12/14 13:37:10	21
028	2011/12/14 13:52:10	14
029	2011/12/14 14:07:10	16
030	2011/12/14 14:22:10	19
031	2011/12/14 14:37:10	22
032	2011/12/14 14:52:10	37

033 2011/12/14 15:07:10 28

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TWA/STEL

Index	Date/Time	VOC(ppb)(TWA)	VOC(ppb)(STEL)
001	2011/12/14 07:07:10	0	0
002	2011/12/14 07:22:10	0	0
003	2011/12/14 07:37:10	0	12
004	2011/12/14 07:52:10	1	17
005	2011/12/14 08:07:10	1	0
006	2011/12/14 08:22:10	1	0
007	2011/12/14 08:37:10	1	0
008	2011/12/14 08:52:10	1	1
009	2011/12/14 09:07:10	1	0
010	2011/12/14 09:22:10	1	0
011	2011/12/14 09:37:10	1	0
012	2011/12/14 09:52:10	1	0
013	2011/12/14 10:07:10	1	2
014	2011/12/14 10:22:10	2	18
015	2011/12/14 10:37:10	2	6
016	2011/12/14 10:52:10	2	16
017	2011/12/14 11:07:10	3	9
018	2011/12/14 11:22:10	3	9
019	2011/12/14 11:37:10	3	17
020	2011/12/14 11:52:10	4	14
021	2011/12/14 12:07:10	5	27
022	2011/12/14 12:22:10	5	13
023	2011/12/14 12:37:10	5	11
024	2011/12/14 12:52:10	6	14
025	2011/12/14 13:07:10	6	21
026	2011/12/14 13:22:10	7	26
027	2011/12/14 13:37:10	8	21
028	2011/12/14 13:52:10	8	14
029	2011/12/14 14:07:10	9	16
030	2011/12/14 14:22:10	9	19
031	2011/12/14 14:37:10	10	22
032	2011/12/14 14:52:10	11	37
033	2011/12/14 15:07:10	12	28

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11/12/15 06:51

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Summary

Unit Name	ppbRAE 3000
Unit SN	594-902180
Unit Firmware Ver	V1.10A
Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	RAE00000
User ID	00000001
Begin	2011/12/15 06:51:30
End	2011/12/15 15:15:05
Sample Period(s)	900
Number of Records	33

Sensor	VOC(ppb)
Span	10000
Span H	N/A
Low Alarm	10000
High Alarm	25000
Over Alarm	10000000
STEL Alarm	2000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/08 10:37
Peak	109
Valley	0
Average	13

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Datalog

Index	Date/Time	VOC(ppb)(Avg)
001	2011/12/15 07:06:30	6
002	2011/12/15 07:21:30	87
003	2011/12/15 07:36:30	109
004	2011/12/15 07:51:30	89
005	2011/12/15 08:06:30	71
006	2011/12/15 08:21:30	43
007	2011/12/15 08:36:30	18
008	2011/12/15 08:51:30	8
009	2011/12/15 09:06:30	1
010	2011/12/15 09:21:30	0
011	2011/12/15 09:36:30	0
012	2011/12/15 09:51:30	0
013	2011/12/15 10:06:30	0
014	2011/12/15 10:21:30	0
015	2011/12/15 10:36:30	0
016	2011/12/15 10:51:30	0
017	2011/12/15 11:06:30	0
018	2011/12/15 11:21:30	0
019	2011/12/15 11:36:30	0
020	2011/12/15 11:51:30	0
021	2011/12/15 12:06:30	0
022	2011/12/15 12:21:30	0
023	2011/12/15 12:36:30	0
024	2011/12/15 12:51:30	0
025	2011/12/15 13:06:30	0
026	2011/12/15 13:21:30	0
027	2011/12/15 13:36:30	0
028	2011/12/15 13:51:30	0
029	2011/12/15 14:06:30	0
030	2011/12/15 14:21:30	0
031	2011/12/15 14:36:30	0
032	2011/12/15 14:51:30	0
033	2011/12/15 15:06:30	0

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TWA/STEL

Index	Date/Time	VOC(ppb)(TWA)	VOC(ppb)(STEL)
001	2011/12/15 07:06:30	0	6
002	2011/12/15 07:21:30	3	87
003	2011/12/15 07:36:30	6	109
004	2011/12/15 07:51:30	9	89
005	2011/12/15 08:06:30	11	71
006	2011/12/15 08:21:30	13	43
007	2011/12/15 08:36:30	13	18
008	2011/12/15 08:51:30	13	8
009	2011/12/15 09:06:30	14	1

010	2011/12/15 09:21:30	14	0
011	2011/12/15 09:36:30	14	0
012	2011/12/15 09:51:30	14	0
013	2011/12/15 10:06:30	14	0
014	2011/12/15 10:21:30	14	0
015	2011/12/15 10:36:30	14	0
016	2011/12/15 10:51:30	14	0
017	2011/12/15 11:06:30	14	0
018	2011/12/15 11:21:30	14	0
019	2011/12/15 11:36:30	14	0
020	2011/12/15 11:51:30	14	0
021	2011/12/15 12:06:30	14	0
022	2011/12/15 12:21:30	14	0
023	2011/12/15 12:36:30	14	0
024	2011/12/15 12:51:30	14	0
025	2011/12/15 13:06:30	14	0
026	2011/12/15 13:21:30	14	0
027	2011/12/15 13:36:30	14	0
028	2011/12/15 13:51:30	14	0
029	2011/12/15 14:06:30	14	0
030	2011/12/15 14:21:30	14	0
031	2011/12/15 14:36:30	14	0
032	2011/12/15 14:51:30	14	0
033	2011/12/15 15:06:30	14	0

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11/12/19 09:20

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Summary

Unit Name	ppbRAE 3000
Unit SN	594-902180
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Pause in Communication Mode

Site ID	RAE00000
User ID	00000001

Begin	2011/12/19 09:20:23
End	2011/12/19 09:49:27
Sample Period(s)	900
Number of Records	1

Sensor	VOC(ppb)
Span	10000
Span H	N/A
Low Alarm	10000
High Alarm	25000
Over Alarm	10000000
STEL Alarm	2000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/08 10:37
Peak	97
Valley	97
Average	97

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Datalog

Index	Date/Time	VOC(ppb)(Avg)
001	2011/12/19 09:35:23	97

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TWA/STEL

Index	Date/Time	VOC(ppb)(TWA)	VOC(ppb)(STEL)
001	2011/12/19 09:35:23	3	97

11/11/28 08:19

Summary

Unit Name	MiniRAE 3000
Unit SN	592-906603
Unit Firmware Ver	V1.10A
Running Mode	Hygiene Mode
Measure Type	Avg; Max
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	RAE00000
User ID	00000001
Begin	2011/11/28 08:19:06
End	2011/11/28 14:56:01
Sample Period(s)	900
Number of Records	26
Sensor	VOC(ppm)
Span	100.000
Span H	N/A
Low Alarm	50.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	2.000
TWA Alarm	10.000
Measurement Gas	Isobutylene
Calibration Time	2011/11/14 11:57
Peak	0.349
Valley	0.000
Average	0.145

Datalog

Index	Date/Time	VOC(ppm)(Avg)	VOC(ppm)(Max)
001	2011/11/28 08:34:06	0.015	0.123
002	2011/11/28 08:49:06	0.051	0.170
003	2011/11/28 09:04:06	0.001	0.061
004	2011/11/28 09:19:06	0.108	0.269
005	2011/11/28 09:34:06	0.128	0.267
006	2011/11/28 09:49:06	0.090	0.332
007	2011/11/28 10:04:06	0.182	0.349
008	2011/11/28 10:19:06	0.075	0.213
009	2011/11/28 10:34:06	0.116	0.237
010	2011/11/28 10:49:06	0.135	0.232
011	2011/11/28 11:04:06	0.039	0.172
012	2011/11/28 11:19:06	0.101	0.226
013	2011/11/28 11:34:06	0.224	0.249
014	2011/11/28 11:49:06	0.158	0.251
015	2011/11/28 12:04:06	0.163	0.219
016	2011/11/28 12:19:06	0.156	0.215
017	2011/11/28 12:34:06	0.175	0.212
018	2011/11/28 12:49:06	0.183	0.209
019	2011/11/28 13:04:06	0.142	0.199
020	2011/11/28 13:19:06	0.107	0.147
021	2011/11/28 13:34:06	0.045	0.120
022	2011/11/28 13:49:06	0.081	0.114

023	2011/11/28 14:04:06	0.055	0.119
024	2011/11/28 14:19:06	0.000	0.010
025	2011/11/28 14:34:06	0.036	0.077
026	2011/11/28 14:49:06	0.062	0.098

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TWA/STEL

Index	Date/Time	VOC(ppm)(TWA)	VOC(ppm)(STEL)
001	2011/11/28 08:34:06	0.000	0.015
002	2011/11/28 08:49:06	0.002	0.051
003	2011/11/28 09:04:06	0.002	0.001
004	2011/11/28 09:19:06	0.005	0.108
005	2011/11/28 09:34:06	0.009	0.128
006	2011/11/28 09:49:06	0.012	0.090
007	2011/11/28 10:04:06	0.018	0.182
008	2011/11/28 10:19:06	0.020	0.075
009	2011/11/28 10:34:06	0.024	0.116
010	2011/11/28 10:49:06	0.028	0.135
011	2011/11/28 11:04:06	0.029	0.039
012	2011/11/28 11:19:06	0.033	0.101
013	2011/11/28 11:34:06	0.040	0.224
014	2011/11/28 11:49:06	0.044	0.158
015	2011/11/28 12:04:06	0.050	0.163
016	2011/11/28 12:19:06	0.054	0.156
017	2011/11/28 12:34:06	0.060	0.175
018	2011/11/28 12:49:06	0.066	0.183
019	2011/11/28 13:04:06	0.070	0.142
020	2011/11/28 13:19:06	0.073	0.107
021	2011/11/28 13:34:06	0.075	0.045
022	2011/11/28 13:49:06	0.077	0.081
023	2011/11/28 14:04:06	0.079	0.055
024	2011/11/28 14:19:06	0.079	0.000
025	2011/11/28 14:34:06	0.080	0.036
026	2011/11/28 14:49:06	0.082	0.062

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11/11/29 08:45

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-906603
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg; Max
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	00000001

Begin	2011/11/29 08:45:13
End	2011/11/29 15:09:56
Sample Period(s)	900
Number of Records	25

Sensor	VOC(ppm)
Span	100.000
Span H	N/A
Low Alarm	50.000

High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	2.000
TWA Alarm	10.000
Measurement Gas	Isobutylene
Calibration Time	2011/11/14 11:57
Peak	0.344
Valley	0.000
Average	0.063

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Datalog

Index	Date/Time	VOC(ppm)(Avg)	VOC(ppm)(Max)
001	2011/11/29 09:00:13	0.260	0.344
002	2011/11/29 09:15:13	0.298	0.334
003	2011/11/29 09:30:13	0.227	0.276
004	2011/11/29 09:45:13	0.183	0.225
005	2011/11/29 10:00:13	0.114	0.177
006	2011/11/29 10:15:13	0.085	0.097
007	2011/11/29 10:30:13	0.067	0.085
008	2011/11/29 10:45:13	0.056	0.070
009	2011/11/29 11:00:13	0.041	0.051
010	2011/11/29 11:15:13	0.026	0.041
011	2011/11/29 11:30:13	0.007	0.024
012	2011/11/29 11:45:13	0.003	0.019
013	2011/11/29 12:00:13	0.002	0.016
014	2011/11/29 12:15:13	0.000	0.013
015	2011/11/29 12:30:13	0.000	0.003
016	2011/11/29 12:45:13	0.000	0.001
017	2011/11/29 13:00:13	0.000	0.000
018	2011/11/29 13:15:13	0.000	0.000
019	2011/11/29 13:30:13	0.000	0.000
020	2011/11/29 13:45:13	0.000	0.000
021	2011/11/29 14:00:13	0.000	0.000
022	2011/11/29 14:15:13	0.000	0.000
023	2011/11/29 14:30:13	0.000	0.000
024	2011/11/29 14:45:13	0.000	0.000
025	2011/11/29 15:00:13	0.000	0.000

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TWA/STEL

Index	Date/Time	VOC(ppm)(TWA)	VOC(ppm)(STEL)
001	2011/11/29 09:00:13	0.008	0.260
002	2011/11/29 09:15:13	0.017	0.298
003	2011/11/29 09:30:13	0.025	0.227
004	2011/11/29 09:45:13	0.030	0.183
005	2011/11/29 10:00:13	0.034	0.114
006	2011/11/29 10:15:13	0.036	0.085
007	2011/11/29 10:30:13	0.039	0.067
008	2011/11/29 10:45:13	0.040	0.056
009	2011/11/29 11:00:13	0.042	0.041
010	2011/11/29 11:15:13	0.042	0.026
011	2011/11/29 11:30:13	0.043	0.007
012	2011/11/29 11:45:13	0.043	0.003
013	2011/11/29 12:00:13	0.043	0.002
014	2011/11/29 12:15:13	0.043	0.000
015	2011/11/29 12:30:13	0.043	0.000
016	2011/11/29 12:45:13	0.043	0.000
017	2011/11/29 13:00:13	0.043	0.000
018	2011/11/29 13:15:13	0.043	0.000
019	2011/11/29 13:30:13	0.043	0.000
020	2011/11/29 13:45:13	0.043	0.000
021	2011/11/29 14:00:13	0.043	0.000

022	2011/11/29 14:15:13	0.043	0.000
023	2011/11/29 14:30:13	0.043	0.000
024	2011/11/29 14:45:13	0.043	0.000
025	2011/11/29 15:00:13	0.043	0.000

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11/12/02 08:29

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-906603
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg; Max
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	00000001

Begin	2011/12/02 08:29:18
End	2011/12/02 15:33:46
Sample Period(s)	900
Number of Records	28

Sensor	VOC(ppm)
Span	100.000
Span H	N/A
Low Alarm	50.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	2.000
TWA Alarm	10.000
Measurement Gas	Isobutylene
Calibration Time	2011/11/14 11:57
Peak	12.266
Valley	0.008
Average	0.646

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Datalog

Index	Date/Time	VOC(ppm)(Avg)	VOC(ppm)(Max)
001	2011/12/02 08:44:18	0.214	0.454
002	2011/12/02 08:59:18	0.159	0.466
003	2011/12/02 09:14:18	0.143	0.366
004	2011/12/02 09:29:18	0.165	0.239
005	2011/12/02 09:44:18	0.151	0.181
006	2011/12/02 09:59:18	0.167	0.652
007	2011/12/02 10:14:18	0.188	1.274
008	2011/12/02 10:29:18	0.235	0.374
009	2011/12/02 10:44:18	0.263	0.317
010	2011/12/02 10:59:18	0.267	0.316
011	2011/12/02 11:14:18	0.251	0.280
012	2011/12/02 11:29:18	0.253	0.287
013	2011/12/02 11:44:18	0.252	0.314
014	2011/12/02 11:59:18	0.239	0.266
015	2011/12/02 12:14:18	0.240	0.270
016	2011/12/02 12:29:18	0.238	0.280
017	2011/12/02 12:44:18	0.221	0.253

018	2011/12/02 12:59:18	0.229	0.264
019	2011/12/02 13:14:18	0.231	0.267
020	2011/12/02 13:29:18	0.537	12.266
021	2011/12/02 13:44:18	0.332	1.276
022	2011/12/02 13:59:18	0.298	2.437
023	2011/12/02 14:14:18	0.008	0.045
024	2011/12/02 14:29:18	0.024	0.067
025	2011/12/02 14:44:18	0.236	5.245
026	2011/12/02 14:59:18	0.098	0.233
027	2011/12/02 15:14:18	0.113	1.508
028	2011/12/02 15:29:18	0.092	0.152

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TWA/STEL

Index	Date/Time	VOC(ppm)(TWA)	VOC(ppm)(STEL)
001	2011/12/02 08:44:18	0.007	0.214
002	2011/12/02 08:59:18	0.012	0.159
003	2011/12/02 09:14:18	0.016	0.143
004	2011/12/02 09:29:18	0.021	0.165
005	2011/12/02 09:44:18	0.026	0.151
006	2011/12/02 09:59:18	0.031	0.167
007	2011/12/02 10:14:18	0.037	0.188
008	2011/12/02 10:29:18	0.044	0.235
009	2011/12/02 10:44:18	0.053	0.263
010	2011/12/02 10:59:18	0.061	0.267
011	2011/12/02 11:14:18	0.069	0.251
012	2011/12/02 11:29:18	0.077	0.253
013	2011/12/02 11:44:18	0.085	0.252
014	2011/12/02 11:59:18	0.092	0.239
015	2011/12/02 12:14:18	0.100	0.240
016	2011/12/02 12:29:18	0.107	0.238
017	2011/12/02 12:44:18	0.114	0.221
018	2011/12/02 12:59:18	0.121	0.229
019	2011/12/02 13:14:18	0.128	0.231
020	2011/12/02 13:29:18	0.145	0.537
021	2011/12/02 13:44:18	0.155	0.332
022	2011/12/02 13:59:18	0.165	0.298
023	2011/12/02 14:14:18	0.165	0.008
024	2011/12/02 14:29:18	0.166	0.024
025	2011/12/02 14:44:18	0.173	0.236
026	2011/12/02 14:59:18	0.176	0.098
027	2011/12/02 15:14:18	0.180	0.113
028	2011/12/02 15:29:18	0.183	0.092

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11/12/05 08:51

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-906603
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg; Max
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	00000001

Begin	2011/12/05 08:51:15
End	2011/12/05 15:08:08
Sample Period(s)	900
Number of Records	25

Sensor	VOC(ppm)
Span	100.000
Span H	N/A
Low Alarm	50.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	2.000
TWA Alarm	10.000
Measurement Gas	Isobutylene
Calibration Time	2011/11/14 11:57
Peak	1.070
Valley	0.017
Average	0.182

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Datalog

Index	Date/Time	VOC(ppm)(Avg)	VOC(ppm)(Max)
001	2011/12/05 09:06:15	0.114	0.263
002	2011/12/05 09:21:15	0.267	0.342
003	2011/12/05 09:36:15	0.283	0.349
004	2011/12/05 09:51:15	0.299	0.355
005	2011/12/05 10:06:15	0.244	0.332
006	2011/12/05 10:21:15	0.202	0.268
007	2011/12/05 10:36:15	0.218	1.070
008	2011/12/05 10:51:15	0.114	0.235
009	2011/12/05 11:06:15	0.094	0.156
010	2011/12/05 11:21:15	0.073	0.163
011	2011/12/05 11:36:15	0.110	0.180
012	2011/12/05 11:51:15	0.081	0.146
013	2011/12/05 12:06:15	0.076	0.161
014	2011/12/05 12:21:15	0.049	0.137
015	2011/12/05 12:36:15	0.073	0.325
016	2011/12/05 12:51:15	0.104	0.202
017	2011/12/05 13:06:15	0.066	0.141
018	2011/12/05 13:21:15	0.075	0.151
019	2011/12/05 13:36:15	0.082	0.164
020	2011/12/05 13:51:15	0.057	0.289
021	2011/12/05 14:06:15	0.072	0.164
022	2011/12/05 14:21:15	0.048	0.144
023	2011/12/05 14:36:15	0.017	0.121
024	2011/12/05 14:51:15	0.066	0.146
025	2011/12/05 15:06:15	0.063	0.146

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TWA/STEL

Index	Date/Time	VOC(ppm)(TWA)	VOC(ppm)(STEL)
001	2011/12/05 09:06:15	0.004	0.114
002	2011/12/05 09:21:15	0.012	0.267
003	2011/12/05 09:36:15	0.021	0.283
004	2011/12/05 09:51:15	0.030	0.299
005	2011/12/05 10:06:15	0.038	0.244
006	2011/12/05 10:21:15	0.044	0.202
007	2011/12/05 10:36:15	0.051	0.218
008	2011/12/05 10:51:15	0.054	0.114
009	2011/12/05 11:06:15	0.057	0.094
010	2011/12/05 11:21:15	0.060	0.073
011	2011/12/05 11:36:15	0.063	0.110
012	2011/12/05 11:51:15	0.066	0.081

013	2011/12/05 12:06:15	0.068	0.076
014	2011/12/05 12:21:15	0.069	0.049
015	2011/12/05 12:36:15	0.072	0.073
016	2011/12/05 12:51:15	0.075	0.104
017	2011/12/05 13:06:15	0.077	0.066
018	2011/12/05 13:21:15	0.079	0.075
019	2011/12/05 13:36:15	0.082	0.082
020	2011/12/05 13:51:15	0.084	0.057
021	2011/12/05 14:06:15	0.086	0.072
022	2011/12/05 14:21:15	0.088	0.048
023	2011/12/05 14:36:15	0.088	0.017
024	2011/12/05 14:51:15	0.090	0.066
025	2011/12/05 15:06:15	0.092	0.063

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11/12/07 07:56

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-906603
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg; Max
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	00000001

Begin	2011/12/07 07:56:22
End	2011/12/07 15:34:33
Sample Period(s)	900
Number of Records	30

Sensor	VOC(ppm)
Span	100.000
Span H	N/A
Low Alarm	50.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	2.000
TWA Alarm	10.000
Measurement Gas	Isobutylene
Calibration Time	2011/11/14 11:57
Peak	27.924
Valley	0.000
Average	0.870

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Datalog

Index	Date/Time	VOC(ppm)(Avg)	VOC(ppm)(Max)
001	2011/12/07 08:11:22	0.000	0.000
002	2011/12/07 08:26:22	0.000	0.000
003	2011/12/07 08:41:22	0.012	0.049
004	2011/12/07 08:56:22	0.056	0.083
005	2011/12/07 09:11:22	0.094	0.192
006	2011/12/07 09:26:22	0.240	1.721
007	2011/12/07 09:41:22	0.248	2.405
008	2011/12/07 09:56:22	0.373	7.290

009	2011/12/07 10:11:22	0.198	0.714
010	2011/12/07 10:26:22	0.173	0.206
011	2011/12/07 10:41:22	0.172	0.205
012	2011/12/07 10:56:22	0.178	0.239
013	2011/12/07 11:11:22	0.198	1.075
014	2011/12/07 11:26:22	0.621	27.924
015	2011/12/07 11:41:22	0.295	0.657
016	2011/12/07 11:56:22	0.217	0.285
017	2011/12/07 12:11:22	0.219	0.327
018	2011/12/07 12:26:22	0.183	0.214
019	2011/12/07 12:41:22	0.181	0.235
020	2011/12/07 12:56:22	0.179	0.235
021	2011/12/07 13:11:22	0.193	0.290
022	2011/12/07 13:26:22	0.182	0.248
023	2011/12/07 13:41:22	0.214	0.300
024	2011/12/07 13:56:22	0.180	0.226
025	2011/12/07 14:11:22	0.183	0.237
026	2011/12/07 14:26:22	0.175	0.221
027	2011/12/07 14:41:22	0.173	0.223
028	2011/12/07 14:56:22	0.178	0.215
029	2011/12/07 15:11:22	0.182	0.228
030	2011/12/07 15:26:22	0.189	0.259

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TWA/STEL

Index	Date/Time	VOC(ppm)(TWA)	VOC(ppm)(STEL)
001	2011/12/07 08:11:22	0.000	0.000
002	2011/12/07 08:26:22	0.000	0.000
003	2011/12/07 08:41:22	0.000	0.012
004	2011/12/07 08:56:22	0.002	0.056
005	2011/12/07 09:11:22	0.005	0.094
006	2011/12/07 09:26:22	0.013	0.240
007	2011/12/07 09:41:22	0.020	0.248
008	2011/12/07 09:56:22	0.032	0.373
009	2011/12/07 10:11:22	0.038	0.198
010	2011/12/07 10:26:22	0.044	0.173
011	2011/12/07 10:41:22	0.049	0.172
012	2011/12/07 10:56:22	0.055	0.178
013	2011/12/07 11:11:22	0.061	0.198
014	2011/12/07 11:26:22	0.080	0.621
015	2011/12/07 11:41:22	0.089	0.295
016	2011/12/07 11:56:22	0.096	0.217
017	2011/12/07 12:11:22	0.103	0.219
018	2011/12/07 12:26:22	0.109	0.183
019	2011/12/07 12:41:22	0.114	0.181
020	2011/12/07 12:56:22	0.120	0.179
021	2011/12/07 13:11:22	0.126	0.193
022	2011/12/07 13:26:22	0.132	0.182
023	2011/12/07 13:41:22	0.138	0.214
024	2011/12/07 13:56:22	0.144	0.180
025	2011/12/07 14:11:22	0.150	0.183
026	2011/12/07 14:26:22	0.155	0.175
027	2011/12/07 14:41:22	0.161	0.173
028	2011/12/07 14:56:22	0.166	0.178
029	2011/12/07 15:11:22	0.172	0.182
030	2011/12/07 15:26:22	0.178	0.189

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11/12/08 08:40

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Summary

Unit Name MiniRAE 3000

Unit SN	592-906603
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg; Max
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	00000001

Begin	2011/12/08 08:40:34
End	2011/12/08 15:00:58
Sample Period(s)	900
Number of Records	25

Sensor	VOC(ppm)
Span	100.000
Span H	N/A
Low Alarm	50.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	2.000
TWA Alarm	10.000
Measurement Gas	Isobutylene
Calibration Time	2011/11/14 11:57
Peak	0.389
Valley	0.002
Average	0.161

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Datalog

Index	Date/Time	VOC(ppm)(Avg)	VOC(ppm)(Max)
001	2011/12/08 08:55:34	0.002	0.024
002	2011/12/08 09:10:34	0.011	0.033
003	2011/12/08 09:25:34	0.037	0.081
004	2011/12/08 09:40:34	0.092	0.131
005	2011/12/08 09:55:34	0.119	0.143
006	2011/12/08 10:10:34	0.146	0.180
007	2011/12/08 10:25:34	0.162	0.202
008	2011/12/08 10:40:34	0.159	0.219
009	2011/12/08 10:55:34	0.172	0.207
010	2011/12/08 11:10:34	0.171	0.237
011	2011/12/08 11:25:34	0.176	0.217
012	2011/12/08 11:40:34	0.155	0.187
013	2011/12/08 11:55:34	0.169	0.204
014	2011/12/08 12:10:34	0.156	0.186
015	2011/12/08 12:25:34	0.165	0.189
016	2011/12/08 12:40:34	0.162	0.200
017	2011/12/08 12:55:34	0.144	0.177
018	2011/12/08 13:10:34	0.148	0.174
019	2011/12/08 13:25:34	0.152	0.173
020	2011/12/08 13:40:34	0.149	0.179
021	2011/12/08 13:55:34	0.148	0.182
022	2011/12/08 14:10:34	0.202	0.389
023	2011/12/08 14:25:34	0.181	0.247
024	2011/12/08 14:40:34	0.168	0.198
025	2011/12/08 14:55:34	0.159	0.181

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TWA/STEL

Index	Date/Time	VOC(ppm)(TWA)	VOC(ppm)(STEL)
001	2011/12/08 08:55:34	0.000	0.002
002	2011/12/08 09:10:34	0.000	0.011
003	2011/12/08 09:25:34	0.002	0.037
004	2011/12/08 09:40:34	0.004	0.092
005	2011/12/08 09:55:34	0.008	0.119
006	2011/12/08 10:10:34	0.013	0.146
007	2011/12/08 10:25:34	0.018	0.162
008	2011/12/08 10:40:34	0.023	0.159
009	2011/12/08 10:55:34	0.028	0.172
010	2011/12/08 11:10:34	0.033	0.171
011	2011/12/08 11:25:34	0.039	0.176
012	2011/12/08 11:40:34	0.044	0.155
013	2011/12/08 11:55:34	0.049	0.169
014	2011/12/08 12:10:34	0.054	0.156
015	2011/12/08 12:25:34	0.059	0.165
016	2011/12/08 12:40:34	0.064	0.162
017	2011/12/08 12:55:34	0.069	0.144
018	2011/12/08 13:10:34	0.073	0.148
019	2011/12/08 13:25:34	0.078	0.152
020	2011/12/08 13:40:34	0.083	0.149
021	2011/12/08 13:55:34	0.087	0.148
022	2011/12/08 14:10:34	0.094	0.202
023	2011/12/08 14:25:34	0.099	0.181
024	2011/12/08 14:40:34	0.105	0.168
025	2011/12/08 14:55:34	0.110	0.159

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11/12/09 08:37

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-906603
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg; Max
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	00000001

Begin	2011/12/09 08:37:43
End	2011/12/09 14:58:26
Sample Period(s)	900
Number of Records	25

Sensor	VOC(ppm)
Span	100.000
Span H	N/A
Low Alarm	50.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	2.000
TWA Alarm	10.000
Measurement Gas	Isobutylene
Calibration Time	2011/11/14 11:57
Peak	4294967.295
Valley	0.000

Average 687196.101

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Datalog

Index	Date/Time	VOC(ppm)(Avg)	VOC(ppm)(Max)
001	2011/12/09 08:52:43	0.029	0.091
002	2011/12/09 09:07:43	0.097	0.106
003	2011/12/09 09:22:43	0.078	0.114
004	2011/12/09 09:37:43	0.070	0.109
005	2011/12/09 09:52:43	0.057	0.091
006	2011/12/09 10:07:43	0.053	0.088
007	2011/12/09 10:22:43	0.011	0.055
008	2011/12/09 10:37:43	0.002	0.022
009	2011/12/09 10:52:43	0.000	0.016
010	2011/12/09 11:07:43	0.000	0.013
011	2011/12/09 11:22:43	0.000	0.000
012	2011/12/09 11:37:43	0.000	0.000
013	2011/12/09 11:52:43	0.000	0.000
014	2011/12/09 12:07:43	0.000	0.000
015	2011/12/09 12:22:43	0.000	0.000
016	2011/12/09 12:37:43	0.000	0.000
017	2011/12/09 12:52:43	0.000	0.000
018	2011/12/09 13:07:43	0.000	65.535
019	2011/12/09 13:22:43	4294967.295	4294967.295
020	2011/12/09 13:37:43	4294967.295	4294967.295
021	2011/12/09 13:52:43	4294967.295	4294967.295
022	2011/12/09 14:07:43	4294967.295	4294967.295
023	2011/12/09 14:22:43	0.000	0.064
024	2011/12/09 14:37:43	0.000	0.000
025	2011/12/09 14:52:43	0.000	0.000

— Software Issues

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TWA/STEL

Index	Date/Time	VOC(ppm)(TWA)	VOC(ppm)(STEL)
001	2011/12/09 08:52:43	0.001	0.029
002	2011/12/09 09:07:43	0.004	0.097
003	2011/12/09 09:22:43	0.006	0.078
004	2011/12/09 09:37:43	0.009	0.070
005	2011/12/09 09:52:43	0.010	0.057
006	2011/12/09 10:07:43	0.012	0.053
007	2011/12/09 10:22:43	0.012	0.011
008	2011/12/09 10:37:43	0.012	0.002
009	2011/12/09 10:52:43	0.012	0.000
010	2011/12/09 11:07:43	0.012	0.000
011	2011/12/09 11:22:43	0.012	0.000
012	2011/12/09 11:37:43	0.012	0.000
013	2011/12/09 11:52:43	0.012	0.000
014	2011/12/09 12:07:43	0.012	0.000
015	2011/12/09 12:22:43	0.012	0.000
016	2011/12/09 12:37:43	0.012	0.000
017	2011/12/09 12:52:43	0.012	0.000
018	2011/12/09 13:07:43	0.012	0.000
019	2011/12/09 13:22:43	134217.740	4294967.295
020	2011/12/09 13:37:43	268435.468	4294967.295
021	2011/12/09 13:52:43	402653.196	4294967.295
022	2011/12/09 14:07:43	536870.924	4294967.295
023	2011/12/09 14:22:43	536870.924	0.000
024	2011/12/09 14:37:43	536870.924	0.000
025	2011/12/09 14:52:43	536870.924	0.000

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11/12/13 06:49

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-906603
Unit Firmware Ver	V1.10A
Running Mode	Hygiene Mode
Measure Type	Avg; Max
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	RAE00000
User ID	00000001
Begin	2011/12/13 06:49:01
End	2011/12/13 10:52:12
Sample Period(s)	900
Number of Records	16
Sensor	VOC(ppm)
Span	100.000
Span H	N/A
Low Alarm	50.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	2.000
TWA Alarm	10.000
Measurement Gas	Isobutylene
Calibration Time	2011/11/14 11:57
Peak	0.144
Valley	0.003
Average	0.089

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Datalog

Index	Date/Time	VOC(ppm)(Avg)	VOC(ppm)(Max)
001	2011/12/13 07:04:01	0.003	0.049
002	2011/12/13 07:19:01	0.104	0.135
003	2011/12/13 07:34:01	0.111	0.135
004	2011/12/13 07:49:01	0.124	0.142
005	2011/12/13 08:04:01	0.123	0.144
006	2011/12/13 08:19:01	0.118	0.139
007	2011/12/13 08:34:01	0.118	0.140
008	2011/12/13 08:49:01	0.110	0.140
009	2011/12/13 09:04:01	0.097	0.129
010	2011/12/13 09:19:01	0.081	0.113
011	2011/12/13 09:34:01	0.065	0.102
012	2011/12/13 09:49:01	0.050	0.079
013	2011/12/13 10:04:01	0.038	0.065
014	2011/12/13 10:19:01	0.028	0.053
015	2011/12/13 10:34:01	0.021	0.043
016	2011/12/13 10:49:01	0.017	0.035

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TWA/STEL

Index	Date/Time	VOC(ppm)(TWA)	VOC(ppm)(STEL)
001	2011/12/13 07:04:01	0.000	0.003
002	2011/12/13 07:19:01	0.003	0.104
003	2011/12/13 07:34:01	0.007	0.111
004	2011/12/13 07:49:01	0.011	0.124
005	2011/12/13 08:04:01	0.015	0.123

006	2011/12/13 08:19:01	0.018	0.118
007	2011/12/13 08:34:01	0.022	0.118
008	2011/12/13 08:49:01	0.025	0.110
009	2011/12/13 09:04:01	0.028	0.097
010	2011/12/13 09:19:01	0.031	0.081
011	2011/12/13 09:34:01	0.033	0.065
012	2011/12/13 09:49:01	0.034	0.050
013	2011/12/13 10:04:01	0.036	0.038
014	2011/12/13 10:19:01	0.037	0.028
015	2011/12/13 10:34:01	0.037	0.021
016	2011/12/13 10:49:01	0.038	0.017

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11/12/14 06:50

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-906603
Unit Firmware Ver	V1.10A
Running Mode	Hygiene Mode
Measure Type	Avg; Max
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	RAE00000
User ID	00000001
Begin	2011/12/14 06:50:51
End	2011/12/14 07:29:16
Sample Period(s)	900
Number of Records	2
Sensor	VOC(ppm)
Span	100.000
Span H	N/A
Low Alarm	50.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	2.000
TWA Alarm	10.000
Measurement Gas	Isobutylene
Calibration Time	2011/11/14 11:57
Peak	0.267
Valley	0.027
Average	0.152

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Datalog

Index	Date/Time	VOC(ppm)(Avg)	VOC(ppm)(Max)
001	2011/12/14 07:05:51	0.027	0.153
002	2011/12/14 07:20:51	0.159	0.267

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TWA/STEL

Index	Date/Time	VOC(ppm)(TWA)	VOC(ppm)(STEL)
001	2011/12/14 07:05:51	0.001	0.027
002	2011/12/14 07:20:51	0.006	0.159

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11/12/14 07:29
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Summary

Unit Name	MiniRAE 3000
Unit SN	592-906603
Unit Firmware Ver	V1.10A
Running Mode	Hygiene Mode
Measure Type	Avg; Max
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	RAE00000
User ID	00000001
Begin	2011/12/14 07:29:35
End	2011/12/14 15:19:41
Sample Period(s)	900
Number of Records	31
Sensor	VOC(ppm)
Span	100.000
Span H	N/A
Low Alarm	50.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	2.000
TWA Alarm	10.000
Measurement Gas	Isobutylene
Calibration Time	2011/11/14 11:57
Peak	1.449
Valley	0.336
Average	0.464

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Datalog

Index	Date/Time	VOC(ppm)(Avg)	VOC(ppm)(Max)
001	2011/12/14 07:44:35	0.378	0.629
002	2011/12/14 07:59:35	0.336	0.562
003	2011/12/14 08:14:35	0.357	0.428
004	2011/12/14 08:29:35	0.384	0.482
005	2011/12/14 08:44:35	0.400	0.480
006	2011/12/14 08:59:35	0.400	0.573
007	2011/12/14 09:14:35	0.374	0.411
008	2011/12/14 09:29:35	0.380	0.521
009	2011/12/14 09:44:35	0.372	0.443
010	2011/12/14 09:59:35	0.383	0.424
011	2011/12/14 10:14:35	0.392	0.519
012	2011/12/14 10:29:35	0.429	1.449
013	2011/12/14 10:44:35	0.396	0.487
014	2011/12/14 10:59:35	0.416	0.512
015	2011/12/14 11:14:35	0.382	0.425
016	2011/12/14 11:29:35	0.426	0.567
017	2011/12/14 11:44:35	0.395	0.432
018	2011/12/14 11:59:35	0.446	0.641
019	2011/12/14 12:14:35	0.402	0.473
020	2011/12/14 12:29:35	0.393	0.431
021	2011/12/14 12:44:35	0.400	0.449
022	2011/12/14 12:59:35	0.409	0.458
023	2011/12/14 13:14:35	0.431	0.474

024	2011/12/14 13:29:35	0.433	0.540
025	2011/12/14 13:44:35	0.412	0.444
026	2011/12/14 13:59:35	0.402	0.448
027	2011/12/14 14:14:35	0.400	0.434
028	2011/12/14 14:29:35	0.416	0.448
029	2011/12/14 14:44:35	0.440	0.521
030	2011/12/14 14:59:35	0.461	0.538
031	2011/12/14 15:14:35	0.473	0.590

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TWA/STEL

Index	Date/Time	VOC(ppm)(TWA)	VOC(ppm)(STEL)
001	2011/12/14 07:44:35	0.012	0.378
002	2011/12/14 07:59:35	0.022	0.336
003	2011/12/14 08:14:35	0.033	0.357
004	2011/12/14 08:29:35	0.045	0.384
005	2011/12/14 08:44:35	0.058	0.400
006	2011/12/14 08:59:35	0.070	0.400
007	2011/12/14 09:14:35	0.082	0.374
008	2011/12/14 09:29:35	0.094	0.380
009	2011/12/14 09:44:35	0.106	0.372
010	2011/12/14 09:59:35	0.118	0.383
011	2011/12/14 10:14:35	0.130	0.392
012	2011/12/14 10:29:35	0.143	0.429
013	2011/12/14 10:44:35	0.156	0.396
014	2011/12/14 10:59:35	0.169	0.416
015	2011/12/14 11:14:35	0.181	0.382
016	2011/12/14 11:29:35	0.194	0.426
017	2011/12/14 11:44:35	0.206	0.395
018	2011/12/14 11:59:35	0.220	0.446
019	2011/12/14 12:14:35	0.233	0.402
020	2011/12/14 12:29:35	0.245	0.393
021	2011/12/14 12:44:35	0.258	0.400
022	2011/12/14 12:59:35	0.270	0.409
023	2011/12/14 13:14:35	0.284	0.431
024	2011/12/14 13:29:35	0.297	0.433
025	2011/12/14 13:44:35	0.310	0.412
026	2011/12/14 13:59:35	0.323	0.402
027	2011/12/14 14:14:35	0.335	0.400
028	2011/12/14 14:29:35	0.348	0.416
029	2011/12/14 14:44:35	0.362	0.440
030	2011/12/14 14:59:35	0.376	0.461
031	2011/12/14 15:14:35	0.391	0.473

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11/12/15 06:53

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-906603
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg; Max
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	00000001

Begin	2011/12/15 06:53:28
End	2011/12/15 15:10:53
Sample Period(s)	900
Number of Records	33

Sensor	VOC(ppm)
Span	100.000
Span H	N/A
Low Alarm	50.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	2.000
TWA Alarm	10.000
Measurement Gas	Isobutylene
Calibration Time	2011/11/14 11:57
Peak	0.130
Valley	0.000
Average	0.031

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Datalog

Index	Date/Time	VOC(ppm)(Avg)	VOC(ppm)(Max)
001	2011/12/15 07:08:28	0.066	0.129
002	2011/12/15 07:23:28	0.101	0.130
003	2011/12/15 07:38:28	0.075	0.115
004	2011/12/15 07:53:28	0.098	0.104
005	2011/12/15 08:08:28	0.071	0.097
006	2011/12/15 08:23:28	0.046	0.073
007	2011/12/15 08:38:28	0.023	0.044
008	2011/12/15 08:53:28	0.036	0.054
009	2011/12/15 09:08:28	0.027	0.056
010	2011/12/15 09:23:28	0.037	0.053
011	2011/12/15 09:38:28	0.041	0.054
012	2011/12/15 09:53:28	0.033	0.055
013	2011/12/15 10:08:28	0.024	0.049
014	2011/12/15 10:23:28	0.009	0.032
015	2011/12/15 10:38:28	0.013	0.030
016	2011/12/15 10:53:28	0.001	0.022
017	2011/12/15 11:08:28	0.005	0.026
018	2011/12/15 11:23:28	0.001	0.010
019	2011/12/15 11:38:28	0.006	0.018
020	2011/12/15 11:53:28	0.006	0.021
021	2011/12/15 12:08:28	0.000	0.004
022	2011/12/15 12:23:28	0.001	0.007
023	2011/12/15 12:38:28	0.005	0.070
024	2011/12/15 12:53:28	0.012	0.021
025	2011/12/15 13:08:28	0.012	0.018
026	2011/12/15 13:23:28	0.001	0.013
027	2011/12/15 13:38:28	0.001	0.010
028	2011/12/15 13:53:28	0.000	0.000
029	2011/12/15 14:08:28	0.000	0.000
030	2011/12/15 14:23:28	0.000	0.000
031	2011/12/15 14:38:28	0.000	0.000
032	2011/12/15 14:53:28	0.000	0.000
033	2011/12/15 15:08:28	0.000	0.000

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TWA/STEL

Index	Date/Time	VOC(ppm)(TWA)	VOC(ppm)(STEL)
001	2011/12/15 07:08:28	0.002	0.066
002	2011/12/15 07:23:28	0.005	0.101
003	2011/12/15 07:38:28	0.008	0.075
004	2011/12/15 07:53:28	0.011	0.098

005	2011/12/15 08:08:28	0.013	0.071
006	2011/12/15 08:23:28	0.014	0.046
007	2011/12/15 08:38:28	0.015	0.023
008	2011/12/15 08:53:28	0.016	0.036
009	2011/12/15 09:08:28	0.017	0.027
010	2011/12/15 09:23:28	0.018	0.037
011	2011/12/15 09:38:28	0.019	0.041
012	2011/12/15 09:53:28	0.020	0.033
013	2011/12/15 10:08:28	0.021	0.024
014	2011/12/15 10:23:28	0.021	0.009
015	2011/12/15 10:38:28	0.022	0.013
016	2011/12/15 10:53:28	0.022	0.001
017	2011/12/15 11:08:28	0.022	0.005
018	2011/12/15 11:23:28	0.022	0.001
019	2011/12/15 11:38:28	0.022	0.006
020	2011/12/15 11:53:28	0.022	0.006
021	2011/12/15 12:08:28	0.022	0.000
022	2011/12/15 12:23:28	0.023	0.001
023	2011/12/15 12:38:28	0.023	0.005
024	2011/12/15 12:53:28	0.023	0.012
025	2011/12/15 13:08:28	0.023	0.012
026	2011/12/15 13:23:28	0.023	0.001
027	2011/12/15 13:38:28	0.023	0.001
028	2011/12/15 13:53:28	0.023	0.000
029	2011/12/15 14:08:28	0.023	0.000
030	2011/12/15 14:23:28	0.023	0.000
031	2011/12/15 14:38:28	0.023	0.000
032	2011/12/15 14:53:28	0.023	0.000
033	2011/12/15 15:08:28	0.023	0.000

TrakPro Version 4.51 ASCII Data File

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114322
Test ID:,001
Test Abbreviation:,MANUAL_001
Start Date:,11/14/2011
Start Time:,13:13:01
Duration (dd:hh:mm:ss):,0:02:00:00
Log Interval (mm:ss):,15:00
Number of points:,8
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.017
,Minimum:,0.015
,Time of Minimum:,14:58:01
,Date of Minimum:,11/14/2011
,Maximum:,0.021
,Time of Maximum:,13:28:01
,Date of Maximum:,11/14/2011

Calibration,Sensor:,AEROSOL
,Cal. date,10/24/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
11/14/2011,13:28:01,0.021
11/14/2011,13:43:01,0.019
11/14/2011,13:58:01,0.019
11/14/2011,14:13:01,0.016
11/14/2011,14:28:01,0.016
11/14/2011,14:43:01,0.017
11/14/2011,14:58:01,0.015
11/14/2011,15:13:01,0.015

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114322
Test ID:,002
Test Abbreviation:,MANUAL_002
Start Date:,11/15/2011
Start Time:,08:11:07
Duration (dd:hh:mm:ss):,0:07:30:00
Log Interval (mm:ss):,15:00
Number of points:,30
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.031
,Minimum:,0.012
,Time of Minimum:,14:26:07
,Date of Minimum:,11/15/2011
,Maximum:,0.070
,Time of Maximum:,08:26:07
,Date of Maximum:,11/15/2011

Calibration,Sensor:,AEROSOL
,Cal. date,10/24/2011

```
Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
11/15/2011,08:26:07,0.070
11/15/2011,08:41:07,0.068
11/15/2011,08:56:07,0.060
11/15/2011,09:11:07,0.052
11/15/2011,09:26:07,0.049
11/15/2011,09:41:07,0.044
11/15/2011,09:56:07,0.040
11/15/2011,10:11:07,0.038
11/15/2011,10:26:07,0.033
11/15/2011,10:41:07,0.033
11/15/2011,10:56:07,0.033
11/15/2011,11:11:07,0.030
11/15/2011,11:26:07,0.036
11/15/2011,11:41:07,0.028
11/15/2011,11:56:07,0.024
11/15/2011,12:11:07,0.019
11/15/2011,12:26:07,0.019
11/15/2011,12:41:07,0.020
11/15/2011,12:56:07,0.023
11/15/2011,13:11:07,0.024
11/15/2011,13:26:07,0.026
11/15/2011,13:41:07,0.021
11/15/2011,13:56:07,0.021
11/15/2011,14:11:07,0.015
11/15/2011,14:26:07,0.012
11/15/2011,14:41:07,0.018
11/15/2011,14:56:07,0.018
11/15/2011,15:11:07,0.022
11/15/2011,15:26:07,0.013
11/15/2011,15:41:07,0.012

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114322
Test ID:,003
Test Abbreviation:,MANUAL_003
Start Date:,11/16/2011
Start Time:,09:01:12
Duration (dd:hh:mm:ss):,0:06:30:00
Log Interval (mm:ss):,15:00
Number of points:,26
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.041
,Minimum:,0.035
,Time of Minimum:,09:31:12
,Date of Minimum:,11/16/2011
,Maximum:,0.055
,Time of Maximum:,15:31:12
,Date of Maximum:,11/16/2011

Calibration,Sensor:,AEROSOL
,Cal. date,10/24/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
11/16/2011,09:16:12,0.036
11/16/2011,09:31:12,0.035
11/16/2011,09:46:12,0.037
```

11/16/2011,10:01:12,0.036
11/16/2011,10:16:12,0.036
11/16/2011,10:31:12,0.036
11/16/2011,10:46:12,0.036
11/16/2011,11:01:12,0.037
11/16/2011,11:16:12,0.044
11/16/2011,11:31:12,0.045
11/16/2011,11:46:12,0.043
11/16/2011,12:01:12,0.043
11/16/2011,12:16:12,0.046
11/16/2011,12:31:12,0.042
11/16/2011,12:46:12,0.041
11/16/2011,13:01:12,0.041
11/16/2011,13:16:12,0.044
11/16/2011,13:31:12,0.041
11/16/2011,13:46:12,0.040
11/16/2011,14:01:12,0.040
11/16/2011,14:16:12,0.042
11/16/2011,14:31:12,0.042
11/16/2011,14:46:12,0.043
11/16/2011,15:01:12,0.045
11/16/2011,15:16:12,0.049
11/16/2011,15:31:12,0.055

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114322
Test ID:,004
Test Abbreviation:,MANUAL_004
Start Date:,11/17/2011
Start Time:,08:37:04
Duration (dd:hh:mm:ss):,0:06:45:00
Log Interval (mm:ss):,15:00
Number of points:,27
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.023
,Minimum:,0.013
,Time of Minimum:,12:37:04
,Date of Minimum:,11/17/2011
,Maximum:,0.036
,Time of Maximum:,14:07:04
,Date of Maximum:,11/17/2011

Calibration,Sensor:,AEROSOL
,Cal. date,10/24/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
11/17/2011,08:52:04,0.026
11/17/2011,09:07:04,0.025
11/17/2011,09:22:04,0.027
11/17/2011,09:37:04,0.026
11/17/2011,09:52:04,0.028
11/17/2011,10:07:04,0.027
11/17/2011,10:22:04,0.026
11/17/2011,10:37:04,0.018
11/17/2011,10:52:04,0.025
11/17/2011,11:07:04,0.018
11/17/2011,11:22:04,0.017
11/17/2011,11:37:04,0.018

11/17/2011,11:52:04,0.016
11/17/2011,12:07:04,0.017
11/17/2011,12:22:04,0.016
11/17/2011,12:37:04,0.013
11/17/2011,12:52:04,0.029
11/17/2011,13:07:04,0.022
11/17/2011,13:22:04,0.024
11/17/2011,13:37:04,0.019
11/17/2011,13:52:04,0.028
11/17/2011,14:07:04,0.036
11/17/2011,14:22:04,0.023
11/17/2011,14:37:04,0.028
11/17/2011,14:52:04,0.019
11/17/2011,15:07:04,0.022
11/17/2011,15:22:04,0.018

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114322
Test ID:,005
Test Abbreviation:,MANUAL_005
Start Date:,11/18/2011
Start Time:,07:52:32
Duration (dd:hh:mm:ss):,0:04:00:00
Log Interval (mm:ss):,15:00
Number of points:,16
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.029
,Minimum:,0.022
,Time of Minimum:,10:07:32
,Date of Minimum:,11/18/2011
,Maximum:,0.050
,Time of Maximum:,09:22:32
,Date of Maximum:,11/18/2011

Calibration,Sensor:,AEROSOL
,Cal. date,10/24/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
11/18/2011,08:07:32,0.033
11/18/2011,08:22:32,0.030
11/18/2011,08:37:32,0.029
11/18/2011,08:52:32,0.035
11/18/2011,09:07:32,0.045
11/18/2011,09:22:32,0.050
11/18/2011,09:37:32,0.030
11/18/2011,09:52:32,0.028
11/18/2011,10:07:32,0.022
11/18/2011,10:22:32,0.023
11/18/2011,10:37:32,0.023
11/18/2011,10:52:32,0.024
11/18/2011,11:07:32,0.024
11/18/2011,11:22:32,0.024
11/18/2011,11:37:32,0.024
11/18/2011,11:52:32,0.024

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114322

Test ID:,006
Test Abbreviation:,MANUAL_006
Start Date:,11/22/2011
Start Time:,13:36:59
Duration (dd:hh:mm:ss):,0:01:15:00
Log Interval (mm:ss):,15:00
Number of points:,5
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.008
,Minimum:,0.008
,Time of Minimum:,13:51:59
,Date of Minimum:,11/22/2011
,Maximum:,0.009
,Time of Maximum:,14:36:59
,Date of Maximum:,11/22/2011

Calibration,Sensor:,AEROSOL
,Cal. date,10/24/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
11/22/2011,13:51:59,0.008
11/22/2011,14:06:59,0.008
11/22/2011,14:21:59,0.008
11/22/2011,14:36:59,0.009
11/22/2011,14:51:59,0.009

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114322
Test ID:,007
Test Abbreviation:,MANUAL_007
Start Date:,11/23/2011
Start Time:,08:21:53
Duration (dd:hh:mm:ss):,0:05:30:00
Log Interval (mm:ss):,15:00
Number of points:,22
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.014
,Minimum:,0.009
,Time of Minimum:,09:06:53
,Date of Minimum:,11/23/2011
,Maximum:,0.027
,Time of Maximum:,10:36:53
,Date of Maximum:,11/23/2011

Calibration,Sensor:,AEROSOL
,Cal. date,10/24/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
11/23/2011,08:36:53,0.011
11/23/2011,08:51:53,0.012
11/23/2011,09:06:53,0.009
11/23/2011,09:21:53,0.010
11/23/2011,09:36:53,0.010
11/23/2011,09:51:53,0.014

11/23/2011,10:06:53,0.016
11/23/2011,10:21:53,0.021
11/23/2011,10:36:53,0.027
11/23/2011,10:51:53,0.014
11/23/2011,11:06:53,0.013
11/23/2011,11:21:53,0.013
11/23/2011,11:36:53,0.013
11/23/2011,11:51:53,0.013
11/23/2011,12:06:53,0.013
11/23/2011,12:21:53,0.013
11/23/2011,12:36:53,0.012
11/23/2011,12:51:53,0.012
11/23/2011,13:06:53,0.012
11/23/2011,13:21:53,0.014
11/23/2011,13:36:53,0.015
11/23/2011,13:51:53,0.015

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114322
Test ID:,008
Test Abbreviation:,MANUAL_008
Start Date:,11/28/2011
Start Time:,08:13:43
Duration (dd:hh:mm:ss):,0:06:30:00
Log Interval (mm:ss):,15:00
Number of points:,26
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.049
,Minimum:,0.013
,Time of Minimum:,10:43:43
,Date of Minimum:,11/28/2011
,Maximum:,0.168
,Time of Maximum:,13:28:43
,Date of Maximum:,11/28/2011

Calibration,Sensor:,AEROSOL
,Cal. date,10/24/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
11/28/2011,08:28:43,0.014
11/28/2011,08:43:43,0.018
11/28/2011,08:58:43,0.031
11/28/2011,09:13:43,0.021
11/28/2011,09:28:43,0.026
11/28/2011,09:43:43,0.029
11/28/2011,09:58:43,0.055
11/28/2011,10:13:43,0.064
11/28/2011,10:28:43,0.028
11/28/2011,10:43:43,0.013
11/28/2011,10:58:43,0.015
11/28/2011,11:13:43,0.045
11/28/2011,11:28:43,0.102
11/28/2011,11:43:43,0.049
11/28/2011,11:58:43,0.036
11/28/2011,12:13:43,0.020
11/28/2011,12:28:43,0.022
11/28/2011,12:43:43,0.024
11/28/2011,12:58:43,0.074

11/28/2011,13:13:43,0.070
11/28/2011,13:28:43,0.168
11/28/2011,13:43:43,0.094
11/28/2011,13:58:43,0.075
11/28/2011,14:13:43,0.064
11/28/2011,14:28:43,0.096
11/28/2011,14:43:43,0.032

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114322
Test ID:,009
Test Abbreviation:,MANUAL_009
Start Date:,11/29/2011
Start Time:,08:43:14
Duration (dd:hh:mm:ss):,0:06:15:00
Log Interval (mm:ss):,15:00
Number of points:,25
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.050
,Minimum:,0.036
,Time of Minimum:,14:43:14
,Date of Minimum:,11/29/2011
,Maximum:,0.099
,Time of Maximum:,10:58:14
,Date of Maximum:,11/29/2011

Calibration,Sensor:,AEROSOL
,Cal. date,10/24/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
11/29/2011,08:58:14,0.051
11/29/2011,09:13:14,0.049
11/29/2011,09:28:14,0.050
11/29/2011,09:43:14,0.050
11/29/2011,09:58:14,0.049
11/29/2011,10:13:14,0.046
11/29/2011,10:28:14,0.057
11/29/2011,10:43:14,0.067
11/29/2011,10:58:14,0.099
11/29/2011,11:13:14,0.051
11/29/2011,11:28:14,0.073
11/29/2011,11:43:14,0.058
11/29/2011,11:58:14,0.052
11/29/2011,12:13:14,0.054
11/29/2011,12:28:14,0.049
11/29/2011,12:43:14,0.042
11/29/2011,12:58:14,0.040
11/29/2011,13:13:14,0.041
11/29/2011,13:28:14,0.041
11/29/2011,13:43:14,0.039
11/29/2011,13:58:14,0.046
11/29/2011,14:13:14,0.037
11/29/2011,14:28:14,0.037
11/29/2011,14:43:14,0.036
11/29/2011,14:58:14,0.044

Model:,DustTrak II
Model Number:,8530

Serial Number:,8530114322
Test ID:,010
Test Abbreviation:,MANUAL_010
Start Date:,12/05/2011
Start Time:,08:53:25
Duration (dd:hh:mm:ss):,0:06:31:00
Log Interval (mm:ss):,15:00
Number of points:,25
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.055
,Minimum:,0.000
,Time of Minimum:,15:25:00
,Date of Minimum:,12/05/2011
,Maximum:,0.074
,Time of Maximum:,09:08:25
,Date of Maximum:,12/05/2011

Calibration,Sensor:,AEROSOL
,Cal. date,10/24/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
12/05/2011,09:08:25,0.074
12/05/2011,09:23:25,0.057
12/05/2011,09:38:25,0.054
12/05/2011,09:53:25,0.053
12/05/2011,10:08:25,0.055
12/05/2011,10:23:25,0.053
12/05/2011,10:38:25,0.059
12/05/2011,10:53:25,0.060
12/05/2011,11:08:25,0.058
12/05/2011,11:23:25,0.054
12/05/2011,11:38:25,0.054
12/05/2011,11:53:25,0.055
12/05/2011,12:08:25,0.055
12/05/2011,12:23:25,0.056
12/05/2011,12:38:25,0.057
12/05/2011,12:53:25,0.054
12/05/2011,13:08:25,0.072
12/05/2011,13:23:25,0.058
12/05/2011,13:38:25,0.057
12/05/2011,13:53:25,0.057
12/05/2011,14:08:25,0.051
12/05/2011,14:23:25,0.050
12/05/2011,14:38:25,0.061
12/05/2011,14:53:25,0.057
12/05/2011,15:25:00,0.000

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114322
Test ID:,011
Test Abbreviation:,MANUAL_011
Start Date:,12/07/2011
Start Time:,07:51:46
Duration (dd:hh:mm:ss):,0:07:30:00
Log Interval (mm:ss):,15:00
Number of points:,30
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.031
,Minimum:,0.012
,Time of Minimum:,08:06:46
,Date of Minimum:,12/07/2011
,Maximum:,0.050
,Time of Maximum:,13:36:46
,Date of Maximum:,12/07/2011

Calibration,Sensor:,AEROSOL
,Cal. date,10/24/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
12/07/2011,08:06:46,0.012
12/07/2011,08:21:46,0.015
12/07/2011,08:36:46,0.019
12/07/2011,08:51:46,0.019
12/07/2011,09:06:46,0.030
12/07/2011,09:21:46,0.044
12/07/2011,09:36:46,0.038
12/07/2011,09:51:46,0.030
12/07/2011,10:06:46,0.016
12/07/2011,10:21:46,0.016
12/07/2011,10:36:46,0.020
12/07/2011,10:51:46,0.025
12/07/2011,11:06:46,0.035
12/07/2011,11:21:46,0.037
12/07/2011,11:36:46,0.039
12/07/2011,11:51:46,0.042
12/07/2011,12:06:46,0.042
12/07/2011,12:21:46,0.047
12/07/2011,12:36:46,0.045
12/07/2011,12:51:46,0.042
12/07/2011,13:06:46,0.040
12/07/2011,13:21:46,0.038
12/07/2011,13:36:46,0.050
12/07/2011,13:51:46,0.027
12/07/2011,14:06:46,0.025
12/07/2011,14:21:46,0.024
12/07/2011,14:36:46,0.024
12/07/2011,14:51:46,0.024
12/07/2011,15:06:46,0.024
12/07/2011,15:21:46,0.029

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114322
Test ID:,012
Test Abbreviation:,MANUAL_012
Start Date:,12/08/2011
Start Time:,08:35:28
Duration (dd:hh:mm:ss):,0:07:03:00
Log Interval (mm:ss):,15:00
Number of points:,26
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.027
,Minimum:,0.000
,Time of Minimum:,15:38:48

,Date of Minimum:,12/08/2011
,Maximum:,0.080
,Time of Maximum:,14:05:28
,Date of Maximum:,12/08/2011

Calibration,Sensor:,AEROSOL
,Cal. date,10/24/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
12/08/2011,08:50:28,0.035
12/08/2011,09:05:28,0.030
12/08/2011,09:20:28,0.031
12/08/2011,09:35:28,0.034
12/08/2011,09:50:28,0.029
12/08/2011,10:05:28,0.037
12/08/2011,10:20:28,0.030
12/08/2011,10:35:28,0.024
12/08/2011,10:50:28,0.026
12/08/2011,11:05:28,0.034
12/08/2011,11:20:28,0.035
12/08/2011,11:35:28,0.022
12/08/2011,11:50:28,0.023
12/08/2011,12:05:28,0.020
12/08/2011,12:20:28,0.019
12/08/2011,12:35:28,0.020
12/08/2011,12:50:28,0.017
12/08/2011,13:05:28,0.016
12/08/2011,13:20:28,0.016
12/08/2011,13:35:28,0.015
12/08/2011,13:50:28,0.016
12/08/2011,14:05:28,0.080
12/08/2011,14:20:28,0.037
12/08/2011,14:35:28,0.025
12/08/2011,14:50:28,0.020
12/08/2011,15:38:48,0.000

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114322
Test ID:,013
Test Abbreviation:,MANUAL_013
Start Date:,12/09/2011
Start Time:,08:28:22
Duration (dd:hh:mm:ss):,0:06:45:00
Log Interval (mm:ss):,15:00
Number of points:,27
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.057
,Minimum:,0.000
,Time of Minimum:,15:12:37
,Date of Minimum:,12/09/2011
,Maximum:,0.082
,Time of Maximum:,11:13:22
,Date of Maximum:,12/09/2011

Calibration,Sensor:,AEROSOL
,Cal. date,10/24/2011

Date,Time,AEROSOL

```
MM/dd/yyyy,hh:mm:ss,mg/m^3
12/09/2011,08:43:22,0.052
12/09/2011,08:58:22,0.057
12/09/2011,09:13:22,0.056
12/09/2011,09:28:22,0.063
12/09/2011,09:43:22,0.071
12/09/2011,09:58:22,0.064
12/09/2011,10:13:22,0.057
12/09/2011,10:28:22,0.055
12/09/2011,10:43:22,0.063
12/09/2011,10:58:22,0.067
12/09/2011,11:13:22,0.082
12/09/2011,11:28:22,0.082
12/09/2011,11:43:22,0.058
12/09/2011,11:58:22,0.059
12/09/2011,12:13:22,0.053
12/09/2011,12:28:22,0.068
12/09/2011,12:43:22,0.055
12/09/2011,12:58:22,0.057
12/09/2011,13:13:22,0.060
12/09/2011,13:28:22,0.064
12/09/2011,13:43:22,0.063
12/09/2011,13:58:22,0.055
12/09/2011,14:13:22,0.047
12/09/2011,14:28:22,0.048
12/09/2011,14:43:22,0.055
12/09/2011,15:12:37,0.000
12/09/2011,15:13:22,0.029

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114322
Test ID:,014
Test Abbreviation:,MANUAL_014
Start Date:,12/13/2011
Start Time:,07:53:58
Duration (dd:hh:mm:ss):,1:07:43:00
Log Interval (mm:ss):,15:00
Number of points:,50
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.083
,Minimum:,0.000
,Time of Minimum:,18:19:52
,Date of Minimum:,12/13/2011
,Maximum:,0.117
,Time of Maximum:,12:38:58
,Date of Maximum:,12/14/2011

Calibration,Sensor:,AEROSOL
,Cal. date,10/24/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
12/13/2011,08:08:58,0.060
12/13/2011,08:23:58,0.061
12/13/2011,08:38:58,0.066
12/13/2011,08:53:58,0.082
12/13/2011,09:08:58,0.075
12/13/2011,09:23:58,0.072
12/13/2011,09:38:58,0.087
```

12/13/2011,09:53:58,0.085
12/13/2011,10:08:58,0.078
12/13/2011,10:23:58,0.078
12/13/2011,10:38:58,0.080
12/13/2011,18:19:52,0.000
12/14/2011,05:36:05,0.000
12/14/2011,06:46:43,0.000
12/14/2011,06:53:58,0.084
12/14/2011,07:08:58,0.097
12/14/2011,07:23:58,0.112
12/14/2011,07:38:58,0.111
12/14/2011,07:53:58,0.116
12/14/2011,08:08:58,0.103
12/14/2011,08:23:58,0.092
12/14/2011,08:38:58,0.094
12/14/2011,08:53:58,0.088
12/14/2011,09:08:58,0.089
12/14/2011,09:23:58,0.090
12/14/2011,09:38:58,0.084
12/14/2011,09:53:58,0.082
12/14/2011,10:08:58,0.091
12/14/2011,10:23:58,0.093
12/14/2011,10:38:58,0.098
12/14/2011,10:53:58,0.088
12/14/2011,11:08:58,0.091
12/14/2011,11:23:58,0.098
12/14/2011,11:38:58,0.104
12/14/2011,11:53:58,0.110
12/14/2011,12:08:58,0.112
12/14/2011,12:23:58,0.109
12/14/2011,12:38:58,0.117
12/14/2011,12:53:58,0.112
12/14/2011,13:08:58,0.105
12/14/2011,13:23:58,0.110
12/14/2011,13:38:58,0.106
12/14/2011,13:53:58,0.094
12/14/2011,14:08:58,0.089
12/14/2011,14:23:58,0.093
12/14/2011,14:38:58,0.086
12/14/2011,14:53:58,0.091
12/14/2011,15:08:58,0.087
12/14/2011,15:36:48,0.000
12/14/2011,15:37:44,0.000

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114322
Test ID:,015
Test Abbreviation:,MANUAL_015
Start Date:,12/15/2011
Start Time:,06:44:17
Duration (dd:hh:mm:ss):,0:09:02:00
Log Interval (mm:ss):,15:00
Number of points:,34
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.028
,Minimum:,0.000
,Time of Minimum:,15:46:57
,Date of Minimum:,12/15/2011
,Maximum:,0.045

,Time of Maximum:,07:59:17
,Date of Maximum:,12/15/2011

Calibration,Sensor:,AEROSOL
,Cal. date,10/24/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
12/15/2011,06:59:17,0.043
12/15/2011,07:14:17,0.044
12/15/2011,07:29:17,0.033
12/15/2011,07:44:17,0.033
12/15/2011,07:59:17,0.045
12/15/2011,08:14:17,0.032
12/15/2011,08:29:17,0.028
12/15/2011,08:44:17,0.026
12/15/2011,08:59:17,0.026
12/15/2011,09:14:17,0.031
12/15/2011,09:29:17,0.035
12/15/2011,09:44:17,0.032
12/15/2011,09:59:17,0.033
12/15/2011,10:14:17,0.030
12/15/2011,10:29:17,0.026
12/15/2011,10:44:17,0.033
12/15/2011,10:59:17,0.031
12/15/2011,11:14:17,0.029
12/15/2011,11:29:17,0.026
12/15/2011,11:44:17,0.029
12/15/2011,11:59:17,0.028
12/15/2011,12:14:17,0.022
12/15/2011,12:29:17,0.022
12/15/2011,12:44:17,0.024
12/15/2011,12:59:17,0.024
12/15/2011,13:14:17,0.020
12/15/2011,13:29:17,0.019
12/15/2011,13:44:17,0.021
12/15/2011,13:59:17,0.018
12/15/2011,14:14:17,0.024
12/15/2011,14:29:17,0.026
12/15/2011,14:44:17,0.033
12/15/2011,14:59:17,0.030
12/15/2011,15:46:57,0.000

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11/11/11 14:57

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-906602
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	00000001

Begin	2011/11/11 14:57:03
End	2011/11/11 14:57:13
Sample Period(s)	900
Number of Records	0

Sensor	VOC(ppm)
Span	100.000
Span H	N/A
Low Alarm	50.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	2.000
TWA Alarm	10.000
Measurement Gas	Isobutene
Calibration Time	2011/11/11 12:41

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Datalog

0 record.

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11/11/14 08:12

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-906602
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	00000001

Begin	2011/11/14 08:12:44
End	2011/11/14 15:05:54
Sample Period(s)	900
Number of Records	27

Sensor	VOC(ppm)
Span	100.000
Span H	N/A
Low Alarm	50.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	2.000
TWA Alarm	10.000
Measurement Gas	Isobutene
Calibration Time	2011/11/11 12:41
Peak	1.464
Valley	0.000
Average	0.098

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Datalog

Index	Date/Time	VOC(ppm)(Avg)
001	2011/11/14 08:27:44	1.179
002	2011/11/14 08:42:44	1.464
003	2011/11/14 08:57:44	0.000
004	2011/11/14 09:12:44	0.000
005	2011/11/14 09:27:44	0.000
006	2011/11/14 09:42:44	0.000
007	2011/11/14 09:57:44	0.000
008	2011/11/14 10:12:44	0.000
009	2011/11/14 10:27:44	0.000
010	2011/11/14 10:42:44	0.000
011	2011/11/14 10:57:44	0.000
012	2011/11/14 11:12:44	0.000
013	2011/11/14 11:27:44	0.000
014	2011/11/14 11:42:44	0.000
015	2011/11/14 11:57:44	0.000
016	2011/11/14 12:12:44	0.000
017	2011/11/14 12:27:44	0.000
018	2011/11/14 12:42:44	0.000
019	2011/11/14 12:57:44	0.000
020	2011/11/14 13:12:44	0.000
021	2011/11/14 13:27:44	0.000
022	2011/11/14 13:42:44	0.000
023	2011/11/14 13:57:44	0.000
024	2011/11/14 14:12:44	0.000
025	2011/11/14 14:27:44	0.000
026	2011/11/14 14:42:44	0.000
027	2011/11/14 14:57:44	0.000

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TWA/STEL

Index	Date/Time	VOC(ppm)(TWA)	VOC(ppm)(STEL)
001	2011/11/14 08:27:44	0.037	1.179
002	2011/11/14 08:42:44	0.083	1.464
003	2011/11/14 08:57:44	0.083	0.000
004	2011/11/14 09:12:44	0.083	0.000
005	2011/11/14 09:27:44	0.083	0.000
006	2011/11/14 09:42:44	0.083	0.000
007	2011/11/14 09:57:44	0.083	0.000
008	2011/11/14 10:12:44	0.083	0.000
009	2011/11/14 10:27:44	0.083	0.000
010	2011/11/14 10:42:44	0.083	0.000
011	2011/11/14 10:57:44	0.083	0.000
012	2011/11/14 11:12:44	0.083	0.000
013	2011/11/14 11:27:44	0.083	0.000
014	2011/11/14 11:42:44	0.083	0.000
015	2011/11/14 11:57:44	0.083	0.000

016	2011/11/14 12:12:44	0.083	0.000
017	2011/11/14 12:27:44	0.083	0.000
018	2011/11/14 12:42:44	0.083	0.000
019	2011/11/14 12:57:44	0.083	0.000
020	2011/11/14 13:12:44	0.083	0.000
021	2011/11/14 13:27:44	0.083	0.000
022	2011/11/14 13:42:44	0.083	0.000
023	2011/11/14 13:57:44	0.083	0.000
024	2011/11/14 14:12:44	0.083	0.000
025	2011/11/14 14:27:44	0.083	0.000
026	2011/11/14 14:42:44	0.083	0.000
027	2011/11/14 14:57:44	0.083	0.000

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11/11/15 08:08

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-906602
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	00000001

Begin	2011/11/15 08:08:47
End	2011/11/15 15:33:51
Sample Period(s)	900
Number of Records	29

Sensor	VOC(ppm)
Span	100.000
Span H	N/A
Low Alarm	50.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	2.000
TWA Alarm	10.000
Measurement Gas	Isobutene
Calibration Time	2011/11/11 12:41
Peak	0.000
Valley	0.000
Average	0.000

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Datalog

Index	Date/Time	VOC(ppm)(Avg)
001	2011/11/15 08:23:47	0.000
002	2011/11/15 08:38:47	0.000
003	2011/11/15 08:53:47	0.000
004	2011/11/15 09:08:47	0.000
005	2011/11/15 09:23:47	0.000
006	2011/11/15 09:38:47	0.000
007	2011/11/15 09:53:47	0.000
008	2011/11/15 10:08:47	0.000
009	2011/11/15 10:23:47	0.000

010	2011/11/15 10:38:47	0.000
011	2011/11/15 10:53:47	0.000
012	2011/11/15 11:08:47	0.000
013	2011/11/15 11:23:47	0.000
014	2011/11/15 11:38:47	0.000
015	2011/11/15 11:53:47	0.000
016	2011/11/15 12:08:47	0.000
017	2011/11/15 12:23:47	0.000
018	2011/11/15 12:38:47	0.000
019	2011/11/15 12:53:47	0.000
020	2011/11/15 13:08:47	0.000
021	2011/11/15 13:23:47	0.000
022	2011/11/15 13:38:47	0.000
023	2011/11/15 13:53:47	0.000
024	2011/11/15 14:08:47	0.000
025	2011/11/15 14:23:47	0.000
026	2011/11/15 14:38:47	0.000
027	2011/11/15 14:53:47	0.000
028	2011/11/15 15:08:47	0.000
029	2011/11/15 15:23:47	0.000

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TWA/STEL

Index	Date/Time	VOC(ppm)(TWA)	VOC(ppm)(STEL)
001	2011/11/15 08:23:47	0.000	0.000
002	2011/11/15 08:38:47	0.000	0.000
003	2011/11/15 08:53:47	0.000	0.000
004	2011/11/15 09:08:47	0.000	0.000
005	2011/11/15 09:23:47	0.000	0.000
006	2011/11/15 09:38:47	0.000	0.000
007	2011/11/15 09:53:47	0.000	0.000
008	2011/11/15 10:08:47	0.000	0.000
009	2011/11/15 10:23:47	0.000	0.000
010	2011/11/15 10:38:47	0.000	0.000
011	2011/11/15 10:53:47	0.000	0.000
012	2011/11/15 11:08:47	0.000	0.000
013	2011/11/15 11:23:47	0.000	0.000
014	2011/11/15 11:38:47	0.000	0.000
015	2011/11/15 11:53:47	0.000	0.000
016	2011/11/15 12:08:47	0.000	0.000
017	2011/11/15 12:23:47	0.000	0.000
018	2011/11/15 12:38:47	0.000	0.000
019	2011/11/15 12:53:47	0.000	0.000
020	2011/11/15 13:08:47	0.000	0.000
021	2011/11/15 13:23:47	0.000	0.000
022	2011/11/15 13:38:47	0.000	0.000
023	2011/11/15 13:53:47	0.000	0.000
024	2011/11/15 14:08:47	0.000	0.000
025	2011/11/15 14:23:47	0.000	0.000
026	2011/11/15 14:38:47	0.000	0.000
027	2011/11/15 14:53:47	0.000	0.000
028	2011/11/15 15:08:47	0.000	0.000
029	2011/11/15 15:23:47	0.000	0.000

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11/11/17 08:35

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-906602
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	00000001

Begin	2011/11/17 08:35:48
End	2011/11/17 15:29:15
Sample Period(s)	900
Number of Records	27

Sensor	VOC(ppm)
Span	100.000
Span H	N/A
Low Alarm	50.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	2.000
TWA Alarm	10.000
Measurement Gas	Isobutene
Calibration Time	2011/11/11 12:41
Peak	0.000
Valley	0.000
Average	0.000

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Datalog

Index	Date/Time	VOC(ppm)(Avg)
001	2011/11/17 08:50:48	0.000
002	2011/11/17 09:05:48	0.000
003	2011/11/17 09:20:48	0.000
004	2011/11/17 09:35:48	0.000
005	2011/11/17 09:50:48	0.000
006	2011/11/17 10:05:48	0.000
007	2011/11/17 10:20:48	0.000
008	2011/11/17 10:35:48	0.000
009	2011/11/17 10:50:48	0.000
010	2011/11/17 11:05:48	0.000
011	2011/11/17 11:20:48	0.000
012	2011/11/17 11:35:48	0.000
013	2011/11/17 11:50:48	0.000
014	2011/11/17 12:05:48	0.000
015	2011/11/17 12:20:48	0.000
016	2011/11/17 12:35:48	0.000
017	2011/11/17 12:50:48	0.000
018	2011/11/17 13:05:48	0.000
019	2011/11/17 13:20:48	0.000
020	2011/11/17 13:35:48	0.000
021	2011/11/17 13:50:48	0.000
022	2011/11/17 14:05:48	0.000
023	2011/11/17 14:20:48	0.000
024	2011/11/17 14:35:48	0.000
025	2011/11/17 14:50:48	0.000
026	2011/11/17 15:05:48	0.000
027	2011/11/17 15:20:48	0.000

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TWA/STEL

Index	Date/Time	VOC(ppm)(TWA)	VOC(ppm)(STEL)

001	2011/11/17 08:50:48	0.000	0.000
002	2011/11/17 09:05:48	0.000	0.000
003	2011/11/17 09:20:48	0.000	0.000
004	2011/11/17 09:35:48	0.000	0.000
005	2011/11/17 09:50:48	0.000	0.000
006	2011/11/17 10:05:48	0.000	0.000
007	2011/11/17 10:20:48	0.000	0.000
008	2011/11/17 10:35:48	0.000	0.000
009	2011/11/17 10:50:48	0.000	0.000
010	2011/11/17 11:05:48	0.000	0.000
011	2011/11/17 11:20:48	0.000	0.000
012	2011/11/17 11:35:48	0.000	0.000
013	2011/11/17 11:50:48	0.000	0.000
014	2011/11/17 12:05:48	0.000	0.000
015	2011/11/17 12:20:48	0.000	0.000
016	2011/11/17 12:35:48	0.000	0.000
017	2011/11/17 12:50:48	0.000	0.000
018	2011/11/17 13:05:48	0.000	0.000
019	2011/11/17 13:20:48	0.000	0.000
020	2011/11/17 13:35:48	0.000	0.000
021	2011/11/17 13:50:48	0.000	0.000
022	2011/11/17 14:05:48	0.000	0.000
023	2011/11/17 14:20:48	0.000	0.000
024	2011/11/17 14:35:48	0.000	0.000
025	2011/11/17 14:50:48	0.000	0.000
026	2011/11/17 15:05:48	0.000	0.000
027	2011/11/17 15:20:48	0.000	0.000

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11/11/18 07:58

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-906602
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	00000001

Begin	2011/11/18 07:58:41
End	2011/11/18 12:01:48
Sample Period(s)	900
Number of Records	16

Sensor	VOC(ppm)
Span	100.000
Span H	N/A
Low Alarm	50.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	2.000
TWA Alarm	10.000
Measurement Gas	Isobutene
Calibration Time	2011/11/11 12:41
Peak	0.000

Valley	0.000
Average	0.000

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Datalog

Index	Date/Time	VOC(ppm)(Avg)
001	2011/11/18 08:13:41	0.000
002	2011/11/18 08:28:41	0.000
003	2011/11/18 08:43:41	0.000
004	2011/11/18 08:58:41	0.000
005	2011/11/18 09:13:41	0.000
006	2011/11/18 09:28:41	0.000
007	2011/11/18 09:43:41	0.000
008	2011/11/18 09:58:41	0.000
009	2011/11/18 10:13:41	0.000
010	2011/11/18 10:28:41	0.000
011	2011/11/18 10:43:41	0.000
012	2011/11/18 10:58:41	0.000
013	2011/11/18 11:13:41	0.000
014	2011/11/18 11:28:41	0.000
015	2011/11/18 11:43:41	0.000
016	2011/11/18 11:58:41	0.000

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TWA/STEL

Index	Date/Time	VOC(ppm)(TWA)	VOC(ppm)(STEL)
001	2011/11/18 08:13:41	0.000	0.000
002	2011/11/18 08:28:41	0.000	0.000
003	2011/11/18 08:43:41	0.000	0.000
004	2011/11/18 08:58:41	0.000	0.000
005	2011/11/18 09:13:41	0.000	0.000
006	2011/11/18 09:28:41	0.000	0.000
007	2011/11/18 09:43:41	0.000	0.000
008	2011/11/18 09:58:41	0.000	0.000
009	2011/11/18 10:13:41	0.000	0.000
010	2011/11/18 10:28:41	0.000	0.000
011	2011/11/18 10:43:41	0.000	0.000
012	2011/11/18 10:58:41	0.000	0.000
013	2011/11/18 11:13:41	0.000	0.000
014	2011/11/18 11:28:41	0.000	0.000
015	2011/11/18 11:43:41	0.000	0.000
016	2011/11/18 11:58:41	0.000	0.000

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11/11/23 08:08

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-906602
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	00000001

Begin	2011/11/23 08:08:04

End	2011/11/23 13:59:30
Sample Period(s)	900
Number of Records	23

Sensor	VOC(ppm)
Span	100.000
Span H	N/A
Low Alarm	50.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	2.000
TWA Alarm	10.000
Measurement Gas	Isobutene
Calibration Time	2011/11/11 12:41
Peak	0.004
Valley	0.000
Average	0.000

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Datalog

Index	Date/Time	VOC(ppm)(Avg)
001	2011/11/23 08:23:04	0.000
002	2011/11/23 08:38:04	0.000
003	2011/11/23 08:53:04	0.000
004	2011/11/23 09:08:04	0.000
005	2011/11/23 09:23:04	0.000
006	2011/11/23 09:38:04	0.000
007	2011/11/23 09:53:04	0.004
008	2011/11/23 10:08:04	0.000
009	2011/11/23 10:23:04	0.000
010	2011/11/23 10:38:04	0.000
011	2011/11/23 10:53:04	0.000
012	2011/11/23 11:08:04	0.000
013	2011/11/23 11:23:04	0.000
014	2011/11/23 11:38:04	0.000
015	2011/11/23 11:53:04	0.000
016	2011/11/23 12:08:04	0.000
017	2011/11/23 12:23:04	0.000
018	2011/11/23 12:38:04	0.000
019	2011/11/23 12:53:04	0.000
020	2011/11/23 13:08:04	0.000
021	2011/11/23 13:23:04	0.000
022	2011/11/23 13:38:04	0.000
023	2011/11/23 13:53:04	0.000

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TWA/STEL

Index	Date/Time	VOC(ppm)(TWA)	VOC(ppm)(STEL)
001	2011/11/23 08:23:04	0.000	0.000
002	2011/11/23 08:38:04	0.000	0.000
003	2011/11/23 08:53:04	0.000	0.000
004	2011/11/23 09:08:04	0.000	0.000
005	2011/11/23 09:23:04	0.000	0.000
006	2011/11/23 09:38:04	0.000	0.000
007	2011/11/23 09:53:04	0.000	0.004
008	2011/11/23 10:08:04	0.000	0.000
009	2011/11/23 10:23:04	0.000	0.000
010	2011/11/23 10:38:04	0.000	0.000
011	2011/11/23 10:53:04	0.000	0.000
012	2011/11/23 11:08:04	0.000	0.000
013	2011/11/23 11:23:04	0.000	0.000
014	2011/11/23 11:38:04	0.000	0.000
015	2011/11/23 11:53:04	0.000	0.000

016	2011/11/23 12:08:04	0.000	0.000
017	2011/11/23 12:23:04	0.000	0.000
018	2011/11/23 12:38:04	0.000	0.000
019	2011/11/23 12:53:04	0.000	0.000
020	2011/11/23 13:08:04	0.000	0.000
021	2011/11/23 13:23:04	0.000	0.000
022	2011/11/23 13:38:04	0.000	0.000
023	2011/11/23 13:53:04	0.000	0.000

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11/11/28 08:12

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-906602
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	00000001

Begin	2011/11/28 08:12:29
End	2011/11/28 14:54:32
Sample Period(s)	900
Number of Records	26

Sensor	VOC(ppm)
Span	100.000
Span H	N/A
Low Alarm	50.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	2.000
TWA Alarm	10.000
Measurement Gas	Isobutene
Calibration Time	2011/11/11 12:41
Peak	0.204
Valley	0.000
Average	0.010

****

Datalog

Index	Date/Time	VOC(ppm)(Avg)
001	2011/11/28 08:27:29	0.000
002	2011/11/28 08:42:29	0.000
003	2011/11/28 08:57:29	0.000
004	2011/11/28 09:12:29	0.000
005	2011/11/28 09:27:29	0.000
006	2011/11/28 09:42:29	0.000
007	2011/11/28 09:57:29	0.000
008	2011/11/28 10:12:29	0.000
009	2011/11/28 10:27:29	0.000
010	2011/11/28 10:42:29	0.000
011	2011/11/28 10:57:29	0.000
012	2011/11/28 11:12:29	0.000
013	2011/11/28 11:27:29	0.000

014	2011/11/28 11:42:29	0.000
015	2011/11/28 11:57:29	0.000
016	2011/11/28 12:12:29	0.000
017	2011/11/28 12:27:29	0.000
018	2011/11/28 12:42:29	0.204
019	2011/11/28 12:57:29	0.000
020	2011/11/28 13:12:29	0.000
021	2011/11/28 13:27:29	0.000
022	2011/11/28 13:42:29	0.045
023	2011/11/28 13:57:29	0.006
024	2011/11/28 14:12:29	0.000
025	2011/11/28 14:27:29	0.000
026	2011/11/28 14:42:29	0.000

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TWA/STEL

Index	Date/Time	VOC(ppm)(TWA)	VOC(ppm)(STEL)
001	2011/11/28 08:27:29	0.000	0.000
002	2011/11/28 08:42:29	0.000	0.000
003	2011/11/28 08:57:29	0.000	0.000
004	2011/11/28 09:12:29	0.000	0.000
005	2011/11/28 09:27:29	0.000	0.000
006	2011/11/28 09:42:29	0.000	0.000
007	2011/11/28 09:57:29	0.000	0.000
008	2011/11/28 10:12:29	0.000	0.000
009	2011/11/28 10:27:29	0.000	0.000
010	2011/11/28 10:42:29	0.000	0.000
011	2011/11/28 10:57:29	0.000	0.000
012	2011/11/28 11:12:29	0.000	0.000
013	2011/11/28 11:27:29	0.000	0.000
014	2011/11/28 11:42:29	0.000	0.000
015	2011/11/28 11:57:29	0.000	0.000
016	2011/11/28 12:12:29	0.000	0.000
017	2011/11/28 12:27:29	0.000	0.000
018	2011/11/28 12:42:29	0.006	0.204
019	2011/11/28 12:57:29	0.006	0.000
020	2011/11/28 13:12:29	0.006	0.000
021	2011/11/28 13:27:29	0.006	0.000
022	2011/11/28 13:42:29	0.008	0.045
023	2011/11/28 13:57:29	0.008	0.006
024	2011/11/28 14:12:29	0.008	0.000
025	2011/11/28 14:27:29	0.008	0.000
026	2011/11/28 14:42:29	0.008	0.000

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11/11/29 08:36

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-906602
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	00000001

Begin	2011/11/29 08:36:16
End	2011/11/29 15:07:04
Sample Period(s)	900
Number of Records	26

Sensor	VOC(ppm)
Span	100.000
Span H	N/A
Low Alarm	50.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	2.000
TWA Alarm	10.000
Measurement Gas	Isobutene
Calibration Time	2011/11/11 12:41
Peak	0.000
Valley	0.000
Average	0.000

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Datalog

Index	Date/Time	VOC(ppm)(Avg)
001	2011/11/29 08:51:16	0.000
002	2011/11/29 09:06:16	0.000
003	2011/11/29 09:21:16	0.000
004	2011/11/29 09:36:16	0.000
005	2011/11/29 09:51:16	0.000
006	2011/11/29 10:06:16	0.000
007	2011/11/29 10:21:16	0.000
008	2011/11/29 10:36:16	0.000
009	2011/11/29 10:51:16	0.000
010	2011/11/29 11:06:16	0.000
011	2011/11/29 11:21:16	0.000
012	2011/11/29 11:36:16	0.000
013	2011/11/29 11:51:16	0.000
014	2011/11/29 12:06:16	0.000
015	2011/11/29 12:21:16	0.000
016	2011/11/29 12:36:16	0.000
017	2011/11/29 12:51:16	0.000
018	2011/11/29 13:06:16	0.000
019	2011/11/29 13:21:16	0.000
020	2011/11/29 13:36:16	0.000
021	2011/11/29 13:51:16	0.000
022	2011/11/29 14:06:16	0.000
023	2011/11/29 14:21:16	0.000
024	2011/11/29 14:36:16	0.000
025	2011/11/29 14:51:16	0.000
026	2011/11/29 15:06:16	0.000

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TWA/STEL

Index	Date/Time	VOC(ppm)(TWA)	VOC(ppm)(STEL)
001	2011/11/29 08:51:16	0.000	0.000
002	2011/11/29 09:06:16	0.000	0.000
003	2011/11/29 09:21:16	0.000	0.000
004	2011/11/29 09:36:16	0.000	0.000
005	2011/11/29 09:51:16	0.000	0.000
006	2011/11/29 10:06:16	0.000	0.000
007	2011/11/29 10:21:16	0.000	0.000
008	2011/11/29 10:36:16	0.000	0.000
009	2011/11/29 10:51:16	0.000	0.000
010	2011/11/29 11:06:16	0.000	0.000
011	2011/11/29 11:21:16	0.000	0.000

012	2011/11/29 11:36:16	0.000	0.000
013	2011/11/29 11:51:16	0.000	0.000
014	2011/11/29 12:06:16	0.000	0.000
015	2011/11/29 12:21:16	0.000	0.000
016	2011/11/29 12:36:16	0.000	0.000
017	2011/11/29 12:51:16	0.000	0.000
018	2011/11/29 13:06:16	0.000	0.000
019	2011/11/29 13:21:16	0.000	0.000
020	2011/11/29 13:36:16	0.000	0.000
021	2011/11/29 13:51:16	0.000	0.000
022	2011/11/29 14:06:16	0.000	0.000
023	2011/11/29 14:21:16	0.000	0.000
024	2011/11/29 14:36:16	0.000	0.000
025	2011/11/29 14:51:16	0.000	0.000
026	2011/11/29 15:06:16	0.000	0.000

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11/12/02 08:30

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-906602
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	00000001

Begin	2011/12/02 08:30:34
End	2011/12/02 15:36:59
Sample Period(s)	900
Number of Records	28

Sensor	VOC(ppm)
Span	100.000
Span H	N/A
Low Alarm	50.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	2.000
TWA Alarm	10.000
Measurement Gas	Isobutene
Calibration Time	2011/11/11 12:41
Peak	0.000
Valley	0.000
Average	0.000

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Datalog

Index	Date/Time	VOC(ppm)(Avg)
001	2011/12/02 08:45:34	0.000
002	2011/12/02 09:00:34	0.000
003	2011/12/02 09:15:34	0.000
004	2011/12/02 09:30:34	0.000
005	2011/12/02 09:45:34	0.000
006	2011/12/02 10:00:34	0.000

007	2011/12/02 10:15:34	0.000
008	2011/12/02 10:30:34	0.000
009	2011/12/02 10:45:34	0.000
010	2011/12/02 11:00:34	0.000
011	2011/12/02 11:15:34	0.000
012	2011/12/02 11:30:34	0.000
013	2011/12/02 11:45:34	0.000
014	2011/12/02 12:00:34	0.000
015	2011/12/02 12:15:34	0.000
016	2011/12/02 12:30:34	0.000
017	2011/12/02 12:45:34	0.000
018	2011/12/02 13:00:34	0.000
019	2011/12/02 13:15:34	0.000
020	2011/12/02 13:30:34	0.000
021	2011/12/02 13:45:34	0.000
022	2011/12/02 14:00:34	0.000
023	2011/12/02 14:15:34	0.000
024	2011/12/02 14:30:34	0.000
025	2011/12/02 14:45:34	0.000
026	2011/12/02 15:00:34	0.000
027	2011/12/02 15:15:34	0.000
028	2011/12/02 15:30:34	0.000

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TWA/STEL

Index	Date/Time	VOC(ppm)(TWA)	VOC(ppm)(STEL)
001	2011/12/02 08:45:34	0.000	0.000
002	2011/12/02 09:00:34	0.000	0.000
003	2011/12/02 09:15:34	0.000	0.000
004	2011/12/02 09:30:34	0.000	0.000
005	2011/12/02 09:45:34	0.000	0.000
006	2011/12/02 10:00:34	0.000	0.000
007	2011/12/02 10:15:34	0.000	0.000
008	2011/12/02 10:30:34	0.000	0.000
009	2011/12/02 10:45:34	0.000	0.000
010	2011/12/02 11:00:34	0.000	0.000
011	2011/12/02 11:15:34	0.000	0.000
012	2011/12/02 11:30:34	0.000	0.000
013	2011/12/02 11:45:34	0.000	0.000
014	2011/12/02 12:00:34	0.000	0.000
015	2011/12/02 12:15:34	0.000	0.000
016	2011/12/02 12:30:34	0.000	0.000
017	2011/12/02 12:45:34	0.000	0.000
018	2011/12/02 13:00:34	0.000	0.000
019	2011/12/02 13:15:34	0.000	0.000
020	2011/12/02 13:30:34	0.000	0.000
021	2011/12/02 13:45:34	0.000	0.000
022	2011/12/02 14:00:34	0.000	0.000
023	2011/12/02 14:15:34	0.000	0.000
024	2011/12/02 14:30:34	0.000	0.000
025	2011/12/02 14:45:34	0.000	0.000
026	2011/12/02 15:00:34	0.000	0.000
027	2011/12/02 15:15:34	0.000	0.000
028	2011/12/02 15:30:34	0.000	0.000

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11/12/07 07:45

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-906602
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	RAE00000
User ID	00000001
Begin	2011/12/07 07:45:07
End	2011/12/07 15:38:29
Sample Period(s)	900
Number of Records	31
Sensor	VOC(ppm)
Span	100.000
Span H	N/A
Low Alarm	50.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	2.000
TWA Alarm	10.000
Measurement Gas	Isobutene
Calibration Time	2011/11/11 12:41
Peak	0.000
Valley	0.000
Average	0.000

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Datalog

Index	Date/Time	VOC(ppm)(Avg)
001	2011/12/07 08:00:07	0.000
002	2011/12/07 08:15:07	0.000
003	2011/12/07 08:30:07	0.000
004	2011/12/07 08:45:07	0.000
005	2011/12/07 09:00:07	0.000
006	2011/12/07 09:15:07	0.000
007	2011/12/07 09:30:07	0.000
008	2011/12/07 09:45:07	0.000
009	2011/12/07 10:00:07	0.000
010	2011/12/07 10:15:07	0.000
011	2011/12/07 10:30:07	0.000
012	2011/12/07 10:45:07	0.000
013	2011/12/07 11:00:07	0.000
014	2011/12/07 11:15:07	0.000
015	2011/12/07 11:30:07	0.000
016	2011/12/07 11:45:07	0.000
017	2011/12/07 12:00:07	0.000
018	2011/12/07 12:15:07	0.000
019	2011/12/07 12:30:07	0.000
020	2011/12/07 12:45:07	0.000
021	2011/12/07 13:00:07	0.000
022	2011/12/07 13:15:07	0.000
023	2011/12/07 13:30:07	0.000
024	2011/12/07 13:45:07	0.000
025	2011/12/07 14:00:07	0.000
026	2011/12/07 14:15:07	0.000
027	2011/12/07 14:30:07	0.000
028	2011/12/07 14:45:07	0.000
029	2011/12/07 15:00:07	0.000
030	2011/12/07 15:15:07	0.000

031 2011/12/07 15:30:07 0.000

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TWA/STEL

Index	Date/Time	VOC(ppm)(TWA)	VOC(ppm)(STEL)
001	2011/12/07 08:00:07	0.000	0.000
002	2011/12/07 08:15:07	0.000	0.000
003	2011/12/07 08:30:07	0.000	0.000
004	2011/12/07 08:45:07	0.000	0.000
005	2011/12/07 09:00:07	0.000	0.000
006	2011/12/07 09:15:07	0.000	0.000
007	2011/12/07 09:30:07	0.000	0.000
008	2011/12/07 09:45:07	0.000	0.000
009	2011/12/07 10:00:07	0.000	0.000
010	2011/12/07 10:15:07	0.000	0.000
011	2011/12/07 10:30:07	0.000	0.000
012	2011/12/07 10:45:07	0.000	0.000
013	2011/12/07 11:00:07	0.000	0.000
014	2011/12/07 11:15:07	0.000	0.000
015	2011/12/07 11:30:07	0.000	0.000
016	2011/12/07 11:45:07	0.000	0.000
017	2011/12/07 12:00:07	0.000	0.000
018	2011/12/07 12:15:07	0.000	0.000
019	2011/12/07 12:30:07	0.000	0.000
020	2011/12/07 12:45:07	0.000	0.000
021	2011/12/07 13:00:07	0.000	0.000
022	2011/12/07 13:15:07	0.000	0.000
023	2011/12/07 13:30:07	0.000	0.000
024	2011/12/07 13:45:07	0.000	0.000
025	2011/12/07 14:00:07	0.000	0.000
026	2011/12/07 14:15:07	0.000	0.000
027	2011/12/07 14:30:07	0.000	0.000
028	2011/12/07 14:45:07	0.000	0.000
029	2011/12/07 15:00:07	0.000	0.000
030	2011/12/07 15:15:07	0.000	0.000
031	2011/12/07 15:30:07	0.000	0.000

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11/12/08 08:38

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-906602
Unit Firmware Ver	V1.10A
Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	RAE00000
User ID	00000001
Begin	2011/12/08 08:38:33
End	2011/12/08 15:03:43
Sample Period(s)	900
Number of Records	25
Sensor	VOC(ppm)
Span	100.000

Span H	N/A
Low Alarm	50.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	2.000
TWA Alarm	10.000
Measurement Gas	Isobutene
Calibration Time	2011/11/11 12:41
Peak	0.000
Valley	0.000
Average	0.000

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Datalog

Index	Date/Time	VOC(ppm)(Avg)
001	2011/12/08 08:53:33	0.000
002	2011/12/08 09:08:33	0.000
003	2011/12/08 09:23:33	0.000
004	2011/12/08 09:38:33	0.000
005	2011/12/08 09:53:33	0.000
006	2011/12/08 10:08:33	0.000
007	2011/12/08 10:23:33	0.000
008	2011/12/08 10:38:33	0.000
009	2011/12/08 10:53:33	0.000
010	2011/12/08 11:08:33	0.000
011	2011/12/08 11:23:33	0.000
012	2011/12/08 11:38:33	0.000
013	2011/12/08 11:53:33	0.000
014	2011/12/08 12:08:33	0.000
015	2011/12/08 12:23:33	0.000
016	2011/12/08 12:38:33	0.000
017	2011/12/08 12:53:33	0.000
018	2011/12/08 13:08:33	0.000
019	2011/12/08 13:23:33	0.000
020	2011/12/08 13:38:33	0.000
021	2011/12/08 13:53:33	0.000
022	2011/12/08 14:08:33	0.000
023	2011/12/08 14:23:33	0.000
024	2011/12/08 14:38:33	0.000
025	2011/12/08 14:53:33	0.000

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TWA/STEL

Index	Date/Time	VOC(ppm)(TWA)	VOC(ppm)(STEL)
001	2011/12/08 08:53:33	0.000	0.000
002	2011/12/08 09:08:33	0.000	0.000
003	2011/12/08 09:23:33	0.000	0.000
004	2011/12/08 09:38:33	0.000	0.000
005	2011/12/08 09:53:33	0.000	0.000
006	2011/12/08 10:08:33	0.000	0.000
007	2011/12/08 10:23:33	0.000	0.000
008	2011/12/08 10:38:33	0.000	0.000
009	2011/12/08 10:53:33	0.000	0.000
010	2011/12/08 11:08:33	0.000	0.000
011	2011/12/08 11:23:33	0.000	0.000
012	2011/12/08 11:38:33	0.000	0.000
013	2011/12/08 11:53:33	0.000	0.000
014	2011/12/08 12:08:33	0.000	0.000
015	2011/12/08 12:23:33	0.000	0.000
016	2011/12/08 12:38:33	0.000	0.000
017	2011/12/08 12:53:33	0.000	0.000
018	2011/12/08 13:08:33	0.000	0.000
019	2011/12/08 13:23:33	0.000	0.000

020	2011/12/08 13:38:33	0.000	0.000
021	2011/12/08 13:53:33	0.000	0.000
022	2011/12/08 14:08:33	0.000	0.000
023	2011/12/08 14:23:33	0.000	0.000
024	2011/12/08 14:38:33	0.000	0.000
025	2011/12/08 14:53:33	0.000	0.000

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11/12/09 08:33

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-906602
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	00000001

Begin	2011/12/09 08:33:11
End	2011/12/09 14:55:32
Sample Period(s)	900
Number of Records	25

Sensor	VOC(ppm)
Span	100.000
Span H	N/A
Low Alarm	50.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	2.000
TWA Alarm	10.000
Measurement Gas	Isobutene
Calibration Time	2011/11/11 12:41
Peak	4294967.295
Valley	0.000
Average	858993.509

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Datalog

Index	Date/Time	VOC(ppm)(Avg)
001	2011/12/09 08:48:11	0.000
002	2011/12/09 09:03:11	0.000
003	2011/12/09 09:18:11	0.000
004	2011/12/09 09:33:11	0.000
005	2011/12/09 09:48:11	0.000
006	2011/12/09 10:03:11	0.000
007	2011/12/09 10:18:11	0.000
008	2011/12/09 10:33:11	0.000
009	2011/12/09 10:48:11	0.000
010	2011/12/09 11:03:11	0.000
011	2011/12/09 11:18:11	0.000
012	2011/12/09 11:33:11	0.000
013	2011/12/09 11:48:11	0.000
014	2011/12/09 12:03:11	0.000
015	2011/12/09 12:18:11	0.000

016	2011/12/09 12:33:11	0.000
017	2011/12/09 12:48:11	0.000
018	2011/12/09 13:03:11	0.000
019	2011/12/09 13:18:11	1.001
020	2011/12/09 13:33:11	0.255
021	2011/12/09 13:48:11	4294967.295
022	2011/12/09 14:03:11	4294967.295
023	2011/12/09 14:18:11	4294967.295
024	2011/12/09 14:33:11	4294967.295
025	2011/12/09 14:48:11	4294967.295

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TWA/STEL

Index	Date/Time	VOC(ppm)(TWA)	VOC(ppm)(STEL)
001	2011/12/09 08:48:11	0.000	0.000
002	2011/12/09 09:03:11	0.000	0.000
003	2011/12/09 09:18:11	0.000	0.000
004	2011/12/09 09:33:11	0.000	0.000
005	2011/12/09 09:48:11	0.000	0.000
006	2011/12/09 10:03:11	0.000	0.000
007	2011/12/09 10:18:11	0.000	0.000
008	2011/12/09 10:33:11	0.000	0.000
009	2011/12/09 10:48:11	0.000	0.000
010	2011/12/09 11:03:11	0.000	0.000
011	2011/12/09 11:18:11	0.000	0.000
012	2011/12/09 11:33:11	0.000	0.000
013	2011/12/09 11:48:11	0.000	0.000
014	2011/12/09 12:03:11	0.000	0.000
015	2011/12/09 12:18:11	0.000	0.000
016	2011/12/09 12:33:11	0.000	0.000
017	2011/12/09 12:48:11	0.000	0.000
018	2011/12/09 13:03:11	0.000	0.000
019	2011/12/09 13:18:11	0.031	1.001
020	2011/12/09 13:33:11	0.039	0.255
021	2011/12/09 13:48:11	134217.767	4294967.295
022	2011/12/09 14:03:11	268435.495	4294967.295
023	2011/12/09 14:18:11	402653.223	4294967.295
024	2011/12/09 14:33:11	536870.951	4294967.295
025	2011/12/09 14:48:11	671088.679	4294967.295

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11/12/13 06:47

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-906602
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	00000001

Begin	2011/12/13 06:47:10
End	2011/12/13 10:48:58
Sample Period(s)	900
Number of Records	16

Sensor	VOC(ppm)
Span	100.000
Span H	N/A
Low Alarm	50.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	2.000
TWA Alarm	10.000
Measurement Gas	Isobutene
Calibration Time	2011/11/11 12:41
Peak	0.000
Valley	0.000
Average	0.000

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Datalog

Index	Date/Time	VOC(ppm)(Avg)
001	2011/12/13 07:02:10	0.000
002	2011/12/13 07:17:10	0.000
003	2011/12/13 07:32:10	0.000
004	2011/12/13 07:47:10	0.000
005	2011/12/13 08:02:10	0.000
006	2011/12/13 08:17:10	0.000
007	2011/12/13 08:32:10	0.000
008	2011/12/13 08:47:10	0.000
009	2011/12/13 09:02:10	0.000
010	2011/12/13 09:17:10	0.000
011	2011/12/13 09:32:10	0.000
012	2011/12/13 09:47:10	0.000
013	2011/12/13 10:02:10	0.000
014	2011/12/13 10:17:10	0.000
015	2011/12/13 10:32:10	0.000
016	2011/12/13 10:47:10	0.000

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TWA/STEL

Index	Date/Time	VOC(ppm)(TWA)	VOC(ppm)(STEL)
001	2011/12/13 07:02:10	0.000	0.000
002	2011/12/13 07:17:10	0.000	0.000
003	2011/12/13 07:32:10	0.000	0.000
004	2011/12/13 07:47:10	0.000	0.000
005	2011/12/13 08:02:10	0.000	0.000
006	2011/12/13 08:17:10	0.000	0.000
007	2011/12/13 08:32:10	0.000	0.000
008	2011/12/13 08:47:10	0.000	0.000
009	2011/12/13 09:02:10	0.000	0.000
010	2011/12/13 09:17:10	0.000	0.000
011	2011/12/13 09:32:10	0.000	0.000
012	2011/12/13 09:47:10	0.000	0.000
013	2011/12/13 10:02:10	0.000	0.000
014	2011/12/13 10:17:10	0.000	0.000
015	2011/12/13 10:32:10	0.000	0.000
016	2011/12/13 10:47:10	0.000	0.000

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11/12/14 06:52

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-906602
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	RAE00000
User ID	00000001
Begin	2011/12/14 06:52:49
End	2011/12/14 15:21:00
Sample Period(s)	900
Number of Records	33
Sensor	VOC(ppm)
Span	100.000
Span H	N/A
Low Alarm	50.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	2.000
TWA Alarm	10.000
Measurement Gas	Isobutene
Calibration Time	2011/11/11 12:41
Peak	0.004
Valley	0.000
Average	0.000

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Datalog Index	Date/Time	VOC(ppm)(Avg)
001	2011/12/14 07:07:49	0.000
002	2011/12/14 07:22:49	0.000
003	2011/12/14 07:37:49	0.004
004	2011/12/14 07:52:49	0.000
005	2011/12/14 08:07:49	0.000
006	2011/12/14 08:22:49	0.000
007	2011/12/14 08:37:49	0.000
008	2011/12/14 08:52:49	0.000
009	2011/12/14 09:07:49	0.000
010	2011/12/14 09:22:49	0.000
011	2011/12/14 09:37:49	0.000
012	2011/12/14 09:52:49	0.000
013	2011/12/14 10:07:49	0.000
014	2011/12/14 10:22:49	0.000
015	2011/12/14 10:37:49	0.000
016	2011/12/14 10:52:49	0.000
017	2011/12/14 11:07:49	0.000
018	2011/12/14 11:22:49	0.000
019	2011/12/14 11:37:49	0.000
020	2011/12/14 11:52:49	0.000
021	2011/12/14 12:07:49	0.000
022	2011/12/14 12:22:49	0.000
023	2011/12/14 12:37:49	0.000
024	2011/12/14 12:52:49	0.000
025	2011/12/14 13:07:49	0.000
026	2011/12/14 13:22:49	0.000
027	2011/12/14 13:37:49	0.000
028	2011/12/14 13:52:49	0.000
029	2011/12/14 14:07:49	0.000
030	2011/12/14 14:22:49	0.000

031	2011/12/14 14:37:49	0.000
032	2011/12/14 14:52:49	0.000
033	2011/12/14 15:07:49	0.000

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TWA/STEL

Index	Date/Time	VOC(ppm)(TWA)	VOC(ppm)(STEL)
001	2011/12/14 07:07:49	0.000	0.000
002	2011/12/14 07:22:49	0.000	0.000
003	2011/12/14 07:37:49	0.000	0.004
004	2011/12/14 07:52:49	0.000	0.000
005	2011/12/14 08:07:49	0.000	0.000
006	2011/12/14 08:22:49	0.000	0.000
007	2011/12/14 08:37:49	0.000	0.000
008	2011/12/14 08:52:49	0.000	0.000
009	2011/12/14 09:07:49	0.000	0.000
010	2011/12/14 09:22:49	0.000	0.000
011	2011/12/14 09:37:49	0.000	0.000
012	2011/12/14 09:52:49	0.000	0.000
013	2011/12/14 10:07:49	0.000	0.000
014	2011/12/14 10:22:49	0.000	0.000
015	2011/12/14 10:37:49	0.000	0.000
016	2011/12/14 10:52:49	0.000	0.000
017	2011/12/14 11:07:49	0.000	0.000
018	2011/12/14 11:22:49	0.000	0.000
019	2011/12/14 11:37:49	0.000	0.000
020	2011/12/14 11:52:49	0.000	0.000
021	2011/12/14 12:07:49	0.000	0.000
022	2011/12/14 12:22:49	0.000	0.000
023	2011/12/14 12:37:49	0.000	0.000
024	2011/12/14 12:52:49	0.000	0.000
025	2011/12/14 13:07:49	0.000	0.000
026	2011/12/14 13:22:49	0.000	0.000
027	2011/12/14 13:37:49	0.000	0.000
028	2011/12/14 13:52:49	0.000	0.000
029	2011/12/14 14:07:49	0.000	0.000
030	2011/12/14 14:22:49	0.000	0.000
031	2011/12/14 14:37:49	0.000	0.000
032	2011/12/14 14:52:49	0.000	0.000
033	2011/12/14 15:07:49	0.000	0.000

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11/12/15 09:48

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-906602
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	00000001

Begin	2011/12/15 09:48:53
End	2011/12/15 11:11:04
Sample Period(s)	900

Number of Records	5

Sensor	VOC(ppm)
Span	100.000
Span H	N/A
Low Alarm	50.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	2.000
TWA Alarm	10.000
Measurement Gas	Isobutene
Calibration Time	2011/11/11 12:41
Peak	1.321
Valley	0.057
Average	0.414

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Datalog

Index	Date/Time	VOC(ppm)(Avg)
001	2011/12/15 10:03:53	0.463
002	2011/12/15 10:18:53	1.321
003	2011/12/15 10:33:53	0.077
004	2011/12/15 10:48:53	0.154
005	2011/12/15 11:03:53	0.057

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TWA/STEL

Index	Date/Time	VOC(ppm)(TWA)	VOC(ppm)(STEL)
001	2011/12/15 10:03:53	0.014	0.463
002	2011/12/15 10:18:53	0.056	1.321
003	2011/12/15 10:33:53	0.058	0.077
004	2011/12/15 10:48:53	0.063	0.154
005	2011/12/15 11:03:53	0.065	0.057

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11/12/15 12:47

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-906602
Unit Firmware Ver	V1.10A
Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	RAE00000
User ID	00000001
Begin	2011/12/15 12:47:03
End	2011/12/15 13:03:42
Sample Period(s)	900
Number of Records	1
Sensor	VOC(ppm)
Span	100.000
Span H	N/A
Low Alarm	50.000
High Alarm	100.000

Over Alarm	15000.000
STEL Alarm	2.000
TWA Alarm	10.000
Measurement Gas	Isobutene
Calibration Time	2011/11/11 12:41
Peak	26.618
Valley	26.618
Average	26.618

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Datalog

Index	Date/Time	VOC(ppm)(Avg)
001	2011/12/15 13:02:03	26.618

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TWA/STEL

Index	Date/Time	VOC(ppm)(TWA)	VOC(ppm)(STEL)
001	2011/12/15 13:02:03	0.832	26.618

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11/12/15 13:17

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-906602
Unit Firmware Ver	V1.10A
Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	RAE00000
User ID	00000001
Begin	2011/12/15 13:17:12
End	2011/12/15 13:23:31
Sample Period(s)	900
Number of Records	0
Sensor	VOC(ppm)
Span	100.000
Span H	N/A
Low Alarm	50.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	2.000
TWA Alarm	10.000
Measurement Gas	Isobutene
Calibration Time	2011/11/11 12:41

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Datalog

0 record.

11/12/05 14:29

Summary

Unit Name	MiniRAE 3000
Unit SN	592-906598
Unit Firmware Ver	V1.10A
Running Mode	Hygiene Mode
Measure Type	Avg; Max; Real
Datalog Mode	Continuous
Datalog Type	Manual
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	
User ID	
Begin	2011/12/05 14:29:39
End	2011/12/05 15:29:34
Sample Period(s)	60
Number of Records	59
Sensor	VOC(ppm)
Span	100.000
Span H	N/A
Low Alarm	50.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	2.000
TWA Alarm	10.000
Measurement Gas	Isobutylene
Calibration Time	2011/12/05 13:39
Peak	21.167
Valley	0.000
Average	0.726

Datalog

Index	Date/Time	VOC(ppm)(Avg)	VOC(ppm)(Max)	VOC(ppm)(Real)
001	2011/12/05 14:30:39	0.000	0.000	0.000
002	2011/12/05 14:31:39	0.000	0.000	0.000
003	2011/12/05 14:32:39	0.000	0.000	0.000
004	2011/12/05 14:33:39	0.000	0.000	0.000
005	2011/12/05 14:34:39	0.000	0.000	0.000
006	2011/12/05 14:35:39	0.000	0.000	0.000
007	2011/12/05 14:36:39	0.000	0.000	0.000
008	2011/12/05 14:37:39	0.000	0.000	0.000
009	2011/12/05 14:38:39	0.000	0.000	0.000
010	2011/12/05 14:39:39	0.000	0.000	0.000
011	2011/12/05 14:40:39	0.000	0.000	0.000
012	2011/12/05 14:41:39	0.000	0.000	0.000
013	2011/12/05 14:42:39	0.000	0.000	0.000
014	2011/12/05 14:43:39	0.000	0.000	0.000
015	2011/12/05 14:44:39	0.000	0.000	0.000
016	2011/12/05 14:45:39	0.000	0.000	0.000
017	2011/12/05 14:46:39	0.000	0.000	0.000
018	2011/12/05 14:47:39	0.000	0.000	0.000
019	2011/12/05 14:48:39	0.000	0.000	0.000
020	2011/12/05 14:49:39	0.000	0.000	0.000
021	2011/12/05 14:50:39	0.000	0.000	0.000
022	2011/12/05 14:51:39	0.000	0.000	0.000

023	2011/12/05 14:52:39	0.000	0.000	0.000
024	2011/12/05 14:53:39	0.000	0.000	0.000
025	2011/12/05 14:54:39	0.000	0.000	0.000
026	2011/12/05 14:55:39	0.000	0.000	0.000
027	2011/12/05 14:56:39	0.000	0.000	0.000
028	2011/12/05 14:57:39	0.000	0.000	0.000
029	2011/12/05 14:58:39	0.000	0.000	0.000
030	2011/12/05 14:59:39	0.000	0.000	0.000
031	2011/12/05 15:00:39	0.000	0.000	0.000
032	2011/12/05 15:01:39	0.031	0.413	0.000
033	2011/12/05 15:02:39	0.000	0.000	0.000
034	2011/12/05 15:03:39	0.000	0.000	0.000
035	2011/12/05 15:04:39	0.000	0.000	0.000
036	2011/12/05 15:05:39	0.032	0.440	0.000
037	2011/12/05 15:06:39	0.026	0.393	0.000
038	2011/12/05 15:07:39	0.236	2.926	0.275
039	2011/12/05 15:08:39	0.002	0.142	0.000
040	2011/12/05 15:09:39	0.000	0.000	0.000
041	2011/12/05 15:10:39	0.801	6.040	0.000
042	2011/12/05 15:11:39	1.098	6.917	0.000
043	2011/12/05 15:12:39	0.011	0.321	0.321
044	2011/12/05 15:13:39	2.884	18.727	0.010
045	2011/12/05 15:14:39	0.940	4.393	0.000
046	2011/12/05 15:15:39	0.000	0.000	0.000
047	2011/12/05 15:16:39	0.146	1.357	0.883
048	2011/12/05 15:17:39	0.048	0.894	0.000
049	2011/12/05 15:18:39	0.067	0.621	0.000
050	2011/12/05 15:19:39	0.010	0.153	0.000
051	2011/12/05 15:20:39	0.431	5.994	0.000
052	2011/12/05 15:21:39	1.993	12.243	5.229
053	2011/12/05 15:22:39	4.883	21.167	0.503
054	2011/12/05 15:23:39	0.143	1.240	0.000
055	2011/12/05 15:24:39	1.766	8.644	0.256
056	2011/12/05 15:25:39	0.671	3.648	0.000
057	2011/12/05 15:26:39	0.000	0.000	0.000
058	2011/12/05 15:27:39	0.184	2.403	0.000
059	2011/12/05 15:28:39	0.095	2.709	2.709

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TWA/STEL

Index	Date/Time	VOC(ppm)(TWA)	VOC(ppm)(STEL)
001	2011/12/05 14:30:39	0.000	0.000
002	2011/12/05 14:31:39	0.000	0.000
003	2011/12/05 14:32:39	0.000	0.000
004	2011/12/05 14:33:39	0.000	0.000
005	2011/12/05 14:34:39	0.000	0.000
006	2011/12/05 14:35:39	0.000	0.000
007	2011/12/05 14:36:39	0.000	0.000
008	2011/12/05 14:37:39	0.000	0.000
009	2011/12/05 14:38:39	0.000	0.000
010	2011/12/05 14:39:39	0.000	0.000
011	2011/12/05 14:40:39	0.000	0.000
012	2011/12/05 14:41:39	0.000	0.000
013	2011/12/05 14:42:39	0.000	0.000
014	2011/12/05 14:43:39	0.000	0.000
015	2011/12/05 14:44:39	0.000	0.000
016	2011/12/05 14:45:39	0.000	0.000
017	2011/12/05 14:46:39	0.000	0.000
018	2011/12/05 14:47:39	0.000	0.000
019	2011/12/05 14:48:39	0.000	0.000
020	2011/12/05 14:49:39	0.000	0.000
021	2011/12/05 14:50:39	0.000	0.000
022	2011/12/05 14:51:39	0.000	0.000

023	2011/12/05 14:52:39	0.000	0.000
024	2011/12/05 14:53:39	0.000	0.000
025	2011/12/05 14:54:39	0.000	0.000
026	2011/12/05 14:55:39	0.000	0.000
027	2011/12/05 14:56:39	0.000	0.000
028	2011/12/05 14:57:39	0.000	0.000
029	2011/12/05 14:58:39	0.000	0.000
030	2011/12/05 14:59:39	0.000	0.000
031	2011/12/05 15:00:39	0.000	0.000
032	2011/12/05 15:01:39	0.000	0.002
033	2011/12/05 15:02:39	0.000	0.002
034	2011/12/05 15:03:39	0.000	0.002
035	2011/12/05 15:04:39	0.000	0.002
036	2011/12/05 15:05:39	0.000	0.004
037	2011/12/05 15:06:39	0.000	0.006
038	2011/12/05 15:07:39	0.001	0.022
039	2011/12/05 15:08:39	0.001	0.022
040	2011/12/05 15:09:39	0.001	0.022
041	2011/12/05 15:10:39	0.002	0.075
042	2011/12/05 15:11:39	0.005	0.148
043	2011/12/05 15:12:39	0.005	0.149
044	2011/12/05 15:13:39	0.011	0.341
045	2011/12/05 15:14:39	0.013	0.404
046	2011/12/05 15:15:39	0.013	0.404
047	2011/12/05 15:16:39	0.013	0.412
048	2011/12/05 15:17:39	0.013	0.415
049	2011/12/05 15:18:39	0.013	0.419
050	2011/12/05 15:19:39	0.013	0.420
051	2011/12/05 15:20:39	0.014	0.447
052	2011/12/05 15:21:39	0.018	0.578
053	2011/12/05 15:22:39	0.028	0.888
054	2011/12/05 15:23:39	0.029	0.897
055	2011/12/05 15:24:39	0.032	1.015
056	2011/12/05 15:25:39	0.034	1.006
057	2011/12/05 15:26:39	0.034	0.933
058	2011/12/05 15:27:39	0.034	0.944
059	2011/12/05 15:28:39	0.034	0.758

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11/12/06 08:17

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-906598
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg; Max; Real
Datalog Mode	Continuous
Datalog Type	Manual
Diagnostic Mode	No
Stop Reason	Stop by User

Site ID	
User ID	

Begin	2011/12/06 08:17:23
End	2011/12/06 08:33:16
Sample Period(s)	60
Number of Records	15

Sensor	VOC(ppm)

Span	100.000
Span H	N/A
Low Alarm	50.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	2.000
TWA Alarm	10.000
Measurement Gas	Isobutylene
Calibration Time	2011/12/05 13:39
Peak	3.650
Valley	0.000
Average	0.155

****

Datalog

Index	Date/Time	VOC(ppm)(Avg)	VOC(ppm)(Max)	VOC(ppm)(Real)
001	2011/12/06 08:18:23	0.000	0.000	0.000
002	2011/12/06 08:19:23	0.000	0.000	0.000
003	2011/12/06 08:20:23	0.000	0.000	0.000
004	2011/12/06 08:21:23	0.061	1.398	1.398
005	2011/12/06 08:22:23	0.463	3.650	0.000
006	2011/12/06 08:23:23	0.000	0.000	0.000
007	2011/12/06 08:24:23	0.000	0.000	0.000
008	2011/12/06 08:25:23	0.000	0.000	0.000
009	2011/12/06 08:26:23	0.000	0.000	0.000
010	2011/12/06 08:27:23	0.000	0.000	0.000
011	2011/12/06 08:28:23	0.000	0.000	0.000
012	2011/12/06 08:29:23	0.000	0.000	0.000
013	2011/12/06 08:30:23	0.000	0.000	0.000
014	2011/12/06 08:31:23	0.000	0.000	0.000
015	2011/12/06 08:32:23	0.000	0.000	0.000

****

TWA/STEL

Index	Date/Time	VOC(ppm)(TWA)	VOC(ppm)(STEL)
001	2011/12/06 08:18:23	0.000	0.000
002	2011/12/06 08:19:23	0.000	0.000
003	2011/12/06 08:20:23	0.000	0.000
004	2011/12/06 08:21:23	0.000	0.004
005	2011/12/06 08:22:23	0.001	0.035
006	2011/12/06 08:23:23	0.001	0.035
007	2011/12/06 08:24:23	0.001	0.035
008	2011/12/06 08:25:23	0.001	0.035
009	2011/12/06 08:26:23	0.001	0.035
010	2011/12/06 08:27:23	0.001	0.035
011	2011/12/06 08:28:23	0.001	0.035
012	2011/12/06 08:29:23	0.001	0.035
013	2011/12/06 08:30:23	0.001	0.035
014	2011/12/06 08:31:23	0.001	0.035
015	2011/12/06 08:32:23	0.001	0.035

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11/11/11 12:53

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-905893
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	00000001

Begin	2011/11/11 12:53:56
End	2011/11/11 12:54:05
Sample Period(s)	60
Number of Records	0

Sensor	VOC(ppb)
Span	100000
Span H	N/A
Low Alarm	50000
High Alarm	100000
Over Alarm	15000000
STEL Alarm	25000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/11 12:40

****

Datalog

0 record.

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11/11/14 10:22

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-905893
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	00000001

Begin	2011/11/14 10:22:25
End	2011/11/14 10:23:21
Sample Period(s)	60
Number of Records	0

Sensor	VOC(ppb)
Span	100000
Span H	N/A
Low Alarm	50000
High Alarm	100000
Over Alarm	15000000
STEL Alarm	25000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/11 12:40

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Datalog
0 record.

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11/11/14 10:23

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-905893
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Pause in Menu Mode

Site ID	RAE00000
User ID	00000001

Begin	2011/11/14 10:23:47
End	2011/11/14 10:23:57
Sample Period(s)	60
Number of Records	0

Sensor	VOC(ppb)
Span	100000
Span H	N/A
Low Alarm	50000
High Alarm	100000
Over Alarm	15000000
STEL Alarm	25000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/11 12:40

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Datalog
0 record.

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11/11/14 10:24

****

Summary

Unit Name	MiniRAE 3000
Unit SN	592-905893
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Pause in Menu Mode

Site ID	RAE00000
User ID	00000001

Begin	2011/11/14 10:24:05
End	2011/11/14 10:24:08
Sample Period(s)	60
Number of Records	0

Sensor	VOC(ppb)
Span	100000
Span H	N/A
Low Alarm	50000
High Alarm	100000
Over Alarm	15000000
STEL Alarm	25000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/11 12:40

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Datalog
0 record.

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11/11/14 10:24

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-905893
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	00000001

Begin	2011/11/14 10:24:58
End	2011/11/14 10:36:20
Sample Period(s)	60
Number of Records	11

Sensor	VOC(ppb)
Span	100000
Span H	N/A
Low Alarm	50000
High Alarm	100000
Over Alarm	15000000
STEL Alarm	25000
TWA Alarm	10000
Measurement Gas	Isobutene

Calibration Time	2011/11/11 12:40
Peak	N/A
Min	N/A
Average	N/A

****

Datalog

Index	Date/Time	VOC(ppb)(Avg)
001	2011/11/14 10:25:58	0
002	2011/11/14 10:26:58	0
003	2011/11/14 10:27:58	0
004	2011/11/14 10:28:58	0
005	2011/11/14 10:29:58	0
006	2011/11/14 10:30:58	0
007	2011/11/14 10:31:58	0
008	2011/11/14 10:32:58	0
009	2011/11/14 10:33:58	0
010	2011/11/14 10:34:58	0
011	2011/11/14 10:35:58	0
Peak		0
Min		0
Average		0

****

TWA/STEL

No enabled sensor supports TWA/STEL.

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11/11/14 10:36

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-905893
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	00000001

Begin	2011/11/14 10:36:42
End	2011/11/14 10:43:19
Sample Period(s)	60
Number of Records	6

Sensor	VOC(ppb)
Span	100000
Span H	N/A
Low Alarm	50000
High Alarm	100000
Over Alarm	15000000
STEL Alarm	25000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/11 12:40
Peak	N/A
Min	N/A
Average	N/A

****

Datalog

Index	Date/Time	VOC(ppb)(Avg)
001	2011/11/14 10:37:42	0
002	2011/11/14 10:38:42	0
003	2011/11/14 10:39:42	0
004	2011/11/14 10:40:42	0
005	2011/11/14 10:41:42	0
006	2011/11/14 10:42:42	0
Peak	0	
Min	0	
Average	0	

****

TWA/STEL

No enabled sensor supports TWA/STEL.

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11/11/14 10:50

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-905893
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Pause in Menu Mode

Site ID	RAE00000
User ID	00000001

Begin	2011/11/14 10:50:46
End	2011/11/14 10:50:52
Sample Period(s)	60
Number of Records	0

Sensor	VOC(ppb)
Span	100000
Span H	N/A
Low Alarm	50000
High Alarm	100000
Over Alarm	15000000
STEL Alarm	25000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/11 12:40

****

Datalog

0 record.

==========

11/11/14 10:51

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-905893

Unit Firmware Ver	V1.10A
Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	RAE00000
User ID	00000001
Begin	2011/11/14 10:51:58
End	2011/11/14 12:14:54
Sample Period(s)	60
Number of Records	82
Sensor	VOC(ppb)
Span	100000
Span H	N/A
Low Alarm	50000
High Alarm	100000
Over Alarm	15000000
STEL Alarm	25000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/11 12:40
Peak	N/A
Min	N/A
Average	N/A

****

Datalog

Index	Date/Time	VOC(ppb)(Avg)
001	2011/11/14 10:52:58	0
002	2011/11/14 10:53:58	0
003	2011/11/14 10:54:58	0
004	2011/11/14 10:55:58	0
005	2011/11/14 10:56:58	0
006	2011/11/14 10:57:58	0
007	2011/11/14 10:58:58	0
008	2011/11/14 10:59:58	19
009	2011/11/14 11:00:58	250
010	2011/11/14 11:01:58	21
011	2011/11/14 11:02:58	6
012	2011/11/14 11:03:58	4
013	2011/11/14 11:04:58	5
014	2011/11/14 11:05:58	2
015	2011/11/14 11:06:58	5
016	2011/11/14 11:07:58	3
017	2011/11/14 11:08:58	32
018	2011/11/14 11:09:58	31
019	2011/11/14 11:10:58	12
020	2011/11/14 11:11:58	4
021	2011/11/14 11:12:58	0
022	2011/11/14 11:13:58	2
023	2011/11/14 11:14:58	2
024	2011/11/14 11:15:58	8
025	2011/11/14 11:16:58	40
026	2011/11/14 11:17:58	32
027	2011/11/14 11:18:58	30
028	2011/11/14 11:19:58	23
029	2011/11/14 11:20:58	21

030	2011/11/14 11:21:58	22
031	2011/11/14 11:22:58	34
032	2011/11/14 11:23:58	44
033	2011/11/14 11:24:58	385
034	2011/11/14 11:25:58	20
035	2011/11/14 11:26:58	21
036	2011/11/14 11:27:58	16
037	2011/11/14 11:28:58	25
038	2011/11/14 11:29:58	15
039	2011/11/14 11:30:58	12
040	2011/11/14 11:31:58	13
041	2011/11/14 11:32:58	15
042	2011/11/14 11:33:58	11
043	2011/11/14 11:34:58	11
044	2011/11/14 11:35:58	10
045	2011/11/14 11:36:58	5
046	2011/11/14 11:37:58	2
047	2011/11/14 11:38:58	1
048	2011/11/14 11:39:58	1
049	2011/11/14 11:40:58	0
050	2011/11/14 11:41:58	0
051	2011/11/14 11:42:58	0
052	2011/11/14 11:43:58	0
053	2011/11/14 11:44:58	0
054	2011/11/14 11:45:58	0
055	2011/11/14 11:46:58	0
056	2011/11/14 11:47:58	0
057	2011/11/14 11:48:58	0
058	2011/11/14 11:49:58	0
059	2011/11/14 11:50:58	1
060	2011/11/14 11:51:58	16
061	2011/11/14 11:52:58	1
062	2011/11/14 11:53:58	1
063	2011/11/14 11:54:58	0
064	2011/11/14 11:55:58	0
065	2011/11/14 11:56:58	0
066	2011/11/14 11:57:58	0
067	2011/11/14 11:58:58	0
068	2011/11/14 11:59:58	0
069	2011/11/14 12:00:58	0
070	2011/11/14 12:01:58	0
071	2011/11/14 12:02:58	0
072	2011/11/14 12:03:58	3
073	2011/11/14 12:04:58	0
074	2011/11/14 12:05:58	12
075	2011/11/14 12:06:58	10
076	2011/11/14 12:07:58	3
077	2011/11/14 12:08:58	1
078	2011/11/14 12:09:58	3
079	2011/11/14 12:10:58	2
080	2011/11/14 12:11:58	1
081	2011/11/14 12:12:58	0
082	2011/11/14 12:13:58	1
Peak	385	
Min	0	
Average	15	

****

TWA/STEL

No enabled sensor supports TWA/STEL.

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11/11/14 13:17

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-905893
Unit Firmware Ver	V1.10A
Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	RAE00000
User ID	00000001
Begin	2011/11/14 13:17:30
End	2011/11/14 14:25:05
Sample Period(s)	60
Number of Records	67
Sensor	VOC(ppb)
Span	100000
Span H	N/A
Low Alarm	50000
High Alarm	100000
Over Alarm	15000000
STEL Alarm	25000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/11 12:40
Peak	N/A
Min	N/A
Average	N/A

****

Datalog

Index	Date/Time	VOC(ppb)(Avg)
001	2011/11/14 13:18:30	0
002	2011/11/14 13:19:30	0
003	2011/11/14 13:20:30	0
004	2011/11/14 13:21:30	0
005	2011/11/14 13:22:30	0
006	2011/11/14 13:23:30	0
007	2011/11/14 13:24:30	0
008	2011/11/14 13:25:30	0
009	2011/11/14 13:26:30	0
010	2011/11/14 13:27:30	0
011	2011/11/14 13:28:30	0
012	2011/11/14 13:29:30	0
013	2011/11/14 13:30:30	0
014	2011/11/14 13:31:30	0
015	2011/11/14 13:32:30	0
016	2011/11/14 13:33:30	0
017	2011/11/14 13:34:30	0
018	2011/11/14 13:35:30	0
019	2011/11/14 13:36:30	23
020	2011/11/14 13:37:30	0
021	2011/11/14 13:38:30	28
022	2011/11/14 13:39:30	0
023	2011/11/14 13:40:30	0
024	2011/11/14 13:41:30	0
025	2011/11/14 13:42:30	0

026	2011/11/14 13:43:30	0
027	2011/11/14 13:44:30	0
028	2011/11/14 13:45:30	0
029	2011/11/14 13:46:30	30
030	2011/11/14 13:47:30	11
031	2011/11/14 13:48:30	0
032	2011/11/14 13:49:30	0
033	2011/11/14 13:50:30	0
034	2011/11/14 13:51:30	0
035	2011/11/14 13:52:30	0
036	2011/11/14 13:53:30	0
037	2011/11/14 13:54:30	0
038	2011/11/14 13:55:30	2
039	2011/11/14 13:56:30	42
040	2011/11/14 13:57:30	3501
041	2011/11/14 13:58:30	77
042	2011/11/14 13:59:30	15
043	2011/11/14 14:00:30	1
044	2011/11/14 14:01:30	0
045	2011/11/14 14:02:30	0
046	2011/11/14 14:03:30	0
047	2011/11/14 14:04:30	0
048	2011/11/14 14:05:30	0
049	2011/11/14 14:06:30	19
050	2011/11/14 14:07:30	6
051	2011/11/14 14:08:30	11
052	2011/11/14 14:09:30	0
053	2011/11/14 14:10:30	0
054	2011/11/14 14:11:30	0
055	2011/11/14 14:12:30	0
056	2011/11/14 14:13:30	0
057	2011/11/14 14:14:30	0
058	2011/11/14 14:15:30	0
059	2011/11/14 14:16:30	0
060	2011/11/14 14:17:30	0
061	2011/11/14 14:18:30	5
062	2011/11/14 14:19:30	0
063	2011/11/14 14:20:30	4294967295
064	2011/11/14 14:21:30	4294967295
065	2011/11/14 14:22:30	4294967295
066	2011/11/14 14:23:30	4294967295
067	2011/11/14 14:24:30	4294967295
Peak	4294967295	
Min	0	
Average	320520004	

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TWA/STEL

No enabled sensor supports TWA/STEL.

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11/11/15 10:34

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-905893
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No

Stop Reason	Power Down
Site ID	RAE00000
User ID	00000001
Begin	2011/11/15 10:34:15
End	2011/11/15 15:39:35
Sample Period(s)	60
Number of Records	305
Sensor	VOC(ppb)
Span	100000
Span H	N/A
Low Alarm	50000
High Alarm	100000
Over Alarm	15000000
STEL Alarm	25000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/11 12:40
Peak	N/A
Min	N/A
Average	N/A

****

Datalog

Index	Date/Time	VOC(ppb)(Avg)
001	2011/11/15 10:35:15	0
002	2011/11/15 10:36:15	0
003	2011/11/15 10:37:15	190
004	2011/11/15 10:38:15	47
005	2011/11/15 10:39:15	0
006	2011/11/15 10:40:15	0
007	2011/11/15 10:41:15	0
008	2011/11/15 10:42:15	104
009	2011/11/15 10:43:15	45
010	2011/11/15 10:44:15	2
011	2011/11/15 10:45:15	103
012	2011/11/15 10:46:15	0
013	2011/11/15 10:47:15	0
014	2011/11/15 10:48:15	426
015	2011/11/15 10:49:15	0
016	2011/11/15 10:50:15	0
017	2011/11/15 10:51:15	0
018	2011/11/15 10:52:15	23
019	2011/11/15 10:53:15	16
020	2011/11/15 10:54:15	2
021	2011/11/15 10:55:15	141
022	2011/11/15 10:56:15	0
023	2011/11/15 10:57:15	0
024	2011/11/15 10:58:15	3331
025	2011/11/15 10:59:15	8
026	2011/11/15 11:00:15	14
027	2011/11/15 11:01:15	0
028	2011/11/15 11:02:15	0
029	2011/11/15 11:03:15	34
030	2011/11/15 11:04:15	0
031	2011/11/15 11:05:15	0
032	2011/11/15 11:06:15	0
033	2011/11/15 11:07:15	0
034	2011/11/15 11:08:15	0
035	2011/11/15 11:09:15	0
036	2011/11/15 11:10:15	0

037	2011/11/15 11:11:15	0
038	2011/11/15 11:12:15	1
039	2011/11/15 11:13:15	1
040	2011/11/15 11:14:15	0
041	2011/11/15 11:15:15	0
042	2011/11/15 11:16:15	3
043	2011/11/15 11:17:15	2
044	2011/11/15 11:18:15	20
045	2011/11/15 11:19:15	9
046	2011/11/15 11:20:15	11
047	2011/11/15 11:21:15	3
048	2011/11/15 11:22:15	21
049	2011/11/15 11:23:15	1
050	2011/11/15 11:24:15	0
051	2011/11/15 11:25:15	0
052	2011/11/15 11:26:15	0
053	2011/11/15 11:27:15	0
054	2011/11/15 11:28:15	0
055	2011/11/15 11:29:15	0
056	2011/11/15 11:30:15	0
057	2011/11/15 11:31:15	0
058	2011/11/15 11:32:15	0
059	2011/11/15 11:33:15	0
060	2011/11/15 11:34:15	0
061	2011/11/15 11:35:15	0
062	2011/11/15 11:36:15	0
063	2011/11/15 11:37:15	0
064	2011/11/15 11:38:15	0
065	2011/11/15 11:39:15	0
066	2011/11/15 11:40:15	0
067	2011/11/15 11:41:15	0
068	2011/11/15 11:42:15	0
069	2011/11/15 11:43:15	0
070	2011/11/15 11:44:15	0
071	2011/11/15 11:45:15	0
072	2011/11/15 11:46:15	0
073	2011/11/15 11:47:15	0
074	2011/11/15 11:48:15	8
075	2011/11/15 11:49:15	0
076	2011/11/15 11:50:15	0
077	2011/11/15 11:51:15	17
078	2011/11/15 11:52:15	9
079	2011/11/15 11:53:15	5
080	2011/11/15 11:54:15	4
081	2011/11/15 11:55:15	0
082	2011/11/15 11:56:15	0
083	2011/11/15 11:57:15	0
084	2011/11/15 11:58:15	0
085	2011/11/15 11:59:15	0
086	2011/11/15 12:00:15	0
087	2011/11/15 12:01:15	0
088	2011/11/15 12:02:15	0
089	2011/11/15 12:03:15	0
090	2011/11/15 12:04:15	0
091	2011/11/15 12:05:15	0
092	2011/11/15 12:06:15	0
093	2011/11/15 12:07:15	0
094	2011/11/15 12:08:15	0
095	2011/11/15 12:09:15	0
096	2011/11/15 12:10:15	0
097	2011/11/15 12:11:15	0
098	2011/11/15 12:12:15	0
099	2011/11/15 12:13:15	0

100	2011/11/15	12:14:15	0
101	2011/11/15	12:15:15	0
102	2011/11/15	12:16:15	0
103	2011/11/15	12:17:15	0
104	2011/11/15	12:18:15	0
105	2011/11/15	12:19:15	0
106	2011/11/15	12:20:15	0
107	2011/11/15	12:21:15	0
108	2011/11/15	12:22:15	0
109	2011/11/15	12:23:15	0
110	2011/11/15	12:24:15	0
111	2011/11/15	12:25:15	0
112	2011/11/15	12:26:15	0
113	2011/11/15	12:27:15	0
114	2011/11/15	12:28:15	0
115	2011/11/15	12:29:15	0
116	2011/11/15	12:30:15	0
117	2011/11/15	12:31:15	0
118	2011/11/15	12:32:15	0
119	2011/11/15	12:33:15	0
120	2011/11/15	12:34:15	0
121	2011/11/15	12:35:15	0
122	2011/11/15	12:36:15	0
123	2011/11/15	12:37:15	0
124	2011/11/15	12:38:15	0
125	2011/11/15	12:39:15	0
126	2011/11/15	12:40:15	0
127	2011/11/15	12:41:15	0
128	2011/11/15	12:42:15	0
129	2011/11/15	12:43:15	0
130	2011/11/15	12:44:15	4
131	2011/11/15	12:45:15	0
132	2011/11/15	12:46:15	6
133	2011/11/15	12:47:15	1
134	2011/11/15	12:48:15	3
135	2011/11/15	12:49:15	0
136	2011/11/15	12:50:15	14
137	2011/11/15	12:51:15	233
138	2011/11/15	12:52:15	944
139	2011/11/15	12:53:15	54579
140	2011/11/15	12:54:15	1332
141	2011/11/15	12:55:15	531
142	2011/11/15	12:56:15	17507
143	2011/11/15	12:57:15	1544
144	2011/11/15	12:58:15	439
145	2011/11/15	12:59:15	12705
146	2011/11/15	13:00:15	871
147	2011/11/15	13:01:15	877
148	2011/11/15	13:02:15	10418
149	2011/11/15	13:03:15	819
150	2011/11/15	13:04:15	16039
151	2011/11/15	13:05:15	771
152	2011/11/15	13:06:15	2486
153	2011/11/15	13:07:15	499
154	2011/11/15	13:08:15	2725
155	2011/11/15	13:09:15	548
156	2011/11/15	13:10:15	443
157	2011/11/15	13:11:15	331
158	2011/11/15	13:12:15	410
159	2011/11/15	13:13:15	254
160	2011/11/15	13:14:15	362
161	2011/11/15	13:15:15	500
162	2011/11/15	13:16:15	221

RAE USED TO SCREEN SOILS RATHER THAN AIR.

163	2011/11/15 13:17:15	249
164	2011/11/15 13:18:15	364
165	2011/11/15 13:19:15	248
166	2011/11/15 13:20:15	160
167	2011/11/15 13:21:15	518
168	2011/11/15 13:22:15	202
169	2011/11/15 13:23:15	193
170	2011/11/15 13:24:15	290
171	2011/11/15 13:25:15	964
172	2011/11/15 13:26:15	204
173	2011/11/15 13:27:15	165
174	2011/11/15 13:28:15	153
175	2011/11/15 13:29:15	143
176	2011/11/15 13:30:15	137
177	2011/11/15 13:31:15	133
178	2011/11/15 13:32:15	141
179	2011/11/15 13:33:15	1831
180	2011/11/15 13:34:15	232
181	2011/11/15 13:35:15	174
182	2011/11/15 13:36:15	161
183	2011/11/15 13:37:15	187
184	2011/11/15 13:38:15	144
185	2011/11/15 13:39:15	151
186	2011/11/15 13:40:15	234
187	2011/11/15 13:41:15	345
188	2011/11/15 13:42:15	555
189	2011/11/15 13:43:15	2333
190	2011/11/15 13:44:15	196
191	2011/11/15 13:45:15	5137
192	2011/11/15 13:46:15	533
193	2011/11/15 13:47:15	732
194	2011/11/15 13:48:15	178
195	2011/11/15 13:49:15	316
196	2011/11/15 13:50:15	804
197	2011/11/15 13:51:15	403
198	2011/11/15 13:52:15	147
199	2011/11/15 13:53:15	783
200	2011/11/15 13:54:15	210
201	2011/11/15 13:55:15	656
202	2011/11/15 13:56:15	5758
203	2011/11/15 13:57:15	1215
204	2011/11/15 13:58:15	311
205	2011/11/15 13:59:15	16043
206	2011/11/15 14:00:15	87272
207	2011/11/15 14:01:15	5189
208	2011/11/15 14:02:15	1103
209	2011/11/15 14:03:15	713
210	2011/11/15 14:04:15	605
211	2011/11/15 14:05:15	473
212	2011/11/15 14:06:15	508
213	2011/11/15 14:07:15	371
214	2011/11/15 14:08:15	298
215	2011/11/15 14:09:15	258
216	2011/11/15 14:10:15	235
217	2011/11/15 14:11:15	223
218	2011/11/15 14:12:15	206
219	2011/11/15 14:13:15	195
220	2011/11/15 14:14:15	190
221	2011/11/15 14:15:15	184
222	2011/11/15 14:16:15	181
223	2011/11/15 14:17:15	174
224	2011/11/15 14:18:15	169
225	2011/11/15 14:19:15	167

226	2011/11/15 14:20:15	172
227	2011/11/15 14:21:15	158
228	2011/11/15 14:22:15	151
229	2011/11/15 14:23:15	149
230	2011/11/15 14:24:15	149
231	2011/11/15 14:25:15	143
232	2011/11/15 14:26:15	139
233	2011/11/15 14:27:15	132
234	2011/11/15 14:28:15	137
235	2011/11/15 14:29:15	133
236	2011/11/15 14:30:15	127
237	2011/11/15 14:31:15	121
238	2011/11/15 14:32:15	121
239	2011/11/15 14:33:15	141
240	2011/11/15 14:34:15	133
241	2011/11/15 14:35:15	1008
242	2011/11/15 14:36:15	349
243	2011/11/15 14:37:15	149
244	2011/11/15 14:38:15	121
245	2011/11/15 14:39:15	135
246	2011/11/15 14:40:15	137
247	2011/11/15 14:41:15	326
248	2011/11/15 14:42:15	120
249	2011/11/15 14:43:15	260
250	2011/11/15 14:44:15	248
251	2011/11/15 14:45:15	2435
252	2011/11/15 14:46:15	242
253	2011/11/15 14:47:15	3564
254	2011/11/15 14:48:15	169
255	2011/11/15 14:49:15	166
256	2011/11/15 14:50:15	142
257	2011/11/15 14:51:15	151
258	2011/11/15 14:52:15	133
259	2011/11/15 14:53:15	127
260	2011/11/15 14:54:15	128
261	2011/11/15 14:55:15	115
262	2011/11/15 14:56:15	119
263	2011/11/15 14:57:15	113
264	2011/11/15 14:58:15	113
265	2011/11/15 14:59:15	113
266	2011/11/15 15:00:15	109
267	2011/11/15 15:01:15	110
268	2011/11/15 15:02:15	107
269	2011/11/15 15:03:15	214
270	2011/11/15 15:04:15	138
271	2011/11/15 15:05:15	121
272	2011/11/15 15:06:15	122
273	2011/11/15 15:07:15	123
274	2011/11/15 15:08:15	141
275	2011/11/15 15:09:15	120
276	2011/11/15 15:10:15	112
277	2011/11/15 15:11:15	111
278	2011/11/15 15:12:15	106
279	2011/11/15 15:13:15	125
280	2011/11/15 15:14:15	165
281	2011/11/15 15:15:15	120
282	2011/11/15 15:16:15	122
283	2011/11/15 15:17:15	125
284	2011/11/15 15:18:15	111
285	2011/11/15 15:19:15	105
286	2011/11/15 15:20:15	113
287	2011/11/15 15:21:15	104
288	2011/11/15 15:22:15	110

289	2011/11/15 15:23:15	107
290	2011/11/15 15:24:15	102
291	2011/11/15 15:25:15	105
292	2011/11/15 15:26:15	98
293	2011/11/15 15:27:15	100
294	2011/11/15 15:28:15	91
295	2011/11/15 15:29:15	91
296	2011/11/15 15:30:15	91
297	2011/11/15 15:31:15	86
298	2011/11/15 15:32:15	82
299	2011/11/15 15:33:15	81
300	2011/11/15 15:34:15	81
301	2011/11/15 15:35:15	88
302	2011/11/15 15:36:15	91
303	2011/11/15 15:37:15	87
304	2011/11/15 15:38:15	102
305	2011/11/15 15:39:15	91
Peak	87272	
Min	0	
Average	961	

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TWA/STEL

No enabled sensor supports TWA/STEL.

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11/11/16 10:53

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-905893
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	00000001

Begin	2011/11/16 10:53:49
End	2011/11/16 11:45:46
Sample Period(s)	60
Number of Records	51

Sensor	VOC(ppb)
Span	100000
Span H	N/A
Low Alarm	50000
High Alarm	100000
Over Alarm	15000000
STEL Alarm	25000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/11 12:40
Peak	N/A
Min	N/A
Average	N/A

****

Datalog Index	Date/Time	VOC(ppb)(Avg)
001	2011/11/16 10:54:49	13
002	2011/11/16 10:55:49	2
003	2011/11/16 10:56:49	0
004	2011/11/16 10:57:49	40
005	2011/11/16 10:58:49	18
006	2011/11/16 10:59:49	1
007	2011/11/16 11:00:49	47
008	2011/11/16 11:01:49	67
009	2011/11/16 11:02:49	69
010	2011/11/16 11:03:49	136
011	2011/11/16 11:04:49	55
012	2011/11/16 11:05:49	16
013	2011/11/16 11:06:49	3
014	2011/11/16 11:07:49	30
015	2011/11/16 11:08:49	169
016	2011/11/16 11:09:49	159
017	2011/11/16 11:10:49	29
018	2011/11/16 11:11:49	0
019	2011/11/16 11:12:49	0
020	2011/11/16 11:13:49	65
021	2011/11/16 11:14:49	59
022	2011/11/16 11:15:49	4
023	2011/11/16 11:16:49	0
024	2011/11/16 11:17:49	180
025	2011/11/16 11:18:49	80
026	2011/11/16 11:19:49	30
027	2011/11/16 11:20:49	0
028	2011/11/16 11:21:49	143
029	2011/11/16 11:22:49	4
030	2011/11/16 11:23:49	0
031	2011/11/16 11:24:49	0
032	2011/11/16 11:25:49	0
033	2011/11/16 11:26:49	0
034	2011/11/16 11:27:49	369098752
035	2011/11/16 11:28:49	989855744
036	2011/11/16 11:29:49	402653191
037	2011/11/16 11:30:49	16
038	2011/11/16 11:31:49	5
039	2011/11/16 11:32:49	1
040	2011/11/16 11:33:49	15
041	2011/11/16 11:34:49	22
042	2011/11/16 11:35:49	16
043	2011/11/16 11:36:49	64
044	2011/11/16 11:37:49	41
045	2011/11/16 11:38:49	22
046	2011/11/16 11:39:49	59
047	2011/11/16 11:40:49	24
048	2011/11/16 11:41:49	1888
049	2011/11/16 11:42:49	273
050	2011/11/16 11:43:49	797
051	2011/11/16 11:44:49	32
Peak	989855744	
Min	0	
Average	34541419	

SOFTWARE ISSUES

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TWA/STEL

No enabled sensor supports TWA/STEL.

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11/11/16 14:21

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-905893
Unit Firmware Ver	V1.10A
Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	RAE00000
User ID	00000001
Begin	2011/11/16 14:21:39
End	2011/11/16 15:31:27
Sample Period(s)	60
Number of Records	69
Sensor	VOC(ppb)
Span	100000
Span H	N/A
Low Alarm	50000
High Alarm	100000
Over Alarm	15000000
STEL Alarm	25000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/11 12:40
Peak	N/A
Min	N/A
Average	N/A

****

Datalog

Index	Date/Time	VOC(ppb)(Avg)
001	2011/11/16 14:22:39	4
002	2011/11/16 14:23:39	1
003	2011/11/16 14:24:39	0
004	2011/11/16 14:25:39	31
005	2011/11/16 14:26:39	10005
006	2011/11/16 14:27:39	210
007	2011/11/16 14:28:39	163
008	2011/11/16 14:29:39	138
009	2011/11/16 14:30:39	74
010	2011/11/16 14:31:39	134
011	2011/11/16 14:32:39	93
012	2011/11/16 14:33:39	11
013	2011/11/16 14:34:39	26
014	2011/11/16 14:35:39	0
015	2011/11/16 14:36:39	0
016	2011/11/16 14:37:39	0
017	2011/11/16 14:38:39	0
018	2011/11/16 14:39:39	0
019	2011/11/16 14:40:39	1
020	2011/11/16 14:41:39	2
021	2011/11/16 14:42:39	0
022	2011/11/16 14:43:39	0
023	2011/11/16 14:44:39	0
024	2011/11/16 14:45:39	0
025	2011/11/16 14:46:39	0

026	2011/11/16 14:47:39	1
027	2011/11/16 14:48:39	1
028	2011/11/16 14:49:39	0
029	2011/11/16 14:50:39	0
030	2011/11/16 14:51:39	0
031	2011/11/16 14:52:39	0
032	2011/11/16 14:53:39	0
033	2011/11/16 14:54:39	0
034	2011/11/16 14:55:39	0
035	2011/11/16 14:56:39	0
036	2011/11/16 14:57:39	0
037	2011/11/16 14:58:39	0
038	2011/11/16 14:59:39	0
039	2011/11/16 15:00:39	0
040	2011/11/16 15:01:39	0
041	2011/11/16 15:02:39	0
042	2011/11/16 15:03:39	14
043	2011/11/16 15:04:39	0
044	2011/11/16 15:05:39	0
045	2011/11/16 15:06:39	0
046	2011/11/16 15:07:39	0
047	2011/11/16 15:08:39	0
048	2011/11/16 15:09:39	2
049	2011/11/16 15:10:39	0
050	2011/11/16 15:11:39	0
051	2011/11/16 15:12:39	0
052	2011/11/16 15:13:39	0
053	2011/11/16 15:14:39	2999
054	2011/11/16 15:15:39	412
055	2011/11/16 15:16:39	123
056	2011/11/16 15:17:39	87
057	2011/11/16 15:18:39	52
058	2011/11/16 15:19:39	36
059	2011/11/16 15:20:39	27
060	2011/11/16 15:21:39	19
061	2011/11/16 15:22:39	16
062	2011/11/16 15:23:39	1428
063	2011/11/16 15:24:39	1320
064	2011/11/16 15:25:39	504
065	2011/11/16 15:26:39	290
066	2011/11/16 15:27:39	187
067	2011/11/16 15:28:39	133
068	2011/11/16 15:29:39	103
069	2011/11/16 15:30:39	84
Peak	10005	
Min	0	
Average	271	

****
TWA/STEL
No enabled sensor supports TWA/STEL.
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11/11/17 12:42
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Summary

Unit Name	MiniRAE 3000
Unit SN	592-905893
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous

Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	RAE00000
User ID	00000001
Begin	2011/11/17 12:42:31
End	2011/11/17 15:24:44
Sample Period(s)	60
Number of Records	162
Sensor	VOC(ppb)
Span	100000
Span H	N/A
Low Alarm	50000
High Alarm	100000
Over Alarm	15000000
STEL Alarm	25000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/11 12:40
Peak	N/A
Min	N/A
Average	N/A

****

Datalog Index	Date/Time	VOC(ppb)(Avg)
001	2011/11/17 12:43:31	0
002	2011/11/17 12:44:31	0
003	2011/11/17 12:45:31	7
004	2011/11/17 12:46:31	4
005	2011/11/17 12:47:31	0
006	2011/11/17 12:48:31	0
007	2011/11/17 12:49:31	0
008	2011/11/17 12:50:31	0
009	2011/11/17 12:51:31	0
010	2011/11/17 12:52:31	0
011	2011/11/17 12:53:31	0
012	2011/11/17 12:54:31	0
013	2011/11/17 12:55:31	0
014	2011/11/17 12:56:31	0
015	2011/11/17 12:57:31	0
016	2011/11/17 12:58:31	2
017	2011/11/17 12:59:31	0
018	2011/11/17 13:00:31	0
019	2011/11/17 13:01:31	0
020	2011/11/17 13:02:31	1
021	2011/11/17 13:03:31	0
022	2011/11/17 13:04:31	0
023	2011/11/17 13:05:31	0
024	2011/11/17 13:06:31	1
025	2011/11/17 13:07:31	0
026	2011/11/17 13:08:31	0
027	2011/11/17 13:09:31	0
028	2011/11/17 13:10:31	0
029	2011/11/17 13:11:31	3
030	2011/11/17 13:12:31	0
031	2011/11/17 13:13:31	2
032	2011/11/17 13:14:31	6
033	2011/11/17 13:15:31	8
034	2011/11/17 13:16:31	14

035	2011/11/17 13:17:31	7
036	2011/11/17 13:18:31	2
037	2011/11/17 13:19:31	3
038	2011/11/17 13:20:31	6
039	2011/11/17 13:21:31	9
040	2011/11/17 13:22:31	9
041	2011/11/17 13:23:31	10
042	2011/11/17 13:24:31	16
043	2011/11/17 13:25:31	19
044	2011/11/17 13:26:31	18
045	2011/11/17 13:27:31	17
046	2011/11/17 13:28:31	19
047	2011/11/17 13:29:31	16
048	2011/11/17 13:30:31	12
049	2011/11/17 13:31:31	12
050	2011/11/17 13:32:31	19
051	2011/11/17 13:33:31	21
052	2011/11/17 13:34:31	31
053	2011/11/17 13:35:31	23
054	2011/11/17 13:36:31	22
055	2011/11/17 13:37:31	27
056	2011/11/17 13:38:31	28
057	2011/11/17 13:39:31	28
058	2011/11/17 13:40:31	35
059	2011/11/17 13:41:31	35
060	2011/11/17 13:42:31	38
061	2011/11/17 13:43:31	31
062	2011/11/17 13:44:31	34
063	2011/11/17 13:45:31	35
064	2011/11/17 13:46:31	32
065	2011/11/17 13:47:31	33
066	2011/11/17 13:48:31	39
067	2011/11/17 13:49:31	33
068	2011/11/17 13:50:31	33
069	2011/11/17 13:51:31	41
070	2011/11/17 13:52:31	39
071	2011/11/17 13:53:31	42
072	2011/11/17 13:54:31	42
073	2011/11/17 13:55:31	42
074	2011/11/17 13:56:31	52
075	2011/11/17 13:57:31	54
076	2011/11/17 13:58:31	51
077	2011/11/17 13:59:31	49
078	2011/11/17 14:00:31	48
079	2011/11/17 14:01:31	47
080	2011/11/17 14:02:31	44
081	2011/11/17 14:03:31	43
082	2011/11/17 14:04:31	45
083	2011/11/17 14:05:31	49
084	2011/11/17 14:06:31	53
085	2011/11/17 14:07:31	58
086	2011/11/17 14:08:31	59
087	2011/11/17 14:09:31	62
088	2011/11/17 14:10:31	55
089	2011/11/17 14:11:31	51
090	2011/11/17 14:12:31	58
091	2011/11/17 14:13:31	53
092	2011/11/17 14:14:31	54
093	2011/11/17 14:15:31	62
094	2011/11/17 14:16:31	66
095	2011/11/17 14:17:31	60
096	2011/11/17 14:18:31	69
097	2011/11/17 14:19:31	63

098	2011/11/17 14:20:31	65
099	2011/11/17 14:21:31	61
100	2011/11/17 14:22:31	62
101	2011/11/17 14:23:31	62
102	2011/11/17 14:24:31	66
103	2011/11/17 14:25:31	64
104	2011/11/17 14:26:31	61
105	2011/11/17 14:27:31	56
106	2011/11/17 14:28:31	54
107	2011/11/17 14:29:31	55
108	2011/11/17 14:30:31	49
109	2011/11/17 14:31:31	60
110	2011/11/17 14:32:31	70
111	2011/11/17 14:33:31	68
112	2011/11/17 14:34:31	71
113	2011/11/17 14:35:31	84
114	2011/11/17 14:36:31	79
115	2011/11/17 14:37:31	87
116	2011/11/17 14:38:31	75
117	2011/11/17 14:39:31	86
118	2011/11/17 14:40:31	77
119	2011/11/17 14:41:31	63
120	2011/11/17 14:42:31	67
121	2011/11/17 14:43:31	66
122	2011/11/17 14:44:31	58
123	2011/11/17 14:45:31	51
124	2011/11/17 14:46:31	49
125	2011/11/17 14:47:31	56
126	2011/11/17 14:48:31	52
127	2011/11/17 14:49:31	54
128	2011/11/17 14:50:31	51
129	2011/11/17 14:51:31	54
130	2011/11/17 14:52:31	53
131	2011/11/17 14:53:31	50
132	2011/11/17 14:54:31	47
133	2011/11/17 14:55:31	52
134	2011/11/17 14:56:31	66
135	2011/11/17 14:57:31	77
136	2011/11/17 14:58:31	82
137	2011/11/17 14:59:31	59
138	2011/11/17 15:00:31	60
139	2011/11/17 15:01:31	57
140	2011/11/17 15:02:31	62
141	2011/11/17 15:03:31	58
142	2011/11/17 15:04:31	51
143	2011/11/17 15:05:31	57
144	2011/11/17 15:06:31	53
145	2011/11/17 15:07:31	57
146	2011/11/17 15:08:31	53
147	2011/11/17 15:09:31	52
148	2011/11/17 15:10:31	52
149	2011/11/17 15:11:31	50
150	2011/11/17 15:12:31	47
151	2011/11/17 15:13:31	6997
152	2011/11/17 15:14:31	64
153	2011/11/17 15:15:31	53
154	2011/11/17 15:16:31	50
155	2011/11/17 15:17:31	47
156	2011/11/17 15:18:31	67
157	2011/11/17 15:19:31	54
158	2011/11/17 15:20:31	55
159	2011/11/17 15:21:31	60
160	2011/11/17 15:22:31	56

161 2011/11/17 15:23:31 64
162 2011/11/17 15:24:31 55
Peak 6997
Min 0
Average 81

****
TWA/STEL
No enabled sensor supports TWA/STEL.
==========
11/11/18 08:50
****
Summary

Unit Name MiniRAE 3000
Unit SN 592-905893
Unit Firmware Ver V1.10A

Running Mode Hygiene Mode
Measure Type Avg
Datalog Mode Continuous
Datalog Type Auto
Diagnostic Mode No
Stop Reason Power Down

Site ID RAE00000
User ID 00000001

Begin 2011/11/18 08:50:08
End 2011/11/18 09:48:44
Sample Period(s) 60
Number of Records 58

Sensor VOC(ppb)
Span 100000
Span H N/A
Low Alarm 50000
High Alarm 100000
Over Alarm 15000000
STEL Alarm 25000
TWA Alarm 10000
Measurement Gas Isobutene
Calibration Time 2011/11/11 12:40
Peak N/A
Min N/A
Average N/A

****
Datalog
Index Date/Time VOC(ppb)(Avg)
001 2011/11/18 08:51:08 57
002 2011/11/18 08:52:08 32
003 2011/11/18 08:53:08 0
004 2011/11/18 08:54:08 0
005 2011/11/18 08:55:08 0
006 2011/11/18 08:56:08 5
007 2011/11/18 08:57:08 0
008 2011/11/18 08:58:08 0
009 2011/11/18 08:59:08 6
010 2011/11/18 09:00:08 9
011 2011/11/18 09:01:08 3
012 2011/11/18 09:02:08 2
013 2011/11/18 09:03:08 3

014	2011/11/18 09:04:08	1
015	2011/11/18 09:05:08	0
016	2011/11/18 09:06:08	2
017	2011/11/18 09:07:08	21
018	2011/11/18 09:08:08	4
019	2011/11/18 09:09:08	8
020	2011/11/18 09:10:08	0
021	2011/11/18 09:11:08	1
022	2011/11/18 09:12:08	0
023	2011/11/18 09:13:08	0
024	2011/11/18 09:14:08	5
025	2011/11/18 09:15:08	4
026	2011/11/18 09:16:08	0
027	2011/11/18 09:17:08	1
028	2011/11/18 09:18:08	0
029	2011/11/18 09:19:08	0
030	2011/11/18 09:20:08	0
031	2011/11/18 09:21:08	0
032	2011/11/18 09:22:08	0
033	2011/11/18 09:23:08	0
034	2011/11/18 09:24:08	0
035	2011/11/18 09:25:08	0
036	2011/11/18 09:26:08	0
037	2011/11/18 09:27:08	0
038	2011/11/18 09:28:08	0
039	2011/11/18 09:29:08	0
040	2011/11/18 09:30:08	0
041	2011/11/18 09:31:08	4
042	2011/11/18 09:32:08	0
043	2011/11/18 09:33:08	3
044	2011/11/18 09:34:08	4
045	2011/11/18 09:35:08	2
046	2011/11/18 09:36:08	0
047	2011/11/18 09:37:08	1
048	2011/11/18 09:38:08	1
049	2011/11/18 09:39:08	0
050	2011/11/18 09:40:08	0
051	2011/11/18 09:41:08	0
052	2011/11/18 09:42:08	0
053	2011/11/18 09:43:08	0
054	2011/11/18 09:44:08	0
055	2011/11/18 09:45:08	0
056	2011/11/18 09:46:08	3
057	2011/11/18 09:47:08	0
058	2011/11/18 09:48:08	0
Peak	57	
Min	0	
Average	3	

****

TWA/STEL

No enabled sensor supports TWA/STEL.

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11/11/28 09:24

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-905893
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg

Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	00000001

Begin	2011/11/28 09:24:05
End	2011/11/28 09:28:06
Sample Period(s)	60
Number of Records	4

Sensor	VOC(ppb)
Span	100000
Span H	N/A
Low Alarm	50000
High Alarm	100000
Over Alarm	15000000
STEL Alarm	25000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/11 12:40
Peak	N/A
Min	N/A
Average	N/A

****

Datalog Index	Date/Time	VOC(ppb)(Avg)
001	2011/11/28 09:25:05	2
002	2011/11/28 09:26:05	16
003	2011/11/28 09:27:05	3
004	2011/11/28 09:28:05	0
Peak		16
Min		0
Average		5

****

TWA/STEL

No enabled sensor supports TWA/STEL.

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11/11/28 11:36

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-905893
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	00000001

Begin	2011/11/28 11:36:44
End	2011/11/28 12:02:59
Sample Period(s)	60

Number of Records 26

Sensor	VOC(ppb)
Span	100000
Span H	N/A
Low Alarm	50000
High Alarm	100000
Over Alarm	15000000
STEL Alarm	25000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/11 12:40
Peak	N/A
Min	N/A
Average	N/A

****

Datalog

Index	Date/Time	VOC(ppb)(Avg)
001	2011/11/28 11:37:44	3
002	2011/11/28 11:38:44	3
003	2011/11/28 11:39:44	17
004	2011/11/28 11:40:44	0
005	2011/11/28 11:41:44	0
006	2011/11/28 11:42:44	0
007	2011/11/28 11:43:44	0
008	2011/11/28 11:44:44	0
009	2011/11/28 11:45:44	0
010	2011/11/28 11:46:44	0
011	2011/11/28 11:47:44	0
012	2011/11/28 11:48:44	689
013	2011/11/28 11:49:44	364
014	2011/11/28 11:50:44	56
015	2011/11/28 11:51:44	885
016	2011/11/28 11:52:44	160
017	2011/11/28 11:53:44	11
018	2011/11/28 11:54:44	13
019	2011/11/28 11:55:44	0
020	2011/11/28 11:56:44	0
021	2011/11/28 11:57:44	0
022	2011/11/28 11:58:44	0
023	2011/11/28 11:59:44	0
024	2011/11/28 12:00:44	0
025	2011/11/28 12:01:44	0
026	2011/11/28 12:02:44	0
Peak	885	
Min	0	
Average	85	

****

TWA/STEL

No enabled sensor supports TWA/STEL.

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11/11/29 09:07

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-905893
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg

Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	RAE00000
User ID	00000001
Begin	2011/11/29 09:07:06
End	2011/11/29 09:53:43
Sample Period(s)	60
Number of Records	46
Sensor	VOC(ppb)
Span	100000
Span H	N/A
Low Alarm	50000
High Alarm	100000
Over Alarm	15000000
STEL Alarm	25000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/11 12:40
Peak	N/A
Min	N/A
Average	N/A

****

Datalog Index	Date/Time	VOC(ppb)(Avg)
001	2011/11/29 09:08:06	0
002	2011/11/29 09:09:06	0
003	2011/11/29 09:10:06	0
004	2011/11/29 09:11:06	0
005	2011/11/29 09:12:06	0
006	2011/11/29 09:13:06	0
007	2011/11/29 09:14:06	0
008	2011/11/29 09:15:06	0
009	2011/11/29 09:16:06	0
010	2011/11/29 09:17:06	0
011	2011/11/29 09:18:06	0
012	2011/11/29 09:19:06	0
013	2011/11/29 09:20:06	4
014	2011/11/29 09:21:06	0
015	2011/11/29 09:22:06	0
016	2011/11/29 09:23:06	0
017	2011/11/29 09:24:06	0
018	2011/11/29 09:25:06	0
019	2011/11/29 09:26:06	7
020	2011/11/29 09:27:06	0
021	2011/11/29 09:28:06	0
022	2011/11/29 09:29:06	0
023	2011/11/29 09:30:06	0
024	2011/11/29 09:31:06	0
025	2011/11/29 09:32:06	406
026	2011/11/29 09:33:06	3
027	2011/11/29 09:34:06	0
028	2011/11/29 09:35:06	0
029	2011/11/29 09:36:06	0
030	2011/11/29 09:37:06	0
031	2011/11/29 09:38:06	0
032	2011/11/29 09:39:06	0
033	2011/11/29 09:40:06	0

034	2011/11/29 09:41:06	0
035	2011/11/29 09:42:06	0
036	2011/11/29 09:43:06	0
037	2011/11/29 09:44:06	0
038	2011/11/29 09:45:06	0
039	2011/11/29 09:46:06	0
040	2011/11/29 09:47:06	0
041	2011/11/29 09:48:06	0
042	2011/11/29 09:49:06	0
043	2011/11/29 09:50:06	0
044	2011/11/29 09:51:06	0
045	2011/11/29 09:52:06	0
046	2011/11/29 09:53:06	0
Peak	406	
Min	0	
Average	9	

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TWA/STEL

No enabled sensor supports TWA/STEL.

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11/11/29 10:06

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-905893
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	00000001

Begin	2011/11/29 10:06:59
End	2011/11/29 11:21:34
Sample Period(s)	60
Number of Records	74

Sensor	VOC(ppb)
Span	100000
Span H	N/A
Low Alarm	50000
High Alarm	100000
Over Alarm	15000000
STEL Alarm	25000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/11 12:40
Peak	N/A
Min	N/A
Average	N/A

****

Datalog

Index	Date/Time	VOC(ppb)(Avg)
001	2011/11/29 10:07:59	0
002	2011/11/29 10:08:59	0

003	2011/11/29 10:09:59	57
004	2011/11/29 10:10:59	183
005	2011/11/29 10:11:59	7
006	2011/11/29 10:12:59	0
007	2011/11/29 10:13:59	0
008	2011/11/29 10:14:59	0
009	2011/11/29 10:15:59	0
010	2011/11/29 10:16:59	0
011	2011/11/29 10:17:59	0
012	2011/11/29 10:18:59	0
013	2011/11/29 10:19:59	0
014	2011/11/29 10:20:59	0
015	2011/11/29 10:21:59	4
016	2011/11/29 10:22:59	0
017	2011/11/29 10:23:59	0
018	2011/11/29 10:24:59	2
019	2011/11/29 10:25:59	1
020	2011/11/29 10:26:59	0
021	2011/11/29 10:27:59	0
022	2011/11/29 10:28:59	0
023	2011/11/29 10:29:59	0
024	2011/11/29 10:30:59	0
025	2011/11/29 10:31:59	0
026	2011/11/29 10:32:59	0
027	2011/11/29 10:33:59	2
028	2011/11/29 10:34:59	0
029	2011/11/29 10:35:59	0
030	2011/11/29 10:36:59	0
031	2011/11/29 10:37:59	0
032	2011/11/29 10:38:59	0
033	2011/11/29 10:39:59	0
034	2011/11/29 10:40:59	0
035	2011/11/29 10:41:59	0
036	2011/11/29 10:42:59	0
037	2011/11/29 10:43:59	0
038	2011/11/29 10:44:59	0
039	2011/11/29 10:45:59	0
040	2011/11/29 10:46:59	0
041	2011/11/29 10:47:59	0
042	2011/11/29 10:48:59	0
043	2011/11/29 10:49:59	0
044	2011/11/29 10:50:59	0
045	2011/11/29 10:51:59	0
046	2011/11/29 10:52:59	0
047	2011/11/29 10:53:59	0
048	2011/11/29 10:54:59	0
049	2011/11/29 10:55:59	0
050	2011/11/29 10:56:59	0
051	2011/11/29 10:57:59	0
052	2011/11/29 10:58:59	0
053	2011/11/29 10:59:59	0
054	2011/11/29 11:00:59	0
055	2011/11/29 11:01:59	175
056	2011/11/29 11:02:59	10
057	2011/11/29 11:03:59	0
058	2011/11/29 11:04:59	0
059	2011/11/29 11:05:59	0
060	2011/11/29 11:06:59	1
061	2011/11/29 11:07:59	4
062	2011/11/29 11:08:59	0
063	2011/11/29 11:09:59	0
064	2011/11/29 11:10:59	0
065	2011/11/29 11:11:59	0

066	2011/11/29 11:12:59	0
067	2011/11/29 11:13:59	0
068	2011/11/29 11:14:59	0
069	2011/11/29 11:15:59	1019
070	2011/11/29 11:16:59	54
071	2011/11/29 11:17:59	9
072	2011/11/29 11:18:59	0
073	2011/11/29 11:19:59	0
074	2011/11/29 11:20:59	0
Peak	1019	
Min	0	
Average	21	

****

TWA/STEL

No enabled sensor supports TWA/STEL.

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11/12/02 08:22

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-905893
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	00000001

Begin	2011/12/02 08:22:48
End	2011/12/02 15:40:42
Sample Period(s)	60
Number of Records	437

Sensor	VOC(ppb)
Span	100000
Span H	N/A
Low Alarm	50000
High Alarm	100000
Over Alarm	15000000
STEL Alarm	25000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/11 12:40
Peak	N/A
Min	N/A
Average	N/A

****

Datalog

Index	Date/Time	VOC(ppb)(Avg)
001	2011/12/02 08:23:48	0
002	2011/12/02 08:24:48	0
003	2011/12/02 08:25:48	0
004	2011/12/02 08:26:48	0
005	2011/12/02 08:27:48	0
006	2011/12/02 08:28:48	0

007	2011/12/02 08:29:48	0
008	2011/12/02 08:30:48	0
009	2011/12/02 08:31:48	0
010	2011/12/02 08:32:48	0
011	2011/12/02 08:33:48	0
012	2011/12/02 08:34:48	0
013	2011/12/02 08:35:48	0
014	2011/12/02 08:36:48	0
015	2011/12/02 08:37:48	0
016	2011/12/02 08:38:48	0
017	2011/12/02 08:39:48	0
018	2011/12/02 08:40:48	3
019	2011/12/02 08:41:48	0
020	2011/12/02 08:42:48	0
021	2011/12/02 08:43:48	0
022	2011/12/02 08:44:48	0
023	2011/12/02 08:45:48	0
024	2011/12/02 08:46:48	0
025	2011/12/02 08:47:48	0
026	2011/12/02 08:48:48	1
027	2011/12/02 08:49:48	1
028	2011/12/02 08:50:48	1
029	2011/12/02 08:51:48	0
030	2011/12/02 08:52:48	0
031	2011/12/02 08:53:48	0
032	2011/12/02 08:54:48	1
033	2011/12/02 08:55:48	2
034	2011/12/02 08:56:48	1
035	2011/12/02 08:57:48	0
036	2011/12/02 08:58:48	1
037	2011/12/02 08:59:48	2
038	2011/12/02 09:00:48	2
039	2011/12/02 09:01:48	2
040	2011/12/02 09:02:48	3
041	2011/12/02 09:03:48	2
042	2011/12/02 09:04:48	0
043	2011/12/02 09:05:48	0
044	2011/12/02 09:06:48	2
045	2011/12/02 09:07:48	1
046	2011/12/02 09:08:48	1
047	2011/12/02 09:09:48	66
048	2011/12/02 09:10:48	28
049	2011/12/02 09:11:48	8
050	2011/12/02 09:12:48	0
051	2011/12/02 09:13:48	2
052	2011/12/02 09:14:48	68
053	2011/12/02 09:15:48	19
054	2011/12/02 09:16:48	25
055	2011/12/02 09:17:48	50
056	2011/12/02 09:18:48	12
057	2011/12/02 09:19:48	22
058	2011/12/02 09:20:48	7
059	2011/12/02 09:21:48	18
060	2011/12/02 09:22:48	4
061	2011/12/02 09:23:48	17
062	2011/12/02 09:24:48	21
063	2011/12/02 09:25:48	14
064	2011/12/02 09:26:48	11
065	2011/12/02 09:27:48	4
066	2011/12/02 09:28:48	3
067	2011/12/02 09:29:48	13
068	2011/12/02 09:30:48	13
069	2011/12/02 09:31:48	19

070	2011/12/02 09:32:48	17
071	2011/12/02 09:33:48	12
072	2011/12/02 09:34:48	11
073	2011/12/02 09:35:48	20
074	2011/12/02 09:36:48	3
075	2011/12/02 09:37:48	5
076	2011/12/02 09:38:48	9
077	2011/12/02 09:39:48	3
078	2011/12/02 09:40:48	1
079	2011/12/02 09:41:48	9
080	2011/12/02 09:42:48	15
081	2011/12/02 09:43:48	13
082	2011/12/02 09:44:48	8
083	2011/12/02 09:45:48	10
084	2011/12/02 09:46:48	8
085	2011/12/02 09:47:48	2
086	2011/12/02 09:48:48	5
087	2011/12/02 09:49:48	3
088	2011/12/02 09:50:48	2
089	2011/12/02 09:51:48	0
090	2011/12/02 09:52:48	3
091	2011/12/02 09:53:48	0
092	2011/12/02 09:54:48	3
093	2011/12/02 09:55:48	0
094	2011/12/02 09:56:48	2
095	2011/12/02 09:57:48	2
096	2011/12/02 09:58:48	4
097	2011/12/02 09:59:48	2
098	2011/12/02 10:00:48	0
099	2011/12/02 10:01:48	2
100	2011/12/02 10:02:48	0
101	2011/12/02 10:03:48	0
102	2011/12/02 10:04:48	0
103	2011/12/02 10:05:48	0
104	2011/12/02 10:06:48	0
105	2011/12/02 10:07:48	0
106	2011/12/02 10:08:48	3
107	2011/12/02 10:09:48	0
108	2011/12/02 10:10:48	0
109	2011/12/02 10:11:48	0
110	2011/12/02 10:12:48	0
111	2011/12/02 10:13:48	0
112	2011/12/02 10:14:48	0
113	2011/12/02 10:15:48	0
114	2011/12/02 10:16:48	0
115	2011/12/02 10:17:48	0
116	2011/12/02 10:18:48	0
117	2011/12/02 10:19:48	0
118	2011/12/02 10:20:48	0
119	2011/12/02 10:21:48	0
120	2011/12/02 10:22:48	1
121	2011/12/02 10:23:48	0
122	2011/12/02 10:24:48	0
123	2011/12/02 10:25:48	0
124	2011/12/02 10:26:48	0
125	2011/12/02 10:27:48	0
126	2011/12/02 10:28:48	1
127	2011/12/02 10:29:48	0
128	2011/12/02 10:30:48	6
129	2011/12/02 10:31:48	4
130	2011/12/02 10:32:48	4
131	2011/12/02 10:33:48	6
132	2011/12/02 10:34:48	4

133	2011/12/02 10:35:48	0
134	2011/12/02 10:36:48	0
135	2011/12/02 10:37:48	0
136	2011/12/02 10:38:48	0
137	2011/12/02 10:39:48	5
138	2011/12/02 10:40:48	0
139	2011/12/02 10:41:48	2
140	2011/12/02 10:42:48	2
141	2011/12/02 10:43:48	5
142	2011/12/02 10:44:48	8
143	2011/12/02 10:45:48	9
144	2011/12/02 10:46:48	11
145	2011/12/02 10:47:48	7
146	2011/12/02 10:48:48	2
147	2011/12/02 10:49:48	0
148	2011/12/02 10:50:48	1
149	2011/12/02 10:51:48	4
150	2011/12/02 10:52:48	2
151	2011/12/02 10:53:48	3
152	2011/12/02 10:54:48	9
153	2011/12/02 10:55:48	11
154	2011/12/02 10:56:48	5
155	2011/12/02 10:57:48	1
156	2011/12/02 10:58:48	5
157	2011/12/02 10:59:48	8
158	2011/12/02 11:00:48	4
159	2011/12/02 11:01:48	4
160	2011/12/02 11:02:48	0
161	2011/12/02 11:03:48	3
162	2011/12/02 11:04:48	3
163	2011/12/02 11:05:48	2
164	2011/12/02 11:06:48	0
165	2011/12/02 11:07:48	0
166	2011/12/02 11:08:48	0
167	2011/12/02 11:09:48	0
168	2011/12/02 11:10:48	0
169	2011/12/02 11:11:48	0
170	2011/12/02 11:12:48	0
171	2011/12/02 11:13:48	1
172	2011/12/02 11:14:48	1
173	2011/12/02 11:15:48	4
174	2011/12/02 11:16:48	3
175	2011/12/02 11:17:48	0
176	2011/12/02 11:18:48	0
177	2011/12/02 11:19:48	1
178	2011/12/02 11:20:48	2
179	2011/12/02 11:21:48	6
180	2011/12/02 11:22:48	0
181	2011/12/02 11:23:48	0
182	2011/12/02 11:24:48	0
183	2011/12/02 11:25:48	0
184	2011/12/02 11:26:48	2
185	2011/12/02 11:27:48	3
186	2011/12/02 11:28:48	0
187	2011/12/02 11:29:48	2
188	2011/12/02 11:30:48	4
189	2011/12/02 11:31:48	9
190	2011/12/02 11:32:48	3
191	2011/12/02 11:33:48	0
192	2011/12/02 11:34:48	0
193	2011/12/02 11:35:48	0
194	2011/12/02 11:36:48	0
195	2011/12/02 11:37:48	6

196	2011/12/02 11:38:48	0
197	2011/12/02 11:39:48	0
198	2011/12/02 11:40:48	0
199	2011/12/02 11:41:48	0
200	2011/12/02 11:42:48	0
201	2011/12/02 11:43:48	0
202	2011/12/02 11:44:48	0
203	2011/12/02 11:45:48	0
204	2011/12/02 11:46:48	0
205	2011/12/02 11:47:48	0
206	2011/12/02 11:48:48	3
207	2011/12/02 11:49:48	0
208	2011/12/02 11:50:48	0
209	2011/12/02 11:51:48	0
210	2011/12/02 11:52:48	0
211	2011/12/02 11:53:48	0
212	2011/12/02 11:54:48	0
213	2011/12/02 11:55:48	0
214	2011/12/02 11:56:48	0
215	2011/12/02 11:57:48	0
216	2011/12/02 11:58:48	0
217	2011/12/02 11:59:48	0
218	2011/12/02 12:00:48	0
219	2011/12/02 12:01:48	0
220	2011/12/02 12:02:48	0
221	2011/12/02 12:03:48	0
222	2011/12/02 12:04:48	0
223	2011/12/02 12:05:48	0
224	2011/12/02 12:06:48	0
225	2011/12/02 12:07:48	0
226	2011/12/02 12:08:48	0
227	2011/12/02 12:09:48	0
228	2011/12/02 12:10:48	0
229	2011/12/02 12:11:48	0
230	2011/12/02 12:12:48	0
231	2011/12/02 12:13:48	0
232	2011/12/02 12:14:48	0
233	2011/12/02 12:15:48	1
234	2011/12/02 12:16:48	0
235	2011/12/02 12:17:48	0
236	2011/12/02 12:18:48	0
237	2011/12/02 12:19:48	0
238	2011/12/02 12:20:48	0
239	2011/12/02 12:21:48	0
240	2011/12/02 12:22:48	0
241	2011/12/02 12:23:48	0
242	2011/12/02 12:24:48	0
243	2011/12/02 12:25:48	0
244	2011/12/02 12:26:48	0
245	2011/12/02 12:27:48	0
246	2011/12/02 12:28:48	0
247	2011/12/02 12:29:48	0
248	2011/12/02 12:30:48	0
249	2011/12/02 12:31:48	0
250	2011/12/02 12:32:48	0
251	2011/12/02 12:33:48	0
252	2011/12/02 12:34:48	0
253	2011/12/02 12:35:48	0
254	2011/12/02 12:36:48	0
255	2011/12/02 12:37:48	0
256	2011/12/02 12:38:48	0
257	2011/12/02 12:39:48	0
258	2011/12/02 12:40:48	0

259	2011/12/02 12:41:48	0
260	2011/12/02 12:42:48	0
261	2011/12/02 12:43:48	0
262	2011/12/02 12:44:48	0
263	2011/12/02 12:45:48	0
264	2011/12/02 12:46:48	0
265	2011/12/02 12:47:48	0
266	2011/12/02 12:48:48	0
267	2011/12/02 12:49:48	0
268	2011/12/02 12:50:48	0
269	2011/12/02 12:51:48	0
270	2011/12/02 12:52:48	0
271	2011/12/02 12:53:48	0
272	2011/12/02 12:54:48	0
273	2011/12/02 12:55:48	0
274	2011/12/02 12:56:48	0
275	2011/12/02 12:57:48	0
276	2011/12/02 12:58:48	0
277	2011/12/02 12:59:48	0
278	2011/12/02 13:00:48	0
279	2011/12/02 13:01:48	0
280	2011/12/02 13:02:48	0
281	2011/12/02 13:03:48	0
282	2011/12/02 13:04:48	0
283	2011/12/02 13:05:48	0
284	2011/12/02 13:06:48	0
285	2011/12/02 13:07:48	0
286	2011/12/02 13:08:48	0
287	2011/12/02 13:09:48	0
288	2011/12/02 13:10:48	0
289	2011/12/02 13:11:48	0
290	2011/12/02 13:12:48	0
291	2011/12/02 13:13:48	1
292	2011/12/02 13:14:48	0
293	2011/12/02 13:15:48	0
294	2011/12/02 13:16:48	0
295	2011/12/02 13:17:48	0
296	2011/12/02 13:18:48	0
297	2011/12/02 13:19:48	0
298	2011/12/02 13:20:48	0
299	2011/12/02 13:21:48	0
300	2011/12/02 13:22:48	1
301	2011/12/02 13:23:48	35
302	2011/12/02 13:24:48	7
303	2011/12/02 13:25:48	0
304	2011/12/02 13:26:48	0
305	2011/12/02 13:27:48	0
306	2011/12/02 13:28:48	0
307	2011/12/02 13:29:48	0
308	2011/12/02 13:30:48	0
309	2011/12/02 13:31:48	0
310	2011/12/02 13:32:48	0
311	2011/12/02 13:33:48	0
312	2011/12/02 13:34:48	0
313	2011/12/02 13:35:48	0
314	2011/12/02 13:36:48	0
315	2011/12/02 13:37:48	0
316	2011/12/02 13:38:48	0
317	2011/12/02 13:39:48	0
318	2011/12/02 13:40:48	0
319	2011/12/02 13:41:48	0
320	2011/12/02 13:42:48	0
321	2011/12/02 13:43:48	0

322	2011/12/02 13:44:48	0
323	2011/12/02 13:45:48	0
324	2011/12/02 13:46:48	0
325	2011/12/02 13:47:48	0
326	2011/12/02 13:48:48	0
327	2011/12/02 13:49:48	0
328	2011/12/02 13:50:48	0
329	2011/12/02 13:51:48	0
330	2011/12/02 13:52:48	0
331	2011/12/02 13:53:48	0
332	2011/12/02 13:54:48	0
333	2011/12/02 13:55:48	0
334	2011/12/02 13:56:48	0
335	2011/12/02 13:57:48	0
336	2011/12/02 13:58:48	0
337	2011/12/02 13:59:48	0
338	2011/12/02 14:00:48	0
339	2011/12/02 14:01:48	0
340	2011/12/02 14:02:48	0
341	2011/12/02 14:03:48	0
342	2011/12/02 14:04:48	0
343	2011/12/02 14:05:48	0
344	2011/12/02 14:06:48	0
345	2011/12/02 14:07:48	0
346	2011/12/02 14:08:48	0
347	2011/12/02 14:09:48	0
348	2011/12/02 14:10:48	0
349	2011/12/02 14:11:48	0
350	2011/12/02 14:12:48	0
351	2011/12/02 14:13:48	0
352	2011/12/02 14:14:48	0
353	2011/12/02 14:15:48	0
354	2011/12/02 14:16:48	0
355	2011/12/02 14:17:48	0
356	2011/12/02 14:18:48	0
357	2011/12/02 14:19:48	0
358	2011/12/02 14:20:48	0
359	2011/12/02 14:21:48	0
360	2011/12/02 14:22:48	0
361	2011/12/02 14:23:48	0
362	2011/12/02 14:24:48	0
363	2011/12/02 14:25:48	0
364	2011/12/02 14:26:48	0
365	2011/12/02 14:27:48	0
366	2011/12/02 14:28:48	0
367	2011/12/02 14:29:48	0
368	2011/12/02 14:30:48	0
369	2011/12/02 14:31:48	0
370	2011/12/02 14:32:48	0
371	2011/12/02 14:33:48	0
372	2011/12/02 14:34:48	0
373	2011/12/02 14:35:48	0
374	2011/12/02 14:36:48	0
375	2011/12/02 14:37:48	0
376	2011/12/02 14:38:48	0
377	2011/12/02 14:39:48	0
378	2011/12/02 14:40:48	0
379	2011/12/02 14:41:48	0
380	2011/12/02 14:42:48	0
381	2011/12/02 14:43:48	4
382	2011/12/02 14:44:48	6
383	2011/12/02 14:45:48	0
384	2011/12/02 14:46:48	0

385	2011/12/02 14:47:48	1
386	2011/12/02 14:48:48	1
387	2011/12/02 14:49:48	0
388	2011/12/02 14:50:48	2
389	2011/12/02 14:51:48	0
390	2011/12/02 14:52:48	0
391	2011/12/02 14:53:48	0
392	2011/12/02 14:54:48	0
393	2011/12/02 14:55:48	0
394	2011/12/02 14:56:48	0
395	2011/12/02 14:57:48	0
396	2011/12/02 14:58:48	0
397	2011/12/02 14:59:48	0
398	2011/12/02 15:00:48	0
399	2011/12/02 15:01:48	0
400	2011/12/02 15:02:48	0
401	2011/12/02 15:03:48	2
402	2011/12/02 15:04:48	0
403	2011/12/02 15:05:48	0
404	2011/12/02 15:06:48	0
405	2011/12/02 15:07:48	0
406	2011/12/02 15:08:48	0
407	2011/12/02 15:09:48	0
408	2011/12/02 15:10:48	0
409	2011/12/02 15:11:48	0
410	2011/12/02 15:12:48	0
411	2011/12/02 15:13:48	0
412	2011/12/02 15:14:48	0
413	2011/12/02 15:15:48	0
414	2011/12/02 15:16:48	0
415	2011/12/02 15:17:48	0
416	2011/12/02 15:18:48	0
417	2011/12/02 15:19:48	0
418	2011/12/02 15:20:48	0
419	2011/12/02 15:21:48	0
420	2011/12/02 15:22:48	0
421	2011/12/02 15:23:48	0
422	2011/12/02 15:24:48	0
423	2011/12/02 15:25:48	0
424	2011/12/02 15:26:48	0
425	2011/12/02 15:27:48	0
426	2011/12/02 15:28:48	0
427	2011/12/02 15:29:48	0
428	2011/12/02 15:30:48	0
429	2011/12/02 15:31:48	0
430	2011/12/02 15:32:48	0
431	2011/12/02 15:33:48	0
432	2011/12/02 15:34:48	0
433	2011/12/02 15:35:48	0
434	2011/12/02 15:36:48	0
435	2011/12/02 15:37:48	0
436	2011/12/02 15:38:48	0
437	2011/12/02 15:39:48	0
Peak	68	
Min	0	
Average	2	

****

TWA/STEL

No enabled sensor supports TWA/STEL.

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11/12/05 08:57

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-905893
Unit Firmware Ver	V1.10A
Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	RAE00000
User ID	00000001
Begin	2011/12/05 08:57:49
End	2011/12/05 15:01:50
Sample Period(s)	60
Number of Records	0
Sensor	VOC(ppb)
Span	100000
Span H	N/A
Low Alarm	50000
High Alarm	100000
Over Alarm	15000000
STEL Alarm	25000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/11 12:40

****

Datalog
0 record.

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11/12/07 07:51

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-905893
Unit Firmware Ver	V1.10A
Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	RAE00000
User ID	00000001
Begin	2011/12/07 07:51:32
End	2011/12/07 15:39:07
Sample Period(s)	60
Number of Records	467
Sensor	VOC(ppb)
Span	100000
Span H	N/A

Low Alarm	50000
High Alarm	100000
Over Alarm	15000000
STEL Alarm	25000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/11 12:40
Peak	N/A
Min	N/A
Average	N/A

****

Datalog

Index	Date/Time	VOC(ppb)(Avg)
001	2011/12/07 07:52:32	0
002	2011/12/07 07:53:32	0
003	2011/12/07 07:54:32	0
004	2011/12/07 07:55:32	0
005	2011/12/07 07:56:32	0
006	2011/12/07 07:57:32	0
007	2011/12/07 07:58:32	0
008	2011/12/07 07:59:32	0
009	2011/12/07 08:00:32	0
010	2011/12/07 08:01:32	0
011	2011/12/07 08:02:32	0
012	2011/12/07 08:03:32	0
013	2011/12/07 08:04:32	0
014	2011/12/07 08:05:32	0
015	2011/12/07 08:06:32	0
016	2011/12/07 08:07:32	0
017	2011/12/07 08:08:32	0
018	2011/12/07 08:09:32	0
019	2011/12/07 08:10:32	0
020	2011/12/07 08:11:32	0
021	2011/12/07 08:12:32	0
022	2011/12/07 08:13:32	0
023	2011/12/07 08:14:32	0
024	2011/12/07 08:15:32	0
025	2011/12/07 08:16:32	0
026	2011/12/07 08:17:32	0
027	2011/12/07 08:18:32	0
028	2011/12/07 08:19:32	1
029	2011/12/07 08:20:32	0
030	2011/12/07 08:21:32	4
031	2011/12/07 08:22:32	1
032	2011/12/07 08:23:32	6
033	2011/12/07 08:24:32	9
034	2011/12/07 08:25:32	12
035	2011/12/07 08:26:32	14
036	2011/12/07 08:27:32	17
037	2011/12/07 08:28:32	14
038	2011/12/07 08:29:32	5
039	2011/12/07 08:30:32	11
040	2011/12/07 08:31:32	15
041	2011/12/07 08:32:32	15
042	2011/12/07 08:33:32	16
043	2011/12/07 08:34:32	22
044	2011/12/07 08:35:32	28
045	2011/12/07 08:36:32	23
046	2011/12/07 08:37:32	20
047	2011/12/07 08:38:32	26
048	2011/12/07 08:39:32	34
049	2011/12/07 08:40:32	39

050	2011/12/07 08:41:32	41
051	2011/12/07 08:42:32	44
052	2011/12/07 08:43:32	47
053	2011/12/07 08:44:32	28
054	2011/12/07 08:45:32	12
055	2011/12/07 08:46:32	10
056	2011/12/07 08:47:32	15
057	2011/12/07 08:48:32	21
058	2011/12/07 08:49:32	25
059	2011/12/07 08:50:32	26
060	2011/12/07 08:51:32	17
061	2011/12/07 08:52:32	19
062	2011/12/07 08:53:32	28
063	2011/12/07 08:54:32	35
064	2011/12/07 08:55:32	39
065	2011/12/07 08:56:32	41
066	2011/12/07 08:57:32	40
067	2011/12/07 08:58:32	40
068	2011/12/07 08:59:32	41
069	2011/12/07 09:00:32	46
070	2011/12/07 09:01:32	52
071	2011/12/07 09:02:32	55
072	2011/12/07 09:03:32	56
073	2011/12/07 09:04:32	48
074	2011/12/07 09:05:32	38
075	2011/12/07 09:06:32	39
076	2011/12/07 09:07:32	37
077	2011/12/07 09:08:32	36
078	2011/12/07 09:09:32	34
079	2011/12/07 09:10:32	39
080	2011/12/07 09:11:32	43
081	2011/12/07 09:12:32	48
082	2011/12/07 09:13:32	52
083	2011/12/07 09:14:32	54
084	2011/12/07 09:15:32	56
085	2011/12/07 09:16:32	58
086	2011/12/07 09:17:32	60
087	2011/12/07 09:18:32	61
088	2011/12/07 09:19:32	62
089	2011/12/07 09:20:32	63
090	2011/12/07 09:21:32	62
091	2011/12/07 09:22:32	60
092	2011/12/07 09:23:32	61
093	2011/12/07 09:24:32	61
094	2011/12/07 09:25:32	63
095	2011/12/07 09:26:32	64
096	2011/12/07 09:27:32	65
097	2011/12/07 09:28:32	66
098	2011/12/07 09:29:32	68
099	2011/12/07 09:30:32	64
100	2011/12/07 09:31:32	65
101	2011/12/07 09:32:32	65
102	2011/12/07 09:33:32	62
103	2011/12/07 09:34:32	57
104	2011/12/07 09:35:32	55
105	2011/12/07 09:36:32	58
106	2011/12/07 09:37:32	58
107	2011/12/07 09:38:32	58
108	2011/12/07 09:39:32	58
109	2011/12/07 09:40:32	57
110	2011/12/07 09:41:32	45
111	2011/12/07 09:42:32	41
112	2011/12/07 09:43:32	41

113	2011/12/07 09:44:32	44
114	2011/12/07 09:45:32	44
115	2011/12/07 09:46:32	44
116	2011/12/07 09:47:32	41
117	2011/12/07 09:48:32	40
118	2011/12/07 09:49:32	35
119	2011/12/07 09:50:32	39
120	2011/12/07 09:51:32	42
121	2011/12/07 09:52:32	47
122	2011/12/07 09:53:32	47
123	2011/12/07 09:54:32	42
124	2011/12/07 09:55:32	42
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127	2011/12/07 09:58:32	49
128	2011/12/07 09:59:32	48
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130	2011/12/07 10:01:32	41
131	2011/12/07 10:02:32	38
132	2011/12/07 10:03:32	44
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175	2011/12/07 10:46:32	56

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336	2011/12/07 13:27:32	63
337	2011/12/07 13:28:32	63
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359	2011/12/07 13:50:32	52
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366	2011/12/07 13:57:32	54
367	2011/12/07 13:58:32	54
368	2011/12/07 13:59:32	54
369	2011/12/07 14:00:32	55
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381	2011/12/07 14:12:32	57
382	2011/12/07 14:13:32	57
383	2011/12/07 14:14:32	57
384	2011/12/07 14:15:32	51
385	2011/12/07 14:16:32	50
386	2011/12/07 14:17:32	50
387	2011/12/07 14:18:32	51
388	2011/12/07 14:19:32	50
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423	2011/12/07 14:54:32	49
424	2011/12/07 14:55:32	48
425	2011/12/07 14:56:32	46
426	2011/12/07 14:57:32	47
427	2011/12/07 14:58:32	47

428	2011/12/07 14:59:32	47
429	2011/12/07 15:00:32	48
430	2011/12/07 15:01:32	48
431	2011/12/07 15:02:32	48
432	2011/12/07 15:03:32	46
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437	2011/12/07 15:08:32	44
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439	2011/12/07 15:10:32	41
440	2011/12/07 15:11:32	40
441	2011/12/07 15:12:32	38
442	2011/12/07 15:13:32	29
443	2011/12/07 15:14:32	25
444	2011/12/07 15:15:32	27
445	2011/12/07 15:16:32	28
446	2011/12/07 15:17:32	30
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456	2011/12/07 15:27:32	33
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458	2011/12/07 15:29:32	34
459	2011/12/07 15:30:32	35
460	2011/12/07 15:31:32	34
461	2011/12/07 15:32:32	33
462	2011/12/07 15:33:32	38
463	2011/12/07 15:34:32	40
464	2011/12/07 15:35:32	31
465	2011/12/07 15:36:32	27
466	2011/12/07 15:37:32	23
467	2011/12/07 15:38:32	20
Peak	80	
Min	0	
Average	49	

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TWA/STEL

No enabled sensor supports TWA/STEL.

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11/12/08 08:32

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-905893
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	00000001
Begin	2011/12/08 08:32:08
End	2011/12/08 15:07:08
Sample Period(s)	60
Number of Records	395
Sensor	VOC(ppb)
Span	100000
Span H	N/A
Low Alarm	50000
High Alarm	100000
Over Alarm	15000000
STEL Alarm	25000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/11 12:40
Peak	N/A
Min	N/A
Average	N/A

****

Datalog

Index	Date/Time	VOC(ppb)(Avg)
001	2011/12/08 08:33:08	0
002	2011/12/08 08:34:08	0
003	2011/12/08 08:35:08	0
004	2011/12/08 08:36:08	0
005	2011/12/08 08:37:08	0
006	2011/12/08 08:38:08	0
007	2011/12/08 08:39:08	0
008	2011/12/08 08:40:08	0
009	2011/12/08 08:41:08	0
010	2011/12/08 08:42:08	0
011	2011/12/08 08:43:08	0
012	2011/12/08 08:44:08	0
013	2011/12/08 08:45:08	0
014	2011/12/08 08:46:08	0
015	2011/12/08 08:47:08	0
016	2011/12/08 08:48:08	0
017	2011/12/08 08:49:08	0
018	2011/12/08 08:50:08	0
019	2011/12/08 08:51:08	0
020	2011/12/08 08:52:08	0
021	2011/12/08 08:53:08	0
022	2011/12/08 08:54:08	0
023	2011/12/08 08:55:08	0
024	2011/12/08 08:56:08	0
025	2011/12/08 08:57:08	0
026	2011/12/08 08:58:08	0
027	2011/12/08 08:59:08	0
028	2011/12/08 09:00:08	0
029	2011/12/08 09:01:08	0
030	2011/12/08 09:02:08	0
031	2011/12/08 09:03:08	0
032	2011/12/08 09:04:08	0
033	2011/12/08 09:05:08	0
034	2011/12/08 09:06:08	0
035	2011/12/08 09:07:08	0
036	2011/12/08 09:08:08	0
037	2011/12/08 09:09:08	0
038	2011/12/08 09:10:08	0

039	2011/12/08 09:11:08	0
040	2011/12/08 09:12:08	0
041	2011/12/08 09:13:08	0
042	2011/12/08 09:14:08	0
043	2011/12/08 09:15:08	0
044	2011/12/08 09:16:08	0
045	2011/12/08 09:17:08	0
046	2011/12/08 09:18:08	0
047	2011/12/08 09:19:08	0
048	2011/12/08 09:20:08	0
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050	2011/12/08 09:22:08	0
051	2011/12/08 09:23:08	0
052	2011/12/08 09:24:08	0
053	2011/12/08 09:25:08	0
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059	2011/12/08 09:31:08	0
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063	2011/12/08 09:35:08	0
064	2011/12/08 09:36:08	0
065	2011/12/08 09:37:08	0
066	2011/12/08 09:38:08	0
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071	2011/12/08 09:43:08	0
072	2011/12/08 09:44:08	0
073	2011/12/08 09:45:08	0
074	2011/12/08 09:46:08	0
075	2011/12/08 09:47:08	0
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077	2011/12/08 09:49:08	0
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081	2011/12/08 09:53:08	0
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087	2011/12/08 09:59:08	0
088	2011/12/08 10:00:08	0
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332	2011/12/08 14:04:08	34
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334	2011/12/08 14:06:08	17
335	2011/12/08 14:07:08	20
336	2011/12/08 14:08:08	6
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338	2011/12/08 14:10:08	6
339	2011/12/08 14:11:08	5
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351	2011/12/08 14:23:08	3
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353	2011/12/08 14:25:08	1

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363	2011/12/08 14:35:08	9
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371	2011/12/08 14:43:08	7
372	2011/12/08 14:44:08	1
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383	2011/12/08 14:55:08	5
384	2011/12/08 14:56:08	4
385	2011/12/08 14:57:08	1
386	2011/12/08 14:58:08	1
387	2011/12/08 14:59:08	0
388	2011/12/08 15:00:08	0
389	2011/12/08 15:01:08	0
390	2011/12/08 15:02:08	0
391	2011/12/08 15:03:08	0
392	2011/12/08 15:04:08	0
393	2011/12/08 15:05:08	0
394	2011/12/08 15:06:08	1
395	2011/12/08 15:07:08	3
Peak	16777216	
Min	0	
Average	42475	

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TWA/STEL

No enabled sensor supports TWA/STEL.

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11/12/09 08:40

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-905893
Unit Firmware Ver	V1.10A

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No

Stop Reason	Power Down
Site ID	RAE00000
User ID	00000001
Begin	2011/12/09 08:40:37
End	2011/12/09 14:59:13
Sample Period(s)	60
Number of Records	378
Sensor	VOC(ppb)
Span	100000
Span H	N/A
Low Alarm	50000
High Alarm	100000
Over Alarm	15000000
STEL Alarm	25000
TWA Alarm	10000
Measurement Gas	Isobutene
Calibration Time	2011/11/11 12:40
Peak	N/A
Min	N/A
Average	N/A

****

Datalog

Index	Date/Time	VOC(ppb)(Avg)
001	2011/12/09 08:41:37	0
002	2011/12/09 08:42:37	0
003	2011/12/09 08:43:37	0
004	2011/12/09 08:44:37	0
005	2011/12/09 08:45:37	0
006	2011/12/09 08:46:37	0
007	2011/12/09 08:47:37	0
008	2011/12/09 08:48:37	0
009	2011/12/09 08:49:37	0
010	2011/12/09 08:50:37	0
011	2011/12/09 08:51:37	0
012	2011/12/09 08:52:37	0
013	2011/12/09 08:53:37	0
014	2011/12/09 08:54:37	0
015	2011/12/09 08:55:37	0
016	2011/12/09 08:56:37	0
017	2011/12/09 08:57:37	0
018	2011/12/09 08:58:37	0
019	2011/12/09 08:59:37	0
020	2011/12/09 09:00:37	0
021	2011/12/09 09:01:37	0
022	2011/12/09 09:02:37	0
023	2011/12/09 09:03:37	0
024	2011/12/09 09:04:37	0
025	2011/12/09 09:05:37	0
026	2011/12/09 09:06:37	0
027	2011/12/09 09:07:37	0
028	2011/12/09 09:08:37	0
029	2011/12/09 09:09:37	0
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033	2011/12/09 09:13:37	0
034	2011/12/09 09:14:37	0
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038	2011/12/09 09:18:37	0
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059	2011/12/09 09:39:37	0
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061	2011/12/09 09:41:37	0
062	2011/12/09 09:42:37	0
063	2011/12/09 09:43:37	1
064	2011/12/09 09:44:37	3
065	2011/12/09 09:45:37	0
066	2011/12/09 09:46:37	0
067	2011/12/09 09:47:37	1
068	2011/12/09 09:48:37	3
069	2011/12/09 09:49:37	2
070	2011/12/09 09:50:37	2
071	2011/12/09 09:51:37	2
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074	2011/12/09 09:54:37	3
075	2011/12/09 09:55:37	2
076	2011/12/09 09:56:37	5
077	2011/12/09 09:57:37	3
078	2011/12/09 09:58:37	2
079	2011/12/09 09:59:37	1
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082	2011/12/09 10:02:37	0
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087	2011/12/09 10:07:37	3
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089	2011/12/09 10:09:37	6
090	2011/12/09 10:10:37	6
091	2011/12/09 10:11:37	3
092	2011/12/09 10:12:37	5
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097	2011/12/09 10:17:37	6
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145	2011/12/09 11:05:37	3
146	2011/12/09 11:06:37	3
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233	2011/12/09 12:33:37	0
234	2011/12/09 12:34:37	2
235	2011/12/09 12:35:37	1
236	2011/12/09 12:36:37	1
237	2011/12/09 12:37:37	2
238	2011/12/09 12:38:37	0
239	2011/12/09 12:39:37	0
240	2011/12/09 12:40:37	1
241	2011/12/09 12:41:37	0
242	2011/12/09 12:42:37	0
243	2011/12/09 12:43:37	1
244	2011/12/09 12:44:37	1
245	2011/12/09 12:45:37	0
246	2011/12/09 12:46:37	0
247	2011/12/09 12:47:37	0
248	2011/12/09 12:48:37	1
249	2011/12/09 12:49:37	1
250	2011/12/09 12:50:37	0
251	2011/12/09 12:51:37	2
252	2011/12/09 12:52:37	3
253	2011/12/09 12:53:37	2
254	2011/12/09 12:54:37	2
255	2011/12/09 12:55:37	1
256	2011/12/09 12:56:37	1
257	2011/12/09 12:57:37	3
258	2011/12/09 12:58:37	2
259	2011/12/09 12:59:37	0
260	2011/12/09 13:00:37	1
261	2011/12/09 13:01:37	3
262	2011/12/09 13:02:37	3
263	2011/12/09 13:03:37	4
264	2011/12/09 13:04:37	3
265	2011/12/09 13:05:37	3
266	2011/12/09 13:06:37	5
267	2011/12/09 13:07:37	8
268	2011/12/09 13:08:37	5
269	2011/12/09 13:09:37	2
270	2011/12/09 13:10:37	0
271	2011/12/09 13:11:37	0
272	2011/12/09 13:12:37	1
273	2011/12/09 13:13:37	2
274	2011/12/09 13:14:37	5
275	2011/12/09 13:15:37	6
276	2011/12/09 13:16:37	6
277	2011/12/09 13:17:37	9
278	2011/12/09 13:18:37	4
279	2011/12/09 13:19:37	7
280	2011/12/09 13:20:37	10
281	2011/12/09 13:21:37	11
282	2011/12/09 13:22:37	10
283	2011/12/09 13:23:37	9
284	2011/12/09 13:24:37	10
285	2011/12/09 13:25:37	1
286	2011/12/09 13:26:37	0
287	2011/12/09 13:27:37	1
288	2011/12/09 13:28:37	0

289	2011/12/09 13:29:37	0
290	2011/12/09 13:30:37	0
291	2011/12/09 13:31:37	1
292	2011/12/09 13:32:37	2
293	2011/12/09 13:33:37	0
294	2011/12/09 13:34:37	0
295	2011/12/09 13:35:37	0
296	2011/12/09 13:36:37	0
297	2011/12/09 13:37:37	0
298	2011/12/09 13:38:37	0
299	2011/12/09 13:39:37	0
300	2011/12/09 13:40:37	1
301	2011/12/09 13:41:37	2
302	2011/12/09 13:42:37	2
303	2011/12/09 13:43:37	0
304	2011/12/09 13:44:37	2
305	2011/12/09 13:45:37	2
306	2011/12/09 13:46:37	4
307	2011/12/09 13:47:37	3
308	2011/12/09 13:48:37	1
309	2011/12/09 13:49:37	3
310	2011/12/09 13:50:37	6
311	2011/12/09 13:51:37	9
312	2011/12/09 13:52:37	3
313	2011/12/09 13:53:37	6
314	2011/12/09 13:54:37	9
315	2011/12/09 13:55:37	5
316	2011/12/09 13:56:37	2
317	2011/12/09 13:57:37	2
318	2011/12/09 13:58:37	0
319	2011/12/09 13:59:37	0
320	2011/12/09 14:00:37	0
321	2011/12/09 14:01:37	0
322	2011/12/09 14:02:37	0
323	2011/12/09 14:03:37	0
324	2011/12/09 14:04:37	0
325	2011/12/09 14:05:37	0
326	2011/12/09 14:06:37	0
327	2011/12/09 14:07:37	2
328	2011/12/09 14:08:37	5
329	2011/12/09 14:09:37	1
330	2011/12/09 14:10:37	1
331	2011/12/09 14:11:37	0
332	2011/12/09 14:12:37	1
333	2011/12/09 14:13:37	3
334	2011/12/09 14:14:37	2
335	2011/12/09 14:15:37	0
336	2011/12/09 14:16:37	1
337	2011/12/09 14:17:37	0
338	2011/12/09 14:18:37	0
339	2011/12/09 14:19:37	0
340	2011/12/09 14:20:37	0
341	2011/12/09 14:21:37	0
342	2011/12/09 14:22:37	0
343	2011/12/09 14:23:37	3
344	2011/12/09 14:24:37	0
345	2011/12/09 14:25:37	0
346	2011/12/09 14:26:37	0
347	2011/12/09 14:27:37	1
348	2011/12/09 14:28:37	0
349	2011/12/09 14:29:37	0
350	2011/12/09 14:30:37	0
351	2011/12/09 14:31:37	0

352	2011/12/09	14:32:37	0
353	2011/12/09	14:33:37	0
354	2011/12/09	14:34:37	0
355	2011/12/09	14:35:37	1
356	2011/12/09	14:36:37	1
357	2011/12/09	14:37:37	2
358	2011/12/09	14:38:37	6
359	2011/12/09	14:39:37	1
360	2011/12/09	14:40:37	0
361	2011/12/09	14:41:37	0
362	2011/12/09	14:42:37	2
363	2011/12/09	14:43:37	6
364	2011/12/09	14:44:37	4
365	2011/12/09	14:45:37	2
366	2011/12/09	14:46:37	0
367	2011/12/09	14:47:37	0
368	2011/12/09	14:48:37	0
369	2011/12/09	14:49:37	0
370	2011/12/09	14:50:37	0
371	2011/12/09	14:51:37	0
372	2011/12/09	14:52:37	0
373	2011/12/09	14:53:37	0
374	2011/12/09	14:54:37	0
375	2011/12/09	14:55:37	0
376	2011/12/09	14:56:37	0
377	2011/12/09	14:57:37	0
378	2011/12/09	14:58:37	0
Peak	12		
Min	0		
Average	3		

****

TWA/STEL

No enabled sensor supports TWA/STEL.

TrakPro Version 4.51 ASCII Data File

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114003
Test ID:,001
Test Abbreviation:,MANUAL_001
Start Date:,11/14/2011
Start Time:,08:22:29
Duration (dd:hh:mm:ss):,0:01:30:00
Log Interval (mm:ss):,15:00
Number of points:,6
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.018
,Minimum:,0.017
,Time of Minimum:,08:52:29
,Date of Minimum:,11/14/2011
,Maximum:,0.020
,Time of Maximum:,09:07:29
,Date of Maximum:,11/14/2011

Calibration,Sensor:,AEROSOL
,Cal. date,09/27/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
11/14/2011,08:37:29,0.018
11/14/2011,08:52:29,0.017
11/14/2011,09:07:29,0.020
11/14/2011,09:22:29,0.017
11/14/2011,09:37:29,0.018
11/14/2011,09:52:29,0.017

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114003
Test ID:,002
Test Abbreviation:,MANUAL_002
Start Date:,11/14/2011
Start Time:,10:02:37
Duration (dd:hh:mm:ss):,0:00:15:00
Number of points:,1
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.018
,Minimum:,0.018
,Time of Minimum:,10:17:37
,Date of Minimum:,11/14/2011
,Maximum:,0.018
,Time of Maximum:,10:17:37
,Date of Maximum:,11/14/2011

Calibration,Sensor:,AEROSOL
,Cal. date,09/27/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
11/14/2011,10:17:37,0.018

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114003
Test ID:,003
Test Abbreviation:,MANUAL_003
Start Date:,11/14/2011
Start Time:,10:28:47
Duration (dd:hh:mm:ss):,0:04:15:00
Log Interval (mm:ss):,15:00
Number of points:,17
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.018
,Minimum:,0.009
,Time of Minimum:,14:13:47
,Date of Minimum:,11/14/2011
,Maximum:,0.040
,Time of Maximum:,11:28:47
,Date of Maximum:,11/14/2011

Calibration,Sensor:,AEROSOL
,Cal. date,09/27/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
11/14/2011,10:43:47,0.022
11/14/2011,10:58:47,0.026
11/14/2011,11:13:47,0.029
11/14/2011,11:28:47,0.040
11/14/2011,11:43:47,0.022
11/14/2011,11:58:47,0.023
11/14/2011,12:13:47,0.023
11/14/2011,12:28:47,0.014
11/14/2011,12:43:47,0.011
11/14/2011,12:58:47,0.015
11/14/2011,13:13:47,0.014
11/14/2011,13:28:47,0.013
11/14/2011,13:43:47,0.018
11/14/2011,13:58:47,0.013
11/14/2011,14:13:47,0.009
11/14/2011,14:28:47,0.009
11/14/2011,14:43:47,0.009

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114003
Test ID:,004
Test Abbreviation:,MANUAL_004
Start Date:,11/15/2011
Start Time:,08:04:45
Duration (dd:hh:mm:ss):,0:03:30:00
Log Interval (mm:ss):,15:00
Number of points:,14
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.033
,Minimum:,0.019
,Time of Minimum:,11:34:45

,Date of Minimum:,11/15/2011
,Maximum:,0.052
,Time of Maximum:,08:19:45
,Date of Maximum:,11/15/2011

Calibration,Sensor:,AEROSOL
,Cal. date,09/27/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
11/15/2011,08:19:45,0.052
11/15/2011,08:34:45,0.049
11/15/2011,08:49:45,0.045
11/15/2011,09:04:45,0.041
11/15/2011,09:19:45,0.038
11/15/2011,09:34:45,0.034
11/15/2011,09:49:45,0.031
11/15/2011,10:04:45,0.030
11/15/2011,10:19:45,0.027
11/15/2011,10:34:45,0.025
11/15/2011,10:49:45,0.023
11/15/2011,11:04:45,0.022
11/15/2011,11:19:45,0.021
11/15/2011,11:34:45,0.019

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114003
Test ID:,005
Test Abbreviation:,MANUAL_005
Start Date:,11/15/2011
Start Time:,11:46:12
Duration (dd:hh:mm:ss):,0:03:45:00
Log Interval (mm:ss):,15:00
Number of points:,15
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.013
,Minimum:,0.009
,Time of Minimum:,14:31:12
,Date of Minimum:,11/15/2011
,Maximum:,0.018
,Time of Maximum:,13:16:12
,Date of Maximum:,11/15/2011

Calibration,Sensor:,AEROSOL
,Cal. date,09/27/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
11/15/2011,12:01:12,0.016
11/15/2011,12:16:12,0.016
11/15/2011,12:31:12,0.016
11/15/2011,12:46:12,0.017
11/15/2011,13:01:12,0.017
11/15/2011,13:16:12,0.018
11/15/2011,13:31:12,0.014
11/15/2011,13:46:12,0.013
11/15/2011,14:01:12,0.011
11/15/2011,14:16:12,0.010
11/15/2011,14:31:12,0.009

11/15/2011,14:46:12,0.010
11/15/2011,15:01:12,0.011
11/15/2011,15:16:12,0.009
11/15/2011,15:31:12,0.010

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114003
Test ID:,006
Test Abbreviation:,MANUAL_006
Start Date:,11/16/2011
Start Time:,08:52:27
Duration (dd:hh:mm:ss):,0:06:45:00
Log Interval (mm:ss):,15:00
Number of points:,27
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.036
,Minimum:,0.030
,Time of Minimum:,10:52:27
,Date of Minimum:,11/16/2011
,Maximum:,0.054
,Time of Maximum:,15:37:27
,Date of Maximum:,11/16/2011

Calibration,Sensor:,AEROSOL
,Cal. date,09/27/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
11/16/2011,09:07:27,0.031
11/16/2011,09:22:27,0.031
11/16/2011,09:37:27,0.032
11/16/2011,09:52:27,0.031
11/16/2011,10:07:27,0.032
11/16/2011,10:22:27,0.032
11/16/2011,10:37:27,0.031
11/16/2011,10:52:27,0.030
11/16/2011,11:07:27,0.036
11/16/2011,11:22:27,0.037
11/16/2011,11:37:27,0.038
11/16/2011,11:52:27,0.036
11/16/2011,12:07:27,0.037
11/16/2011,12:22:27,0.035
11/16/2011,12:37:27,0.034
11/16/2011,12:52:27,0.034
11/16/2011,13:07:27,0.035
11/16/2011,13:22:27,0.038
11/16/2011,13:37:27,0.038
11/16/2011,13:52:27,0.037
11/16/2011,14:07:27,0.038
11/16/2011,14:22:27,0.037
11/16/2011,14:37:27,0.038
11/16/2011,14:52:27,0.040
11/16/2011,15:07:27,0.043
11/16/2011,15:22:27,0.046
11/16/2011,15:37:27,0.054

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114003

Test ID:,007
Test Abbreviation:,MANUAL_007
Start Date:,11/17/2011
Start Time:,08:34:38
Duration (dd:hh:mm:ss):,0:07:33:00
Log Interval (mm:ss):,15:00
Number of points:,28
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.020
,Minimum:,0.000
,Time of Minimum:,16:08:27
,Date of Minimum:,11/17/2011
,Maximum:,0.032
,Time of Maximum:,10:04:38
,Date of Maximum:,11/17/2011

Calibration,Sensor:,AEROSOL
,Cal. date,09/27/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
11/17/2011,08:49:38,0.027
11/17/2011,09:04:38,0.023
11/17/2011,09:19:38,0.029
11/17/2011,09:34:38,0.026
11/17/2011,09:49:38,0.025
11/17/2011,10:04:38,0.032
11/17/2011,10:19:38,0.029
11/17/2011,10:34:38,0.018
11/17/2011,10:49:38,0.024
11/17/2011,11:04:38,0.019
11/17/2011,11:19:38,0.018
11/17/2011,11:34:38,0.018
11/17/2011,11:49:38,0.017
11/17/2011,12:04:38,0.016
11/17/2011,12:19:38,0.015
11/17/2011,12:34:38,0.014
11/17/2011,12:49:38,0.021
11/17/2011,13:04:38,0.017
11/17/2011,13:19:38,0.020
11/17/2011,13:34:38,0.016
11/17/2011,13:49:38,0.017
11/17/2011,14:04:38,0.025
11/17/2011,14:19:38,0.018
11/17/2011,14:34:38,0.020
11/17/2011,14:49:38,0.020
11/17/2011,15:04:38,0.019
11/17/2011,15:19:38,0.017
11/17/2011,16:08:27,0.000

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114003
Test ID:,008
Test Abbreviation:,MANUAL_008
Start Date:,11/18/2011
Start Time:,07:52:52
Duration (dd:hh:mm:ss):,0:01:45:00
Log Interval (mm:ss):,15:00
Number of points:,7

Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.029
,Minimum:,0.023
,Time of Minimum:,09:37:52
,Date of Minimum:,11/18/2011
,Maximum:,0.036
,Time of Maximum:,09:22:52
,Date of Maximum:,11/18/2011

Calibration,Sensor:,AEROSOL
,Cal. date,09/27/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
11/18/2011,08:07:52,0.027
11/18/2011,08:22:52,0.025
11/18/2011,08:37:52,0.025
11/18/2011,08:52:52,0.031
11/18/2011,09:07:52,0.033
11/18/2011,09:22:52,0.036
11/18/2011,09:37:52,0.023

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114003
Test ID:,009
Test Abbreviation:,MANUAL_009
Start Date:,11/22/2011
Start Time:,14:22:33
Duration (dd:hh:mm:ss):,0:00:30:00
Log Interval (mm:ss):,15:00
Number of points:,2
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.015
,Minimum:,0.012
,Time of Minimum:,14:52:33
,Date of Minimum:,11/22/2011
,Maximum:,0.017
,Time of Maximum:,14:37:33
,Date of Maximum:,11/22/2011

Calibration,Sensor:,AEROSOL
,Cal. date,09/27/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
11/22/2011,14:37:33,0.017
11/22/2011,14:52:33,0.012

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114003
Test ID:,010
Test Abbreviation:,MANUAL_010
Start Date:,11/23/2011
Start Time:,08:13:58
Duration (dd:hh:mm:ss):,0:05:45:00

Log Interval (mm:ss):,15:00
Number of points:,23
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.006
,Minimum:,0.003
,Time of Minimum:,08:58:58
,Date of Minimum:,11/23/2011
,Maximum:,0.028
,Time of Maximum:,10:13:58
,Date of Maximum:,11/23/2011

Calibration,Sensor:,AEROSOL
,Cal. date,09/27/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
11/23/2011,08:28:58,0.006
11/23/2011,08:43:58,0.004
11/23/2011,08:58:58,0.003
11/23/2011,09:13:58,0.003
11/23/2011,09:28:58,0.004
11/23/2011,09:43:58,0.004
11/23/2011,09:58:58,0.004
11/23/2011,10:13:58,0.028
11/23/2011,10:28:58,0.005
11/23/2011,10:43:58,0.006
11/23/2011,10:58:58,0.005
11/23/2011,11:13:58,0.005
11/23/2011,11:28:58,0.005
11/23/2011,11:43:58,0.005
11/23/2011,11:58:58,0.006
11/23/2011,12:13:58,0.006
11/23/2011,12:28:58,0.005
11/23/2011,12:43:58,0.005
11/23/2011,12:58:58,0.005
11/23/2011,13:13:58,0.005
11/23/2011,13:28:58,0.006
11/23/2011,13:43:58,0.008
11/23/2011,13:58:58,0.007

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114003
Test ID:,011
Test Abbreviation:,MANUAL_011
Start Date:,11/28/2011
Start Time:,08:08:35
Duration (dd:hh:mm:ss):,0:06:30:00
Log Interval (mm:ss):,15:00
Number of points:,26
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.004
,Minimum:,0.000
,Time of Minimum:,08:38:35
,Date of Minimum:,11/28/2011
,Maximum:,0.020
,Time of Maximum:,14:23:35

,Date of Maximum:,11/28/2011

Calibration,Sensor:,AEROSOL
,Cal. date,09/27/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
11/28/2011,08:23:35,0.001
11/28/2011,08:38:35,0.000
11/28/2011,08:53:35,0.004
11/28/2011,09:08:35,0.002
11/28/2011,09:23:35,0.002
11/28/2011,09:38:35,0.000
11/28/2011,09:53:35,0.000
11/28/2011,10:08:35,0.004
11/28/2011,10:23:35,0.000
11/28/2011,10:38:35,0.000
11/28/2011,10:53:35,0.000
11/28/2011,11:08:35,0.002
11/28/2011,11:23:35,0.000
11/28/2011,11:38:35,0.002
11/28/2011,11:53:35,0.000
11/28/2011,12:08:35,0.000
11/28/2011,12:23:35,0.000
11/28/2011,12:38:35,0.004
11/28/2011,12:53:35,0.003
11/28/2011,13:08:35,0.012
11/28/2011,13:23:35,0.014
11/28/2011,13:38:35,0.009
11/28/2011,13:53:35,0.008
11/28/2011,14:08:35,0.008
11/28/2011,14:23:35,0.020
11/28/2011,14:38:35,0.005

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114003
Test ID:,012
Test Abbreviation:,MANUAL_012
Start Date:,11/29/2011
Start Time:,08:34:11
Duration (dd:hh:mm:ss):,0:06:15:00
Log Interval (mm:ss):,15:00
Number of points:,25
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.033
,Minimum:,0.022
,Time of Minimum:,14:19:11
,Date of Minimum:,11/29/2011
,Maximum:,0.063
,Time of Maximum:,10:49:11
,Date of Maximum:,11/29/2011

Calibration,Sensor:,AEROSOL
,Cal. date,09/27/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
11/29/2011,08:49:11,0.036
11/29/2011,09:04:11,0.042

11/29/2011,09:19:11,0.036
11/29/2011,09:34:11,0.037
11/29/2011,09:49:11,0.034
11/29/2011,10:04:11,0.026
11/29/2011,10:19:11,0.028
11/29/2011,10:34:11,0.041
11/29/2011,10:49:11,0.063
11/29/2011,11:04:11,0.040
11/29/2011,11:19:11,0.029
11/29/2011,11:34:11,0.041
11/29/2011,11:49:11,0.041
11/29/2011,12:04:11,0.032
11/29/2011,12:19:11,0.035
11/29/2011,12:34:11,0.024
11/29/2011,12:49:11,0.028
11/29/2011,13:04:11,0.028
11/29/2011,13:19:11,0.025
11/29/2011,13:34:11,0.024
11/29/2011,13:49:11,0.026
11/29/2011,14:04:11,0.038
11/29/2011,14:19:11,0.022
11/29/2011,14:34:11,0.026
11/29/2011,14:49:11,0.028

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114003
Test ID:,013
Test Abbreviation:,MANUAL_013
Start Date:,12/05/2011
Start Time:,08:45:53
Duration (dd:hh:mm:ss):,0:06:36:00
Log Interval (mm:ss):,15:00
Number of points:,26
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.002
,Minimum:,0.000
,Time of Minimum:,10:00:53
,Date of Minimum:,12/05/2011
,Maximum:,0.017
,Time of Maximum:,09:00:53
,Date of Maximum:,12/05/2011

Calibration,Sensor:,AEROSOL
,Cal. date,09/27/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
12/05/2011,09:00:53,0.017
12/05/2011,09:15:53,0.003
12/05/2011,09:30:53,0.001
12/05/2011,09:45:53,0.001
12/05/2011,10:00:53,0.000
12/05/2011,10:15:53,0.000
12/05/2011,10:30:53,0.000
12/05/2011,10:45:53,0.011
12/05/2011,11:00:53,0.005
12/05/2011,11:15:53,0.001
12/05/2011,11:30:53,0.000
12/05/2011,11:45:53,0.002

12/05/2011,12:00:53,0.001
12/05/2011,12:15:53,0.000
12/05/2011,12:30:53,0.000
12/05/2011,12:45:53,0.000
12/05/2011,13:00:53,0.001
12/05/2011,13:15:53,0.000
12/05/2011,13:30:53,0.000
12/05/2011,13:45:53,0.000
12/05/2011,14:00:53,0.000
12/05/2011,14:15:53,0.000
12/05/2011,14:30:53,0.000
12/05/2011,14:45:53,0.000
12/05/2011,15:00:53,0.000
12/05/2011,15:22:07,0.000

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114003
Test ID:,014
Test Abbreviation:,MANUAL_014
Start Date:,12/07/2011
Start Time:,07:39:23
Duration (dd:hh:mm:ss):,0:07:45:00
Log Interval (mm:ss):,15:00
Number of points:,31
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.008
,Minimum:,0.000
,Time of Minimum:,08:09:23
,Date of Minimum:,12/07/2011
,Maximum:,0.055
,Time of Maximum:,08:39:23
,Date of Maximum:,12/07/2011

Calibration,Sensor:,AEROSOL
,Cal. date,09/27/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
12/07/2011,07:54:23,0.001
12/07/2011,08:09:23,0.000
12/07/2011,08:24:23,0.000
12/07/2011,08:39:23,0.055
12/07/2011,08:54:23,0.005
12/07/2011,09:09:23,0.009
12/07/2011,09:24:23,0.011
12/07/2011,09:39:23,0.012
12/07/2011,09:54:23,0.006
12/07/2011,10:09:23,0.002
12/07/2011,10:24:23,0.002
12/07/2011,10:39:23,0.003
12/07/2011,10:54:23,0.008
12/07/2011,11:09:23,0.007
12/07/2011,11:24:23,0.007
12/07/2011,11:39:23,0.006
12/07/2011,11:54:23,0.006
12/07/2011,12:09:23,0.008
12/07/2011,12:24:23,0.012
12/07/2011,12:39:23,0.010
12/07/2011,12:54:23,0.009

12/07/2011,13:09:23,0.010
12/07/2011,13:24:23,0.008
12/07/2011,13:39:23,0.010
12/07/2011,13:54:23,0.006
12/07/2011,14:09:23,0.006
12/07/2011,14:24:23,0.006
12/07/2011,14:39:23,0.005
12/07/2011,14:54:23,0.006
12/07/2011,15:09:23,0.007
12/07/2011,15:24:23,0.006

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114003
Test ID:,015
Test Abbreviation:,MANUAL_015
Start Date:,12/08/2011
Start Time:,08:31:50
Duration (dd:hh:mm:ss):,0:07:05:00
Log Interval (mm:ss):,15:00
Number of points:,26
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.005
,Minimum:,0.000
,Time of Minimum:,15:37:13
,Date of Minimum:,12/08/2011
,Maximum:,0.010
,Time of Maximum:,08:46:50
,Date of Maximum:,12/08/2011

Calibration,Sensor:,AEROSOL
,Cal. date,09/27/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
12/08/2011,08:46:50,0.010
12/08/2011,09:01:50,0.006
12/08/2011,09:16:50,0.005
12/08/2011,09:31:50,0.009
12/08/2011,09:46:50,0.006
12/08/2011,10:01:50,0.008
12/08/2011,10:16:50,0.006
12/08/2011,10:31:50,0.006
12/08/2011,10:46:50,0.006
12/08/2011,11:01:50,0.007
12/08/2011,11:16:50,0.006
12/08/2011,11:31:50,0.005
12/08/2011,11:46:50,0.006
12/08/2011,12:01:50,0.004
12/08/2011,12:16:50,0.003
12/08/2011,12:31:50,0.002
12/08/2011,12:46:50,0.003
12/08/2011,13:01:50,0.002
12/08/2011,13:16:50,0.003
12/08/2011,13:31:50,0.002
12/08/2011,13:46:50,0.002
12/08/2011,14:01:50,0.004
12/08/2011,14:16:50,0.003
12/08/2011,14:31:50,0.002
12/08/2011,14:46:50,0.003

12/08/2011,15:37:13,0.000

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114003
Test ID:,016
Test Abbreviation:,MANUAL_016
Start Date:,12/09/2011
Start Time:,08:31:29
Duration (dd:hh:mm:ss):,0:06:45:00
Log Interval (mm:ss):,15:00
Number of points:,27
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.023
,Minimum:,0.000
,Time of Minimum:,15:11:04
,Date of Minimum:,12/09/2011
,Maximum:,0.051
,Time of Maximum:,14:16:29
,Date of Maximum:,12/09/2011

Calibration,Sensor:,AEROSOL
,Cal. date,09/27/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
12/09/2011,08:46:29,0.014
12/09/2011,09:01:29,0.008
12/09/2011,09:16:29,0.014
12/09/2011,09:31:29,0.015
12/09/2011,09:46:29,0.009
12/09/2011,10:01:29,0.016
12/09/2011,10:16:29,0.010
12/09/2011,10:31:29,0.014
12/09/2011,10:46:29,0.015
12/09/2011,11:01:29,0.029
12/09/2011,11:16:29,0.034
12/09/2011,11:31:29,0.027
12/09/2011,11:46:29,0.023
12/09/2011,12:01:29,0.027
12/09/2011,12:16:29,0.030
12/09/2011,12:31:29,0.033
12/09/2011,12:46:29,0.026
12/09/2011,13:01:29,0.033
12/09/2011,13:16:29,0.025
12/09/2011,13:31:29,0.025
12/09/2011,13:46:29,0.025
12/09/2011,14:01:29,0.031
12/09/2011,14:16:29,0.051
12/09/2011,14:31:29,0.026
12/09/2011,14:46:29,0.030
12/09/2011,15:11:04,0.000
12/09/2011,15:16:29,0.021

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Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114002
Test ID:,001
Test Abbreviation:,MANUAL_001
Start Date:,11/14/2011
Start Time:,08:11:20
Duration (dd:hh:mm:ss):,0:05:00:00
Log Interval (mm:ss):,15:00
Number of points:,20
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.022
,Minimum:,0.014
,Time of Minimum:,09:41:20
,Date of Minimum:,11/14/2011
,Maximum:,0.030
,Time of Maximum:,12:11:20
,Date of Maximum:,11/14/2011

Calibration,Sensor:,AEROSOL
,Cal. date,09/27/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
11/14/2011,08:26:20,0.018
11/14/2011,08:41:20,0.016
11/14/2011,08:56:20,0.020
11/14/2011,09:11:20,0.017
11/14/2011,09:26:20,0.017
11/14/2011,09:41:20,0.014
11/14/2011,09:56:20,0.021
11/14/2011,10:11:20,0.024
11/14/2011,10:26:20,0.023
11/14/2011,10:41:20,0.024
11/14/2011,10:56:20,0.026
11/14/2011,11:11:20,0.029
11/14/2011,11:26:20,0.028
11/14/2011,11:41:20,0.025
11/14/2011,11:56:20,0.028
11/14/2011,12:11:20,0.030
11/14/2011,12:26:20,0.021
11/14/2011,12:41:20,0.017
11/14/2011,12:56:20,0.020
11/14/2011,13:11:20,0.025

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114002
Test ID:,002
Test Abbreviation:,MANUAL_002
Start Date:,11/14/2011
Start Time:,13:17:35
Duration (dd:hh:mm:ss):,0:04:45:00
Log Interval (mm:ss):,15:00
Number of points:,8
Notes:,

Statistics,Channel:,AEROSOL

,Units:,mg/m^3
,Average:,0.017
,Minimum:,0.000
,Time of Minimum:,18:03:04
,Date of Minimum:,11/14/2011
,Maximum:,0.029
,Time of Maximum:,13:47:35
,Date of Maximum:,11/14/2011

Calibration,Sensor:,AEROSOL
,Cal. date,09/27/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
11/14/2011,13:32:35,0.021
11/14/2011,13:47:35,0.029
11/14/2011,14:02:35,0.020
11/14/2011,14:17:35,0.018
11/14/2011,14:32:35,0.016
11/14/2011,14:47:35,0.016
11/14/2011,15:02:35,0.016
11/14/2011,18:03:04,0.000

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114002
Test ID:,003
Test Abbreviation:,MANUAL_003
Start Date:,11/15/2011
Start Time:,08:06:52
Duration (dd:hh:mm:ss):,0:07:15:00
Log Interval (mm:ss):,15:00
Number of points:,29
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.029
,Minimum:,0.014
,Time of Minimum:,14:21:52
,Date of Minimum:,11/15/2011
,Maximum:,0.053
,Time of Maximum:,08:36:52
,Date of Maximum:,11/15/2011

Calibration,Sensor:,AEROSOL
,Cal. date,09/27/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
11/15/2011,08:21:52,0.052
11/15/2011,08:36:52,0.053
11/15/2011,08:51:52,0.048
11/15/2011,09:06:52,0.046
11/15/2011,09:21:52,0.046
11/15/2011,09:36:52,0.041
11/15/2011,09:51:52,0.036
11/15/2011,10:06:52,0.036
11/15/2011,10:21:52,0.030
11/15/2011,10:36:52,0.030
11/15/2011,10:51:52,0.036
11/15/2011,11:06:52,0.028
11/15/2011,11:21:52,0.033

11/15/2011,11:36:52,0.025
11/15/2011,11:51:52,0.021
11/15/2011,12:06:52,0.020
11/15/2011,12:21:52,0.019
11/15/2011,12:36:52,0.020
11/15/2011,12:51:52,0.023
11/15/2011,13:06:52,0.027
11/15/2011,13:21:52,0.026
11/15/2011,13:36:52,0.022
11/15/2011,13:51:52,0.024
11/15/2011,14:06:52,0.019
11/15/2011,14:21:52,0.014
11/15/2011,14:36:52,0.021
11/15/2011,14:51:52,0.020
11/15/2011,15:06:52,0.018
11/15/2011,15:21:52,0.016

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114002
Test ID:,004
Test Abbreviation:,MANUAL_004
Start Date:,11/16/2011
Start Time:,08:56:07
Duration (dd:hh:mm:ss):,0:06:30:00
Log Interval (mm:ss):,15:00
Number of points:,26
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.045
,Minimum:,0.035
,Time of Minimum:,10:26:07
,Date of Minimum:,11/16/2011
,Maximum:,0.077
,Time of Maximum:,11:11:07
,Date of Maximum:,11/16/2011

Calibration,Sensor:,AEROSOL
,Cal. date,09/27/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
11/16/2011,09:11:07,0.036
11/16/2011,09:26:07,0.036
11/16/2011,09:41:07,0.036
11/16/2011,09:56:07,0.036
11/16/2011,10:11:07,0.036
11/16/2011,10:26:07,0.035
11/16/2011,10:41:07,0.039
11/16/2011,10:56:07,0.042
11/16/2011,11:11:07,0.077
11/16/2011,11:26:07,0.070
11/16/2011,11:41:07,0.044
11/16/2011,11:56:07,0.043
11/16/2011,12:11:07,0.044
11/16/2011,12:26:07,0.042
11/16/2011,12:41:07,0.040
11/16/2011,12:56:07,0.041
11/16/2011,13:11:07,0.042
11/16/2011,13:26:07,0.045
11/16/2011,13:41:07,0.048

11/16/2011,13:56:07,0.050
11/16/2011,14:11:07,0.052
11/16/2011,14:26:07,0.042
11/16/2011,14:41:07,0.043
11/16/2011,14:56:07,0.045
11/16/2011,15:11:07,0.048
11/16/2011,15:26:07,0.052

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114002
Test ID:,004
Test Abbreviation:,MANUAL_004_A
Start Date:,11/16/2011
Start Time:,11:18:07
Duration (dd:hh:mm:ss):,0:00:15:00
Log Interval (mm:ss):,01:00
Number of points:,15
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.068
,Minimum:,0.044
,Time of Minimum:,11:31:07
,Date of Minimum:,11/16/2011
,Maximum:,0.268
,Time of Maximum:,11:19:07
,Date of Maximum:,11/16/2011

Calibration,Sensor:,AEROSOL
,Cal. date,09/27/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
11/16/2011,11:19:07,0.268
11/16/2011,11:20:07,0.101
11/16/2011,11:21:07,0.059
11/16/2011,11:22:07,0.051
11/16/2011,11:23:07,0.051
11/16/2011,11:24:07,0.049
11/16/2011,11:25:07,0.055
11/16/2011,11:26:07,0.054
11/16/2011,11:27:07,0.052
11/16/2011,11:28:07,0.050
11/16/2011,11:29:07,0.047
11/16/2011,11:30:07,0.046
11/16/2011,11:31:07,0.044
11/16/2011,11:32:07,0.044
11/16/2011,11:33:07,0.045

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114002
Test ID:,005
Test Abbreviation:,MANUAL_005
Start Date:,11/17/2011
Start Time:,08:36:44
Duration (dd:hh:mm:ss):,0:06:45:00
Log Interval (mm:ss):,15:00
Number of points:,27
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.023
,Minimum:,0.019
,Time of Minimum:,12:36:44
,Date of Minimum:,11/17/2011
,Maximum:,0.029
,Time of Maximum:,09:21:44
,Date of Maximum:,11/17/2011

Calibration,Sensor:,AEROSOL
,Cal. date,09/27/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
11/17/2011,08:51:44,0.026
11/17/2011,09:06:44,0.028
11/17/2011,09:21:44,0.029
11/17/2011,09:36:44,0.027
11/17/2011,09:51:44,0.026
11/17/2011,10:06:44,0.027
11/17/2011,10:21:44,0.027
11/17/2011,10:36:44,0.023
11/17/2011,10:51:44,0.024
11/17/2011,11:06:44,0.023
11/17/2011,11:21:44,0.024
11/17/2011,11:36:44,0.028
11/17/2011,11:51:44,0.022
11/17/2011,12:06:44,0.021
11/17/2011,12:21:44,0.020
11/17/2011,12:36:44,0.019
11/17/2011,12:51:44,0.019
11/17/2011,13:06:44,0.019
11/17/2011,13:21:44,0.020
11/17/2011,13:36:44,0.020
11/17/2011,13:51:44,0.022
11/17/2011,14:06:44,0.024
11/17/2011,14:21:44,0.022
11/17/2011,14:36:44,0.023
11/17/2011,14:51:44,0.025
11/17/2011,15:06:44,0.021
11/17/2011,15:21:44,0.021

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114002
Test ID:,006
Test Abbreviation:,MANUAL_006
Start Date:,11/18/2011
Start Time:,08:21:26
Duration (dd:hh:mm:ss):,0:03:30:00
Log Interval (mm:ss):,15:00
Number of points:,14
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.029
,Minimum:,0.027
,Time of Minimum:,10:06:26
,Date of Minimum:,11/18/2011
,Maximum:,0.032
,Time of Maximum:,09:06:26

,Date of Maximum:,11/18/2011

Calibration,Sensor:,AEROSOL
,Cal. date,09/27/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
11/18/2011,08:36:26,0.029
11/18/2011,08:51:26,0.031
11/18/2011,09:06:26,0.032
11/18/2011,09:21:26,0.031
11/18/2011,09:36:26,0.028
11/18/2011,09:51:26,0.028
11/18/2011,10:06:26,0.027
11/18/2011,10:21:26,0.028
11/18/2011,10:36:26,0.029
11/18/2011,10:51:26,0.029
11/18/2011,11:06:26,0.029
11/18/2011,11:21:26,0.028
11/18/2011,11:36:26,0.029
11/18/2011,11:51:26,0.028

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114002
Test ID:,007
Test Abbreviation:,MANUAL_007
Start Date:,11/23/2011
Start Time:,08:04:41
Duration (dd:hh:mm:ss):,0:05:45:00
Log Interval (mm:ss):,15:00
Number of points:,23
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.022
,Minimum:,0.016
,Time of Minimum:,08:19:41
,Date of Minimum:,11/23/2011
,Maximum:,0.029
,Time of Maximum:,10:34:41
,Date of Maximum:,11/23/2011

Calibration,Sensor:,AEROSOL
,Cal. date,09/27/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
11/23/2011,08:19:41,0.016
11/23/2011,08:34:41,0.016
11/23/2011,08:49:41,0.018
11/23/2011,09:04:41,0.017
11/23/2011,09:19:41,0.018
11/23/2011,09:34:41,0.020
11/23/2011,09:49:41,0.023
11/23/2011,10:04:41,0.028
11/23/2011,10:19:41,0.028
11/23/2011,10:34:41,0.029
11/23/2011,10:49:41,0.024
11/23/2011,11:04:41,0.023
11/23/2011,11:19:41,0.021
11/23/2011,11:34:41,0.022

11/23/2011,11:49:41,0.023
11/23/2011,12:04:41,0.022
11/23/2011,12:19:41,0.022
11/23/2011,12:34:41,0.020
11/23/2011,12:49:41,0.021
11/23/2011,13:04:41,0.021
11/23/2011,13:19:41,0.024
11/23/2011,13:34:41,0.022
11/23/2011,13:49:41,0.023

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114002
Test ID:,008
Test Abbreviation:,MANUAL_008
Start Date:,11/28/2011
Start Time:,08:14:54
Duration (dd:hh:mm:ss):,0:06:30:00
Log Interval (mm:ss):,15:00
Number of points:,26
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.024
,Minimum:,0.011
,Time of Minimum:,10:44:54
,Date of Minimum:,11/28/2011
,Maximum:,0.057
,Time of Maximum:,10:14:54
,Date of Maximum:,11/28/2011

Calibration,Sensor:,AEROSOL
,Cal. date,09/27/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
11/28/2011,08:29:54,0.017
11/28/2011,08:44:54,0.027
11/28/2011,08:59:54,0.038
11/28/2011,09:14:54,0.019
11/28/2011,09:29:54,0.034
11/28/2011,09:44:54,0.022
11/28/2011,09:59:54,0.044
11/28/2011,10:14:54,0.057
11/28/2011,10:29:54,0.028
11/28/2011,10:44:54,0.011
11/28/2011,10:59:54,0.011
11/28/2011,11:14:54,0.026
11/28/2011,11:29:54,0.018
11/28/2011,11:44:54,0.022
11/28/2011,11:59:54,0.016
11/28/2011,12:14:54,0.012
11/28/2011,12:29:54,0.014
11/28/2011,12:44:54,0.014
11/28/2011,12:59:54,0.024
11/28/2011,13:14:54,0.024
11/28/2011,13:29:54,0.028
11/28/2011,13:44:54,0.019
11/28/2011,13:59:54,0.028
11/28/2011,14:14:54,0.027
11/28/2011,14:29:54,0.021
11/28/2011,14:44:54,0.017

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114002
Test ID:,009
Test Abbreviation:,MANUAL_009
Start Date:,11/29/2011
Start Time:,08:40:58
Duration (dd:hh:mm:ss):,0:06:15:00
Log Interval (mm:ss):,15:00
Number of points:,25
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.045
,Minimum:,0.034
,Time of Minimum:,12:40:58
,Date of Minimum:,11/29/2011
,Maximum:,0.079
,Time of Maximum:,10:55:58
,Date of Maximum:,11/29/2011

Calibration,Sensor:,AEROSOL
,Cal. date,09/27/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
11/29/2011,08:55:58,0.047
11/29/2011,09:10:58,0.046
11/29/2011,09:25:58,0.051
11/29/2011,09:40:58,0.046
11/29/2011,09:55:58,0.046
11/29/2011,10:10:58,0.044
11/29/2011,10:25:58,0.050
11/29/2011,10:40:58,0.052
11/29/2011,10:55:58,0.079
11/29/2011,11:10:58,0.051
11/29/2011,11:25:58,0.051
11/29/2011,11:40:58,0.059
11/29/2011,11:55:58,0.050
11/29/2011,12:10:58,0.050
11/29/2011,12:25:58,0.041
11/29/2011,12:40:58,0.034
11/29/2011,12:55:58,0.039
11/29/2011,13:10:58,0.036
11/29/2011,13:25:58,0.038
11/29/2011,13:40:58,0.036
11/29/2011,13:55:58,0.038
11/29/2011,14:10:58,0.036
11/29/2011,14:25:58,0.034
11/29/2011,14:40:58,0.036
11/29/2011,14:55:58,0.047

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114002
Test ID:,010
Test Abbreviation:,MANUAL_010
Start Date:,12/05/2011
Start Time:,08:48:42
Duration (dd:hh:mm:ss):,0:06:36:00
Log Interval (mm:ss):,15:00

Number of points:,26
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.051
,Minimum:,0.000
,Time of Minimum:,15:24:49
,Date of Minimum:,12/05/2011
,Maximum:,0.067
,Time of Maximum:,09:03:42
,Date of Maximum:,12/05/2011

Calibration,Sensor:,AEROSOL
,Cal. date,09/27/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
12/05/2011,09:03:42,0.067
12/05/2011,09:18:42,0.057
12/05/2011,09:33:42,0.052
12/05/2011,09:48:42,0.051
12/05/2011,10:03:42,0.052
12/05/2011,10:18:42,0.052
12/05/2011,10:33:42,0.053
12/05/2011,10:48:42,0.055
12/05/2011,11:03:42,0.055
12/05/2011,11:18:42,0.053
12/05/2011,11:33:42,0.052
12/05/2011,11:48:42,0.053
12/05/2011,12:03:42,0.052
12/05/2011,12:18:42,0.053
12/05/2011,12:33:42,0.053
12/05/2011,12:48:42,0.051
12/05/2011,13:03:42,0.053
12/05/2011,13:18:42,0.052
12/05/2011,13:33:42,0.052
12/05/2011,13:48:42,0.053
12/05/2011,14:03:42,0.049
12/05/2011,14:18:42,0.048
12/05/2011,14:33:42,0.052
12/05/2011,14:48:42,0.054
12/05/2011,15:03:42,0.049
12/05/2011,15:24:49,0.000

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114002
Test ID:,011
Test Abbreviation:,MANUAL_011
Start Date:,12/07/2011
Start Time:,07:45:29
Duration (dd:hh:mm:ss):,0:07:45:00
Log Interval (mm:ss):,15:00
Number of points:,31
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.030
,Minimum:,0.012
,Time of Minimum:,08:00:29
,Date of Minimum:,12/07/2011

,Maximum:,0.060
,Time of Maximum:,12:00:29
,Date of Maximum:,12/07/2011

Calibration,Sensor:,AEROSOL
,Cal. date,09/27/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
12/07/2011,08:00:29,0.012
12/07/2011,08:15:29,0.013
12/07/2011,08:30:29,0.016
12/07/2011,08:45:29,0.018
12/07/2011,09:00:29,0.026
12/07/2011,09:15:29,0.039
12/07/2011,09:30:29,0.041
12/07/2011,09:45:29,0.031
12/07/2011,10:00:29,0.019
12/07/2011,10:15:29,0.016
12/07/2011,10:30:29,0.018
12/07/2011,10:45:29,0.019
12/07/2011,11:00:29,0.028
12/07/2011,11:15:29,0.030
12/07/2011,11:30:29,0.043
12/07/2011,11:45:29,0.032
12/07/2011,12:00:29,0.060
12/07/2011,12:15:29,0.040
12/07/2011,12:30:29,0.044
12/07/2011,12:45:29,0.043
12/07/2011,13:00:29,0.050
12/07/2011,13:15:29,0.035
12/07/2011,13:30:29,0.041
12/07/2011,13:45:29,0.031
12/07/2011,14:00:29,0.026
12/07/2011,14:15:29,0.024
12/07/2011,14:30:29,0.023
12/07/2011,14:45:29,0.023
12/07/2011,15:00:29,0.024
12/07/2011,15:15:29,0.025
12/07/2011,15:30:29,0.029

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114002
Test ID:,011
Test Abbreviation:,MANUAL_011_A
Start Date:,12/07/2011
Start Time:,11:18:10
Duration (dd:hh:mm:ss):,0:00:15:00
Log Interval (mm:ss):,01:00
Number of points:,15
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.040
,Minimum:,0.024
,Time of Minimum:,11:30:10
,Date of Minimum:,12/07/2011
,Maximum:,0.110
,Time of Maximum:,11:19:10
,Date of Maximum:,12/07/2011

Calibration,Sensor:,AEROSOL
,Cal. date,09/27/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
12/07/2011,11:19:10,0.110
12/07/2011,11:20:10,0.098
12/07/2011,11:21:10,0.047
12/07/2011,11:22:10,0.029
12/07/2011,11:23:10,0.029
12/07/2011,11:24:10,0.034
12/07/2011,11:25:10,0.037
12/07/2011,11:26:10,0.027
12/07/2011,11:27:10,0.032
12/07/2011,11:28:10,0.028
12/07/2011,11:29:10,0.026
12/07/2011,11:30:10,0.024
12/07/2011,11:31:10,0.024
12/07/2011,11:32:10,0.025
12/07/2011,11:33:10,0.026

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114002
Test ID:,011
Test Abbreviation:,MANUAL_011_B
Start Date:,12/07/2011
Start Time:,11:47:49
Duration (dd:hh:mm:ss):,0:00:15:00
Log Interval (mm:ss):,01:00
Number of points:,15
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.058
,Minimum:,0.031
,Time of Minimum:,11:59:49
,Date of Minimum:,12/07/2011
,Maximum:,0.174
,Time of Maximum:,11:48:49
,Date of Maximum:,12/07/2011

Calibration,Sensor:,AEROSOL
,Cal. date,09/27/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
12/07/2011,11:48:49,0.174
12/07/2011,11:49:49,0.063
12/07/2011,11:50:49,0.064
12/07/2011,11:51:49,0.049
12/07/2011,11:52:49,0.065
12/07/2011,11:53:49,0.048
12/07/2011,11:54:49,0.088
12/07/2011,11:55:49,0.072
12/07/2011,11:56:49,0.038
12/07/2011,11:57:49,0.050
12/07/2011,11:58:49,0.032
12/07/2011,11:59:49,0.031
12/07/2011,12:00:49,0.032
12/07/2011,12:01:49,0.032
12/07/2011,12:02:49,0.033

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114002
Test ID:,012
Test Abbreviation:,MANUAL_012
Start Date:,12/08/2011
Start Time:,08:25:54
Duration (dd:hh:mm:ss):,0:07:23:00
Log Interval (mm:ss):,15:00
Number of points:,27
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.027
,Minimum:,0.000
,Time of Minimum:,15:48:55
,Date of Minimum:,12/08/2011
,Maximum:,0.058
,Time of Maximum:,14:10:54
,Date of Maximum:,12/08/2011

Calibration,Sensor:,AEROSOL
,Cal. date,09/27/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
12/08/2011,08:40:54,0.036
12/08/2011,08:55:54,0.031
12/08/2011,09:10:54,0.030
12/08/2011,09:25:54,0.032
12/08/2011,09:40:54,0.038
12/08/2011,09:55:54,0.031
12/08/2011,10:10:54,0.041
12/08/2011,10:25:54,0.033
12/08/2011,10:40:54,0.029
12/08/2011,10:55:54,0.035
12/08/2011,11:10:54,0.033
12/08/2011,11:25:54,0.030
12/08/2011,11:40:54,0.028
12/08/2011,11:55:54,0.022
12/08/2011,12:10:54,0.020
12/08/2011,12:25:54,0.019
12/08/2011,12:40:54,0.021
12/08/2011,12:55:54,0.016
12/08/2011,13:10:54,0.017
12/08/2011,13:25:54,0.016
12/08/2011,13:40:54,0.016
12/08/2011,13:55:54,0.029
12/08/2011,14:10:54,0.058
12/08/2011,14:25:54,0.026
12/08/2011,14:40:54,0.028
12/08/2011,14:55:54,0.021
12/08/2011,15:48:55,0.000

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114002
Test ID:,013
Test Abbreviation:,MANUAL_013
Start Date:,12/09/2011
Start Time:,08:34:13

Duration (dd:hh:mm:ss):,0:06:47:00
Number of points:,1
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.000
,Minimum:,0.000
,Time of Minimum:,15:21:22
,Date of Minimum:,12/09/2011
,Maximum:,0.000
,Time of Maximum:,15:21:22
,Date of Maximum:,12/09/2011

Calibration,Sensor:,AEROSOL
,Cal. date,09/27/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
12/09/2011,15:21:22,0.000

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114002
Test ID:,014
Test Abbreviation:,MANUAL_014
Start Date:,12/13/2011
Start Time:,06:43:56
Duration (dd:hh:mm:ss):,1:08:51:00
Log Interval (mm:ss):,15:00
Number of points:,53
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.080
,Minimum:,0.000
,Time of Minimum:,18:18:26
,Date of Minimum:,12/13/2011
,Maximum:,0.152
,Time of Maximum:,10:13:56
,Date of Maximum:,12/14/2011

Calibration,Sensor:,AEROSOL
,Cal. date,09/27/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
12/13/2011,06:58:56,0.048
12/13/2011,07:13:56,0.053
12/13/2011,07:28:56,0.054
12/13/2011,07:43:56,0.057
12/13/2011,07:58:56,0.059
12/13/2011,08:13:56,0.058
12/13/2011,08:28:56,0.059
12/13/2011,08:43:56,0.064
12/13/2011,08:58:56,0.068
12/13/2011,09:13:56,0.069
12/13/2011,09:28:56,0.085
12/13/2011,09:43:56,0.070
12/13/2011,09:58:56,0.072
12/13/2011,10:13:56,0.073
12/13/2011,10:28:56,0.074

12/13/2011,10:43:56,0.077
12/13/2011,18:18:26,0.000
12/14/2011,06:43:29,0.000
12/14/2011,06:43:56,0.071
12/14/2011,06:58:56,0.083
12/14/2011,07:13:56,0.082
12/14/2011,07:28:56,0.096
12/14/2011,07:43:56,0.097
12/14/2011,07:58:56,0.099
12/14/2011,08:13:56,0.095
12/14/2011,08:28:56,0.089
12/14/2011,08:43:56,0.084
12/14/2011,08:58:56,0.082
12/14/2011,09:13:56,0.093
12/14/2011,09:28:56,0.080
12/14/2011,09:43:56,0.079
12/14/2011,09:58:56,0.089
12/14/2011,10:13:56,0.152
12/14/2011,10:28:56,0.098
12/14/2011,10:43:56,0.090
12/14/2011,10:58:56,0.084
12/14/2011,11:13:56,0.095
12/14/2011,11:28:56,0.109
12/14/2011,11:43:56,0.098
12/14/2011,11:58:56,0.102
12/14/2011,12:13:56,0.101
12/14/2011,12:28:56,0.100
12/14/2011,12:43:56,0.105
12/14/2011,12:58:56,0.105
12/14/2011,13:13:56,0.104
12/14/2011,13:28:56,0.108
12/14/2011,13:43:56,0.094
12/14/2011,13:58:56,0.087
12/14/2011,14:13:56,0.084
12/14/2011,14:28:56,0.083
12/14/2011,14:43:56,0.091
12/14/2011,14:58:56,0.082
12/14/2011,15:35:55,0.000

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114002
Test ID:,014
Test Abbreviation:,MANUAL_014_A
Start Date:,12/13/2011
Start Time:,09:21:11
Duration (dd:hh:mm:ss):,0:00:15:00
Log Interval (mm:ss):,01:00
Number of points:,15
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.085
,Minimum:,0.070
,Time of Minimum:,09:31:11
,Date of Minimum:,12/13/2011
,Maximum:,0.215
,Time of Maximum:,09:23:11
,Date of Maximum:,12/13/2011

Calibration,Sensor:,AEROSOL
,Cal. date,09/27/2011

```
Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
12/13/2011,09:22:11,0.107
12/13/2011,09:23:11,0.215
12/13/2011,09:24:11,0.091
12/13/2011,09:25:11,0.075
12/13/2011,09:26:11,0.071
12/13/2011,09:27:11,0.071
12/13/2011,09:28:11,0.074
12/13/2011,09:29:11,0.074
12/13/2011,09:30:11,0.071
12/13/2011,09:31:11,0.070
12/13/2011,09:32:11,0.070
12/13/2011,09:33:11,0.070
12/13/2011,09:34:11,0.070
12/13/2011,09:35:11,0.070
12/13/2011,09:36:11,0.070

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114002
Test ID:,014
Test Abbreviation:,MANUAL_014_B
Start Date:,12/14/2011
Start Time:,08:23:30
Duration (dd:hh:mm:ss):,0:00:15:00
Log Interval (mm:ss):,01:00
Number of points:,15
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.087
,Minimum:,0.082
,Time of Minimum:,08:38:30
,Date of Minimum:,12/14/2011
,Maximum:,0.098
,Time of Maximum:,08:24:30
,Date of Maximum:,12/14/2011

Calibration,Sensor:,AEROSOL
,Cal. date,09/27/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
12/14/2011,08:24:30,0.098
12/14/2011,08:25:30,0.087
12/14/2011,08:26:30,0.085
12/14/2011,08:27:30,0.083
12/14/2011,08:28:30,0.083
12/14/2011,08:29:30,0.084
12/14/2011,08:30:30,0.083
12/14/2011,08:31:30,0.087
12/14/2011,08:32:30,0.088
12/14/2011,08:33:30,0.091
12/14/2011,08:34:30,0.089
12/14/2011,08:35:30,0.086
12/14/2011,08:36:30,0.086
12/14/2011,08:37:30,0.084
12/14/2011,08:38:30,0.082

Model:,DustTrak II
```

Model Number:,8530
Serial Number:,8530114002
Test ID:,014
Test Abbreviation:,MANUAL_014_C
Start Date:,12/14/2011
Start Time:,09:01:49
Duration (dd:hh:mm:ss):,0:00:15:00
Log Interval (mm:ss):,01:00
Number of points:,15
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.092
,Minimum:,0.080
,Time of Minimum:,09:04:49
,Date of Minimum:,12/14/2011
,Maximum:,0.116
,Time of Maximum:,09:02:49
,Date of Maximum:,12/14/2011

Calibration,Sensor:,AEROSOL
,Cal. date,09/27/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
12/14/2011,09:02:49,0.116
12/14/2011,09:03:49,0.081
12/14/2011,09:04:49,0.080
12/14/2011,09:05:49,0.090
12/14/2011,09:06:49,0.100
12/14/2011,09:07:49,0.113
12/14/2011,09:08:49,0.094
12/14/2011,09:09:49,0.094
12/14/2011,09:10:49,0.088
12/14/2011,09:11:49,0.094
12/14/2011,09:12:49,0.093
12/14/2011,09:13:49,0.086
12/14/2011,09:14:49,0.083
12/14/2011,09:15:49,0.083
12/14/2011,09:16:49,0.083

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114002
Test ID:,014
Test Abbreviation:,MANUAL_014_D
Start Date:,12/14/2011
Start Time:,09:55:49
Duration (dd:hh:mm:ss):,0:00:15:00
Log Interval (mm:ss):,01:00
Number of points:,15
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.153
,Minimum:,0.084
,Time of Minimum:,10:00:49
,Date of Minimum:,12/14/2011
,Maximum:,0.663
,Time of Maximum:,10:09:49
,Date of Maximum:,12/14/2011

Calibration,Sensor:,AEROSOL
,Cal. date,09/27/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
12/14/2011,09:56:49,0.095
12/14/2011,09:57:49,0.135
12/14/2011,09:58:49,0.106
12/14/2011,09:59:49,0.095
12/14/2011,10:00:49,0.084
12/14/2011,10:01:49,0.084
12/14/2011,10:02:49,0.084
12/14/2011,10:03:49,0.229
12/14/2011,10:04:49,0.119
12/14/2011,10:05:49,0.090
12/14/2011,10:06:49,0.089
12/14/2011,10:07:49,0.117
12/14/2011,10:08:49,0.101
12/14/2011,10:09:49,0.663
12/14/2011,10:10:49,0.209

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114002
Test ID:,014
Test Abbreviation:,MANUAL_014_E
Start Date:,12/14/2011
Start Time:,10:16:31
Duration (dd:hh:mm:ss):,0:00:15:00
Log Interval (mm:ss):,01:00
Number of points:,15
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.096
,Minimum:,0.082
,Time of Minimum:,10:30:31
,Date of Minimum:,12/14/2011
,Maximum:,0.171
,Time of Maximum:,10:17:31
,Date of Maximum:,12/14/2011

Calibration,Sensor:,AEROSOL
,Cal. date,09/27/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
12/14/2011,10:17:31,0.171
12/14/2011,10:18:31,0.098
12/14/2011,10:19:31,0.084
12/14/2011,10:20:31,0.094
12/14/2011,10:21:31,0.126
12/14/2011,10:22:31,0.096
12/14/2011,10:23:31,0.090
12/14/2011,10:24:31,0.091
12/14/2011,10:25:31,0.089
12/14/2011,10:26:31,0.085
12/14/2011,10:27:31,0.083
12/14/2011,10:28:31,0.087
12/14/2011,10:29:31,0.084
12/14/2011,10:30:31,0.082

12/14/2011,10:31:31,0.085

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114002
Test ID:,015
Test Abbreviation:,MANUAL_015
Start Date:,12/15/2011
Start Time:,06:45:40
Duration (dd:hh:mm:ss):,0:09:00:00
Log Interval (mm:ss):,15:00
Number of points:,34
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.027
,Minimum:,0.000
,Time of Minimum:,15:45:43
,Date of Minimum:,12/15/2011
,Maximum:,0.054
,Time of Maximum:,12:30:40
,Date of Maximum:,12/15/2011

Calibration,Sensor:,AEROSOL
,Cal. date,09/27/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
12/15/2011,07:00:40,0.041
12/15/2011,07:15:40,0.034
12/15/2011,07:30:40,0.028
12/15/2011,07:45:40,0.034
12/15/2011,08:00:40,0.032
12/15/2011,08:15:40,0.028
12/15/2011,08:30:40,0.026
12/15/2011,08:45:40,0.025
12/15/2011,09:00:40,0.025
12/15/2011,09:15:40,0.028
12/15/2011,09:30:40,0.029
12/15/2011,09:45:40,0.028
12/15/2011,10:00:40,0.028
12/15/2011,10:15:40,0.027
12/15/2011,10:30:40,0.026
12/15/2011,10:45:40,0.031
12/15/2011,11:00:40,0.027
12/15/2011,11:15:40,0.030
12/15/2011,11:30:40,0.027
12/15/2011,11:45:40,0.034
12/15/2011,12:00:40,0.024
12/15/2011,12:15:40,0.021
12/15/2011,12:30:40,0.054
12/15/2011,12:45:40,0.026
12/15/2011,13:00:40,0.029
12/15/2011,13:15:40,0.019
12/15/2011,13:30:40,0.024
12/15/2011,13:45:40,0.018
12/15/2011,14:00:40,0.023
12/15/2011,14:15:40,0.023
12/15/2011,14:30:40,0.022
12/15/2011,14:45:40,0.027
12/15/2011,15:00:40,0.021
12/15/2011,15:45:43,0.000

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114002
Test ID:,015
Test Abbreviation:,MANUAL_015_A
Start Date:,12/15/2011
Start Time:,12:24:07
Duration (dd:hh:mm:ss):,0:00:15:00
Log Interval (mm:ss):,01:00
Number of points:,15
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.056
,Minimum:,0.019
,Time of Minimum:,12:38:07
,Date of Minimum:,12/15/2011
,Maximum:,0.460
,Time of Maximum:,12:25:07
,Date of Maximum:,12/15/2011

Calibration,Sensor:,AEROSOL
,Cal. date,09/27/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
12/15/2011,12:25:07,0.460
12/15/2011,12:26:07,0.031
12/15/2011,12:27:07,0.023
12/15/2011,12:28:07,0.032
12/15/2011,12:29:07,0.042
12/15/2011,12:30:07,0.020
12/15/2011,12:31:07,0.021
12/15/2011,12:32:07,0.034
12/15/2011,12:33:07,0.032
12/15/2011,12:34:07,0.033
12/15/2011,12:35:07,0.020
12/15/2011,12:36:07,0.023
12/15/2011,12:37:07,0.020
12/15/2011,12:38:07,0.019
12/15/2011,12:39:07,0.026

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530114002
Test ID:,015
Test Abbreviation:,MANUAL_015_B
Start Date:,12/15/2011
Start Time:,13:53:08
Duration (dd:hh:mm:ss):,0:00:15:00
Log Interval (mm:ss):,01:00
Number of points:,15
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.030
,Minimum:,0.015
,Time of Minimum:,14:00:08
,Date of Minimum:,12/15/2011
,Maximum:,0.085

,Time of Maximum:,13:54:08
,Date of Maximum:,12/15/2011

Calibration,Sensor:,AEROSOL
,Cal. date,09/27/2011

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
12/15/2011,13:54:08,0.085
12/15/2011,13:55:08,0.036
12/15/2011,13:56:08,0.025
12/15/2011,13:57:08,0.021
12/15/2011,13:58:08,0.027
12/15/2011,13:59:08,0.020
12/15/2011,14:00:08,0.015
12/15/2011,14:01:08,0.017
12/15/2011,14:02:08,0.029
12/15/2011,14:03:08,0.031
12/15/2011,14:04:08,0.029
12/15/2011,14:05:08,0.033
12/15/2011,14:06:08,0.021
12/15/2011,14:07:08,0.029
12/15/2011,14:08:08,0.033

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Appendix B

Laboratory Reports and DUSRs

Data Usability Summary Report (DUSR)

690 St. Paul St
Labella Project #208492

Spectrum Analytical, Inc., Warwick, RI
Sample Delivery Group #K2428
March 11, 2012

Prepared by:

Ethan Lee
LaBella Associates, P.C.
300 State St
Rochester, NY 14614

Analytical results for the project samples were reviewed to evaluate the data usability. Data was assessed in accordance with guidance from the following Federal and/or State guidance documents:

- USEPA National Functional Guidelines for Organic Data Review (EPA 540/R-99/008) and/or USEPA National Functional Guidelines for Low Concentration Organic Data Review (EPA 540-R-04-004).
- USEPA National Functional Guidelines for Inorganic Data Review (EPA 540/R-04-004).

And method protocol criteria were applicable as prescribed by "Test Methods for Evaluating Solid Waste", SW846, Update III, 1996.

This DUSR pertains to the following samples:

Sample ID	Lab ID	Matrix	Sample Date	Analysis Performed				
				VOC[1]	SVOC[2]	Pest.[3]	PCB[4]	Metals[5]/ Mercury[6]
WEATHERED RX PIECES	K2428-01A	SOIL	11/16/11	X				
CLASS 1 PILE-DRY	K2428-02A	SOIL	11/16/11	X	X	X	X	X
CLASS 1 PILE-WET	K2428-03A	SOIL	11/16/11	X	X	X	X	X
CLASS 1 PILE DRY-2	K2428-04A	SOIL	11/16/11	X				
AOC1-CS-1	K2428-05A	SOIL	11/16/11	X	X	X	X	
AOC1-CS-2	K2428-06A	SOIL	11/16/11	X	X	X	X	
AOC1-CS-3	K2428-07A	SOIL	11/16/11	X	X	X	X	
WCS-111611-1	K2428-08A	SOIL	11/16/11	X		X	X	
WEATHERED RX PIECES	K2428-01B	TCLP	11/16/11	X				
WCS-111611-1	K2428-08C	TCLP	11/16/11	X				

(1) VOC analyses were performed using USEPA Method SW846 8260B.
(2) SVOC analyses were performed using USEPA Method SW846 8270C.
(3) Pesticide analyses were performed using USEPA Method SW846 8081B.
(4) PCB analyses were performed using USEPA Method SW846 8082A.
(5) TAL Metals analyses were performed using USEPA Method SW846 6010B.
(6) Soil Mercury analyses were performed using USEPA Method SW846 7471B. Aqueous Mercury analyses were performed using USEPA Method SW846 7470A.

The following items/criteria applicable to the analysis of project samples and associated QA/QC procedures were reviewed:

- Sample Data Reporting Format
- Preservation and Holding Time Compliance
- GC/MS Instrument Performance Check
- Initial Calibration Verification (ICV)

- Continuing Calibration Verification (CCV)
- Blank Sample Analysis
- System Monitoring/Surrogate Compound Recoveries
- Laboratory Control Sample (LCS) Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries
- Internal Standards
- Target Compound Identification
- Compound Quantitation
- Data Qualifiers
- Summary

Volatile Organic Compounds (VOCs)

Sample Data Reporting Format

The sample data are presented using USEPA Contract Laboratory Protocol (CLP) format. The data package has been reviewed for completeness and found to contain each required sample result and associated QA/QC report form. The reporting format is complete and compliant with the objectives of the project. No qualification of the data is recommended.

Preservation and Holding Time Compliance

Maximum allowable holding times for each parameter were measured from the time of sample collection to the time of sample preparation or analysis for each project sample. All project samples were found to be properly preserved or analyzed within the USEPA recommended maximum holding time, without exception. No qualification of the data is recommended.

Gas Chromatography/Mass Spectrometry (GC/MS) Instrument Performance Check

GC/MS instrument performance checks for the instruments used in the analysis of project samples fell within method specific criteria without exception. No qualification of the data is recommended.

Initial Calibration Verification (ICV)

Initial calibration checks for the instruments used in the analysis of project samples fell within the method specific criteria with the following exceptions.

Instrument	Date/ Time	Target Analyte(s)	%RSD	RRF	Corrective Action	Affected Sample(s)
V1	11/16/11 14:34	Tetrachloroethene	24.5	0.58	Action #1	WEATHERED RX PIECES AOC1-CS-2 AOC1-CS-3 CLASS 1 PILE-WET AOC1-CS-1 WCS-111611-1 CLASS 1 PILE DRY-2 CLASS 1 PILE-DRY
V10	11/17/11 09:40	1,1-Dichloroethene	20.5	0.23	Action #1	WCS-111611-1-TCLP

Action #1: Positive results are qualified "J", estimated and nondetected analytes as "UJ", estimated detection limit.

Continuing Calibration Verification (CCV)

Continuing calibration checks for the instruments used in the analysis of project samples fell within the method specific criteria, with the following exceptions:

Instrument	Date/ Time	Target Analyte(s)	%D	RRF	Corrective Action	Affected Sample(s)
V1	11/21/11 07:57	Acetone 2-Chloroethyl vinyl ether	48.9 40.8	0.03 0.005	Action #1 Action #2	CLASS 1 PILE-WET AOC1-CS-1 WCS-111611-1 CLASS 1 PILE DRY-2 CLASS 1 PILE-DRY

Action #1: Positive results are qualified "J", estimated and nondetected analytes as "UJ", estimated detection limit.
Action #2: Positive results are qualified "J", estimated and nondetected analytes as "R", rejected.

Blank Sample Analysis

In accordance with cited USEPA guidelines, positive sample results should be reported unless the concentration of the compound in the project sample is less than or equal to 10 times (10X) the amount in any blank for the common laboratory contaminants (methylene chloride, acetone, 2-butanone, cyclohexane), or 5 times (5X) the amount for other target compounds.

Target compounds were not identified in associated blank samples at a concentration above the MDL for organic parameter analyses, with the following exceptions:

Blank	Target Analyte(s)	Conc.	Flag sample results with a "U" if ≤ this value	Affected Sample(s)
MB-63220	Toluene	1.1 ug/kg	5.5 ug/kg	CLASS 1 PILE-WET AOC1-CS-1 WCS-111611-1 CLASS 1 PILE DRY-2 CLASS 1 PILE-DRY
MB-63374	Chlorobenzene	1.3 ug/L	6.5 ug/L	WEATHERED RX PIECES-TCLP

System Monitoring/Surrogate Compound Recoveries

System monitoring/surrogate compound recoveries were within the laboratory specific criteria for the analysis of the project samples without exception. No qualification of the data is recommended.

Laboratory Control Sample (LCS) Recoveries

LCS recoveries were within the method specific criteria without exception. No qualification of the data is recommended.

Internal Standards (IS)

The calculated response of each IS compound fell within the QA/QC criteria without exception. No qualification of the data is recommended.

Compound Quantitation

Compound quantitation is performed to ensure that reported quantitation results are accurate. No qualification of the data is recommended.

Data Qualifiers

Data qualifiers were assigned by the laboratory to the reported results to identify target analytes detected below the reporting limit (RL) but above the method detection limit (MDL), and/or when target analytes were detected in the associated method/preparation blank sample. Based on a spot check of the data qualifiers used, these flags appeared to be applied to the reported results in accordance with USEPA guidance. The "J" qualifier, which indicates an estimated value because the result was between the RL and MDL, was carried forward.

Organic analyses samples that contained concentrations of target analytes at a reportable level in the associated method blanks were flagged by the laboratory with a "B". If the target analyte concentration was greater than 10X the amount in any blank for the common laboratory

contaminants or 5X the amount for other target compounds, the "B" qualifier was not carried forward; if less than the 10X or 5X rule, the "B" qualifier was replaced with a "U".

Compounds detected at levels above the calibration range of the instrument were qualified "E" by the laboratory. The samples were then re-analyzed at a dilution to bring the concentration within the calibration range of the instrument. Both results were reported by the laboratory and the data validator used professional judgment to select the best result for reporting purposes.

Semivolatile Organic Compounds (SVOCs)

Sample Data Reporting Format

The sample data are presented using USEPA Contract Laboratory Protocol (CLP) format. The data package has been reviewed for completeness and found to contain each required sample result and associated QA/QC report form. The reporting format is complete and compliant with the objectives of the project. No qualification of the data is recommended.

Preservation and Holding Time Compliance

Maximum allowable holding times for each parameter were measured from the time of sample collection to the time of sample preparation or analysis for each project sample. All project samples were found to be properly preserved or analyzed within the USEPA recommended maximum holding time, without exception. No qualification of the data is recommended.

Gas Chromatography/Mass Spectrometry (GC/MS) Instrument Performance Check

GC/MS instrument performance checks for the instruments used in the analysis of project samples fell within method specific criteria without exception. No qualification of the data is recommended.

Initial Calibration Verification (ICV)

Initial calibration checks for the instruments used in the analysis of project samples fell within the method specific criteria without exception. No qualification of the data is recommended.

Continuing Calibration Verification (CCV)

Continuing calibration checks for the instruments used in the analysis of project samples fell within the method specific criteria, with the following exceptions:

Inst.	Date/ Time	Target Analyte(s)	%D	RRF	Corrective Action	Affected Sample(s)
S3	11/18/11 12:35	Hexachlorocyclopentadiene	-46.8	0.16	Action #1	All Samples

Action #1: Positive results are qualified "J", estimated and nondetected analytes as "UJ", estimated detection limit.

Blank Sample Analysis

In accordance with cited USEPA guidelines, positive sample results should be reported unless the concentration of the compound in the project sample is less than or equal to 5 times (5X) the amount in any blank.

Target compounds were not identified in associated blank samples at a concentration above the MDL for organic parameter analyses without exception. No qualification of the data is recommended.

System Monitoring/Surrogate Compound Recoveries

System monitoring/surrogate compound recoveries were within the laboratory specific criteria for the analysis of the project samples without exception. No qualification of the data is recommended.

Laboratory Control Sample (LCS) Recoveries

LCS recoveries were within the method specific criteria without exception. No qualification of the data is recommended.

Internal Standards (IS)

The calculated response of each IS compound fell within the QA/QC criteria without exception. No qualification of the data is recommended.

Compound Quantitation

Compound quantitation is performed to ensure that reported quantitation results are accurate. No qualification of the data is recommended.

Data Qualifiers

Data qualifiers were assigned by the laboratory to the reported results to identify target analytes detected below the reporting limit (RL) but above the method detection limit (MDL), and/or when target analytes were detected in the associated method/preparation blank sample. Based on a spot check of the data qualifiers used, these flags appeared to be applied to the reported results in accordance with USEPA guidance. The "J" qualifier, which indicates an estimated value because the result was between the RL and MDL, was carried forward.

Compounds detected at levels above the calibration range of the instrument were qualified "E" by the laboratory. The samples were then re-analyzed at a dilution to bring the concentration within the calibration range of the instrument. Both results were reported by the laboratory and the data validator used professional judgment to select the best result for reporting purposes.

Pesticides

Preservation and Holding Time Compliance

Maximum allowable holding times for each parameter were measured from the time of sample collection to the time of sample preparation or analysis for each project sample. All project samples were found to be properly preserved or analyzed within the USEPA recommended maximum holding time without exception. No qualification of the data is recommended.

Gas Chromatography/Mass Spectrometry (GC/MS) Instrument Performance Check

GC/MS instrument performance checks for the instruments used in the analysis of project samples fell within method specific criteria without exception. No qualification of the data is recommended.

Initial Calibration Verification (ICV)

Initial calibration checks for the instruments used in the analysis of project samples fell within the method specific criteria without exception. No qualification of the data is recommended.

Continuing Calibration Verification (CCV)

Continuing calibration checks for the instruments used in the analysis of project samples fell within the method specific criteria without exception. No qualification of the data is recommended.

Blank Sample Analysis

In accordance with cited USEPA guidelines, positive sample results should be reported unless the concentration of the compound in the project sample is less than or equal the amount in any blank. Target compounds were not identified in associated blank samples at a concentration above the MDL without exception. No qualification of the data is recommended.

System Monitoring/Surrogate Compound Recoveries

System monitoring/surrogate compound recoveries were within the laboratory specific criteria for the analysis of the project samples with the following exceptions.

Surrogate		**Criteria (%)**
Tetrachloro-m-xylene	S01	14-113
Decachlorobiphenyl	S02	55-130

Project Sample ID	**S01 Col 1**	**S01 Col 2**	**S02 Col 1**	**S02 Col 2**	**Positive Results**	**Non Detect (ND)**
	%R	**%R**	**%R**	**%R**		
AOC1-CS-3	57	56	88	**223**	J	No Qual

If the surrogate percent recovery is greater than the upper acceptance limit, associated target analyte positive results are qualified "J", estimated and nondetected analytes should not be qualified. If the surrogate percent recovery is less than the lower acceptance limit, associated target analyte positive results are qualified "J", estimated and nondetected analytes are qualified "UJ", estimated detection limit. All pesticide target analytes in the identified project samples that were analyzed on the specified column should be qualified as noted above.

Laboratory Control Sample (LCS) Recoveries

LCS recoveries were within the method specific criteria without exception. No qualification of the data is recommended.

Target Compound Identification

Target compounds that were detected in the project samples were detected in both GC columns at comparable concentrations (within 25%) that ensures no interfering analytes are present, with the following exceptions.

Sample ID	Analyte	Column %D	Action
AOC1-CS-1	Heptachlor epoxide	39	Action #1
AOC1-CS-3	Gamma-BHC (Lindane)	38	Action #1
	Heptachlor epoxide	167	Action #1
	Endosulfan sulfate	718	Action #1
	Endrin ketone	51	Action #1
WCS-111611-1	4,4'-DDT	49	Action #1

Action #1: The lower of the column concentrations is reported and the results are qualified as "J", estimated.

Compound Quantitation

Compound quantitation is performed to ensure that reported quantitation results are accurate. No qualification of the data is recommended.

PCBs

Preservation and Holding Time Compliance

Maximum allowable holding times for each parameter were measured from the time of sample collection to the time of sample preparation or analysis for each project sample. All project samples were found to be properly preserved or analyzed within the USEPA recommended maximum holding time without exception. No qualification of the data is recommended.

Gas Chromatography/Mass Spectrometry (GC/MS) Instrument Performance Check

GC/MS instrument performance checks for the instruments used in the analysis of project samples fell within method specific criteria without exception. No qualification of the data is recommended.

Initial Calibration Verification (ICV)

Initial calibration checks for the instruments used in the analysis of project samples fell within the method specific criteria without exception. No qualification of the data is recommended.

Continuing Calibration Verification (CCV)

The mid-point calibration AR16603AE run on 11/18/11 at 10:16 had %Ds outside the method specified limits for Aroclor 1260 in Column 2, affecting all samples. Positive results for Aroclor 1260 were qualified as "J", estimated and nondetected results were qualified as "UJ", estimated detection limit.

The mid-point calibration AR16603AF run on 11/18/11 at 10:16 had %Ds outside the method specified limits for Aroclor 1260 in Column 2, affecting all samples. Positive results for Aroclor 1260 were qualified as "J", estimated and nondetected results were qualified as "UJ", estimated detection limit.

Blank Sample Analysis

In accordance with cited USEPA guidelines, positive sample results should be reported unless the concentration of the compound in the project sample is less than or equal the amount in any blank. Target compounds were not identified in associated blank samples at a concentration above the MDL without exception. No qualification of the data is recommended.

System Monitoring/Surrogate Compound Recoveries

System monitoring/surrogate compound recoveries were within the laboratory specific criteria for the analysis of the project samples with the following exceptions.

Surrogate		**Criteria (%)**
Tetrachloro-m-xylene	S01	34-147
Decachlorobiphenyl	S02	60-125

Project Sample ID	**S01 Col 1**	**S01 Col 2**	**S02 Col 1**	**S02 Col 2**	**Positive Results**	**Non Detect (ND)**
	%R	**%R**	**%R**	**%R**		
CLASS 1 PILE-DRY	71	74	**59**	113	J	UJ
CLASS 1 PILE-WET	65	69	**54**	113	J	UJ
AOC1-CS-1	50	55	**48**	106	J	UJ
AOC1-CS-2	62	64	**52**	91	J	UJ
AOC1-CS-3	51	55	**43**	**176**	J	UJ
WCS-111611-1	55	60	**43**	110	J	UJ

If the surrogate percent recovery is greater than the upper acceptance limit, associated target analyte positive results are qualified "J", estimated and nondetected analytes should not be qualified. If the surrogate percent recovery is less than the lower acceptance limit, associated

target analyte positive results are qualified "J", estimated and nondetected analytes are qualified "UJ", estimated detection limit. All pesticide target analytes in the identified project samples that were analyzed on the specified column should be qualified as noted above.

Laboratory Control Sample (LCS) Recoveries

LCS recoveries were within the method specific criteria without exception. No qualification of the data is recommended.

Target Compound Identification

Target compounds that were detected in the project samples were detected in both GC columns at comparable concentrations (within 25%) that ensures no interfering analytes are present, with the following exceptions.

Sample ID	Analyte	Column %D	Action
AOC1-CS-1	AROCLOR-1260	89	Action #1
AOC1-CS-3	AROCLOR-1260	159	Action #1

Action #1: The lower of the column concentrations is reported and the results are qualified as "J", estimated.

Compound Quantitation

Compound quantitation is performed to ensure that reported quantitation results are accurate. Compounds were quantitated correctly without exception.

Metals

Preservation and Holding Time Compliance

Maximum allowable holding times for each parameter were measured from the time of sample collection to the time of sample preparation or analysis for each project sample. All project samples were found to be properly preserved or analyzed within the USEPA recommended maximum holding time without exception. No qualification of the data is recommended.

Initial Calibration Verification (ICV)

Initial calibration checks for the instruments used in the analysis of project samples fell within the method specific criteria without exception. No qualification of the data is recommended.

Continuing Calibration Verification (CCV)

Continuing calibration checks for the instruments used in the analysis of project samples fell within the method specific criteria without exception. No qualification of the data is recommended.

Blank Sample Analysis

In accordance with cited USEPA guidelines, positive sample results should be reported unless the concentration of the compound in the project sample is less than or equal to 5 times (5X) the amount in the associated blank sample.

Target compounds were not identified in associated blank samples at a concentration above the MDL for metals analyses, with the following exceptions:

Blank	Target Analyte(s)	Conc.	Flag sample results with a "U" if ≤ this value	Affected Sample(s)
MB-63128	Antimony Beryllium Calcium Magnesium	0.60 mg/kg 0.003 mg/kg 8.20 mg/kg 1.08 mg/kg	3.0 mg/kg 0.015 mg/kg 41.0 mg/kg 5.40 mg/kg	All Samples

Note: Preparation Blank associated samples include all samples analyzed within the sample analytical batch.

Interference Check Sample Analysis

The interference check sample solution percent recoveries (%Rs) fell within the method required control limits without exception. No qualification of the data is recommended.

Laboratory Control Sample (LCS) Analysis

The LCS %Rs fell within the method required control limits without exception. No qualification of the data is recommended.

Compound Quantitation

Compound quantitation is performed to ensure that reported quantitation results are accurate. Compounds were quantitated correctly without exception.

Data Qualifiers

Data qualifiers were assigned by the laboratory to the reported results to identify target analytes detected below the reporting limit (RL) but above the method detection limit (MDL),

and/or when target analytes were detected in the associated method/preparation blank sample. Based on a spot check of the data qualifiers used, these flags appeared to be applied to the reported results in accordance with USEPA guidance. The "B" qualifier, which indicates an estimated value because the result was between the RL and MDL, was changed to a "J" qualifier by the data reviewer.

Summary

The results presented in each report were found to be compliant with the data quality objectives for the project and usable. Based on our review, the usability of the data is 100%, with the few exceptions noted above.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEATHERED RX PIECES

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-01A

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1M4513.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 7.3 Date Analyzed: 11/17/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	5.4	U
75-01-4	Vinyl chloride	6.7	
74-83-9	Bromomethane	5.4	U
75-00-3	Chloroethane	5.4	U
75-69-4	Trichlorofluoromethane	5.4	U
75-35-4	1,1-Dichloroethene	3.0	J
67-64-1	Acetone	5.4	U
75-15-0	Carbon disulfide	4.6	J
75-09-2	Methylene chloride	5.4	U
156-60-5	trans-1,2-Dichloroethene	2.3	J
1634-04-4	Methyl tert-butyl ether	5.4	U
75-34-3	1,1-Dichloroethane	5.4	U
108-05-4	Vinyl acetate	5.4	U
78-93-3	2-Butanone	5.4	U
~~156-59-2~~	~~cis-1,2-Dichloroethene~~	~~360~~	~~E~~
67-66-3	Chloroform	5.4	U
71-55-6	1,1,1-Trichloroethane	5.4	U
56-23-5	Carbon tetrachloride	5.4	U
107-06-2	1,2-Dichloroethane	5.4	U
71-43-2	Benzene	5.4	U
~~79-01-6~~	~~Trichloroethene~~	~~2700~~	~~E~~
78-87-5	1,2-Dichloropropane	5.4	U
75-27-4	Bromodichloromethane	5.4	U
10061-01-5	cis-1,3-Dichloropropene	5.4	U
108-10-1	4-Methyl-2-pentanone	5.4	U
108-88-3	Toluene	3.6	J
10061-02-6	trans-1,3-Dichloropropene	5.4	U
79-00-5	1,1,2-Trichloroethane	5.4	U
127-18-4	Tetrachloroethene	31	J
591-78-6	2-Hexanone	5.4	U
124-48-1	Dibromochloromethane	5.4	U
108-90-7	Chlorobenzene	5.4	U
100-41-4	Ethylbenzene	2.2	J
1330-20-7	m,p-Xylene	2.0	J
95-47-6	o-Xylene	5.4	U

EL 3/12/12

SW846

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEATHERED RX PIECES

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-01A

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1M4513.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 7.3 Date Analyzed: 11/17/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	2.0	J
100-42-5	Styrene	5.4	U
75-25-2	Bromoform	5.4	U
98-82-8	Isopropylbenzene	5.4	U
79-34-5	1,1,2,2-Tetrachloroethane	5.4	U
103-65-1	n-Propylbenzene	5.4	U
108-67-8	1,3,5-Trimethylbenzene	5.4	U
98-06-6	tert-Butylbenzene	5.4	U
95-63-6	1,2,4-Trimethylbenzene	5.4	U
135-98-8	sec-Butylbenzene	5.4	U
99-87-6	4-Isopropyltoluene	5.4	U
541-73-1	1,3-Dichlorobenzene	5.4	U
106-46-7	1,4-Dichlorobenzene	5.4	U
104-51-8	n-Butylbenzene	5.4	U
95-50-1	1,2-Dichlorobenzene	5.4	U
91-20-3	Naphthalene	5.4	U
110-75-8	2-Chloroethyl vinyl ether	5.4	U

EL
3/12/12

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WEATHERED RX PIECES

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-01A

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1M4513.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 7.3 Date Analyzed: 11/17/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	7.089	8.6	J

[1]EPA-designated Registry Number.

EL
3/12/12

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEATHERED RX PIECESME

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-01A

Sample wt/vol: 5.40 (g/mL) G Lab File ID: V6I4076.D

Level: (TRACE/LOW/MED) MED Date Received: 11/17/2011

% Moisture: not dec. 7.3 Date Analyzed: 11/19/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	2700	U
75-01-4	Vinyl chloride	2700	U
74-83-9	Bromomethane	2700	U
75-00-3	Chloroethane	2700	U
75-69-4	Trichlorofluoromethane	2700	U
75-35-4	1,1-Dichloroethene	2700	U
67-64-1	Acetone	2700	U
75-15-0	Carbon disulfide	2700	U
75-09-2	Methylene chloride	2700	U
156-60-5	trans-1,2-Dichloroethene	2700	U
1634-04-4	Methyl tert-butyl ether	2700	U
75-34-3	1,1-Dichloroethane	2700	U
108-05-4	Vinyl acetate	2700	U
78-93-3	2-Butanone	2700	U
156-59-2	cis-1,2-Dichloroethene	1700	J
67-66-3	Chloroform	2700	U
71-55-6	1,1,1-Trichloroethane	2700	U
56-23-5	Carbon tetrachloride	2700	U
107-06-2	1,2-Dichloroethane	2700	U
71-43-2	Benzene	2700	U
79-01-6	Trichloroethene	18000	
78-87-5	1,2-Dichloropropane	2700	U
75-27-4	Bromodichloromethane	2700	U
10061-01-5	cis-1,3-Dichloropropene	2700	U
108-10-1	4-Methyl-2-pentanone	2700	U
108-88-3	Toluene	2700	U
10061-02-6	trans-1,3-Dichloropropene	2700	U
79-00-5	1,1,2-Trichloroethane	2700	U
127-18-4	Tetrachloroethene	2700	U
591-78-6	2-Hexanone	2700	U
124-48-1	Dibromochloromethane	2700	U
108-90-7	Chlorobenzene	2700	U
100-41-4	Ethylbenzene	2700	U
1330-20-7	m,p-Xylene	2700	U
95-47-6	o-Xylene	2700	U

EL 3/12/12

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEATHERED RX PIECESME

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-01A

Sample wt/vol: 5.40 (g/mL) G Lab File ID: V6I4076.D

Level: (TRACE/LOW/MED) MED Date Received: 11/17/2011

% Moisture: not dec. 7.3 Date Analyzed: 11/19/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	2700	U
100-42-5	Styrene	2700	U
75-25-2	Bromoform	2700	U
98-82-8	Isopropylbenzene	2700	U
79-34-5	1,1,2,2-Tetrachloroethane	2700	U
103-65-1	n-Propylbenzene	2700	U
108-67-8	1,3,5-Trimethylbenzene	2700	U
98-06-6	tert-Butylbenzene	2700	U
95-63-6	1,2,4-Trimethylbenzene	2700	U
135-98-8	sec-Butylbenzene	2700	U
99-87-6	4-Isopropyltoluene	2700	U
541-73-1	1,3-Dichlorobenzene	2700	U
106-46-7	1,4-Dichlorobenzene	2700	U
104-51-8	n-Butylbenzene	2700	U
95-50-1	1,2-Dichlorobenzene	2700	U
91-20-3	Naphthalene	2700	U
110-75-8	2-Chloroethyl vinyl ether	2700	U

EL 3/12/12

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WEATHERED RX PIECESME

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-01A

Sample wt/vol: 5.40 (g/mL) G Lab File ID: V6I4076.D

Level: (TRACE or LOW/MED) MED Date Received: 11/17/2011

% Moisture: not dec. 7.3 Date Analyzed: 11/19/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

EL
3/12/12

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CLASS 1 PILE-DRY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-02B

Sample wt/vol: 5.10 (g/mL) G Lab File ID: V1M4574.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 8.2 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	5.3	U
75-01-4	Vinyl chloride	5.3	U
74-83-9	Bromomethane	5.3	U
75-00-3	Chloroethane	5.3	U
75-69-4	Trichlorofluoromethane	5.3	U
75-35-4	1,1-Dichloroethene	5.3	U
67-64-1	Acetone	5.3	U
75-15-0	Carbon disulfide	1.6	J
75-09-2	Methylene chloride	5.3	U
156-60-5	trans-1,2-Dichloroethene	5.3	U
1634-04-4	Methyl tert-butyl ether	5.3	U
75-34-3	1,1-Dichloroethane	5.3	U
108-05-4	Vinyl acetate	5.3	U
78-93-3	2-Butanone	3.3	J
156-59-2	cis-1,2-Dichloroethene	5.3	U
67-66-3	Chloroform	5.3	U
71-55-6	1,1,1-Trichloroethane	5.3	U
56-23-5	Carbon tetrachloride	5.3	U
107-06-2	1,2-Dichloroethane	5.3	U
71-43-2	Benzene	5.7	
79-01-6	Trichloroethene	5.3	U
78-87-5	1,2-Dichloropropane	5.3	U
75-27-4	Bromodichloromethane	5.3	U
10061-01-5	cis-1,3-Dichloropropene	5.3	U
108-10-1	4-Methyl-2-pentanone	3.7	U
108-88-3	Toluene	5.3	U
10061-02-6	trans-1,3-Dichloropropene	5.3	U
79-00-5	1,1,2-Trichloroethane	5.3	U
127-18-4	Tetrachloroethene	5.3	U
591-78-6	2-Hexanone	5.3	U
124-48-1	Dibromochloromethane	5.3	U
108-90-7	Chlorobenzene	5.3	U
100-41-4	Ethylbenzene	5.3	U
1330-20-7	m,p-Xylene	5.3	U
95-47-6	o-Xylene	5.3	U

EL 3/12/12

SW846

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CLASS 1 PILE-DRY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-02B

Sample wt/vol: 5.10 (g/mL) G Lab File ID: V1M4574.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 8.2 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	5.3	U
100-42-5	Styrene	5.3	U
75-25-2	Bromoform	5.3	U
98-82-8	Isopropylbenzene	5.3	U
79-34-5	1,1,2,2-Tetrachloroethane	5.3	U
103-65-1	n-Propylbenzene	5.3	U
108-67-8	1,3,5-Trimethylbenzene	5.3	U
98-06-6	tert-Butylbenzene	5.3	U
95-63-6	1,2,4-Trimethylbenzene	5.3	U
135-98-8	sec-Butylbenzene	5.3	U
99-87-6	4-Isopropyltoluene	5.3	U
541-73-1	1,3-Dichlorobenzene	5.3	U
106-46-7	1,4-Dichlorobenzene	5.3	U
104-51-8	n-Butylbenzene	5.3	U
95-50-1	1,2-Dichlorobenzene	5.3	U
91-20-3	Naphthalene	5.3	U
110-75-8	2-Chloroethyl vinyl ether	5.3	~~U~~ R

EL
3/12/12

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CLASS 1 PILE-DRY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-02B

Sample wt/vol: 5.10 (g/mL) G Lab File ID: V1M4574.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 8.2 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	556-67-2	Cyclotetrasiloxane, octameth	11.862	12	NJ

[1]EPA-designated Registry Number.

EC 3/12/12

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CLASS 1 PILE-WET

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-03B

Sample wt/vol: 5.90 (g/mL) G Lab File ID: V1M4567.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 14 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	4.9	U
75-01-4	Vinyl chloride	1.3	J
74-83-9	Bromomethane	4.9	U
75-00-3	Chloroethane	4.9	U
75-69-4	Trichlorofluoromethane	4.9	U
75-35-4	1,1-Dichloroethene	4.9	UJ
67-64-1	Acetone	4.9	U
75-15-0	Carbon disulfide	4.9	U
75-09-2	Methylene chloride	4.9	U
156-60-5	trans-1,2-Dichloroethene	4.9	U
1634-04-4	Methyl tert-butyl ether	4.9	U
75-34-3	1,1-Dichloroethane	4.9	U
108-05-4	Vinyl acetate	4.9	U
78-93-3	2-Butanone	15	
156-59-2	cis-1,2-Dichloroethene	4.9	U
67-66-3	Chloroform	4.9	U
71-55-6	1,1,1-Trichloroethane	4.9	U
56-23-5	Carbon tetrachloride	4.9	U
107-06-2	1,2-Dichloroethane	4.9	U
71-43-2	Benzene	12	
79-01-6	Trichloroethene	4.9	U
78-87-5	1,2-Dichloropropane	4.9	U
75-27-4	Bromodichloromethane	4.9	U
10061-01-5	cis-1,3-Dichloropropene	4.9	U
108-10-1	4-Methyl-2-pentanone	3.0	~~BJ~~ U
108-88-3	Toluene	4.9	U
10061-02-6	trans-1,3-Dichloropropene	4.9	U
79-00-5	1,1,2-Trichloroethane	4.9	UJ
127-18-4	Tetrachloroethene	4.9	U
591-78-6	2-Hexanone	4.9	U
124-48-1	Dibromochloromethane	4.9	U
108-90-7	Chlorobenzene	4.9	U
100-41-4	Ethylbenzene	4.9	U
1330-20-7	m,p-Xylene	1.1	J
95-47-6	o-Xylene		

EC 3/12/12

SW846

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CLASS 1 PILE-WET

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-03B

Sample wt/vol: 5.90 (g/mL) G Lab File ID: V1M4567.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 14 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	2.2	J
100-42-5	Styrene	4.9	U
75-25-2	Bromoform	4.9	U
98-82-8	Isopropylbenzene	4.9	U
79-34-5	1,1,2,2-Tetrachloroethane	4.9	U
103-65-1	n-Propylbenzene	4.9	U
108-67-8	1,3,5-Trimethylbenzene	4.9	U
98-06-6	tert-Butylbenzene	4.9	U
95-63-6	1,2,4-Trimethylbenzene	4.9	U
135-98-8	sec-Butylbenzene	4.9	U
99-87-6	4-Isopropyltoluene	4.9	U
541-73-1	1,3-Dichlorobenzene	4.9	U
106-46-7	1,4-Dichlorobenzene	4.9	U
104-51-8	n-Butylbenzene	4.9	U
95-50-1	1,2-Dichlorobenzene	4.9	U
91-20-3	Naphthalene	4.9	U
110-75-8	2-Chloroethyl vinyl ether	4.9	~~U~~ R

EC
3/13/12

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CLASS 1 PILE-WET

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-03B

Sample wt/vol: 5.90 (g/mL) G Lab File ID: V1M4567.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 14 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

EL 3/13/12

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CLASS 1 PILE DRY-2

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-04A

Sample wt/vol: 6.10 (g/mL) G Lab File ID: V1M4570.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 9.0 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	4.5	U
75-01-4	Vinyl chloride	4.5	U
74-83-9	Bromomethane	4.5	U
75-00-3	Chloroethane	4.5	U
75-69-4	Trichlorofluoromethane	4.5	U
75-35-4	1,1-Dichloroethene	4.5	U
67-64-1	Acetone	4.5	UJ
75-15-0	Carbon disulfide	4.5	U
75-09-2	Methylene chloride	6.0	
156-60-5	trans-1,2-Dichloroethene	4.5	U
1634-04-4	Methyl tert-butyl ether	4.5	U
75-34-3	1,1-Dichloroethane	4.5	U
108-05-4	Vinyl acetate	4.5	U
78-93-3	2-Butanone	4.5	U
156-59-2	cis-1,2-Dichloroethene	4.5	U
67-66-3	Chloroform	4.5	U
71-55-6	1,1,1-Trichloroethane	4.5	U
56-23-5	Carbon tetrachloride	4.5	U
107-06-2	1,2-Dichloroethane	4.5	U
71-43-2	Benzene	4.5	U
79-01-6	Trichloroethene	1.3	J
78-87-5	1,2-Dichloropropane	4.5	U
75-27-4	Bromodichloromethane	4.5	U
10061-01-5	cis-1,3-Dichloropropene	4.5	U
108-10-1	4-Methyl-2-pentanone	4.5	U
108-88-3	Toluene	3.0	~~BJ~~ U
10061-02-6	trans-1,3-Dichloropropene	4.5	U
79-00-5	1,1,2-Trichloroethane	4.5	U
127-18-4	Tetrachloroethene	4.5	UJ
591-78-6	2-Hexanone	4.5	U
124-48-1	Dibromochloromethane	4.5	U
108-90-7	Chlorobenzene	4.5	U
100-41-4	Ethylbenzene	4.5	U
1330-20-7	m,p-Xylene	4.5	U
95-47-6	o-Xylene	4.5	U

EL 3/13/12

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CLASS 1 PILE DRY-2

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-04A

Sample wt/vol: 6.10 (g/mL) G Lab File ID: V1M4570.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 9.0 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	4.5	U
100-42-5	Styrene	4.5	U
75-25-2	Bromoform	4.5	U
98-82-8	Isopropylbenzene	4.5	U
79-34-5	1,1,2,2-Tetrachloroethane	4.5	U
103-65-1	n-Propylbenzene	4.5	U
108-67-8	1,3,5-Trimethylbenzene	4.5	U
98-06-6	tert-Butylbenzene	4.5	U
95-63-6	1,2,4-Trimethylbenzene	4.5	U
135-98-8	sec-Butylbenzene	4.5	U
99-87-6	4-Isopropyltoluene	4.5	U
541-73-1	1,3-Dichlorobenzene	4.5	U
106-46-7	1,4-Dichlorobenzene	4.5	U
104-51-8	n-Butylbenzene	4.5	U
95-50-1	1,2-Dichlorobenzene	4.5	U
91-20-3	Naphthalene	4.5	U
110-75-8	2-Chloroethyl vinyl ether	4.5	~~U~~ R

EL 3/13/12

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CLASS 1 PILE
DRY-2

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-04A

Sample wt/vol: 6.10 (g/mL) G Lab File ID: V1M4570.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 9.0 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

EC
3/12/12

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AOC1-CS-1

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-05B

Sample wt/vol: 5.30 (g/mL) G Lab File ID: V1M4568.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 12 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	5.4	U
75-01-4	Vinyl chloride	5.4	U
74-83-9	Bromomethane	5.4	U
75-00-3	Chloroethane	5.4	U
75-69-4	Trichlorofluoromethane	5.4	U
75-35-4	1,1-Dichloroethene	5.4	U
67-64-1	Acetone	5.4	UJ
75-15-0	Carbon disulfide	5.4	U
75-09-2	Methylene chloride	5.4	U
156-60-5	trans-1,2-Dichloroethene	5.4	U
1634-04-4	Methyl tert-butyl ether	5.4	U
75-34-3	1,1-Dichloroethane	5.4	U
108-05-4	Vinyl acetate	5.4	U
78-93-3	2-Butanone	5.4	U
156-59-2	cis-1,2-Dichloroethene	4.0	J
67-66-3	Chloroform	5.4	U
71-55-6	1,1,1-Trichloroethane	5.4	U
56-23-5	Carbon tetrachloride	5.4	U
107-06-2	1,2-Dichloroethane	5.4	U
71-43-2	Benzene	5.4	U
79-01-6	Trichloroethene	2.9	J
78-87-5	1,2-Dichloropropane	5.4	U
75-27-4	Bromodichloromethane	5.4	U
10061-01-5	cis-1,3-Dichloropropene	5.4	U
108-10-1	4-Methyl-2-pentanone	5.4	U
108-88-3	Toluene	4.2	~~BJ~~ U
10061-02-6	trans-1,3-Dichloropropene	5.4	U
79-00-5	1,1,2-Trichloroethane	5.4	U
127-18-4	Tetrachloroethene	5.4	UJ
591-78-6	2-Hexanone	5.4	U
124-48-1	Dibromochloromethane	5.4	U
108-90-7	Chlorobenzene	5.4	U
100-41-4	Ethylbenzene	5.4	U
1330-20-7	m,p-Xylene	5.4	U
95-47-6	o-Xylene	5.4	U

EL 3/12/12

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AOC1-CS-1

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-05B

Sample wt/vol: 5.30 (g/mL) G Lab File ID: V1M4568.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 12 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	5.4	U
100-42-5	Styrene	5.4	U
75-25-2	Bromoform	5.4	U
98-82-8	Isopropylbenzene	5.4	U
79-34-5	1,1,2,2-Tetrachloroethane	5.4	U
103-65-1	n-Propylbenzene	5.4	U
108-67-8	1,3,5-Trimethylbenzene	5.4	U
98-06-6	tert-Butylbenzene	5.4	U
95-63-6	1,2,4-Trimethylbenzene	5.4	U
135-98-8	sec-Butylbenzene	5.4	U
99-87-6	4-Isopropyltoluene	5.4	U
541-73-1	1,3-Dichlorobenzene	5.4	U
106-46-7	1,4-Dichlorobenzene	5.4	U
104-51-8	n-Butylbenzene	5.4	U
95-50-1	1,2-Dichlorobenzene	5.4	U
91-20-3	Naphthalene	5.4	U
110-75-8	2-Chloroethyl vinyl ether	5.4	~~U~~ R

EL
3/12/12

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AOC1-CS-1

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-05B

Sample wt/vol: 5.30 (g/mL) G Lab File ID: V1M4568.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 12 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	493-02-7	Naphthalene, decahydro-, tra	13.344	49	NJ
02		Unknown (13.57042)	13.570	33	J
03		Unknown (13.68862)	13.689	51	J
04		Unknown (14.06290)	14.063	44	J
05	2958-75-0	1-Methyldecahydronaphthalene	14.299	44	NJ
06		Unknown (14.73267)	14.733	33	J
07	6044-71-9	Dodecane, 6-methyl-	14.861	31	NJ
08		Unknown (14.90012)	14.900	31	J
09		Unknown (15.02817)	15.028	31	J
10	26730-14-3	Tridecane, 7-methyl-	15.491	41	NJ
11		Unknown (15.57975)	15.580	33	J

[1]EPA-designated Registry Number.

EL
3/12/12

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AOC1-CS-2

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-06B

Sample wt/vol: 5.10 (g/mL) G Lab File ID: V1M4517.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 8.7 Date Analyzed: 11/17/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	5.4	U
75-01-4	Vinyl chloride	5.4	U
74-83-9	Bromomethane	5.4	U
75-00-3	Chloroethane	5.4	U
75-69-4	Trichlorofluoromethane	5.4	U
75-35-4	1,1-Dichloroethene	5.4	U
67-64-1	Acetone	5.4	U
75-15-0	Carbon disulfide	3.7	J
75-09-2	Methylene chloride	5.4	U
156-60-5	trans-1,2-Dichloroethene	2.4	J
1634-04-4	Methyl tert-butyl ether	5.4	U
75-34-3	1,1-Dichloroethane	5.4	U
108-05-4	Vinyl acetate	5.4	U
78-93-3	2-Butanone	5.4	U
156-59-2	cis-1,2-Dichloroethene	120	
67-66-3	Chloroform	5.4	U
71-55-6	1,1,1-Trichloroethane	5.4	U
56-23-5	Carbon tetrachloride	5.4	U
107-06-2	1,2-Dichloroethane	5.4	U
71-43-2	Benzene	5.4	U
79-01-6	Trichloroethene	580	E
78-87-5	1,2-Dichloropropane	5.4	U
75-27-4	Bromodichloromethane	5.4	U
10061-01-5	cis-1,3-Dichloropropene	5.4	U
108-10-1	4-Methyl-2-pentanone	5.4	U
108-88-3	Toluene	2.6	J
10061-02-6	trans-1,3-Dichloropropene	5.4	U
79-00-5	1,1,2-Trichloroethane	5.4	U
127-18-4	Tetrachloroethene	2.9	J
591-78-6	2-Hexanone	5.4	U
124-48-1	Dibromochloromethane	5.4	U
108-90-7	Chlorobenzene	5.4	U
100-41-4	Ethylbenzene	5.4	U
1330-20-7	m,p-Xylene	5.4	U
95-47-6	o-Xylene	5.4	U

EL 3/12/12

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AOC1-CS-2

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-06B

Sample wt/vol: 5.10 (g/mL) G Lab File ID: V1M4517.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 8.7 Date Analyzed: 11/17/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	5.4	U
100-42-5	Styrene	5.4	U
75-25-2	Bromoform	5.4	U
98-82-8	Isopropylbenzene	5.4	U
79-34-5	1,1,2,2-Tetrachloroethane	5.4	U
103-65-1	n-Propylbenzene	5.4	U
108-67-8	1,3,5-Trimethylbenzene	5.4	U
98-06-6	tert-Butylbenzene	5.4	U
95-63-6	1,2,4-Trimethylbenzene	5.4	U
135-98-8	sec-Butylbenzene	5.4	U
99-87-6	4-Isopropyltoluene	5.4	U
541-73-1	1,3-Dichlorobenzene	5.4	U
106-46-7	1,4-Dichlorobenzene	5.4	U
104-51-8	n-Butylbenzene	5.4	U
95-50-1	1,2-Dichlorobenzene	5.4	U
91-20-3	Naphthalene	5.4	U
110-75-8	2-Chloroethyl vinyl ether	5.4	U

EL 3/12/12

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AOC1-CS-2

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-06B

Sample wt/vol: 5.10 (g/mL) G Lab File ID: V1M4517.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 8.7 Date Analyzed: 11/17/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	107-83-5	Pentane, 2-methyl-	3.878	19	NJ
02		Unknown	5.750	8.5	J
03	589-34-4	Hexane, 3-methyl-	5.947	5.5	NJ
04	108-87-2	Cyclohexane, methyl-	7.099	6.1	NJ

[1]EPA-designated Registry Number.

EL
3/12/12

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AOC1-CS-2ME

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-06B

Sample wt/vol: 5.10 (g/mL) G Lab File ID: V6I4049.D

Level: (TRACE/LOW/MED) MED Date Received: 11/17/2011

% Moisture: not dec. 8.7 Date Analyzed: 11/18/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	290	U
75-01-4	Vinyl chloride	290	U
74-83-9	Bromomethane	290	U
75-00-3	Chloroethane	290	U
75-69-4	Trichlorofluoromethane	290	U
75-35-4	1,1-Dichloroethene	290	U
67-64-1	Acetone	290	U
75-15-0	Carbon disulfide	290	U
75-09-2	Methylene chloride	290	U
156-60-5	trans-1,2-Dichloroethene	290	U
1634-04-4	Methyl tert-butyl ether	290	U
75-34-3	1,1-Dichloroethane	290	U
108-05-4	Vinyl acetate	290	U
78-93-3	2-Butanone	290	U
156-59-2	cis-1,2-Dichloroethene	290	U
67-66-3	Chloroform	290	U
71-55-6	1,1,1-Trichloroethane	290	U
56-23-5	Carbon tetrachloride	290	U
107-06-2	1,2-Dichloroethane	290	U
71-43-2	Benzene	460	
79-01-6	Trichloroethene	290	U
78-87-5	1,2-Dichloropropane	290	U
75-27-4	Bromodichloromethane	290	U
10061-01-5	cis-1,3-Dichloropropene	290	U
108-10-1	4-Methyl-2-pentanone	290	U
108-88-3	Toluene	290	U
10061-02-6	trans-1,3-Dichloropropene	290	U
79-00-5	1,1,2-Trichloroethane	290	U
127-18-4	Tetrachloroethene	290	U
591-78-6	2-Hexanone	290	U
124-48-1	Dibromochloromethane	290	U
108-90-7	Chlorobenzene	290	U
100-41-4	Ethylbenzene	290	U
1330-20-7	m,p-Xylene	290	U
95-47-6	o-Xylene	290	U

SW846

EL 3/12/12

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AOC1-CS-2ME

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-06B

Sample wt/vol: 5.10 (g/mL) G Lab File ID: V6I4049.D

Level: (TRACE/LOW/MED) MED Date Received: 11/17/2011

% Moisture: not dec. 8.7 Date Analyzed: 11/18/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	290	U
100-42-5	Styrene	290	U
75-25-2	Bromoform	290	U
98-82-8	Isopropylbenzene	290	U
79-34-5	1,1,2,2-Tetrachloroethane	290	U
103-65-1	n-Propylbenzene	290	U
108-67-8	1,3,5-Trimethylbenzene	290	U
98-06-6	tert-Butylbenzene	290	U
95-63-6	1,2,4-Trimethylbenzene	290	U
135-98-8	sec-Butylbenzene	290	U
99-87-6	4-Isopropyltoluene	290	U
541-73-1	1,3-Dichlorobenzene	290	U
106-46-7	1,4-Dichlorobenzene	290	U
104-51-8	n-Butylbenzene	290	U
95-50-1	1,2-Dichlorobenzene	290	U
91-20-3	Naphthalene	290	U
110-75-8	2-Chloroethyl vinyl ether	290	U

EL
3/12/12

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AOC1-CS-2ME

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-06B

Sample wt/vol: 5.10 (g/mL) G Lab File ID: V6I4049.D

Level: (TRACE or LOW/MED) MED Date Received: 11/17/2011

% Moisture: not dec. 8.7 Date Analyzed: 11/18/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

EL
3/12/12

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AOC1-CS-3

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-07B

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1M4518.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 14 Date Analyzed: 11/17/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	5.8	U
75-01-4	Vinyl chloride	110	
74-83-9	Bromomethane	5.8	U
75-00-3	Chloroethane	5.8	U
75-69-4	Trichlorofluoromethane	5.8	U
75-35-4	1,1-Dichloroethene	1.5	J
67-64-1	Acetone	5.8	U
75-15-0	Carbon disulfide	5.8	U
75-09-2	Methylene chloride	5.8	U
156-60-5	trans-1,2-Dichloroethene	3.1	J
1634-04-4	Methyl tert-butyl ether	5.8	U
75-34-3	1,1-Dichloroethane	5.8	U
108-05-4	Vinyl acetate	5.8	U
78-93-3	2-Butanone	5.8	U
~~156-59-2~~	~~cis-1,2-Dichloroethene~~	~~520~~	~~E~~
67-66-3	Chloroform	5.8	U
71-55-6	1,1,1-Trichloroethane	5.8	U
56-23-5	Carbon tetrachloride	5.8	U
107-06-2	1,2-Dichloroethane	5.8	U
71-43-2	Benzene	5.8	U
~~79-01-6~~	~~Trichloroethene~~	~~500~~	~~E~~
78-87-5	1,2-Dichloropropane	5.8	U
75-27-4	Bromodichloromethane	5.8	U
10061-01-5	cis-1,3-Dichloropropene	5.8	U
108-10-1	4-Methyl-2-pentanone	5.8	U
108-88-3	Toluene	2.0	J
10061-02-6	trans-1,3-Dichloropropene	5.8	U
79-00-5	1,1,2-Trichloroethane	5.8	U
127-18-4	Tetrachloroethene	8.2	J
591-78-6	2-Hexanone	5.8	U
124-48-1	Dibromochloromethane	5.8	U
108-90-7	Chlorobenzene	5.8	U
100-41-4	Ethylbenzene	5.8	U
1330-20-7	m,p-Xylene	5.8	U
95-47-6	o-Xylene	5.8	U

EL 3/12/12

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AOC1-CS-3

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-07B

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1M4518.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 14 Date Analyzed: 11/17/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	5.8	U
100-42-5	Styrene	5.8	U
75-25-2	Bromoform	5.8	U
98-82-8	Isopropylbenzene	5.8	U
79-34-5	1,1,2,2-Tetrachloroethane	5.8	U
103-65-1	n-Propylbenzene	5.8	U
108-67-8	1,3,5-Trimethylbenzene	5.8	U
98-06-6	tert-Butylbenzene	5.8	U
95-63-6	1,2,4-Trimethylbenzene	5.8	U
135-98-8	sec-Butylbenzene	5.8	U
99-87-6	4-Isopropyltoluene	5.8	U
541-73-1	1,3-Dichlorobenzene	5.8	U
106-46-7	1,4-Dichlorobenzene	5.8	U
104-51-8	n-Butylbenzene	5.8	U
95-50-1	1,2-Dichlorobenzene	5.8	U
91-20-3	Naphthalene	2.0	J
110-75-8	2-Chloroethyl vinyl ether	5.8	U

EL
3/12/12

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AOC1-CS-3

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-07B

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1M4518.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 14 Date Analyzed: 11/17/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

EL
3/12/12

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AOC1-CS-3ME

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-07B

Sample wt/vol: 5.40 (g/mL) G Lab File ID: V6I4077.D

Level: (TRACE/LOW/MED) MED Date Received: 11/17/2011

% Moisture: not dec. 14 Date Analyzed: 11/19/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	310	U
75-01-4	Vinyl chloride	450	
74-83-9	Bromomethane	310	U
75-00-3	Chloroethane	310	U
75-69-4	Trichlorofluoromethane	310	U
75-35-4	1,1-Dichloroethene	310	U
67-64-1	Acetone	310	U
75-15-0	Carbon disulfide	310	U
75-09-2	Methylene chloride	310	U
156-60-5	trans-1,2-Dichloroethene	310	U
1634-04-4	Methyl tert-butyl ether	310	U
75-34-3	1,1-Dichloroethane	310	U
108-05-4	Vinyl acetate	310	U
78-93-3	2-Butanone	310	U
156-59-2	cis-1,2-Dichloroethene	3300	
67-66-3	Chloroform	310	U
71-55-6	1,1,1-Trichloroethane	310	U
56-23-5	Carbon tetrachloride	310	U
107-06-2	1,2-Dichloroethane	310	U
71-43-2	Benzene	310	U
79-01-6	Trichloroethene	1800	
78-87-5	1,2-Dichloropropane	310	U
75-27-4	Bromodichloromethane	310	U
10061-01-5	cis-1,3-Dichloropropene	310	U
108-10-1	4-Methyl-2-pentanone	310	U
108-88-3	Toluene	310	U
10061-02-6	trans-1,3-Dichloropropene	310	U
79-00-5	1,1,2-Trichloroethane	310	U
127-18-4	Tetrachloroethene	310	U
591-78-6	2-Hexanone	310	U
124-48-1	Dibromochloromethane	310	U
108-90-7	Chlorobenzene	310	U
100-41-4	Ethylbenzene	310	U
1330-20-7	m,p-Xylene	310	U
95-47-6	o-Xylene	310	U

EL 3/12/12

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AOC1-CS-3ME

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-07B

Sample wt/vol: 5.40 (g/mL) G Lab File ID: V6I4077.D

Level: (TRACE/LOW/MED) MED Date Received: 11/17/2011

% Moisture: not dec. 14 Date Analyzed: 11/19/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	310	U
100-42-5	Styrene	310	U
75-25-2	Bromoform	310	U
98-82-8	Isopropylbenzene	310	U
79-34-5	1,1,2,2-Tetrachloroethane	310	U
103-65-1	n-Propylbenzene	310	U
108-67-8	1,3,5-Trimethylbenzene	310	U
98-06-6	tert-Butylbenzene	310	U
95-63-6	1,2,4-Trimethylbenzene	310	U
135-98-8	sec-Butylbenzene	310	U
99-87-6	4-Isopropyltoluene	310	U
541-73-1	1,3-Dichlorobenzene	310	U
106-46-7	1,4-Dichlorobenzene	310	U
104-51-8	n-Butylbenzene	310	U
95-50-1	1,2-Dichlorobenzene	310	U
91-20-3	Naphthalene	190	J
110-75-8	2-Chloroethyl vinyl ether	310	U

EL
3/12/12

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AOC1-CS-3ME

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-07B

Sample wt/vol: 5.40 (g/mL) G Lab File ID: V6I4077.D

Level: (TRACE or LOW/MED) MED Date Received: 11/17/2011

% Moisture: not dec. 14 Date Analyzed: 11/19/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

EL
3/12/12

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WCS-111611-1

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-08B

Sample wt/vol: 5.50 (g/mL) G Lab File ID: V1M4569.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 11 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	5.1	U
75-01-4	Vinyl chloride	5.1	U
74-83-9	Bromomethane	5.1	U
75-00-3	Chloroethane	5.1	U
75-69-4	Trichlorofluoromethane	5.1	U
75-35-4	1,1-Dichloroethene	5.1	U
67-64-1	Acetone	6.7	J
75-15-0	Carbon disulfide	5.1	U
75-09-2	Methylene chloride	5.1	U
156-60-5	trans-1,2-Dichloroethene	5.1	U
1634-04-4	Methyl tert-butyl ether	5.1	U
75-34-3	1,1-Dichloroethane	5.1	U
108-05-4	Vinyl acetate	5.1	U
78-93-3	2-Butanone	5.1	U
156-59-2	cis-1,2-Dichloroethene	24	
67-66-3	Chloroform	5.1	U
71-55-6	1,1,1-Trichloroethane	5.1	U
56-23-5	Carbon tetrachloride	5.1	U
107-06-2	1,2-Dichloroethane	5.1	U
71-43-2	Benzene	5.1	U
79-01-6	Trichloroethene	75	
78-87-5	1,2-Dichloropropane	5.1	U
75-27-4	Bromodichloromethane	5.1	U
10061-01-5	cis-1,3-Dichloropropene	5.1	U
108-10-1	4-Methyl-2-pentanone	5.1	U
108-88-3	Toluene	4.9	~~BJ~~ U
10061-02-6	trans-1,3-Dichloropropene	5.1	U
79-00-5	1,1,2-Trichloroethane	5.1	U
127-18-4	Tetrachloroethene	1.1	J
591-78-6	2-Hexanone	5.1	U
124-48-1	Dibromochloromethane	5.1	U
108-90-7	Chlorobenzene	5.1	U
100-41-4	Ethylbenzene	5.1	U
1330-20-7	m,p-Xylene	5.1	U
95-47-6	o-Xylene	5.1	U

EL
3/12/12

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WCS-111611-1

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-08B

Sample wt/vol: 5.50 (g/mL) G Lab File ID: V1M4569.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 11 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	5.1	U
100-42-5	Styrene	5.1	U
75-25-2	Bromoform	5.1	U
98-82-8	Isopropylbenzene	5.1	U
79-34-5	1,1,2,2-Tetrachloroethane	5.1	U
103-65-1	n-Propylbenzene	5.1	U
108-67-8	1,3,5-Trimethylbenzene	5.1	U
98-06-6	tert-Butylbenzene	5.1	U
95-63-6	1,2,4-Trimethylbenzene	5.1	U
135-98-8	sec-Butylbenzene	5.1	U
99-87-6	4-Isopropyltoluene	5.1	U
541-73-1	1,3-Dichlorobenzene	5.1	U
106-46-7	1,4-Dichlorobenzene	5.1	U
104-51-8	n-Butylbenzene	5.1	U
95-50-1	1,2-Dichlorobenzene	5.1	U
91-20-3	Naphthalene	5.1	U
110-75-8	2-Chloroethyl vinyl ether	5.1	~~U~~ R

EL
3/12/12

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WCS-111611-1

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-08B

Sample wt/vol: 5.50 (g/mL) G Lab File ID: V1M4569.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 11 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	493-02-7	Naphthalene, decahydro-, tra	13.347	18	NJ
02		Unknown (13.49452)	13.495	14	J
03		Unknown (14.06580)	14.066	23	J
04		Unknown (14.30218)	14.302	12	J
05	112-95-8	Eicosane	14.696	13	NJ
06		Unknown (14.73557)	14.736	16	J
07		Unknown (14.91287)	14.913	21	J
08		Unknown (15.13940)	15.139	12	J
09		Unknown (15.36593)	15.366	13	J
10		Unknown (15.49398)	15.494	15	J

[1]EPA-designated Registry Number.

EL
3/12/12

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEATHERED RX PIECES

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428TCLP

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: K2428-01B

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6I4275.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. Date Analyzed: 11/29/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl chloride	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	11	
67-66-3	Chloroform	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	0.57	J
79-01-6	Trichloroethene	100	
127-18-4	Tetrachloroethene	1.6	J
108-90-7	Chlorobenzene	1.2	~~BJ~~ U

EL
3/12/12

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WCS-111611-1

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428TCLP

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: K2428-08C

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8A8001.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. Date Analyzed: 11/22/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl chloride	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	7.3	
127-18-4	Tetrachloroethene	5.0	U
108-90-7	Chlorobenzene	5.0	U

EL
3/12/12

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CLASS 1 PILE-DRY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-02A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S3H7206.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 8.2 Decanted: (Y/N) N Date Received: 11/17/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/17/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/18/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	350	U
111-44-4	Bis(2-chloroethyl)ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
111-91-1	Bis(2-chloroethoxy)methane	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	720	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	720	U
131-11-3	Dimethylphthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	720	U
83-32-9	Acenaphthene	350	U
51-28-5	2,4-Dinitrophenol	720	U
100-02-7	4-Nitrophenol	720	U
132-64-9	Dibenzofuran	350	U

EL
3/12/12

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CLASS 1 PILE-DRY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-02A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S3H7206.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 8.2 Decanted: (Y/N) N Date Received: 11/17/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/17/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/18/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	74	J
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-01-6	4-Nitroaniline	720	U
534-52-1	4,6-Dinitro-2-methylphenol	720	U
86-30-6	N-Nitrosodiphenylamine	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	720	U
85-01-8	Phenanthrene	460	
120-12-7	Anthracene	140	J
86-74-8	Carbazole	350	U
84-74-2	Di-n-butylphthalate	100	J
206-44-0	Fluoranthene	1500	
129-00-0	Pyrene	1200	
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo(a)anthracene	760	
218-01-9	Chrysene	740	
117-81-7	Bis(2-ethylhexyl)phthalate	140	J
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo(b)fluoranthene	940	
207-08-9	Benzo(k)fluoranthene	350	J
50-32-8	Benzo(a)pyrene	650	
193-39-5	Indeno(1,2,3-cd)pyrene	360	
53-70-3	Dibenzo(a,h)anthracene	130	J
191-24-2	Benzo(g,h,i)perylene	410	

EL
3/12/12

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

CLASS 1 PILE-DRY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-02A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S3H7206.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 8.2 Decanted: (Y/N) N Date Received: 11/17/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/17/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/18/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown (4.18913)	4.189	620	J
02		Unknown (5.11867)	5.119	380	J
03	57-10-3	n-Hexadecanoic acid	7.736	1000	NJ
04	112-84-5	13-Docosenamide, (Z)-	10.055	1100	NJ

[2] EPA-designated Registry Number.

EL
3/12/12

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CLASS 1 PILE-WET

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-03A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S3H7207.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 11/17/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/17/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/18/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
111-44-4	Bis(2-chloroethyl)ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
111-91-1	Bis(2-chloroethoxy)methane	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	UJ
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	770	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	770	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	110	J
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	770	U
83-32-9	Acenaphthene	80	J
51-28-5	2,4-Dinitrophenol	770	U
100-02-7	4-Nitrophenol	770	U
132-64-9	Dibenzofuran	380	U

EL 3/12/12

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CLASS 1 PILE-WET

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-03A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S3H7207.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 11/17/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/17/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/18/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	77	J
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	110	J
100-01-6	4-Nitroaniline	770	U
534-52-1	4,6-Dinitro-2-methylphenol	770	U
86-30-6	N-Nitrosodiphenylamine	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	770	U
85-01-8	Phenanthrene	560	
120-12-7	Anthracene	200	J
86-74-8	Carbazole	380	U
84-74-2	Di-n-butylphthalate	120	J
206-44-0	Fluoranthene	1200	
129-00-0	Pyrene	940	
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	630	
218-01-9	Chrysene	620	
117-81-7	Bis(2-ethylhexyl)phthalate	370	J
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	740	
207-08-9	Benzo(k)fluoranthene	420	
50-32-8	Benzo(a)pyrene	570	
193-39-5	Indeno(1,2,3-cd)pyrene	330	J
53-70-3	Dibenzo(a,h)anthracene	120	J
191-24-2	Benzo(g,h,i)perylene	390	

EL
3/12/12

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

CLASS 1 PILE-WET

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-03A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S3H7207.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 11/17/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/17/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/18/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown (4.20458)	4.205	710	J
02	143-07-7	Dodecanoic acid	6.261	350	NJ
03	57-10-3	n-Hexadecanoic acid	7.741	2000	NJ
04	57-11-4	Octadecanoic acid	8.377	410	NJ
05	112-84-5	13-Docosenamide, (Z)-	10.054	1300	NJ
06		Unknown (10.32665)	10.327	790	J
07	36728-72-0	28-Nor-17.beta.(H)-hopane	10.781	460	NJ

[2] EPA-designated Registry Number.

EL
3/12/12

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC1-CS-1

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-05A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S3H7208.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 12 Decanted: (Y/N) N Date Received: 11/17/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/17/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/18/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	370	U
111-44-4	Bis(2-chloroethyl)ether	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2´-oxybis(1-Chloropropane)	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
111-91-1	Bis(2-chloroethoxy)methane	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	UJ
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	760	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	760	U
131-11-3	Dimethylphthalate	370	U
208-96-8	Acenaphthylene	190	J
606-20-2	2,6-Dinitrotoluene	370	U
99-09-2	3-Nitroaniline	760	U
83-32-9	Acenaphthene	370	U
51-28-5	2,4-Dinitrophenol	760	U
100-02-7	4-Nitrophenol	760	U
132-64-9	Dibenzofuran	87	J

EL
3/12/12

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC1-CS-1

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-05A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S3H7208.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 12 Decanted: (Y/N) N Date Received: 11/17/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/17/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/18/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
86-73-7	Fluorene	120	J
100-01-6	4-Nitroaniline	760	U
534-52-1	4,6-Dinitro-2-methylphenol	760	U
86-30-6	N-Nitrosodiphenylamine	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	760	U
85-01-8	Phenanthrene	740	
120-12-7	Anthracene	210	J
86-74-8	Carbazole	370	U
84-74-2	Di-n-butylphthalate	120	J
206-44-0	Fluoranthene	1700	
129-00-0	Pyrene	1500	
85-68-7	Butylbenzylphthalate	81	J
91-94-1	3,3´-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	1000	
218-01-9	Chrysene	1000	
117-81-7	Bis(2-ethylhexyl)phthalate	990	
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	1300	
207-08-9	Benzo(k)fluoranthene	660	
50-32-8	Benzo(a)pyrene	1000	
193-39-5	Indeno(1,2,3-cd)pyrene	590	
53-70-3	Dibenzo(a,h)anthracene	270	J
191-24-2	Benzo(g,h,i)perylene	710	

EL
3/12/12

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

AOC1-CS-1

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-05A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S3H7208.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 12 Decanted: (Y/N) N Date Received: 11/17/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/17/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/18/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown (4.35865)	4.359	640	J
02	112-40-3	Dodecane	4.444	870	NJ
03	17301-23-4	Undecane, 2,6-dimethyl-	4.524	590	NJ
04	26730-14-3	Tridecane, 7-methyl-	4.877	980	NJ
05	629-50-5	Tridecane	5.037	1300	NJ
06	5617-41-4	Heptylcyclohexane	5.277	450	NJ
07		Unknown (5.42173)	5.422	540	J
08	629-59-4	Tetradecane	5.545	1000	NJ
09	629-62-9	Pentadecane	5.993	700	NJ
10	143-07-7	Dodecanoic acid	6.260	380	NJ
11		Unknown (6.59167)	6.592	330	J
12	1921-70-6	Pentadecane, 2,6,10,14-tetra	6.816	550	NJ
13	57-10-3	n-Hexadecanoic acid	7.740	1300	NJ
14	112-95-8	Eicosane	7.858	430	NJ
15		Unknown (8.05007)	8.050	310	J
16	112-84-5	13-Docosenamide, (Z)-	10.064	1200	NJ
17		Unknown (10.79058)	10.791	610	J

[2]EPA-designated Registry Number.

EL
3/12/12

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC1-CS-2

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-06A

Sample wt/vol: 15.5 (g/mL) G Lab File ID: S3H7210.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 8.7 Decanted: (Y/N) N Date Received: 11/17/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/17/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/18/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	350	U
111-44-4	Bis(2-chloroethyl)ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
111-91-1	Bis(2-chloroethoxy)methane	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	UJ
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	710	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	710	U
131-11-3	Dimethylphthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	710	U
83-32-9	Acenaphthene	350	U
51-28-5	2,4-Dinitrophenol	710	U
100-02-7	4-Nitrophenol	710	U
132-64-9	Dibenzofuran	350	U

EL 3/12/12

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC1-CS-2

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-06A

Sample wt/vol: 15.5 (g/mL) G Lab File ID: S3H7210.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 8.7 Decanted: (Y/N) N Date Received: 11/17/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/17/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/18/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-01-6	4-Nitroaniline	710	U
534-52-1	4,6-Dinitro-2-methylphenol	710	U
86-30-6	N-Nitrosodiphenylamine	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	710	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
86-74-8	Carbazole	350	U
84-74-2	Di-n-butylphthalate	87	J
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo(a)anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	Bis(2-ethylhexyl)phthalate	120	J
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo(b)fluoranthene	350	U
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenzo(a,h)anthracene	350	U
191-24-2	Benzo(g,h,i)perylene	350	U

EC
3/12/12

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

AOC1-CS-2

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-06A

Sample wt/vol: 15.5 (g/mL) G Lab File ID: S3H7210.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 8.7 Decanted: (Y/N) N Date Received: 11/17/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/17/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/18/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown (4.22318)	4.223	600	J
02		Unknown (4.38345)	4.383	280	J
03		Unknown (5.12600)	5.126	400	J
04	57-10-3	n-Hexadecanoic acid	7.749	1200	NJ
05	57-11-4	Octadecanoic acid	8.379	330	NJ
06	301-02-0	9-Octadecenamide, (Z)-	8.967	340	NJ
07	112-84-5	13-Docosenamide, (Z)-	10.062	1800	NJ

[2] EPA-designated Registry Number.

EL
3/13/12

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC1-CS-3

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-07A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S3H7209.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 11/17/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/17/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/18/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
111-44-4	Bis(2-chloroethyl)ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	440	
106-47-8	4-Chloroaniline	380	U
111-91-1	Bis(2-chloroethoxy)methane	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	320	J
77-47-4	Hexachlorocyclopentadiene	380	UJ
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	770	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	770	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	390	
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	770	U
83-32-9	Acenaphthene	1100	
51-28-5	2,4-Dinitrophenol	770	U
100-02-7	4-Nitrophenol	770	U
132-64-9	Dibenzofuran	880	

EL 3/12/12

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC1-CS-3

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-07A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S3H7209.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 11/17/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/17/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/18/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	1500	
100-01-6	4-Nitroaniline	770	U
534-52-1	4,6-Dinitro-2-methylphenol	770	U
86-30-6	N-Nitrosodiphenylamine	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	770	U
85-01-8	Phenanthrene	9900	E
120-12-7	Anthracene	3100	
86-74-8	Carbazole	1200	
84-74-2	Di-n-butylphthalate	140	J
206-44-0	Fluoranthene	12000	E
129-00-0	Pyrene	12000	E
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	8100	E
218-01-9	Chrysene	6100	
117-81-7	Bis(2-ethylhexyl)phthalate	450	
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	5700	
207-08-9	Benzo(k)fluoranthene	4700	
50-32-8	Benzo(a)pyrene	5600	
193-39-5	Indeno(1,2,3-cd)pyrene	3100	
53-70-3	Dibenzo(a,h)anthracene	1800	
191-24-2	Benzo(g,h,i)perylene	3500	

EL
3/12/12

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

AOC1-CS-3

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-07A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S3H7209.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 11/17/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/17/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/18/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	132-65-0	Dibenzothiophene	7.085	1300	NJ
02		Unknown (7.59832)	7.598	1600	J
03	2531-84-2	Phenanthrene, 2-methyl-	7.620	2300	NJ
04	832-69-9	Phenanthrene, 1-methyl-	7.657	1300	NJ
05	203-64-5	4H-Cyclopenta[def]phenanthre	7.684	530	NJ
06	35465-71-5	2-Phenylnaphthalene	7.849	330	NJ
07	243-17-4	11H-Benzo[b]fluorene	8.640	910	NJ
08		Unknown (8.69347)	8.693	570	J
09	2381-21-7	Pyrene, 1-methyl-	8.720	400	NJ
10		Unknown (8.98727)	8.987	320	J
11	479-79-8	11H-Benzo[a]fluoren-11-one	9.051	350	NJ
12	205-43-6	Benzo[b]naphtho[1,2-d]thioph	9.137	340	NJ
13		Unknown (9.16357)	9.164	500	J
14	2498-77-3	Benz[a]anthracene, 1-methyl-	9.676	400	NJ
15	112-84-5	13-Docosenamide, (Z)-	10.077	2300	NJ
16		Unknown (10.37088)	10.371	2700	J

[2] EPA-designated Registry Number.

EL
3/13/12

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC1-CS-3DL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-07ADL

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S3H7512.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 11/17/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/17/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/18/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 4.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1500	U
111-44-4	Bis(2-chloroethyl)ether	1500	U
95-57-8	2-Chlorophenol	1500	U
541-73-1	1,3-Dichlorobenzene	1500	U
106-46-7	1,4-Dichlorobenzene	1500	U
95-50-1	1,2-Dichlorobenzene	1500	U
95-48-7	2-Methylphenol	1500	U
108-60-1	2,2´-oxybis(1-Chloropropane)	1500	U
106-44-5	4-Methylphenol	1500	U
621-64-7	N-Nitroso-di-n-propylamine	1500	U
67-72-1	Hexachloroethane	1500	U
98-95-3	Nitrobenzene	1500	U
78-59-1	Isophorone	1500	U
88-75-5	2-Nitrophenol	1500	U
105-67-9	2,4-Dimethylphenol	1500	U
120-83-2	2,4-Dichlorophenol	1500	U
120-82-1	1,2,4-Trichlorobenzene	1500	U
91-20-3	Naphthalene	430	DJ
106-47-8	4-Chloroaniline	1500	U
111-91-1	Bis(2-chloroethoxy)methane	1500	U
87-68-3	Hexachlorobutadiene	1500	U
59-50-7	4-Chloro-3-methylphenol	1500	U
91-57-6	2-Methylnaphthalene	310	DJ
77-47-4	Hexachlorocyclopentadiene	1500	U
88-06-2	2,4,6-Trichlorophenol	1500	U
95-95-4	2,4,5-Trichlorophenol	3100	U
91-58-7	2-Chloronaphthalene	1500	U
88-74-4	2-Nitroaniline	3100	U
131-11-3	Dimethylphthalate	1500	U
208-96-8	Acenaphthylene	380	DJ
606-20-2	2,6-Dinitrotoluene	1500	U
99-09-2	3-Nitroaniline	3100	U
83-32-9	Acenaphthene	1000	DJ
51-28-5	2,4-Dinitrophenol	3100	U
100-02-7	4-Nitrophenol	3100	U
132-64-9	Dibenzofuran	860	DJ

EL 3/12/12

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC1-CS-3DL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-07ADL

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S3H7512.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 11/17/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/17/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/18/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 4.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	1500	U
84-66-2	Diethylphthalate	1500	U
7005-72-3	4-Chlorophenyl-phenylether	1500	U
86-73-7	Fluorene	1400	DJ
100-01-6	4-Nitroaniline	3100	U
534-52-1	4,6-Dinitro-2-methylphenol	3100	U
86-30-6	N-Nitrosodiphenylamine	1500	U
101-55-3	4-Bromophenyl-phenylether	1500	U
118-74-1	Hexachlorobenzene	1500	U
87-86-5	Pentachlorophenol	3100	U
85-01-8	Phenanthrene	11000	D
120-12-7	Anthracene	3100	D
86-74-8	Carbazole	1200	DJ
84-74-2	Di-n-butylphthalate	1500	U
206-44-0	Fluoranthene	15000	D
129-00-0	Pyrene	13000	D
85-68-7	Butylbenzylphthalate	1500	U
91-94-1	3,3'-Dichlorobenzidine	1500	U
56-55-3	Benzo(a)anthracene	7600	D
218-01-9	Chrysene	7800	D
117-81-7	Bis(2-ethylhexyl)phthalate	400	DJ
117-84-0	Di-n-octylphthalate	1500	U
205-99-2	Benzo(b)fluoranthene	8200	D
207-08-9	Benzo(k)fluoranthene	3900	D
50-32-8	Benzo(a)pyrene	5900	D
193-39-5	Indeno(1,2,3-cd)pyrene	3100	D
53-70-3	Dibenzo(a,h)anthracene	1000	DJ
191-24-2	Benzo(g,h,i)perylene	3500	D

EL 3/12/12

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

AOC1-CS-3DL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-07ADL

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S3H7512.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 11/17/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/17/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/18/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 4.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	613-12-7	Anthracene, 2-methyl-	7.616	1500	DNJ
02	203-64-5	4H-Cyclopenta[def]phenanthre	7.674	2300	DNJ
03	35465-71-5	2-Phenylnaphthalene	7.845	1400	DNJ
04	2381-21-7	Pyrene, 1-methyl-	8.625	1800	DNJ
05	112-84-5	13-Docosenamide, (Z)-	10.062	1300	DNJ

[2] EPA-designated Registry Number.

EL
3/12/12

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CLASS 1 PILE-DRY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-02A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E5H4818F.D/E5H4818R.D

% Moisture: 8.2 Decanted: (Y/N) N Date Received: 11/17/2011

Extraction: (Type) SONC Date Extracted: 11/17/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/18/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4´-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4´-DDD	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
50-29-3	4,4´-DDT	3.6	U
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.6	U
7421-93-4	Endrin aldehyde	3.6	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U

EL
3/12/12

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CLASS 1 PILE-WET

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-03A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: E5H4819F.D/E5H4819R.D

% Moisture: 14 Decanted: (Y/N) N Date Received: 11/17/2011

Extraction: (Type) SONC Date Extracted: 11/17/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/18/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.8	U
72-55-9	4,4´-DDE	3.8	U
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4´-DDD	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4´-DDT	3.9	
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	3.8	U
7421-93-4	Endrin aldehyde	3.8	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U

EL
3/12/12

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC1-CS-1

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-05A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E5H4820F.D/E5H4820R.D

% Moisture: 12 Decanted: (Y/N) N Date Received: 11/17/2011

Extraction: (Type) SONC Date Extracted: 11/17/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/18/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	3.5	J
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.8	U
72-55-9	4,4´-DDE	3.8	U
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4´-DDD	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4´-DDT	12	
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.8	U
7421-93-4	Endrin aldehyde	3.8	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U

EL
3/12/12

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC1-CS-2

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-06A

Sample wt/vol: 30.5 (g/mL) G Lab File ID: E5H4821F.D/E5H4821R.D

% Moisture: 8.7 Decanted: (Y/N) N Date Received: 11/17/2011

Extraction: (Type) SONC Date Extracted: 11/17/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/18/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4´-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4´-DDD	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
50-29-3	4,4´-DDT	3.6	U
72-43-5	Methoxychlor	18	U
53494-70-5	Endrin ketone	3.6	U
7421-93-4	Endrin aldehyde	3.6	U
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	1.8	U
8001-35-2	Toxaphene	180	U

EL
3/12/12

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC1-CS-3

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-07A

Sample wt/vol: 30.4 (g/mL) G Lab File ID: E5H4822F.D/E5H4822R.D

% Moisture: 14 Decanted: (Y/N) N Date Received: 11/17/2011

Extraction: (Type) SONC Date Extracted: 11/17/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/18/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	4.0	J
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	2.7	~~P~~J
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.8	U
72-55-9	4,4´-DDE	3.8	U
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4´-DDD	3.8	U
1031-07-8	Endosulfan sulfate	4.3	~~P~~J
50-29-3	4,4´-DDT	11	J
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	8.6	~~P~~J
7421-93-4	Endrin aldehyde	8.4	
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U

EL
3/13/12

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WCS-111611-1

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-08A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: E5H4823F.D/E5H4823R.D

% Moisture: 11 Decanted: (Y/N) N Date Received: 11/17/2011

Extraction: (Type) SONC Date Extracted: 11/17/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/18/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4´-DDE	3.7	U
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4´-DDD	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4´-DDT	4.7	~~PJ~~
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.7	U
7421-93-4	Endrin aldehyde	3.7	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U

EL
3/12/12

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CLASS 1 PILE-DRY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-02A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E4G8094F.D/E4G8094R.D

% Moisture: 8.2 Decanted: (Y/N) N Date Received: 11/17/2011

Extraction: (Type) SONC Date Extracted: 11/17/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/18/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	36	U
11104-28-2	Aroclor-1221	36	U
11141-16-5	Aroclor-1232	36	U
53469-21-9	Aroclor-1242	36	U
12672-29-6	Aroclor-1248	36	U
11097-69-1	Aroclor-1254	36	U
11096-82-5	Aroclor-1260	36	UJ

EL
3/12/12

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CLASS 1 PILE-WET

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-03A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: E4G8095F.D/E4G8095R.D

% Moisture: 14 Decanted: (Y/N) N Date Received: 11/17/2011

Extraction: (Type) SONC Date Extracted: 11/17/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/18/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	38	U
11104-28-2	Aroclor-1221	38	U
11141-16-5	Aroclor-1232	38	U
53469-21-9	Aroclor-1242	38	U
12672-29-6	Aroclor-1248	38	U
11097-69-1	Aroclor-1254	38	U
11096-82-5	Aroclor-1260	38	UJ

EL
3/12/12

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC1-CS-1

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-05A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E4G8096F.D/E4G8096R.D

% Moisture: 12 Decanted: (Y/N) N Date Received: 11/17/2011

Extraction: (Type) SONC Date Extracted: 11/17/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/18/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	38	U
11104-28-2	Aroclor-1221	38	U
11141-16-5	Aroclor-1232	38	U
53469-21-9	Aroclor-1242	38	U
12672-29-6	Aroclor-1248	38	U
11097-69-1	Aroclor-1254	38	U
11096-82-5	Aroclor-1260	82	~~P~~ J

EC
3/12/12

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC1-CS-2

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-06A

Sample wt/vol: 30.5 (g/mL) G Lab File ID: E4G8097F.D/E4G8097R.D

% Moisture: 8.7 Decanted: (Y/N) N Date Received: 11/17/2011

Extraction: (Type) SONC Date Extracted: 11/17/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/18/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	36	U
11104-28-2	Aroclor-1221	36	U
11141-16-5	Aroclor-1232	36	U
53469-21-9	Aroclor-1242	36	U
12672-29-6	Aroclor-1248	36	U
11097-69-1	Aroclor-1254	36	U
11096-82-5	Aroclor-1260	36	UJ

EL
3/12/12

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC1-CS-3

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-07A

Sample wt/vol: 30.4 (g/mL) G Lab File ID: E4G8098F.D/E4G8098R.D

% Moisture: 14 Decanted: (Y/N) N Date Received: 11/17/2011

Extraction: (Type) SONC Date Extracted: 11/17/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/18/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	38	U
11104-28-2	Aroclor-1221	38	U
11141-16-5	Aroclor-1232	38	U
53469-21-9	Aroclor-1242	38	U
12672-29-6	Aroclor-1248	38	U
11097-69-1	Aroclor-1254	38	U
11096-82-5	Aroclor-1260	42	~~P~~ J

EL
3/12/12

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WCS-111611-1

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-08A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: E4G8099F.D/E4G8099R.D

% Moisture: 11 Decanted: (Y/N) N Date Received: 11/17/2011

Extraction: (Type) SONC Date Extracted: 11/17/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/18/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	37	U
11104-28-2	Aroclor-1221	37	U
11141-16-5	Aroclor-1232	37	U
53469-21-9	Aroclor-1242	37	U
12672-29-6	Aroclor-1248	37	U
11097-69-1	Aroclor-1254	37	U
11096-82-5	Aroclor-1260	37	UJ

EL
3/12/12

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

CLASS 1 PILE-DRY

Lab Name: Spectrum Analytical, Inc. Contract: 208492

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK2428

Matrix (soil/water): SOIL Lab Sample ID: K2428-02

Level (low/med): MED Date Received: 11/17/2011

% Solids: 91.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4120			P
7440-36-0	Antimony	0.53	~~B~~	U	P
7440-38-2	Arsenic	3.0			P
7440-39-3	Barium	42.4			P
7440-41-7	Beryllium	0.23	~~B~~	J	P
7440-43-9	Cadmium	0.28			P
7440-70-2	Calcium	75400			P
7440-47-3	Chromium	6.9			P
7440-48-4	Cobalt	3.2			P
7440-50-8	Copper	20.5			P
7439-89-6	Iron	9270			P
7439-92-1	Lead	22.1			P
7439-95-4	Magnesium	32000			P
7439-96-5	Manganese	377			P
7439-97-6	Mercury	0.023	~~B~~	J	CV
7440-02-0	Nickel	8.0			P
7440-09-7	Potassium	858			P
7782-49-2	Selenium	0.65	U		P
7440-22-4	Silver	0.065	U		P
7440-23-5	Sodium	128			P
7440-28-0	Thallium	0.52	~~B~~	J	P
7440-62-2	Vanadium	10.1			P
7440-66-6	Zinc	67.9			P

EL
3/13/12

Comments:

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

CLASS 1 PILE-WET

Lab Name: Spectrum Analytical, Inc. Contract: 208492

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK2428

Matrix (soil/water): SOIL Lab Sample ID: K2428-03

Level (low/med): MED Date Received: 11/17/2011

% Solids: 86.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3920			P
7440-36-0	Antimony	0.59	~~B~~ U		P
7440-38-2	Arsenic	4.4			P
7440-39-3	Barium	58.1			P
7440-41-7	Beryllium	0.27			P
7440-43-9	Cadmium	0.38			P
7440-70-2	Calcium	112000			P
7440-47-3	Chromium	8.9			P
7440-48-4	Cobalt	3.4			P
7440-50-8	Copper	26.6			P
7439-89-6	Iron	10400			P
7439-92-1	Lead	39.5			P
7439-95-4	Magnesium	38500			P
7439-96-5	Manganese	335			P
7439-97-6	Mercury	0.043			CV
7440-02-0	Nickel	8.8			P
7440-09-7	Potassium	1170			P
7782-49-2	Selenium	0.70	U		P
7440-22-4	Silver	0.070	U		P
7440-23-5	Sodium	192			P
7440-28-0	Thallium	0.24	U		P
7440-62-2	Vanadium	9.4			P
7440-66-6	Zinc	77.2			P

EL
3/12/12

Comments:

Data Usability Summary Report (DUSR)

690 St. Paul Street
Labella Project #208492

Spectrum Analytical, Inc., Warwick, RI
Sample Delivery Group #K2450
March 13, 2012

Prepared by:
Ethan Lee
LaBella Associates, P.C.
300 State St
Rochester, NY 14614

Analytical results for the project samples were reviewed to evaluate the data usability. Data was assessed in accordance with guidance from the following Federal and/or State guidance documents:

- USEPA National Functional Guidelines for Organic Data Review (EPA 540/R-99/008) and/or USEPA National Functional Guidelines for Low Concentration Organic Data Review (EPA 540-R-04-004).
- USEPA National Functional Guidelines for Inorganic Data Review (EPA 540/R-04-004).

And method protocol criteria were applicable as prescribed by "Test Methods for Evaluating Solid Waste", SW846, Update III, 1996.

This DUSR pertains to the following samples:

Sample ID	Lab ID	Matrix	Sample Date	Analysis Performed				
				VOC[1]	SVOC[2]	Pest.[3]	PCB[4]	Metals[5]/ Mercury[6]
AOC-1-CS-4	K2450-01	SOIL	11/17/11	X	X	X	X	
AOC-1-CS-5	K2450-02	SOIL	11/17/11	X	X	X	X	
WCS-111711-1	K2450-03	SOIL	11/17/11	X		X	X	

(1) VOC analyses were performed using USEPA Method SW846 8260B.
(2) SVOC analyses were performed using USEPA Method SW846 8270C.
(3) Pesticide analyses were performed using USEPA Method SW846 8081B.
(4) PCB analyses were performed using USEPA Method SW846 8082A.
(5) TAL Metals analyses were performed using USEPA Method SW846 6010B.
(6) Soil Mercury analyses were performed using USEPA Method SW846 7471B. Aqueous Mercury analyses were performed using USEPA Method SW846 7470A.

The following items/criteria applicable to the analysis of project samples and associated QA/QC procedures were reviewed:

- Sample Data Reporting Format
- Preservation and Holding Time Compliance
- GC/MS Instrument Performance Check
- Initial Calibration Verification (ICV)
- Continuing Calibration Verification (CCV)
- Blank Sample Analysis
- System Monitoring/Surrogate Compound Recoveries
- Laboratory Control Sample (LCS) Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries
- Internal Standards
- Target Compound Identification
- Compound Quantitation
- Data Qualifiers
- Summary

Volatile Organic Compounds (VOCs)

Sample Data Reporting Format

The sample data are presented using USEPA Contract Laboratory Protocol (CLP) format. The data package has been reviewed for completeness and found to contain each required sample result and associated QA/QC report form. The reporting format is complete and compliant with the objectives of the project. No qualification of the data is recommended.

Preservation and Holding Time Compliance

Maximum allowable holding times for each parameter were measured from the time of sample collection to the time of sample preparation or analysis for each project sample. All project samples were found to be properly preserved or analyzed within the USEPA recommended maximum holding time, without exception. No qualification of the data is recommended.

Gas Chromatography/Mass Spectrometry (GC/MS) Instrument Performance Check

GC/MS instrument performance checks for the instruments used in the analysis of project samples fell within method specific criteria without exception. No qualification of the data is recommended.

Initial Calibration Verification (ICV)

Initial calibration checks for the instruments used in the analysis of project samples fell within the method specific criteria with the following exceptions.

Instrument	Date/ Time	Target Analyte(s)	%RSD	RRF	Corrective Action	Affected Sample(s)
V1	11/16/11 14:34	Tetrachloroethene 2-Chloroethyl vinyl ether	24.5 24.2	0.58 0.003	Action #1 Action #2	AOC-1-CS-4 AOC-1-CS-5 WCS-111711-1

Action #1: Positive results are qualified "J", estimated and nondetected analytes as "UJ", estimated detection limit.
Action #2: Positive results are qualified "J", estimated and nondetected analytes as "R", rejected.

Continuing Calibration Verification (CCV)

Continuing calibration checks for the instruments used in the analysis of project samples fell within the method specific criteria, with the following exceptions:

Instrument	Date/ Time	Target Analyte(s)	%D	RRF	Corrective Action	Affected Sample(s)
V1	11/21/11 07:57	Acetone 2-Chloroethyl vinyl ether	48.9 40.8	0.03 0.005	Action #1 Action #2	AOC-1-CS-4 AOC-1-CS-5 WCS-111711-1

Action #1: Positive results are qualified "J", estimated and nondetected analytes as "UJ", estimated detection limit.
Action #2: Positive results are qualified "J", estimated and nondetected analytes as "R", rejected.

Blank Sample Analysis

In accordance with cited USEPA guidelines, positive sample results should be reported unless the concentration of the compound in the project sample is less than or equal to 10 times (10X) the amount in any blank for the common laboratory contaminants (methylene chloride, acetone, 2-butanone, cyclohexane), or 5 times (5X) the amount for other target compounds.

Target compounds were not identified in associated blank samples at a concentration above the MDL for organic parameter analyses, with the following exceptions:

Blank	**Target Analyte(s)**	**Conc.**	**Flag sample results with a "U" if ≤ this value**	**Affected Sample(s)**
MB-63220	Toluene	1.1 ug/kg	5.5 ug/kg	AOC-1-CS-4 AOC-1-CS-5 WCS-111711-1

System Monitoring/Surrogate Compound Recoveries

System monitoring/surrogate compound recoveries were within the laboratory specific criteria for the analysis of the project samples without exception. No qualification of the data is recommended.

Laboratory Control Sample (LCS) Recoveries

LCS recoveries were within the method specific criteria without exception. No qualification of the data is recommended.

Internal Standards (IS)

The calculated response of each IS compound fell within the QA/QC criteria without exception. No qualification of the data is recommended.

Compound Quantitation

Compound quantitation is performed to ensure that reported quantitation results are accurate. No qualification of the data is recommended.

Data Qualifiers

Data qualifiers were assigned by the laboratory to the reported results to identify target analytes detected below the reporting limit (RL) but above the method detection limit (MDL), and/or when target analytes were detected in the associated method/preparation blank sample. Based on a spot check of the data qualifiers used, these flags appeared to be applied to the reported results in accordance with USEPA guidance. The "J" qualifier, which indicates an estimated value because the result was between the RL and MDL, was carried forward.

Organic analyses samples that contained concentrations of target analytes at a reportable level in the associated method blanks were flagged by the laboratory with a "B". If the target analyte concentration was greater than 10X the amount in any blank for the common laboratory contaminants or 5X the amount for other target compounds, the "B" qualifier was not carried forward; if less than the 10X or 5X rule, the "B" qualifier was replaced with a "U".

Compounds detected at levels above the calibration range of the instrument were qualified "E" by the laboratory. The samples were then re-analyzed at a dilution to bring the concentration within the calibration range of the instrument. Both results were reported by the laboratory and the data validator used professional judgment to select the best result for reporting purposes.

Semivolatile Organic Compounds (SVOCs)

Sample Data Reporting Format

The sample data are presented using USEPA Contract Laboratory Protocol (CLP) format. The data package has been reviewed for completeness and found to contain each required sample result and associated QA/QC report form. The reporting format is complete and compliant with the objectives of the project. No qualification of the data is recommended.

Preservation and Holding Time Compliance

Maximum allowable holding times for each parameter were measured from the time of sample collection to the time of sample preparation or analysis for each project sample. All project samples were found to be properly preserved or analyzed within the USEPA recommended maximum holding time, without exception. No qualification of the data is recommended.

Gas Chromatography/Mass Spectrometry (GC/MS) Instrument Performance Check

GC/MS instrument performance checks for the instruments used in the analysis of project samples fell within method specific criteria without exception. No qualification of the data is recommended.

Initial Calibration Verification (ICV)

Initial calibration checks for the instruments used in the analysis of project samples fell within the method specific criteria without exception. No qualification of the data is recommended.

Continuing Calibration Verification (CCV)

Continuing calibration checks for the instruments used in the analysis of project samples fell within the method specific criteria without exception. No qualification of the data is recommended.

Blank Sample Analysis

In accordance with cited USEPA guidelines, positive sample results should be reported unless the concentration of the compound in the project sample is less than or equal to 5 times (5X) the amount in any blank.

Target compounds were not identified in associated blank samples at a concentration above the MDL for organic parameter analyses without exception. No qualification of the data is recommended.

System Monitoring/Surrogate Compound Recoveries

System monitoring/surrogate compound recoveries were within the laboratory specific criteria for the analysis of the project samples without exception. No qualification of the data is recommended.

Laboratory Control Sample (LCS) Recoveries

LCS recoveries were within the method specific criteria, with the following exceptions:

LCS ID	Compound	QC Criteria	LCS %R	Corrective Action	Affected Samples
LCS-63191	2-Methylnaphthalene	45-105	129	Action #1	AOC-1-CS-4 AOC-1-CS-5
LCSD-63191	2-Methylnaphthalene	45-105	129	Action #1	AOC-1-CS-4 AOC-1-CS-5

Action #1: Positive results are qualified "J", estimated and nondetected results should not be qualified.

Internal Standards (IS)

The calculated response of each IS compound fell within the QA/QC criteria without exception. No qualification of the data is recommended.

Compound Quantitation

Compound quantitation is performed to ensure that reported quantitation results are accurate. No qualification of the data is recommended.

Data Qualifiers

Data qualifiers were assigned by the laboratory to the reported results to identify target analytes detected below the reporting limit (RL) but above the method detection limit (MDL), and/or when target analytes were detected in the associated method/preparation blank sample. Based on a spot check of the data qualifiers used, these flags appeared to be applied to the reported results in accordance with USEPA guidance. The "J" qualifier, which indicates an estimated value because the result was between the RL and MDL, was carried forward.

Pesticides

Preservation and Holding Time Compliance

Maximum allowable holding times for each parameter were measured from the time of sample collection to the time of sample preparation or analysis for each project sample. All project samples were found to be properly preserved or analyzed within the USEPA recommended maximum holding time without exception. No qualification of the data is recommended.

Gas Chromatography/Mass Spectrometry (GC/MS) Instrument Performance Check

GC/MS instrument performance checks for the instruments used in the analysis of project samples fell within method specific criteria without exception. No qualification of the data is recommended.

Initial Calibration Verification (ICV)

Initial calibration checks for the instruments used in the analysis of project samples fell within the method specific criteria without exception. No qualification of the data is recommended.

Continuing Calibration Verification (CCV)

Continuing calibration checks for the instruments used in the analysis of project samples fell within the method specific criteria without exception. No qualification of the data is recommended.

Blank Sample Analysis

In accordance with cited USEPA guidelines, positive sample results should be reported unless the concentration of the compound in the project sample is less than or equal the amount in any blank. Target compounds were not identified in associated blank samples at a concentration above the MDL without exception. No qualification of the data is recommended.

System Monitoring/Surrogate Compound Recoveries

System monitoring/surrogate compound recoveries were within the laboratory specific criteria for the analysis of the project samples without exception. No qualification of the data is recommended.

Laboratory Control Sample (LCS) Recoveries

LCS recoveries were within the method specific criteria without exception. No qualification of the data is recommended.

Target Compound Identification

Target compounds that were detected in the project samples were detected in both GC columns at comparable concentrations that ensures no interfering analytes are present, with the following exceptions. For sample AOC-1-CS-5, the %Ds between the concentrations in the columns for 4,4'-DDT was above the method specified limit, indicating the possible presence of interfering analytes. The lower of the column concentrations is reported for these analytes and the results are qualified as "J", estimated.

Compound Quantitation

Compound quantitation is performed to ensure that reported quantitation results are accurate. No qualification of the data is recommended.

PCBs

Preservation and Holding Time Compliance

Maximum allowable holding times for each parameter were measured from the time of sample collection to the time of sample preparation or analysis for each project sample. All project samples were found to be properly preserved or analyzed within the USEPA recommended maximum holding time without exception. No qualification of the data is recommended.

Gas Chromatography/Mass Spectrometry (GC/MS) Instrument Performance Check

GC/MS instrument performance checks for the instruments used in the analysis of project samples fell within method specific criteria without exception. No qualification of the data is recommended.

Initial Calibration Verification (ICV)

Initial calibration checks for the instruments used in the analysis of project samples fell within the method specific criteria without exception. No qualification of the data is recommended.

Continuing Calibration Verification (CCV)

The mid-point calibration AR16603AH run on 11/21/11 at 08:56 had %Ds outside the method specified limits for Aroclor 1260 in Column 2, affecting all samples. Positive results for Aroclor 1260 were qualified as "J", estimated and nondetected results were qualified as "UJ", estimated detection limit.

Blank Sample Analysis

In accordance with cited USEPA guidelines, positive sample results should be reported unless the concentration of the compound in the project sample is less than or equal the amount in any blank. Target compounds were not identified in associated blank samples at a concentration above the MDL without exception. No qualification of the data is recommended.

System Monitoring/Surrogate Compound Recoveries

System monitoring/surrogate compound recoveries were within the laboratory specific criteria for the analysis of the project samples with the following exceptions.

Surrogate		Criteria (%)
Tetrachloro-m-xylene	S01	34-147
Decachlorobiphenyl	S02	60-125

Project Sample ID	S01 Col 1 %R	S01 Col 2 %R	S02 Col 1 %R	S02 Col 2 %R	Positive Results	Non Detect (ND)
AOC-1-CS-4	61	64	**57**	84	J	UJ
AOC-1-CS-5	60	64	**47**	95	J	UJ
WCS-111711-1	55	60	**48**	91	J	UJ

If the surrogate percent recovery is greater than the upper acceptance limit, associated target analyte positive results are qualified "J", estimated and nondetected analytes should not be qualified. If the surrogate percent recovery is less than the lower acceptance limit, associated target analyte positive results are qualified "J", estimated and nondetected analytes are qualified "UJ", estimated detection limit. All pesticide target analytes in the identified project samples that were analyzed on the specified column should be qualified as noted above.

Laboratory Control Sample (LCS) Recoveries

LCS and MS/MSD recoveries were within the method specific criteria without exception. No qualification of the data is recommended.

Target Compound Identification

Target compounds that were detected in the project samples were detected in both GC columns at comparable concentrations, ensuring no interfering analytes are present. No qualification of the data is recommended.

Compound Quantitation

Compound quantitation is performed to ensure that reported quantitation results are accurate. Compounds were quantitated correctly without exception.

Summary

The results presented in each report were found to be compliant with the data quality objectives for the project and usable. Based on our review, the usability of the data is 100%, with the few exceptions noted above.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC-1-CS-4

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-01B

Sample wt/vol: 5.30 (g/mL) G Lab File ID: V1M4575.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/18/2011

% Moisture: not dec. 8.9 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	5.2	U
75-01-4	Vinyl chloride	5.2	U
74-83-9	Bromomethane	5.2	U
75-00-3	Chloroethane	5.2	U
75-69-4	Trichlorofluoromethane	5.2	U
75-35-4	1,1-Dichloroethene	5.2	U
67-64-1	Acetone	5.2	UJ
75-15-0	Carbon disulfide	5.2	U
75-09-2	Methylene chloride	5.2	U
156-60-5	trans-1,2-Dichloroethene	5.2	U
1634-04-4	Methyl tert-butyl ether	5.2	U
75-34-3	1,1-Dichloroethane	5.2	U
108-05-4	Vinyl acetate	5.2	U
78-93-3	2-Butanone	5.2	U
156-59-2	cis-1,2-Dichloroethene	68	
67-66-3	Chloroform	5.2	U
71-55-6	1,1,1-Trichloroethane	5.2	U
56-23-5	Carbon tetrachloride	5.2	U
107-06-2	1,2-Dichloroethane	5.2	U
71-43-2	Benzene	5.2	U
~~79-01-6~~	~~Trichloroethene~~	~~430~~	~~E~~
78-87-5	1,2-Dichloropropane	5.2	U
75-27-4	Bromodichloromethane	5.2	U
10061-01-5	cis-1,3-Dichloropropene	5.2	U
108-10-1	4-Methyl-2-pentanone	5.2	U
108-88-3	Toluene	4.0	~~BJ~~ V
10061-02-6	trans-1,3-Dichloropropene	5.2	U
79-00-5	1,1,2-Trichloroethane	5.2	U
127-18-4	Tetrachloroethene	5.2	UJ
591-78-6	2-Hexanone	5.2	U
124-48-1	Dibromochloromethane	5.2	U
108-90-7	Chlorobenzene	5.2	U
100-41-4	Ethylbenzene	5.2	U
1330-20-7	m,p-Xylene	5.2	U
95-47-6	o-Xylene	5.2	U

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1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC-1-CS-4

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-01B

Sample wt/vol: 5.30 (g/mL) G Lab File ID: V1M4575.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/18/2011

% Moisture: not dec. 8.9 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	5.2	U
100-42-5	Styrene	5.2	U
75-25-2	Bromoform	5.2	U
98-82-8	Isopropylbenzene	5.2	U
79-34-5	1,1,2,2-Tetrachloroethane	5.2	U
103-65-1	n-Propylbenzene	5.2	U
108-67-8	1,3,5-Trimethylbenzene	5.2	U
98-06-6	tert-Butylbenzene	5.2	U
95-63-6	1,2,4-Trimethylbenzene	5.2	U
135-98-8	sec-Butylbenzene	5.2	U
99-87-6	4-Isopropyltoluene	5.2	U
541-73-1	1,3-Dichlorobenzene	5.2	U
106-46-7	1,4-Dichlorobenzene	5.2	U
104-51-8	n-Butylbenzene	5.2	U
95-50-1	1,2-Dichlorobenzene	5.2	U
91-20-3	Naphthalene	5.2	U
110-75-8	2-Chloroethyl vinyl ether	5.2	~~U~~ R

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1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

AOC-1-CS-4

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-01B

Sample wt/vol: 5.30 (g/mL) G Lab File ID: V1M4575.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/18/2011

% Moisture: not dec. 8.9 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

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1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC-1-CS-4ME

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-01B

Sample wt/vol: 5.50 (g/mL) G Lab File ID: V8A8214.D

Level: (TRACE/LOW/MED) MED Date Received: 11/18/2011

% Moisture: not dec. 8.9 Date Analyzed: 11/29/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	270	U
75-01-4	Vinyl chloride	270	U
74-83-9	Bromomethane	270	U
75-00-3	Chloroethane	270	U
75-69-4	Trichlorofluoromethane	270	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	270	U
75-15-0	Carbon disulfide	270	U
75-09-2	Methylene chloride	270	U
156-60-5	trans-1,2-Dichloroethene	270	U
1634-04-4	Methyl tert-butyl ether	270	U
75-34-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl acetate	270	U
78-93-3	2-Butanone	270	U
156-59-2	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
71-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon tetrachloride	270	U
107-06-2	1,2-Dichloroethane	270	U
71-43-2	Benzene	270	U
79-01-6	Trichloroethene	2100	
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-pentanone	270	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	270	U
79-00-5	1,1,2-Trichloroethane	270	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	270	U
124-48-1	Dibromochloromethane	270	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	270	U
1330-20-7	m,p-Xylene	270	U
95-47-6	o-Xylene	270	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC-1-CS-4ME

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-01B

Sample wt/vol: 5.50 (g/mL) G Lab File ID: V8A8214.D

Level: (TRACE/LOW/MED) MED Date Received: 11/18/2011

% Moisture: not dec. 8.9 Date Analyzed: 11/29/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	270	U
100-42-5	Styrene	270	U
75-25-2	Bromoform	270	U
98-82-8	Isopropylbenzene	270	U
79-34-5	1,1,2,2-Tetrachloroethane	270	U
103-65-1	n-Propylbenzene	270	U
108-67-8	1,3,5-Trimethylbenzene	270	U
98-06-6	tert-Butylbenzene	270	U
95-63-6	1,2,4-Trimethylbenzene	270	U
135-98-8	sec-Butylbenzene	270	U
99-87-6	4-Isopropyltoluene	270	U
541-73-1	1,3-Dichlorobenzene	270	U
106-46-7	1,4-Dichlorobenzene	270	U
104-51-8	n-Butylbenzene	270	U
95-50-1	1,2-Dichlorobenzene	270	U
91-20-3	Naphthalene	270	U
110-75-8	2-Chloroethyl vinyl ether	270	U

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1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

AOC-1-CS-4ME

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-01B

Sample wt/vol: 5.50 (g/mL) G Lab File ID: V8A8214.D

Level: (TRACE or LOW/MED) MED Date Received: 11/18/2011

% Moisture: not dec. 8.9 Date Analyzed: 11/29/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

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1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC-1-CS-5

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-02B

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1M4576.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/18/2011

% Moisture: not dec. 7.3 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	5.4	U
75-01-4	Vinyl chloride	5.4	U
74-83-9	Bromomethane	5.4	U
75-00-3	Chloroethane	5.4	U
75-69-4	Trichlorofluoromethane	5.4	U
75-35-4	1,1-Dichloroethene	5.4	U
67-64-1	Acetone	5.4	UJ
75-15-0	Carbon disulfide	5.4	U
75-09-2	Methylene chloride	5.4	U
156-60-5	trans-1,2-Dichloroethene	5.4	U
1634-04-4	Methyl tert-butyl ether	5.4	U
75-34-3	1,1-Dichloroethane	5.4	U
108-05-4	Vinyl acetate	5.4	U
78-93-3	2-Butanone	5.4	U
156-59-2	cis-1,2-Dichloroethene	7.0	
67-66-3	Chloroform	5.4	U
71-55-6	1,1,1-Trichloroethane	5.4	U
56-23-5	Carbon tetrachloride	5.4	U
107-06-2	1,2-Dichloroethane	5.4	U
71-43-2	Benzene	5.4	U
79-01-6	Trichloroethene	5.0	J
78-87-5	1,2-Dichloropropane	5.4	U
75-27-4	Bromodichloromethane	5.4	U
10061-01-5	cis-1,3-Dichloropropene	5.4	U
108-10-1	4-Methyl-2-pentanone	5.4	U
108-88-3	Toluene	3.7	BJ V
10061-02-6	trans-1,3-Dichloropropene	5.4	U
79-00-5	1,1,2-Trichloroethane	5.4	U
127-18-4	Tetrachloroethene	5.4	UJ
591-78-6	2-Hexanone	5.4	U
124-48-1	Dibromochloromethane	5.4	U
108-90-7	Chlorobenzene	5.4	U
100-41-4	Ethylbenzene	5.4	U
1330-20-7	m,p-Xylene	5.4	U
95-47-6	o-Xylene	5.4	U

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1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC-1-CS-5

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-02B

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1M4576.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/18/2011

% Moisture: not dec. 7.3 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	5.4	U
100-42-5	Styrene	5.4	U
75-25-2	Bromoform	5.4	U
98-82-8	Isopropylbenzene	5.4	U
79-34-5	1,1,2,2-Tetrachloroethane	5.4	U
103-65-1	n-Propylbenzene	5.4	U
108-67-8	1,3,5-Trimethylbenzene	5.4	U
98-06-6	tert-Butylbenzene	5.4	U
95-63-6	1,2,4-Trimethylbenzene	5.4	U
135-98-8	sec-Butylbenzene	5.4	U
99-87-6	4-Isopropyltoluene	5.4	U
541-73-1	1,3-Dichlorobenzene	5.4	U
106-46-7	1,4-Dichlorobenzene	5.4	U
104-51-8	n-Butylbenzene	5.4	U
95-50-1	1,2-Dichlorobenzene	5.4	U
91-20-3	Naphthalene	5.4	U
110-75-8	2-Chloroethyl vinyl ether	5.4	~~U~~ R

EL
3/13/12

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

AOC-1-CS-5

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-02B

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1M4576.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/18/2011

% Moisture: not dec. 7.3 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	11.852	14	J

[1]EPA-designated Registry Number.

EL
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1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WCS-111711-1

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-03B

Sample wt/vol: 4.70 (g/mL) G Lab File ID: V1M4577.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/18/2011

% Moisture: not dec. 9.4 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	5.9	U
75-01-4	Vinyl chloride	2.0	J
74-83-9	Bromomethane	5.9	U
75-00-3	Chloroethane	5.9	U
75-69-4	Trichlorofluoromethane	5.9	U
75-35-4	1,1-Dichloroethene	5.9	U
67-64-1	Acetone	14	J
75-15-0	Carbon disulfide	5.9	U
75-09-2	Methylene chloride	5.9	U
156-60-5	trans-1,2-Dichloroethene	5.9	U
1634-04-4	Methyl tert-butyl ether	5.9	U
75-34-3	1,1-Dichloroethane	5.9	U
108-05-4	Vinyl acetate	5.9	U
78-93-3	2-Butanone	5.9	U
156-59-2	cis-1,2-Dichloroethene	57	
67-66-3	Chloroform	5.9	U
71-55-6	1,1,1-Trichloroethane	5.9	U
56-23-5	Carbon tetrachloride	5.9	U
107-06-2	1,2-Dichloroethane	5.9	U
71-43-2	Benzene	5.9	U
79-01-6	Trichloroethene	130	
78-87-5	1,2-Dichloropropane	5.9	U
75-27-4	Bromodichloromethane	5.9	U
10061-01-5	cis-1,3-Dichloropropene	5.9	U
108-10-1	4-Methyl-2-pentanone	5.9	U
108-88-3	Toluene	5.2	~~BJ~~ U
10061-02-6	trans-1,3-Dichloropropene	5.9	U
79-00-5	1,1,2-Trichloroethane	5.9	U
127-18-4	Tetrachloroethene	5.9	UJ
591-78-6	2-Hexanone	5.9	U
124-48-1	Dibromochloromethane	5.9	U
108-90-7	Chlorobenzene	5.9	U
100-41-4	Ethylbenzene	1.7	J
1330-20-7	m,p-Xylene	5.5	J
95-47-6	o-Xylene	4.4	J

EL 3/13/12

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WCS-111711-1

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-03B

Sample wt/vol: 4.70 (g/mL) G Lab File ID: V1M4577.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/18/2011

% Moisture: not dec. 9.4 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	9.9	
100-42-5	Styrene	5.9	U
75-25-2	Bromoform	5.9	U
98-82-8	Isopropylbenzene	5.9	U
79-34-5	1,1,2,2-Tetrachloroethane	5.9	U
103-65-1	n-Propylbenzene	5.9	U
108-67-8	1,3,5-Trimethylbenzene	5.9	U
98-06-6	tert-Butylbenzene	5.9	U
95-63-6	1,2,4-Trimethylbenzene	5.9	U
135-98-8	sec-Butylbenzene	5.9	U
99-87-6	4-Isopropyltoluene	5.9	U
541-73-1	1,3-Dichlorobenzene	5.9	U
106-46-7	1,4-Dichlorobenzene	5.9	U
104-51-8	n-Butylbenzene	5.9	U
95-50-1	1,2-Dichlorobenzene	5.9	U
91-20-3	Naphthalene	2.0	J
110-75-8	2-Chloroethyl vinyl ether	5.9	UR

EL
3/07/12

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

WCS-111711-1

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-03B

Sample wt/vol: 4.70 (g/mL) G Lab File ID: V1M4577.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/18/2011

% Moisture: not dec. 9.4 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

EL
3/13/12

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WCS-111711-1

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: K2450-03C

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8A8002.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/18/2011

% Moisture: not dec. Date Analyzed: 11/22/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl chloride	0.89	J
75-35-4	1,1-Dichloroethene	5.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	31	
127-18-4	Tetrachloroethene	5.0	U
108-90-7	Chlorobenzene	5.0	U

EL
3/13/12

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

WCS-111711-1

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: K2450-03C

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8A8002.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/18/2011

% Moisture: not dec. Date Analyzed: 11/22/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

EL
3/13/12

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC-1-CS-4

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-01A

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3H7228.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 8.9 Decanted: (Y/N) N Date Received: 11/18/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/20/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/21/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	360	U
111-44-4	Bis(2-chloroethyl)ether	360	U
95-57-8	2-Chlorophenol	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
95-50-1	1,2-Dichlorobenzene	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	2,2´-oxybis(1-Chloropropane)	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-di-n-propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
120-83-2	2,4-Dichlorophenol	360	U
120-82-1	1,2,4-Trichlorobenzene	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
111-91-1	Bis(2-chloroethoxy)methane	360	U
87-68-3	Hexachlorobutadiene	360	U
59-50-7	4-Chloro-3-methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	740	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	740	U
131-11-3	Dimethylphthalate	360	U
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	360	U
99-09-2	3-Nitroaniline	740	U
83-32-9	Acenaphthene	360	U
51-28-5	2,4-Dinitrophenol	740	U
100-02-7	4-Nitrophenol	740	U
132-64-9	Dibenzofuran	360	U

EL 3/13/12

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC-1-CS-4

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-01A

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3H7228.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 8.9 Decanted: (Y/N) N Date Received: 11/18/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/20/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/21/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
86-73-7	Fluorene	360	U
100-01-6	4-Nitroaniline	740	U
534-52-1	4,6-Dinitro-2-methylphenol	740	U
86-30-6	N-Nitrosodiphenylamine	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	740	U
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
86-74-8	Carbazole	360	U
84-74-2	Di-n-butylphthalate	360	U
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	360	U
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	360	U
56-55-3	Benzo(a)anthracene	360	U
218-01-9	Chrysene	360	U
117-81-7	Bis(2-ethylhexyl)phthalate	360	U
117-84-0	Di-n-octylphthalate	360	U
205-99-2	Benzo(b)fluoranthene	360	U
207-08-9	Benzo(k)fluoranthene	360	U
50-32-8	Benzo(a)pyrene	360	U
193-39-5	Indeno(1,2,3-cd)pyrene	360	U
53-70-3	Dibenzo(a,h)anthracene	360	U
191-24-2	Benzo(g,h,i)perylene	360	U

EL
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1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

AOC-1-CS-4

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-01A

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3H7228.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 8.9 Decanted: (Y/N) N Date Received: 11/18/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/20/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/21/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	4.980	370	J
02	57-10-3	n-Hexadecanoic acid	7.683	670	NJ
03	112-84-5	13-Docosenamide, (Z)-	9.996	370	NJ

[2]EPA-designated Registry Number.

EL
3/13/12

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC-1-CS-5

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-02A

Sample wt/vol: 15.5 (g/mL) G Lab File ID: S3H7227.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 7.3 Decanted: (Y/N) N Date Received: 11/18/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/20/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/21/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	340	U
111-44-4	Bis(2-chloroethyl)ether	340	U
95-57-8	2-Chlorophenol	340	U
541-73-1	1,3-Dichlorobenzene	340	U
106-46-7	1,4-Dichlorobenzene	340	U
95-50-1	1,2-Dichlorobenzene	340	U
95-48-7	2-Methylphenol	340	U
108-60-1	2,2´-oxybis(1-Chloropropane)	340	U
106-44-5	4-Methylphenol	340	U
621-64-7	N-Nitroso-di-n-propylamine	340	U
67-72-1	Hexachloroethane	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U
120-83-2	2,4-Dichlorophenol	340	U
120-82-1	1,2,4-Trichlorobenzene	340	U
91-20-3	Naphthalene	340	U
106-47-8	4-Chloroaniline	340	U
111-91-1	Bis(2-chloroethoxy)methane	340	U
87-68-3	Hexachlorobutadiene	340	U
59-50-7	4-Chloro-3-methylphenol	340	U
91-57-6	2-Methylnaphthalene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorophenol	700	U
91-58-7	2-Chloronaphthalene	340	U
88-74-4	2-Nitroaniline	700	U
131-11-3	Dimethylphthalate	340	U
208-96-8	Acenaphthylene	340	U
606-20-2	2,6-Dinitrotoluene	340	U
99-09-2	3-Nitroaniline	700	U
83-32-9	Acenaphthene	340	U
51-28-5	2,4-Dinitrophenol	700	U
100-02-7	4-Nitrophenol	700	U
132-64-9	Dibenzofuran	340	U

EL
3/13/12

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC-1-CS-5

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-02A

Sample wt/vol: 15.5 (g/mL) G Lab File ID: S3H7227.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 7.3 Decanted: (Y/N) N Date Received: 11/18/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/20/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/21/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	340	U
84-66-2	Diethylphthalate	340	U
7005-72-3	4-Chlorophenyl-phenylether	340	U
86-73-7	Fluorene	340	U
100-01-6	4-Nitroaniline	700	U
534-52-1	4,6-Dinitro-2-methylphenol	700	U
86-30-6	N-Nitrosodiphenylamine	340	U
101-55-3	4-Bromophenyl-phenylether	340	U
118-74-1	Hexachlorobenzene	340	U
87-86-5	Pentachlorophenol	280	J
85-01-8	Phenanthrene	77	J
120-12-7	Anthracene	340	U
86-74-8	Carbazole	340	U
84-74-2	Di-n-butylphthalate	340	U
206-44-0	Fluoranthene	130	J
129-00-0	Pyrene	130	J
85-68-7	Butylbenzylphthalate	340	U
91-94-1	3,3'-Dichlorobenzidine	340	U
56-55-3	Benzo(a)anthracene	76	J
218-01-9	Chrysene	82	J
117-81-7	Bis(2-ethylhexyl)phthalate	71	J
117-84-0	Di-n-octylphthalate	340	U
205-99-2	Benzo(b)fluoranthene	79	J
207-08-9	Benzo(k)fluoranthene	340	U
50-32-8	Benzo(a)pyrene	340	U
193-39-5	Indeno(1,2,3-cd)pyrene	340	U
53-70-3	Dibenzo(a,h)anthracene	340	U
191-24-2	Benzo(g,h,i)perylene	340	U

EL
3/13/12

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

AOC-1-CS-5

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-02A

Sample wt/vol: 15.5 (g/mL) G Lab File ID: S3H7227.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 7.3 Decanted: (Y/N) N Date Received: 11/18/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/20/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/21/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	4.981	340	J
02	13798-23-7	Sulfur	6.055	820	NJ
03	57-10-3	n-Hexadecanoic acid	7.679	570	NJ

[2] EPA-designated Registry Number.

EL
3/13/12

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC-1-CS-4

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-01A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: E5H4877F.D/E5H4877R.D

% Moisture: 8.9 Decanted: (Y/N) N Date Received: 11/18/2011

Extraction: (Type) SONC Date Extracted: 11/20/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/21/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4´-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4´-DDD	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
50-29-3	4,4´-DDT	3.6	U
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.6	U
7421-93-4	Endrin aldehyde	3.6	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U

EL
3/13/12

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC-1-CS-5

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-02A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: E5H4878F.D/E5H4878R.D

% Moisture: 7.3 Decanted: (Y/N) N Date Received: 11/18/2011

Extraction: (Type) SONC Date Extracted: 11/20/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/21/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.5	U
72-55-9	4,4´-DDE	3.5	U
72-20-8	Endrin	3.5	U
33213-65-9	Endosulfan II	3.5	U
72-54-8	4,4´-DDD	3.5	U
1031-07-8	Endosulfan sulfate	3.5	U
50-29-3	4,4´-DDT	4.5	PJ
72-43-5	Methoxychlor	18	U
53494-70-5	Endrin ketone	3.5	U
7421-93-4	Endrin aldehyde	3.5	U
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	1.8	U
8001-35-2	Toxaphene	180	U

EL
3/13/12

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WCS-111711-1

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-03A

Sample wt/vol: 30.3 (g/mL) G Lab File ID: E5H4879F.D/E5H4879R.D

% Moisture: 9.4 Decanted: (Y/N) N Date Received: 11/18/2011

Extraction: (Type) SONC Date Extracted: 11/20/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/21/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4´-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4´-DDD	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
50-29-3	4,4´-DDT	3.6	U
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.6	U
7421-93-4	Endrin aldehyde	3.6	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U

EL
3/13/12

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC-1-CS-4

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-01A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: E4G8131F.D/E4G8131R.D

% Moisture: 8.9 Decanted: (Y/N) N Date Received: 11/18/2011

Extraction: (Type) SONC Date Extracted: 11/20/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/21/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	36	U
11104-28-2	Aroclor-1221	36	U
11141-16-5	Aroclor-1232	36	U
53469-21-9	Aroclor-1242	36	U
12672-29-6	Aroclor-1248	36	U
11097-69-1	Aroclor-1254	36	U
11096-82-5	Aroclor-1260	36	UJ

EL
3/13/12

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC-1-CS-5

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-02A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: E4G8132F.D/E4G8132R.D

% Moisture: 7.3 Decanted: (Y/N) N Date Received: 11/18/2011

Extraction: (Type) SONC Date Extracted: 11/20/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/21/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	35	U
11104-28-2	Aroclor-1221	35	U
11141-16-5	Aroclor-1232	35	U
53469-21-9	Aroclor-1242	35	U
12672-29-6	Aroclor-1248	35	U
11097-69-1	Aroclor-1254	35	U
11096-82-5	Aroclor-1260	35	UJ

EL
3/13/12

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WCS-111711-1

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-03A

Sample wt/vol: 30.3 (g/mL) G Lab File ID: E4G8133F.D/E4G8133R.D

% Moisture: 9.4 Decanted: (Y/N) N Date Received: 11/18/2011

Extraction: (Type) SONC Date Extracted: 11/20/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/21/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	36	U
11104-28-2	Aroclor-1221	36	U
11141-16-5	Aroclor-1232	36	U
53469-21-9	Aroclor-1242	36	U
12672-29-6	Aroclor-1248	36	U
11097-69-1	Aroclor-1254	36	U
11096-82-5	Aroclor-1260	36	UJ

EL
3/13/12

Data Usability Summary Report (DUSR)

690 St. Paul Street
Labella Project #208492

Paradigm Environmental Services, Inc., Rochester, NY
Sample Delivery Group #5141A, 5230A, 5314A
March 19, 2012

Prepared by:
Ethan Lee
LaBella Associates, P.C.
300 State St
Rochester, NY 14614

Analytical results for the project samples were reviewed to evaluate the data usability. Data was assessed in accordance with guidance from the following Federal and/or State guidance documents:

- USEPA National Functional Guidelines for Organic Data Review (EPA 540/R-99/008) and/or USEPA National Functional Guidelines for Low Concentration Organic Data Review (EPA 540-R-04-004).

And method protocol criteria were applicable as prescribed by "Test Methods for Evaluating Solid Waste", SW846, Update III, 1996.

This DUSR pertains to the following samples:

Sample ID	Lab ID	Matrix	Sample Date	Analysis Performed				
				VOC[1]	SVOC[2]	Pest.[3]	PCB[4]	Metals[5]/ Mercury[6]
CS-6	17006	SOIL	11/29/11	X	X	X	X	
CS-7	17007	SOIL	11/29/11	X	X	X	X	
AOC1-CS-8	17276	SOIL	12/2/11	X	X	X	X	
AOC1-CS-9	17277	SOIL	12/2/11	X	X	X	X	
CS-10	17510	SOIL	12/7/11	X				

(1) VOC analyses were performed using USEPA Method SW846 8260B.
(2) SVOC analyses were performed using USEPA Method SW846 8270C.
(3) Pesticide analyses were performed using USEPA Method SW846 8081B.
(4) PCB analyses were performed using USEPA Method SW846 8082A.
(5) TAL Metals analyses were performed using USEPA Method SW846 6010B.
(6) Soil Mercury analyses were performed using USEPA Method SW846 7471B. Aqueous Mercury analyses were performed using USEPA Method SW846 7470A.

The following items/criteria applicable to the analysis of project samples and associated QA/QC procedures were reviewed:

- Sample Data Reporting Format
- Preservation and Holding Time Compliance
- GC/MS Instrument Performance Check
- Initial Calibration Verification (ICV)
- Continuing Calibration Verification (CCV)
- Blank Sample Analysis
- System Monitoring/Surrogate Compound Recoveries
- Laboratory Control Sample (LCS) Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries
- Internal Standards
- Target Compound Identification
- Compound Quantitation

- Data Qualifiers
- Summary

Volatile Organic Compounds (VOCs)

Sample Data Reporting Format

The sample data are presented using USEPA Contract Laboratory Protocol (CLP) format. The data package has been reviewed for completeness and found to contain each required sample result and associated QA/QC report form. The reporting format is complete and compliant with the objectives of the project. No qualification of the data is recommended.

Preservation and Holding Time Compliance

Maximum allowable holding times for each parameter were measured from the time of sample collection to the time of sample preparation or analysis for each project sample. All project samples were found to be properly analyzed within the USEPA recommended maximum holding time, without exception. All samples were received by the laboratory at temperatures that exceed the recommended temperature range. However, all samples were received by the laboratory within 6 hours of sampling, so no qualification of the data is recommended.

Gas Chromatography/Mass Spectrometry (GC/MS) Instrument Performance Check

GC/MS instrument performance checks for the instruments used in the analysis of project samples fell within method specific criteria without exception. No qualification of the data is recommended.

Initial Calibration Verification (ICV)

Initial calibration checks for the instruments used in the analysis of project samples fell within the method specific criteria with the following exceptions.

Instrument	Date/ Time	Target Analyte(s)	%RSD	RRF	Corrective Action	Affected Sample(s)
Inst. #1	11/21/11 16:05	Bromomethane Trichlorofluoromethane Acetone	22.1 22.1 88.2	0.14 0.44 0.13	Action #1 Action #1 Action #1	CS-6 CS-7 AOC1-CS-8 AOC1-CS-9
Inst. #1	12/9/11 07:30	Acetone Methylene Chloride	133.0 110.2	0.12 0.48	Action #1 Action #1	CS-10

Action #1: Positive results are qualified "J", estimated and nondetected analytes as "UJ", estimated detection limit.

Continuing Calibration Verification (CCV)

Continuing calibration checks for the instruments used in the analysis of project samples fell within the method specific criteria, with the following exceptions:

Instrument	Date/ Time	Target Analyte(s)	%D	RRF	Corrective Action	Affected Sample(s)
Inst. #1	11/29/11 12:07	Methylene chloride 2-Chloroethyl vinyl ether	58.1 64.1	0.26 0.01	Action #1 Action #2	CS-6 CS-7
Inst. #1	12/2/11 10:19	Methylene Chloride 2-Chloroethyl vinyl ether	54.5 79.5	0.28 0.008	Action #1 Action #2	AOC1-CS-8 AOC1-CS-9
Inst. #1	12/8/11 18:28	Acetone Methylene Chloride 2-Chloroethyl vinyl ether	58.3 48.4 0.0	0.05 0.25 0.003	Action #1 Action #1 Action #2	CS-10

Action #1: Positive results are qualified "J", estimated and nondetected analytes as "UJ", estimated detection limit.
Action #2: Positive results are qualified "J", estimated and nondetected results are qualified as "R", rejected.

Blank Sample Analysis

In accordance with cited USEPA guidelines, positive sample results should be reported unless the concentration of the compound in the project sample is less than or equal to 10 times (10X) the amount in any blank for the common laboratory contaminants (methylene chloride, acetone, 2-butanone, cyclohexane), or 5 times (5X) the amount for other target compounds.

Target compounds were not identified in associated blank samples at a concentration above the MDL for organic parameter analyses, with the following exceptions:

Blank	**Target Analyte(s)**	**Conc.**	**Flag sample results with a "U" if ≤ this value**	**Affected Sample(s)**
LRB 12/02	Acetone	14.7 ug/kg	147 ug/kg	AOC1-CS-8 AOC1-CS-9
LRB 12/08	Acetone	11.5 ug/kg	115 ug/kg	CS-10

System Monitoring/Surrogate Compound Recoveries

System monitoring/surrogate compound recoveries were within the laboratory specific criteria for the analysis of the project samples, with the following exceptions:

Surrogate		Criteria (%)
Pentafluorobenzene	S01	89.5-117
1,2-Dichloroethane-d4	S02	63.6-106
Toluene-d8	S03	85.0-106
4-Bromofluorobenzene	S04	78.8-99.4

Project Sample ID	S01	S02	S03	S04	Positive Results	Non Detect (ND)
	%R	%R	%R	%R		
CS-6	**86.4**	77.4	**82.2**	**75.7**	J	UJ
AOC1-CS-8	**80.1**	79.7	**81.7**	**76.8**	J	UJ
CS-10	94.0	90.3	**83.4**	**75.0**	J	UJ

If the surrogate percent recovery is greater than the upper acceptance limit, associated target analyte positive results are qualified "J", estimated and nondetected analytes should not be qualified. If the surrogate percent recovery is less than the lower acceptance limit, associated target analyte positive results are qualified "J", estimated and nondetected analytes are qualified "UJ", estimated detection limit. All VOC target analytes in the identified project samples should be qualified as noted above.

Laboratory Control Sample (LCS) Recoveries

LCS recoveries were within the method specific criteria without exception. No qualification of the data is recommended.

Internal Standards (IS)

The calculated response of each IS compound fell within the QA/QC criteria without exception. No qualification of the data is recommended.

Compound Quantitation

Compound quantitation is performed to ensure that reported quantitation results are accurate. No qualification of the data is recommended.

Data Qualifiers

Data qualifiers were assigned by the laboratory to the reported results to identify target analytes detected below the reporting limit (RL) but above the method detection limit (MDL), and/or when target analytes were detected in the associated method/preparation blank sample. Based on a spot check of the data qualifiers used, these flags appeared to be applied to the reported results in accordance with USEPA guidance. The "J" qualifier, which indicates an estimated value because the result was between the RL and MDL, was carried forward.

Organic analyses samples that contained concentrations of target analytes at a reportable level in the associated method blanks were flagged by the laboratory with a "B". If the target analyte concentration was greater than 10X the amount in any blank for the common laboratory contaminants or 5X the amount for other target compounds, the "B" qualifier was not carried forward; if less than the 10X or 5X rule, the "B" qualifier was replaced with a "U".

Semivolatile Organic Compounds (SVOCs)

Sample Data Reporting Format

The sample data are presented using USEPA Contract Laboratory Protocol (CLP) format. The data package has been reviewed for completeness and found to contain each required sample result and associated QA/QC report form. The reporting format is complete and compliant with the objectives of the project. No qualification of the data is recommended.

Preservation and Holding Time Compliance

Maximum allowable holding times for each parameter were measured from the time of sample collection to the time of sample preparation or analysis for each project sample. All project samples were found to be properly analyzed within the USEPA recommended maximum holding time, without exception. All samples were received by the laboratory at temperatures that exceed the recommended temperature range. However, all samples were received by the laboratory within 6 hours of sampling, so no qualification of the data is recommended.

Gas Chromatography/Mass Spectrometry (GC/MS) Instrument Performance Check

GC/MS instrument performance checks for the instruments used in the analysis of project samples fell within method specific criteria without exception. No qualification of the data is recommended.

Initial Calibration Verification (ICV)

Initial calibration checks for the instruments used in the analysis of project samples fell within the method specific criteria with the following exceptions.

Inst.	Date/ Time	Target Analyte(s)	%RSD	RRF	Corrective Action	Affected Sample(s)
73SVOA	11/28/11 08:42	Benzoic Acid	43.6	0.17	Action #1	CS-6
		Pentachlorophenol	22.3	0.14	Action #1	CS-7
		Benzidine	28.8	0.38	Action #1	AOC1-CS-8
						AOC1-CS-9

Action #1: Positive results are qualified "J", estimated and nondetected analytes as "UJ", estimated detection limit.

Continuing Calibration Verification (CCV)

Continuing calibration checks for the instruments used in the analysis of project samples fell within the method specific criteria, with the following exceptions:

Inst.	Date/ Time	Target Analyte(s)	%D	RRF	Corrective Action	Affected Sample(s)
73SVOA	12/5/11 11:12	Bis(2-chloroisopropyl) ether	-33.8	1.9	Action #1	AOC1-CS-8
						AOC1-CS-9

Action #1: Positive results are qualified "J", estimated and nondetected analytes as "UJ", estimated detection limit.

Blank Sample Analysis

In accordance with cited USEPA guidelines, positive sample results should be reported unless the concentration of the compound in the project sample is less than or equal to 5 times (5X) the amount in any blank.

Target compounds were not identified in associated blank samples at a concentration above the MDL for organic parameter analyses without exception. No qualification of the data is recommended.

System Monitoring/Surrogate Compound Recoveries

System monitoring/surrogate compound recoveries were within the laboratory specific criteria for the analysis of the project samples, with the following exceptions:

Surrogate		Criteria (%)
2-Fluorophenol	S01	51.2-85.5
Phenol-d5	S02	55.2-89.8
Nitrobenzene-d5	S03	62.0-93.6
2-Fluorobiphenyl	S04	62.2-99.3
2,4,6-Tribromophenol	S05	56.4-110
Terphenyl-d14	S06	65.4-109

Project Sample ID	S01	S02	S03	S04	S05	S06	Positive Results	Non Detect (ND)
	%R	%R	%R	%R	%R	%R		
CS-7	**50.4**	65.8	68.3	71.2	**47.4**	83.2	J	UJ

If the surrogate percent recovery is greater than the upper acceptance limit, associated target analyte positive results are qualified "J", estimated and nondetected analytes should not be qualified. If the surrogate percent recovery is less than the lower acceptance limit, associated target analyte positive results are qualified "J", estimated and nondetected analytes are qualified "UJ", estimated detection limit. All SVOC target analytes in the identified project samples should be qualified as noted above.

Laboratory Control Sample (LCS) Recoveries

LCS recoveries were within the method specific criteria without exception. No qualification of the data is recommended.

Internal Standards (IS)

The calculated response of each IS compound fell within the QA/QC criteria without exception. No qualification of the data is recommended.

Compound Quantitation

Compound quantitation is performed to ensure that reported quantitation results are accurate. No qualification of the data is recommended.

Data Qualifiers

Data qualifiers were assigned by the laboratory to the reported results to identify target analytes detected below the reporting limit (RL) but above the method detection limit (MDL), and/or when target analytes were detected in the associated method/preparation blank sample. Based on a spot check of the data qualifiers used, these flags appeared to be applied to the reported results in accordance with USEPA guidance. The "J" qualifier, which indicates an estimated value because the result was between the RL and MDL, was carried forward.

Pesticides

Preservation and Holding Time Compliance

Maximum allowable holding times for each parameter were measured from the time of sample collection to the time of sample preparation or analysis for each project sample. All project samples were found to be properly analyzed within the USEPA recommended maximum holding time, without exception. All samples were received by the laboratory at temperatures that exceed the recommended temperature range. However, all samples were received by the laboratory within 6 hours of sampling, so no qualification of the data is recommended.

Gas Chromatography/Mass Spectrometry (GC/MS) Instrument Performance Check

GC/MS instrument performance checks for the instruments used in the analysis of project samples fell within method specific criteria without exception. No qualification of the data is recommended.

Initial Calibration Verification (ICV)

Initial calibration checks for the instruments used in the analysis of project samples fell within the method specific criteria without exception. No qualification of the data is recommended.

Continuing Calibration Verification (CCV)

Continuing calibration checks for the instruments used in the analysis of project samples fell within the method specific criteria without exception. No qualification of the data is recommended.

Blank Sample Analysis

In accordance with cited USEPA guidelines, positive sample results should be reported unless the concentration of the compound in the project sample is less than or equal the amount in any blank. Target compounds were not identified in associated blank samples at a concentration above the MDL without exception. No qualification of the data is recommended.

System Monitoring/Surrogate Compound Recoveries

System monitoring/surrogate compound recoveries were within the laboratory specific criteria for the analysis of the project samples, with the following exceptions:

Surrogate		Criteria (%)
Tetrachloro-m-xylene	S01	45.5-113
Decachlorobiphenyl	S02	43.3-111

Project Sample ID	S01	S02	Positive	Non Detect
	%R	%R	Results	(ND)
AOC1-CS-8	**35.1**	52.3	J	UJ

If the surrogate percent recovery is greater than the upper acceptance limit, associated target analyte positive results are qualified "J", estimated and nondetected analytes should not be qualified. If the surrogate percent recovery is less than the lower acceptance limit, associated target analyte positive results are qualified "J", estimated and nondetected analytes are qualified "UJ", estimated detection limit. All pesticide target analytes in the identified project samples should be qualified as noted above.

Laboratory Control Sample (LCS) Recoveries

LCS recoveries were within the method specific criteria without exception. No qualification of the data is recommended.

Target Compound Identification

Target compounds that were detected in the project samples were detected in both GC columns at comparable concentrations that ensures no interfering analytes are present, with the following exceptions. For sample CS-7, the %Ds between the concentrations in the columns for 4,4'-DDT were above the method specified limit, indicating the possible presence of interfering analytes. The lower of the column concentrations is reported for these analytes and the results are qualified as "J", estimated.

Internal Standards (IS)

The calculated response of each IS compound fell within the QA/QC criteria, with the following exceptions:

Internal Standard		Range
1-Bromo-2-nitrobenzene	IS1	98831-296492

Project Sample ID	IS #	IS Result	Positive Results	Non Detect (ND)
AOC1-CS-8	IS1	316896	J	No Qual
AOC1-CS-9	IS1	297998	J	No Qual

If the internal standard result is greater than the upper acceptance limit, associated target analyte positive results are qualified "J", estimated and nondetected analytes should not be qualified. If the internal standard result is less than the lower acceptance limit, associated target analyte positive results are qualified "J", estimated and nondetected analytes are qualified "UJ", estimated detection limit. All pesticide target analytes in the identified project samples should be qualified as noted above.

Compound Quantitation

Compound quantitation is performed to ensure that reported quantitation results are accurate. No qualification of the data is recommended.

Data Qualifiers

Data qualifiers were assigned by the laboratory to the reported results to identify target analytes detected below the reporting limit (RL) but above the method detection limit (MDL), and/or when target analytes were detected in the associated method/preparation blank sample. Based on a spot check of the data qualifiers used, these flags appeared to be applied to the reported results in accordance with USEPA guidance. The "J" qualifier, which indicates an estimated value because the result was between the RL and MDL, was carried forward.

PCBs

Preservation and Holding Time Compliance

Maximum allowable holding times for each parameter were measured from the time of sample collection to the time of sample preparation or analysis for each project sample. All project samples were found to be properly analyzed within the USEPA recommended maximum holding time, without exception. All samples were received by the laboratory at temperatures

that exceed the recommended temperature range. However, all samples were received by the laboratory within 6 hours of sampling, so no qualification of the data is recommended.

Gas Chromatography/Mass Spectrometry (GC/MS) Instrument Performance Check

GC/MS instrument performance checks for the instruments used in the analysis of project samples fell within method specific criteria without exception. No qualification of the data is recommended.

Initial Calibration Verification (ICV)

Initial calibration checks for the instruments used in the analysis of project samples fell within the method specific criteria without exception. No qualification of the data is recommended.

Continuing Calibration Verification (CCV)

Continuing calibration checks for the instruments used in the analysis of project samples fell within the method specific criteria without exception. No qualification of the data is recommended.

Blank Sample Analysis

In accordance with cited USEPA guidelines, positive sample results should be reported unless the concentration of the compound in the project sample is less than or equal the amount in any blank. Target compounds were not identified in associated blank samples at a concentration above the MDL without exception. No qualification of the data is recommended.

System Monitoring/Surrogate Compound Recoveries

System monitoring/surrogate compound recoveries were within the laboratory specific criteria for the analysis of the project samples without exception. No qualification of the data is recommended.

Laboratory Control Sample (LCS) Recoveries

LCS recoveries were within the method specific criteria without exception. No qualification of the data is recommended.

Target Compound Identification

Target compounds that were detected in the project samples were detected in both GC columns at comparable concentrations, ensuring no interfering analytes are present. No qualification of the data is recommended.

Compound Quantitation

Compound quantitation is performed to ensure that reported quantitation results are accurate. Compounds were quantitated correctly without exception.

Summary

The results presented in each report were found to be compliant with the data quality objectives for the project and usable. Based on our review, the usability of the data is 100%, with the few exceptions noted above.

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc

Client Job Site: 690 St. Paul St.
Client Job Number: 209280
Field Location: CS-6
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5141A
Lab Sample Number: 17006

Date Sampled: 11/29/2011
Date Received: 11/29/2011
Date Analyzed: 11/29/2011

Halocarbons	Results in ug / Kg
Bromodichloromethane	< 3.96 UJ
Bromomethane	< 3.96 UJ
Bromoform	< 9.89
Carbon Tetrachloride	< 3.96
Chloroethane	< 3.96
Chloromethane	< 3.96
2-Chloroethyl vinyl Ether	< 19.8 R
Chloroform	< 3.96 UJ
Dibromochloromethane	< 3.96
1,1-Dichloroethane	< 3.96
1,2-Dichloroethane	< 3.96
1,1-Dichloroethene	< 3.96
cis-1,2-Dichloroethene	18.9 J
trans-1,2-Dichloroethene	J 2.05
1,2-Dichloropropane	< 3.96 UJ
cis-1,3-Dichloropropene	< 3.96
trans-1,3-Dichloropropene	< 3.96
Methylene chloride	< 9.89 UJ
1,1,2,2-Tetrachloroethane	< 3.96
Tetrachloroethene	< 3.96
1,1,1-Trichloroethane	< 3.96
1,1,2-Trichloroethane	< 3.96
Trichloroethene	16.4 J
Trichlorofluoromethane	< 3.96 UJ
Vinyl chloride	< 3.96 UJ

Aromatics	Results in ug / Kg
Benzene	10.6 J
Chlorobenzene	< 3.96 UJ
Ethylbenzene	4.34 J
Toluene	< 3.96 UJ
m,p-Xylene	J 3.95
o-Xylene	< 3.96 UJ
Styrene	< 9.89
1,2-Dichlorobenzene	< 3.96
1,3-Dichlorobenzene	< 3.96
1,4-Dichlorobenzene	< 3.96

Ketones	Results in ug / Kg
Acetone	39.0 J
2-Butanone	< 19.8 UJ
2-Hexanone	< 9.89
4-Methyl-2-pentanone	< 9.89

Miscellaneous	Results in ug / Kg
Carbon disulfide	6.51 J
Vinyl acetate	< 9.89 UJ

ELAP Number 10958 Method: EPA 8260B Data File: V93752.D

Comments: ug / Kg = microgram per Kilogram
Surrogate outliers indicate probable matrix interference

EL 3/19/12

Signature:
Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

PARADIGM
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc

Client Job Site: 690 St. Paul St.
Client Job Number: 209280
Field Location: CS-6
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5141A
Lab Sample Number: 17006

Date Sampled: 11/29/2011
Date Received: 11/29/2011
Date Analyzed: 11/29/2011

Tentatively Identified Compounds	CAS Number	Retention Time	Results in ug / Kg	Percent Fit
Unknown Cyclohexane	N/A	6.88	25.1 J	N/A
Unknown Cyclohexane	N/A	7.76	13.1	N/A
Unknown Cyclohexane	N/A	8.64	15.8	N/A
Unknown Alkane	N/A	9.01	18.6	N/A
Unknown	N/A	9.46	28.5	N/A
Unknown	N/A	9.62	11.5	N/A
Unknown	N/A	9.68	13.1	N/A
Unknown Aromatic	N/A	10.96	42.1	N/A
Unknown Aromatic	N/A	11.18	22.3	N/A
Unknown Cyclohexane	N/A	11.32	15.6	N/A
Unknown	N/A	11.69	39.6	N/A
Unknown	N/A	11.84	23.7	N/A
Unknown	N/A	11.93	33.2	N/A
Unknown Aromatic	N/A	12.01	11.3	N/A
Unknown	N/A	12.36	21.6	N/A
Unknown Alkane	N/A	12.51	31.8	N/A
Unknown Alkane	N/A	13.13	26.7	N/A
Unknown Alkane	N/A	13.21	13.8	N/A
Unknown Alkane	N/A	14.11	22.2	N/A

ELAP Number 10958 Method: EPA 8260B Data File: V93752.D

Comments: ug / Kg = microgram per Kilogram

EL 3/19/12

Surrogate outliers indicate probable matrix interference

Signature: _____
Bruce Hoogesteger: Technical Director

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179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc

Client Job Site: 690 St. Paul St.
Client Job Number: 209280
Field Location: CS-7
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5141A
Lab Sample Number: 17007

Date Sampled: 11/29/2011
Date Received: 11/29/2011
Date Analyzed: 11/29/2011

Halocarbons	Results in ug / Kg
Bromodichloromethane	< 4.37
Bromomethane	< 4.37 UJ
Bromoform	< 10.9
Carbon Tetrachloride	< 4.37
Chloroethane	< 4.37
Chloromethane	< 4.37
2-Chloroethyl vinyl Ether	< 21.9 R
Chloroform	< 4.37
Dibromochloromethane	< 4.37
1,1-Dichloroethane	< 4.37
1,2-Dichloroethane	< 4.37
1,1-Dichloroethene	< 4.37
cis-1,2-Dichloroethene	73.2
trans-1,2-Dichloroethene	4.82
1,2-Dichloropropane	< 4.37
cis-1,3-Dichloropropene	< 4.37
trans-1,3-Dichloropropene	< 4.37
Methylene chloride	< 10.9 UJ
1,1,2,2-Tetrachloroethane	< 4.37
Tetrachloroethene	< 4.37
1,1,1-Trichloroethane	< 4.37
1,1,2-Trichloroethane	< 4.37
Trichloroethene	107
Trichlorofluoromethane	< 4.37 UJ
Vinyl chloride	10.5

Aromatics	Results in ug / Kg
Benzene	J 3.09
Chlorobenzene	< 4.37
Ethylbenzene	75.0
Toluene	13.5
m,p-Xylene	17.5
o-Xylene	10.5
Styrene	< 10.9
1,2-Dichlorobenzene	< 4.37
1,3-Dichlorobenzene	< 4.37
1,4-Dichlorobenzene	< 4.37

Ketones	Results in ug / Kg
Acetone	J 18.9
2-Butanone	< 21.9
2-Hexanone	< 10.9
4-Methyl-2-pentanone	< 10.9

Miscellaneous	Results in ug / Kg
Carbon disulfide	5.84
Vinyl acetate	< 10.9

ELAP Number 10958 Method: EPA 8260B Data File: V93753.D

Comments: ug / Kg = microgram per Kilogram

EL 3/18/12

Signature:

Bruce Hoogesteger: Technical Director

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Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc

Client Job Site: 690 St. Paul St.
Client Job Number: 209280
Field Location: CS-7
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5141A
Lab Sample Number: 17007

Date Sampled: 11/29/2011
Date Received: 11/29/2011
Date Analyzed: 11/29/2011

Tentatively Identified Compounds	CAS Number	Retention Time	Results in ug / Kg	Percent Fit
None Found	N/A	N/A	< 10.9	N/A

ELAP Number 10958 Method: EPA 8260B Data File: V93753.D

Comments: ug / Kg = microgram per Kilogram

EL 3/19/12

Signature:
Bruce Hoogesteger: Technical Director

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Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc

Client Job Site: 690 St. Paul St.
Client Job Number: 209280
Field Location: CS-6
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5141A
Lab Sample Number: 17006

Date Sampled: 11/29/2011
Date Received: 11/29/2011
Date Analyzed: 11/30/2011

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	< 312	Dibenz (a,h) anthracene	< 312
Anthracene	< 312	Fluoranthene	J 246
Benzo (a) anthracene	< 312	Fluorene	< 312
Benzo (a) pyrene	< 312	Indeno (1,2,3-cd) pyrene	< 312
Benzo (b) fluoranthene	< 312	Naphthalene	< 312
Benzo (g,h,i) perylene	< 312	Phenanthrene	J 183
Benzo (k) fluoranthene	< 312	Pyrene	J 223
Chrysene	< 312	Acenaphthylene	< 312
Diethyl phthalate	< 312	1,2-Dichlorobenzene	< 312
Dimethyl phthalate	< 779	1,3-Dichlorobenzene	< 312
Butylbenzylphthalate	< 312	1,4-Dichlorobenzene	< 312
Di-n-butyl phthalate	< 312	1,2,4-Trichlorobenzene	< 312
Di-n-octylphthalate	< 312	Nitrobenzene	< 312
Bis (2-ethylhexyl) phthalate	761	2,4-Dinitrotoluene	< 312
2-Chloronaphthalene	< 312	2,6-Dinitrotoluene	< 312
Hexachlorobenzene	< 312	Bis (2-chloroethyl) ether	< 312
Hexachloroethane	< 312	Bis (2-chloroisopropyl) ether	< 312
Hexachlorocyclopentadiene	< 312	Bis (2-chloroethoxy) methane	< 312
Hexachlorobutadiene	< 312	4-Bromophenyl phenyl ether	< 312
N-Nitroso-di-n-propylamine	< 312	4-Chlorophenyl phenyl ether	< 312
N-Nitrosodiphenylamine	< 312	Benzidine	< 779 UJ
N-Nitrosodimethylamine	< 312	3,3'-Dichlorobenzidine	< 312
Isophorone	< 312	4-Chloroaniline	< 312
Benzyl alcohol	< 779	2-Nitroaniline	< 779
Dibenzofuran	< 312	3-Nitroaniline	< 779
2-Methylnapthalene	< 312	4-Nitroaniline	< 779

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	< 312	2-Methylphenol	< 312
2-Chlorophenol	< 312	3&4-Methylphenol	< 312
2,4-Dichlorophenol	< 312	2,4-Dimethylphenol	< 312
2,6-Dichlorophenol	< 312	2-Nitrophenol	< 312
2,4,5-Trichlorophenol	< 779	4-Nitrophenol	< 779
2,4,6-Trichlorophenol	< 312	2,4-Dinitrophenol	< 779
Pentachlorophenol	< 779 UJ	4,6-Dinitro-2-methylphenol	< 779
4-Chloro-3-methylphenol	< 312	Benzoic acid	< 779 UJ

ELAP Number 10958 | Analytical Method: EPA 8270C | Data File: S60100.D
Prep Method: EPA 3550C

Comments: ug / Kg = microgram per Kilogram

EL 3/19/12

Signature:
Bruce Hoogesteger: Technical Director

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Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc

Client Job Site: 690 St. Paul St.
Client Job Number: 209280
Field Location: CS-6
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5141A
Lab Sample Number: 17006

Date Sampled: 11/29/2011
Date Received: 11/29/2011
Date Analyzed: 11/30/2011

Tentatively Identified Compounds	CAS Number	Retention Time	Results in ug / Kg	Percent Fit
Unknown	N/A	11.89	298 J	N/A
Unknown	N/A	13.99	190 J	N/A
Cyclic octaatomic sulfur	010544-50-0	15.69	5,510	94

ELAP Number 10958

Analytical Method: EPA 8270C
Prep Method: EPA 3550C

Data File: S60100.D

Comments: ug / Kg = microgram per Kilogram

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Signature:

Bruce Hoogesteger: Technical Director

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Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc

Client Job Site: 690 St. Paul St.
Client Job Number: 209280
Field Location: CS-7
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5141A
Lab Sample Number: 17007

Date Sampled: 11/29/2011
Date Received: 11/29/2011
Date Analyzed: 11/30/2011

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	< 327 UJ	Dibenz (a,h) anthracene	< 327 UJ
Anthracene	< 327	Fluoranthene	< 327
Benzo (a) anthracene	< 327	Fluorene	< 327
Benzo (a) pyrene	< 327	Indeno (1,2,3-cd) pyrene	< 327
Benzo (b) fluoranthene	< 327	Naphthalene	< 327
Benzo (g,h,i) perylene	< 327	Phenanthrene	< 327
Benzo (k) fluoranthene	< 327	Pyrene	< 327
Chrysene	< 327	Acenaphthylene	< 327
Diethyl phthalate	< 327	1,2-Dichlorobenzene	< 327
Dimethyl phthalate	< 818	1,3-Dichlorobenzene	< 327
Butylbenzylphthalate	< 327	1,4-Dichlorobenzene	< 327
Di-n-butyl phthalate	< 327	1,2,4-Trichlorobenzene	< 327
Di-n-octylphthalate	< 327	Nitrobenzene	< 327
Bis (2-ethylhexyl) phthalate	< 327	2,4-Dinitrotoluene	< 327
2-Chloronaphthalene	< 327	2,6-Dinitrotoluene	< 327
Hexachlorobenzene	< 327	Bis (2-chloroethyl) ether	< 327
Hexachloroethane	< 327	Bis (2-chloroisopropyl) ether	< 327
Hexachlorocyclopentadiene	< 327	Bis (2-chloroethoxy) methane	< 327
Hexachlorobutadiene	< 327	4-Bromophenyl phenyl ether	< 327
N-Nitroso-di-n-propylamine	< 327	4-Chlorophenyl phenyl ether	< 327
N-Nitrosodiphenylamine	< 327	Benzidine	< 818 UJ
N-Nitrosodimethylamine	< 327	3,3'-Dichlorobenzidine	< 327
Isophorone	< 327	4-Chloroaniline	< 327
Benzyl alcohol	< 818	2-Nitroaniline	< 818
Dibenzofuran	< 327	3-Nitroaniline	< 818
2-Methylnapthalene	< 327	4-Nitroaniline	< 818

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	< 327 UJ	2-Methylphenol	< 327 UJ
2-Chlorophenol	< 327	3&4-Methylphenol	< 327
2,4-Dichlorophenol	< 327	2,4-Dimethylphenol	< 327
2,6-Dichlorophenol	< 327	2-Nitrophenol	< 818
2,4,5-Trichlorophenol	< 818	4-Nitrophenol	< 818
2,4,6-Trichlorophenol	< 327	2,4-Dinitrophenol	< 818
Pentachlorophenol	< 818 UJ	4,6-Dinitro-2-methylphenol	< 818
4-Chloro-3-methylphenol	< 327 UJ	Benzoic acid	< 818 UJ

ELAP Number 10958 | Analytical Method: EPA 8270C | Data File: S60101.D
Prep Method: EPA 3550C

Comments: ug / Kg = microgram per Kilogram
Surrogate outliers indicate probable matrix interference

EL 3/19/12

Signature:

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Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc

Client Job Site: 690 St. Paul St.
Client Job Number: 209280
Field Location: CS-7
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5141A
Lab Sample Number: 17007

Date Sampled: 11/29/2011
Date Received: 11/29/2011
Date Analyzed: 11/30/2011

Tentatively Identified Compounds	CAS Number	Retention Time	Results in ug / Kg	Percent Fit
Unknown	N/A	2.81	235 J	N/A
Cyclic octaatomic sulfur	010544-50-0	15.67	218 J	94

ELAP Number 10958

Analytical Method: EPA 8270C
Prep Method: EPA 3550C

Data File: S60101.D

Comments: ug / Kg = microgram per Kilogram

Surrogate outliers indicate probable matrix interference

EL 3/19/12

Signature: _____
Bruce Hoogesteger: Technical Director

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PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Pesticide Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc

Client Job Site: 690 St. Paul St.
Client Job Number: 209280
Field Location: CS-6
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5141A
Lab Sample Number: 17006

Date Sampled: 11/29/2011
Date Received: 11/29/2011
Date Analyzed: 11/30/2011

Pesticide Identification	Results in ug / Kg
Aldrin	< 3.12
alpha-BHC	< 3.12
beta-BHC	< 3.12
delta-BHC	< 3.12
gamma-BHC	< 3.12
gamma-Chlordane	< 3.12
alpha-Chlordane	< 3.12
4,4'-DDD	< 3.12
4,4'-DDE	< 3.12
4,4'-DDT	J 2.58
Dieldrin	< 3.12
Endosulfan I	< 3.12
Endosulfan II	< 3.12
Endosulfan Sulfate	< 3.12
Endrin	< 3.12
Endrin Aldehyde	< 3.12
Endrin Ketone	< 3.12
Heptachlor	< 3.12
Heptachlor Epoxide	< 3.12
Methoxychlor	< 3.12
Toxaphene	< 15.6

ELAP Number 10958

Analytical Method: EPA 8081B
Prep Method: EPA 3550C

Comments: ug / Kg = microgram per Kilogram

EL 3/19/12

Signature: _____

Bruce Hoogesteger: Technical Director

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179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Pesticide Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc

Client Job Site: 690 St. Paul St.
Client Job Number: 209280
Field Location: CS-7
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5141A
Lab Sample Number: 17007

Date Sampled: 11/29/2011
Date Received: 11/29/2011
Date Analyzed: 11/30/2011

Pesticide Identification	Results in ug / Kg
Aldrin	< 3.26
alpha-BHC	< 3.26
beta-BHC	< 3.26
delta-BHC	< 3.26
gamma-BHC	< 3.26
gamma-Chlordane	< 3.26
alpha-Chlordane	< 3.26
4,4'-DDD	< 3.26
4,4'-DDE	< 3.26
4,4'-DDT	J 2.14
Dieldrin	< 3.26
Endosulfan I	< 3.26
Endosulfan II	< 3.26
Endosulfan Sulfate	< 3.26
Endrin	< 3.26
Endrin Aldehyde	< 3.26
Endrin Ketone	< 3.26
Heptachlor	< 3.26
Heptachlor Epoxide	< 3.26
Methoxychlor	< 3.26
Toxaphene	< 16.3

ELAP Number 10958

Analytical Method: EPA 8081B
Prep Method: EPA 3550C

Comments: ug / Kg = microgram per Kilogram

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Signature:

Bruce Hoogesteger: Technical Director

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PARADIGM
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc

Client Job Site:	690 St. Paul St.	**Lab Project Number:**	11-5141A
		Lab Sample Number:	17006
Client Job Number:	209280		
Field Location:	CS-6	**Date Sampled:**	11/29/2011
Field ID Number:	N/A	**Date Received:**	11/29/2011
Sample Type:	Soil	**Date Analyzed:**	12/01/2011

PCB Identification	Results in mg / Kg
Aroclor 1016	< 0.0312
Aroclor 1221	< 0.0312
Aroclor 1232	< 0.0312
Aroclor 1242	< 0.0312
Aroclor 1248	< 0.0312
Aroclor 1254	< 0.0312
Aroclor 1260	< 0.0312

ELAP Number 10958

Analytical Method: EPA 8082A
Prep Method: EPA 3550C

Comments: mg / Kg = milligram per Kilogram

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Signature:

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PCB Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc

Client Job Site:	690 St. Paul St.	**Lab Project Number:**	11-5141A
		Lab Sample Number:	17007
Client Job Number:	209280		
Field Location:	CS-7	**Date Sampled:**	11/29/2011
Field ID Number:	N/A	**Date Received:**	11/29/2011
Sample Type:	Soil	**Date Analyzed:**	12/01/2011

PCB Identification	Results in mg / Kg
Aroclor 1016	< 0.0326
Aroclor 1221	< 0.0326
Aroclor 1232	< 0.0326
Aroclor 1242	< 0.0326
Aroclor 1248	< 0.0326
Aroclor 1254	< 0.0326
Aroclor 1260	< 0.0326

ELAP Number 10958

Analytical Method: EPA 8082A
Prep Method: EPA 3550C

Comments: mg / Kg = milligram per Kilogram

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Signature: _____

Bruce Hoogesteger: Technical Director

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Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc.

Client Job Site: 690 St. Paul St.
Client Job Number: 209280
Field Location: AOC1-CS-8
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5230A
Lab Sample Number: 17276

Date Sampled: 12/02/2011
Date Received: 12/02/2011
Date Analyzed: 12/03/2011

Halocarbons	Results in ug / Kg
Bromodichloromethane	< 4.05 UJ
Bromomethane	< 4.05 UJ
Bromoform	< 10.1
Carbon Tetrachloride	< 4.05
Chloroethane	< 4.05
Chloromethane	< 4.05
2-Chloroethyl vinyl Ether	< 20.3 R
Chloroform	< 4.05 UJ
Dibromochloromethane	< 4.05
1,1-Dichloroethane	< 4.05
1,2-Dichloroethane	< 4.05
1,1-Dichloroethene	< 4.05
cis-1,2-Dichloroethene	< 4.05
trans-1,2-Dichloroethene	< 4.05
1,2-Dichloropropane	< 4.05
cis-1,3-Dichloropropene	< 4.05
trans-1,3-Dichloropropene	< 4.05
Methylene chloride	< 10.1 UJ
1,1,2,2-Tetrachloroethane	< 4.05
Tetrachloroethene	< 4.05
1,1,1-Trichloroethane	< 4.05
1,1,2-Trichloroethane	< 4.05
Trichloroethene	< 4.05
Trichlorofluoromethane	< 4.05 UJ
Vinyl chloride	< 4.05 UJ

Aromatics	Results in ug / Kg
Benzene	< 4.05 UJ
Chlorobenzene	< 4.05
Ethylbenzene	< 4.05
Toluene	< 4.05
m,p-Xylene	< 4.05
o-Xylene	< 4.05
Styrene	< 10.1
1,2-Dichlorobenzene	< 4.05
1,3-Dichlorobenzene	< 4.05
1,4-Dichlorobenzene	< 4.05

Ketones	Results in ug / Kg
Acetone	~~B~~ 28.7 U
2-Butanone	< 20.3 UJ
2-Hexanone	< 10.1
4-Methyl-2-pentanone	< 10.1

Miscellaneous	Results in ug / Kg
Carbon disulfide	13.2 J
Vinyl acetate	< 10.1 UJ

ELAP Number 10958 Method: EPA 8260B Data File: V93859.D

Comments: ug / Kg = microgram per Kilogram
Surrogate outliers indicate probable matrix interference

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Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc.

Client Job Site: 690 St. Paul St.
Client Job Number: 209280
Field Location: AOC1-CS-8
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5230A
Lab Sample Number: 17276
Date Sampled: 12/02/2011
Date Received: 12/02/2011
Date Analyzed: 12/03/2011

Tentatively Identified Compounds	CAS Number	Retention Time	Results in ug / Kg	Percent Fit
Unknown Cyclohexane	N/A	6.88	60.8 J	N/A
Unknown Cyclohexane	N/A	7.42	13.9	N/A
Unknown Cyclohexane	N/A	7.75	19.8	N/A
Unknown Cyclohexane	N/A	8.65	23.7	N/A
Unknown	N/A	8.90	11.0	N/A
Unknown	N/A	9.00	15.0	N/A
Unknown	N/A	9.17	12.3	N/A
Unknown	N/A	9.61	15.8	N/A
Unknown	N/A	9.68	22.1	N/A
Unknown Cyclohexane	N/A	9.80	11.5	N/A
Unknown	N/A	9.87	10.4	N/A
Unknown	N/A	11.69	33.9	N/A
Unknown	N/A	11.93	27.7	N/A
Unknown	N/A	12.52	15.9	N/A

ELAP Number 10958 Method: EPA 8260B Data File: V93859.D

Comments: ug / Kg = microgram per Kilogram

Surrogate outliers indicate probable matrix interference

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Signature:

Bruce Hoogesteger: Technical Director

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179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc.

Client Job Site: 690 St. Paul St.
Client Job Number: 209280
Field Location: AOC1-CS-9
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5230A
Lab Sample Number: 17277

Date Sampled: 12/02/2011
Date Received: 12/02/2011
Date Analyzed: 12/03/2011

Halocarbons	Results in ug / Kg
Bromodichloromethane	< 4.27
Bromomethane	< 4.27 UJ
Bromoform	< 10.7
Carbon Tetrachloride	< 4.27
Chloroethane	< 4.27
Chloromethane	< 4.27
2-Chloroethyl vinyl Ether	< 21.4 R
Chloroform	< 4.27
Dibromochloromethane	< 4.27
1,1-Dichloroethane	< 4.27
1,2-Dichloroethane	< 4.27
1,1-Dichloroethene	5.27
cis-1,2-Dichloroethene	271
trans-1,2-Dichloroethene	J 3.17
1,2-Dichloropropane	< 4.27
cis-1,3-Dichloropropene	< 4.27
trans-1,3-Dichloropropene	< 4.27
Methylene chloride	< 10.7 UJ
1,1,2,2-Tetrachloroethane	< 4.27
Tetrachloroethene	< 4.27
1,1,1-Trichloroethane	< 4.27
1,1,2-Trichloroethane	< 4.27
Trichloroethene	186
Trichlorofluoromethane	< 4.27 UJ
Vinyl chloride	36.6

Aromatics	Results in ug / Kg
Benzene	< 4.27
Chlorobenzene	< 4.27
Ethylbenzene	J 2.45
Toluene	< 4.27
m,p-Xylene	< 4.27
o-Xylene	< 4.27
Styrene	< 10.7
1,2-Dichlorobenzene	< 4.27
1,3-Dichlorobenzene	< 4.27
1,4-Dichlorobenzene	< 4.27

Ketones	Results in ug / Kg
Acetone	~~J B~~ 13.4 U
2-Butanone	< 21.4
2-Hexanone	< 10.7
4-Methyl-2-pentanone	< 10.7

Miscellaneous	Results in ug / Kg
Carbon disulfide	J 2.68
Vinyl acetate	< 10.7

ELAP Number 10958 Method: EPA 8260B Data File: V93860.D

Comments: ug / Kg = microgram per Kilogram

EL 3/19/12

Signature: Bruce Hoogesteger: Technical Director

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PARADIGM
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc.

Client Job Site: 690 St. Paul St.
Client Job Number: 209280
Field Location: AOC1-CS-9
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5230A
Lab Sample Number: 17277

Date Sampled: 12/02/2011
Date Received: 12/02/2011
Date Analyzed: 12/03/2011

Tentatively Identified Compounds	CAS Number	Retention Time	Results in ug / Kg	Percent Fit
None Found	N/A	N/A	< 10.7	N/A

ELAP Number 10958 Method: EPA 8260B Data File: V93860.D

Comments: ug / Kg = microgram per Kilogram

EL
3/19/12

Signature:
Bruce Hoogesteger: Technical Director

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PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc.

Client Job Site: 690 St Paul St.
Client Job Number: 209280
Field Location: AOC1-CS-8
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5230A
Lab Sample Number: 17276

Date Sampled: 12/02/2011
Date Received: 12/02/2011
Date Analyzed: 12/05/2011

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	< 307	Dibenz (a,h) anthracene	< 307
Anthracene	< 307	Fluoranthene	< 307
Benzo (a) anthracene	< 307	Fluorene	< 307
Benzo (a) pyrene	< 307	Indeno (1,2,3-cd) pyrene	< 307
Benzo (b) fluoranthene	< 307	Naphthalene	< 307
Benzo (g,h,i) perylene	< 307	Phenanthrene	< 307
Benzo (k) fluoranthene	< 307	Pyrene	< 307
Chrysene	< 307	Acenaphthylene	< 307
Diethyl phthalate	< 307	1,2-Dichlorobenzene	< 307
Dimethyl phthalate	< 768	1,3-Dichlorobenzene	< 307
Butylbenzylphthalate	< 307	1,4-Dichlorobenzene	< 307
Di-n-butyl phthalate	< 307	1,2,4-Trichlorobenzene	< 307
Di-n-octylphthalate	< 307	Nitrobenzene	< 307
Bis (2-ethylhexyl) phthalate	< 307	2,4-Dinitrotoluene	< 307
2-Chloronaphthalene	< 307	2,6-Dinitrotoluene	< 307
Hexachlorobenzene	< 307	Bis (2-chloroethyl) ether	< 307
Hexachloroethane	< 307	Bis (2-chloroisopropyl) ether	< 307 UJ
Hexachlorocyclopentadiene	< 307	Bis (2-chloroethoxy) methane	< 307
Hexachlorobutadiene	< 307	4-Bromophenyl phenyl ether	< 307
N-Nitroso-di-n-propylamine	< 307	4-Chlorophenyl phenyl ether	< 307
N-Nitrosodiphenylamine	< 307	Benzidine	< 768 UJ
N-Nitrosodimethylamine	< 307	3,3'-Dichlorobenzidine	< 307
Isophorone	< 307	4-Chloroaniline	< 307
Benzyl alcohol	< 768	2-Nitroaniline	< 768
Dibenzofuran	< 307	3-Nitroaniline	< 768
2-Methylnapthalene	< 307	4-Nitroaniline	< 768

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	< 307	2-Methylphenol	< 307
2-Chlorophenol	< 307	3&4-Methylphenol	< 307
2,4-Dichlorophenol	< 307	2,4-Dimethylphenol	< 307
2,6-Dichlorophenol	< 307	2-Nitrophenol	< 307
2,4,5-Trichlorophenol	< 768	4-Nitrophenol	< 768
2,4,6-Trichlorophenol	< 307	2,4-Dinitrophenol	< 768
Pentachlorophenol	< 768 UJ	4,6-Dinitro-2-methylphenol	< 768
4-Chloro-3-methylphenol	< 307	Benzoic acid	< 768 UJ

ELAP Number 10958 | Analytical Method: EPA 8270C | Data File: S60157.D
Prep Method: EPA 3550C

Comments: ug / Kg = microgram per Kilogram

EL 3/19/12

Signature: _____
Bruce Hoogesteger: Technical Director

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PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc.

Client Job Site: 690 St Paul St.
Client Job Number: 209280
Field Location: AOC1-CS-8
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5230A
Lab Sample Number: 17276

Date Sampled: 12/02/2011
Date Received: 12/02/2011
Date Analyzed: 12/05/2011

Tentatively Identified Compounds	CAS Number	Retention Time	Results in ug / Kg	Percent Fit
Unknown	N/A	11.84	143 J	N/A
Cyclic octaatomic sulfur	010544-50-0	15.62	956 J	92

ELAP Number 10958

Analytical Method: EPA 8270C
Prep Method: EPA 3550C

Data File: S60157.D

Comments: ug / Kg = microgram per Kilogram

EL 3/19/12

Signature:

Bruce Hoogesteger: Technical Director

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PARADIGM ENVIRONMENTAL SERVICES, INC
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc.

Client Job Site: 690 St Paul St.
Client Job Number: 209280
Field Location: AOC1-CS-9
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5230A
Lab Sample Number: 17277
Date Sampled: 12/02/2011
Date Received: 12/02/2011
Date Analyzed: 12/05/2011

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	< 309	Dibenz (a,h) anthracene	< 309
Anthracene	< 309	Fluoranthene	< 309
Benzo (a) anthracene	< 309	Fluorene	< 309
Benzo (a) pyrene	< 309	Indeno (1,2,3-cd) pyrene	< 309
Benzo (b) fluoranthene	< 309	Naphthalene	< 309
Benzo (g,h,i) perylene	< 309	Phenanthrene	< 309
Benzo (k) fluoranthene	< 309	Pyrene	< 309
Chrysene	< 309	Acenaphthylene	< 309
Diethyl phthalate	< 309	1,2-Dichlorobenzene	< 309
Dimethyl phthalate	< 772	1,3-Dichlorobenzene	< 309
Butylbenzylphthalate	< 309	1,4-Dichlorobenzene	< 309
Di-n-butyl phthalate	< 309	1,2,4-Trichlorobenzene	< 309
Di-n-octylphthalate	< 309	Nitrobenzene	< 309
Bis (2-ethylhexyl) phthalate	< 309	2,4-Dinitrotoluene	< 309
2-Chloronaphthalene	< 309	2,6-Dinitrotoluene	< 309
Hexachlorobenzene	< 309	Bis (2-chloroethyl) ether	< 309
Hexachloroethane	< 309	Bis (2-chloroisopropyl) ether	< 309 UJ
Hexachlorocyclopentadiene	< 309	Bis (2-chloroethoxy) methane	< 309
Hexachlorobutadiene	< 309	4-Bromophenyl phenyl ether	< 309
N-Nitroso-di-n-propylamine	< 309	4-Chlorophenyl phenyl ether	< 309
N-Nitrosodiphenylamine	< 309	Benzidine	< 772 UJ
N-Nitrosodimethylamine	< 309	3,3'-Dichlorobenzidine	< 309
Isophorone	< 309	4-Chloroaniline	< 309
Benzyl alcohol	< 772	2-Nitroaniline	< 772
Dibenzofuran	< 309	3-Nitroaniline	< 772
2-Methylnapthalene	< 309	4-Nitroaniline	< 772

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	< 309	2-Methylphenol	< 309
2-Chlorophenol	< 309	3&4-Methylphenol	< 309
2,4-Dichlorophenol	< 309	2,4-Dimethylphenol	< 309
2,6-Dichlorophenol	< 309	2-Nitrophenol	< 309
2,4,5-Trichlorophenol	< 772	4-Nitrophenol	< 772
2,4,6-Trichlorophenol	< 309	2,4-Dinitrophenol	< 772
Pentachlorophenol	< 772 UJ	4,6-Dinitro-2-methylphenol	< 772
4-Chloro-3-methylphenol	< 309	Benzoic acid	< 772 UJ

ELAP Number 10958 Analytical Method: EPA 8270C Data File: S60158.D
Prep Method: EPA 3550C

Comments: ug / Kg = microgram per Kilogram

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Signature: _____
Bruce Hoogesteger: Technical Director

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PARADIGM
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc.

Client Job Site: 690 St Paul St.
Client Job Number: 209280
Field Location: AOC1-CS-9
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5230A
Lab Sample Number: 17277

Date Sampled: 12/02/2011
Date Received: 12/02/2011
Date Analyzed: 12/05/2011

Tentatively Identified Compounds	CAS Number	Retention Time	Results in ug / Kg	Percent Fit
Unknown	N/A	3.37	130 J	N/A

ELAP Number 10958

Analytical Method: EPA 8270C
Prep Method: EPA 3550C

Data File: S60158.D

Comments: ug / Kg = microgram per Kilogram

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Signature:

Bruce Hoogesteger: Technical Director

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PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Pesticide Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc.

Client Job Site: 690 St. Paul St.
Client Job Number: 209280
Field Location: AOC1-CS-9
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5230A
Lab Sample Number: 17277

Date Sampled: 12/02/2011
Date Received: 12/02/2011
Date Analyzed: 12/05/2011

Pesticide Identification	Results in ug / Kg
Aldrin	< 3.08
alpha-BHC	< 3.08
beta-BHC	< 3.08
delta-BHC	< 3.08
gamma-BHC	< 3.08
gamma-Chlordane	< 3.08
alpha-Chlordane	< 3.08
4,4'-DDD	< 3.08
4,4'-DDE	< 3.08
4,4'-DDT	< 3.08
Dieldrin	< 3.08
Endosulfan I	< 3.08
Endosulfan II	< 3.08
Endosulfan Sulfate	< 3.08
Endrin	< 3.08
Endrin Aldehyde	< 3.08
Endrin Ketone	< 3.08
Heptachlor	< 3.08
Heptachlor Epoxide	< 3.08
Methoxychlor	< 3.08
Toxaphene	< 15.4

ELAP Number 10958

Analytical Method: EPA 8081B
Prep Method: EPA 3550C

Comments: ug / Kg = microgram per Kilogram

EL
3/19/12

Signature:

Bruce Hoogesteger: Technical Director

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PARADIGM
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc.

Client Job Site:	690 St. Paul St.	**Lab Project Number:**	11-5230A
		Lab Sample Number:	17276
Client Job Number:	209280		
Field Location:	AOC1-CS-8	**Date Sampled:**	12/02/2011
Field ID Number:	N/A	**Date Received:**	12/02/2011
Sample Type:	Soil	**Date Analyzed:**	12/06/2011

PCB Identification	Results in mg / Kg
Aroclor 1016	< 0.0308
Aroclor 1221	< 0.0308
Aroclor 1232	< 0.0308
Aroclor 1242	< 0.0308
Aroclor 1248	< 0.0308
Aroclor 1254	< 0.0308
Aroclor 1260	< 0.0308

ELAP Number 10958

Analytical Method: EPA 8082A
Prep Method: EPA 3550C

Comments: mg / Kg = milligram per Kilogram

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3/19/12

Signature: _____
Bruce Hoogesteger: Technical Director

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PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc.

Client Job Site: 690 St. Paul St.
Client Job Number: 209280
Field Location: AOC1-CS-9
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5230A
Lab Sample Number: 17277

Date Sampled: 12/02/2011
Date Received: 12/02/2011
Date Analyzed: 12/06/2011

PCB Identification	Results in mg / Kg
Aroclor 1016	< 0.0308
Aroclor 1221	< 0.0308
Aroclor 1232	< 0.0308
Aroclor 1242	< 0.0308
Aroclor 1248	< 0.0308
Aroclor 1254	< 0.0308
Aroclor 1260	< 0.0308

ELAP Number 10958

Analytical Method: EPA 8082A
Prep Method: EPA 3550C

Comments: mg / Kg = milligram per Kilogram

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Signature: _____
Bruce Hoogesteger: Technical Director

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PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella

Client Job Site: 690 St. Paul
Client Job Number: N/A
Field Location: CS-10
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5314A
Lab Sample Number: 17510

Date Sampled: 12/07/2011
Date Received: 12/07/2011
Date Analyzed: 12/08/2011

Halocarbons	Results in ug / Kg
Bromodichloromethane	< 4.14 UJ
Bromomethane	< 4.14
Bromoform	< 10.3
Carbon Tetrachloride	< 4.14
Chloroethane	< 4.14
Chloromethane	< 4.14
2-Chloroethyl vinyl Ether	< 20.7 R
Chloroform	< 4.14 UJ
Dibromochloromethane	< 4.14
1,1-Dichloroethane	< 4.14
1,2-Dichloroethane	< 4.14
1,1-Dichloroethene	< 4.14
cis-1,2-Dichloroethene	173 J
trans-1,2-Dichloroethene	4.17 J
1,2-Dichloropropane	< 4.14 UJ
cis-1,3-Dichloropropene	< 4.14
trans-1,3-Dichloropropene	< 4.14
Methylene chloride	< 10.3 UJ
1,1,2,2-Tetrachloroethane	< 4.14 UJ
Tetrachloroethene	J 2.35
1,1,1-Trichloroethane	< 4.14 UJ
1,1,2-Trichloroethane	< 4.14 UJ
Trichloroethene	234 J
Trichlorofluoromethane	< 4.14 UJ
Vinyl chloride	J 3.05

Aromatics	Results in ug / Kg
Benzene	< 4.14 UJ
Chlorobenzene	< 4.14
Ethylbenzene	< 4.14
Toluene	< 4.14
m,p-Xylene	< 4.14
o-Xylene	< 4.14
Styrene	< 10.3
1,2-Dichlorobenzene	< 4.14
1,3-Dichlorobenzene	< 4.14
1,4-Dichlorobenzene	< 4.14

Ketones	Results in ug / Kg
Acetone	< 20.7 UJ
2-Butanone	< 20.7
2-Hexanone	< 10.3
4-Methyl-2-pentanone	< 10.3

Miscellaneous	Results in ug / Kg
Carbon disulfide	J 2.98
Vinyl acetate	< 10.3 UJ

ELAP Number 10958 Method: EPA 8260B Data File: V93988.D

Comments: ug / Kg = microgram per Kilogram
Surrogate outliers indicate probable matrix interference

EL 3/19/12

Signature:

Bruce Hoogesteger: Technical Director

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PARADIGM
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella

Client Job Site: 690 St. Paul
Client Job Number: N/A
Field Location: CS-10
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5314A
Lab Sample Number: 17510

Date Sampled: 12/07/2011
Date Received: 12/07/2011
Date Analyzed: 12/08/2011

Tentatively Identified Compounds	CAS Number	Retention Time	Results in ug / Kg	Percent Fit
None Found	N/A	N/A	< 10.3	N/A

ELAP Number 10958 Method: EPA 8260B Data File: V93988.D

Comments: ug / Kg = microgram per Kilogram

Surrogate outliers indicate probable matrix interference

EL
3/19/12

Signature:

Bruce Hoogesteger: Technical Director

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PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Pesticide Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc.

Client Job Site: 690 St. Paul St.

Client Job Number: 209280
Field Location: AOC1-CS-8
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5230A
Lab Sample Number: 17276

Date Sampled: 12/02/2011
Date Received: 12/02/2011
Date Analyzed: 12/05/2011

Pesticide Identification	Results in ug / Kg	
Aldrin	< 3.08	UJ
alpha-BHC	< 3.08	
beta-BHC	< 3.08	
delta-BHC	< 3.08	
gamma-BHC	< 3.08	
gamma-Chlordane	< 3.08	
alpha-Chlordane	< 3.08	
4,4'-DDD	< 3.08	
4,4'-DDE	< 3.08	
4,4'-DDT	J 1.98	
Dieldrin	< 3.08	UJ
Endosulfan I	< 3.08	
Endosulfan II	< 3.08	
Endosulfan Sulfate	< 3.08	
Endrin	< 3.08	
Endrin Aldehyde	< 3.08	
Endrin Ketone	< 3.08	
Heptachlor	< 3.08	
Heptachlor Epoxide	< 3.08	
Methoxychlor	< 3.08	
Toxaphene	< 15.4	

ELAP Number 10958

Analytical Method: EPA 8081B
Prep Method: EPA 3550C

Comments: ug / Kg = microgram per Kilogram
Surrogate outliers indicate probable matrix interference

EL
3/19/12

Signature:

Bruce Hoogesteger: Technical Director

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Report Date:
07-Dec-11 15:28

SPECTRUM ANALYTICAL, INC.
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☑ Final Report
☐ Re-Issued Report
☐ Revised Report

Laboratory Report

LaBella Associates
300 State Street, Suite 201
Rochester, NY 14614

Work Order: K2428
Project : 690 Saint Paul Street
Project #: 208492

Attn: Dan Noll

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
K2428-01	WEATHERED RX PIECES	Soil	16-Nov-11 14:15	17-Nov-11 08:40
K2428-02	CLASS 1 PILE-DRY	Soil	16-Nov-11 14:40	17-Nov-11 08:40
K2428-03	CLASS 1 PILE-WET	Soil	16-Nov-11 14:50	17-Nov-11 08:40
K2428-04	CLASS 1 PILE DRY-2	Soil	16-Nov-11 14:40	17-Nov-11 08:40
K2428-05	AOC1-CS-1	Soil	16-Nov-11 15:15	17-Nov-11 08:40
K2428-06	AOC1-CS-2	Soil	16-Nov-11 15:25	17-Nov-11 08:40
K2428-07	AOC1-CS-3	Soil	16-Nov-11 15:30	17-Nov-11 08:40
K2428-08	WCS-111611-1	Soil	16-Nov-11 15:45	17-Nov-11 08:40

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. The results relate only to the samples(s) as received. This report may not be reproduced, except in full, without written approval from Mitkem Laboratories.

All applicable NELAC or USEPA CLP requirments have been meet.

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Please contact the Laboratory or Technical Director at 401-732-3400 with any questions regarding the data contained in the laboratory report.

Department of Defense	N/A
Connecticut	PH-0153
Delaware	N/A
Maine	2007037
Massachusetts	M-RI907
New Hampshire	2631
New Jersey	RI001
New York	11522
North Carolina	581
Pennsylvania	68-00520
Rhode Island	LAI00301
USDA	P330-08-00023
USEPA - ISM	EP-W-09-039
USEPA - SOM	EP-W-11-033

NELAP ACCREDITED TNI LABORATORY

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

LABORATORY ACCREDITATION BUREAU ACCREDITED
DoD ELAP
Certificate # L2247 Testing

Authorized by:

Yihai Ding
Laboratory Director



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* Data Summary Pack *

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : 690 Saint Paul Street -- 208492 **SDG :** K2428

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
WEATHERED RX PIECES	K2428-01	SW8260_LOW_S				
WEATHERED RX PIECES	K2428-01	SW8260_MED_S				
WEATHERED RX PIECES	K2428-01	SW8260_W				
CLASS 1 PILE-DRY	K2428-02	SW8260_LOW_S	SW8270_S	SW8081_S	SW6010_S	
CLASS 1 PILE-DRY	K2428-02			SW8082_S	SW7471	
CLASS 1 PILE-WET	K2428-03	SW8260_LOW_S	SW8270_S	SW8081_S	SW6010_S	
CLASS 1 PILE-WET	K2428-03			SW8082_S	SW7471	
CLASS 1 PILE DRY-2	K2428-04	SW8260_LOW_S				
AOC1-CS-1	K2428-05	SW8260_LOW_S	SW8270_S	SW8081_S		
AOC1-CS-1	K2428-05			SW8082_S		
AOC1-CS-2	K2428-06	SW8260_LOW_S	SW8270_S	SW8081_S		
AOC1-CS-2	K2428-06	SW8260_MED_S		SW8082_S		
AOC1-CS-3	K2428-07	SW8260_LOW_S	SW8270_S	SW8081_S		
AOC1-CS-3	K2428-07	SW8260_MED_S		SW8082_S		
WCS-111611-1	K2428-08	SW8260_LOW_S		SW8081_S		
WCS-111611-1	K2428-08	SW8260_W		SW8082_S		

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSVOA

Project Name : 690 Saint Paul Street -- 208492 **SDG :** K2428

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8260_LOW_S					
K2428-01A	SL	11/16/2011	11/17/2011	NA	11/17/2011
K2428-02B	SL	11/16/2011	11/17/2011	NA	11/21/2011
K2428-03B	SL	11/16/2011	11/17/2011	NA	11/21/2011
K2428-04A	SL	11/16/2011	11/17/2011	NA	11/21/2011
K2428-05B	SL	11/16/2011	11/17/2011	NA	11/21/2011
K2428-06B	SL	11/16/2011	11/17/2011	NA	11/17/2011
K2428-07B	SL	11/16/2011	11/17/2011	NA	11/17/2011
K2428-08B	SL	11/16/2011	11/17/2011	NA	11/21/2011
SW8260_MED_S					
K2428-01A	SL	11/16/2011	11/17/2011	11/19/2011	11/19/2011
K2428-06B	SL	11/16/2011	11/17/2011	11/18/2011	11/18/2011
K2428-07B	SL	11/16/2011	11/17/2011	11/19/2011	11/19/2011
SW8260_W					
K2428-01B	SL	11/16/2011	11/17/2011	NA	11/29/2011
K2428-08C	SL	11/16/2011	11/17/2011	NA	11/22/2011

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : 690 Saint Paul Street -- 208492 **SDG :** K2428

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8270_S					
K2428-02A	SL	11/16/2011	11/17/2011	11/17/2011	11/18/2011
K2428-03A	SL	11/16/2011	11/17/2011	11/17/2011	11/18/2011
K2428-05A	SL	11/16/2011	11/17/2011	11/17/2011	11/18/2011
K2428-06A	SL	11/16/2011	11/17/2011	11/17/2011	11/18/2011
K2428-07A	SL	11/16/2011	11/17/2011	11/17/2011	11/18/2011
K2428-07ADL	SL	11/16/2011	11/17/2011	11/17/2011	11/18/2011

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary GC*

Project Name : 690 Saint Paul Street -- 208492 **SDG :** K2428

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8081_S					
K2428-02A	SL	11/16/2011	11/17/2011	11/17/2011	11/18/2011
K2428-03A	SL	11/16/2011	11/17/2011	11/17/2011	11/18/2011
K2428-05A	SL	11/16/2011	11/17/2011	11/17/2011	11/18/2011
K2428-06A	SL	11/16/2011	11/17/2011	11/17/2011	11/18/2011
K2428-07A	SL	11/16/2011	11/17/2011	11/17/2011	11/18/2011
K2428-08A	SL	11/16/2011	11/17/2011	11/17/2011	11/18/2011
SW8082_S					
K2428-02A	SL	11/16/2011	11/17/2011	11/17/2011	11/18/2011
K2428-03A	SL	11/16/2011	11/17/2011	11/17/2011	11/18/2011
K2428-05A	SL	11/16/2011	11/17/2011	11/17/2011	11/18/2011
K2428-06A	SL	11/16/2011	11/17/2011	11/17/2011	11/18/2011
K2428-07A	SL	11/16/2011	11/17/2011	11/17/2011	11/18/2011
K2428-08A	SL	11/16/2011	11/17/2011	11/17/2011	11/18/2011

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSVOA

Project Name : 690 Saint Paul Street -- 208492 **SDG :** K2428

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
SW8260_LOW_S					
K2428-01A	SL	SW8260_LOW_S	NA	LOW	1
K2428-02B	SL	SW8260_LOW_S	NA	LOW	1
K2428-03B	SL	SW8260_LOW_S	NA	LOW	1
K2428-04A	SL	SW8260_LOW_S	NA	LOW	1
K2428-05B	SL	SW8260_LOW_S	NA	LOW	1
K2428-06B	SL	SW8260_LOW_S	NA	LOW	1
K2428-07B	SL	SW8260_LOW_S	NA	LOW	1
K2428-08B	SL	SW8260_LOW_S	NA	LOW	1
SW8260_MED_S					
K2428-01A	SL	SW8260_MED_S	SW5035_MED_PR	MED	10
K2428-06B	SL	SW8260_MED_S	SW5035_MED_PR	MED	1
K2428-07B	SL	SW8260_MED_S	SW5035_MED_PR	MED	1
SW8260_W					
K2428-01B	SL	SW8260_W	NA	LOW	1
K2428-08C	SL	SW8260_W	NA	LOW	1

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : 690 Saint Paul Street -- 208492 **SDG :** K2428

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
SW8270_S					
K2428-02A	SL	SW8270_S	BNA_S_PR	NA	1
K2428-03A	SL	SW8270_S	BNA_S_PR	NA	1
K2428-05A	SL	SW8270_S	BNA_S_PR	NA	1
K2428-06A	SL	SW8270_S	BNA_S_PR	NA	1
K2428-07A	SL	SW8270_S	BNA_S_PR	NA	1
K2428-07ADL	SL	SW8270_S	BNA_S_PR	NA	4

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary GC*

Project Name : 690 Saint Paul Street -- 208492 **SDG :** K2428

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
SW8081_S					
K2428-02A	SL	SW8081_S	PEST_S_PR	NA	1
K2428-03A	SL	SW8081_S	PEST_S_PR	NA	1
K2428-05A	SL	SW8081_S	PEST_S_PR	NA	1
K2428-06A	SL	SW8081_S	PEST_S_PR	NA	1
K2428-07A	SL	SW8081_S	PEST_S_PR	NA	1
K2428-08A	SL	SW8081_S	PEST_S_PR	NA	1
SW8082_S					
K2428-02A	SL	SW8082_S	PCB_S_PR	NA	1
K2428-03A	SL	SW8082_S	PCB_S_PR	NA	1
K2428-05A	SL	SW8082_S	PCB_S_PR	NA	1
K2428-06A	SL	SW8082_S	PCB_S_PR	NA	1
K2428-07A	SL	SW8082_S	PCB_S_PR	NA	1
K2428-08A	SL	SW8082_S	PCB_S_PR	NA	1

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary ME

Project Name : 690 Saint Paul Street -- 208492 **SDG :** K2428

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
SW6010_S				
K2428-02A	SL	SW6010_S	11/17/2011	11/18/2011
K2428-03A	SL	SW6010_S	11/17/2011	11/18/2011
SW7471				
K2428-02A	SL	SW7471	11/17/2011	11/18/2011
K2428-03A	SL	SW7471	11/17/2011	11/18/2011

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

New York State Department of Environmental Conservation

Sample Preparation and Analysis Summary Toxicity Characteristic Leaching Procedure

Project Name : 690 Saint Paul Street -- 208492 **SDG :** K2428

Laboratory Sample ID	Matrix	Analytical Protocol	Date Collected	Date Received By Lab	Date Extracted
SW1311					
K2428-01B	SL	SW1311	11/16/2011	11/17/2011	11/29/2011
K2428-08C	SL	SW1311	11/16/2011	11/17/2011	11/21/2011

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

WorkOrder: K2428

Client ID: LABELLA
Project: 690 Saint Paul Street
WO Name: 690 Saint Paul Street
Location: LABELLA_ST_PAUL, 208492

Case:
SDG:
PO: 208492

HC Due: 12/01/11
Fax Due: 11/29/11
Fax Report: ☑

Report Level: ASP-B
Special Program:
EDD: ENVIRO_16
GISKEY

Comments: added TCLP_VOA (report cis1,2DCE also) to K2428-01. Hold time up 11/30. email fax data to Evan Dumrese and Dan Noll. . no hard copy

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
K2428-01A	WEATHERED RX PIECES	11/16/2011 14:15	11/17/2011	Soil	PMoist	/					VOA
K2428-01A	WEATHERED RX PIECES	11/16/2011 14:15	11/17/2011	Soil	SW8260_LOW_S	/ 2CVE+special+STARS_VOC+TICS				Y	VOA
K2428-01A	WEATHERED RX PIECES	11/16/2011 14:15	11/17/2011	Soil	SW8260_MED_S	/ 2CVE+special+STARS_VOC+TICS				Y	VOA
K2428-01B	WEATHERED RX PIECES	11/16/2011 14:15	11/17/2011	Soil	SW8260_W	/ TCLP_VOA+cis1,2DCE				Y	VOA
K2428-02A	CLASS 1 PILE-DRY	11/16/2011 14:40	11/17/2011	Soil	PMoist	/					A1
K2428-02A	CLASS 1 PILE-DRY	11/16/2011 14:40	11/17/2011	Soil	SW6010_S	/ TAL				Y	A1
K2428-02A	CLASS 1 PILE-DRY	11/16/2011 14:40	11/17/2011	Soil	SW7471	/ TAL					A1
K2428-02A	CLASS 1 PILE-DRY	11/16/2011 14:40	11/17/2011	Soil	SW8081_S	/					A1
K2428-02A	CLASS 1 PILE-DRY	11/16/2011 14:40	11/17/2011	Soil	SW8082_S	/					A1
K2428-02A	CLASS 1 PILE-DRY	11/16/2011 14:40	11/17/2011	Soil	SW8270_S	/ TCL + STARS+TICS				Y	A1
K2428-02B	CLASS 1 PILE-DRY	11/16/2011 14:40	11/17/2011	Soil	SW8260_LOW_S	/ 2CVE+special+STARS_VOC+TICS				Y	VOA
K2428-02B	CLASS 1 PILE-DRY	11/16/2011 14:40	11/17/2011	Soil	SW8260_MED_S	/ 2CVE+special+STARS_VOC+TICS		Y		Y	VOA
K2428-03A	CLASS 1 PILE-WET	11/16/2011 14:50	11/17/2011	Soil	PMoist	/					A1
K2428-03A	CLASS 1 PILE-WET	11/16/2011 14:50	11/17/2011	Soil	SW6010_S	/ TAL				Y	A1
K2428-03A	CLASS 1 PILE-WET	11/16/2011 14:50	11/17/2011	Soil	SW7471	/ TAL					A1
K2428-03A	CLASS 1 PILE-WET	11/16/2011 14:50	11/17/2011	Soil	SW8081_S	/					A1
K2428-03A	CLASS 1 PILE-WET	11/16/2011 14:50	11/17/2011	Soil	SW8082_S	/					A1
K2428-03A	CLASS 1 PILE-WET	11/16/2011 14:50	11/17/2011	Soil	SW8270_S	/ TCL + STARS+TICS				Y	A1
K2428-03B	CLASS 1 PILE-WET	11/16/2011 14:50	11/17/2011	Soil	SW8260_LOW_S	/ 2CVE+special+STARS_VOC+TICS				Y	VOA
K2428-03B	CLASS 1 PILE-WET	11/16/2011 14:50	11/17/2011	Soil	SW8260_MED_S	/ 2CVE+special+STARS_VOC+TICS		Y		Y	VOA
K2428-04A	CLASS 1 PILE DRY-2	11/16/2011 14:40	11/17/2011	Soil	PMoist	/					VOA
K2428-04A	CLASS 1 PILE DRY-2	11/16/2011 14:40	11/17/2011	Soil	SW8260_LOW_S	/ 2CVE+special+STARS_VOC+TICS				Y	VOA
K2428-04A	CLASS 1 PILE DRY-2	11/16/2011 14:40	11/17/2011	Soil	SW8260_MED_S	/ 2CVE+special+STARS_VOC+TICS		Y		Y	VOA

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

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Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

WorkOrder: K2428

Client ID: LABELLA
Project: 690 Saint Paul Street
WO Name: 690 Saint Paul Street
Location: LABELLA_ST_PAUL, 208492

Case:
SDG:
PO: 208492

HC Due: 12/01/11
Fax Due: 11/29/11
Fax Report: ☑

Report Level: ASP-B
Special Program:
EDD: ENVIRO_16
GISKEY

Comments: added TCLP_VOA (report cis1,2DCE also) to K2428-01. Hold time up 11/30. email fax data to Evan Dumrese and Dan Noll. . no hard copy

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
K2428-05A	AOC1-CS-1	11/16/2011 15:15	11/17/2011	Soil	PMoist	/					A1
K2428-05A	AOC1-CS-1	11/16/2011 15:15	11/17/2011	Soil	SW8081_S	/					A1
K2428-05A	AOC1-CS-1	11/16/2011 15:15	11/17/2011	Soil	SW8082_S	/					A1
K2428-05A	AOC1-CS-1	11/16/2011 15:15	11/17/2011	Soil	SW8270_S	/ TCL + STARS+TICS				Y	A1
K2428-05B	AOC1-CS-1	11/16/2011 15:15	11/17/2011	Soil	SW8260_LOW_S	/ 2CVE+special+STARS_VOC+TICS				Y	VOA
K2428-05B	AOC1-CS-1	11/16/2011 15:15	11/17/2011	Soil	SW8260_MED_S	/ 2CVE+special+STARS_VOC+TICS		Y		Y	VOA
K2428-06A	AOC1-CS-2	11/16/2011 15:25	11/17/2011	Soil	PMoist	/					A1
K2428-06A	AOC1-CS-2	11/16/2011 15:25	11/17/2011	Soil	SW8081_S	/					A1
K2428-06A	AOC1-CS-2	11/16/2011 15:25	11/17/2011	Soil	SW8082_S	/					A1
K2428-06A	AOC1-CS-2	11/16/2011 15:25	11/17/2011	Soil	SW8270_S	/ TCL + STARS+TICS				Y	A1
K2428-06B	AOC1-CS-2	11/16/2011 15:25	11/17/2011	Soil	SW8260_LOW_S	/ 2CVE+special+STARS_VOC+TICS				Y	VOA
K2428-06B	AOC1-CS-2	11/16/2011 15:25	11/17/2011	Soil	SW8260_MED_S	/ 2CVE+special+STARS_VOC+TICS				Y	VOA
K2428-07A	AOC1-CS-3	11/16/2011 15:30	11/17/2011	Soil	PMoist	/					A1
K2428-07A	AOC1-CS-3	11/16/2011 15:30	11/17/2011	Soil	SW8081_S	/					A1
K2428-07A	AOC1-CS-3	11/16/2011 15:30	11/17/2011	Soil	SW8082_S	/					A1
K2428-07A	AOC1-CS-3	11/16/2011 15:30	11/17/2011	Soil	SW8270_S	/ TCL + STARS+TICS				Y	A1
K2428-07B	AOC1-CS-3	11/16/2011 15:30	11/17/2011	Soil	SW8260_LOW_S	/ 2CVE+special+STARS_VOC+TICS				Y	VOA
K2428-07B	AOC1-CS-3	11/16/2011 15:30	11/17/2011	Soil	SW8260_MED_S	/ 2CVE+special+STARS_VOC+TICS				Y	VOA
K2428-08A	WCS-111611-1	11/16/2011 15:45	11/17/2011	Soil	PMoist	/					A1
K2428-08A	WCS-111611-1	11/16/2011 15:45	11/17/2011	Soil	SW8081_S	/					A1
K2428-08A	WCS-111611-1	11/16/2011 15:45	11/17/2011	Soil	SW8082_S	/					A1
K2428-08B	WCS-111611-1	11/16/2011 15:45	11/17/2011	Soil	SW8260_LOW_S	/ 2CVE+special+STARS_VOC+TICS				Y	VOA
K2428-08B	WCS-111611-1	11/16/2011 15:45	11/17/2011	Soil	SW8260_MED_S	/ 2CVE+special+STARS_VOC+TICS		Y		Y	VOA

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

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Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

WorkOrder: K2428

Client ID: LABELLA
Project: 690 Saint Paul Street
WO Name: 690 Saint Paul Street
Location: LABELLA_ST_PAUL, 208492

Case:
SDG:
PO: 208492

HC Due: 12/01/11
Fax Due: 11/29/11
Fax Report: ☑

Report Level: ASP-B
Special Program:
EDD: ENVIRO_16
GISKEY

Comments: added TCLP_VOA (report cis1,2DCE also) to K2428-01. Hold time up 11/30. email fax data to Evan Dumrese and Dan Noll. . no hard copy

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
K2428-08C	WCS-111611-1	11/16/2011 15:45	11/17/2011	Soil	SW8260_W	SAME JAR AS 8B / TCLP_VOA				Y	VOA

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

* Volatiles *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : LaBella Associates

Project: 690 Saint Paul Street

Laboratory Workorder / SDG #: K2428

SW846 8260C, VOC by GC-MS

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SW846 8260C.

IV. PREPARATION

Soil Samples were prepared following procedures in laboratory test code: SW5035
Soil Samples were prepared following procedures in laboratory test code: SW5030

V. INSTRUMENTATION

The following instrumentation was used

Instrument Code: V1
Instrument Type: GCMS-VOA
Description: HP5890 II / HP5972
Manufacturer: Hewlett-Packard
Model: 5890 / 5972
GC Column used: 30 m X 0.25 mm ID [1.40 um thickness] DB-624 capillary column.

Instrument Code: V6
Instrument Type: GCMS-VOA
Description: HP6890 / HP5973
Manufacturer: Hewlett-Packard
Model: 6890 / 5973
GC Column used: 30 m X 0.25 mm ID [1.40 um thickness] DB-624 capillary column.

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Surrogates:

Surrogate standard percent recoveries were within the QC limits.

D. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits with the following exceptions.

E. Internal Standards:

Internal standard peak areas were within the QC limits.

F. Dilutions:

The following samples were analyzed at dilution:

WEATHERED RX PIECES (K2428-01A) : Dilution Factor: 10 at

medium level analysis

AOC1-CS-2 (K2428-06B): analyzed by medium level analysis

AOC1-CS-3 (K2428-07B): analyzed by medium level analysis

G. Samples:

No other unusual occurrences were noted during sample analysis.

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

Signed: 

Date: 12/7/11

Data Flag/Qualifiers:

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates an interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as aldol condensation byproducts.

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEATHERED RX PIECES

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-01A

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1M4513.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 7.3 Date Analyzed: 11/17/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	5.4	U
75-01-4	Vinyl chloride	6.7	
74-83-9	Bromomethane	5.4	U
75-00-3	Chloroethane	5.4	U
75-69-4	Trichlorofluoromethane	5.4	U
75-35-4	1,1-Dichloroethene	3.0	J
67-64-1	Acetone	5.4	U
75-15-0	Carbon disulfide	4.6	J
75-09-2	Methylene chloride	5.4	U
156-60-5	trans-1,2-Dichloroethene	2.3	J
1634-04-4	Methyl tert-butyl ether	5.4	U
75-34-3	1,1-Dichloroethane	5.4	U
108-05-4	Vinyl acetate	5.4	U
78-93-3	2-Butanone	5.4	U
156-59-2	cis-1,2-Dichloroethene	360	E
67-66-3	Chloroform	5.4	U
71-55-6	1,1,1-Trichloroethane	5.4	U
56-23-5	Carbon tetrachloride	5.4	U
107-06-2	1,2-Dichloroethane	5.4	U
71-43-2	Benzene	5.4	U
79-01-6	Trichloroethene	2700	E
78-87-5	1,2-Dichloropropane	5.4	U
75-27-4	Bromodichloromethane	5.4	U
10061-01-5	cis-1,3-Dichloropropene	5.4	U
108-10-1	4-Methyl-2-pentanone	5.4	U
108-88-3	Toluene	3.6	J
10061-02-6	trans-1,3-Dichloropropene	5.4	U
79-00-5	1,1,2-Trichloroethane	5.4	U
127-18-4	Tetrachloroethene	31	
591-78-6	2-Hexanone	5.4	U
124-48-1	Dibromochloromethane	5.4	U
108-90-7	Chlorobenzene	5.4	U
100-41-4	Ethylbenzene	2.2	J
1330-20-7	m,p-Xylene	2.0	J
95-47-6	o-Xylene	5.4	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEATHERED RX PIECES

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-01A

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1M4513.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 7.3 Date Analyzed: 11/17/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	2.0	J
100-42-5	Styrene	5.4	U
75-25-2	Bromoform	5.4	U
98-82-8	Isopropylbenzene	5.4	U
79-34-5	1,1,2,2-Tetrachloroethane	5.4	U
103-65-1	n-Propylbenzene	5.4	U
108-67-8	1,3,5-Trimethylbenzene	5.4	U
98-06-6	tert-Butylbenzene	5.4	U
95-63-6	1,2,4-Trimethylbenzene	5.4	U
135-98-8	sec-Butylbenzene	5.4	U
99-87-6	4-Isopropyltoluene	5.4	U
541-73-1	1,3-Dichlorobenzene	5.4	U
106-46-7	1,4-Dichlorobenzene	5.4	U
104-51-8	n-Butylbenzene	5.4	U
95-50-1	1,2-Dichlorobenzene	5.4	U
91-20-3	Naphthalene	5.4	U
110-75-8	2-Chloroethyl vinyl ether	5.4	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WEATHERED RX PIECES

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-01A

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1M4513.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 7.3 Date Analyzed: 11/17/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	7.089	8.6	J

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEATHERED RX PIECESME

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-01A

Sample wt/vol: 5.40 (g/mL) G Lab File ID: V6I4076.D

Level: (TRACE/LOW/MED) MED Date Received: 11/17/2011

% Moisture: not dec. 7.3 Date Analyzed: 11/19/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	2700	U
75-01-4	Vinyl chloride	2700	U
74-83-9	Bromomethane	2700	U
75-00-3	Chloroethane	2700	U
75-69-4	Trichlorofluoromethane	2700	U
75-35-4	1,1-Dichloroethene	2700	U
67-64-1	Acetone	2700	U
75-15-0	Carbon disulfide	2700	U
75-09-2	Methylene chloride	2700	U
156-60-5	trans-1,2-Dichloroethene	2700	U
1634-04-4	Methyl tert-butyl ether	2700	U
75-34-3	1,1-Dichloroethane	2700	U
108-05-4	Vinyl acetate	2700	U
78-93-3	2-Butanone	2700	U
156-59-2	cis-1,2-Dichloroethene	1700	J
67-66-3	Chloroform	2700	U
71-55-6	1,1,1-Trichloroethane	2700	U
56-23-5	Carbon tetrachloride	2700	U
107-06-2	1,2-Dichloroethane	2700	U
71-43-2	Benzene	2700	U
79-01-6	Trichloroethene	18000	
78-87-5	1,2-Dichloropropane	2700	U
75-27-4	Bromodichloromethane	2700	U
10061-01-5	cis-1,3-Dichloropropene	2700	U
108-10-1	4-Methyl-2-pentanone	2700	U
108-88-3	Toluene	2700	U
10061-02-6	trans-1,3-Dichloropropene	2700	U
79-00-5	1,1,2-Trichloroethane	2700	U
127-18-4	Tetrachloroethene	2700	U
591-78-6	2-Hexanone	2700	U
124-48-1	Dibromochloromethane	2700	U
108-90-7	Chlorobenzene	2700	U
100-41-4	Ethylbenzene	2700	U
1330-20-7	m,p-Xylene	2700	U
95-47-6	o-Xylene	2700	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEATHERED RX PIECESME

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-01A

Sample wt/vol: 5.40 (g/mL) G Lab File ID: V6I4076.D

Level: (TRACE/LOW/MED) MED Date Received: 11/17/2011

% Moisture: not dec. 7.3 Date Analyzed: 11/19/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	2700	U
100-42-5	Styrene	2700	U
75-25-2	Bromoform	2700	U
98-82-8	Isopropylbenzene	2700	U
79-34-5	1,1,2,2-Tetrachloroethane	2700	U
103-65-1	n-Propylbenzene	2700	U
108-67-8	1,3,5-Trimethylbenzene	2700	U
98-06-6	tert-Butylbenzene	2700	U
95-63-6	1,2,4-Trimethylbenzene	2700	U
135-98-8	sec-Butylbenzene	2700	U
99-87-6	4-Isopropyltoluene	2700	U
541-73-1	1,3-Dichlorobenzene	2700	U
106-46-7	1,4-Dichlorobenzene	2700	U
104-51-8	n-Butylbenzene	2700	U
95-50-1	1,2-Dichlorobenzene	2700	U
91-20-3	Naphthalene	2700	U
110-75-8	2-Chloroethyl vinyl ether	2700	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WEATHERED RX PIECESME

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-01A

Sample wt/vol: 5.40 (g/mL) G Lab File ID: V6I4076.D

Level: (TRACE or LOW/MED) MED Date Received: 11/17/2011

% Moisture: not dec. 7.3 Date Analyzed: 11/19/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CLASS 1 PILE-DRY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-02B

Sample wt/vol: 5.10 (g/mL) G Lab File ID: V1M4574.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 8.2 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	5.3	U
75-01-4	Vinyl chloride	5.3	U
74-83-9	Bromomethane	5.3	U
75-00-3	Chloroethane	5.3	U
75-69-4	Trichlorofluoromethane	5.3	U
75-35-4	1,1-Dichloroethene	5.3	U
67-64-1	Acetone	5.3	U
75-15-0	Carbon disulfide	5.3	U
75-09-2	Methylene chloride	1.6	J
156-60-5	trans-1,2-Dichloroethene	5.3	U
1634-04-4	Methyl tert-butyl ether	5.3	U
75-34-3	1,1-Dichloroethane	5.3	U
108-05-4	Vinyl acetate	5.3	U
78-93-3	2-Butanone	5.3	U
156-59-2	cis-1,2-Dichloroethene	3.3	J
67-66-3	Chloroform	5.3	U
71-55-6	1,1,1-Trichloroethane	5.3	U
56-23-5	Carbon tetrachloride	5.3	U
107-06-2	1,2-Dichloroethane	5.3	U
71-43-2	Benzene	5.3	U
79-01-6	Trichloroethene	5.7	
78-87-5	1,2-Dichloropropane	5.3	U
75-27-4	Bromodichloromethane	5.3	U
10061-01-5	cis-1,3-Dichloropropene	5.3	U
108-10-1	4-Methyl-2-pentanone	5.3	U
108-88-3	Toluene	3.7	BJ
10061-02-6	trans-1,3-Dichloropropene	5.3	U
79-00-5	1,1,2-Trichloroethane	5.3	U
127-18-4	Tetrachloroethene	5.3	U
591-78-6	2-Hexanone	5.3	U
124-48-1	Dibromochloromethane	5.3	U
108-90-7	Chlorobenzene	5.3	U
100-41-4	Ethylbenzene	5.3	U
1330-20-7	m,p-Xylene	5.3	U
95-47-6	o-Xylene	5.3	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CLASS 1 PILE-DRY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-02B

Sample wt/vol: 5.10 (g/mL) G Lab File ID: V1M4574.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 8.2 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	5.3	U
100-42-5	Styrene	5.3	U
75-25-2	Bromoform	5.3	U
98-82-8	Isopropylbenzene	5.3	U
79-34-5	1,1,2,2-Tetrachloroethane	5.3	U
103-65-1	n-Propylbenzene	5.3	U
108-67-8	1,3,5-Trimethylbenzene	5.3	U
98-06-6	tert-Butylbenzene	5.3	U
95-63-6	1,2,4-Trimethylbenzene	5.3	U
135-98-8	sec-Butylbenzene	5.3	U
99-87-6	4-Isopropyltoluene	5.3	U
541-73-1	1,3-Dichlorobenzene	5.3	U
106-46-7	1,4-Dichlorobenzene	5.3	U
104-51-8	n-Butylbenzene	5.3	U
95-50-1	1,2-Dichlorobenzene	5.3	U
91-20-3	Naphthalene	5.3	U
110-75-8	2-Chloroethyl vinyl ether	5.3	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CLASS 1 PILE-DRY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-02B

Sample wt/vol: 5.10 (g/mL) G Lab File ID: V1M4574.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 8.2 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	556-67-2	Cyclotetrasiloxane, octameth	11.862	12	NJ

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CLASS 1 PILE-WET

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-03B

Sample wt/vol: 5.90 (g/mL) G Lab File ID: V1M4567.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 14 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	4.9	U
75-01-4	Vinyl chloride	1.3	J
74-83-9	Bromomethane	4.9	U
75-00-3	Chloroethane	4.9	U
75-69-4	Trichlorofluoromethane	4.9	U
75-35-4	1,1-Dichloroethene	4.9	U
67-64-1	Acetone	4.9	U
75-15-0	Carbon disulfide	4.9	U
75-09-2	Methylene chloride	4.9	U
156-60-5	trans-1,2-Dichloroethene	4.9	U
1634-04-4	Methyl tert-butyl ether	4.9	U
75-34-3	1,1-Dichloroethane	4.9	U
108-05-4	Vinyl acetate	4.9	U
78-93-3	2-Butanone	4.9	U
156-59-2	cis-1,2-Dichloroethene	15	
67-66-3	Chloroform	4.9	U
71-55-6	1,1,1-Trichloroethane	4.9	U
56-23-5	Carbon tetrachloride	4.9	U
107-06-2	1,2-Dichloroethane	4.9	U
71-43-2	Benzene	4.9	U
79-01-6	Trichloroethene	12	
78-87-5	1,2-Dichloropropane	4.9	U
75-27-4	Bromodichloromethane	4.9	U
10061-01-5	cis-1,3-Dichloropropene	4.9	U
108-10-1	4-Methyl-2-pentanone	4.9	U
108-88-3	Toluene	3.0	BJ
10061-02-6	trans-1,3-Dichloropropene	4.9	U
79-00-5	1,1,2-Trichloroethane	4.9	U
127-18-4	Tetrachloroethene	4.9	U
591-78-6	2-Hexanone	4.9	U
124-48-1	Dibromochloromethane	4.9	U
108-90-7	Chlorobenzene	4.9	U
100-41-4	Ethylbenzene	4.9	U
1330-20-7	m,p-Xylene	4.9	U
95-47-6	o-Xylene	1.1	J

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CLASS 1 PILE-WET

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-03B

Sample wt/vol: 5.90 (g/mL) G Lab File ID: V1M4567.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 14 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	2.2	J
100-42-5	Styrene	4.9	U
75-25-2	Bromoform	4.9	U
98-82-8	Isopropylbenzene	4.9	U
79-34-5	1,1,2,2-Tetrachloroethane	4.9	U
103-65-1	n-Propylbenzene	4.9	U
108-67-8	1,3,5-Trimethylbenzene	4.9	U
98-06-6	tert-Butylbenzene	4.9	U
95-63-6	1,2,4-Trimethylbenzene	4.9	U
135-98-8	sec-Butylbenzene	4.9	U
99-87-6	4-Isopropyltoluene	4.9	U
541-73-1	1,3-Dichlorobenzene	4.9	U
106-46-7	1,4-Dichlorobenzene	4.9	U
104-51-8	n-Butylbenzene	4.9	U
95-50-1	1,2-Dichlorobenzene	4.9	U
91-20-3	Naphthalene	4.9	U
110-75-8	2-Chloroethyl vinyl ether	4.9	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CLASS 1 PILE-WET

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-03B

Sample wt/vol: 5.90 (g/mL) G Lab File ID: V1M4567.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 14 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CLASS 1 PILE DRY-2

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-04A

Sample wt/vol: 6.10 (g/mL) G Lab File ID: V1M4570.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 9.0 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	4.5	U
75-01-4	Vinyl chloride	4.5	U
74-83-9	Bromomethane	4.5	U
75-00-3	Chloroethane	4.5	U
75-69-4	Trichlorofluoromethane	4.5	U
75-35-4	1,1-Dichloroethene	4.5	U
67-64-1	Acetone	4.5	U
75-15-0	Carbon disulfide	4.5	U
75-09-2	Methylene chloride	6.0	
156-60-5	trans-1,2-Dichloroethene	4.5	U
1634-04-4	Methyl tert-butyl ether	4.5	U
75-34-3	1,1-Dichloroethane	4.5	U
108-05-4	Vinyl acetate	4.5	U
78-93-3	2-Butanone	4.5	U
156-59-2	cis-1,2-Dichloroethene	4.5	U
67-66-3	Chloroform	4.5	U
71-55-6	1,1,1-Trichloroethane	4.5	U
56-23-5	Carbon tetrachloride	4.5	U
107-06-2	1,2-Dichloroethane	4.5	U
71-43-2	Benzene	4.5	U
79-01-6	Trichloroethene	1.3	J
78-87-5	1,2-Dichloropropane	4.5	U
75-27-4	Bromodichloromethane	4.5	U
10061-01-5	cis-1,3-Dichloropropene	4.5	U
108-10-1	4-Methyl-2-pentanone	4.5	U
108-88-3	Toluene	3.0	BJ
10061-02-6	trans-1,3-Dichloropropene	4.5	U
79-00-5	1,1,2-Trichloroethane	4.5	U
127-18-4	Tetrachloroethene	4.5	U
591-78-6	2-Hexanone	4.5	U
124-48-1	Dibromochloromethane	4.5	U
108-90-7	Chlorobenzene	4.5	U
100-41-4	Ethylbenzene	4.5	U
1330-20-7	m,p-Xylene	4.5	U
95-47-6	o-Xylene	4.5	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CLASS 1 PILE DRY-2

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-04A

Sample wt/vol: 6.10 (g/mL) G Lab File ID: V1M4570.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 9.0 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	4.5	U
100-42-5	Styrene	4.5	U
75-25-2	Bromoform	4.5	U
98-82-8	Isopropylbenzene	4.5	U
79-34-5	1,1,2,2-Tetrachloroethane	4.5	U
103-65-1	n-Propylbenzene	4.5	U
108-67-8	1,3,5-Trimethylbenzene	4.5	U
98-06-6	tert-Butylbenzene	4.5	U
95-63-6	1,2,4-Trimethylbenzene	4.5	U
135-98-8	sec-Butylbenzene	4.5	U
99-87-6	4-Isopropyltoluene	4.5	U
541-73-1	1,3-Dichlorobenzene	4.5	U
106-46-7	1,4-Dichlorobenzene	4.5	U
104-51-8	n-Butylbenzene	4.5	U
95-50-1	1,2-Dichlorobenzene	4.5	U
91-20-3	Naphthalene	4.5	U
110-75-8	2-Chloroethyl vinyl ether	4.5	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CLASS 1 PILE DRY-2

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-04A

Sample wt/vol: 6.10 (g/mL) G Lab File ID: V1M4570.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 9.0 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AOC1-CS-1

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-05B

Sample wt/vol: 5.30 (g/mL) G Lab File ID: V1M4568.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 12 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	5.4	U
75-01-4	Vinyl chloride	5.4	U
74-83-9	Bromomethane	5.4	U
75-00-3	Chloroethane	5.4	U
75-69-4	Trichlorofluoromethane	5.4	U
75-35-4	1,1-Dichloroethene	5.4	U
67-64-1	Acetone	5.4	U
75-15-0	Carbon disulfide	5.4	U
75-09-2	Methylene chloride	5.4	U
156-60-5	trans-1,2-Dichloroethene	5.4	U
1634-04-4	Methyl tert-butyl ether	5.4	U
75-34-3	1,1-Dichloroethane	5.4	U
108-05-4	Vinyl acetate	5.4	U
78-93-3	2-Butanone	5.4	U
156-59-2	cis-1,2-Dichloroethene	4.0	J
67-66-3	Chloroform	5.4	U
71-55-6	1,1,1-Trichloroethane	5.4	U
56-23-5	Carbon tetrachloride	5.4	U
107-06-2	1,2-Dichloroethane	5.4	U
71-43-2	Benzene	5.4	U
79-01-6	Trichloroethene	2.9	J
78-87-5	1,2-Dichloropropane	5.4	U
75-27-4	Bromodichloromethane	5.4	U
10061-01-5	cis-1,3-Dichloropropene	5.4	U
108-10-1	4-Methyl-2-pentanone	5.4	U
108-88-3	Toluene	4.2	BJ
10061-02-6	trans-1,3-Dichloropropene	5.4	U
79-00-5	1,1,2-Trichloroethane	5.4	U
127-18-4	Tetrachloroethene	5.4	U
591-78-6	2-Hexanone	5.4	U
124-48-1	Dibromochloromethane	5.4	U
108-90-7	Chlorobenzene	5.4	U
100-41-4	Ethylbenzene	5.4	U
1330-20-7	m,p-Xylene	5.4	U
95-47-6	o-Xylene	5.4	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AOC1-CS-1

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-05B

Sample wt/vol: 5.30 (g/mL) G Lab File ID: V1M4568.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 12 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	5.4	U
100-42-5	Styrene	5.4	U
75-25-2	Bromoform	5.4	U
98-82-8	Isopropylbenzene	5.4	U
79-34-5	1,1,2,2-Tetrachloroethane	5.4	U
103-65-1	n-Propylbenzene	5.4	U
108-67-8	1,3,5-Trimethylbenzene	5.4	U
98-06-6	tert-Butylbenzene	5.4	U
95-63-6	1,2,4-Trimethylbenzene	5.4	U
135-98-8	sec-Butylbenzene	5.4	U
99-87-6	4-Isopropyltoluene	5.4	U
541-73-1	1,3-Dichlorobenzene	5.4	U
106-46-7	1,4-Dichlorobenzene	5.4	U
104-51-8	n-Butylbenzene	5.4	U
95-50-1	1,2-Dichlorobenzene	5.4	U
91-20-3	Naphthalene	5.4	U
110-75-8	2-Chloroethyl vinyl ether	5.4	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AOC1-CS-1

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-05B

Sample wt/vol: 5.30 (g/mL) G Lab File ID: V1M4568.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 12 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	493-02-7	Naphthalene, decahydro-, tra	13.344	49	NJ
02		Unknown (13.57042)	13.570	33	J
03		Unknown (13.68862)	13.689	51	J
04		Unknown (14.06290)	14.063	44	J
05	2958-75-0	1-Methyldecahydronaphthalene	14.299	44	NJ
06		Unknown (14.73267)	14.733	33	J
07	6044-71-9	Dodecane, 6-methyl-	14.861	31	NJ
08		Unknown (14.90012)	14.900	31	J
09		Unknown (15.02817)	15.028	31	J
10	26730-14-3	Tridecane, 7-methyl-	15.491	41	NJ
11		Unknown (15.57975)	15.580	33	J

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AOC1-CS-2

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-06B

Sample wt/vol: 5.10 (g/mL) G Lab File ID: V1M4517.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 8.7 Date Analyzed: 11/17/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	5.4	U
75-01-4	Vinyl chloride	5.4	U
74-83-9	Bromomethane	5.4	U
75-00-3	Chloroethane	5.4	U
75-69-4	Trichlorofluoromethane	5.4	U
75-35-4	1,1-Dichloroethene	5.4	U
67-64-1	Acetone	5.4	U
75-15-0	Carbon disulfide	3.7	J
75-09-2	Methylene chloride	5.4	U
156-60-5	trans-1,2-Dichloroethene	2.4	J
1634-04-4	Methyl tert-butyl ether	5.4	U
75-34-3	1,1-Dichloroethane	5.4	U
108-05-4	Vinyl acetate	5.4	U
78-93-3	2-Butanone	5.4	U
156-59-2	cis-1,2-Dichloroethene	120	
67-66-3	Chloroform	5.4	U
71-55-6	1,1,1-Trichloroethane	5.4	U
56-23-5	Carbon tetrachloride	5.4	U
107-06-2	1,2-Dichloroethane	5.4	U
71-43-2	Benzene	5.4	U
79-01-6	Trichloroethene	580	E
78-87-5	1,2-Dichloropropane	5.4	U
75-27-4	Bromodichloromethane	5.4	U
10061-01-5	cis-1,3-Dichloropropene	5.4	U
108-10-1	4-Methyl-2-pentanone	5.4	U
108-88-3	Toluene	2.6	J
10061-02-6	trans-1,3-Dichloropropene	5.4	U
79-00-5	1,1,2-Trichloroethane	5.4	U
127-18-4	Tetrachloroethene	2.9	J
591-78-6	2-Hexanone	5.4	U
124-48-1	Dibromochloromethane	5.4	U
108-90-7	Chlorobenzene	5.4	U
100-41-4	Ethylbenzene	5.4	U
1330-20-7	m,p-Xylene	5.4	U
95-47-6	o-Xylene	5.4	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AOC1-CS-2

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-06B

Sample wt/vol: 5.10 (g/mL) G Lab File ID: V1M4517.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 8.7 Date Analyzed: 11/17/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	5.4	U
100-42-5	Styrene	5.4	U
75-25-2	Bromoform	5.4	U
98-82-8	Isopropylbenzene	5.4	U
79-34-5	1,1,2,2-Tetrachloroethane	5.4	U
103-65-1	n-Propylbenzene	5.4	U
108-67-8	1,3,5-Trimethylbenzene	5.4	U
98-06-6	tert-Butylbenzene	5.4	U
95-63-6	1,2,4-Trimethylbenzene	5.4	U
135-98-8	sec-Butylbenzene	5.4	U
99-87-6	4-Isopropyltoluene	5.4	U
541-73-1	1,3-Dichlorobenzene	5.4	U
106-46-7	1,4-Dichlorobenzene	5.4	U
104-51-8	n-Butylbenzene	5.4	U
95-50-1	1,2-Dichlorobenzene	5.4	U
91-20-3	Naphthalene	5.4	U
110-75-8	2-Chloroethyl vinyl ether	5.4	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AOC1-CS-2

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-06B

Sample wt/vol: 5.10 (g/mL) G Lab File ID: V1M4517.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 8.7 Date Analyzed: 11/17/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	107-83-5	Pentane, 2-methyl-	3.878	19	NJ
02		Unknown	5.750	8.5	J
03	589-34-4	Hexane, 3-methyl-	5.947	5.5	NJ
04	108-87-2	Cyclohexane, methyl-	7.099	6.1	NJ

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AOC1-CS-2ME

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-06B

Sample wt/vol: 5.10 (g/mL) G Lab File ID: V6I4049.D

Level: (TRACE/LOW/MED) MED Date Received: 11/17/2011

% Moisture: not dec. 8.7 Date Analyzed: 11/18/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	290	U
75-01-4	Vinyl chloride	290	U
74-83-9	Bromomethane	290	U
75-00-3	Chloroethane	290	U
75-69-4	Trichlorofluoromethane	290	U
75-35-4	1,1-Dichloroethene	290	U
67-64-1	Acetone	290	U
75-15-0	Carbon disulfide	290	U
75-09-2	Methylene chloride	290	U
156-60-5	trans-1,2-Dichloroethene	290	U
1634-04-4	Methyl tert-butyl ether	290	U
75-34-3	1,1-Dichloroethane	290	U
108-05-4	Vinyl acetate	290	U
78-93-3	2-Butanone	290	U
156-59-2	cis-1,2-Dichloroethene	290	U
67-66-3	Chloroform	290	U
71-55-6	1,1,1-Trichloroethane	290	U
56-23-5	Carbon tetrachloride	290	U
107-06-2	1,2-Dichloroethane	290	U
71-43-2	Benzene	290	U
79-01-6	Trichloroethene	460	
78-87-5	1,2-Dichloropropane	290	U
75-27-4	Bromodichloromethane	290	U
10061-01-5	cis-1,3-Dichloropropene	290	U
108-10-1	4-Methyl-2-pentanone	290	U
108-88-3	Toluene	290	U
10061-02-6	trans-1,3-Dichloropropene	290	U
79-00-5	1,1,2-Trichloroethane	290	U
127-18-4	Tetrachloroethene	290	U
591-78-6	2-Hexanone	290	U
124-48-1	Dibromochloromethane	290	U
108-90-7	Chlorobenzene	290	U
100-41-4	Ethylbenzene	290	U
1330-20-7	m,p-Xylene	290	U
95-47-6	o-Xylene	290	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AOC1-CS-2ME

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-06B

Sample wt/vol: 5.10 (g/mL) G Lab File ID: V6I4049.D

Level: (TRACE/LOW/MED) MED Date Received: 11/17/2011

% Moisture: not dec. 8.7 Date Analyzed: 11/18/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	290	U
100-42-5	Styrene	290	U
75-25-2	Bromoform	290	U
98-82-8	Isopropylbenzene	290	U
79-34-5	1,1,2,2-Tetrachloroethane	290	U
103-65-1	n-Propylbenzene	290	U
108-67-8	1,3,5-Trimethylbenzene	290	U
98-06-6	tert-Butylbenzene	290	U
95-63-6	1,2,4-Trimethylbenzene	290	U
135-98-8	sec-Butylbenzene	290	U
99-87-6	4-Isopropyltoluene	290	U
541-73-1	1,3-Dichlorobenzene	290	U
106-46-7	1,4-Dichlorobenzene	290	U
104-51-8	n-Butylbenzene	290	U
95-50-1	1,2-Dichlorobenzene	290	U
91-20-3	Naphthalene	290	U
110-75-8	2-Chloroethyl vinyl ether	290	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AOC1-CS-2ME

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-06B

Sample wt/vol: 5.10 (g/mL) G Lab File ID: V6I4049.D

Level: (TRACE or LOW/MED) MED Date Received: 11/17/2011

% Moisture: not dec. 8.7 Date Analyzed: 11/18/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AOC1-CS-3

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-07B

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1M4518.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 14 Date Analyzed: 11/17/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	5.8	U
75-01-4	Vinyl chloride	110	
74-83-9	Bromomethane	5.8	U
75-00-3	Chloroethane	5.8	U
75-69-4	Trichlorofluoromethane	5.8	U
75-35-4	1,1-Dichloroethene	1.5	J
67-64-1	Acetone	5.8	U
75-15-0	Carbon disulfide	5.8	U
75-09-2	Methylene chloride	5.8	U
156-60-5	trans-1,2-Dichloroethene	3.1	J
1634-04-4	Methyl tert-butyl ether	5.8	U
75-34-3	1,1-Dichloroethane	5.8	U
108-05-4	Vinyl acetate	5.8	U
78-93-3	2-Butanone	5.8	U
156-59-2	cis-1,2-Dichloroethene	520	E
67-66-3	Chloroform	5.8	U
71-55-6	1,1,1-Trichloroethane	5.8	U
56-23-5	Carbon tetrachloride	5.8	U
107-06-2	1,2-Dichloroethane	5.8	U
71-43-2	Benzene	5.8	U
79-01-6	Trichloroethene	500	E
78-87-5	1,2-Dichloropropane	5.8	U
75-27-4	Bromodichloromethane	5.8	U
10061-01-5	cis-1,3-Dichloropropene	5.8	U
108-10-1	4-Methyl-2-pentanone	5.8	U
108-88-3	Toluene	2.0	J
10061-02-6	trans-1,3-Dichloropropene	5.8	U
79-00-5	1,1,2-Trichloroethane	5.8	U
127-18-4	Tetrachloroethene	8.2	
591-78-6	2-Hexanone	5.8	U
124-48-1	Dibromochloromethane	5.8	U
108-90-7	Chlorobenzene	5.8	U
100-41-4	Ethylbenzene	5.8	U
1330-20-7	m,p-Xylene	5.8	U
95-47-6	o-Xylene	5.8	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AOC1-CS-3

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-07B

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1M4518.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 14 Date Analyzed: 11/17/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	5.8	U
100-42-5	Styrene	5.8	U
75-25-2	Bromoform	5.8	U
98-82-8	Isopropylbenzene	5.8	U
79-34-5	1,1,2,2-Tetrachloroethane	5.8	U
103-65-1	n-Propylbenzene	5.8	U
108-67-8	1,3,5-Trimethylbenzene	5.8	U
98-06-6	tert-Butylbenzene	5.8	U
95-63-6	1,2,4-Trimethylbenzene	5.8	U
135-98-8	sec-Butylbenzene	5.8	U
99-87-6	4-Isopropyltoluene	5.8	U
541-73-1	1,3-Dichlorobenzene	5.8	U
106-46-7	1,4-Dichlorobenzene	5.8	U
104-51-8	n-Butylbenzene	5.8	U
95-50-1	1,2-Dichlorobenzene	5.8	U
91-20-3	Naphthalene	2.0	J
110-75-8	2-Chloroethyl vinyl ether	5.8	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AOC1-CS-3

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-07B

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1M4518.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 14 Date Analyzed: 11/17/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AOC1-CS-3ME

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-07B

Sample wt/vol: 5.40 (g/mL) G Lab File ID: V6I4077.D

Level: (TRACE/LOW/MED) MED Date Received: 11/17/2011

% Moisture: not dec. 14 Date Analyzed: 11/19/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	310	U
75-01-4	Vinyl chloride	450	
74-83-9	Bromomethane	310	U
75-00-3	Chloroethane	310	U
75-69-4	Trichlorofluoromethane	310	U
75-35-4	1,1-Dichloroethene	310	U
67-64-1	Acetone	310	U
75-15-0	Carbon disulfide	310	U
75-09-2	Methylene chloride	310	U
156-60-5	trans-1,2-Dichloroethene	310	U
1634-04-4	Methyl tert-butyl ether	310	U
75-34-3	1,1-Dichloroethane	310	U
108-05-4	Vinyl acetate	310	U
78-93-3	2-Butanone	310	U
156-59-2	cis-1,2-Dichloroethene	3300	
67-66-3	Chloroform	310	U
71-55-6	1,1,1-Trichloroethane	310	U
56-23-5	Carbon tetrachloride	310	U
107-06-2	1,2-Dichloroethane	310	U
71-43-2	Benzene	310	U
79-01-6	Trichloroethene	1800	
78-87-5	1,2-Dichloropropane	310	U
75-27-4	Bromodichloromethane	310	U
10061-01-5	cis-1,3-Dichloropropene	310	U
108-10-1	4-Methyl-2-pentanone	310	U
108-88-3	Toluene	310	U
10061-02-6	trans-1,3-Dichloropropene	310	U
79-00-5	1,1,2-Trichloroethane	310	U
127-18-4	Tetrachloroethene	310	U
591-78-6	2-Hexanone	310	U
124-48-1	Dibromochloromethane	310	U
108-90-7	Chlorobenzene	310	U
100-41-4	Ethylbenzene	310	U
1330-20-7	m,p-Xylene	310	U
95-47-6	o-Xylene	310	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AOC1-CS-3ME

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-07B

Sample wt/vol: 5.40 (g/mL) G Lab File ID: V6I4077.D

Level: (TRACE/LOW/MED) MED Date Received: 11/17/2011

% Moisture: not dec. 14 Date Analyzed: 11/19/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	310	U
100-42-5	Styrene	310	U
75-25-2	Bromoform	310	U
98-82-8	Isopropylbenzene	310	U
79-34-5	1,1,2,2-Tetrachloroethane	310	U
103-65-1	n-Propylbenzene	310	U
108-67-8	1,3,5-Trimethylbenzene	310	U
98-06-6	tert-Butylbenzene	310	U
95-63-6	1,2,4-Trimethylbenzene	310	U
135-98-8	sec-Butylbenzene	310	U
99-87-6	4-Isopropyltoluene	310	U
541-73-1	1,3-Dichlorobenzene	310	U
106-46-7	1,4-Dichlorobenzene	310	U
104-51-8	n-Butylbenzene	310	U
95-50-1	1,2-Dichlorobenzene	310	U
91-20-3	Naphthalene	190	J
110-75-8	2-Chloroethyl vinyl ether	310	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AOC1-CS-3ME

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-07B

Sample wt/vol: 5.40 (g/mL) G Lab File ID: V6I4077.D

Level: (TRACE or LOW/MED) MED Date Received: 11/17/2011

% Moisture: not dec. 14 Date Analyzed: 11/19/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WCS-111611-1

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-08B

Sample wt/vol: 5.50 (g/mL) G Lab File ID: V1M4569.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 11 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	5.1	U
75-01-4	Vinyl chloride	5.1	U
74-83-9	Bromomethane	5.1	U
75-00-3	Chloroethane	5.1	U
75-69-4	Trichlorofluoromethane	5.1	U
75-35-4	1,1-Dichloroethene	5.1	U
67-64-1	Acetone	6.7	
75-15-0	Carbon disulfide	5.1	U
75-09-2	Methylene chloride	5.1	U
156-60-5	trans-1,2-Dichloroethene	5.1	U
1634-04-4	Methyl tert-butyl ether	5.1	U
75-34-3	1,1-Dichloroethane	5.1	U
108-05-4	Vinyl acetate	5.1	U
78-93-3	2-Butanone	5.1	U
156-59-2	cis-1,2-Dichloroethene	24	
67-66-3	Chloroform	5.1	U
71-55-6	1,1,1-Trichloroethane	5.1	U
56-23-5	Carbon tetrachloride	5.1	U
107-06-2	1,2-Dichloroethane	5.1	U
71-43-2	Benzene	5.1	U
79-01-6	Trichloroethene	75	
78-87-5	1,2-Dichloropropane	5.1	U
75-27-4	Bromodichloromethane	5.1	U
10061-01-5	cis-1,3-Dichloropropene	5.1	U
108-10-1	4-Methyl-2-pentanone	5.1	U
108-88-3	Toluene	4.9	BJ
10061-02-6	trans-1,3-Dichloropropene	5.1	U
79-00-5	1,1,2-Trichloroethane	5.1	U
127-18-4	Tetrachloroethene	1.1	J
591-78-6	2-Hexanone	5.1	U
124-48-1	Dibromochloromethane	5.1	U
108-90-7	Chlorobenzene	5.1	U
100-41-4	Ethylbenzene	5.1	U
1330-20-7	m,p-Xylene	5.1	U
95-47-6	o-Xylene	5.1	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WCS-111611-1

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-08B

Sample wt/vol: 5.50 (g/mL) G Lab File ID: V1M4569.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 11 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	5.1	U
100-42-5	Styrene	5.1	U
75-25-2	Bromoform	5.1	U
98-82-8	Isopropylbenzene	5.1	U
79-34-5	1,1,2,2-Tetrachloroethane	5.1	U
103-65-1	n-Propylbenzene	5.1	U
108-67-8	1,3,5-Trimethylbenzene	5.1	U
98-06-6	tert-Butylbenzene	5.1	U
95-63-6	1,2,4-Trimethylbenzene	5.1	U
135-98-8	sec-Butylbenzene	5.1	U
99-87-6	4-Isopropyltoluene	5.1	U
541-73-1	1,3-Dichlorobenzene	5.1	U
106-46-7	1,4-Dichlorobenzene	5.1	U
104-51-8	n-Butylbenzene	5.1	U
95-50-1	1,2-Dichlorobenzene	5.1	U
91-20-3	Naphthalene	5.1	U
110-75-8	2-Chloroethyl vinyl ether	5.1	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WCS-111611-1

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-08B

Sample wt/vol: 5.50 (g/mL) G Lab File ID: V1M4569.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/17/2011

% Moisture: not dec. 11 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	493-02-7	Naphthalene, decahydro-, tra	13.347	18	NJ
02		Unknown (13.49452)	13.495	14	J
03		Unknown (14.06580)	14.066	23	J
04		Unknown (14.30218)	14.302	12	J
05	112-95-8	Eicosane	14.696	13	NJ
06		Unknown (14.73557)	14.736	16	J
07		Unknown (14.91287)	14.913	21	J
08		Unknown (15.13940)	15.139	12	J
09		Unknown (15.36593)	15.366	13	J
10		Unknown (15.49398)	15.494	15	J

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-63124

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-63124

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1M4504.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. 0.0 Date Analyzed: 11/17/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-63124

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-63124

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1M4504.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. 0.0 Date Analyzed: 11/17/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U
110-75-8	2-Chloroethyl vinyl ether	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MB-63124

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-63124

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1M4504.D

Level: (TRACE or LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 11/17/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-63175

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-63175

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V6I4035.D

Level: (TRACE/LOW/MED) MED Date Received:

% Moisture: not dec. 0.0 Date Analyzed: 11/18/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	250	U
75-01-4	Vinyl chloride	250	U
74-83-9	Bromomethane	250	U
75-00-3	Chloroethane	250	U
75-69-4	Trichlorofluoromethane	250	U
75-35-4	1,1-Dichloroethene	250	U
67-64-1	Acetone	250	U
75-15-0	Carbon disulfide	250	U
75-09-2	Methylene chloride	250	U
156-60-5	trans-1,2-Dichloroethene	250	U
1634-04-4	Methyl tert-butyl ether	250	U
75-34-3	1,1-Dichloroethane	250	U
108-05-4	Vinyl acetate	250	U
78-93-3	2-Butanone	250	U
156-59-2	cis-1,2-Dichloroethene	250	U
67-66-3	Chloroform	250	U
71-55-6	1,1,1-Trichloroethane	250	U
56-23-5	Carbon tetrachloride	250	U
107-06-2	1,2-Dichloroethane	250	U
71-43-2	Benzene	250	U
79-01-6	Trichloroethene	250	U
78-87-5	1,2-Dichloropropane	250	U
75-27-4	Bromodichloromethane	250	U
10061-01-5	cis-1,3-Dichloropropene	250	U
108-10-1	4-Methyl-2-pentanone	250	U
108-88-3	Toluene	250	U
10061-02-6	trans-1,3-Dichloropropene	250	U
79-00-5	1,1,2-Trichloroethane	250	U
127-18-4	Tetrachloroethene	250	U
591-78-6	2-Hexanone	250	U
124-48-1	Dibromochloromethane	250	U
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	250	U
1330-20-7	m,p-Xylene	250	U
95-47-6	o-Xylene	250	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-63175

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-63175

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V6I4035.D

Level: (TRACE/LOW/MED) MED Date Received:

% Moisture: not dec. 0.0 Date Analyzed: 11/18/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	250	U
100-42-5	Styrene	250	U
75-25-2	Bromoform	250	U
98-82-8	Isopropylbenzene	250	U
79-34-5	1,1,2,2-Tetrachloroethane	250	U
103-65-1	n-Propylbenzene	250	U
108-67-8	1,3,5-Trimethylbenzene	250	U
98-06-6	tert-Butylbenzene	250	U
95-63-6	1,2,4-Trimethylbenzene	250	U
135-98-8	sec-Butylbenzene	250	U
99-87-6	4-Isopropyltoluene	250	U
541-73-1	1,3-Dichlorobenzene	250	U
106-46-7	1,4-Dichlorobenzene	250	U
104-51-8	n-Butylbenzene	250	U
95-50-1	1,2-Dichlorobenzene	250	U
91-20-3	Naphthalene	250	U
110-75-8	2-Chloroethyl vinyl ether	250	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MB-63175

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-63175

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V6I4035.D

Level: (TRACE or LOW/MED) MED Date Received:

% Moisture: not dec. Date Analyzed: 11/18/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-63203

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-63203

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V6I4074.D

Level: (TRACE/LOW/MED) MED Date Received:

% Moisture: not dec. 0.0 Date Analyzed: 11/19/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	250	U
75-01-4	Vinyl chloride	250	U
74-83-9	Bromomethane	250	U
75-00-3	Chloroethane	250	U
75-69-4	Trichlorofluoromethane	250	U
75-35-4	1,1-Dichloroethene	250	U
67-64-1	Acetone	250	U
75-15-0	Carbon disulfide	250	U
75-09-2	Methylene chloride	250	U
156-60-5	trans-1,2-Dichloroethene	250	U
1634-04-4	Methyl tert-butyl ether	250	U
75-34-3	1,1-Dichloroethane	250	U
108-05-4	Vinyl acetate	250	U
78-93-3	2-Butanone	250	U
156-59-2	cis-1,2-Dichloroethene	250	U
67-66-3	Chloroform	250	U
71-55-6	1,1,1-Trichloroethane	250	U
56-23-5	Carbon tetrachloride	250	U
107-06-2	1,2-Dichloroethane	250	U
71-43-2	Benzene	250	U
79-01-6	Trichloroethene	250	U
78-87-5	1,2-Dichloropropane	250	U
75-27-4	Bromodichloromethane	250	U
10061-01-5	cis-1,3-Dichloropropene	250	U
108-10-1	4-Methyl-2-pentanone	250	U
108-88-3	Toluene	250	U
10061-02-6	trans-1,3-Dichloropropene	250	U
79-00-5	1,1,2-Trichloroethane	250	U
127-18-4	Tetrachloroethene	250	U
591-78-6	2-Hexanone	250	U
124-48-1	Dibromochloromethane	250	U
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	250	U
1330-20-7	m,p-Xylene	250	U
95-47-6	o-Xylene	250	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-63203

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-63203

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V6I4074.D

Level: (TRACE/LOW/MED) MED Date Received:

% Moisture: not dec. 0.0 Date Analyzed: 11/19/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	250	U
100-42-5	Styrene	250	U
75-25-2	Bromoform	250	U
98-82-8	Isopropylbenzene	250	U
79-34-5	1,1,2,2-Tetrachloroethane	250	U
103-65-1	n-Propylbenzene	250	U
108-67-8	1,3,5-Trimethylbenzene	250	U
98-06-6	tert-Butylbenzene	250	U
95-63-6	1,2,4-Trimethylbenzene	250	U
135-98-8	sec-Butylbenzene	250	U
99-87-6	4-Isopropyltoluene	250	U
541-73-1	1,3-Dichlorobenzene	250	U
106-46-7	1,4-Dichlorobenzene	250	U
104-51-8	n-Butylbenzene	250	U
95-50-1	1,2-Dichlorobenzene	250	U
91-20-3	Naphthalene	250	U
110-75-8	2-Chloroethyl vinyl ether	250	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MB-63203

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-63203

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V6I4074.D

Level: (TRACE or LOW/MED) MED Date Received:

% Moisture: not dec. Date Analyzed: 11/19/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-63220

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-63220

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1M4565.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. 0.0 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.1	J
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-63220

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-63220

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1M4565.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. 0.0 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U
110-75-8	2-Chloroethyl vinyl ether	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MB-63220

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-63220

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1M4565.D

Level: (TRACE or LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS-63124

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-63124

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1M4502.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. 0.0 Date Analyzed: 11/17/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	54	
75-01-4	Vinyl chloride	54	
74-83-9	Bromomethane	57	
75-00-3	Chloroethane	56	
75-69-4	Trichlorofluoromethane	56	
75-35-4	1,1-Dichloroethene	55	
67-64-1	Acetone	63	
75-15-0	Carbon disulfide	55	
75-09-2	Methylene chloride	50	
156-60-5	trans-1,2-Dichloroethene	54	
1634-04-4	Methyl tert-butyl ether	52	
75-34-3	1,1-Dichloroethane	56	
108-05-4	Vinyl acetate	54	
78-93-3	2-Butanone	50	
156-59-2	cis-1,2-Dichloroethene	56	
67-66-3	Chloroform	58	
71-55-6	1,1,1-Trichloroethane	57	
56-23-5	Carbon tetrachloride	60	
107-06-2	1,2-Dichloroethane	55	
71-43-2	Benzene	57	
79-01-6	Trichloroethene	58	
78-87-5	1,2-Dichloropropane	57	
75-27-4	Bromodichloromethane	57	
10061-01-5	cis-1,3-Dichloropropene	60	
108-10-1	4-Methyl-2-pentanone	48	
108-88-3	Toluene	53	
10061-02-6	trans-1,3-Dichloropropene	57	
79-00-5	1,1,2-Trichloroethane	56	
127-18-4	Tetrachloroethene	47	
591-78-6	2-Hexanone	46	
124-48-1	Dibromochloromethane	56	
108-90-7	Chlorobenzene	55	
100-41-4	Ethylbenzene	56	
1330-20-7	m,p-Xylene	110	
95-47-6	o-Xylene	56	

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS-63124

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-63124

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1M4502.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. 0.0 Date Analyzed: 11/17/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	170	
100-42-5	Styrene	56	
75-25-2	Bromoform	55	
98-82-8	Isopropylbenzene	57	
79-34-5	1,1,2,2-Tetrachloroethane	50	
103-65-1	n-Propylbenzene	57	
108-67-8	1,3,5-Trimethylbenzene	56	
98-06-6	tert-Butylbenzene	56	
95-63-6	1,2,4-Trimethylbenzene	55	
135-98-8	sec-Butylbenzene	56	
99-87-6	4-Isopropyltoluene	57	
541-73-1	1,3-Dichlorobenzene	56	
106-46-7	1,4-Dichlorobenzene	57	
104-51-8	n-Butylbenzene	57	
95-50-1	1,2-Dichlorobenzene	54	
91-20-3	Naphthalene	46	
110-75-8	2-Chloroethyl vinyl ether	42	

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS-63175

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-63175

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V6I4033.D

Level: (TRACE/LOW/MED) MED Date Received:

% Moisture: not dec. 0.0 Date Analyzed: 11/18/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	2500	
75-01-4	Vinyl chloride	2500	
74-83-9	Bromomethane	2500	
75-00-3	Chloroethane	2500	
75-69-4	Trichlorofluoromethane	2500	
75-35-4	1,1-Dichloroethene	2700	
67-64-1	Acetone	2500	
75-15-0	Carbon disulfide	2500	
75-09-2	Methylene chloride	2900	
156-60-5	trans-1,2-Dichloroethene	2500	
1634-04-4	Methyl tert-butyl ether	2500	
75-34-3	1,1-Dichloroethane	2500	
108-05-4	Vinyl acetate	2500	
78-93-3	2-Butanone	2500	
156-59-2	cis-1,2-Dichloroethene	2400	
67-66-3	Chloroform	2400	
71-55-6	1,1,1-Trichloroethane	2500	
56-23-5	Carbon tetrachloride	2500	
107-06-2	1,2-Dichloroethane	2400	
71-43-2	Benzene	2500	
79-01-6	Trichloroethene	2500	
78-87-5	1,2-Dichloropropane	2400	
75-27-4	Bromodichloromethane	2500	
10061-01-5	cis-1,3-Dichloropropene	2600	
108-10-1	4-Methyl-2-pentanone	2500	
108-88-3	Toluene	2500	
10061-02-6	trans-1,3-Dichloropropene	2600	
79-00-5	1,1,2-Trichloroethane	2500	
127-18-4	Tetrachloroethene	2400	
591-78-6	2-Hexanone	2400	
124-48-1	Dibromochloromethane	2600	
108-90-7	Chlorobenzene	2500	
100-41-4	Ethylbenzene	2500	
1330-20-7	m,p-Xylene	4900	
95-47-6	o-Xylene	2500	

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS-63175

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-63175

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V6I4033.D

Level: (TRACE/LOW/MED) MED Date Received:

% Moisture: not dec. 0.0 Date Analyzed: 11/18/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	7300	
100-42-5	Styrene	2500	
75-25-2	Bromoform	2600	
98-82-8	Isopropylbenzene	2400	
79-34-5	1,1,2,2-Tetrachloroethane	2500	
103-65-1	n-Propylbenzene	2400	
108-67-8	1,3,5-Trimethylbenzene	2500	
98-06-6	tert-Butylbenzene	2500	
95-63-6	1,2,4-Trimethylbenzene	2500	
135-98-8	sec-Butylbenzene	2400	
99-87-6	4-Isopropyltoluene	2400	
541-73-1	1,3-Dichlorobenzene	2400	
106-46-7	1,4-Dichlorobenzene	2400	
104-51-8	n-Butylbenzene	2400	
95-50-1	1,2-Dichlorobenzene	2400	
91-20-3	Naphthalene	2300	
110-75-8	2-Chloroethyl vinyl ether	2300	

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS-63203

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-63203

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V6I4072.D

Level: (TRACE/LOW/MED) MED Date Received:

% Moisture: not dec. 0.0 Date Analyzed: 11/19/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	2500	
75-01-4	Vinyl chloride	2700	
74-83-9	Bromomethane	2900	
75-00-3	Chloroethane	2800	
75-69-4	Trichlorofluoromethane	2600	
75-35-4	1,1-Dichloroethene	2700	
67-64-1	Acetone	1900	
75-15-0	Carbon disulfide	2900	
75-09-2	Methylene chloride	2500	
156-60-5	trans-1,2-Dichloroethene	2600	
1634-04-4	Methyl tert-butyl ether	2500	
75-34-3	1,1-Dichloroethane	2600	
108-05-4	Vinyl acetate	2500	
78-93-3	2-Butanone	2400	
156-59-2	cis-1,2-Dichloroethene	2500	
67-66-3	Chloroform	2500	
71-55-6	1,1,1-Trichloroethane	2800	
56-23-5	Carbon tetrachloride	2700	
107-06-2	1,2-Dichloroethane	2400	
71-43-2	Benzene	2600	
79-01-6	Trichloroethene	2600	
78-87-5	1,2-Dichloropropane	2600	
75-27-4	Bromodichloromethane	2600	
10061-01-5	cis-1,3-Dichloropropene	2600	
108-10-1	4-Methyl-2-pentanone	2400	
108-88-3	Toluene	2800	
10061-02-6	trans-1,3-Dichloropropene	2700	
79-00-5	1,1,2-Trichloroethane	2500	
127-18-4	Tetrachloroethene	2500	
591-78-6	2-Hexanone	2200	
124-48-1	Dibromochloromethane	2500	
108-90-7	Chlorobenzene	2500	
100-41-4	Ethylbenzene	2500	
1330-20-7	m,p-Xylene	5200	
95-47-6	o-Xylene	2600	

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS-63203

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-63203

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V6I4072.D

Level: (TRACE/LOW/MED) MED Date Received:

% Moisture: not dec. 0.0 Date Analyzed: 11/19/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	7700	
100-42-5	Styrene	2600	
75-25-2	Bromoform	2300	
98-82-8	Isopropylbenzene	2600	
79-34-5	1,1,2,2-Tetrachloroethane	2400	
103-65-1	n-Propylbenzene	2600	
108-67-8	1,3,5-Trimethylbenzene	2800	
98-06-6	tert-Butylbenzene	2600	
95-63-6	1,2,4-Trimethylbenzene	2500	
135-98-8	sec-Butylbenzene	3000	
99-87-6	4-Isopropyltoluene	2500	
541-73-1	1,3-Dichlorobenzene	2500	
106-46-7	1,4-Dichlorobenzene	2500	
104-51-8	n-Butylbenzene	2900	
95-50-1	1,2-Dichlorobenzene	2500	
91-20-3	Naphthalene	2300	
110-75-8	2-Chloroethyl vinyl ether	2600	

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS-63220

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-63220

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1M4563.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. 0.0 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	54	
75-01-4	Vinyl chloride	52	
74-83-9	Bromomethane	56	
75-00-3	Chloroethane	51	
75-69-4	Trichlorofluoromethane	52	
75-35-4	1,1-Dichloroethene	56	
67-64-1	Acetone	76	
75-15-0	Carbon disulfide	51	
75-09-2	Methylene chloride	47	
156-60-5	trans-1,2-Dichloroethene	49	
1634-04-4	Methyl tert-butyl ether	40	
75-34-3	1,1-Dichloroethane	52	
108-05-4	Vinyl acetate	49	
78-93-3	2-Butanone	53	
156-59-2	cis-1,2-Dichloroethene	49	
67-66-3	Chloroform	51	
71-55-6	1,1,1-Trichloroethane	51	
56-23-5	Carbon tetrachloride	52	
107-06-2	1,2-Dichloroethane	52	
71-43-2	Benzene	51	
79-01-6	Trichloroethene	52	
78-87-5	1,2-Dichloropropane	50	
75-27-4	Bromodichloromethane	51	
10061-01-5	cis-1,3-Dichloropropene	54	
108-10-1	4-Methyl-2-pentanone	48	
108-88-3	Toluene	47	B
10061-02-6	trans-1,3-Dichloropropene	54	
79-00-5	1,1,2-Trichloroethane	49	
127-18-4	Tetrachloroethene	43	
591-78-6	2-Hexanone	54	
124-48-1	Dibromochloromethane	52	
108-90-7	Chlorobenzene	53	
100-41-4	Ethylbenzene	52	
1330-20-7	m,p-Xylene	100	
95-47-6	o-Xylene	53	

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS-63220

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-63220

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1M4563.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. 0.0 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	160	
100-42-5	Styrene	53	
75-25-2	Bromoform	54	
98-82-8	Isopropylbenzene	54	
79-34-5	1,1,2,2-Tetrachloroethane	45	
103-65-1	n-Propylbenzene	50	
108-67-8	1,3,5-Trimethylbenzene	50	
98-06-6	tert-Butylbenzene	49	
95-63-6	1,2,4-Trimethylbenzene	49	
135-98-8	sec-Butylbenzene	50	
99-87-6	4-Isopropyltoluene	52	
541-73-1	1,3-Dichlorobenzene	50	
106-46-7	1,4-Dichlorobenzene	52	
104-51-8	n-Butylbenzene	53	
95-50-1	1,2-Dichlorobenzene	51	
91-20-3	Naphthalene	49	
110-75-8	2-Chloroethyl vinyl ether	47	

2D - FORM II VOA-4

SOIL VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Level: (LOW/MED) LOW

	EPA SAMPLE NO.	VDMC1 (DBFM) #	VDMC2 (DCE) #	VDMC3 (TOL) #	VDMC4 (BFB) #				TOT OUT
01	LCS-63124	100	99	96	100				0
02	MB-63124	102	98	97	97				0
03	WEATHERED RX PIECES	105	96	98	94				0
04	AOC1-CS-2	101	97	113	83				0
05	AOC1-CS-3	105	100	105	94				0
06	LCS-63220	106	103	99	106				0
07	MB-63220	102	104	102	99				0
08	CLASS 1 PILE-WET	104	103	104	95				0
09	AOC1-CS-1	105	101	103	96				0
10	WCS-111611-1	103	98	104	99				0
11	CLASS 1 PILE DRY-2	102	99	106	100				0
12	CLASS 1 PILE-DRY	105	99	102	93				0

		QC LIMITS
VDMC1	(DBFM) Dibromofluoromethane	(65-132)
VDMC2	(DCE) = 1,2-Dichloroethane-d4	(65-128)
VDMC3	(TOL) = Toluene-d8	(85-115)
VDMC4	(BFB) = Bromofluorobenzene	(77-111)

Column to be used to flag recovery values

* Values outside of contract required QC limits

som111.10.27.A

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2D - FORM II VOA-4

SOIL VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Level: (LOW/MED) MED

	EPA SAMPLE NO.	VDMC1 (DBFM) #	VDMC2 (DCE) #	VDMC3 (TOL) #	VDMC4 (BFB) #				TOT OUT
01	LCS-63175	100	102	99	99				0
02	MB-63175	99	96	98	98				0
03	AOC1-CS-2ME	99	93	99	98				0
04	LCS-63203	100	99	100	100				0
05	MB-63203	100	101	101	97				0
06	WEATHERED RX PIECESME	101	99	99	99				0
07	AOC1-CS-3ME	97	101	98	99				0

		QC LIMITS
VDMC1	(DBFM) Dibromofluoromethane	(65-132)
VDMC2	(DCE) = 1,2-Dichloroethane-d4	(65-128)
VDMC3	(TOL) = Toluene-d8	(85-115)
VDMC4	(BFB) = Bromofluorobenzene	(77-111)

Column to be used to flag recovery values

* Values outside of contract required QC limits

som111.10.27.A

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.
LCS-63124

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Lab Sample ID: LCS-63124 LCS Lot No.:

Date Extracted: 11/17/2011 Date Analyzed (1): 11/17/2011

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Chloromethane	50.0000	0.0000	54.0988	108		50 - 130
Vinyl chloride	50.0000	0.0000	53.7060	107		60 - 125
Bromomethane	50.0000	0.0000	56.6084	113		30 - 160
Chloroethane	50.0000	0.0000	56.1157	112		40 - 155
Trichlorofluoromethane	50.0000	0.0000	56.3831	113		25 - 185
1,1-Dichloroethene	50.0000	0.0000	54.9052	110		65 - 135
Acetone	50.0000	0.0000	63.3540	127		20 - 160
Carbon disulfide	50.0000	0.0000	55.2672	111		45 - 160
Methylene chloride	50.0000	0.0000	50.4754	101		55 - 140
trans-1,2-Dichloroethene	50.0000	0.0000	53.7653	108		65 - 135
Methyl tert-butyl ether	50.0000	0.0000	52.1340	104		75 - 126
1,1-Dichloroethane	50.0000	0.0000	56.2239	112		75 - 125
Vinyl acetate	50.0000	0.0000	54.4420	109		65 - 138
2-Butanone	50.0000	0.0000	49.6121	99		30 - 160
cis-1,2-Dichloroethene	50.0000	0.0000	56.4285	113		65 - 125
Chloroform	50.0000	0.0000	58.0933	116		70 - 125
1,1,1-Trichloroethane	50.0000	0.0000	57.2352	114		70 - 135
Carbon tetrachloride	50.0000	0.0000	59.7313	119		65 - 135
1,2-Dichloroethane	50.0000	0.0000	54.6777	109		70 - 135
Benzene	50.0000	0.0000	57.0805	114		75 - 125
Trichloroethene	50.0000	0.0000	58.2395	116		75 - 125
1,2-Dichloropropane	50.0000	0.0000	57.4835	115		70 - 120
Bromodichloromethane	50.0000	0.0000	57.4492	115		70 - 130
cis-1,3-Dichloropropene	50.0000	0.0000	60.4653	121		70 - 125
4-Methyl-2-pentanone	50.0000	0.0000	48.4935	97		45 - 145
Toluene	50.0000	0.0000	52.6246	105		70 - 125
trans-1,3-Dichloropropene	50.0000	0.0000	57.2604	115		65 - 125
1,1,2-Trichloroethane	50.0000	0.0000	55.9288	112		60 - 125
Tetrachloroethene	50.0000	0.0000	46.8343	94		65 - 140
2-Hexanone	50.0000	0.0000	46.0429	92		45 - 145
Dibromochloromethane	50.0000	0.0000	55.5103	111		65 - 130
Chlorobenzene	50.0000	0.0000	54.8435	110		75 - 125
Ethylbenzene	50.0000	0.0000	56.0329	112		75 - 125
m,p-Xylene	100.0000	0.0000	112.1868	112		80 - 125
o-Xylene	50.0000	0.0000	55.8749	112		75 - 125
Xylene (Total)	150.0000	0.0000	168.0617	112		83 - 125
Styrene	50.0000	0.0000	56.2958	113		75 - 125
Bromoform	50.0000	0.0000	54.6588	109		55 - 135
Isopropylbenzene	50.0000	0.0000	56.6020	113		75 - 130
1,1,2,2-Tetrachloroethane	50.0000	0.0000	49.6374	99		55 - 130
n-Propylbenzene	50.0000	0.0000	56.5837	113		65 - 135
1,3,5-Trimethylbenzene	50.0000	0.0000	56.1861	112		65 - 135
tert-Butylbenzene	50.0000	0.0000	55.9999	112		65 - 130
1,2,4-Trimethylbenzene	50.0000	0.0000	54.9211	110		65 - 135

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.
LCS-63124

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Lab Sample ID: LCS-63124 LCS Lot No.:

Date Extracted: 11/17/2011 Date Analyzed (1): 11/17/2011

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
sec-Butylbenzene	50.0000	0.0000	55.6471	111		65 - 130
4-Isopropyltoluene	50.0000	0.0000	57.2780	115		75 - 135
1,3-Dichlorobenzene	50.0000	0.0000	56.1576	112		70 - 125
1,4-Dichlorobenzene	50.0000	0.0000	56.6218	113		70 - 125
n-Butylbenzene	50.0000	0.0000	57.2375	114		65 - 140
1,2-Dichlorobenzene	50.0000	0.0000	53.5233	107		75 - 120
Naphthalene	50.0000	0.0000	46.4012	93		40 - 125
2-Chloroethyl vinyl ether	50.0000	0.0000	41.8089	84		70 - 130

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

* Values outside of QC limits

Spike Recovery: 0 out of 52 outside limits

COMMENTS:

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.
LCS-63175

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Lab Sample ID: LCS-63175 LCS Lot No.:

Date Extracted: 11/18/2011 Date Analyzed (1): 11/18/2011

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Chloromethane	2500.0000	0.0000	2471.6904	99		50 - 130
Vinyl chloride	2500.0000	0.0000	2475.0192	99		60 - 125
Bromomethane	2500.0000	0.0000	2474.3970	99		30 - 160
Chloroethane	2500.0000	0.0000	2538.8334	102		40 - 155
Trichlorofluoromethane	2500.0000	0.0000	2533.9024	101		25 - 185
1,1-Dichloroethene	2500.0000	0.0000	2683.9721	107		65 - 135
Acetone	2500.0000	0.0000	2528.8151	101		20 - 160
Carbon disulfide	2500.0000	0.0000	2450.0277	98		45 - 160
Methylene chloride	2500.0000	0.0000	2900.6740	116		55 - 140
trans-1,2-Dichloroethene	2500.0000	0.0000	2487.2651	99		65 - 135
Methyl tert-butyl ether	2500.0000	0.0000	2506.0023	100		75 - 126
1,1-Dichloroethane	2500.0000	0.0000	2507.5277	100		75 - 125
Vinyl acetate	2500.0000	0.0000	2485.7030	99		65 - 138
2-Butanone	2500.0000	0.0000	2504.0005	100		30 - 160
cis-1,2-Dichloroethene	2500.0000	0.0000	2397.2576	96		65 - 125
Chloroform	2500.0000	0.0000	2400.4054	96		70 - 125
1,1,1-Trichloroethane	2500.0000	0.0000	2500.3422	100		70 - 135
Carbon tetrachloride	2500.0000	0.0000	2504.9787	100		65 - 135
1,2-Dichloroethane	2500.0000	0.0000	2414.4214	97		70 - 135
Benzene	2500.0000	0.0000	2458.7601	98		75 - 125
Trichloroethene	2500.0000	0.0000	2468.0159	99		75 - 125
1,2-Dichloropropane	2500.0000	0.0000	2441.6372	98		70 - 120
Bromodichloromethane	2500.0000	0.0000	2523.7073	101		70 - 130
cis-1,3-Dichloropropene	2500.0000	0.0000	2614.4264	105		70 - 125
4-Methyl-2-pentanone	2500.0000	0.0000	2500.2664	100		45 - 145
Toluene	2500.0000	0.0000	2459.9782	98		70 - 125
trans-1,3-Dichloropropene	2500.0000	0.0000	2608.2758	104		65 - 125
1,1,2-Trichloroethane	2500.0000	0.0000	2494.8298	100		60 - 125
Tetrachloroethene	2500.0000	0.0000	2429.7443	97		65 - 140
2-Hexanone	2500.0000	0.0000	2407.2690	96		45 - 145
Dibromochloromethane	2500.0000	0.0000	2584.3127	103		65 - 130
Chlorobenzene	2500.0000	0.0000	2450.1087	98		75 - 125
Ethylbenzene	2500.0000	0.0000	2466.1391	99		75 - 125
m,p-Xylene	5000.0000	0.0000	4880.5382	98		80 - 125
o-Xylene	2500.0000	0.0000	2453.3496	98		75 - 125
Xylene (Total)	7500.0000	0.0000	7333.8878	98		75 - 125
Styrene	2500.0000	0.0000	2489.6574	100		75 - 125
Bromoform	2500.0000	0.0000	2573.5120	103		55 - 135
Isopropylbenzene	2500.0000	0.0000	2442.6978	98		75 - 130
1,1,2,2-Tetrachloroethane	2500.0000	0.0000	2525.4639	101		55 - 130
n-Propylbenzene	2500.0000	0.0000	2439.2354	98		65 - 135
1,3,5-Trimethylbenzene	2500.0000	0.0000	2495.7462	100		65 - 135
tert-Butylbenzene	2500.0000	0.0000	2464.7750	99		65 - 130
1,2,4-Trimethylbenzene	2500.0000	0.0000	2471.4763	99		65 - 135

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.
LCS-63175

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Lab Sample ID: LCS-63175 LCS Lot No.:

Date Extracted: 11/18/2011 Date Analyzed (1): 11/18/2011

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
sec-Butylbenzene	2500.0000	0.0000	2385.7672	95		65 - 130
4-Isopropyltoluene	2500.0000	0.0000	2412.3248	96		75 - 135
1,3-Dichlorobenzene	2500.0000	0.0000	2392.4119	96		70 - 125
1,4-Dichlorobenzene	2500.0000	0.0000	2412.7318	97		70 - 125
n-Butylbenzene	2500.0000	0.0000	2411.2626	96		65 - 140
1,2-Dichlorobenzene	2500.0000	0.0000	2394.4388	96		75 - 120
Naphthalene	2500.0000	0.0000	2310.4924	92		40 - 125
2-Chloroethyl vinyl ether	2500.0000	0.0000	2307.1657	92		70 - 130

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

* Values outside of QC limits

Spike Recovery: 0 out of 52 outside limits

COMMENTS:

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.
LCS-63203

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Lab Sample ID: LCS-63203 LCS Lot No.:

Date Extracted: 11/19/2011 Date Analyzed (1): 11/19/2011

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Chloromethane	2500.0000	0.0000	2454.5658	98		50 - 130
Vinyl chloride	2500.0000	0.0000	2671.9055	107		60 - 125
Bromomethane	2500.0000	0.0000	2866.8553	115		30 - 160
Chloroethane	2500.0000	0.0000	2817.8929	113		40 - 155
Trichlorofluoromethane	2500.0000	0.0000	2613.5330	105		25 - 185
1,1-Dichloroethene	2500.0000	0.0000	2692.1110	108		65 - 135
Acetone	2500.0000	0.0000	1944.4511	78		20 - 160
Carbon disulfide	2500.0000	0.0000	2886.6101	115		45 - 160
Methylene chloride	2500.0000	0.0000	2514.0699	101		55 - 140
trans-1,2-Dichloroethene	2500.0000	0.0000	2599.8430	104		65 - 135
Methyl tert-butyl ether	2500.0000	0.0000	2473.2145	99		75 - 126
1,1-Dichloroethane	2500.0000	0.0000	2560.3366	102		75 - 125
Vinyl acetate	2500.0000	0.0000	2454.0518	98		65 - 138
2-Butanone	2500.0000	0.0000	2362.2818	94		30 - 160
cis-1,2-Dichloroethene	2500.0000	0.0000	2495.2461	100		65 - 125
Chloroform	2500.0000	0.0000	2526.7668	101		70 - 125
1,1,1-Trichloroethane	2500.0000	0.0000	2780.9717	111		70 - 135
Carbon tetrachloride	2500.0000	0.0000	2739.8958	110		65 - 135
1,2-Dichloroethane	2500.0000	0.0000	2445.5108	98		70 - 135
Benzene	2500.0000	0.0000	2572.2404	103		75 - 125
Trichloroethene	2500.0000	0.0000	2574.2894	103		75 - 125
1,2-Dichloropropane	2500.0000	0.0000	2554.4426	102		70 - 120
Bromodichloromethane	2500.0000	0.0000	2570.9998	103		70 - 130
cis-1,3-Dichloropropene	2500.0000	0.0000	2558.4350	102		70 - 125
4-Methyl-2-pentanone	2500.0000	0.0000	2350.1839	94		45 - 145
Toluene	2500.0000	0.0000	2792.0911	112		70 - 125
trans-1,3-Dichloropropene	2500.0000	0.0000	2685.1971	107		65 - 125
1,1,2-Trichloroethane	2500.0000	0.0000	2487.4499	99		60 - 125
Tetrachloroethene	2500.0000	0.0000	2486.8754	99		65 - 140
2-Hexanone	2500.0000	0.0000	2177.9968	87		45 - 145
Dibromochloromethane	2500.0000	0.0000	2490.0317	100		65 - 130
Chlorobenzene	2500.0000	0.0000	2539.3114	102		75 - 125
Ethylbenzene	2500.0000	0.0000	2548.9340	102		75 - 125
m,p-Xylene	5000.0000	0.0000	5156.1716	103		80 - 125
o-Xylene	2500.0000	0.0000	2578.5657	103		75 - 125
Xylene (Total)	7500.0000	0.0000	7734.7372	103		75 - 125
Styrene	2500.0000	0.0000	2590.5531	104		75 - 125
Bromoform	2500.0000	0.0000	2322.4471	93		55 - 135
Isopropylbenzene	2500.0000	0.0000	2571.1560	103		75 - 130
1,1,2,2-Tetrachloroethane	2500.0000	0.0000	2400.0155	96		55 - 130
n-Propylbenzene	2500.0000	0.0000	2566.8722	103		65 - 135
1,3,5-Trimethylbenzene	2500.0000	0.0000	2822.3193	113		65 - 135
tert-Butylbenzene	2500.0000	0.0000	2579.0435	103		65 - 130
1,2,4-Trimethylbenzene	2500.0000	0.0000	2541.6278	102		65 - 135

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.
LCS-63203

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Lab Sample ID: LCS-63203 LCS Lot No.:

Date Extracted: 11/19/2011 Date Analyzed (1): 11/19/2011

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
sec-Butylbenzene	2500.0000	0.0000	2964.9043	119		65 - 130
4-Isopropyltoluene	2500.0000	0.0000	2508.2075	100		75 - 135
1,3-Dichlorobenzene	2500.0000	0.0000	2504.9001	100		70 - 125
1,4-Dichlorobenzene	2500.0000	0.0000	2496.1684	100		70 - 125
n-Butylbenzene	2500.0000	0.0000	2918.4010	117		65 - 140
1,2-Dichlorobenzene	2500.0000	0.0000	2498.4689	100		75 - 120
Naphthalene	2500.0000	0.0000	2335.9763	93		40 - 125
2-Chloroethyl vinyl ether	2500.0000	0.0000	2630.3576	105		70 - 130

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

* Values outside of QC limits

Spike Recovery: 0 out of 52 outside limits

COMMENTS:

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.
LCS-63220

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Lab Sample ID: LCS-63220 LCS Lot No.:

Date Extracted: 11/21/2011 Date Analyzed (1): 11/21/2011

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Chloromethane	50.0000	0.0000	53.5921	107		50 - 130
Vinyl chloride	50.0000	0.0000	52.1703	104		60 - 125
Bromomethane	50.0000	0.0000	55.7761	112		30 - 160
Chloroethane	50.0000	0.0000	51.2776	103		40 - 155
Trichlorofluoromethane	50.0000	0.0000	51.6307	103		25 - 185
1,1-Dichloroethene	50.0000	0.0000	55.9942	112		65 - 135
Acetone	50.0000	0.0000	75.6539	151		20 - 160
Carbon disulfide	50.0000	0.0000	50.7641	102		45 - 160
Methylene chloride	50.0000	0.0000	46.5281	93		55 - 140
trans-1,2-Dichloroethene	50.0000	0.0000	48.6761	97		65 - 135
Methyl tert-butyl ether	50.0000	0.0000	40.3528	81		75 - 126
1,1-Dichloroethane	50.0000	0.0000	51.8689	104		75 - 125
Vinyl acetate	50.0000	0.0000	48.6289	97		65 - 138
2-Butanone	50.0000	0.0000	52.6350	105		30 - 160
cis-1,2-Dichloroethene	50.0000	0.0000	49.1836	98		65 - 125
Chloroform	50.0000	0.0000	50.8826	102		70 - 125
1,1,1-Trichloroethane	50.0000	0.0000	50.6199	101		70 - 135
Carbon tetrachloride	50.0000	0.0000	52.3545	105		65 - 135
1,2-Dichloroethane	50.0000	0.0000	51.6976	103		70 - 135
Benzene	50.0000	0.0000	50.9375	102		75 - 125
Trichloroethene	50.0000	0.0000	52.1346	104		75 - 125
1,2-Dichloropropane	50.0000	0.0000	50.2304	100		70 - 120
Bromodichloromethane	50.0000	0.0000	50.7726	102		70 - 130
cis-1,3-Dichloropropene	50.0000	0.0000	53.5099	107		70 - 125
4-Methyl-2-pentanone	50.0000	0.0000	48.0876	96		45 - 145
Toluene	50.0000	0.0000	46.8419	94		70 - 125
trans-1,3-Dichloropropene	50.0000	0.0000	53.7479	107		65 - 125
1,1,2-Trichloroethane	50.0000	0.0000	49.1317	98		60 - 125
Tetrachloroethene	50.0000	0.0000	43.4362	87		65 - 140
2-Hexanone	50.0000	0.0000	54.4074	109		45 - 145
Dibromochloromethane	50.0000	0.0000	52.0604	104		65 - 130
Chlorobenzene	50.0000	0.0000	52.8681	106		75 - 125
Ethylbenzene	50.0000	0.0000	52.4884	105		75 - 125
m,p-Xylene	100.0000	0.0000	104.7291	105		80 - 125
o-Xylene	50.0000	0.0000	52.9637	106		75 - 125
Xylene (Total)	150.0000	0.0000	157.6928	105		83 - 125
Styrene	50.0000	0.0000	53.4304	107		75 - 125
Bromoform	50.0000	0.0000	53.8241	108		55 - 135
Isopropylbenzene	50.0000	0.0000	54.2448	108		75 - 130
1,1,2,2-Tetrachloroethane	50.0000	0.0000	44.5376	89		55 - 130
n-Propylbenzene	50.0000	0.0000	50.3353	101		65 - 135
1,3,5-Trimethylbenzene	50.0000	0.0000	49.5293	99		65 - 135
tert-Butylbenzene	50.0000	0.0000	49.3991	99		65 - 130
1,2,4-Trimethylbenzene	50.0000	0.0000	49.4386	99		65 - 135

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.
LCS-63220

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Lab Sample ID: LCS-63220 LCS Lot No.:

Date Extracted: 11/21/2011 Date Analyzed (1): 11/21/2011

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
sec-Butylbenzene	50.0000	0.0000	49.8463	100		65 - 130
4-Isopropyltoluene	50.0000	0.0000	52.3700	105		75 - 135
1,3-Dichlorobenzene	50.0000	0.0000	50.4503	101		70 - 125
1,4-Dichlorobenzene	50.0000	0.0000	52.3862	105		70 - 125
n-Butylbenzene	50.0000	0.0000	53.3832	107		65 - 140
1,2-Dichlorobenzene	50.0000	0.0000	50.5739	101		75 - 120
Naphthalene	50.0000	0.0000	49.1827	98		40 - 125
2-Chloroethyl vinyl ether	50.0000	0.0000	46.6357	93		70 - 130

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

* Values outside of QC limits

Spike Recovery: 0 out of 52 outside limits

COMMENTS:

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.
MB-63124

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Lab File ID: V1M4504.D Lab Sample ID: MB-63124

Instrument ID: V1

Matrix: (SOIL/SED/WATER) SOIL Date Analyzed: 11/17/2011

Level: (TRACE or LOW/MED) LOW Time Analyzed: 9:30

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS-63124	LCS-63124	V1M4502.D	8:20
02	WEATHERED RX PIECES	K2428-01A	V1M4513.D	13:48
03	AOC1-CS-2	K2428-06B	V1M4517.D	15:38
04	AOC1-CS-3	K2428-07B	V1M4518.D	16:05

COMMENTS:

som111.10.27.A

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.
MB-63220

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Lab File ID: V1M4565.D Lab Sample ID: MB-63220

Instrument ID: V1

Matrix: (SOIL/SED/WATER) SOIL Date Analyzed: 11/21/2011

Level: (TRACE or LOW/MED) LOW Time Analyzed: 10:10

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS-63220	LCS-63220	V1M4563.D	8:40
02	CLASS 1 PILE-WET	K2428-03B	V1M4567.D	11:09
03	AOC1-CS-1	K2428-05B	V1M4568.D	11:37
04	WCS-111611-1	K2428-08B	V1M4569.D	12:04
05	CLASS 1 PILE DRY-2	K2428-04A	V1M4570.D	12:31
06	CLASS 1 PILE-DRY	K2428-02B	V1M4574.D	14:22

COMMENTS:

som111.10.27.A

4A - FORM IV VOA

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

MB-63175

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Lab File ID: V6I4035.D Lab Sample ID: MB-63175

Instrument ID: V6

Matrix: (SOIL/SED/WATER) SOIL Date Analyzed: 11/18/2011

Level: (TRACE or LOW/MED) MED Time Analyzed: 15:31

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS-63175	LCS-63175	V6I4033.D	14:46
02	AOC1-CS-2ME	K2428-06B	V6I4049.D	22:07

COMMENTS:

som111.10.27.A

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.
MB-63203

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Lab File ID: V6I4074.D Lab Sample ID: MB-63203

Instrument ID: V6

Matrix: (SOIL/SED/WATER) SOIL Date Analyzed: 11/19/2011

Level: (TRACE or LOW/MED) MED Time Analyzed: 17:53

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS-63203	LCS-63203	V6I4072.D	17:07
02	WEATHERED RX PIECESME	K2428-01A	V6I4076.D	18:39
03	AOC1-CS-3ME	K2428-07B	V6I4077.D	19:02

COMMENTS:

som111.10.27.A

8A - FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

GC Column: DB-624 ID: 0.25 (mm) Init. Calib. Date(s): 11/16/2011 11/16/2011

EPA Sample No.(VSTD#####): VSTD0501F Date Analyzed: 11/17/2011

Lab File ID (Standard): V1M4501.D Time Analyzed: 7:41

Instrument ID: V1 Heated Purge: (Y/N) Y

		IS1 (S1) AREA	#	RT	#	IS2 (S2) AREA	#	RT	#	IS3 (S3) AREA	#	RT	#
	12 HOUR STD	446577		6.43		361772		10.123		183819		12.96	
	UPPER LIMIT	893154		6.93		723544		10.623		367638		13.46	
	LOWER LIMIT	223289		5.93		180886		9.623		91910		12.46	
	EPA SAMPLE NO.												
01	LCS-63124	439328		6.444		353542		10.128		171148		12.955	
02	MB-63124	426321		6.428		337094		10.122		148738		12.959	
03	WEATHERED RX PIECES	387704		6.439		319820		10.133		141645		12.960	
04	AOC1-CS-2	479681		6.449		316528		10.133		92399		12.960	
05	AOC1-CS-3	480152		6.438		337909		10.122		144067		12.959	

IS1 () = Fluorobenzene
IS2 () = Chlorobenzene-d5
IS3 () = 1,4-Dichlorobenzene-d4
AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area
AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area
RT UPPER LIMIT = +0.50 (Low-Medium Volatiles) and +0.33 (Trace Volatiles) minutes of internal standard RT
RT LOWER LIMIT = -0.50 (Low-Medium Volatiles) and -0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8A - FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

GC Column: DB-624 ID: 0.25 (mm) Init. Calib. Date(s): 11/16/2011 11/16/2011

EPA Sample No.(VSTD#####): VSTD0501H Date Analyzed: 11/21/2011

Lab File ID (Standard): V1M4562.D Time Analyzed: 7:57

Instrument ID: V1 Heated Purge: (Y/N) Y

		IS1 (S1) AREA	#	RT	#	IS2 (S2) AREA	#	RT	#	IS3 (S3) AREA	#	RT	#
	12 HOUR STD	554363		6.399		420462		10.093		214274		12.929	
	UPPER LIMIT	1108726		6.899		840924		10.593		428548		13.429	
	LOWER LIMIT	277182		5.899		210231		9.593		107137		12.429	
	EPA SAMPLE NO.												
01	LCS-63220	516356		6.402		391951		10.086		211242		12.932	
02	MB-63220	547718		6.400		397816		10.084		183275		12.930	
03	CLASS 1 PILE-WET	531293		6.405		387355		10.079		173118		12.926	
04	AOC1-CS-1	533082		6.410		386591		10.094		179119		12.930	
05	WCS-111611-1	538481		6.413		391395		10.096		178138		12.933	
06	CLASS 1 PILE DRY-2	565381		6.409		400565		10.092		184532		12.929	
07	CLASS 1 PILE-DRY	534393		6.406		381924		10.089		164436		12.936	

IS1 () = Fluorobenzene
IS2 () = Chlorobenzene-d5
IS3 () = 1,4-Dichlorobenzene-d4
AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area
AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area
RT UPPER LIMIT = +0.50 (Low-Medium Volatiles) and +0.33 (Trace Volatiles) minutes of internal standard RT
RT LOWER LIMIT = -0.50 (Low-Medium Volatiles) and -0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8A - FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

GC Column: DB-624 ID: 0.25 (mm) Init. Calib. Date(s): 11/18/2011 11/18/2011

EPA Sample No.(VSTD#####): VSTD0506K Date Analyzed: 11/18/2011

Lab File ID (Standard): V6I4031.D Time Analyzed: 13:42

Instrument ID: V6 Heated Purge: (Y/N) N

		IS1 (S1) AREA	#	RT	#	IS2 (S2) AREA	#	RT	#	IS3 (S3) AREA	#	RT	#
	12 HOUR STD	1270819		5.061		1363642		8.031		804893		10.563	
	UPPER LIMIT	2541638		5.561		2727284		8.531		1609786		11.063	
	LOWER LIMIT	635410		4.561		681821		7.531		402447		10.063	
	EPA SAMPLE NO.												
01	LCS-63175	1241748		5.057		1340834		8.027		795396		10.559	
02	MB-63175	1230569		5.058		1329654		8.028		779540		10.560	
03	AOC1-CS-2ME	1141752		5.059		1225724		8.029		744108		10.561	

IS1 () = Fluorobenzene
IS2 () = Chlorobenzene-d5
IS3 () = 1,4-Dichlorobenzene-d4
AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area
AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area
RT UPPER LIMIT = +0.50 (Low-Medium Volatiles) and +0.33 (Trace Volatiles) minutes of internal standard RT
RT LOWER LIMIT = -0.50 (Low-Medium Volatiles) and -0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8A - FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

GC Column: DB-624 ID: 0.25 (mm) Init. Calib. Date(s): 11/19/2011 11/19/2011

EPA Sample No.(VSTD#####): VSTD0506M Date Analyzed: 11/19/2011

Lab File ID (Standard): V6I4062.D Time Analyzed: 13:17

Instrument ID: V6 Heated Purge: (Y/N) N

		IS1 (S1) AREA	#	RT	#	IS2 (S2) AREA	#	RT	#	IS3 (S3) AREA	#	RT	#
	12 HOUR STD	1155658		5.057		1270357		8.027		778465		10.559	
	UPPER LIMIT	2311316		5.557		2540714		8.527		1556930		11.059	
	LOWER LIMIT	577829		4.557		635179		7.527		389233		10.059	
	EPA SAMPLE NO.												
01	LCS-63203	1100158		5.057		1228968		8.027		757100		10.560	
02	MB-63203	1092786		5.058		1209139		8.028		709091		10.561	
03	WEATHERED RX PIECESME	1056076		5.057		1210669		8.027		743541		10.559	
04	AOC1-CS-3ME	1071955		5.049		1195927		8.031		736834		10.563	

IS1 () = Fluorobenzene
IS2 () = Chlorobenzene-d5
IS3 () = 1,4-Dichlorobenzene-d4
AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area
AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area
RT UPPER LIMIT = +0.50 (Low-Medium Volatiles) and +0.33 (Trace Volatiles) minutes of internal standard RT
RT LOWER LIMIT = -0.50 (Low-Medium Volatiles) and -0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

* Semivolatile Organics *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : LaBella Associates

Project: 690 Saint Paul Street

Laboratory Workorder / SDG #: K2428

SW846 8270D, SVOA by GC-MS

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SW846 8270D

IV. PREPARATION

Soil Samples were prepared following procedures in laboratory test code: SW3550

V. INSTRUMENTATION

The following instrumentation was used

Instrument Code: S3
Instrument Type: GCMS-SEMI
Description: HP6890 / HP5973
Manufacturer: Hewlett-Packard
Model: 6890 / 5973

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Surrogates:

Surrogate standard percent recoveries were within the QC limits with the following exceptions. Please note that the acceptance criteria allow one surrogate recovery outside of the QC limits per fraction.

(LCS-63139), recovery is above criteria for 2-Fluorophenol at 109% with criteria of (35-105).

(MB-63139), recovery is above criteria for 2-Fluorophenol at 106% with criteria of (35-105).

D. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits.

E. Internal Standards:

Internal standard peak areas were within the QC limits.

F. Dilutions:

The following samples were analyzed at dilution:

AOC1-CS-3 (K2428-07ADL) : Dilution Factor: 4

G. Samples:

No other unusual occurrences were noted during sample analysis.

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

Signed: 

Date: 12/7/11

Data Flag/Qualifiers:

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates an interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as aldol condensation byproducts.

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CLASS 1 PILE-DRY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-02A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S3H7206.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 8.2 Decanted: (Y/N) N Date Received: 11/17/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/17/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/18/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	350	U
111-44-4	Bis(2-chloroethyl)ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2´-oxybis(1-Chloropropane)	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
111-91-1	Bis(2-chloroethoxy)methane	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	720	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	720	U
131-11-3	Dimethylphthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	720	U
83-32-9	Acenaphthene	350	U
51-28-5	2,4-Dinitrophenol	720	U
100-02-7	4-Nitrophenol	720	U
132-64-9	Dibenzofuran	350	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CLASS 1 PILE-DRY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-02A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S3H7206.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 8.2 Decanted: (Y/N) N Date Received: 11/17/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/17/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/18/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	74	J
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-01-6	4-Nitroaniline	720	U
534-52-1	4,6-Dinitro-2-methylphenol	720	U
86-30-6	N-Nitrosodiphenylamine	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	720	U
85-01-8	Phenanthrene	460	
120-12-7	Anthracene	140	J
86-74-8	Carbazole	350	U
84-74-2	Di-n-butylphthalate	100	J
206-44-0	Fluoranthene	1500	
129-00-0	Pyrene	1200	
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3´-Dichlorobenzidine	350	U
56-55-3	Benzo(a)anthracene	760	
218-01-9	Chrysene	740	
117-81-7	Bis(2-ethylhexyl)phthalate	140	J
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo(b)fluoranthene	940	
207-08-9	Benzo(k)fluoranthene	350	J
50-32-8	Benzo(a)pyrene	650	
193-39-5	Indeno(1,2,3-cd)pyrene	360	
53-70-3	Dibenzo(a,h)anthracene	130	J
191-24-2	Benzo(g,h,i)perylene	410	

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

CLASS 1 PILE-DRY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-02A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S3H7206.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 8.2 Decanted: (Y/N) N Date Received: 11/17/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/17/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/18/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown (4.18913)	4.189	620	J
02		Unknown (5.11867)	5.119	380	J
03	57-10-3	n-Hexadecanoic acid	7.736	1000	NJ
04	112-84-5	13-Docosenamide, (Z)-	10.055	1100	NJ

[2]EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CLASS 1 PILE-WET

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-03A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S3H7207.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 11/17/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/17/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/18/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
111-44-4	Bis(2-chloroethyl)ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2´-oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
111-91-1	Bis(2-chloroethoxy)methane	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	770	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	770	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	110	J
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	770	U
83-32-9	Acenaphthene	80	J
51-28-5	2,4-Dinitrophenol	770	U
100-02-7	4-Nitrophenol	770	U
132-64-9	Dibenzofuran	380	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CLASS 1 PILE-WET

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-03A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S3H7207.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 11/17/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/17/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/18/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	77	J
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	110	J
100-01-6	4-Nitroaniline	770	U
534-52-1	4,6-Dinitro-2-methylphenol	770	U
86-30-6	N-Nitrosodiphenylamine	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	770	U
85-01-8	Phenanthrene	560	
120-12-7	Anthracene	200	J
86-74-8	Carbazole	380	U
84-74-2	Di-n-butylphthalate	120	J
206-44-0	Fluoranthene	1200	
129-00-0	Pyrene	940	
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3´-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	630	
218-01-9	Chrysene	620	
117-81-7	Bis(2-ethylhexyl)phthalate	370	J
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	740	
207-08-9	Benzo(k)fluoranthene	420	
50-32-8	Benzo(a)pyrene	570	
193-39-5	Indeno(1,2,3-cd)pyrene	330	J
53-70-3	Dibenzo(a,h)anthracene	120	J
191-24-2	Benzo(g,h,i)perylene	390	

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

CLASS 1 PILE-WET

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-03A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S3H7207.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 11/17/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/17/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/18/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown (4.20458)	4.205	710	J
02	143-07-7	Dodecanoic acid	6.261	350	NJ
03	57-10-3	n-Hexadecanoic acid	7.741	2000	NJ
04	57-11-4	Octadecanoic acid	8.377	410	NJ
05	112-84-5	13-Docosenamide, (Z)-	10.054	1300	NJ
06		Unknown (10.32665)	10.327	790	J
07	36728-72-0	28-Nor-17.beta.(H)-hopane	10.781	460	NJ

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC1-CS-1

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-05A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S3H7208.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 12 Decanted: (Y/N) N Date Received: 11/17/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/17/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/18/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	370	U
111-44-4	Bis(2-chloroethyl)ether	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2´-oxybis(1-Chloropropane)	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
111-91-1	Bis(2-chloroethoxy)methane	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	760	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	760	U
131-11-3	Dimethylphthalate	370	U
208-96-8	Acenaphthylene	190	J
606-20-2	2,6-Dinitrotoluene	370	U
99-09-2	3-Nitroaniline	760	U
83-32-9	Acenaphthene	370	U
51-28-5	2,4-Dinitrophenol	760	U
100-02-7	4-Nitrophenol	760	U
132-64-9	Dibenzofuran	87	J

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC1-CS-1

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-05A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S3H7208.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 12 Decanted: (Y/N) N Date Received: 11/17/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/17/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/18/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
86-73-7	Fluorene	120	J
100-01-6	4-Nitroaniline	760	U
534-52-1	4,6-Dinitro-2-methylphenol	760	U
86-30-6	N-Nitrosodiphenylamine	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	760	U
85-01-8	Phenanthrene	740	
120-12-7	Anthracene	210	J
86-74-8	Carbazole	370	U
84-74-2	Di-n-butylphthalate	120	J
206-44-0	Fluoranthene	1700	
129-00-0	Pyrene	1500	
85-68-7	Butylbenzylphthalate	81	J
91-94-1	3,3´-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	1000	
218-01-9	Chrysene	1000	
117-81-7	Bis(2-ethylhexyl)phthalate	990	
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	1300	
207-08-9	Benzo(k)fluoranthene	660	
50-32-8	Benzo(a)pyrene	1000	
193-39-5	Indeno(1,2,3-cd)pyrene	590	
53-70-3	Dibenzo(a,h)anthracene	270	J
191-24-2	Benzo(g,h,i)perylene	710	

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

AOC1-CS-1

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-05A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S3H7208.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 12 Decanted: (Y/N) N Date Received: 11/17/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/17/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/18/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown (4.35865)	4.359	640	J
02	112-40-3	Dodecane	4.444	870	NJ
03	17301-23-4	Undecane, 2,6-dimethyl-	4.524	590	NJ
04	26730-14-3	Tridecane, 7-methyl-	4.877	980	NJ
05	629-50-5	Tridecane	5.037	1300	NJ
06	5617-41-4	Heptylcyclohexane	5.277	450	NJ
07		Unknown (5.42173)	5.422	540	J
08	629-59-4	Tetradecane	5.545	1000	NJ
09	629-62-9	Pentadecane	5.993	700	NJ
10	143-07-7	Dodecanoic acid	6.260	380	NJ
11		Unknown (6.59167)	6.592	330	J
12	1921-70-6	Pentadecane, 2,6,10,14-tetra	6.816	550	NJ
13	57-10-3	n-Hexadecanoic acid	7.740	1300	NJ
14	112-95-8	Eicosane	7.858	430	NJ
15		Unknown (8.05007)	8.050	310	J
16	112-84-5	13-Docosenamide, (Z)-	10.064	1200	NJ
17		Unknown (10.79058)	10.791	610	J

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC1-CS-2

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-06A

Sample wt/vol: 15.5 (g/mL) G Lab File ID: S3H7210.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 8.7 Decanted: (Y/N) N Date Received: 11/17/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/17/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/18/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	350	U
111-44-4	Bis(2-chloroethyl)ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2´-oxybis(1-Chloropropane)	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
111-91-1	Bis(2-chloroethoxy)methane	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	710	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	710	U
131-11-3	Dimethylphthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	710	U
83-32-9	Acenaphthene	350	U
51-28-5	2,4-Dinitrophenol	710	U
100-02-7	4-Nitrophenol	710	U
132-64-9	Dibenzofuran	350	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC1-CS-2

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-06A

Sample wt/vol: 15.5 (g/mL) G Lab File ID: S3H7210.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 8.7 Decanted: (Y/N) N Date Received: 11/17/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/17/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/18/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-01-6	4-Nitroaniline	710	U
534-52-1	4,6-Dinitro-2-methylphenol	710	U
86-30-6	N-Nitrosodiphenylamine	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	710	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
86-74-8	Carbazole	350	U
84-74-2	Di-n-butylphthalate	87	J
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3´-Dichlorobenzidine	350	U
56-55-3	Benzo(a)anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	Bis(2-ethylhexyl)phthalate	120	J
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo(b)fluoranthene	350	U
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenzo(a,h)anthracene	350	U
191-24-2	Benzo(g,h,i)perylene	350	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

AOC1-CS-2

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-06A

Sample wt/vol: 15.5 (g/mL) G Lab File ID: S3H7210.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 8.7 Decanted: (Y/N) N Date Received: 11/17/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/17/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/18/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown (4.22318)	4.223	600	J
02		Unknown (4.38345)	4.383	280	J
03		Unknown (5.12600)	5.126	400	J
04	57-10-3	n-Hexadecanoic acid	7.749	1200	NJ
05	57-11-4	Octadecanoic acid	8.379	330	NJ
06	301-02-0	9-Octadecenamide, (Z)-	8.967	340	NJ
07	112-84-5	13-Docosenamide, (Z)-	10.062	1800	NJ

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC1-CS-3

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-07A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S3H7209.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 11/17/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/17/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/18/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
111-44-4	Bis(2-chloroethyl)ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2´-oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	440	
106-47-8	4-Chloroaniline	380	U
111-91-1	Bis(2-chloroethoxy)methane	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	320	J
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	770	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	770	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	390	
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	770	U
83-32-9	Acenaphthene	1100	
51-28-5	2,4-Dinitrophenol	770	U
100-02-7	4-Nitrophenol	770	U
132-64-9	Dibenzofuran	880	

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC1-CS-3

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-07A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S3H7209.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 11/17/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/17/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/18/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	1500	
100-01-6	4-Nitroaniline	770	U
534-52-1	4,6-Dinitro-2-methylphenol	770	U
86-30-6	N-Nitrosodiphenylamine	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	770	U
85-01-8	Phenanthrene	9900	E
120-12-7	Anthracene	3100	
86-74-8	Carbazole	1200	
84-74-2	Di-n-butylphthalate	140	J
206-44-0	Fluoranthene	12000	E
129-00-0	Pyrene	12000	E
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3´-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	8100	E
218-01-9	Chrysene	6100	
117-81-7	Bis(2-ethylhexyl)phthalate	450	
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	5700	
207-08-9	Benzo(k)fluoranthene	4700	
50-32-8	Benzo(a)pyrene	5600	
193-39-5	Indeno(1,2,3-cd)pyrene	3100	
53-70-3	Dibenzo(a,h)anthracene	1800	
191-24-2	Benzo(g,h,i)perylene	3500	

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

AOC1-CS-3

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-07A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S3H7209.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 11/17/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/17/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/18/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	132-65-0	Dibenzothiophene	7.085	1300	NJ
02		Unknown (7.59832)	7.598	1600	J
03	2531-84-2	Phenanthrene, 2-methyl-	7.620	2300	NJ
04	832-69-9	Phenanthrene, 1-methyl-	7.657	1300	NJ
05	203-64-5	4H-Cyclopenta[def]phenanthre	7.684	530	NJ
06	35465-71-5	2-Phenylnaphthalene	7.849	330	NJ
07	243-17-4	11H-Benzo[b]fluorene	8.640	910	NJ
08		Unknown (8.69347)	8.693	570	J
09	2381-21-7	Pyrene, 1-methyl-	8.720	400	NJ
10		Unknown (8.98727)	8.987	320	J
11	479-79-8	11H-Benzo[a]fluoren-11-one	9.051	350	NJ
12	205-43-6	Benzo[b]naphtho[1,2-d]thioph	9.137	340	NJ
13		Unknown (9.16357)	9.164	500	J
14	2498-77-3	Benz[a]anthracene, 1-methyl-	9.676	400	NJ
15	112-84-5	13-Docosenamide, (Z)-	10.077	2300	NJ
16		Unknown (10.37088)	10.371	2700	J

[2]EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC1-CS-3DL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-07ADL

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S3H7512.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 11/17/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/17/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/18/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 4.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1500	U
111-44-4	Bis(2-chloroethyl)ether	1500	U
95-57-8	2-Chlorophenol	1500	U
541-73-1	1,3-Dichlorobenzene	1500	U
106-46-7	1,4-Dichlorobenzene	1500	U
95-50-1	1,2-Dichlorobenzene	1500	U
95-48-7	2-Methylphenol	1500	U
108-60-1	2,2´-oxybis(1-Chloropropane)	1500	U
106-44-5	4-Methylphenol	1500	U
621-64-7	N-Nitroso-di-n-propylamine	1500	U
67-72-1	Hexachloroethane	1500	U
98-95-3	Nitrobenzene	1500	U
78-59-1	Isophorone	1500	U
88-75-5	2-Nitrophenol	1500	U
105-67-9	2,4-Dimethylphenol	1500	U
120-83-2	2,4-Dichlorophenol	1500	U
120-82-1	1,2,4-Trichlorobenzene	1500	U
91-20-3	Naphthalene	430	DJ
106-47-8	4-Chloroaniline	1500	U
111-91-1	Bis(2-chloroethoxy)methane	1500	U
87-68-3	Hexachlorobutadiene	1500	U
59-50-7	4-Chloro-3-methylphenol	1500	U
91-57-6	2-Methylnaphthalene	310	DJ
77-47-4	Hexachlorocyclopentadiene	1500	U
88-06-2	2,4,6-Trichlorophenol	1500	U
95-95-4	2,4,5-Trichlorophenol	3100	U
91-58-7	2-Chloronaphthalene	1500	U
88-74-4	2-Nitroaniline	3100	U
131-11-3	Dimethylphthalate	1500	U
208-96-8	Acenaphthylene	380	DJ
606-20-2	2,6-Dinitrotoluene	1500	U
99-09-2	3-Nitroaniline	3100	U
83-32-9	Acenaphthene	1000	DJ
51-28-5	2,4-Dinitrophenol	3100	U
100-02-7	4-Nitrophenol	3100	U
132-64-9	Dibenzofuran	860	DJ

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC1-CS-3DL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-07ADL

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S3H7512.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 11/17/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/17/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/18/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 4.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	1500	U
84-66-2	Diethylphthalate	1500	U
7005-72-3	4-Chlorophenyl-phenylether	1500	U
86-73-7	Fluorene	1400	DJ
100-01-6	4-Nitroaniline	3100	U
534-52-1	4,6-Dinitro-2-methylphenol	3100	U
86-30-6	N-Nitrosodiphenylamine	1500	U
101-55-3	4-Bromophenyl-phenylether	1500	U
118-74-1	Hexachlorobenzene	1500	U
87-86-5	Pentachlorophenol	3100	U
85-01-8	Phenanthrene	11000	D
120-12-7	Anthracene	3100	D
86-74-8	Carbazole	1200	DJ
84-74-2	Di-n-butylphthalate	1500	U
206-44-0	Fluoranthene	15000	D
129-00-0	Pyrene	13000	D
85-68-7	Butylbenzylphthalate	1500	U
91-94-1	3,3´-Dichlorobenzidine	1500	U
56-55-3	Benzo(a)anthracene	7600	D
218-01-9	Chrysene	7800	D
117-81-7	Bis(2-ethylhexyl)phthalate	400	DJ
117-84-0	Di-n-octylphthalate	1500	U
205-99-2	Benzo(b)fluoranthene	8200	D
207-08-9	Benzo(k)fluoranthene	3900	D
50-32-8	Benzo(a)pyrene	5900	D
193-39-5	Indeno(1,2,3-cd)pyrene	3100	D
53-70-3	Dibenzo(a,h)anthracene	1000	DJ
191-24-2	Benzo(g,h,i)perylene	3500	D

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

AOC1-CS-3DL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-07ADL

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S3H7512.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 11/17/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/17/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/18/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 4.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	613-12-7	Anthracene, 2-methyl-	7.616	1500	DNJ
02	203-64-5	4H-Cyclopenta[def]phenanthre	7.674	2300	DNJ
03	35465-71-5	2-Phenylnaphthalene	7.845	1400	DNJ
04	2381-21-7	Pyrene, 1-methyl-	8.625	1800	DNJ
05	112-84-5	13-Docosenamide, (Z)-	10.062	1300	DNJ

[2]EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MB-63139

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-63139

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3H7202.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/17/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/18/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
111-44-4	Bis(2-chloroethyl)ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2´-oxybis(1-Chloropropane)	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
111-91-1	Bis(2-chloroethoxy)methane	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	670	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	670	U
131-11-3	Dimethylphthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	670	U
83-32-9	Acenaphthene	330	U
51-28-5	2,4-Dinitrophenol	670	U
100-02-7	4-Nitrophenol	670	U
132-64-9	Dibenzofuran	330	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MB-63139

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-63139

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3H7202.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/17/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/18/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
86-73-7	Fluorene	330	U
100-01-6	4-Nitroaniline	670	U
534-52-1	4,6-Dinitro-2-methylphenol	670	U
86-30-6	N-Nitrosodiphenylamine	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	670	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3´-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	Bis(2-ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MB-63139

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-63139

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3H7202.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/17/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/18/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[2]EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-63139

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-63139

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3H7203.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/17/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/18/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	3100	
111-44-4	Bis(2-chloroethyl)ether	2700	
95-57-8	2-Chlorophenol	3100	
541-73-1	1,3-Dichlorobenzene	2900	
106-46-7	1,4-Dichlorobenzene	2900	
95-50-1	1,2-Dichlorobenzene	2900	
95-48-7	2-Methylphenol	3000	
108-60-1	2,2´-oxybis(1-Chloropropane)	1800	
106-44-5	4-Methylphenol	2900	
621-64-7	N-Nitroso-di-n-propylamine	2600	
67-72-1	Hexachloroethane	3000	
98-95-3	Nitrobenzene	3100	
78-59-1	Isophorone	3000	
88-75-5	2-Nitrophenol	3200	
105-67-9	2,4-Dimethylphenol	3400	
120-83-2	2,4-Dichlorophenol	3500	
120-82-1	1,2,4-Trichlorobenzene	3200	
91-20-3	Naphthalene	3100	
106-47-8	4-Chloroaniline	1500	
111-91-1	Bis(2-chloroethoxy)methane	3000	
87-68-3	Hexachlorobutadiene	3400	
59-50-7	4-Chloro-3-methylphenol	3300	
91-57-6	2-Methylnaphthalene	3300	
77-47-4	Hexachlorocyclopentadiene	2900	
88-06-2	2,4,6-Trichlorophenol	3300	
95-95-4	2,4,5-Trichlorophenol	3300	
91-58-7	2-Chloronaphthalene	3100	
88-74-4	2-Nitroaniline	3100	
131-11-3	Dimethylphthalate	3200	
208-96-8	Acenaphthylene	3200	
606-20-2	2,6-Dinitrotoluene	3200	
99-09-2	3-Nitroaniline	2400	
83-32-9	Acenaphthene	3100	
51-28-5	2,4-Dinitrophenol	3800	
100-02-7	4-Nitrophenol	3700	
132-64-9	Dibenzofuran	3200	

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-63139

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-63139

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3H7203.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/17/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/18/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	3200	
84-66-2	Diethylphthalate	3200	
7005-72-3	4-Chlorophenyl-phenylether	3100	
86-73-7	Fluorene	3100	
100-01-6	4-Nitroaniline	2700	
534-52-1	4,6-Dinitro-2-methylphenol	3100	
86-30-6	N-Nitrosodiphenylamine	2900	
101-55-3	4-Bromophenyl-phenylether	3000	
118-74-1	Hexachlorobenzene	3200	
87-86-5	Pentachlorophenol	3000	
85-01-8	Phenanthrene	3100	
120-12-7	Anthracene	3100	
86-74-8	Carbazole	3100	
84-74-2	Di-n-butylphthalate	3300	
206-44-0	Fluoranthene	3500	
129-00-0	Pyrene	2800	
85-68-7	Butylbenzylphthalate	2900	
91-94-1	3,3´-Dichlorobenzidine	1900	
56-55-3	Benzo(a)anthracene	3100	
218-01-9	Chrysene	3100	
117-81-7	Bis(2-ethylhexyl)phthalate	3000	
117-84-0	Di-n-octylphthalate	3000	
205-99-2	Benzo(b)fluoranthene	3800	
207-08-9	Benzo(k)fluoranthene	2600	
50-32-8	Benzo(a)pyrene	3200	
193-39-5	Indeno(1,2,3-cd)pyrene	3400	
53-70-3	Dibenzo(a,h)anthracene	3300	
191-24-2	Benzo(g,h,i)perylene	3400	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCSD-63139

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCSD-63139

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3H7204.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/17/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/18/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2800	
111-44-4	Bis(2-chloroethyl)ether	2500	
95-57-8	2-Chlorophenol	2900	
541-73-1	1,3-Dichlorobenzene	2600	
106-46-7	1,4-Dichlorobenzene	2700	
95-50-1	1,2-Dichlorobenzene	2700	
95-48-7	2-Methylphenol	2800	
108-60-1	2,2´-oxybis(1-Chloropropane)	1700	
106-44-5	4-Methylphenol	2700	
621-64-7	N-Nitroso-di-n-propylamine	2400	
67-72-1	Hexachloroethane	2800	
98-95-3	Nitrobenzene	2900	
78-59-1	Isophorone	2800	
88-75-5	2-Nitrophenol	3000	
105-67-9	2,4-Dimethylphenol	3100	
120-83-2	2,4-Dichlorophenol	3300	
120-82-1	1,2,4-Trichlorobenzene	3000	
91-20-3	Naphthalene	2900	
106-47-8	4-Chloroaniline	1900	
111-91-1	Bis(2-chloroethoxy)methane	2800	
87-68-3	Hexachlorobutadiene	3100	
59-50-7	4-Chloro-3-methylphenol	3300	
91-57-6	2-Methylnaphthalene	3000	
77-47-4	Hexachlorocyclopentadiene	1600	
88-06-2	2,4,6-Trichlorophenol	3000	
95-95-4	2,4,5-Trichlorophenol	3100	
91-58-7	2-Chloronaphthalene	2800	
88-74-4	2-Nitroaniline	3000	
131-11-3	Dimethylphthalate	3000	
208-96-8	Acenaphthylene	2900	
606-20-2	2,6-Dinitrotoluene	3000	
99-09-2	3-Nitroaniline	2700	
83-32-9	Acenaphthene	2800	
51-28-5	2,4-Dinitrophenol	3800	
100-02-7	4-Nitrophenol	3800	
132-64-9	Dibenzofuran	2900	

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCSD-63139

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCSD-63139

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3H7204.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/17/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/18/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	3200	
84-66-2	Diethylphthalate	3300	
7005-72-3	4-Chlorophenyl-phenylether	3000	
86-73-7	Fluorene	2900	
100-01-6	4-Nitroaniline	2800	
534-52-1	4,6-Dinitro-2-methylphenol	3000	
86-30-6	N-Nitrosodiphenylamine	2700	
101-55-3	4-Bromophenyl-phenylether	2900	
118-74-1	Hexachlorobenzene	3000	
87-86-5	Pentachlorophenol	3000	
85-01-8	Phenanthrene	3000	
120-12-7	Anthracene	3000	
86-74-8	Carbazole	3200	
84-74-2	Di-n-butylphthalate	3300	
206-44-0	Fluoranthene	3500	
129-00-0	Pyrene	2900	
85-68-7	Butylbenzylphthalate	2900	
91-94-1	3,3´-Dichlorobenzidine	2900	
56-55-3	Benzo(a)anthracene	3100	
218-01-9	Chrysene	3000	
117-81-7	Bis(2-ethylhexyl)phthalate	3000	
117-84-0	Di-n-octylphthalate	3000	
205-99-2	Benzo(b)fluoranthene	3200	
207-08-9	Benzo(k)fluoranthene	3200	
50-32-8	Benzo(a)pyrene	3100	
193-39-5	Indeno(1,2,3-cd)pyrene	3400	
53-70-3	Dibenzo(a,h)anthracene	3400	
191-24-2	Benzo(g,h,i)perylene	3400	

2K - FORM II SV-4

SOIL SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Level: (LOW/MED) LOW

	CLIENT SAMPLE NO.	SDMC1 (NBZ) #	SDMC2 (FBP) #	SDMC3 (TPH) #	SDMC4 (PHL) #	SDMC5 (2FP) #	SDMC6 (TBP) #			TOT OUT
01	MB-63139	93	88	83	95	106 *	113			1
02	LCS-63139	96	91	84	100	109 *	112			1
03	LCSD-63139	90	82	84	94	101	110			0
04	CLASS 1 PILE-DRY	73	70	72	86	89	95			0
05	CLASS 1 PILE-WET	73	75	84	93	91	107			0
06	AOC1-CS-1	74	75	81	91	94	101			0
07	AOC1-CS-3	69	71	87	80	82	91			0
08	AOC1-CS-2	79	76	85	91	95	105			0
09	AOC1-CS-3DL	66	68	77	76	77	88			0

			QC LIMITS
SDMC1	(NBZ)	= Nitrobenzene-d5	(35-100)
SDMC2	(FBP)	= 2-Fluorobiphenyl	(45-105)
SDMC3	(TPH)	= Terphenyl-d14	(30-125)
SDMC4	(PHL)	= Phenol-d5	(40-100)
SDMC5	(2FP)	= 2-Fluorophenol	(35-105)
SDMC6	(TBP)	= 2,4,6-Tribromophenol	(35-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

som111.10.27.A

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
LCS-63139

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Lab Sample ID: LCS-63139 LCS Lot No.: A082598

Date Extracted: 11/17/2011 Date Analyzed (1): 11/18/2011

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Phenol	3333.0000	0.0000	3087.3172	93		40 - 100
Bis(2-chloroethyl)ether	3333.0000	0.0000	2707.7407	81		40 - 105
2-Chlorophenol	3333.0000	0.0000	3145.4166	94		45 - 105
1,3-Dichlorobenzene	3333.0000	0.0000	2929.2657	88		40 - 100
1,4-Dichlorobenzene	3333.0000	0.0000	2941.6885	88		35 - 105
1,2-Dichlorobenzene	3333.0000	0.0000	2936.5635	88		45 - 95
2-Methylphenol	3333.0000	0.0000	2988.1883	90		40 - 105
2,2´-oxybis(1-Chloropropan	3333.0000	0.0000	1806.9964	54		20 - 115
4-Methylphenol	3333.0000	0.0000	2944.6665	88		40 - 105
N-Nitroso-di-n-propylamine	3333.0000	0.0000	2648.9324	79		40 - 115
Hexachloroethane	3333.0000	0.0000	3041.5550	91		35 - 110
Nitrobenzene	3333.0000	0.0000	3140.0320	94		40 - 115
Isophorone	3333.0000	0.0000	3018.5575	91		45 - 110
2-Nitrophenol	3333.0000	0.0000	3238.1070	97		40 - 110
2,4-Dimethylphenol	3333.0000	0.0000	3363.8583	101		30 - 105
2,4-Dichlorophenol	3333.0000	0.0000	3479.4732	104		45 - 110
1,2,4-Trichlorobenzene	3333.0000	0.0000	3233.5352	97		45 - 110
Naphthalene	3333.0000	0.0000	3106.6706	93		40 - 105
4-Chloroaniline	3333.0000	0.0000	1475.8258	44		10 - 100
Bis(2-chloroethoxy)methane	3333.0000	0.0000	3027.7468	91		45 - 110
Hexachlorobutadiene	3333.0000	0.0000	3424.8812	103		40 - 115
4-Chloro-3-methylphenol	3333.0000	0.0000	3337.1293	100		45 - 115
2-Methylnaphthalene	3333.0000	0.0000	3330.6831	100		45 - 105
Hexachlorocyclopentadiene	3333.0000	0.0000	2947.3704	88		8 - 148
2,4,6-Trichlorophenol	3333.0000	0.0000	3296.5089	99		45 - 110
2,4,5-Trichlorophenol	3333.0000	0.0000	3343.6285	100		50 - 110
2-Chloronaphthalene	3333.0000	0.0000	3148.2211	94		45 - 105
2-Nitroaniline	3333.0000	0.0000	3131.1571	94		45 - 120
Dimethylphthalate	3333.0000	0.0000	3195.2748	96		50 - 110
Acenaphthylene	3333.0000	0.0000	3185.7788	96		45 - 105
2,6-Dinitrotoluene	3333.0000	0.0000	3193.2030	96		50 - 110
3-Nitroaniline	3333.0000	0.0000	2396.6257	72		25 - 110
Acenaphthene	3333.0000	0.0000	3075.3317	92		45 - 110
2,4-Dinitrophenol	3333.0000	0.0000	3779.2162	113		15 - 130
4-Nitrophenol	3333.0000	0.0000	3673.4088	110		15 - 140
Dibenzofuran	3333.0000	0.0000	3164.2205	95		50 - 105
2,4-Dinitrotoluene	3333.0000	0.0000	3195.8816	96		50 - 115
Diethylphthalate	3333.0000	0.0000	3235.6766	97		50 - 115
4-Chlorophenyl-phenylether	3333.0000	0.0000	3109.3139	93		45 - 110
Fluorene	3333.0000	0.0000	3110.6338	93		50 - 110
4-Nitroaniline	3333.0000	0.0000	2650.0385	80		35 - 115
4,6-Dinitro-2-methylphenol	3333.0000	0.0000	3094.5907	93		30 - 135
N-Nitrosodiphenylamine	3333.0000	0.0000	2916.3225	87		50 - 115
4-Bromophenyl-phenylether	3333.0000	0.0000	3038.1163	91		45 - 115

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
LCS-63139

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Lab Sample ID: LCS-63139 LCS Lot No.: A082598

Date Extracted: 11/17/2011 Date Analyzed (1): 11/18/2011

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Hexachlorobenzene	3333.0000	0.0000	3156.8740	95		45 - 120
Pentachlorophenol	3333.0000	0.0000	3013.2391	90		25 - 120
Phenanthrene	3333.0000	0.0000	3077.8246	92		50 - 110
Anthracene	3333.0000	0.0000	3110.9637	93		55 - 105
Carbazole	3333.0000	0.0000	3135.5140	94		45 - 115
Di-n-butylphthalate	3333.0000	0.0000	3305.2846	99		55 - 110
Fluoranthene	3333.0000	0.0000	3480.9869	104		55 - 115
Pyrene	3333.0000	0.0000	2849.7309	86		45 - 125
Butylbenzylphthalate	3333.0000	0.0000	2939.8096	88		50 - 125
3,3´-Dichlorobenzidine	3333.0000	0.0000	1905.3589	57		10 - 130
Benzo(a)anthracene	3333.0000	0.0000	3094.5437	93		50 - 110
Chrysene	3333.0000	0.0000	3108.9177	93		55 - 110
Bis(2-ethylhexyl)phthalate	3333.0000	0.0000	2978.0784	89		45 - 125
Di-n-octylphthalate	3333.0000	0.0000	2995.5666	90		40 - 130
Benzo(b)fluoranthene	3333.0000	0.0000	3790.1032	114		45 - 115
Benzo(k)fluoranthene	3333.0000	0.0000	2586.5618	78		45 - 125
Benzo(a)pyrene	3333.0000	0.0000	3164.5604	95		50 - 110
Indeno(1,2,3-cd)pyrene	3333.0000	0.0000	3351.9547	101		40 - 120
Dibenzo(a,h)anthracene	3333.0000	0.0000	3269.0369	98		40 - 125
Benzo(g,h,i)perylene	3333.0000	0.0000	3435.2514	103		40 - 125

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

* Values outside of QC limits

Spike Recovery: 0 out of 64 outside limits

COMMENTS:

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE DUPLICATE RECOVERY

EPA SAMPLE NO.
LCSD-63139

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Lab Sample ID: LCSD-63139 LCS Lot No.: A082598

COMPOUND	SPIKE ADDED	LCSD CONCENTRATION	LCSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Phenol	3333.0000	2826.1534	85		9		40	40 - 100
Bis(2-chloroethyl)ether	3333.0000	2497.9516	75		8		40	40 - 105
2-Chlorophenol	3333.0000	2872.5115	86		9		40	45 - 105
1,3-Dichlorobenzene	3333.0000	2644.4194	79		11		40	40 - 100
1,4-Dichlorobenzene	3333.0000	2668.7111	80		10		40	35 - 105
1,2-Dichlorobenzene	3333.0000	2692.3976	81		8		40	45 - 95
2-Methylphenol	3333.0000	2817.8254	85		6		40	40 - 105
2,2´-oxybis(1-Chloropropan	3333.0000	1675.6299	50		8		40	20 - 115
4-Methylphenol	3333.0000	2729.3706	82		7		40	40 - 105
N-Nitroso-di-n-propylamine	3333.0000	2427.8720	73		8		40	40 - 115
Hexachloroethane	3333.0000	2810.1351	84		8		40	35 - 110
Nitrobenzene	3333.0000	2854.1578	86		9		40	40 - 115
Isophorone	3333.0000	2783.8258	84		8		40	45 - 110
2-Nitrophenol	3333.0000	2975.0433	89		9		40	40 - 110
2,4-Dimethylphenol	3333.0000	3053.4701	92		9		40	30 - 105
2,4-Dichlorophenol	3333.0000	3274.4014	98		6		40	45 - 110
1,2,4-Trichlorobenzene	3333.0000	2971.8036	89		9		40	45 - 110
Naphthalene	3333.0000	2862.0905	86		8		40	40 - 105
4-Chloroaniline	3333.0000	1931.6144	58		27		40	10 - 100
Bis(2-chloroethoxy)methane	3333.0000	2758.1838	83		9		40	45 - 110
Hexachlorobutadiene	3333.0000	3142.0353	94		9		40	40 - 115
4-Chloro-3-methylphenol	3333.0000	3277.2819	98		2		40	45 - 115
2-Methylnaphthalene	3333.0000	3002.5396	90		11		40	45 - 105
Hexachlorocyclopentadiene	3333.0000	1605.2487	48		59	*	40	8 - 148
2,4,6-Trichlorophenol	3333.0000	2974.0798	89		11		40	45 - 110
2,4,5-Trichlorophenol	3333.0000	3134.2252	94		6		40	50 - 110
2-Chloronaphthalene	3333.0000	2790.2593	84		11		40	45 - 105
2-Nitroaniline	3333.0000	3028.3671	91		3		40	45 - 120
Dimethylphthalate	3333.0000	3038.9344	91		5		40	50 - 110
Acenaphthylene	3333.0000	2914.5203	87		10		40	45 - 105
2,6-Dinitrotoluene	3333.0000	3042.7747	91		5		40	50 - 110
3-Nitroaniline	3333.0000	2667.3267	80		11		40	25 - 110
Acenaphthene	3333.0000	2819.2071	85		8		40	45 - 110
2,4-Dinitrophenol	3333.0000	3751.0927	113		0		40	15 - 130
4-Nitrophenol	3333.0000	3833.7988	115		4		40	15 - 140
Dibenzofuran	3333.0000	2918.6930	88		8		40	50 - 105
2,4-Dinitrotoluene	3333.0000	3233.1479	97		1		40	50 - 115
Diethylphthalate	3333.0000	3277.0355	98		1		40	50 - 115
4-Chlorophenyl-phenylether	3333.0000	2999.6938	90		3		40	45 - 110
Fluorene	3333.0000	2947.1825	88		6		40	50 - 110
4-Nitroaniline	3333.0000	2827.7253	85		6		40	35 - 115
4,6-Dinitro-2-methylphenol	3333.0000	3013.6014	90		3		40	30 - 135
N-Nitrosodiphenylamine	3333.0000	2739.5105	82		6		40	50 - 115
4-Bromophenyl-phenylether	3333.0000	2924.4266	88		3		40	45 - 115
Hexachlorobenzene	3333.0000	2971.8739	89		7		40	45 - 120
Pentachlorophenol	3333.0000	3039.2016	91		1		40	25 - 120

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE DUPLICATE RECOVERY

EPA SAMPLE NO.
LCSD-63139

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Lab Sample ID: LCSD-63139 LCS Lot No.: A082598

COMPOUND	SPIKE ADDED	LCSD CONCENTRATION	LCSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Phenanthrene	3333.0000	2968.9264	89		3		40	50 - 110
Anthracene	3333.0000	3036.2161	91		2		40	55 - 105
Carbazole	3333.0000	3182.8158	95		1		40	45 - 115
Di-n-butylphthalate	3333.0000	3325.6753	100		1		40	55 - 110
Fluoranthene	3333.0000	3501.3722	105		1		40	55 - 115
Pyrene	3333.0000	2895.8710	87		1		40	45 - 125
Butylbenzylphthalate	3333.0000	2916.6348	88		0		40	50 - 125
3,3´-Dichlorobenzidine	3333.0000	2938.7608	88		43	*	40	10 - 130
Benzo(a)anthracene	3333.0000	3074.6606	92		1		40	50 - 110
Chrysene	3333.0000	3037.6256	91		2		40	55 - 110
Bis(2-ethylhexyl)phthalate	3333.0000	2978.5932	89		0		40	45 - 125
Di-n-octylphthalate	3333.0000	2995.1405	90		0		40	40 - 130
Benzo(b)fluoranthene	3333.0000	3225.8155	97		16		40	45 - 115
Benzo(k)fluoranthene	3333.0000	3167.8220	95		20		40	45 - 125
Benzo(a)pyrene	3333.0000	3130.5925	94		1		40	50 - 110
Indeno(1,2,3-cd)pyrene	3333.0000	3377.0293	101		0		40	40 - 120
Dibenzo(a,h)anthracene	3333.0000	3354.0592	101		3		40	40 - 125
Benzo(g,h,i)perylene	3333.0000	3437.8596	103		0		40	40 - 125

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

* Values outside of QC limits

RPD: 2 out of 64 outside limits

Spike Recovery: 0 out of 64 outside limits

COMMENTS:

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MB-63139

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Lab File ID: S3H7202.D Lab Sample ID: MB-63139

Instrument ID: S3 Date Extracted: 11/17/2011

Matrix: (SOIL/SED/WATER) SOIL Date Analyzed: 11/18/2011

Level: (LOW/MED) LOW Time Analyzed: 13:01

Extraction: (Type) SONC GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCS-63139	LCS-63139	S3H7203.D	11/18/2011
02	LCSD-63139	LCSD-63139	S3H7204.D	11/18/2011
03	CLASS 1 PILE-DRY	K2428-02A	S3H7206.D	11/18/2011
04	CLASS 1 PILE-WET	K2428-03A	S3H7207.D	11/18/2011
05	AOC1-CS-1	K2428-05A	S3H7208.D	11/18/2011
06	AOC1-CS-3	K2428-07A	S3H7209.D	11/18/2011
07	AOC1-CS-2	K2428-06A	S3H7210.D	11/18/2011
08	AOC1-CS-3DL	K2428-07ADL	S3H7512.D	11/18/2011

COMMENTS:

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

GC Column: Rxi-5sil MS ID: 0.25 (mm) Init. Calib. Date(s): 10/13/2011 10/13/2011

EPA Sample No.(SSTD020##) SSTD0253K Date Analyzed: 11/18/2011

Lab File ID (Standard): S3H7201A.D Time Analyzed: 12:35

Instrument ID: S3

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	80080		2.848		395837		4.333		310713		5.946	
	UPPER LIMIT	160160		3.348		791674		4.833		621426		6.446	
	LOWER LIMIT	40040		2.348		197919		3.833		155357		5.446	
	SAMPLE NO.												
01	MB-63139	78734		2.849		317436		4.329		221647		5.942	
02	LCS-63139	86273		2.852		362535		4.332		255427		5.945	
03	LCSD-63139	74359		2.848		317867		4.333		239100		5.946	
04	CLASS 1 PILE-DRY	85860		2.848		395097		4.328		311559		5.941	
05	CLASS 1 PILE-WET	99248		2.848		480718		4.333		368380		5.946	
06	AOC1-CS-1	101912		2.852		484711		4.337		377450		5.951	
07	AOC1-CS-3	131765		2.854		621753		4.340		456393		5.953	
08	AOC1-CS-2	103531		2.861		468824		4.341		365418		5.959	
09	AOC1-CS-3DL	131728		2.861		631196		4.341		467937		5.954	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

EPA Sample No.(SSTD020##) SSTD0253K Date Analyzed: 11/18/2011

Lab File ID (Standard): S3H7201A.D Time Analyzed: 12:35

Instrument ID: S3 GC Column: Rxi-5sil MS ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	661287		7.175		1074682		9.333		1139693		10.423	
	UPPER LIMIT	1322574		7.675		2149364		9.833		2279386		10.923	
	LOWER LIMIT	330644		6.675		537341		8.833		569847		9.923	
	SAMPLE NO.												
01	MB-63139	507374		7.166		876980		9.324		1008304		10.424	
02	LCS-63139	548078		7.169		943950		9.327		1053921		10.411	
03	LCSD-63139	535235		7.170		932416		9.328		1037540		10.412	
04	CLASS 1 PILE-DRY	696233		7.170		1094932		9.328		1235276		10.413	
05	CLASS 1 PILE-WET	810321		7.169		1220314		9.333		1261763		10.412	
06	AOC1-CS-1	829071		7.174		1247094		9.338		1256022		10.427	
07	AOC1-CS-3	990588		7.182		1187409		9.367		1219863		10.456	
08	AOC1-CS-2	804390		7.183		1186171		9.341		1183938		10.425	
09	AOC1-CS-3DL	961198		7.183		1214531		9.346		1169938		10.436	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

* Pesticide Organics *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : LaBella Associates

Project: 690 Saint Paul Street

Laboratory Workorder / SDG #: K2428

SW846 8081B, Organochlorine Pesticides by GC-ECD

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SW846 8081B.

IV. PREPARATION

Soil Samples were prepared following procedures in laboratory test code: SW3550.

V. INSTRUMENTATION

The following instrumentation was used:

Instrument Code: E5
Instrument Type: GC-ECD

Description: HP6890
Manufacturer: Hewlett-Packard
Model: 6890
GC Column used: 30 m X 0.53 mm ID [0.50 um thickness] CLPPest capillary column.

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Surrogates:

Surrogate standard percent recoveries were within the QC limits with the following exceptions. Please note that the acceptance criteria allow one surrogate recovery outside of the QC limits per fraction.

AOC1-CS-3 (K2428-07A), recovery is above criteria for Decachlorobiphenyl on rear column, at 223% with criteria of (55-130) due to co-elution.

D. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits.

E. Dilutions:

No sample in this SDG required analysis at dilution.

F. Samples:

The lower concentration between the primary and confirmatory GC column concentrations is reported due to the presence of interferences unless otherwise indicated on Form 10. Both values are reported on Form 10. P flags are assigned to compounds on Form 1 when D% between the two columns is greater than 40%.

No other unusual occurrences were noted during sample analysis.

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

Signed: 

Date: 12/7/11

Data Flag/Qualifiers:

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates an interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as aldol condensation byproducts.

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CLASS 1 PILE-DRY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-02A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E5H4818F.D/E5H4818R.D

% Moisture: 8.2 Decanted: (Y/N) N Date Received: 11/17/2011

Extraction: (Type) SONC Date Extracted: 11/17/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/18/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4´-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4´-DDD	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
50-29-3	4,4´-DDT	3.6	U
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.6	U
7421-93-4	Endrin aldehyde	3.6	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CLASS 1 PILE-WET

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-03A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: E5H4819F.D/E5H4819R.D

% Moisture: 14 Decanted: (Y/N) N Date Received: 11/17/2011

Extraction: (Type) SONC Date Extracted: 11/17/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/18/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.8	U
72-55-9	4,4´-DDE	3.8	U
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4´-DDD	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4´-DDT	3.9	
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	3.8	U
7421-93-4	Endrin aldehyde	3.8	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC1-CS-1

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-05A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E5H4820F.D/E5H4820R.D

% Moisture: 12 Decanted: (Y/N) N Date Received: 11/17/2011

Extraction: (Type) SONC Date Extracted: 11/17/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/18/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	3.5	
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.8	U
72-55-9	4,4´-DDE	3.8	U
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4´-DDD	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4´-DDT	12	
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.8	U
7421-93-4	Endrin aldehyde	3.8	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC1-CS-2

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-06A

Sample wt/vol: 30.5 (g/mL) G Lab File ID: E5H4821F.D/E5H4821R.D

% Moisture: 8.7 Decanted: (Y/N) N Date Received: 11/17/2011

Extraction: (Type) SONC Date Extracted: 11/17/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/18/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4´-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4´-DDD	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
50-29-3	4,4´-DDT	3.6	U
72-43-5	Methoxychlor	18	U
53494-70-5	Endrin ketone	3.6	U
7421-93-4	Endrin aldehyde	3.6	U
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	1.8	U
8001-35-2	Toxaphene	180	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC1-CS-3

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-07A

Sample wt/vol: 30.4 (g/mL) G Lab File ID: E5H4822F.D/E5H4822R.D

% Moisture: 14 Decanted: (Y/N) N Date Received: 11/17/2011

Extraction: (Type) SONC Date Extracted: 11/17/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/18/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	4.0	
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	2.7	P
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.8	U
72-55-9	4,4´-DDE	3.8	U
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4´-DDD	3.8	U
1031-07-8	Endosulfan sulfate	4.3	P
50-29-3	4,4´-DDT	11	
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	8.6	P
7421-93-4	Endrin aldehyde	8.4	
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WCS-111611-1

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-08A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: E5H4823F.D/E5H4823R.D

% Moisture: 11 Decanted: (Y/N) N Date Received: 11/17/2011

Extraction: (Type) SONC Date Extracted: 11/17/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/18/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4´-DDE	3.7	U
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4´-DDD	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4´-DDT	4.7	P
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.7	U
7421-93-4	Endrin aldehyde	3.7	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MB-63137

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-63137

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E5H4815F.D/E5H4815R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SONC Date Extracted: 11/17/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/18/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4´-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4´-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4´-DDT	3.3	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-63137(1)

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-63137

Sample wt/vol: 30 (g/mL) G Lab File ID: E5H4816F.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SONC Date Extracted: 11/17/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/18/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	5.6	
319-85-7	beta-BHC	6.2	
319-86-8	delta-BHC	6.2	
58-89-9	gamma-BHC (Lindane)	5.8	
76-44-8	Heptachlor	6.0	
309-00-2	Aldrin	5.8	
1024-57-3	Heptachlor epoxide	5.9	
959-98-8	Endosulfan I	5.5	
60-57-1	Dieldrin	12	
72-55-9	4,4´-DDE	12	
72-20-8	Endrin	12	
33213-65-9	Endosulfan II	11	
72-54-8	4,4´-DDD	11	
1031-07-8	Endosulfan sulfate	11	
50-29-3	4,4´-DDT	12	
72-43-5	Methoxychlor	61	
53494-70-5	Endrin ketone	12	
7421-93-4	Endrin aldehyde	12	
5103-71-9	alpha-Chlordane	5.8	
5103-74-2	gamma-Chlordane	6.0	
8001-35-2	Toxaphene	170	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-63137(2)

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-63137

Sample wt/vol: 30 (g/mL) G Lab File ID: E5H4816R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SONC Date Extracted: 11/17/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/18/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	5.5	
319-85-7	beta-BHC	5.5	
319-86-8	delta-BHC	5.7	
58-89-9	gamma-BHC (Lindane)	5.7	
76-44-8	Heptachlor	5.5	
309-00-2	Aldrin	5.5	
1024-57-3	Heptachlor epoxide	5.6	
959-98-8	Endosulfan I	5.2	
60-57-1	Dieldrin	11	
72-55-9	4,4´-DDE	11	
72-20-8	Endrin	11	
33213-65-9	Endosulfan II	10	
72-54-8	4,4´-DDD	11	
1031-07-8	Endosulfan sulfate	10	
50-29-3	4,4´-DDT	11	
72-43-5	Methoxychlor	56	
53494-70-5	Endrin ketone	11	
7421-93-4	Endrin aldehyde	11	
5103-71-9	alpha-Chlordane	5.4	
5103-74-2	gamma-Chlordane	5.6	
8001-35-2	Toxaphene	170	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
LCSD-63137(1)

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCSD-63137

Sample wt/vol: 30 (g/mL) G Lab File ID: E5H4817F.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SONC Date Extracted: 11/17/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/18/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	5.4	
319-85-7	beta-BHC	6.0	
319-86-8	delta-BHC	6.2	
58-89-9	gamma-BHC (Lindane)	5.7	
76-44-8	Heptachlor	5.7	
309-00-2	Aldrin	5.6	
1024-57-3	Heptachlor epoxide	5.8	
959-98-8	Endosulfan I	5.4	
60-57-1	Dieldrin	12	
72-55-9	4,4´-DDE	12	
72-20-8	Endrin	12	
33213-65-9	Endosulfan II	11	
72-54-8	4,4´-DDD	11	
1031-07-8	Endosulfan sulfate	11	
50-29-3	4,4´-DDT	12	
72-43-5	Methoxychlor	60	
53494-70-5	Endrin ketone	12	
7421-93-4	Endrin aldehyde	12	
5103-71-9	alpha-Chlordane	5.7	
5103-74-2	gamma-Chlordane	6.0	
8001-35-2	Toxaphene	170	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
LCSD-63137(2)

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCSD-63137

Sample wt/vol: 30 (g/mL) G Lab File ID: E5H4817R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SONC Date Extracted: 11/17/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/18/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	5.4	
319-85-7	beta-BHC	5.5	
319-86-8	delta-BHC	5.8	
58-89-9	gamma-BHC (Lindane)	5.6	
76-44-8	Heptachlor	5.6	
309-00-2	Aldrin	5.4	
1024-57-3	Heptachlor epoxide	5.5	
959-98-8	Endosulfan I	5.0	
60-57-1	Dieldrin	11	
72-55-9	4,4´-DDE	11	
72-20-8	Endrin	11	
33213-65-9	Endosulfan II	10	
72-54-8	4,4´-DDD	11	
1031-07-8	Endosulfan sulfate	10	
50-29-3	4,4´-DDT	11	
72-43-5	Methoxychlor	56	
53494-70-5	Endrin ketone	11	
7421-93-4	Endrin aldehyde	11	
5103-71-9	alpha-Chlordane	5.4	
5103-74-2	gamma-Chlordane	5.5	
8001-35-2	Toxaphene	170	U

2P - FORM II PEST-2

SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

GC Column(1): CLPPest ID: 0.53 (mm) GC Column(2): CLPPestII ID: 0.53 (mm)

	CLIENT SAMPLE NO.	TCX 1 %REC	#	TCX 2 %REC	#	DCB 1 %REC	#	DCB 2 %REC	#	OTHER (1)	OTHER (2)	TOT OUT
01	MB-63137	79		73		86		82				0
02	LCS-63137	79		75		88		85				0
03	LCSD-63137	77		71		87		84				0
04	CLASS 1 PILE-DRY	70		70		67		87				0
05	CLASS 1 PILE-WET	64		64		75		92				0
06	AOC1-CS-1	63		55		63		97				0
07	AOC1-CS-2	60		56		65		69				0
08	AOC1-CS-3	57		56		88		223	*			1
09	WCS-111611-1	69		56		94		100				0

	QC LIMITS
TCX = Tetrachloro-m-xylene	(14-113)
DCB = Decachlorobiphenyl	(55-130)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

som111.10.27.A

SW846

3M - FORM III PEST-3
SOIL PESTICIDE LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
LCS-63137

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Lab Sample ID: LCS-63137 LCS Lot No.: A079294

Date Extracted: 11/17/2011 Date Analyzed (1): 11/18/2011

Instrument ID (1): E5 GC Column(1): CLPPest ID: 0.53 (mm)

COMPOUND	AMOUNT ADDED (UG/KG)	AMOUNT RECOVERED (UG/KG)	%REC #	QC LIMITS
alpha-BHC	6.6670	5.5657	83	60-125
beta-BHC	6.6670	6.1988	93	60-125
delta-BHC	6.6670	6.2451	94	55-130
gamma-BHC (Lindane)	6.6670	5.8412	88	60-125
Heptachlor	6.6670	5.9841	90	50-140
Aldrin	6.6670	5.8376	88	45-140
Heptachlor epoxide	6.6670	5.8949	88	65-130
Endosulfan I	6.6670	5.5141	83	15-135
Dieldrin	13.3330	12.0967	91	65-125
4,4´-DDE	13.3330	12.4819	94	70-125
Endrin	13.3330	12.1450	91	60-135
Endosulfan II	13.3330	11.1249	83	35-140
4,4´-DDD	13.3330	11.4128	86	30-135
Endosulfan sulfate	13.3330	11.0028	83	60-135
4,4´-DDT	13.3330	11.9386	90	45-140
Methoxychlor	66.6670	60.9393	91	55-145
Endrin ketone	13.3330	11.8787	89	65-135
Endrin aldehyde	13.3330	11.9220	89	35-145
alpha-Chlordane	6.6670	5.8109	87	65-120
gamma-Chlordane	6.6670	6.0344	91	65-125

Instrument ID (2): E5 GC Column(2): CLPPestII ID: 0.53 (mm)

Date Analyzed (2): 11/18/2011

COMPOUND	AMOUNT ADDED (UG/KG)	AMOUNT RECOVERED (UG/KG)	%REC #	QC LIMITS
alpha-BHC	6.6670	5.4855	82	60-125
beta-BHC	6.6670	5.5063	83	60-125
delta-BHC	6.6670	5.7389	86	55-130
gamma-BHC (Lindane)	6.6670	5.6744	85	60-125

COMMENTS:

3M - FORM III PEST-3
SOIL PESTICIDE LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
LCS-63137

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Lab Sample ID: LCS-63137 LCS Lot No.: A079294

Date Extracted: 11/17/2011 Date Analyzed (1): 11/18/2011

Heptachlor	6.6670	5.5380	83	50-140
Aldrin	6.6670	5.5030	83	45-140
Heptachlor epoxide	6.6670	5.5863	84	65-130
Endosulfan I	6.6670	5.1859	78	15-135
Dieldrin	13.3330	11.0563	83	65-125
4,4´-DDE	13.3330	11.3070	85	70-125
Endrin	13.3330	11.0125	83	60-135
Endosulfan II	13.3330	10.3767	78	35-140
4,4´-DDD	13.3330	10.8270	81	30-135
Endosulfan sulfate	13.3330	10.3441	78	60-135
4,4´-DDT	13.3330	10.9695	82	45-140
Methoxychlor	66.6670	56.2892	84	55-145
Endrin ketone	13.3330	10.8011	81	65-135
Endrin aldehyde	13.3330	10.7117	80	35-145
alpha-Chlordane	6.6670	5.4107	81	65-120
gamma-Chlordane	6.6670	5.5885	84	65-125

Column to be used to flag recovery values with an asterisk
* Values outside of QC limits

LCS Recovery: 0 out of 40 outside limits.

COMMENTS:

som111.10.27.A

3M - FORM III PEST-3
SOIL PESTICIDE LABORATORY CONTROL
SAMPLE DUPLICATE RECOVERY

CLIENT SAMPLE NO.
LCSD-63137

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Lab Sample ID: LCSD-63137 LCS Lot No.: A079294

Date Extracted: 11/17/2011 Date Analyzed (1): 11/18/2011

Instrument ID (1): E5 GC Column(1): CLPPest ID: 0.53 (mm)

COMPOUND	AMOUNT ADDED (UG/KG)	AMOUNT RECOVERED (UG/KG)	%REC #	QC LIMITS	%RPD #	RPD LIMIT
alpha-BHC	6.6670	5.3845	81	60-125	2.0	30
beta-BHC	6.6670	6.0179	90	60-125	3.0	30
delta-BHC	6.6670	6.1746	93	55-130	1.0	30
gamma-BHC (Lindane)	6.6670	5.7300	86	60-125	2.0	30
Heptachlor	6.6670	5.7378	86	50-140	5.0	30
Aldrin	6.6670	5.5751	84	45-140	5.0	30
Heptachlor epoxide	6.6670	5.8165	87	65-130	1.0	30
Endosulfan I	6.6670	5.3885	81	15-135	2.0	30
Dieldrin	13.3330	11.9588	90	65-125	1.0	30
4,4´-DDE	13.3330	12.3771	93	70-125	1.0	30
Endrin	13.3330	12.0337	90	60-135	1.0	30
Endosulfan II	13.3330	11.0230	83	35-140	0	30
4,4´-DDD	13.3330	11.2674	85	30-135	1.0	30
Endosulfan sulfate	13.3330	10.9594	82	60-135	1.0	30
4,4´-DDT	13.3330	11.7666	88	45-140	2.0	30
Methoxychlor	66.6670	60.4198	91	55-145	0	30
Endrin ketone	13.3330	11.7864	88	65-135	1.0	30
Endrin aldehyde	13.3330	11.7939	88	35-145	1.0	30
alpha-Chlordane	6.6670	5.7138	86	65-120	1.0	30
gamma-Chlordane	6.6670	5.9886	90	65-125	1.0	30

Instrument ID (2): E5 GC Column(2): CLPPestII ID: 0.53 (mm)

Date Analyzed (2): 11/18/2011

COMPOUND	AMOUNT ADDED (UG/KG)	AMOUNT RECOVERED (UG/KG)	%REC #	QC LIMITS	%RPD #	RPD LIMIT
alpha-BHC	6.6670	5.3630	80	60-125	2.0	30
beta-BHC	6.6670	5.5331	83	60-125	0	30
delta-BHC	6.6670	5.7803	87	55-130	1.0	30
gamma-BHC (Lindane)	6.6670	5.5564	83	60-125	2.0	30

COMMENTS:

som111.10.27.A

3M - FORM III PEST-3
SOIL PESTICIDE LABORATORY CONTROL
SAMPLE DUPLICATE RECOVERY

CLIENT SAMPLE NO.
LCSD-63137

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Lab Sample ID: LCSD-63137 LCS Lot No.: A079294

Date Extracted: 11/17/2011 Date Analyzed (1): 11/18/2011

Heptachlor	6.6670	5.5687	84	50-140	1.0	30
Aldrin	6.6670	5.3813	81	45-140	2.0	30
Heptachlor epoxide	6.6670	5.5138	83	65-130	1.0	30
Endosulfan I	6.6670	5.0448	76	15-135	3.0	30
Dieldrin	13.3330	10.9835	82	65-125	1.0	30
4,4´-DDE	13.3330	11.1896	84	70-125	1.0	30
Endrin	13.3330	11.0379	83	60-135	0	30
Endosulfan II	13.3330	10.3461	78	35-140	0	30
4,4´-DDD	13.3330	10.6851	80	30-135	1.0	30
Endosulfan sulfate	13.3330	10.3401	78	60-135	0	30
4,4´-DDT	13.3330	10.8507	81	45-140	1.0	30
Methoxychlor	66.6670	55.7651	84	55-145	0	30
Endrin ketone	13.3330	10.7352	81	65-135	0	30
Endrin aldehyde	13.3330	10.6210	80	35-145	0	30
alpha-Chlordane	6.6670	5.3870	81	65-120	0	30
gamma-Chlordane	6.6670	5.4846	82	65-125	2.0	30

Column to be used to flag recovery values with an asterisk
* Values outside of QC limits

LCS Recovery: 0 out of 40 outside limits.

RPD: 0 out of 40 outside limits.

COMMENTS:

som111.10.27.A

4E - FORM IV PEST

PESTICIDE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MB-63137

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Lab File ID: E5H4815F.D / E5H4815R.D Lab Sample ID: MB-63137

Matrix: (SOIL/SED/WATER) SOIL Extraction: (Type) SONC Date Extracted: 11/17/2011

Sulfur Cleanup: (Y/N) Y GPC Cleanup:(Y/N) N

Date Analyzed (1): 11/18/2011 Date Analyzed (2): 11/18/2011

Time Analyzed (1): 11:07 Time Analyzed (2): 11:07

Instrument ID (1): E5 Instrument ID (2): E5

GC Column(1): CLPPest ID: 0.53 (mm) GC Column(2): CLPPestII ID: 0.53 (mm)

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED (1)	DATE ANALYZED (2)
01	LCS-63137	LCS-63137	11/18/2011	11/18/2011
02	LCSD-63137	LCSD-63137	11/18/2011	11/18/2011
03	CLASS 1 PILE-DRY	K2428-02A	11/18/2011	11/18/2011
04	CLASS 1 PILE-WET	K2428-03A	11/18/2011	11/18/2011
05	AOC1-CS-1	K2428-05A	11/18/2011	11/18/2011
06	AOC1-CS-2	K2428-06A	11/18/2011	11/18/2011
07	AOC1-CS-3	K2428-07A	11/18/2011	11/18/2011
08	WCS-111611-1	K2428-08A	11/18/2011	11/18/2011

COMMENTS:

* PCB Organics *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : LaBella Associates

Project: 690 Saint Paul Street

Laboratory Workorder / SDG #: K2428

SW846 8082A, PCB by GC-ECD

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SW846 8082A

IV. PREPARATION

Soil Samples were prepared following procedures in laboratory test code: SW3550

V. INSTRUMENTATION

The following instrumentation was used

Instrument Code: E4
Instrument Type: GC-ECD
Description: HP6890
Manufacturer: Hewlett-Packard
Model: 6890
GC Column used: 30 m X 0.53 mm ID [0.50 um thickness] CLPPest capillary column.

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Surrogates:

Surrogate standard percent recoveries were within the QC limits with the following exceptions. Please note that the acceptance criteria allow one surrogate recovery outside of the QC limits per fraction.

CLASS 1 PILE-DRY (K2428-02A), recovery is below criteria for Decachlorobiphenyl on front column, at 59% with criteria of (60-125).

CLASS 1 PILE-WET (K2428-03A), recovery is below criteria for Decachlorobiphenyl on front column, at 54% with criteria of (60-125).

AOC1-CS-1 (K2428-05A), recovery is below criteria for Decachlorobiphenyl on front column, at 48% with criteria of (60-125).

AOC1-CS-2 (K2428-06A), recovery is below criteria for Decachlorobiphenyl on front column, at 52% with criteria of (60-125).

AOC1-CS-3 (K2428-07A), recovery is above criteria for Decachlorobiphenyl on rear column, at 176% with criteria of (60-125), recovery is below criteria for and Decachlorobiphenyl on front column, at 43% with criteria of (60-125).

WCS-111611-1 (K2428-08A), recovery is below criteria for Decachlorobiphenyl on front column, at 43% with criteria of (60-125).

D. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits.

E. Dilutions:

No sample in this SDG required analysis at dilution.

F. Samples:

The lower concentration between the primary and confirmatory GC column concentrations is reported due to the presence of interferences unless otherwise indicated on Form 10. Both values are reported on Form 10. P flags are assigned to compounds on Form 1 when D% between the two columns are greater than 40%.

No other unusual occurrences were noted during sample analysis.

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

Signed: 

Date: 12/7/11

Data Flag/Qualifiers:

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates an interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as aldol condensation byproducts.

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CLASS 1 PILE-DRY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-02A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E4G8094F.D/E4G8094R.D

% Moisture: 8.2 Decanted: (Y/N) N Date Received: 11/17/2011

Extraction: (Type) SONC Date Extracted: 11/17/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/18/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup:(Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	36	U
11104-28-2	Aroclor-1221	36	U
11141-16-5	Aroclor-1232	36	U
53469-21-9	Aroclor-1242	36	U
12672-29-6	Aroclor-1248	36	U
11097-69-1	Aroclor-1254	36	U
11096-82-5	Aroclor-1260	36	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CLASS 1 PILE-WET

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-03A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: E4G8095F.D/E4G8095R.D

% Moisture: 14 Decanted: (Y/N) N Date Received: 11/17/2011

Extraction: (Type) SONC Date Extracted: 11/17/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/18/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup:(Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	38	U
11104-28-2	Aroclor-1221	38	U
11141-16-5	Aroclor-1232	38	U
53469-21-9	Aroclor-1242	38	U
12672-29-6	Aroclor-1248	38	U
11097-69-1	Aroclor-1254	38	U
11096-82-5	Aroclor-1260	38	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC1-CS-1

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-05A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E4G8096F.D/E4G8096R.D

% Moisture: 12 Decanted: (Y/N) N Date Received: 11/17/2011

Extraction: (Type) SONC Date Extracted: 11/17/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/18/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup:(Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	38	U
11104-28-2	Aroclor-1221	38	U
11141-16-5	Aroclor-1232	38	U
53469-21-9	Aroclor-1242	38	U
12672-29-6	Aroclor-1248	38	U
11097-69-1	Aroclor-1254	38	U
11096-82-5	Aroclor-1260	82	P

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC1-CS-2

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-06A

Sample wt/vol: 30.5 (g/mL) G Lab File ID: E4G8097F.D/E4G8097R.D

% Moisture: 8.7 Decanted: (Y/N) N Date Received: 11/17/2011

Extraction: (Type) SONC Date Extracted: 11/17/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/18/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup:(Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	36	U
11104-28-2	Aroclor-1221	36	U
11141-16-5	Aroclor-1232	36	U
53469-21-9	Aroclor-1242	36	U
12672-29-6	Aroclor-1248	36	U
11097-69-1	Aroclor-1254	36	U
11096-82-5	Aroclor-1260	36	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC1-CS-3

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-07A

Sample wt/vol: 30.4 (g/mL) G Lab File ID: E4G8098F.D/E4G8098R.D

% Moisture: 14 Decanted: (Y/N) N Date Received: 11/17/2011

Extraction: (Type) SONC Date Extracted: 11/17/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/18/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup:(Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	38	U
11104-28-2	Aroclor-1221	38	U
11141-16-5	Aroclor-1232	38	U
53469-21-9	Aroclor-1242	38	U
12672-29-6	Aroclor-1248	38	U
11097-69-1	Aroclor-1254	38	U
11096-82-5	Aroclor-1260	42	P

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WCS-111611-1

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2428-08A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: E4G8099F.D/E4G8099R.D

% Moisture: 11 Decanted: (Y/N) N Date Received: 11/17/2011

Extraction: (Type) SONC Date Extracted: 11/17/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/18/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup:(Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	37	U
11104-28-2	Aroclor-1221	37	U
11141-16-5	Aroclor-1232	37	U
53469-21-9	Aroclor-1242	37	U
12672-29-6	Aroclor-1248	37	U
11097-69-1	Aroclor-1254	37	U
11096-82-5	Aroclor-1260	37	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MB-63138

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-63138

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E4G8126F.D/E4G8126R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SONC Date Extracted: 11/17/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/21/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup:(Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	33	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-63138(1)

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-63138

Sample wt/vol: 30 (g/mL) G Lab File ID: E4G8101F.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SONC Date Extracted: 11/17/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/18/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup:(Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	110	
11104-28-2	Aroclor-1221	33	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	110	

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-63138(2)

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-63138

Sample wt/vol: 30 (g/mL) G Lab File ID: E4G8101R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SONC Date Extracted: 11/17/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/18/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup:(Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	110	
11104-28-2	Aroclor-1221	33	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	150	

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
LCSD-63138(1)

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCSD-63138

Sample wt/vol: 30 (g/mL) G Lab File ID: E4G8102F.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SONC Date Extracted: 11/17/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/18/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup:(Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	110	
11104-28-2	Aroclor-1221	33	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	120	

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
LCSD-63138(2)

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCSD-63138

Sample wt/vol: 30 (g/mL) G Lab File ID: E4G8102R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SONC Date Extracted: 11/17/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/18/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup:(Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	110	
11104-28-2	Aroclor-1221	33	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	150	

2R - FORM II ARO-2

SOIL AROCLOR SURROGATE RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

GC Column(1): CLPPest ID: 0.53 (mm) GC Column(2): CLPPestII ID: 0.53 (mm)

	CLIENT SAMPLE NO.	TCX 1 %REC	#	TCX 2 %REC	#	DCB 1 %REC	#	DCB 2 %REC	#	OTHER (1)	OTHER (2)	TOT OUT
01	CLASS 1 PILE-DRY	71		74		59	*	113				1
02	CLASS 1 PILE-WET	65		69		54	*	113				1
03	AOC1-CS-1	50		55		48	*	106				1
04	AOC1-CS-2	62		64		52	*	91				1
05	AOC1-CS-3	51		55		43	*	176	*			2
06	WCS-111611-1	55		60		43	*	110				1
07	LCS-63138	77		78		64		99				0
08	LCSD-63138	79		81		70		100				0
09	MB-63138	88		87		89		115				0

	QC LIMITS
TCX = Tetrachloro-m-xylene	(34-147)
DCB = Decachlorobiphenyl	(60-125)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

som111.10.27.A

SW846

3P - FORM III ARO-4

SOIL AROCLOR LABORATORY CONTROL SAMPLE RECOVERY

CLIENT SAMPLE NO.

LCS-63138

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Lab Sample ID: LCS-63138 LCS Lot No.: a080162

Date Extracted: 11/17/2011 Date Analyzed (1): 11/18/2011

Instrument ID (1): E4 GC Column(1): CLPPest ID: 0.53 (mm)

COMPOUND	AMOUNT ADDED (UG/KG)	AMOUNT RECOVERED (UG/KG)	%REC #	QC LIMITS
Aroclor-1016	133.3330	110.5569	83	40-140
Aroclor-1260	133.3330	108.5324	81	60-130

Instrument ID (2): E4 GC Column(2): CLPPestII ID: 0.53 (mm)

Date Analyzed (2): 11/18/2011

COMPOUND	AMOUNT ADDED (UG/KG)	AMOUNT RECOVERED (UG/KG)	%REC #	QC LIMITS
Aroclor-1016	133.3330	107.3662	81	40-140
Aroclor-1260	133.3330	145.8905	109	60-130

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

LCS Recovery: 0 out of 4 outside limits.

COMMENTS:

som111.10.27.A

3P - FORM III ARO-4

SOIL AROCLOR LABORATORY CONTROL

SAMPLE DUPLICATE RECOVERY

CLIENT SAMPLE NO.

LCSD-63138

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Lab Sample ID: LCSD-63138 LCS Lot No.: a080162

Date Extracted: 11/17/2011 Date Analyzed (1): 11/18/2011

Instrument ID (1): E4 GC Column(1): CLPPest ID: 0.53 (mm)

COMPOUND	AMOUNT ADDED (UG/KG)	AMOUNT RECOVERED (UG/KG)	%REC	#	QC LIMITS	%RPD	#	RPD LIMIT
Aroclor-1016	133.3330	112.5242	84		40-140	1.0		30
Aroclor-1260	133.3330	115.2163	86		60-130	6.0		30

Instrument ID (2): E4 GC Column(2): CLPPestII ID: 0.53 (mm)

Date Analyzed (2): 11/18/2011

COMPOUND	AMOUNT ADDED (UG/KG)	AMOUNT RECOVERED (UG/KG)	%REC	#	QC LIMITS	%RPD	#	RPD LIMIT
Aroclor-1016	133.3330	109.9341	82		40-140	1.0		30
Aroclor-1260	133.3330	146.5619	110		60-130	1.0		30

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

LCS Recovery: 0 out of 4 outside limits.

RPD: 0 out of 4 outside limits.

COMMENTS:

som111.10.27.A

4F - FORM IV ARO

AROCLOR METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MB-63138

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2428 Mod. Ref No.: SDG No.: SK2428

Lab File ID: E4G8126F.D / E4G8126R.D Lab Sample ID: MB-63138

Matrix: (SOIL/SED/WATER) SOIL Extraction: (Type) SONC Date Extracted: 11/17/2011

Sulfur Cleanup: (Y/N) Y GPC Cleanup:(Y/N) N

Acid Cleanup: (Y/N Y

Date Analyzed (1): 11/21/2011 Date Analyzed (2): 11/21/2011

Time Analyzed (1): 10:51 Time Analyzed (2): 10:51

Instrument ID (1): E4 Instrument ID (2): E4

GC Column(1): CLPPest ID: 0.53 (mm) GC Column(2): CLPPestII ID: 0.53 (mm)

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED (1)	DATE ANALYZED (2)
01	CLASS 1 PILE-DRY	K2428-02A	11/18/2011	11/18/2011
02	CLASS 1 PILE-WET	K2428-03A	11/18/2011	11/18/2011
03	AOC1-CS-1	K2428-05A	11/18/2011	11/18/2011
04	AOC1-CS-2	K2428-06A	11/18/2011	11/18/2011
05	AOC1-CS-3	K2428-07A	11/18/2011	11/18/2011
06	WCS-111611-1	K2428-08A	11/18/2011	11/18/2011
07	LCS-63138	LCS-63138	11/18/2011	11/18/2011
08	LCSD-63138	LCSD-63138	11/18/2011	11/18/2011

COMMENTS:

* Metals *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : LaBella Associates

Project: 690 Saint Paul Street

Laboratory Workorder / SDG #: K2428

SW846 6010C, SW846 7471B

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SW846 6010C, SW846 7471B

IV. PREPARATION

Soil Samples were prepared following procedures in laboratory test code: SW3050
Soil Samples were prepared following procedures in laboratory test code: SW7471B

V. INSTRUMENTATION

The following instrumentation was used to perform

Instrument Code: FIMS2
Instrument Type: CVAA
Description: FIMS
Manufacturer: Perkin-Elmer
Model: FIMS100

Instrument Code: OPTIMA3
Instrument Type: ICP
Description: Optima ICP-OES
Manufacturer: Perkin-Elmer
Model: 4300 DV

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Laboratory Control Spikes (LCS):

Percent recoveries for laboratory control samples were within the QC limits.

D. Samples:

No other unusual occurrences were noted during sample analysis.

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

Signed: 

Date: 12/7/11

Data Flag/Qualifiers:

U — Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J — This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B — This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D — For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E — This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P — This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates an interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A — Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as aldol condensation byproducts.

N — Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* — For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

CLASS 1 PILE-DRY

Lab Name: Spectrum Analytical, Inc. Contract: 208492

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK2428

Matrix (soil/water): SOIL Lab Sample ID: K2428-02

Level (low/med): MED Date Received: 11/17/2011

% Solids: 91.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4120			P
7440-36-0	Antimony	0.53	B		P
7440-38-2	Arsenic	3.0			P
7440-39-3	Barium	42.4			P
7440-41-7	Beryllium	0.23	B		P
7440-43-9	Cadmium	0.28			P
7440-70-2	Calcium	75400			P
7440-47-3	Chromium	6.9			P
7440-48-4	Cobalt	3.2			P
7440-50-8	Copper	20.5			P
7439-89-6	Iron	9270			P
7439-92-1	Lead	22.1			P
7439-95-4	Magnesium	32000			P
7439-96-5	Manganese	377			P
7439-97-6	Mercury	0.023	B		CV
7440-02-0	Nickel	8.0			P
7440-09-7	Potassium	858			P
7782-49-2	Selenium	0.65	U		P
7440-22-4	Silver	0.065	U		P
7440-23-5	Sodium	128			P
7440-28-0	Thallium	0.52	B		P
7440-62-2	Vanadium	10.1			P
7440-66-6	Zinc	67.9			P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

CLASS 1 PILE-WET

Lab Name: Spectrum Analytical, Inc. Contract: 208492

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK2428

Matrix (soil/water): SOIL Lab Sample ID: K2428-03

Level (low/med): MED Date Received: 11/17/2011

% Solids: 86.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3920			P
7440-36-0	Antimony	0.59	B		P
7440-38-2	Arsenic	4.4			P
7440-39-3	Barium	58.1			P
7440-41-7	Beryllium	0.27			P
7440-43-9	Cadmium	0.38			P
7440-70-2	Calcium	112000			P
7440-47-3	Chromium	8.9			P
7440-48-4	Cobalt	3.4			P
7440-50-8	Copper	26.6			P
7439-89-6	Iron	10400			P
7439-92-1	Lead	39.5			P
7439-95-4	Magnesium	38500			P
7439-96-5	Manganese	335			P
7439-97-6	Mercury	0.043			CV
7440-02-0	Nickel	8.8			P
7440-09-7	Potassium	1170			P
7782-49-2	Selenium	0.70	U		P
7440-22-4	Silver	0.070	U		P
7440-23-5	Sodium	192			P
7440-28-0	Thallium	0.24	U		P
7440-62-2	Vanadium	9.4			P
7440-66-6	Zinc	77.2			P

Comments:

U.S. EPA - CLP

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LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 208492

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK2428

Solid LCS Source: LCS(D) ID:

Aqueous LCS Source: **LCS-63128**

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Aluminum				455.0	460.5		364	546.0	101.2
Antimony				22.8	21.3		18.2	27.3	93.4
Arsenic				22.8	22.9		18.2	27.3	100.4
Barium				455.0	465.7		364	546.0	102.4
Beryllium				11.4	11.3		9.1	13.6	99.1
Cadmium				11.4	11.1		9.1	13.6	97.4
Calcium				1135.0	1133.2		908	1362.0	99.8
Chromium				45.5	46.8		36.4	54.6	102.9
Cobalt				113.5	115.9		90.8	136.2	102.1
Copper				56.5	58.2		45.2	67.8	103.0
Iron				227.5	233.0		182	273.0	102.4
Lead				22.8	23.1		18.2	27.3	101.3
Magnesium				1135.0	1174.3		908	1362.0	103.5
Manganese				113.5	116.3		90.8	136.2	102.5
Nickel				113.5	119.1		90.8	136.2	104.9
Potassium				1135.0	1145.0		908	1362.0	100.9
Selenium				22.8	21.9		18.2	27.3	96.1
Silver				56.5	58.9		42.4	67.8	104.2
Sodium				1135.0	1143.4		908	1362.0	100.7
Thallium				22.8	22.0		18.2	27.3	96.5
Vanadium				113.5	118.6		90.8	136.2	104.5
Zinc				113.5	115.0		90.8	136.2	101.3

U.S. EPA - CLP

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LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 208492

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK2428

Solid LCS Source: LCS(D) ID:

Aqueous LCS Source: **LCS-63131**

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Mercury				0.8	0.8		0.6	0.9	100.0

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 208492

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK2428

Preparation Blank Matrix (soil/water): SOIL

Method Blank ID: **MB-63131**

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

FIMS2_111118A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury	0.034	B	0.064	B	0.052	B			0.002	U	CV

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BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 208492

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK2428

Preparation Blank Matrix (soil/water): SOIL Method Blank ID: **MB-63128**

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

OPTIMA3_111118A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	66.0	U	66.0	U	66.0	U	66.0	U	1.200	U	P
Antimony	9.3	U	10.3	B	9.3	U	9.3	U	0.600	B	P
Arsenic	4.3	U	4.3	U	4.3	U	4.3	U	0.410	U	P
Barium	1.4	B	2.2	B	2.4	B	1.6	B	0.031	U	P
Beryllium	0.3	U	0.3	U	0.3	U	0.3	U	0.003	B	P
Cadmium	0.9	U	0.9	U	0.9	U	0.9	U	0.015	U	P
Calcium	110.0	U	212.7	B	161.1	B	122.2	B	8.197	B	P
Chromium	0.6	U	0.6	U	0.6	U	0.6	U	0.019	U	P
Cobalt	0.7	U	0.8	B	0.9	B	0.7	U	0.044	U	P
Copper	3.6	U	3.6	U	3.6	U	3.6	U	0.110	U	P
Iron	31.0	U	31.0	U	31.0	U	31.0	U	1.500	U	P
Lead	4.2	U	4.2	U	4.2	U	4.2	U	0.170	U	P
Magnesium	76.0	U	76.0	U	76.0	U	76.0	U	1.076	B	P
Manganese	10.0	U	10.0	U	10.0	U	10.0	U	0.130	U	P
Nickel	0.9	U	0.9	B	0.8	U	0.8	U	0.043	U	P
Potassium	76.0	U	76.0	U	113.1	B	101.7	B	3.400	U	P
Selenium	12.0	U	12.0	U	12.0	U	12.0	U	0.640	U	P
Silver	6.9	U	6.9	U	6.9	U	6.9	U	0.064	U	P
Sodium	35.5	B	29.0	U	29.0	U	74.8	B	1.100	U	P
Thallium	6.2	U	6.2	U	6.2	U	6.2	U	0.220	U	P
Vanadium	1.1	U	1.1	U	1.1	U	1.1	U	0.060	U	P
Zinc	4.9	U	4.9	U	4.9	U	4.9	U	0.180	U	P

U.S. EPA - CLP

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BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 208492

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK2428

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_111118A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Calcium			134.3	B							P
Magnesium			76.0	U							P

Report Date:
13-Dec-11 13:26

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

Laboratory Report

LaBella Associates
300 State Street, Suite 201
Rochester, NY 14614

Work Order: K2450
Project : 690 Saint Paul Street
Project #: 208492

Attn: Dan Noll

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
K2450-01	AOC-1-CS-4	Soil	17-Nov-11 15:00	18-Nov-11 09:00
K2450-02	AOC-1-CS-5	Soil	17-Nov-11 15:10	18-Nov-11 09:00
K2450-03	WCS-111711-1	Soil	17-Nov-11 15:30	18-Nov-11 09:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. The results relate only to the samples(s) as received. This report may not be reproduced, except in full, without written approval from Mitkem Laboratories.

All applicable NELAC or USEPA CLP requirments have been meet.

Spectrum Analytical (Rhode Island) is accredited under the National Environmental Laboratory Approval Program (NELAP) and is certified by several States, as well as USEPA and US Department of Defense. The current list of our laboratory approvals and certifications is available on the Certifications page on our web site at www.mitkem.com.

Please contact the Laboratory or Technical Director at 401-732-3400 with any questions regarding the data contained in the laboratory report.

Department of Defense	N/A
Connecticut	PH-0153
Delaware	N/A
Maine	2007037
Massachusetts	M-RI907
New Hampshire	2631
New Jersey	RI001
New York	11522
North Carolina	581
Pennsylvania	68-00520
Rhode Island	LAI00301
USDA	P330-08-00023
USEPA - ISM	EP-W-09-039
USEPA - SOM	EP-W-11-033

NELAP ACCREDITED TNI LABORATORY

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

LABORATORY ACCREDITATION BUREAU ACCREDITED
Certificate # L2247 Testing

DoD ELAP

Authorized by:

Yihai Ding
Laboratory Director



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

* Data Summary Pack *

175 Metro Center Boulevard · Warwick, RI 02886-1755 · 401-732-3400 · FAX 401-732-3499
www.spectrum-analytical.com

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : 690 Saint Paul Street -- 208492 **SDG :** K2450

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
AOC-1-CS-4	K2450-01	SW8260_LOW_S	SW8270_S	SW8081_S		
AOC-1-CS-4	K2450-01	SW8260_MED_S		SW8082_S		
AOC-1-CS-5	K2450-02	SW8260_LOW_S	SW8270_S	SW8081_S		
AOC-1-CS-5	K2450-02			SW8082_S		
WCS-111711-1	K2450-03	SW8260_LOW_S		SW8081_S		
WCS-111711-1	K2450-03	SW8260_W		SW8082_S		

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSVOA

Project Name : 690 Saint Paul Street -- 208492 **SDG :** K2450

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8260_LOW_S					
K2450-01B	SL	11/17/2011	11/18/2011	NA	11/21/2011
K2450-02B	SL	11/17/2011	11/18/2011	NA	11/21/2011
K2450-03B	SL	11/17/2011	11/18/2011	NA	11/21/2011
SW8260_MED_S					
K2450-01B	SL	11/17/2011	11/18/2011	11/28/2011	11/29/2011
SW8260_W					
K2450-03C	SL	11/17/2011	11/18/2011	NA	11/22/2011

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : 690 Saint Paul Street -- 208492 **SDG :** K2450

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8270_S					
K2450-01A	SL	11/17/2011	11/18/2011	11/20/2011	11/21/2011
K2450-02A	SL	11/17/2011	11/18/2011	11/20/2011	11/21/2011

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary GC*

Project Name : 690 Saint Paul Street -- 208492 **SDG :** K2450

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8081_S					
K2450-01A	SL	11/17/2011	11/18/2011	11/20/2011	11/21/2011
K2450-02A	SL	11/17/2011	11/18/2011	11/20/2011	11/21/2011
K2450-03A	SL	11/17/2011	11/18/2011	11/20/2011	11/21/2011
SW8082_S					
K2450-01A	SL	11/17/2011	11/18/2011	11/20/2011	11/21/2011
K2450-02A	SL	11/17/2011	11/18/2011	11/20/2011	11/21/2011
K2450-03A	SL	11/17/2011	11/18/2011	11/20/2011	11/21/2011

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSVOA

Project Name : 690 Saint Paul Street -- 208492 **SDG :** K2450

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
SW8260_LOW_S					
K2450-01B	SL	SW8260_LOW_S	NA	LOW	1
K2450-02B	SL	SW8260_LOW_S	NA	LOW	1
K2450-03B	SL	SW8260_LOW_S	NA	LOW	1
SW8260_MED_S					
K2450-01B	SL	SW8260_MED_S	SW5035_MED_PR	MED	1
SW8260_W					
K2450-03C	SL	SW8260_W	NA	LOW	1

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : 690 Saint Paul Street -- 208492 **SDG :** K2450

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
SW8270_S					
K2450-01A	SL	SW8270_S	3550B	NA	1
K2450-02A	SL	SW8270_S	3550B	NA	1

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary GC*

Project Name : 690 Saint Paul Street -- 208492 **SDG :** K2450

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
SW8081_S					
K2450-01A	SL	SW8081_S	3550B	Sulfur	1
K2450-02A	SL	SW8081_S	3550B	Sulfur	1
K2450-03A	SL	SW8081_S	3550B	Sulfur	1
SW8082_S					
K2450-01A	SL	SW8082_S	3550B	Acid/Sulfur	1
K2450-02A	SL	SW8082_S	3550B	Acid/Sulfur	1
K2450-03A	SL	SW8082_S	3550B	Acid/Sulfur	1

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

New York State Department of Environmental Conservation

Sample Preparation and Analysis Summary Toxicity Characteristic Leaching Procedure

Project Name : 690 Saint Paul Street -- 208492 **SDG :** K2450

Laboratory Sample ID	Matrix	Analytical Protocol	Date Collected	Date Received By Lab	Date Extracted
SW1311					
K2450-03C	SL	SW1311	11/17/2011	11/18/2011	11/21/2011

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

WorkOrder: K2450

Client ID: LABELLA
Project: 690 Saint Paul Street
WO Name: 690 Saint Paul Street
Location: LABELLA_ST_PAUL, 208492
Comments: email fax data to Evan Dumrese and Dan Noll. . no hard copy

Case:
SDG:
PO: 209280

HC Due: 12/02/11
Fax Due: 11/21/11
Fax Report: ☑

Report Level: ASP-B
Special Program:
EDD: ENVIRO_16
GISKEY

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
K2450-01A	AOC-1-CS-4	11/17/2011 15:00	11/18/2011	Soil	PMoist	/					A2
K2450-01A	AOC-1-CS-4	11/17/2011 15:00	11/18/2011	Soil	SW8081_S	/					A2
K2450-01A	AOC-1-CS-4	11/17/2011 15:00	11/18/2011	Soil	SW8082_S	/					A2
K2450-01A	AOC-1-CS-4	11/17/2011 15:00	11/18/2011	Soil	SW8270_S	/ TCL + STARS+TICS				Y	A2
K2450-01B	AOC-1-CS-4	11/17/2011 15:00	11/18/2011	Soil	SW8260_LOW_S	/ 2CVE+special+STARS_VOC+TICS				Y	VOA
K2450-01B	AOC-1-CS-4	11/17/2011 15:00	11/18/2011	Soil	SW8260_MED_S	/ 2CVE+special+STARS_VOC+TICS				Y	VOA
K2450-02A	AOC-1-CS-5	11/17/2011 15:10	11/18/2011	Soil	PMoist	/					A2
K2450-02A	AOC-1-CS-5	11/17/2011 15:10	11/18/2011	Soil	SW8081_S	/					A2
K2450-02A	AOC-1-CS-5	11/17/2011 15:10	11/18/2011	Soil	SW8082_S	/					A2
K2450-02A	AOC-1-CS-5	11/17/2011 15:10	11/18/2011	Soil	SW8270_S	/ TCL + STARS+TICS				Y	A2
K2450-02B	AOC-1-CS-5	11/17/2011 15:10	11/18/2011	Soil	SW8260_LOW_S	/ 2CVE+special+STARS_VOC+TICS				Y	VOA
K2450-02B	AOC-1-CS-5	11/17/2011 15:10	11/18/2011	Soil	SW8260_MED_S	/ 2CVE+special+STARS_VOC+TICS		Y		Y	VOA
K2450-03A	WCS-111711-1	11/17/2011 15:30	11/18/2011	Soil	PMoist	/					A2
K2450-03A	WCS-111711-1	11/17/2011 15:30	11/18/2011	Soil	SW8081_S	/					A2
K2450-03A	WCS-111711-1	11/17/2011 15:30	11/18/2011	Soil	SW8082_S	/					A2
K2450-03B	WCS-111711-1	11/17/2011 15:30	11/18/2011	Soil	SW8260_LOW_S	/ 2CVE+special+STARS_VOC+TICS				Y	VOA
K2450-03B	WCS-111711-1	11/17/2011 15:30	11/18/2011	Soil	SW8260_MED_S	/ 2CVE+special+STARS_VOC+TICS		Y		Y	VOA
K2450-03C	WCS-111711-1	11/17/2011 15:30	11/18/2011	Soil	SW8260_W	/ TCLP_VOA				Y	VOA

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

* Volatiles *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : LaBella Associates

Project: 690 Saint Paul Street

Laboratory Workorder / SDG #: K2450

SW846 8260C, VOC by GC-MS

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SW846 8260C.

IV. PREPARATION

Aqueous Samples were prepared following procedures in laboratory test code: SW5030.
Soil Samples were prepared following procedures in laboratory test code: SW5035.

V. INSTRUMENTATION

The following instrumentation was used:

Instrument Code: V1
Instrument Type: GCMS-VOA
Description: HP5890 II / HP5972
Manufacturer: Hewlett-Packard
Model: 5890 / 5972
GC Column used: 30 m X 0.25 mm ID [1.40 um thickness] DB-624 capillary column.

Instrument Code: V10
Instrument Type: GCMS-VOA
Description: HP7890A
Manufacturer: Agilent
Model: 7890A / 5975C
GC Column used: 30 m X 0.25 mm ID [1.40 um thickness] DB-624 capillary column.

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Surrogates:

Surrogate standard percent recoveries were within the QC limits.

D. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits with the following exceptions. Please note that most test procedures allow for several compounds outside of the QC limits for the LCS, although this may indicate a bias for this specific compound.

LCS-63270 in batch 63270, recovery is above criteria for 2-

Hexanone at 141% with criteria of (55-130) and o-Xylene at 121% with criteria of (80-120).

2. Matrix Spike / Matrix Spike Duplicate (MS/MSD):

No client-requested MS/MSD analyses were included in this SDG.

E. Internal Standards:

Internal standard peak areas were within the QC limits.

F. Dilutions:

No sample in this SDG required analysis at dilution.

G. Samples:

No other unusual occurrences were noted during sample analysis.

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

Signed:

Date: 12/13/11

Data Flag/Qualifiers:

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates an interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as aldol condensation byproducts.

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC-1-CS-4

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-01B

Sample wt/vol: 5.30 (g/mL) G Lab File ID: V1M4575.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/18/2011

% Moisture: not dec. 8.9 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	5.2	U
75-01-4	Vinyl chloride	5.2	U
74-83-9	Bromomethane	5.2	U
75-00-3	Chloroethane	5.2	U
75-69-4	Trichlorofluoromethane	5.2	U
75-35-4	1,1-Dichloroethene	5.2	U
67-64-1	Acetone	5.2	U
75-15-0	Carbon disulfide	5.2	U
75-09-2	Methylene chloride	5.2	U
156-60-5	trans-1,2-Dichloroethene	5.2	U
1634-04-4	Methyl tert-butyl ether	5.2	U
75-34-3	1,1-Dichloroethane	5.2	U
108-05-4	Vinyl acetate	5.2	U
78-93-3	2-Butanone	5.2	U
156-59-2	cis-1,2-Dichloroethene	68	
67-66-3	Chloroform	5.2	U
71-55-6	1,1,1-Trichloroethane	5.2	U
56-23-5	Carbon tetrachloride	5.2	U
107-06-2	1,2-Dichloroethane	5.2	U
71-43-2	Benzene	5.2	U
79-01-6	Trichloroethene	430	E
78-87-5	1,2-Dichloropropane	5.2	U
75-27-4	Bromodichloromethane	5.2	U
10061-01-5	cis-1,3-Dichloropropene	5.2	U
108-10-1	4-Methyl-2-pentanone	5.2	U
108-88-3	Toluene	4.0	BJ
10061-02-6	trans-1,3-Dichloropropene	5.2	U
79-00-5	1,1,2-Trichloroethane	5.2	U
127-18-4	Tetrachloroethene	5.2	U
591-78-6	2-Hexanone	5.2	U
124-48-1	Dibromochloromethane	5.2	U
108-90-7	Chlorobenzene	5.2	U
100-41-4	Ethylbenzene	5.2	U
1330-20-7	m,p-Xylene	5.2	U
95-47-6	o-Xylene	5.2	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC-1-CS-4

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-01B

Sample wt/vol: 5.30 (g/mL) G Lab File ID: V1M4575.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/18/2011

% Moisture: not dec. 8.9 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	5.2	U
100-42-5	Styrene	5.2	U
75-25-2	Bromoform	5.2	U
98-82-8	Isopropylbenzene	5.2	U
79-34-5	1,1,2,2-Tetrachloroethane	5.2	U
103-65-1	n-Propylbenzene	5.2	U
108-67-8	1,3,5-Trimethylbenzene	5.2	U
98-06-6	tert-Butylbenzene	5.2	U
95-63-6	1,2,4-Trimethylbenzene	5.2	U
135-98-8	sec-Butylbenzene	5.2	U
99-87-6	4-Isopropyltoluene	5.2	U
541-73-1	1,3-Dichlorobenzene	5.2	U
106-46-7	1,4-Dichlorobenzene	5.2	U
104-51-8	n-Butylbenzene	5.2	U
95-50-1	1,2-Dichlorobenzene	5.2	U
91-20-3	Naphthalene	5.2	U
110-75-8	2-Chloroethyl vinyl ether	5.2	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

AOC-1-CS-4

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-01B

Sample wt/vol: 5.30 (g/mL) G Lab File ID: V1M4575.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/18/2011

% Moisture: not dec. 8.9 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC-1-CS-4ME

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-01B

Sample wt/vol: 5.50 (g/mL) G Lab File ID: V8A8214.D

Level: (TRACE/LOW/MED) MED Date Received: 11/18/2011

% Moisture: not dec. 8.9 Date Analyzed: 11/29/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	270	U
75-01-4	Vinyl chloride	270	U
74-83-9	Bromomethane	270	U
75-00-3	Chloroethane	270	U
75-69-4	Trichlorofluoromethane	270	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	270	U
75-15-0	Carbon disulfide	270	U
75-09-2	Methylene chloride	270	U
156-60-5	trans-1,2-Dichloroethene	270	U
1634-04-4	Methyl tert-butyl ether	270	U
75-34-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl acetate	270	U
78-93-3	2-Butanone	270	U
156-59-2	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
71-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon tetrachloride	270	U
107-06-2	1,2-Dichloroethane	270	U
71-43-2	Benzene	270	U
79-01-6	Trichloroethene	2100	
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-pentanone	270	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	270	U
79-00-5	1,1,2-Trichloroethane	270	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	270	U
124-48-1	Dibromochloromethane	270	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	270	U
1330-20-7	m,p-Xylene	270	U
95-47-6	o-Xylene	270	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC-1-CS-4ME

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-01B

Sample wt/vol: 5.50 (g/mL) G Lab File ID: V8A8214.D

Level: (TRACE/LOW/MED) MED Date Received: 11/18/2011

% Moisture: not dec. 8.9 Date Analyzed: 11/29/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	270	U
100-42-5	Styrene	270	U
75-25-2	Bromoform	270	U
98-82-8	Isopropylbenzene	270	U
79-34-5	1,1,2,2-Tetrachloroethane	270	U
103-65-1	n-Propylbenzene	270	U
108-67-8	1,3,5-Trimethylbenzene	270	U
98-06-6	tert-Butylbenzene	270	U
95-63-6	1,2,4-Trimethylbenzene	270	U
135-98-8	sec-Butylbenzene	270	U
99-87-6	4-Isopropyltoluene	270	U
541-73-1	1,3-Dichlorobenzene	270	U
106-46-7	1,4-Dichlorobenzene	270	U
104-51-8	n-Butylbenzene	270	U
95-50-1	1,2-Dichlorobenzene	270	U
91-20-3	Naphthalene	270	U
110-75-8	2-Chloroethyl vinyl ether	270	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

AOC-1-CS-4ME

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-01B

Sample wt/vol: 5.50 (g/mL) G Lab File ID: V8A8214.D

Level: (TRACE or LOW/MED) MED Date Received: 11/18/2011

% Moisture: not dec. 8.9 Date Analyzed: 11/29/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC-1-CS-5

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-02B

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1M4576.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/18/2011

% Moisture: not dec. 7.3 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	5.4	U
75-01-4	Vinyl chloride	5.4	U
74-83-9	Bromomethane	5.4	U
75-00-3	Chloroethane	5.4	U
75-69-4	Trichlorofluoromethane	5.4	U
75-35-4	1,1-Dichloroethene	5.4	U
67-64-1	Acetone	5.4	U
75-15-0	Carbon disulfide	5.4	U
75-09-2	Methylene chloride	5.4	U
156-60-5	trans-1,2-Dichloroethene	5.4	U
1634-04-4	Methyl tert-butyl ether	5.4	U
75-34-3	1,1-Dichloroethane	5.4	U
108-05-4	Vinyl acetate	5.4	U
78-93-3	2-Butanone	5.4	U
156-59-2	cis-1,2-Dichloroethene	7.0	
67-66-3	Chloroform	5.4	U
71-55-6	1,1,1-Trichloroethane	5.4	U
56-23-5	Carbon tetrachloride	5.4	U
107-06-2	1,2-Dichloroethane	5.4	U
71-43-2	Benzene	5.4	U
79-01-6	Trichloroethene	5.0	J
78-87-5	1,2-Dichloropropane	5.4	U
75-27-4	Bromodichloromethane	5.4	U
10061-01-5	cis-1,3-Dichloropropene	5.4	U
108-10-1	4-Methyl-2-pentanone	5.4	U
108-88-3	Toluene	3.7	BJ
10061-02-6	trans-1,3-Dichloropropene	5.4	U
79-00-5	1,1,2-Trichloroethane	5.4	U
127-18-4	Tetrachloroethene	5.4	U
591-78-6	2-Hexanone	5.4	U
124-48-1	Dibromochloromethane	5.4	U
108-90-7	Chlorobenzene	5.4	U
100-41-4	Ethylbenzene	5.4	U
1330-20-7	m,p-Xylene	5.4	U
95-47-6	o-Xylene	5.4	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC-1-CS-5

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-02B

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1M4576.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/18/2011

% Moisture: not dec. 7.3 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	5.4	U
100-42-5	Styrene	5.4	U
75-25-2	Bromoform	5.4	U
98-82-8	Isopropylbenzene	5.4	U
79-34-5	1,1,2,2-Tetrachloroethane	5.4	U
103-65-1	n-Propylbenzene	5.4	U
108-67-8	1,3,5-Trimethylbenzene	5.4	U
98-06-6	tert-Butylbenzene	5.4	U
95-63-6	1,2,4-Trimethylbenzene	5.4	U
135-98-8	sec-Butylbenzene	5.4	U
99-87-6	4-Isopropyltoluene	5.4	U
541-73-1	1,3-Dichlorobenzene	5.4	U
106-46-7	1,4-Dichlorobenzene	5.4	U
104-51-8	n-Butylbenzene	5.4	U
95-50-1	1,2-Dichlorobenzene	5.4	U
91-20-3	Naphthalene	5.4	U
110-75-8	2-Chloroethyl vinyl ether	5.4	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

AOC-1-CS-5

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-02B

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1M4576.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/18/2011

% Moisture: not dec. 7.3 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	11.852	14	J

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WCS-111711-1

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-03B

Sample wt/vol: 4.70 (g/mL) G Lab File ID: V1M4577.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/18/2011

% Moisture: not dec. 9.4 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	5.9	U
75-01-4	Vinyl chloride	2.0	J
74-83-9	Bromomethane	5.9	U
75-00-3	Chloroethane	5.9	U
75-69-4	Trichlorofluoromethane	5.9	U
75-35-4	1,1-Dichloroethene	5.9	U
67-64-1	Acetone	14	
75-15-0	Carbon disulfide	5.9	U
75-09-2	Methylene chloride	5.9	U
156-60-5	trans-1,2-Dichloroethene	5.9	U
1634-04-4	Methyl tert-butyl ether	5.9	U
75-34-3	1,1-Dichloroethane	5.9	U
108-05-4	Vinyl acetate	5.9	U
78-93-3	2-Butanone	5.9	U
156-59-2	cis-1,2-Dichloroethene	57	
67-66-3	Chloroform	5.9	U
71-55-6	1,1,1-Trichloroethane	5.9	U
56-23-5	Carbon tetrachloride	5.9	U
107-06-2	1,2-Dichloroethane	5.9	U
71-43-2	Benzene	5.9	U
79-01-6	Trichloroethene	130	
78-87-5	1,2-Dichloropropane	5.9	U
75-27-4	Bromodichloromethane	5.9	U
10061-01-5	cis-1,3-Dichloropropene	5.9	U
108-10-1	4-Methyl-2-pentanone	5.9	U
108-88-3	Toluene	5.2	BJ
10061-02-6	trans-1,3-Dichloropropene	5.9	U
79-00-5	1,1,2-Trichloroethane	5.9	U
127-18-4	Tetrachloroethene	5.9	U
591-78-6	2-Hexanone	5.9	U
124-48-1	Dibromochloromethane	5.9	U
108-90-7	Chlorobenzene	5.9	U
100-41-4	Ethylbenzene	1.7	J
1330-20-7	m,p-Xylene	5.5	J
95-47-6	o-Xylene	4.4	J

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WCS-111711-1

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-03B

Sample wt/vol: 4.70 (g/mL) G Lab File ID: V1M4577.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/18/2011

% Moisture: not dec. 9.4 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	9.9	
100-42-5	Styrene	5.9	U
75-25-2	Bromoform	5.9	U
98-82-8	Isopropylbenzene	5.9	U
79-34-5	1,1,2,2-Tetrachloroethane	5.9	U
103-65-1	n-Propylbenzene	5.9	U
108-67-8	1,3,5-Trimethylbenzene	5.9	U
98-06-6	tert-Butylbenzene	5.9	U
95-63-6	1,2,4-Trimethylbenzene	5.9	U
135-98-8	sec-Butylbenzene	5.9	U
99-87-6	4-Isopropyltoluene	5.9	U
541-73-1	1,3-Dichlorobenzene	5.9	U
106-46-7	1,4-Dichlorobenzene	5.9	U
104-51-8	n-Butylbenzene	5.9	U
95-50-1	1,2-Dichlorobenzene	5.9	U
91-20-3	Naphthalene	2.0	J
110-75-8	2-Chloroethyl vinyl ether	5.9	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

WCS-111711-1

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-03B

Sample wt/vol: 4.70 (g/mL) G Lab File ID: V1M4577.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/18/2011

% Moisture: not dec. 9.4 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WCS-111711-1

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: K2450-03C

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8A8002.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/18/2011

% Moisture: not dec. Date Analyzed: 11/22/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl chloride	0.89	J
75-35-4	1,1-Dichloroethene	5.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	31	
127-18-4	Tetrachloroethene	5.0	U
108-90-7	Chlorobenzene	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

WCS-111711-1

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: K2450-03C

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8A8002.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/18/2011

% Moisture: not dec. Date Analyzed: 11/22/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MB-63220

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-63220

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1M4565.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. 0.0 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.1	J
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MB-63220

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-63220

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1M4565.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. 0.0 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U
110-75-8	2-Chloroethyl vinyl ether	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MB-63220

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-63220

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1M4565.D

Level: (TRACE or LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MB-63242

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-63242

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8A8000.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 11/22/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl chloride	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-90-7	Chlorobenzene	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MB-63242

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-63242

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8A8000.D

Level: (TRACE or LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 11/22/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MB-63270

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-63270

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8A7989.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 11/22/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl chloride	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-90-7	Chlorobenzene	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MB-63270

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-63270

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8A7989.D

Level: (TRACE or LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 11/22/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MB-63323

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-63323

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V8A8196.D

Level: (TRACE/LOW/MED) MED Date Received:

% Moisture: not dec. 0.0 Date Analyzed: 11/28/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	250	U
75-01-4	Vinyl chloride	250	U
74-83-9	Bromomethane	250	U
75-00-3	Chloroethane	250	U
75-69-4	Trichlorofluoromethane	250	U
75-35-4	1,1-Dichloroethene	250	U
67-64-1	Acetone	250	U
75-15-0	Carbon disulfide	250	U
75-09-2	Methylene chloride	250	U
156-60-5	trans-1,2-Dichloroethene	250	U
1634-04-4	Methyl tert-butyl ether	250	U
75-34-3	1,1-Dichloroethane	250	U
108-05-4	Vinyl acetate	250	U
78-93-3	2-Butanone	250	U
156-59-2	cis-1,2-Dichloroethene	250	U
67-66-3	Chloroform	250	U
71-55-6	1,1,1-Trichloroethane	250	U
56-23-5	Carbon tetrachloride	250	U
107-06-2	1,2-Dichloroethane	250	U
71-43-2	Benzene	250	U
79-01-6	Trichloroethene	250	U
78-87-5	1,2-Dichloropropane	250	U
75-27-4	Bromodichloromethane	250	U
10061-01-5	cis-1,3-Dichloropropene	250	U
108-10-1	4-Methyl-2-pentanone	250	U
108-88-3	Toluene	250	U
10061-02-6	trans-1,3-Dichloropropene	250	U
79-00-5	1,1,2-Trichloroethane	250	U
127-18-4	Tetrachloroethene	250	U
591-78-6	2-Hexanone	250	U
124-48-1	Dibromochloromethane	250	U
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	250	U
1330-20-7	m,p-Xylene	250	U
95-47-6	o-Xylene	250	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MB-63323

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-63323

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V8A8196.D

Level: (TRACE/LOW/MED) MED Date Received:

% Moisture: not dec. 0.0 Date Analyzed: 11/28/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	250	U
100-42-5	Styrene	250	U
75-25-2	Bromoform	250	U
98-82-8	Isopropylbenzene	250	U
79-34-5	1,1,2,2-Tetrachloroethane	250	U
103-65-1	n-Propylbenzene	250	U
108-67-8	1,3,5-Trimethylbenzene	250	U
98-06-6	tert-Butylbenzene	250	U
95-63-6	1,2,4-Trimethylbenzene	250	U
135-98-8	sec-Butylbenzene	250	U
99-87-6	4-Isopropyltoluene	250	U
541-73-1	1,3-Dichlorobenzene	250	U
106-46-7	1,4-Dichlorobenzene	250	U
104-51-8	n-Butylbenzene	250	U
95-50-1	1,2-Dichlorobenzene	250	U
91-20-3	Naphthalene	250	U
110-75-8	2-Chloroethyl vinyl ether	250	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MB-63323

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-63323

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V8A8196.D

Level: (TRACE or LOW/MED) MED Date Received:

% Moisture: not dec. Date Analyzed: 11/28/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-63220

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-63220

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1M4563.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. 0.0 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	54	
75-01-4	Vinyl chloride	52	
74-83-9	Bromomethane	56	
75-00-3	Chloroethane	51	
75-69-4	Trichlorofluoromethane	52	
75-35-4	1,1-Dichloroethene	56	
67-64-1	Acetone	76	
75-15-0	Carbon disulfide	51	
75-09-2	Methylene chloride	47	
156-60-5	trans-1,2-Dichloroethene	49	
1634-04-4	Methyl tert-butyl ether	40	
75-34-3	1,1-Dichloroethane	52	
108-05-4	Vinyl acetate	49	
78-93-3	2-Butanone	53	
156-59-2	cis-1,2-Dichloroethene	49	
67-66-3	Chloroform	51	
71-55-6	1,1,1-Trichloroethane	51	
56-23-5	Carbon tetrachloride	52	
107-06-2	1,2-Dichloroethane	52	
71-43-2	Benzene	51	
79-01-6	Trichloroethene	52	
78-87-5	1,2-Dichloropropane	50	
75-27-4	Bromodichloromethane	51	
10061-01-5	cis-1,3-Dichloropropene	54	
108-10-1	4-Methyl-2-pentanone	48	
108-88-3	Toluene	47	B
10061-02-6	trans-1,3-Dichloropropene	54	
79-00-5	1,1,2-Trichloroethane	49	
127-18-4	Tetrachloroethene	43	
591-78-6	2-Hexanone	54	
124-48-1	Dibromochloromethane	52	
108-90-7	Chlorobenzene	53	
100-41-4	Ethylbenzene	52	
1330-20-7	m,p-Xylene	100	
95-47-6	o-Xylene	53	

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-63220

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-63220

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1M4563.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. 0.0 Date Analyzed: 11/21/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	160	
100-42-5	Styrene	53	
75-25-2	Bromoform	54	
98-82-8	Isopropylbenzene	54	
79-34-5	1,1,2,2-Tetrachloroethane	45	
103-65-1	n-Propylbenzene	50	
108-67-8	1,3,5-Trimethylbenzene	50	
98-06-6	tert-Butylbenzene	49	
95-63-6	1,2,4-Trimethylbenzene	49	
135-98-8	sec-Butylbenzene	50	
99-87-6	4-Isopropyltoluene	52	
541-73-1	1,3-Dichlorobenzene	50	
106-46-7	1,4-Dichlorobenzene	52	
104-51-8	n-Butylbenzene	53	
95-50-1	1,2-Dichlorobenzene	51	
91-20-3	Naphthalene	49	
110-75-8	2-Chloroethyl vinyl ether	47	

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-63270

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-63270

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8A7985.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 11/22/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl chloride	47	
75-35-4	1,1-Dichloroethene	47	
78-93-3	2-Butanone	63	
67-66-3	Chloroform	44	
56-23-5	Carbon tetrachloride	44	
107-06-2	1,2-Dichloroethane	44	
71-43-2	Benzene	47	
79-01-6	Trichloroethene	48	
127-18-4	Tetrachloroethene	52	
108-90-7	Chlorobenzene	51	

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-63323

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-63323

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V8A8194.D

Level: (TRACE/LOW/MED) MED Date Received:

% Moisture: not dec. 0.0 Date Analyzed: 11/28/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	2100	
75-01-4	Vinyl chloride	2400	
74-83-9	Bromomethane	2000	
75-00-3	Chloroethane	2500	
75-69-4	Trichlorofluoromethane	2600	
75-35-4	1,1-Dichloroethene	2500	
67-64-1	Acetone	2000	
75-15-0	Carbon disulfide	2300	
75-09-2	Methylene chloride	2400	
156-60-5	trans-1,2-Dichloroethene	2400	
1634-04-4	Methyl tert-butyl ether	2500	
75-34-3	1,1-Dichloroethane	2400	
108-05-4	Vinyl acetate	2500	
78-93-3	2-Butanone	2200	
156-59-2	cis-1,2-Dichloroethene	2400	
67-66-3	Chloroform	2400	
71-55-6	1,1,1-Trichloroethane	2500	
56-23-5	Carbon tetrachloride	2600	
107-06-2	1,2-Dichloroethane	2600	
71-43-2	Benzene	2400	
79-01-6	Trichloroethene	2300	
78-87-5	1,2-Dichloropropane	2500	
75-27-4	Bromodichloromethane	2500	
10061-01-5	cis-1,3-Dichloropropene	2500	
108-10-1	4-Methyl-2-pentanone	2600	
108-88-3	Toluene	2400	
10061-02-6	trans-1,3-Dichloropropene	2600	
79-00-5	1,1,2-Trichloroethane	2500	
127-18-4	Tetrachloroethene	2500	
591-78-6	2-Hexanone	2100	
124-48-1	Dibromochloromethane	2400	
108-90-7	Chlorobenzene	2300	
100-41-4	Ethylbenzene	2500	
1330-20-7	m,p-Xylene	5200	
95-47-6	o-Xylene	2600	

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-63323

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-63323

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V8A8194.D

Level: (TRACE/LOW/MED) MED Date Received:

% Moisture: not dec. 0.0 Date Analyzed: 11/28/2011

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	7700	
100-42-5	Styrene	2500	
75-25-2	Bromoform	2500	
98-82-8	Isopropylbenzene	2300	
79-34-5	1,1,2,2-Tetrachloroethane	2200	
103-65-1	n-Propylbenzene	2500	
108-67-8	1,3,5-Trimethylbenzene	2500	
98-06-6	tert-Butylbenzene	2500	
95-63-6	1,2,4-Trimethylbenzene	2700	
135-98-8	sec-Butylbenzene	2600	
99-87-6	4-Isopropyltoluene	2700	
541-73-1	1,3-Dichlorobenzene	2300	
106-46-7	1,4-Dichlorobenzene	2200	
104-51-8	n-Butylbenzene	2600	
95-50-1	1,2-Dichlorobenzene	2300	
91-20-3	Naphthalene	2200	
110-75-8	2-Chloroethyl vinyl ether	2400	

2B - FORM II VOA-2

WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Level: (TRACE or LOW) LOW

	CLIENT SAMPLE NO.	VDMC1 (DBFM) #	VDMC2 (DCE) #	VDMC3 (TOL) #	VDMC4 (BFB) #				TOT OUT
01	LCS-63270	94	99	106	96				0
02	MB-63270	100	99	106	87				0
03	MB-63242	95	93	104	81				0
04	WCS-111711-1	98	95	102	81				0

		QC LIMITS
VDMC1	(DBFM) Dibromofluoromethane	(85-115)
VDMC2	(DCE) = 1,2-Dichloroethane-d4	(70-120)
VDMC3	(TOL) = Toluene-d8	(85-120)
VDMC4	(BFB) = Bromofluorobenzene	(75-120)

Column to be used to flag recovery values

* Values outside of contract required QC limits

som111.10.27.A

2D - FORM II VOA-4

SOIL VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Level: (LOW/MED) LOW

	CLIENT SAMPLE NO.	VDMC1 (DBFM) #	VDMC2 (DCE) #	VDMC3 (TOL) #	VDMC4 (BFB) #				TOT OUT
01	LCS-63220	106	103	99	106				0
02	MB-63220	102	104	102	99				0
03	AOC-1-CS-4	107	101	109	89				0
04	AOC-1-CS-5	107	105	102	97				0
05	WCS-111711-1	107	104	101	97				0

		QC LIMITS
VDMC1	(DBFM) Dibromofluoromethane	(65-132)
VDMC2	(DCE) = 1,2-Dichloroethane-d4	(65-128)
VDMC3	(TOL) = Toluene-d8	(85-115)
VDMC4	(BFB) = Bromofluorobenzene	(77-111)

Column to be used to flag recovery values

* Values outside of contract required QC limits

som111.10.27.A

2D - FORM II VOA-4

SOIL VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Level: (LOW/MED) MED

	CLIENT SAMPLE NO.	VDMC1 (DBFM) #	VDMC2 (DCE) #	VDMC3 (TOL) #	VDMC4 (BFB) #				TOT OUT
01	LCS-63323	103	102	97	99				0
02	MB-63323	110	107	101	87				0
03	AOC-1-CS-4ME	115	110	98	90				0

		QC LIMITS
VDMC1	(DBFM) Dibromofluoromethane	(65-132)
VDMC2	(DCE) = 1,2-Dichloroethane-d4	(65-128)
VDMC3	(TOL) = Toluene-d8	(85-115)
VDMC4	(BFB) = Bromofluorobenzene	(77-111)

Column to be used to flag recovery values

* Values outside of contract required QC limits

som111.10.27.A

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
LCS-63220

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Lab Sample ID: LCS-63220 LCS Lot No.:

Date Extracted: 11/21/2011 Date Analyzed (1): 11/21/2011

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Chloromethane	50.0000	0.0000	53.5921	107		50 - 130
Vinyl chloride	50.0000	0.0000	52.1703	104		60 - 125
Bromomethane	50.0000	0.0000	55.7761	112		30 - 160
Chloroethane	50.0000	0.0000	51.2776	103		40 - 155
Trichlorofluoromethane	50.0000	0.0000	51.6307	103		25 - 185
1,1-Dichloroethene	50.0000	0.0000	55.9942	112		65 - 135
Acetone	50.0000	0.0000	75.6539	151		20 - 160
Carbon disulfide	50.0000	0.0000	50.7641	102		45 - 160
Methylene chloride	50.0000	0.0000	46.5281	93		55 - 140
trans-1,2-Dichloroethene	50.0000	0.0000	48.6761	97		65 - 135
Methyl tert-butyl ether	50.0000	0.0000	40.3528	81		75 - 126
1,1-Dichloroethane	50.0000	0.0000	51.8689	104		75 - 125
Vinyl acetate	50.0000	0.0000	48.6289	97		65 - 138
2-Butanone	50.0000	0.0000	52.6350	105		30 - 160
cis-1,2-Dichloroethene	50.0000	0.0000	49.1836	98		65 - 125
Chloroform	50.0000	0.0000	50.8826	102		70 - 125
1,1,1-Trichloroethane	50.0000	0.0000	50.6199	101		70 - 135
Carbon tetrachloride	50.0000	0.0000	52.3545	105		65 - 135
1,2-Dichloroethane	50.0000	0.0000	51.6976	103		70 - 135
Benzene	50.0000	0.0000	50.9375	102		75 - 125
Trichloroethene	50.0000	0.0000	52.1346	104		75 - 125
1,2-Dichloropropane	50.0000	0.0000	50.2304	100		70 - 120
Bromodichloromethane	50.0000	0.0000	50.7726	102		70 - 130
cis-1,3-Dichloropropene	50.0000	0.0000	53.5099	107		70 - 125
4-Methyl-2-pentanone	50.0000	0.0000	48.0876	96		45 - 145
Toluene	50.0000	0.0000	46.8419	94		70 - 125
trans-1,3-Dichloropropene	50.0000	0.0000	53.7479	107		65 - 125
1,1,2-Trichloroethane	50.0000	0.0000	49.1317	98		60 - 125
Tetrachloroethene	50.0000	0.0000	43.4362	87		65 - 140
2-Hexanone	50.0000	0.0000	54.4074	109		45 - 145
Dibromochloromethane	50.0000	0.0000	52.0604	104		65 - 130
Chlorobenzene	50.0000	0.0000	52.8681	106		75 - 125
Ethylbenzene	50.0000	0.0000	52.4884	105		75 - 125
m,p-Xylene	100.0000	0.0000	104.7291	105		80 - 125
o-Xylene	50.0000	0.0000	52.9637	106		75 - 125
Xylene (Total)	150.0000	0.0000	157.6928	105		83 - 125
Styrene	50.0000	0.0000	53.4304	107		75 - 125
Bromoform	50.0000	0.0000	53.8241	108		55 - 135
Isopropylbenzene	50.0000	0.0000	54.2448	108		75 - 130
1,1,2,2-Tetrachloroethane	50.0000	0.0000	44.5376	89		55 - 130
n-Propylbenzene	50.0000	0.0000	50.3353	101		65 - 135
1,3,5-Trimethylbenzene	50.0000	0.0000	49.5293	99		65 - 135
tert-Butylbenzene	50.0000	0.0000	49.3991	99		65 - 130
1,2,4-Trimethylbenzene	50.0000	0.0000	49.4386	99		65 - 135

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
LCS-63220

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Lab Sample ID: LCS-63220 LCS Lot No.:

Date Extracted: 11/21/2011 Date Analyzed (1): 11/21/2011

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
sec-Butylbenzene	50.0000	0.0000	49.8463	100		65 - 130
4-Isopropyltoluene	50.0000	0.0000	52.3700	105		75 - 135
1,3-Dichlorobenzene	50.0000	0.0000	50.4503	101		70 - 125
1,4-Dichlorobenzene	50.0000	0.0000	52.3862	105		70 - 125
n-Butylbenzene	50.0000	0.0000	53.3832	107		65 - 140
1,2-Dichlorobenzene	50.0000	0.0000	50.5739	101		75 - 120
Naphthalene	50.0000	0.0000	49.1827	98		40 - 125
2-Chloroethyl vinyl ether	50.0000	0.0000	46.6357	93		70 - 130

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

* Values outside of QC limits

Spike Recovery: 0 out of 52 outside limits

COMMENTS:

3 - FORM III

WATER LABORATORY CONTROL

SAMPLE RECOVERY

CLIENT SAMPLE NO.

LCS-63270

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Lab Sample ID: LCS-63270 LCS Lot No.:

Date Extracted: 11/22/2011 Date Analyzed (1): 11/22/2011

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Chloromethane	50.0000	0.0000	42.9214	86		40 - 125
Vinyl chloride	50.0000	0.0000	46.9532	94		50 - 145
Bromomethane	50.0000	0.0000	32.3220	65		30 - 145
Chloroethane	50.0000	0.0000	42.0497	84		60 - 135
Trichlorofluoromethane	50.0000	0.0000	41.9099	84		60 - 145
1,1-Dichloroethene	50.0000	0.0000	46.7947	94		70 - 130
Acetone	50.0000	0.0000	61.8222	124		40 - 140
Carbon disulfide	50.0000	0.0000	50.3293	101		35 - 160
Methylene chloride	50.0000	0.0000	45.5505	91		55 - 140
trans-1,2-Dichloroethene	50.0000	0.0000	45.4188	91		60 - 140
Methyl tert-butyl ether	50.0000	0.0000	52.3589	105		65 - 125
1,1-Dichloroethane	50.0000	0.0000	46.0134	92		70 - 135
Vinyl acetate	50.0000	0.0000	52.6633	105		38 - 163
2-Butanone	50.0000	0.0000	63.2772	127		30 - 150
cis-1,2-Dichloroethene	50.0000	0.0000	47.9649	96		70 - 125
Chloroform	50.0000	0.0000	43.5703	87		65 - 135
1,1,1-Trichloroethane	50.0000	0.0000	42.7546	86		65 - 130
Carbon tetrachloride	50.0000	0.0000	43.9970	88		65 - 140
1,2-Dichloroethane	50.0000	0.0000	44.0103	88		70 - 130
Benzene	50.0000	0.0000	47.3592	95		80 - 120
Trichloroethene	50.0000	0.0000	48.4399	97		70 - 125
1,2-Dichloropropane	50.0000	0.0000	47.8816	96		75 - 125
Bromodichloromethane	50.0000	0.0000	45.6705	91		75 - 120
cis-1,3-Dichloropropene	50.0000	0.0000	51.7551	104		70 - 130
4-Methyl-2-pentanone	50.0000	0.0000	57.9595	116		60 - 135
Toluene	50.0000	0.0000	48.8592	98		75 - 120
trans-1,3-Dichloropropene	50.0000	0.0000	51.0027	102		55 - 140
1,1,2-Trichloroethane	50.0000	0.0000	48.3693	97		75 - 125
Tetrachloroethene	50.0000	0.0000	52.4386	105		45 - 150
2-Hexanone	50.0000	0.0000	70.3624	141	*	55 - 130
Dibromochloromethane	50.0000	0.0000	51.2798	103		60 - 135
Chlorobenzene	50.0000	0.0000	51.3080	103		80 - 120
Ethylbenzene	50.0000	0.0000	57.6710	115		75 - 125
m,p-Xylene	100.0000	0.0000	118.7077	119		75 - 130
o-Xylene	50.0000	0.0000	60.6093	121	*	80 - 120
Xylene (Total)	150.0000	0.0000	179.3171	120		81 - 121
Styrene	50.0000	0.0000	57.5260	115		65 - 135
Bromoform	50.0000	0.0000	52.4447	105		70 - 130
Isopropylbenzene	50.0000	0.0000	60.6176	121		75 - 125
1,1,2,2-Tetrachloroethane	50.0000	0.0000	60.6156	121		65 - 130
n-Propylbenzene	50.0000	0.0000	60.5738	121		70 - 130
1,3,5-Trimethylbenzene	50.0000	0.0000	58.1708	116		75 - 130
tert-Butylbenzene	50.0000	0.0000	57.5311	115		70 - 130
1,2,4-Trimethylbenzene	50.0000	0.0000	61.2560	123		75 - 130

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
LCS-63270

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Lab Sample ID: LCS-63270 LCS Lot No.:

Date Extracted: 11/22/2011 Date Analyzed (1): 11/22/2011

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
sec-Butylbenzene	50.0000	0.0000	61.4789	123		70 - 125
4-Isopropyltoluene	50.0000	0.0000	63.9358	128		75 - 130
1,3-Dichlorobenzene	50.0000	0.0000	54.1504	108		75 - 125
1,4-Dichlorobenzene	50.0000	0.0000	59.3214	119		75 - 125
n-Butylbenzene	50.0000	0.0000	64.5493	129		70 - 135
1,2-Dichlorobenzene	50.0000	0.0000	52.5947	105		70 - 120
Naphthalene	50.0000	0.0000	69.4984	139		55 - 140

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

* Values outside of QC limits

Spike Recovery: 2 out of 51 outside limits

COMMENTS:

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
LCS-63323

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Lab Sample ID: LCS-63323 LCS Lot No.:

Date Extracted: 11/28/2011 Date Analyzed (1): 11/28/2011

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Chloromethane	2500.0000	0.0000	2060.8707	82		50 - 130
Vinyl chloride	2500.0000	0.0000	2421.4455	97		60 - 125
Bromomethane	2500.0000	0.0000	1957.2314	78		30 - 160
Chloroethane	2500.0000	0.0000	2491.2149	100		40 - 155
Trichlorofluoromethane	2500.0000	0.0000	2560.7011	102		25 - 185
1,1-Dichloroethene	2500.0000	0.0000	2476.5340	99		65 - 135
Acetone	2500.0000	0.0000	1971.4570	79		20 - 160
Carbon disulfide	2500.0000	0.0000	2317.1997	93		45 - 160
Methylene chloride	2500.0000	0.0000	2405.5435	96		55 - 140
trans-1,2-Dichloroethene	2500.0000	0.0000	2376.9352	95		65 - 135
Methyl tert-butyl ether	2500.0000	0.0000	2546.6823	102		75 - 126
1,1-Dichloroethane	2500.0000	0.0000	2436.2124	97		75 - 125
Vinyl acetate	2500.0000	0.0000	2522.3844	101		65 - 138
2-Butanone	2500.0000	0.0000	2193.1604	88		30 - 160
cis-1,2-Dichloroethene	2500.0000	0.0000	2435.6174	97		65 - 125
Chloroform	2500.0000	0.0000	2371.3229	95		70 - 125
1,1,1-Trichloroethane	2500.0000	0.0000	2476.6437	99		70 - 135
Carbon tetrachloride	2500.0000	0.0000	2555.6676	102		65 - 135
1,2-Dichloroethane	2500.0000	0.0000	2557.3280	102		70 - 135
Benzene	2500.0000	0.0000	2434.2827	97		75 - 125
Trichloroethene	2500.0000	0.0000	2324.8345	93		75 - 125
1,2-Dichloropropane	2500.0000	0.0000	2488.7037	100		70 - 120
Bromodichloromethane	2500.0000	0.0000	2546.5885	102		70 - 130
cis-1,3-Dichloropropene	2500.0000	0.0000	2504.5100	100		70 - 125
4-Methyl-2-pentanone	2500.0000	0.0000	2575.7094	103		45 - 145
Toluene	2500.0000	0.0000	2373.8322	95		70 - 125
trans-1,3-Dichloropropene	2500.0000	0.0000	2576.5983	103		65 - 125
1,1,2-Trichloroethane	2500.0000	0.0000	2497.8744	100		60 - 125
Tetrachloroethene	2500.0000	0.0000	2474.3766	99		65 - 140
2-Hexanone	2500.0000	0.0000	2135.7400	85		45 - 145
Dibromochloromethane	2500.0000	0.0000	2414.9189	97		65 - 130
Chlorobenzene	2500.0000	0.0000	2288.8332	92		75 - 125
Ethylbenzene	2500.0000	0.0000	2479.1278	99		75 - 125
m,p-Xylene	5000.0000	0.0000	5156.3340	103		80 - 125
o-Xylene	2500.0000	0.0000	2562.0393	102		75 - 125
Xylene (Total)	7500.0000	0.0000	7718.3733	103		75 - 125
Styrene	2500.0000	0.0000	2535.3468	101		75 - 125
Bromoform	2500.0000	0.0000	2474.2884	99		55 - 135
Isopropylbenzene	2500.0000	0.0000	2317.6720	93		75 - 130
1,1,2,2-Tetrachloroethane	2500.0000	0.0000	2188.1345	88		55 - 130
n-Propylbenzene	2500.0000	0.0000	2542.5367	102		65 - 135
1,3,5-Trimethylbenzene	2500.0000	0.0000	2519.2175	101		65 - 135
tert-Butylbenzene	2500.0000	0.0000	2476.9101	99		65 - 130
1,2,4-Trimethylbenzene	2500.0000	0.0000	2663.6335	107		65 - 135

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
LCS-63323

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Lab Sample ID: LCS-63323 LCS Lot No.:

Date Extracted: 11/28/2011 Date Analyzed (1): 11/28/2011

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
sec-Butylbenzene	2500.0000	0.0000	2585.5320	103		65 - 130
4-Isopropyltoluene	2500.0000	0.0000	2695.5290	108		75 - 135
1,3-Dichlorobenzene	2500.0000	0.0000	2275.1773	91		70 - 125
1,4-Dichlorobenzene	2500.0000	0.0000	2215.3697	89		70 - 125
n-Butylbenzene	2500.0000	0.0000	2587.4155	103		65 - 140
1,2-Dichlorobenzene	2500.0000	0.0000	2348.2248	94		75 - 120
Naphthalene	2500.0000	0.0000	2210.5576	88		40 - 125
2-Chloroethyl vinyl ether	2500.0000	0.0000	2387.8039	96		70 - 130

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

* Values outside of QC limits

Spike Recovery: 0 out of 52 outside limits

COMMENTS:

4A - FORM IV VOA

VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MB-63220

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Lab File ID: V1M4565.D Lab Sample ID: MB-63220

Instrument ID: V1

Matrix: (SOIL/SED/WATER) SOIL Date Analyzed: 11/21/2011

Level: (TRACE or LOW/MED) LOW Time Analyzed: 10:10

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS-63220	LCS-63220	V1M4563.D	8:40
02	AOC-1-CS-4	K2450-01B	V1M4575.D	14:50
03	AOC-1-CS-5	K2450-02B	V1M4576.D	15:17
04	WCS-111711-1	K2450-03B	V1M4577.D	15:44

COMMENTS:

4A - FORM IV VOA

VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MB-63270

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Lab File ID: V8A7989.D Lab Sample ID: MB-63270

Instrument ID: V10

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 11/22/2011

Level: (TRACE or LOW/MED) LOW Time Analyzed: 15:51

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS-63270	LCS-63270	V8A7985.D	14:03
02	MB-63242	MB-63242	V8A8000.D	20:24
03	WCS-111711-1	K2450-03C	V8A8002.D	21:14

COMMENTS:

4A - FORM IV VOA

VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MB-63323

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Lab File ID: V8A8196.D Lab Sample ID: MB-63323

Instrument ID: V10

Matrix: (SOIL/SED/WATER) SOIL Date Analyzed: 11/28/2011

Level: (TRACE or LOW/MED) MED Time Analyzed: 22:40

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS-63323	LCS-63323	V8A8194.D	21:51
02	AOC-1-CS-4ME	K2450-01B	V8A8214.D	6:08

COMMENTS:

som111.10.27.A

8A - FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

GC Column: DB-624 ID: 0.25 (mm) Init. Calib. Date(s): 11/16/2011 11/16/2011

EPA Sample No.(VSTD#####): VSTD0501H Date Analyzed: 11/21/2011

Lab File ID (Standard): V1M4562.D Time Analyzed: 7:57

Instrument ID: V1 Heated Purge: (Y/N) Y

		IS1 (S1) AREA	#	RT	#	IS2 (S2) AREA	#	RT	#	IS3 (S3) AREA	#	RT	#
	12 HOUR STD	554363		6.399		420462		10.093		214274		12.929	
	UPPER LIMIT	1108726		6.899		840924		10.593		428548		13.429	
	LOWER LIMIT	277182		5.899		210231		9.593		107137		12.429	
	SAMPLE NO.												
01	LCS-63220	516356		6.402		391951		10.086		211242		12.932	
02	MB-63220	547718		6.400		397816		10.084		183275		12.930	
03	AOC-1-CS-4	518607		6.411		354237		10.095		125409		12.931	
04	AOC-1-CS-5	511810		6.415		382789		10.089		178230		12.926	
05	WCS-111711-1	515487		6.400		389768		10.094		182211		12.930	

IS1 () = Fluorobenzene
IS2 () = Chlorobenzene-d5
IS3 () = 1,4-Dichlorobenzene-d4
AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area
AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area
RT UPPER LIMIT = +0.50 (Low-Medium Volatiles) and +0.33 (Trace Volatiles) minutes of internal standard RT
RT LOWER LIMIT = -0.50 (Low-Medium Volatiles) and -0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8A - FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

GC Column: DB-624 ID: 0.25 (mm) Init. Calib. Date(s): 11/17/2011 11/17/2011

EPA Sample No.(VSTD#####): VSTD05010M Date Analyzed: 11/22/2011

Lab File ID (Standard): V8A7984.D Time Analyzed: 13:28

Instrument ID: V10 Heated Purge: (Y/N) N

		IS1 (S1) AREA	#	RT	#	IS2 (S2) AREA	#	RT	#	IS3 (S3) AREA	#	RT	#
	12 HOUR STD	330522		5.301		279900		8.291		150825		10.783	
	UPPER LIMIT	661044		5.801		559800		8.791		301650		11.283	
	LOWER LIMIT	165261		4.801		139950		7.791		75413		10.283	
	SAMPLE NO.												
01	LCS-63270	323303		5.300		275673		8.287		148184		10.783	
02	MB-63270	274003		5.304		220606		8.287		93669		10.783	
03	MB-63242	253383		5.304		207138		8.291		85311		10.786	
04	WCS-111711-1	245500		5.304		206415		8.291		86372		10.783	

IS1 () = Fluorobenzene
IS2 () = Chlorobenzene-d5
IS3 () = 1,4-Dichlorobenzene-d4
AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area
AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area
RT UPPER LIMIT = +0.50 (Low-Medium Volatiles) and +0.33 (Trace Volatiles) minutes of internal standard RT
RT LOWER LIMIT = -0.50 (Low-Medium Volatiles) and -0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8A - FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

GC Column: DB-624 ID: 0.25 (mm) Init. Calib. Date(s): 11/26/2011 11/26/2011

EPA Sample No.(VSTD#####): VSTD05010T Date Analyzed: 11/28/2011

Lab File ID (Standard): V8A8192.D Time Analyzed: 21:01

Instrument ID: V10 Heated Purge: (Y/N) N

		IS1 (S1) AREA	#	RT	#	IS2 (S2) AREA	#	RT	#	IS3 (S3) AREA	#	RT	#
	12 HOUR STD	243431		5.304		206799		8.291		113601		10.783	
	UPPER LIMIT	486862		5.804		413598		8.791		227202		11.283	
	LOWER LIMIT	121716		4.804		103400		7.791		56801		10.283	
	SAMPLE NO.												
01	LCS-63323	244330		5.304		205203		8.291		113700		10.783	
02	MB-63323	217420		5.304		168841		8.291		71548		10.783	
03	AOC-1-CS-4ME	179504		5.301		146590		8.294		63266		10.786	

IS1 () = Fluorobenzene
IS2 () = Chlorobenzene-d5
IS3 () = 1,4-Dichlorobenzene-d4
AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area
AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area
RT UPPER LIMIT = +0.50 (Low-Medium Volatiles) and +0.33 (Trace Volatiles) minutes of internal standard RT
RT LOWER LIMIT = -0.50 (Low-Medium Volatiles) and -0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8A - FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

GC Column: DB-624 ID: 0.25 (mm) Init. Calib. Date(s): 11/26/2011 11/26/2011

EPA Sample No.(VSTD#####): VSTD05010T Date Analyzed: 11/28/2011

Lab File ID (Standard): V8A8192.D Time Analyzed: 21:01

Instrument ID: V10 Heated Purge: (Y/N) N

		IS1 (S1) AREA	#	RT	#	IS2 (S2) AREA	#	RT	#	IS3 (S3) AREA	#	RT	#
	12 HOUR STD	243431		5.304		206799		8.291		113601		10.783	
	UPPER LIMIT	486862		5.804		413598		8.791		227202		11.283	
	LOWER LIMIT	121716		4.804		103400		7.791		56801		10.283	
	SAMPLE NO.												
01	LCS-63323	244330		5.304		205203		8.291		113700		10.783	
02	MB-63323	217420		5.304		168841		8.291		71548		10.783	
03	AOC-1-CS-4ME	179504		5.301		146590		8.294		63266		10.786	

IS1 () = Fluorobenzene
IS2 () = Chlorobenzene-d5
IS3 () = 1,4-Dichlorobenzene-d4
AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area
AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area
RT UPPER LIMIT = +0.50 (Low-Medium Volatiles) and +0.33 (Trace Volatiles) minutes of internal standard RT
RT LOWER LIMIT = -0.50 (Low-Medium Volatiles) and -0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

* Semivolatile Organics *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : LaBella Associates

Project: 690 Saint Paul Street

Laboratory Workorder / SDG #: K2450

SW846 8270D, SVOA by GC-MS

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SW846 8270D

IV. PREPARATION

Soil Samples were prepared following procedures in laboratory test code: SW3550

V. INSTRUMENTATION

The following instrumentation was used

Instrument Code: S3
Instrument Type: GCMS-SEMI
Description: HP6890 / HP5973
Manufacturer: Hewlett-Packard
Model: 6890 / 5973

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Surrogates:

Surrogate standard percent recoveries were within the QC limits.

D. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits with the following exceptions. Please note that most test procedures allow for several compounds outside of the QC limits for the LCS, although this may indicate a bias for this specific compound.

LCS-63191 in batch 63191, recovery is above criteria for 2-Methylnaphthalene at 129% with criteria of (45-105).

LCSD-63191 in batch 63191, recovery is above criteria for 2-Methylnaphthalene at 129% with criteria of (45-105).

2. Matrix Spike / Matrix Spike Duplicate (MS/MSD):

No client-requested MS/MSD analyses were included in this SDG.

E. Internal Standards:

Internal standard peak areas were within the QC limits.

F. Dilutions:

No sample in this SDG required analysis at dilution.

G. Samples:

No other unusual occurrences were noted during sample analysis.

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

Signed:

Date: 12/13/11

Data Flag/Qualifiers:

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

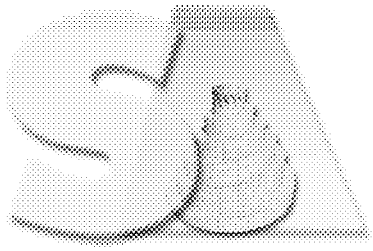
E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates an interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as aldol condensation byproducts.

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.



Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC-1-CS-4

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-01A

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3H7228.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 8.9 Decanted: (Y/N) N Date Received: 11/18/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/20/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/21/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	360	U
111-44-4	Bis(2-chloroethyl)ether	360	U
95-57-8	2-Chlorophenol	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
95-50-1	1,2-Dichlorobenzene	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	2,2´-oxybis(1-Chloropropane)	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-di-n-propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
120-83-2	2,4-Dichlorophenol	360	U
120-82-1	1,2,4-Trichlorobenzene	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
111-91-1	Bis(2-chloroethoxy)methane	360	U
87-68-3	Hexachlorobutadiene	360	U
59-50-7	4-Chloro-3-methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	740	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	740	U
131-11-3	Dimethylphthalate	360	U
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	360	U
99-09-2	3-Nitroaniline	740	U
83-32-9	Acenaphthene	360	U
51-28-5	2,4-Dinitrophenol	740	U
100-02-7	4-Nitrophenol	740	U
132-64-9	Dibenzofuran	360	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC-1-CS-4

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-01A

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3H7228.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 8.9 Decanted: (Y/N) N Date Received: 11/18/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/20/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/21/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
86-73-7	Fluorene	360	U
100-01-6	4-Nitroaniline	740	U
534-52-1	4,6-Dinitro-2-methylphenol	740	U
86-30-6	N-Nitrosodiphenylamine	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	740	U
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
86-74-8	Carbazole	360	U
84-74-2	Di-n-butylphthalate	360	U
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	360	U
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3´-Dichlorobenzidine	360	U
56-55-3	Benzo(a)anthracene	360	U
218-01-9	Chrysene	360	U
117-81-7	Bis(2-ethylhexyl)phthalate	360	U
117-84-0	Di-n-octylphthalate	360	U
205-99-2	Benzo(b)fluoranthene	360	U
207-08-9	Benzo(k)fluoranthene	360	U
50-32-8	Benzo(a)pyrene	360	U
193-39-5	Indeno(1,2,3-cd)pyrene	360	U
53-70-3	Dibenzo(a,h)anthracene	360	U
191-24-2	Benzo(g,h,i)perylene	360	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

AOC-1-CS-4

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-01A

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3H7228.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 8.9 Decanted: (Y/N) N Date Received: 11/18/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/20/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/21/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	4.980	370	J
02	57-10-3	n-Hexadecanoic acid	7.683	670	NJ
03	112-84-5	13-Docosenamide, (Z)-	9.996	370	NJ

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC-1-CS-5

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-02A

Sample wt/vol: 15.5 (g/mL) G Lab File ID: S3H7227.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 7.3 Decanted: (Y/N) N Date Received: 11/18/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/20/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/21/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	340	U
111-44-4	Bis(2-chloroethyl)ether	340	U
95-57-8	2-Chlorophenol	340	U
541-73-1	1,3-Dichlorobenzene	340	U
106-46-7	1,4-Dichlorobenzene	340	U
95-50-1	1,2-Dichlorobenzene	340	U
95-48-7	2-Methylphenol	340	U
108-60-1	2,2´-oxybis(1-Chloropropane)	340	U
106-44-5	4-Methylphenol	340	U
621-64-7	N-Nitroso-di-n-propylamine	340	U
67-72-1	Hexachloroethane	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U
120-83-2	2,4-Dichlorophenol	340	U
120-82-1	1,2,4-Trichlorobenzene	340	U
91-20-3	Naphthalene	340	U
106-47-8	4-Chloroaniline	340	U
111-91-1	Bis(2-chloroethoxy)methane	340	U
87-68-3	Hexachlorobutadiene	340	U
59-50-7	4-Chloro-3-methylphenol	340	U
91-57-6	2-Methylnaphthalene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorophenol	700	U
91-58-7	2-Chloronaphthalene	340	U
88-74-4	2-Nitroaniline	700	U
131-11-3	Dimethylphthalate	340	U
208-96-8	Acenaphthylene	340	U
606-20-2	2,6-Dinitrotoluene	340	U
99-09-2	3-Nitroaniline	700	U
83-32-9	Acenaphthene	340	U
51-28-5	2,4-Dinitrophenol	700	U
100-02-7	4-Nitrophenol	700	U
132-64-9	Dibenzofuran	340	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC-1-CS-5

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-02A

Sample wt/vol: 15.5 (g/mL) G Lab File ID: S3H7227.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 7.3 Decanted: (Y/N) N Date Received: 11/18/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/20/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/21/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	340	U
84-66-2	Diethylphthalate	340	U
7005-72-3	4-Chlorophenyl-phenylether	340	U
86-73-7	Fluorene	340	U
100-01-6	4-Nitroaniline	700	U
534-52-1	4,6-Dinitro-2-methylphenol	700	U
86-30-6	N-Nitrosodiphenylamine	340	U
101-55-3	4-Bromophenyl-phenylether	340	U
118-74-1	Hexachlorobenzene	340	U
87-86-5	Pentachlorophenol	280	J
85-01-8	Phenanthrene	77	J
120-12-7	Anthracene	340	U
86-74-8	Carbazole	340	U
84-74-2	Di-n-butylphthalate	340	U
206-44-0	Fluoranthene	130	J
129-00-0	Pyrene	130	J
85-68-7	Butylbenzylphthalate	340	U
91-94-1	3,3´-Dichlorobenzidine	340	U
56-55-3	Benzo(a)anthracene	76	J
218-01-9	Chrysene	82	J
117-81-7	Bis(2-ethylhexyl)phthalate	71	J
117-84-0	Di-n-octylphthalate	340	U
205-99-2	Benzo(b)fluoranthene	79	J
207-08-9	Benzo(k)fluoranthene	340	U
50-32-8	Benzo(a)pyrene	340	U
193-39-5	Indeno(1,2,3-cd)pyrene	340	U
53-70-3	Dibenzo(a,h)anthracene	340	U
191-24-2	Benzo(g,h,i)perylene	340	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

AOC-1-CS-5

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-02A

Sample wt/vol: 15.5 (g/mL) G Lab File ID: S3H7227.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 7.3 Decanted: (Y/N) N Date Received: 11/18/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/20/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/21/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	4.981	340	J
02	13798-23-7	Sulfur	6.055	820	NJ
03	57-10-3	n-Hexadecanoic acid	7.679	570	NJ

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MB-63191

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-63191

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3H7272.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/20/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/22/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
111-44-4	Bis(2-chloroethyl)ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2´-oxybis(1-Chloropropane)	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
111-91-1	Bis(2-chloroethoxy)methane	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	670	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	670	U
131-11-3	Dimethylphthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	670	U
83-32-9	Acenaphthene	330	U
51-28-5	2,4-Dinitrophenol	670	U
100-02-7	4-Nitrophenol	670	U
132-64-9	Dibenzofuran	330	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MB-63191

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-63191

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3H7272.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/20/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/22/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
86-73-7	Fluorene	330	U
100-01-6	4-Nitroaniline	670	U
534-52-1	4,6-Dinitro-2-methylphenol	670	U
86-30-6	N-Nitrosodiphenylamine	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	670	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3´-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	Bis(2-ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MB-63191

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-63191

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3H7272.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/20/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/22/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[2]EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-63191

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-63191

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3H7273.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/20/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/22/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	3000	
111-44-4	Bis(2-chloroethyl)ether	2600	
95-57-8	2-Chlorophenol	3000	
541-73-1	1,3-Dichlorobenzene	2700	
106-46-7	1,4-Dichlorobenzene	2700	
95-50-1	1,2-Dichlorobenzene	2700	
95-48-7	2-Methylphenol	2900	
108-60-1	2,2´-oxybis(1-Chloropropane)	1700	
106-44-5	4-Methylphenol	2800	
621-64-7	N-Nitroso-di-n-propylamine	2600	
67-72-1	Hexachloroethane	2700	
98-95-3	Nitrobenzene	2900	
78-59-1	Isophorone	2800	
88-75-5	2-Nitrophenol	3000	
105-67-9	2,4-Dimethylphenol	3200	
120-83-2	2,4-Dichlorophenol	3300	
120-82-1	1,2,4-Trichlorobenzene	2900	
91-20-3	Naphthalene	2900	
106-47-8	4-Chloroaniline	1300	
111-91-1	Bis(2-chloroethoxy)methane	2800	
87-68-3	Hexachlorobutadiene	3000	
59-50-7	4-Chloro-3-methylphenol	3200	
91-57-6	2-Methylnaphthalene	4300	
77-47-4	Hexachlorocyclopentadiene	2800	
88-06-2	2,4,6-Trichlorophenol	3000	
95-95-4	2,4,5-Trichlorophenol	3100	
91-58-7	2-Chloronaphthalene	2900	
88-74-4	2-Nitroaniline	2800	
131-11-3	Dimethylphthalate	3000	
208-96-8	Acenaphthylene	2900	
606-20-2	2,6-Dinitrotoluene	2900	
99-09-2	3-Nitroaniline	1900	
83-32-9	Acenaphthene	2800	
51-28-5	2,4-Dinitrophenol	3200	
100-02-7	4-Nitrophenol	3100	
132-64-9	Dibenzofuran	2900	

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-63191

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-63191

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3H7273.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/20/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/22/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	2900	
84-66-2	Diethylphthalate	2900	
7005-72-3	4-Chlorophenyl-phenylether	2900	
86-73-7	Fluorene	2800	
100-01-6	4-Nitroaniline	2300	
534-52-1	4,6-Dinitro-2-methylphenol	2700	
86-30-6	N-Nitrosodiphenylamine	2700	
101-55-3	4-Bromophenyl-phenylether	2900	
118-74-1	Hexachlorobenzene	2900	
87-86-5	Pentachlorophenol	2600	
85-01-8	Phenanthrene	2800	
120-12-7	Anthracene	2800	
86-74-8	Carbazole	2800	
84-74-2	Di-n-butylphthalate	2900	
206-44-0	Fluoranthene	2900	
129-00-0	Pyrene	2800	
85-68-7	Butylbenzylphthalate	2800	
91-94-1	3,3´-Dichlorobenzidine	2000	
56-55-3	Benzo(a)anthracene	2800	
218-01-9	Chrysene	2800	
117-81-7	Bis(2-ethylhexyl)phthalate	2800	
117-84-0	Di-n-octylphthalate	2900	
205-99-2	Benzo(b)fluoranthene	2900	
207-08-9	Benzo(k)fluoranthene	2900	
50-32-8	Benzo(a)pyrene	2900	
193-39-5	Indeno(1,2,3-cd)pyrene	3100	
53-70-3	Dibenzo(a,h)anthracene	3100	
191-24-2	Benzo(g,h,i)perylene	3100	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCSD-63191

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCSD-63191

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3H7274.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/20/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/22/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2900	
111-44-4	Bis(2-chloroethyl)ether	2600	
95-57-8	2-Chlorophenol	3000	
541-73-1	1,3-Dichlorobenzene	2700	
106-46-7	1,4-Dichlorobenzene	2700	
95-50-1	1,2-Dichlorobenzene	2700	
95-48-7	2-Methylphenol	2900	
108-60-1	2,2´-oxybis(1-Chloropropane)	1700	
106-44-5	4-Methylphenol	2800	
621-64-7	N-Nitroso-di-n-propylamine	2500	
67-72-1	Hexachloroethane	2800	
98-95-3	Nitrobenzene	2900	
78-59-1	Isophorone	2800	
88-75-5	2-Nitrophenol	3000	
105-67-9	2,4-Dimethylphenol	3200	
120-83-2	2,4-Dichlorophenol	3300	
120-82-1	1,2,4-Trichlorobenzene	3000	
91-20-3	Naphthalene	2900	
106-47-8	4-Chloroaniline	1100	
111-91-1	Bis(2-chloroethoxy)methane	2800	
87-68-3	Hexachlorobutadiene	3100	
59-50-7	4-Chloro-3-methylphenol	3100	
91-57-6	2-Methylnaphthalene	4300	
77-47-4	Hexachlorocyclopentadiene	2900	
88-06-2	2,4,6-Trichlorophenol	3000	
95-95-4	2,4,5-Trichlorophenol	3100	
91-58-7	2-Chloronaphthalene	2900	
88-74-4	2-Nitroaniline	2900	
131-11-3	Dimethylphthalate	2900	
208-96-8	Acenaphthylene	3000	
606-20-2	2,6-Dinitrotoluene	3000	
99-09-2	3-Nitroaniline	1800	
83-32-9	Acenaphthene	2800	
51-28-5	2,4-Dinitrophenol	3200	
100-02-7	4-Nitrophenol	3100	
132-64-9	Dibenzofuran	2900	

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCSD-63191

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCSD-63191

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3H7274.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/20/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 11/22/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	2900	
84-66-2	Diethylphthalate	2900	
7005-72-3	4-Chlorophenyl-phenylether	2900	
86-73-7	Fluorene	2900	
100-01-6	4-Nitroaniline	2300	
534-52-1	4,6-Dinitro-2-methylphenol	2700	
86-30-6	N-Nitrosodiphenylamine	2700	
101-55-3	4-Bromophenyl-phenylether	2800	
118-74-1	Hexachlorobenzene	2900	
87-86-5	Pentachlorophenol	2600	
85-01-8	Phenanthrene	2800	
120-12-7	Anthracene	2800	
86-74-8	Carbazole	2800	
84-74-2	Di-n-butylphthalate	2900	
206-44-0	Fluoranthene	3000	
129-00-0	Pyrene	2800	
85-68-7	Butylbenzylphthalate	2800	
91-94-1	3,3´-Dichlorobenzidine	1800	
56-55-3	Benzo(a)anthracene	2800	
218-01-9	Chrysene	2700	
117-81-7	Bis(2-ethylhexyl)phthalate	2800	
117-84-0	Di-n-octylphthalate	2900	
205-99-2	Benzo(b)fluoranthene	3200	
207-08-9	Benzo(k)fluoranthene	2600	
50-32-8	Benzo(a)pyrene	2900	
193-39-5	Indeno(1,2,3-cd)pyrene	3000	
53-70-3	Dibenzo(a,h)anthracene	2900	
191-24-2	Benzo(g,h,i)perylene	3000	

2K - FORM II SV-4

SOIL SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Level: (LOW/MED) LOW

	CLIENT SAMPLE NO.	SDMC1 (NBZ) #	SDMC2 (FBP) #	SDMC3 (TPH) #	SDMC4 (PHL) #	SDMC5 (2FP) #	SDMC6 (TBP) #			TOT OUT
01	AOC-1-CS-5	70	72	74	84	88	94			0
02	AOC-1-CS-4	78	75	76	81	89	97			0
03	MB-63191	87	82	77	84	94	97			0
04	LCS-63191	89	82	82	96	102	103			0
05	LCSD-63191	89	83	80	93	100	102			0

		QC LIMITS
SDMC1	(NBZ) = Nitrobenzene-d5	(35-100)
SDMC2	(FBP) = 2-Fluorobiphenyl	(45-105)
SDMC3	(TPH) = Terphenyl-d14	(30-125)
SDMC4	(PHL) = Phenol-d5	(40-100)
SDMC5	(2FP) = 2-Fluorophenol	(35-105)
SDMC6	(TBP) = 2,4,6-Tribromophenol	(35-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

som111.10.27.A

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
LCS-63191

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Lab Sample ID: LCS-63191 LCS Lot No.: A082598

Date Extracted: 11/20/2011 Date Analyzed (1): 11/22/2011

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Phenol	3333.0000	0.0000	3018.7600	91		40 - 100
Bis(2-chloroethyl)ether	3333.0000	0.0000	2595.0307	78		40 - 105
2-Chlorophenol	3333.0000	0.0000	3021.9762	91		45 - 105
1,3-Dichlorobenzene	3333.0000	0.0000	2652.0716	80		40 - 100
1,4-Dichlorobenzene	3333.0000	0.0000	2659.1957	80		35 - 105
1,2-Dichlorobenzene	3333.0000	0.0000	2711.5022	81		45 - 95
2-Methylphenol	3333.0000	0.0000	2904.5772	87		40 - 105
2,2´-oxybis(1-Chloropropan	3333.0000	0.0000	1687.8639	51		20 - 115
4-Methylphenol	3333.0000	0.0000	2836.6063	85		40 - 105
N-Nitroso-di-n-propylamine	3333.0000	0.0000	2641.8040	79		40 - 115
Hexachloroethane	3333.0000	0.0000	2747.6042	82		35 - 110
Nitrobenzene	3333.0000	0.0000	2926.4058	88		40 - 115
Isophorone	3333.0000	0.0000	2839.7641	85		45 - 110
2-Nitrophenol	3333.0000	0.0000	2991.2931	90		40 - 110
2,4-Dimethylphenol	3333.0000	0.0000	3247.8041	97		30 - 105
2,4-Dichlorophenol	3333.0000	0.0000	3292.0589	99		45 - 110
1,2,4-Trichlorobenzene	3333.0000	0.0000	2910.4892	87		45 - 110
Naphthalene	3333.0000	0.0000	2890.0161	87		40 - 105
4-Chloroaniline	3333.0000	0.0000	1321.1484	40		10 - 100
Bis(2-chloroethoxy)methane	3333.0000	0.0000	2773.6287	83		45 - 110
Hexachlorobutadiene	3333.0000	0.0000	3033.7692	91		40 - 115
4-Chloro-3-methylphenol	3333.0000	0.0000	3223.2871	97		45 - 115
2-Methylnaphthalene	3333.0000	0.0000	4303.7575	129	*	45 - 105
Hexachlorocyclopentadiene	3333.0000	0.0000	2753.9682	83		8 - 148
2,4,6-Trichlorophenol	3333.0000	0.0000	2970.3958	89		45 - 110
2,4,5-Trichlorophenol	3333.0000	0.0000	3070.2469	92		50 - 110
2-Chloronaphthalene	3333.0000	0.0000	2858.0392	86		45 - 105
2-Nitroaniline	3333.0000	0.0000	2811.8227	84		45 - 120
Dimethylphthalate	3333.0000	0.0000	2950.7299	89		50 - 110
Acenaphthylene	3333.0000	0.0000	2894.9579	87		45 - 105
2,6-Dinitrotoluene	3333.0000	0.0000	2922.8062	88		50 - 110
3-Nitroaniline	3333.0000	0.0000	1889.0059	57		25 - 110
Acenaphthene	3333.0000	0.0000	2829.0362	85		45 - 110
2,4-Dinitrophenol	3333.0000	0.0000	3178.1900	95		15 - 130
4-Nitrophenol	3333.0000	0.0000	3084.2145	93		15 - 140
Dibenzofuran	3333.0000	0.0000	2868.2834	86		50 - 105
2,4-Dinitrotoluene	3333.0000	0.0000	2932.2206	88		50 - 115
Diethylphthalate	3333.0000	0.0000	2943.9326	88		50 - 115
4-Chlorophenyl-phenylether	3333.0000	0.0000	2897.7938	87		45 - 110
Fluorene	3333.0000	0.0000	2797.7504	84		50 - 110
4-Nitroaniline	3333.0000	0.0000	2323.0157	70		35 - 115
4,6-Dinitro-2-methylphenol	3333.0000	0.0000	2691.4955	81		30 - 135
N-Nitrosodiphenylamine	3333.0000	0.0000	2679.6106	80		50 - 115
4-Bromophenyl-phenylether	3333.0000	0.0000	2862.0834	86		45 - 115

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
LCS-63191

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Lab Sample ID: LCS-63191 LCS Lot No.: A082598

Date Extracted: 11/20/2011 Date Analyzed (1): 11/22/2011

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Hexachlorobenzene	3333.0000	0.0000	2917.4997	88		45 - 120
Pentachlorophenol	3333.0000	0.0000	2640.6763	79		25 - 120
Phenanthrene	3333.0000	0.0000	2773.4040	83		50 - 110
Anthracene	3333.0000	0.0000	2812.2442	84		55 - 105
Carbazole	3333.0000	0.0000	2783.5921	84		45 - 115
Di-n-butylphthalate	3333.0000	0.0000	2865.2764	86		55 - 110
Fluoranthene	3333.0000	0.0000	2934.2468	88		55 - 115
Pyrene	3333.0000	0.0000	2837.7995	85		45 - 125
Butylbenzylphthalate	3333.0000	0.0000	2808.7609	84		50 - 125
3,3´-Dichlorobenzidine	3333.0000	0.0000	2042.9927	61		10 - 130
Benzo(a)anthracene	3333.0000	0.0000	2796.6641	84		50 - 110
Chrysene	3333.0000	0.0000	2834.6049	85		55 - 110
Bis(2-ethylhexyl)phthalate	3333.0000	0.0000	2789.4264	84		45 - 125
Di-n-octylphthalate	3333.0000	0.0000	2910.7790	87		40 - 130
Benzo(b)fluoranthene	3333.0000	0.0000	2921.3306	88		45 - 115
Benzo(k)fluoranthene	3333.0000	0.0000	2886.1447	87		45 - 125
Benzo(a)pyrene	3333.0000	0.0000	2901.8569	87		50 - 110
Indeno(1,2,3-cd)pyrene	3333.0000	0.0000	3050.7057	92		40 - 120
Dibenzo(a,h)anthracene	3333.0000	0.0000	3054.9861	92		40 - 125
Benzo(g,h,i)perylene	3333.0000	0.0000	3058.7830	92		40 - 125

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

* Values outside of QC limits

Spike Recovery: 1 out of 64 outside limits

COMMENTS:

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE DUPLICATE RECOVERY

EPA SAMPLE NO.
LCSD-63191

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Lab Sample ID: LCSD-63191 LCS Lot No.: A082598

COMPOUND	SPIKE ADDED	LCSD CONCENTRATION	LCSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Phenol	3333.0000	2946.7878	88		3		40	40 - 100
Bis(2-chloroethyl)ether	3333.0000	2585.1969	78		0		40	40 - 105
2-Chlorophenol	3333.0000	2985.1748	90		1		40	45 - 105
1,3-Dichlorobenzene	3333.0000	2693.1765	81		1		40	40 - 100
1,4-Dichlorobenzene	3333.0000	2739.0781	82		2		40	35 - 105
1,2-Dichlorobenzene	3333.0000	2703.4665	81		0		40	45 - 95
2-Methylphenol	3333.0000	2875.2474	86		1		40	40 - 105
2,2´-oxybis(1-Chloropropan	3333.0000	1714.9872	51		0		40	20 - 115
4-Methylphenol	3333.0000	2752.0257	83		2		40	40 - 105
N-Nitroso-di-n-propylamine	3333.0000	2540.7365	76		4		40	40 - 115
Hexachloroethane	3333.0000	2809.6675	84		2		40	35 - 110
Nitrobenzene	3333.0000	2932.2790	88		0		40	40 - 115
Isophorone	3333.0000	2828.5397	85		0		40	45 - 110
2-Nitrophenol	3333.0000	3045.3691	91		1		40	40 - 110
2,4-Dimethylphenol	3333.0000	3171.7526	95		2		40	30 - 105
2,4-Dichlorophenol	3333.0000	3261.7856	98		1		40	45 - 110
1,2,4-Trichlorobenzene	3333.0000	2970.1603	89		2		40	45 - 110
Naphthalene	3333.0000	2902.0489	87		0		40	40 - 105
4-Chloroaniline	3333.0000	1144.2196	34		16		40	10 - 100
Bis(2-chloroethoxy)methane	3333.0000	2801.3845	84		1		40	45 - 110
Hexachlorobutadiene	3333.0000	3142.7572	94		3		40	40 - 115
4-Chloro-3-methylphenol	3333.0000	3129.1013	94		3		40	45 - 115
2-Methylnaphthalene	3333.0000	4283.6632	129	*	0		40	45 - 105
Hexachlorocyclopentadiene	3333.0000	2857.7211	86		4		40	8 - 148
2,4,6-Trichlorophenol	3333.0000	3035.3731	91		2		40	45 - 110
2,4,5-Trichlorophenol	3333.0000	3061.0553	92		0		40	50 - 110
2-Chloronaphthalene	3333.0000	2917.2403	88		2		40	45 - 105
2-Nitroaniline	3333.0000	2905.9456	87		4		40	45 - 120
Dimethylphthalate	3333.0000	2945.3644	88		1		40	50 - 110
Acenaphthylene	3333.0000	2971.1197	89		2		40	45 - 105
2,6-Dinitrotoluene	3333.0000	2963.7061	89		1		40	50 - 110
3-Nitroaniline	3333.0000	1783.1631	54		5		40	25 - 110
Acenaphthene	3333.0000	2829.3013	85		0		40	45 - 110
2,4-Dinitrophenol	3333.0000	3180.7039	95		0		40	15 - 130
4-Nitrophenol	3333.0000	3142.5133	94		1		40	15 - 140
Dibenzofuran	3333.0000	2918.0024	88		2		40	50 - 105
2,4-Dinitrotoluene	3333.0000	2886.6564	87		1		40	50 - 115
Diethylphthalate	3333.0000	2928.1336	88		0		40	50 - 115
4-Chlorophenyl-phenylether	3333.0000	2856.9490	86		1		40	45 - 110
Fluorene	3333.0000	2850.2337	86		2		40	50 - 110
4-Nitroaniline	3333.0000	2289.7489	69		1		40	35 - 115
4,6-Dinitro-2-methylphenol	3333.0000	2653.1856	80		1		40	30 - 135
N-Nitrosodiphenylamine	3333.0000	2680.6558	80		0		40	50 - 115
4-Bromophenyl-phenylether	3333.0000	2804.3579	84		2		40	45 - 115
Hexachlorobenzene	3333.0000	2890.6409	87		1		40	45 - 120
Pentachlorophenol	3333.0000	2601.3251	78		1		40	25 - 120

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE DUPLICATE RECOVERY

EPA SAMPLE NO.
LCSD-63191

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Lab Sample ID: LCSD-63191 LCS Lot No.: A082598

COMPOUND	SPIKE ADDED	LCSD CONCENTRATION	LCSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Phenanthrene	3333.0000	2800.6632	84		1		40	50 - 110
Anthracene	3333.0000	2843.2879	85		1		40	55 - 105
Carbazole	3333.0000	2807.5283	84		0		40	45 - 115
Di-n-butylphthalate	3333.0000	2883.3146	87		1		40	55 - 110
Fluoranthene	3333.0000	2991.9070	90		2		40	55 - 115
Pyrene	3333.0000	2803.7832	84		1		40	45 - 125
Butylbenzylphthalate	3333.0000	2776.3144	83		1		40	50 - 125
3,3´-Dichlorobenzidine	3333.0000	1757.0398	53		14		40	10 - 130
Benzo(a)anthracene	3333.0000	2836.6501	85		1		40	50 - 110
Chrysene	3333.0000	2746.6599	82		4		40	55 - 110
Bis(2-ethylhexyl)phthalate	3333.0000	2804.7117	84		0		40	45 - 125
Di-n-octylphthalate	3333.0000	2851.9949	86		1		40	40 - 130
Benzo(b)fluoranthene	3333.0000	3151.1367	95		8		40	45 - 115
Benzo(k)fluoranthene	3333.0000	2625.8243	79		10		40	45 - 125
Benzo(a)pyrene	3333.0000	2860.7138	86		1		40	50 - 110
Indeno(1,2,3-cd)pyrene	3333.0000	3012.2365	90		2		40	40 - 120
Dibenzo(a,h)anthracene	3333.0000	2898.4933	87		6		40	40 - 125
Benzo(g,h,i)perylene	3333.0000	3032.4345	91		1		40	40 - 125

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

* Values outside of QC limits

RPD: 0 out of 64 outside limits

Spike Recovery: 1 out of 64 outside limits

COMMENTS:

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MB-63191

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Lab File ID: S3H7272.D Lab Sample ID: MB-63191

Instrument ID: S3 Date Extracted: 11/20/2011

Matrix: (SOIL/SED/WATER) SOIL Date Analyzed: 11/22/2011

Level: (LOW/MED) LOW Time Analyzed: 18:42

Extraction: (Type) SONC GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	AOC-1-CS-5	K2450-02A	S3H7227.D	11/21/2011
02	AOC-1-CS-4	K2450-01A	S3H7228.D	11/21/2011
03	LCS-63191	LCS-63191	S3H7273.D	11/22/2011
04	LCSD-63191	LCSD-63191	S3H7274.D	11/22/2011

COMMENTS:

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

GC Column: Rxi-5sil MS ID: 0.25 (mm) Init. Calib. Date(s): 10/13/2011 10/13/2011

EPA Sample No.(SSTD020##) SSTD0253L Date Analyzed: 11/21/2011

Lab File ID (Standard): S3H7221.D Time Analyzed: 10:35

Instrument ID: S3

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	107168		2.782		483970		4.277		337196		5.901	
	UPPER LIMIT	214336		3.282		967940		4.777		674392		6.401	
	LOWER LIMIT	53584		2.282		241985		3.777		168598		5.401	
	SAMPLE NO.												
01	AOC-1-CS-5	99393		2.780		453431		4.270		332279		5.894	
02	AOC-1-CS-4	104924		2.779		443618		4.275		310564		5.893	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

EPA Sample No.(SSTD020##) SSTD0253L Date Analyzed: 11/21/2011

Lab File ID (Standard): S3H7221.D Time Analyzed: 10:35

Instrument ID: S3 GC Column: Rxi-5sil MS ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	658090		7.125		973098		9.278		946620		10.373	
	UPPER LIMIT	1316180		7.625		1946196		9.778		1893240		10.873	
	LOWER LIMIT	329045		6.625		486549		8.778		473310		9.873	
	SAMPLE NO.												
01	AOC-1-CS-5	711508		7.118		1035298		9.271		1172150		10.355	
02	AOC-1-CS-4	644510		7.117		938131		9.269		1058504		10.354	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

GC Column: Rxi-5sil MS ID: 0.25 (mm) Init. Calib. Date(s): 10/13/2011 10/13/2011

EPA Sample No.(SSTD020##) SSTD0253O Date Analyzed: 11/22/2011

Lab File ID (Standard): S3H7271.D Time Analyzed: 18:24

Instrument ID: S3

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	77288		2.707		357660		4.214		264361		5.838	
	UPPER LIMIT	154576		3.207		715320		4.714		528722		6.338	
	LOWER LIMIT	38644		2.207		178830		3.714		132181		5.338	
	SAMPLE NO.												
01	MB-63191	82278		2.705		327160		4.206		218325		5.830	
02	LCS-63191	84627		2.708		370391		4.214		269081		5.838	
03	LCSD-63191	84069		2.710		360599		4.211		254306		5.840	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

EPA Sample No.(SSTD020##) SSTD0253O Date Analyzed: 11/22/2011

Lab File ID (Standard): S3H7271.D Time Analyzed: 18:24

Instrument ID: S3 GC Column: Rxi-5sil MS ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	556772		7.056		876350		9.203		869686		10.277	
	UPPER LIMIT	1113544		7.556		1752700		9.703		1739372		10.777	
	LOWER LIMIT	278386		6.556		438175		8.703		434843		9.777	
	SAMPLE NO.												
01	MB-63191	468358		7.054		721843		9.196		805691		10.275	
02	LCS-63191	566338		7.056		827380		9.209		875124		10.283	
03	LCSD-63191	539443		7.058		800927		9.206		862166		10.280	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

* Pesticide Organics *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : LaBella Associates

Project: 690 Saint Paul Street

Laboratory Workorder / SDG #: K2450

SW846 8081B, Organochlorine Pesticides by GC-ECD

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SW846 8081B.

IV. PREPARATION

Soil Samples were prepared following procedures in laboratory test code: SW3550.

V. INSTRUMENTATION

The following instrumentation was used:

Instrument Code: E5
Instrument Type: GC-ECD
Description: HP6890
Manufacturer: Hewlett-Packard
Model: 6890
GC Column used: 30 m X 0.53 mm ID [0.50 um thickness] CLPPest capillary column.

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Surrogates:

Surrogate standard percent recoveries were within the QC limits.

D. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits.

2. Matrix Spike / Matrix Spike Duplicate (MS/MSD):

No client-requested MS/MSD analyses were included in this SDG.

E. Dilutions:

No sample in this SDG required analysis at dilution.

F. Samples:

The lower concentration between the primary and confirmatory GC column concentrations is reported due to the presence of interferences unless otherwise indicated on Form 10. Both values are

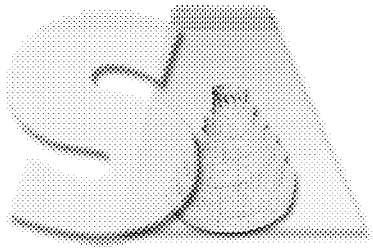
reported on Form 10. P flags are assigned to compounds on Form 1 when D% between the two columns is greater than 40%.

No other unusual occurrences were noted during sample analysis.

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

Signed:

Date: 12/13/11



Data Flag/Qualifiers:

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

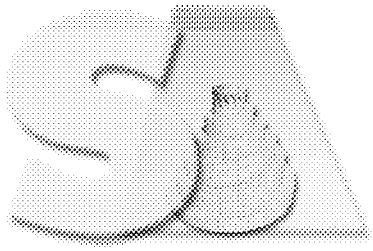
E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates an interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as aldol condensation byproducts.

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.



Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC-1-CS-4

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-01A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: E5H4877F.D/E5H4877R.D

% Moisture: 8.9 Decanted: (Y/N) N Date Received: 11/18/2011

Extraction: (Type) SONC Date Extracted: 11/20/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/21/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4´-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4´-DDD	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
50-29-3	4,4´-DDT	3.6	U
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.6	U
7421-93-4	Endrin aldehyde	3.6	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC-1-CS-5

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-02A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: E5H4878F.D/E5H4878R.D

% Moisture: 7.3 Decanted: (Y/N) N Date Received: 11/18/2011

Extraction: (Type) SONC Date Extracted: 11/20/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/21/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.5	U
72-55-9	4,4´-DDE	3.5	U
72-20-8	Endrin	3.5	U
33213-65-9	Endosulfan II	3.5	U
72-54-8	4,4´-DDD	3.5	U
1031-07-8	Endosulfan sulfate	3.5	U
50-29-3	4,4´-DDT	4.5	P
72-43-5	Methoxychlor	18	U
53494-70-5	Endrin ketone	3.5	U
7421-93-4	Endrin aldehyde	3.5	U
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	1.8	U
8001-35-2	Toxaphene	180	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WCS-111711-1

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-03A

Sample wt/vol: 30.3 (g/mL) G Lab File ID: E5H4879F.D/E5H4879R.D

% Moisture: 9.4 Decanted: (Y/N) N Date Received: 11/18/2011

Extraction: (Type) SONC Date Extracted: 11/20/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/21/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4´-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4´-DDD	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
50-29-3	4,4´-DDT	3.6	U
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.6	U
7421-93-4	Endrin aldehyde	3.6	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MB-63188

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-63188

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E5H4880F.D/E5H4880R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SONC Date Extracted: 11/20/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/21/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4´-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4´-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4´-DDT	3.3	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-63188(1)

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-63188

Sample wt/vol: 30 (g/mL) G Lab File ID: E5H4908F.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SONC Date Extracted: 11/20/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/22/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	4.8	
319-85-7	beta-BHC	5.4	
319-86-8	delta-BHC	5.0	
58-89-9	gamma-BHC (Lindane)	5.1	
76-44-8	Heptachlor	5.0	
309-00-2	Aldrin	4.9	
1024-57-3	Heptachlor epoxide	5.0	
959-98-8	Endosulfan I	4.4	
60-57-1	Dieldrin	10	
72-55-9	4,4´-DDE	11	
72-20-8	Endrin	10	
33213-65-9	Endosulfan II	9.1	
72-54-8	4,4´-DDD	9.7	
1031-07-8	Endosulfan sulfate	11	
50-29-3	4,4´-DDT	10	
72-43-5	Methoxychlor	55	
53494-70-5	Endrin ketone	11	
7421-93-4	Endrin aldehyde	10	
5103-71-9	alpha-Chlordane	4.8	
5103-74-2	gamma-Chlordane	5.0	
8001-35-2	Toxaphene	170	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-63188(2)

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-63188

Sample wt/vol: 30 (g/mL) G Lab File ID: E5H4908R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SONC Date Extracted: 11/20/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/22/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	5.0	
319-85-7	beta-BHC	5.0	
319-86-8	delta-BHC	4.9	
58-89-9	gamma-BHC (Lindane)	5.1	
76-44-8	Heptachlor	5.0	
309-00-2	Aldrin	5.0	
1024-57-3	Heptachlor epoxide	5.0	
959-98-8	Endosulfan I	4.4	
60-57-1	Dieldrin	9.9	
72-55-9	4,4´-DDE	10	
72-20-8	Endrin	10	
33213-65-9	Endosulfan II	9.3	
72-54-8	4,4´-DDD	9.9	
1031-07-8	Endosulfan sulfate	9.8	
50-29-3	4,4´-DDT	10	
72-43-5	Methoxychlor	52	
53494-70-5	Endrin ketone	9.9	
7421-93-4	Endrin aldehyde	9.6	
5103-71-9	alpha-Chlordane	4.8	
5103-74-2	gamma-Chlordane	5.3	
8001-35-2	Toxaphene	170	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
LCSD-63188(1)

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCSD-63188

Sample wt/vol: 30 (g/mL) G Lab File ID: E5H4909F.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SONC Date Extracted: 11/20/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/22/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	4.9	
319-85-7	beta-BHC	5.5	
319-86-8	delta-BHC	5.1	
58-89-9	gamma-BHC (Lindane)	5.2	
76-44-8	Heptachlor	5.1	
309-00-2	Aldrin	4.9	
1024-57-3	Heptachlor epoxide	5.0	
959-98-8	Endosulfan I	4.5	
60-57-1	Dieldrin	10	
72-55-9	4,4´-DDE	11	
72-20-8	Endrin	10	
33213-65-9	Endosulfan II	9.3	
72-54-8	4,4´-DDD	9.8	
1031-07-8	Endosulfan sulfate	11	
50-29-3	4,4´-DDT	11	
72-43-5	Methoxychlor	56	
53494-70-5	Endrin ketone	11	
7421-93-4	Endrin aldehyde	10	
5103-71-9	alpha-Chlordane	4.8	
5103-74-2	gamma-Chlordane	5.1	
8001-35-2	Toxaphene	170	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
LCSD-63188(2)

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCSD-63188

Sample wt/vol: 30 (g/mL) G Lab File ID: E5H4909R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SONC Date Extracted: 11/20/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/22/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	5.0	
319-85-7	beta-BHC	5.0	
319-86-8	delta-BHC	5.2	
58-89-9	gamma-BHC (Lindane)	5.2	
76-44-8	Heptachlor	5.1	
309-00-2	Aldrin	5.0	
1024-57-3	Heptachlor epoxide	5.1	
959-98-8	Endosulfan I	4.4	
60-57-1	Dieldrin	10	
72-55-9	4,4´-DDE	10	
72-20-8	Endrin	10	
33213-65-9	Endosulfan II	9.4	
72-54-8	4,4´-DDD	10	
1031-07-8	Endosulfan sulfate	10	
50-29-3	4,4´-DDT	11	
72-43-5	Methoxychlor	56	
53494-70-5	Endrin ketone	9.8	
7421-93-4	Endrin aldehyde	9.7	
5103-71-9	alpha-Chlordane	4.9	
5103-74-2	gamma-Chlordane	5.4	
8001-35-2	Toxaphene	170	U

2P - FORM II PEST-2

SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

GC Column(1): CLPPest ID: 0.53 (mm) GC Column(2): CLPPestII ID: 0.53 (mm)

	CLIENT SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	AOC-1-CS-4	59	59	57	63			0
02	AOC-1-CS-5	95	62	60	68			0
03	WCS-111711-1	59	53	59	63			0
04	MB-63188	62	63	64	72			0
05	LCS-63188	69	71	73	76			0
06	LCSD-63188	70	71	78	78			0

	QC LIMITS
TCX = Tetrachloro-m-xylene	(14-113)
DCB = Decachlorobiphenyl	(55-130)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

som111.10.27.A

SW846

3M - FORM III PEST-3
SOIL PESTICIDE LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
LCS-63188

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Lab Sample ID: LCS-63188 LCS Lot No.: A079294

Date Extracted: 11/20/2011 Date Analyzed (1): 11/22/2011

Instrument ID (1): E5 GC Column(1): CLPPest ID: 0.53 (mm)

COMPOUND	AMOUNT ADDED (UG/KG)	AMOUNT RECOVERED (UG/KG)	%REC #	QC LIMITS
alpha-BHC	6.6670	4.7966	72	60-125
beta-BHC	6.6670	5.3763	81	60-125
delta-BHC	6.6670	5.0319	75	55-130
gamma-BHC (Lindane)	6.6670	5.0510	76	60-125
Heptachlor	6.6670	5.0105	75	50-140
Aldrin	6.6670	4.8855	73	45-140
Heptachlor epoxide	6.6670	4.9733	75	65-130
Endosulfan I	6.6670	4.4236	66	15-135
Dieldrin	13.3330	10.0663	75	65-125
4,4´-DDE	13.3330	10.9130	82	70-125
Endrin	13.3330	10.2387	77	60-135
Endosulfan II	13.3330	9.1364	69	35-140
4,4´-DDD	13.3330	9.6574	72	30-135
Endosulfan sulfate	13.3330	10.6325	80	60-135
4,4´-DDT	13.3330	10.4410	78	45-140
Methoxychlor	66.6670	54.9899	82	55-145
Endrin ketone	13.3330	10.6565	80	65-135
Endrin aldehyde	13.3330	10.0906	76	35-145
alpha-Chlordane	6.6670	4.7912	72	65-120
gamma-Chlordane	6.6670	5.0208	75	65-125

Instrument ID (2): E5 GC Column(2): CLPPestII ID: 0.53 (mm)

Date Analyzed (2): 11/22/2011

COMPOUND	AMOUNT ADDED (UG/KG)	AMOUNT RECOVERED (UG/KG)	%REC #	QC LIMITS
alpha-BHC	6.6670	4.9880	75	60-125
beta-BHC	6.6670	4.9976	75	60-125
delta-BHC	6.6670	4.9303	74	55-130
gamma-BHC (Lindane)	6.6670	5.1057	77	60-125

COMMENTS:

3M - FORM III PEST-3
SOIL PESTICIDE LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
LCS-63188

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Lab Sample ID: LCS-63188 LCS Lot No.: A079294

Date Extracted: 11/20/2011 Date Analyzed (1): 11/22/2011

Heptachlor	6.6670	4.9935	75	50-140
Aldrin	6.6670	4.9813	75	45-140
Heptachlor epoxide	6.6670	5.0169	75	65-130
Endosulfan I	6.6670	4.4114	66	15-135
Dieldrin	13.3330	9.9269	74	65-125
4,4´-DDE	13.3330	10.2146	77	70-125
Endrin	13.3330	10.2098	77	60-135
Endosulfan II	13.3330	9.2667	70	35-140
4,4´-DDD	13.3330	9.8903	74	30-135
Endosulfan sulfate	13.3330	9.8300	74	60-135
4,4´-DDT	13.3330	10.4844	79	45-140
Methoxychlor	66.6670	52.4334	79	55-145
Endrin ketone	13.3330	9.8527	74	65-135
Endrin aldehyde	13.3330	9.5712	72	35-145
alpha-Chlordane	6.6670	4.8420	73	65-120
gamma-Chlordane	6.6670	5.3315	80	65-125

Column to be used to flag recovery values with an asterisk
* Values outside of QC limits

LCS Recovery: 0 out of 40 outside limits.

COMMENTS:

som111.10.27.A

3M - FORM III PEST-3
SOIL PESTICIDE LABORATORY CONTROL
SAMPLE DUPLICATE RECOVERY

CLIENT SAMPLE NO.
LCSD-63188

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Lab Sample ID: LCSD-63188 LCS Lot No.: A079294

Date Extracted: 11/20/2011 Date Analyzed (1): 11/22/2011

Instrument ID (1): E5 GC Column(1): CLPPest ID: 0.53 (mm)

COMPOUND	AMOUNT ADDED (UG/KG)	AMOUNT RECOVERED (UG/KG)	%REC #	QC LIMITS	%RPD #	RPD LIMIT
alpha-BHC	6.6670	4.8991	73	60-125	1.0	30
beta-BHC	6.6670	5.5179	83	60-125	2.0	30
delta-BHC	6.6670	5.1461	77	55-130	3.0	30
gamma-BHC (Lindane)	6.6670	5.1506	77	60-125	1.0	30
Heptachlor	6.6670	5.1131	77	50-140	3.0	30
Aldrin	6.6670	4.9081	74	45-140	1.0	30
Heptachlor epoxide	6.6670	5.0440	76	65-130	1.0	30
Endosulfan I	6.6670	4.4568	67	15-135	2.0	30
Dieldrin	13.3330	10.1617	76	65-125	1.0	30
4,4´-DDE	13.3330	10.9557	82	70-125	0	30
Endrin	13.3330	10.4614	78	60-135	1.0	30
Endosulfan II	13.3330	9.2712	70	35-140	1.0	30
4,4´-DDD	13.3330	9.7881	73	30-135	1.0	30
Endosulfan sulfate	13.3330	11.0626	83	60-135	4.0	30
4,4´-DDT	13.3330	10.5821	79	45-140	1.0	30
Methoxychlor	66.6670	56.1931	84	55-145	2.0	30
Endrin ketone	13.3330	10.7257	80	65-135	0	30
Endrin aldehyde	13.3330	10.2243	77	35-145	1.0	30
alpha-Chlordane	6.6670	4.8316	72	65-120	0	30
gamma-Chlordane	6.6670	5.0891	76	65-125	1.0	30

Instrument ID (2): E5 GC Column(2): CLPPestII ID: 0.53 (mm)

Date Analyzed (2): 11/22/2011

COMPOUND	AMOUNT ADDED (UG/KG)	AMOUNT RECOVERED (UG/KG)	%REC #	QC LIMITS	%RPD #	RPD LIMIT
alpha-BHC	6.6670	5.0278	75	60-125	0	30
beta-BHC	6.6670	5.0172	75	60-125	0	30
delta-BHC	6.6670	5.1519	77	55-130	4.0	30
gamma-BHC (Lindane)	6.6670	5.1536	77	60-125	0	30

COMMENTS:

3M - FORM III PEST-3
SOIL PESTICIDE LABORATORY CONTROL
SAMPLE DUPLICATE RECOVERY

CLIENT SAMPLE NO.
LCSD-63188

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Lab Sample ID: LCSD-63188 LCS Lot No.: A079294

Date Extracted: 11/20/2011 Date Analyzed (1): 11/22/2011

Heptachlor	6.6670	5.1231	77	50-140	3.0	30
Aldrin	6.6670	5.0287	75	45-140	0	30
Heptachlor epoxide	6.6670	5.0716	76	65-130	1.0	30
Endosulfan I	6.6670	4.3956	66	15-135	0	30
Dieldrin	13.3330	10.0284	75	65-125	1.0	30
4,4´-DDE	13.3330	10.3284	77	70-125	0	30
Endrin	13.3330	10.3066	77	60-135	0	30
Endosulfan II	13.3330	9.3609	70	35-140	0	30
4,4´-DDD	13.3330	9.9869	75	30-135	1.0	30
Endosulfan sulfate	13.3330	9.9799	75	60-135	1.0	30
4,4´-DDT	13.3330	10.5810	79	45-140	0	30
Methoxychlor	66.6670	56.3656	85	55-145	7.0	30
Endrin ketone	13.3330	9.8356	74	65-135	0	30
Endrin aldehyde	13.3330	9.7262	73	35-145	1.0	30
alpha-Chlordane	6.6670	4.8922	73	65-120	0	30
gamma-Chlordane	6.6670	5.3821	81	65-125	1.0	30

Column to be used to flag recovery values with an asterisk
* Values outside of QC limits

LCS Recovery: 0 out of 40 outside limits.

RPD: 0 out of 40 outside limits.

COMMENTS:

4E - FORM IV PEST
PESTICIDE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.
MB-63188

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Lab File ID: E5H4880F.D / E5H4880R.D Lab Sample ID: MB-63188

Matrix: (SOIL/SED/WATER) SOIL Extraction: (Type) SONC Date Extracted: 11/20/2011

Sulfur Cleanup: (Y/N) Y GPC Cleanup:(Y/N) N

Date Analyzed (1): 11/21/2011 Date Analyzed (2): 11/21/2011

Time Analyzed (1): 14:35 Time Analyzed (2): 14:35

Instrument ID (1): E5 Instrument ID (2): E5

GC Column(1): CLPPest ID: 0.53 (mm) GC Column(2): CLPPestII ID: 0.53 (mm)

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED (1)	DATE ANALYZED (2)
01	AOC-1-CS-4	K2450-01A	11/21/2011	11/21/2011
02	AOC-1-CS-5	K2450-02A	11/21/2011	11/21/2011
03	WCS-111711-1	K2450-03A	11/21/2011	11/21/2011
04	LCS-63188	LCS-63188	11/22/2011	11/22/2011
05	LCSD-63188	LCSD-63188	11/22/2011	11/22/2011

COMMENTS:

* PCB Organics *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : LaBella Associates

Project: 690 Saint Paul Street

Laboratory Workorder / SDG #: K2450

SW846 8082A, PCB by GC-ECD

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SW846 8082A.

IV. PREPARATION

Soil Samples were prepared following procedures in laboratory test code: SW3550.

V. INSTRUMENTATION

The following instrumentation was used:

Instrument Code: E4
Instrument Type: GC-ECD
Description: HP6890
Manufacturer: Hewlett-Packard
Model: 6890
GC Column used: 30 m X 0.53 mm ID [0.50 um thickness] CLPPest capillary column.

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Surrogates:

Surrogate standard percent recoveries were within the QC limits with the following exceptions. Please note that the acceptance criteria allow one surrogate recovery outside of the QC limits per fraction.

AOC-1-CS-4 (K2450-01A), recovery is below criteria for Decachlorobiphenyl on front column, at 57% with criteria of (60-125).

AOC-1-CS-5 (K2450-02A), recovery is below criteria for Decachlorobiphenyl on front column, at 47% with criteria of (60-125).

WCS-111711-1 (K2450-03A), recovery is below criteria for Decachlorobiphenyl on front column, at 48% with criteria of (60-125).

D. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits.

2. Matrix Spike / Matrix Spike Duplicate (MS/MSD):

No client-requested MS/MSD analyses were included in this SDG.

E. Dilutions:

No sample in this SDG required analysis at dilution.

F. Samples:

The lower concentration between the primary and confirmatory GC column concentrations is reported due to the presence of interferences unless otherwise indicated on Form 10. Both values are reported on Form 10. P flags are assigned to compounds on Form 1 when D% between the two columns is greater than 40%.

No other unusual occurrences were noted during sample analysis.

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

Signed:

Date: 12/13/11

Data Flag/Qualifiers:

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

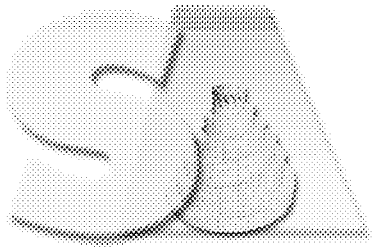
E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates an interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as aldol condensation byproducts.

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.



Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC-1-CS-4

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-01A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: E4G8131F.D/E4G8131R.D

% Moisture: 8.9 Decanted: (Y/N) N Date Received: 11/18/2011

Extraction: (Type) SONC Date Extracted: 11/20/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/21/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup:(Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	36	U
11104-28-2	Aroclor-1221	36	U
11141-16-5	Aroclor-1232	36	U
53469-21-9	Aroclor-1242	36	U
12672-29-6	Aroclor-1248	36	U
11097-69-1	Aroclor-1254	36	U
11096-82-5	Aroclor-1260	36	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AOC-1-CS-5

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-02A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: E4G8132F.D/E4G8132R.D

% Moisture: 7.3 Decanted: (Y/N) N Date Received: 11/18/2011

Extraction: (Type) SONC Date Extracted: 11/20/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/21/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup:(Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	35	U
11104-28-2	Aroclor-1221	35	U
11141-16-5	Aroclor-1232	35	U
53469-21-9	Aroclor-1242	35	U
12672-29-6	Aroclor-1248	35	U
11097-69-1	Aroclor-1254	35	U
11096-82-5	Aroclor-1260	35	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WCS-111711-1

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K2450-03A

Sample wt/vol: 30.3 (g/mL) G Lab File ID: E4G8133F.D/E4G8133R.D

% Moisture: 9.4 Decanted: (Y/N) N Date Received: 11/18/2011

Extraction: (Type) SONC Date Extracted: 11/20/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/21/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup:(Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	36	U
11104-28-2	Aroclor-1221	36	U
11141-16-5	Aroclor-1232	36	U
53469-21-9	Aroclor-1242	36	U
12672-29-6	Aroclor-1248	36	U
11097-69-1	Aroclor-1254	36	U
11096-82-5	Aroclor-1260	36	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MB-63189

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-63189

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E4G8134F.D/E4G8134R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SONC Date Extracted: 11/20/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/21/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup:(Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	33	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-63189(1)

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-63189

Sample wt/vol: 30 (g/mL) G Lab File ID: E4G8135F.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SONC Date Extracted: 11/20/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/21/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup:(Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	110	
11104-28-2	Aroclor-1221	33	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	110	

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-63189(2)

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-63189

Sample wt/vol: 30 (g/mL) G Lab File ID: E4G8135R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SONC Date Extracted: 11/20/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/21/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup:(Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	100	
11104-28-2	Aroclor-1221	33	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	140	

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
LCSD-63189(1)

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCSD-63189

Sample wt/vol: 30 (g/mL) G Lab File ID: E4G8136F.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SONC Date Extracted: 11/20/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/21/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup:(Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	93	
11104-28-2	Aroclor-1221	33	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	100	

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
LCSD-63189(2)

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCSD-63189

Sample wt/vol: 30 (g/mL) G Lab File ID: E4G8136R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SONC Date Extracted: 11/20/2011

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/21/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup:(Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	95	
11104-28-2	Aroclor-1221	33	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	130	

2R - FORM II ARO-2

SOIL AROCLOR SURROGATE RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

GC Column(1): CLPPest ID: 0.53 (mm) GC Column(2): CLPPestII ID: 0.53 (mm)

	CLIENT SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	AOC-1-CS-4	61	64	57 *	84			1
02	AOC-1-CS-5	60	64	47 *	95			1
03	WCS-111711-1	55	60	48 *	91			1
04	MB-63189	69	72	64	91			0
05	LCS-63189	71	75	67	92			0
06	LCSD-63189	65	67	64	84			0

	QC LIMITS
TCX = Tetrachloro-m-xylene	(34-147)
DCB = Decachlorobiphenyl	(60-125)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

som111.10.27.A

SW846

3P - FORM III ARO-4

SOIL AROCLOR LABORATORY CONTROL SAMPLE RECOVERY

CLIENT SAMPLE NO.

LCS-63189

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Lab Sample ID: LCS-63189 LCS Lot No.: a080162

Date Extracted: 11/20/2011 Date Analyzed (1): 11/21/2011

Instrument ID (1): E4 GC Column(1): CLPPest ID: 0.53 (mm)

COMPOUND	AMOUNT ADDED (UG/KG)	AMOUNT RECOVERED (UG/KG)	%REC	#	QC LIMITS
Aroclor-1016	133.3330	105.1184	79		40-140
Aroclor-1260	133.3330	108.8499	82		60-130

Instrument ID (2): E4 GC Column(2): CLPPestII ID: 0.53 (mm)

Date Analyzed (2): 11/21/2011

COMPOUND	AMOUNT ADDED (UG/KG)	AMOUNT RECOVERED (UG/KG)	%REC	#	QC LIMITS
Aroclor-1016	133.3330	104.2674	78		40-140
Aroclor-1260	133.3330	137.5155	103		60-130

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

LCS Recovery: 0 out of 4 outside limits.

COMMENTS:

som111.10.27.A

3P - FORM III ARO-4

SOIL AROCLOR LABORATORY CONTROL

SAMPLE DUPLICATE RECOVERY

CLIENT SAMPLE NO.

LCSD-63189

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Lab Sample ID: LCSD-63189 LCS Lot No.: a080162

Date Extracted: 11/20/2011 Date Analyzed (1): 11/21/2011

Instrument ID (1): E4 GC Column(1): CLPPest ID: 0.53 (mm)

COMPOUND	AMOUNT ADDED (UG/KG)	AMOUNT RECOVERED (UG/KG)	%REC	#	QC LIMITS	%RPD	#	RPD LIMIT
Aroclor-1016	133.3330	92.6526	69		40-140	14		30
Aroclor-1260	133.3330	104.0731	78		60-130	5.0		30

Instrument ID (2): E4 GC Column(2): CLPPestII ID: 0.53 (mm)

Date Analyzed (2): 11/21/2011

COMPOUND	AMOUNT ADDED (UG/KG)	AMOUNT RECOVERED (UG/KG)	%REC	#	QC LIMITS	%RPD	#	RPD LIMIT
Aroclor-1016	133.3330	95.2068	71		40-140	9.0		30
Aroclor-1260	133.3330	130.8760	98		60-130	5.0		30

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

LCS Recovery: 0 out of 4 outside limits.

RPD: 0 out of 4 outside limits.

COMMENTS:

som111.10.27.A

4F - FORM IV ARO

AROCLOR METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MB-63189

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2450 Mod. Ref No.: SDG No.: SK2450

Lab File ID: E4G8134F.D / E4G8134R.D Lab Sample ID: MB-63189

Matrix: (SOIL/SED/WATER) SOIL Extraction: (Type) SONC Date Extracted: 11/20/2011

Sulfur Cleanup: (Y/N) Y GPC Cleanup:(Y/N) N

Acid Cleanup: (Y/N Y

Date Analyzed (1): 11/21/2011 Date Analyzed (2): 11/21/2011

Time Analyzed (1): 13:31 Time Analyzed (2): 13:31

Instrument ID (1): E4 Instrument ID (2): E4

GC Column(1): CLPPest ID: 0.53 (mm) GC Column(2): CLPPestII ID: 0.53 (mm)

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED (1)	DATE ANALYZED (2)
01	AOC-1-CS-4	K2450-01A	11/21/2011	11/21/2011
02	AOC-1-CS-5	K2450-02A	11/21/2011	11/21/2011
03	WCS-111711-1	K2450-03A	11/21/2011	11/21/2011
04	LCS-63189	LCS-63189	11/21/2011	11/21/2011
05	LCSD-63189	LCSD-63189	11/21/2011	11/21/2011

COMMENTS:

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

LaBella Associates

For Lab Project # 11-5141A
Issued December 13, 2011
This report contains a total of 344 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

"<" = analyzed for but not detected at or above the reporting limit.
"E" = Result has been estimated, calibration limit exceeded.
"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.
"V" = Sample concentration is >10 times the spike. No meaningful Spike Recovery can be calculated.
"J" = Any hits present between the reporting limit and half the reporting limit.
"Z" = Please refer to included Case Narrative for explanation.

LAB PROJECT NARRATIVE: 11-5141A
PROJECT NAME: 690 St. Paul St.
SDG: 17006
CLIENT: LaBella Assocaites

Two soil samples were collected by LaBella Associates personnel on 11/29/2011 and received at the Paradigm laboratory on 11/29/2011. Container and holding times were acceptable at time of receipt; the sample was received at 15° Centigrade. The samples were submitted with the Chains-of-Custody requesting TCL list VOCs and SVOCs, Pesticides, and PCBs. TICs were requested and reported on the SVOCs. All analyses were performed using EPA SW-846 methods and holding times.

GENERAL NOTES

ALL ANALYSES

The initial and continuing calibration reports are only evaluated for compounds that are on the sample summary report.

Regarding results on QC summary forms versus included raw data, due to calculations made at the instrument where many significant figures may be used, there may be slight discrepancies between the summary report result and that recorded on the raw data. This does not affect data usability.

VOLATILES and SEMIVOLATILES

Regarding initial calibrations, it should be noted that the Quantitation Report concentrations supplied for the initial calibration reflect the calibration prior to updating. The response factors and areas are correct.

Regarding Quantitation Reports, it should be noted that the "#" symbol that appears on some of the Quantitation Reports is a software artifact and should be disregarded.

VOLATILES

Holding times were met for all samples.

All surrogate recoveries for the samples and associated QC were within acceptable limits, except three of the four surrogates for sample CS-6 (only 1,2-Dichloroethane-d4 was in). The surrogates were out low, flagged with an "*" on the summary form, and a notation was made on the sample report. Matrix interference is suspected.

Site specific QC was not requested on this SDG. The laboratory control sample recovered within acceptance limits.

The method blank was free from contamination within the reportable range.

The instrument tunes passed all criteria.

The internal standards areas and retention times were within acceptance ranges.

All data for the initial calibration was within acceptance limits. Compounds flagged with an "*" on the summary table have been calibrated using a non-average Response Factor calibration curve. The supporting curves are located after the initial calibration table. (see method 8000B, section 7.5.1.2.1).

All continuing calibration data was within acceptance limits.

SEMI-VOLATILES

Holding times were met for all samples.

All surrogate recoveries for the samples and associated QC were within acceptable limits, except 2-Fluorophenol and 2,4,6-Tribromophenol for sample CS-7. They were out low, flagged with an "*" on the summary form, and properly notated on the report form. Matrix interference is suspected.

Site specific QC was not requested on this SDG. The laboratory control sample recovered within acceptance limits.

The method blank was free from contamination within the reportable range.

The instrument tunes passed all criteria.

The internal standards areas and retention times were within acceptance ranges.

All data for the initial calibrations was within acceptance limits. Compounds flagged with an "*" on the summary table have been calibrated using a non-average Response Factor calibration curve. The supporting curves are located after the initial calibration table. (see method 8000B, section 7.5.1.2.1).

All continuing calibration data was within acceptance limits. Atrazine is assessed for adequate sensitivity at the reporting limit by a single point 10 ppm standard. This is usable for determination of "Non-Detects" only.

PESTICIDES AND PCBS

Holding times were met for all samples.

Surrogate recoveries for the PCB and Pesticide analyses were within acceptable limits for all samples and associated QC.

Site specific QC was not requested on this SDG. The laboratory control samples recovered within acceptance limits.

For PCBs for sample CS-6, the extract required a Copper clean-up to address possible Sulfur interferences. An additional method blank has been reported for this reason. The method blanks were free from contamination within the reportable ranges.

The internal standards areas and retention times were within acceptance ranges for the Pesticides.

All data for the initial calibrations were within acceptance limits. The internal acceptance criteria for the initial calibrations was 0.990 or better for each peak.

All continuing calibration data was within acceptable limits.

Where second column confirmation was required for Pesticide hits, a Form 10 including Percent Difference was included. Any second column confirmations that were above the required 40% difference have been flagged with a "*" on the Form 10's and a "C" on the report forms.

(signed)_____ (date) 12/10/04

Bruce Hoogesteger- Technical Director

SDG# : 17006
LAB PROJECT #: 11-5141A
CLIENT: LaBella Assoc.
PROJECT NAME: 690 St. Paul St.

BATCH COMPLETE: 11/29/2011
DATE: 12/9/2011
DATE DUE: 12/15/2011
PROTOCOL: SW846

LAB.SAMPLE#	FIELD ID	MATRIX	REQUESTED ANALYSIS	DATE SAMPLED	DATE REC'D
17006	CS-6	Soil	VOA, SVOA,PEST,PCB	11/29/2011	11/29/2011
17007	CS-7	Soil	VOA, SVOA,PEST,PCB	11/29/2011	11/29/2011

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:

COMPANY: LaBella Assoc
ADDRESS: 300 State St
CITY: Roch STATE: NY ZIP:
PHONE: 454-6110 FAX:
ATTN: Dan Doll

INVOICE TO:

COMPANY: Same
ADDRESS:
CITY: STATE: ZIP:
PHONE: FAX:
ATTN:

LAB PROJECT #: 11-5141A
CLIENT PROJECT #: 209280

TURNAROUND TIME: (WORKING DAYS)
ASAP
STD OTHER
1 2 3 5

PROJECT NAME/SITE NAME: 690 St. Paul St.

COMMENTS: ASP Cat B per DN as per JD 11/29. +EDD. EAH 11/29

Quotation # 1 day voas 2 day svoa, pest, pcb per lab. OK DN/JD 11/29 EAH 11/29

per DN/JD 11/29

REQUESTED ANALYSIS

	DATE	TIME (per DN/JD 11/29)	COMPOSITE (EAH 11/29)	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER OF CONTAINERS	TCL VOCs (TICs)	TCL SVOCs (TICs)	Pesticides	PCB	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	11/29/11	1030		X	CS-6	Soil	2	X	X	X	X	Use SW-846 Lists,	17006
2	11/29/11	1035		X	CS-7	Soil	2	X	X	X	X	DL's, Holding times	17007
3	11/29/11											per DN/JD 11/29.	
4	11/29/11												
5													
6													
7													
8													
9													
10													

LAB USE ONLY BELOW THIS LINE

Samples delivered by LaBella so custody seals N/A. EAH 11/29

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type: Amber Glass	Y ☒	N ☐
Preservation: N/A	Y ☐	N ☐
Holding Time:	Y ☒	N ☐
Temperature: 15°C @ 1220 11/29/11 - from samples	Y ☒	N ☐

Rec'd within 6 hrs of sampling & so temp compliant. EAH 11/29

Dan Doll	11/29/11	Sampled By / Date/Time
Joe Jurkowski	11/29/11 @ 11:43	Relinquished By / Date/Time
[signature]	11/29/11 1143	Received By / Date/Time
Elizabeth A Homch	11/29/11 1225	Received @ Lab By / Date/Time

Total Cost:

P.I.F.

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

Lab Project #: 11-5141A Client: LaBella

Internal Chain of Custody

Sign-Out Log for Refrigerator: Δ

Sample #	Container Code:	Initials	Date/Time Out:	Date/Time In:
17006	63	edf	11/29/11 1330	11/29/11 1356
↓	61	BB	11/29/11 1239	11/29/11 1253
17007	63	edf	11/29/11 1330	11/29/11 1350
↓	61	BB	11/29/11 1239	11/29/11 1253
17006	63	JD	11/29/11 1649	11/29/11 1655
17007	↓	↓	↓	↓
				↓ edf 11/30
17006	63	edf	11/30/11 0830	11/30/11 0845
17007	63	↓	↓	↓ ↓

Lab Project Number	Lab Sample Number	Client/Project Name/Number	Log in Date	Log in Time	Matrix	Log in Init.	pH	Temp	Sample By	Sample Date & Time	Organic Analysis	Metal Analysis	Rotation Tasks	Sub-Out Analysis	Cont. Code
Cont'd 11-5134	16985	[redacted]	11/28	1440	soil	NP	NA	6°C iced	client	11/21	8260 ☆				G2
	16986		↓	↓	↓	↓	↓	↓	↓	↓	↓				↓
	16987		↓	↓	↓	↓	↓	↓	↓	↓	↓				↓
11-5135	16988		11/28	1600	oil	EAH	NA	12°C iced	Client	11/28	PCB				VU
	16989		↓	↓	↓	↓	↓	↓	↓	↓	↓				↓
	16990		↓	↓	↓	↓	↓	↓	↓	↓	↓				↓
11-5136A	16991		11/28	1630	W	EAH	Var	10°C iced	Client	11/28	8260 TCL ASP 2008 + ☆ + TICS; 8270 ABN ASP 2008, Pest, PCB	TAL Metals		TCN	(3) SS, (2) PB, VI, V2
	16992		↓	↓	↓	↓	↓	↓	↓	↓	↓	↓		↓	↓
	16993		↓	↓	↓	↓	↓	↓	↓	↓	↓	↓			↓
	16994		↓	↓	↓	↓	↓	↓	↓	↓	↓	↓			↓
	16995		↓	↓	↓	↓	↓	↓	↓	↓	↓	↓			↓
11-5137	16996		11/28	1705	air	EAH	NA	NA	Client	11/28			+ dust		A
11-5138	16997		11/28	1710	air	EAH	NA	NA	Client	11/28			+ dust		A
	16998		↓	↓	↓	↓	↓	↓	↓	↓			↓		↓
	16999		↓	↓	↓	↓	↓	↓	↓	↓			↓		↓
	~~16700~~ 17000 ee EAH 11/28		↓	↓	↓	↓	↓	↓	↓	↓			↓		↓
	17001		↓	↓	↓	↓	↓	↓	↓	↓			↓		↓
11-5139	17002		11/29	1155	W	EAH	<2	~~EAH~~ 20°C ee EAH 11/29	Client	11/19		Zn			M2
	17003		↓	↓	↓	↓	↓	↓	↓	↓		Zn, Ni			↓
11-5140	17004		11/29	1210	soil	EAH	NA	15°C	Client	11/29	PCB, TPH 310.13				M6, 63
	17005		↓	↓	↓	↓	↓	↓	↓	↓	↓				↓
11-5141A	17006	Labella 690 St. CS-6	11/29	1225	soil	EAH	NA	15°C	Client	11/29	8260 TCL + VOA TICS; 8270 ABN, SVOA TICS, PCB, Pest				63, 61
	17007	Paul St. ↓ 7	↓	↓	↓	↓	↓	↓	↓	↓	↓				↓

Percent Moisture Prep Log

% Moisture = (Wet Weight - Dry Weight) / (Wet weight - Pan Weight)

Date	Container Code	Sample #	Pan Weight	Wet Weight	Dry Weight	Wet Weight - Pan Weight	Percent Moisture	Initials
11/29/11	G3	17052	1.61	6.57	5.89	4.96	13.7	JD
cont.	↓	17053	1.63	7.04	6.28	5.41	14.0	|
	S3	17023	1.65	9.75	8.20	8.10	19.1	|
	|	17024	1.60	9.06	7.52	7.46	20.6	|
	|	17025	1.62	6.59	5.67	4.97	18.5	|
	|	17026	1.58	6.81	5.84	5.23	18.5	|
	↓	17027	1.59	6.95	6.07	5.36	16.4	|
	G3	17006	1.62	7.94	7.43	6.32	8.07	|
	G3	17007	1.62	7.92	7.14	6.30	12.4	|
	G3	17047 DUP	1.56	7.32	6.40	5.76	16.0	|
	S3	17026 DUP	1.57	7.41	6.35	5.84	18.2	↓
11/30/11	G2	17063	1.54	6.70	6.16	5.16	10.5	JD
	PB	17081	1.55	6.28	5.87	4.73	8.67	|
	G2	17082	1.54	6.82	3.34	5.28	65.9	|
	G3-1	17097	1.55	7.37	1.64	5.82	98.5, 1.5% solids	|
	G2	17098	1.54	6.71	6.00	5.17	13.7	|
	G2	17099	1.57	6.79	6.05	5.22	14.2	|
	G3	17100	1.61	6.63	5.62	5.02	20.1	|
	G3	17101	1.58	6.82	6.00	5.24	15.6	|
	PB	17102	1.58	7.00	6.77	5.42	4.24	|
	↓	17102 DUP	1.58	7.05	6.87	5.47	3.29	↓
12/1/11	G2	17113	1.57	6.57	5.60	5.00	19.4	JD
	↓	17114	1.59	7.56	6.31	5.97	20.9	|
	↓	17115	1.58	6.97	6.38	5.39	10.9	|
	G3	17130	1.55	7.32	6.68	5.77	11.1	|
	|	17131	1.56	12.56	11.28	11.00	11.6	|
	|	17132	1.57	7.31	6.81	5.74	8.71	|
	|	17133	1.57	6.67	6.24	5.10	8.43	|
	|	17134	1.55	7.07	6.59	5.52	8.70	|
	|	17136	1.57	6.69	6.69	5.12	0.00	|
	↓	17136 DUP	1.58	6.63	6.63	5.05	0.00	|
	G2	17153	1.57	6.60	5.88	5.03	14.3	|
	↓	17165	1.59	7.04	6.23	5.45	14.9	✓
12/2/11	G2	17178	1.56	8.24	7.65	6.68	8.83	JD /BH
	↓	17182	1.55	7.22	6.58	5.67	11.3	|
	↓	17183	1.58	6.89	6.24	5.31	12.2	|
	G2	17183 DUP	1.56	6.66	6.04	5.10	12.2	|
	↓	17225	1.58	8.54	7.59	6.96	13.6	|
	↓	17226	1.57	10.11	8.68	8.54	16.7	↓

VOLATILE ORGANICS

QC SUMMARY

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Client Project #: 209280

Lab Project #: 11-5141A SDG No.: 17006

Client Project Name: 690 St. Paul St.

Level: (low/med) low

	SAMPLE NO.	SMC1 (PFB)	SMC2 (DCE)	SMC3 (TOL)	SMC4 (BFB)	TOT OUT
01	Soil LRB 11/29	96.4	86.1	88.4	85.2	0
02	Soil LCS 11/29	101	86.8	98.4	96.4	0
03	CS-6 17006	86.4 *	77.4	82.2 *	75.7 *	3
04	CS-7 17007	95.5	86.9	89.7	85.8	0
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

	QC LIMITS %
SMC1 (PFB) = Pentafluorobenzene	(89.5-117)
SMC2 (DCE) = 1,2-Dichloroethane-d4	(63.6-106)
SMC3 (TOL) = Toluene-d8	(85.0-106)
SMC4 (BFB) = 4-Bromofluorobenzene	(78.8-99.4)

* Values outside of current required QC limits

D System Monitoring Compound diluted out

FORM II VOA-2

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella Associates

Client Job Site: 690 St. Paul St.
Client Job Number: 209280
Field Location: N/A
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5141A
Lab Sample Number: Soil LCS 11/29
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 11/29/2011

SDG# : 17006

Spiked Compound	Blank Results in ug / Kg	LCS Spiked in ug / Kg	LCS Results in ug / Kg	LCS Percent Recovery	MSD Spiked in ug / Kg	MSD Results in ug / Kg	MSD Percent Recovery	MS / MSD % RPD
1,1-Dichloroethene	< 4.00	100	109	109	N/A	N/A	N/A	N/A
Benzene	< 4.00	100	105	105	N/A	N/A	N/A	N/A
Trichloroethene	< 4.00	100	98.5	98.5	N/A	N/A	N/A	N/A
Toluene	< 4.00	100	98.9	98.9	N/A	N/A	N/A	N/A
Chlorobenzene	< 4.00	100	98.1	98.1	N/A	N/A	N/A	N/A

ELAP Number 10958 Data File: V93733.D Data File: V93732.D Method: EPA 8260B

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Volatile Analysis QC Limits

Limits effective: Oct 27,2011
Through: Dec 31,2011

Spiked Compound	Soil Spike Limits		Soil % RPD Limits		Water Spike Limits		Water % RPD Limits	
	Lower %	Upper %	Lower %	Upper %	Lower %	Upper %	Lower %	Upper %
1,1-Dichloroethene	78.8	110	0	12.9	76.6	109	0	9.91
Benzene	88.5	107	0	11.1	87.6	106	0	12.9
Trichloroethene	85.7	109	0	13.6	84.1	108	0	13.6
Toluene	85.8	107	0	13.2	81.8	110	0	20.7
Chlorobenzene	85.7	105	0	10.6	85.4	104	0	10.4

Surrogate	Soil Surrogate Limits				Water Surrogate Limits			
	Lower %	Upper %			Lower %	Upper %		
Pentafluorobenzene	89.5	117			89.4	116		
1,2-Dichloroethane-d4	63.6	106			65.8	106		
Toluene-D8	85.0	106			87.2	107		
4-Bromofluorobenzene	78.8	99.4			83.6	96.9		

ELAP Number 10958

Method: EPA 8260B

Note: When the lower acceptance limit is calculated to be below 10% recovery, a warning limit of 10% is established. Recoveries between the lower acceptance limit and the warning limit will be investigated, but will not invalidate the batch.

4A

VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

Soil LRB 11/29

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Lab Project #: 11-5141A Client Project #: 209280 SDG No.: 17006

Client Project Name: 690 St. Paul St.

Lab File ID: V93733.D Lab Sample ID: Soil LRB 11/29

Date Analyzed: 11/29/2011 Time Analyzed: 12:54

GC Column: microbore ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: Instrument #1

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	N/A	Soil LCS 11/29	V93732.D	12:30
02	CS-6	17006	V93752.D	20:25
03	CS-7	17007	V93753.D	20:49
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

COMMENTS:

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE(BFB)

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Lab Project #: 11-5141A Client Project #: 209280 SDG#: 17006

Client Project Name: 690 St. Paul St.

Lab File ID: V93583.D BFB Injection Date: 11/21/2011

Instrument ID: Instrument #1 BFB Injection Time: 12:59

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0-40.0% of mass 95	16.7
75	30.0-60.0% of mass 95	46.9
95	Base peak, 100%relative abundance	100.0
96	5.0-9.0% of mass 95	6.8
173	Less then 2.0% of mass 174	0.0 (0.0)1
174	50.0-100.0% of mass 95	88.8
175	5.0-9.0% of mass 174	6.4 (7.2)1
176	95.0-101.0% of mass 174	86.7 (97.6)1
177	5.0-9.0% of mass176	5.7 (6.6)2

1-Value is % mass 174 2-Value is % mass 176

This check applies to the following Samples, MS, MSD, Blanks & Standards

	Client Sample #	Lab Sample #	Lab File ID	Date Analyzed	Time Analyzed
1	N/A	1ppb mega Cal	V93584.D	11/21/2011	13:22
2	N/A	5ppb mega Cal	V93585.D	11/21/2011	13:45
3	N/A	20ppb mega Cal	V93586.D	11/21/2011	14:08
4	N/A	50ppb mega Cal	V93587.D	11/21/2011	14:31
5	N/A	100ppb mega Cal	V93588.D	11/21/2011	14:54
6	N/A	150ppb mega Cal	V93589.D	11/21/2011	15:17
7	N/A	200ppb mega Cal	V93590.D	11/21/2011	15:40
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE(BFB)

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Lab Project #: 11-5141A Client Project #: 209280 SDG#: 17006

Client Project Name: 690 St. Paul St.

Lab File ID: V93730.D BFB Injection Date: 11/29/2011

Instrument ID: Instrument #1 BFB Injection Time: 11:44

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0-40.0% of mass 95	17.7
75	30.0-60.0% of mass 95	46.2
95	Base peak, 100%relative abundance	100.0
96	5.0-9.0% of mass 95	6.6
173	Less then 2.0% of mass 174	0.7 (0.8)1
174	50.0-100.0% of mass 95	86.1
175	5.0-9.0% of mass 174	6.5 (7.6)1
176	95.0-101.0% of mass 174	82.3 (95.6)1
177	5.0-9.0% of mass176	5.4 (6.6)2

1-Value is % mass 174 2-Value is % mass 176

This check applies to the following Samples, MS, MSD, Blanks & Standards

	Client Sample #	Lab Sample #	Lab File ID	Date Analyzed	Time Analyzed
1	N/A	50ppb mega CC	V93731.D	11/29/2011	12:07
2	N/A	Soil LRB 11/29	V93733.D	11/29/2011	12:54
3	N/A	Soil LCS 11/29	V93732.D	11/29/2011	12:30
4	CS-6	17006	V93752.D	11/29/2011	20:25
5	CS-7	17007	V93753.D	11/29/2011	20:49
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Lab Project #: 11-5141A Client Project #: 209280 SDG#: 17006

Client Project Name: 690 St. Paul St.

Lab File ID: V93731.D Date Analyzed: 11/29/2011

Instrument ID: Instrument #1 Time Analyzed: 12:07

Heated Purge: Y

		IS1	FB	IS2	CB	IS3	1,4-DCB
		AREA	RT	AREA	RT	AREA	RT
	12 HOUR STD	353763	5.08	256003	8.02	126258	10.56
	UPPER LIMIT	707526	5.58	512006	8.52	252516	11.06
	LOWER LIMIT	176882	4.58	128002	7.52	63129	10.06
	LAB SAMPLE#						
1	Soil LRB 11/29	367371	5.08	266841	8.02	139261	10.56
2	Soil LCS 11/29	364178	5.08	263801	8.02	127760	10.56
3	17006	356133	5.08	256119	8.02	122030	10.56
4	17007	363612	5.08	261421	8.02	127771	10.56
5							
6							
7							
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17							
18							
19							
20							
21							
22							

IS1=Fluorobenzene

IS2=Chlorobenzene-d5

IS3=1,4-Dichlorobenzene-d4

AREA UPPER LIMIT=+100% of internal standard area

AREA LOWER LIMIT=-50% of internal standard area

RT UPPER LIMIT=+.50 minutes of internal standard RT

RT LOWER LIMIT=-.50 minutes of internal standard RT

*Values outside of QC limits

Instrument:	73 VOA
Matrix:	Soil
Date Run:	03/08/2011 - 03/10/2011
Target (in ppb)	0.50
Acetone, 2-CEVE	1.00
TBA	100.00
1,4-dioxane	25.00

		MDL1	MDL2	MDL3	MDL4	MDL5	MDL6	MDL7				
	Compound	Data File: V82837.D	Data File: V82838.D	Data File: V82839.D	Data File: V82840.D	Data File: V82841.D	Data File: V82842.D	Data File: V82843.D	Standard Deviation	MDL	Pass / Fail 10% Rule	Pass / Fail <Spk. Rule
2	Dichlorodifluoromethane	1.014	1.195	1.183	1.178	1.049	1.194	1.222	0.0814	0.256		
3	Chloromethane	0.419	0.607	0.647	0.638	0.515	0.588	0.593	0.0800	0.251		
4	Vinyl chloride	0.379	0.519	0.474	0.487	0.389	0.527	0.467	0.0584	0.184		
5	Bromomethane	0.506	0.672	0.708	0.656	0.537	0.620	0.599	0.0729	0.229		
6	Chloroethane	0.429	0.532	0.599	0.514	0.339	0.466	0.624	0.0988	0.310		
7	Trichlorofluoromethane	0.434	0.644	0.616	0.627	0.491	0.650	0.620	0.0847	0.266		
8	Ethyl ether	0.344	0.540	0.471	0.528	0.443	0.458	0.441	0.0649	0.204		
9	Freon 113	0.327	0.521	0.574	0.542	0.399	0.528	0.503	0.0885	0.278		
10	1,1-Dichloroethene	0.404	0.488	0.502	0.521	0.395	0.487	0.485	0.0489	0.154		
11	Acetone	5.950	5.160	5.740	5.820	5.140	5.440	5.280	0.3316	1.042		Fail
12	Carbon disulfide	0.329	0.500	0.493	0.508	0.385	0.474	0.479	0.0683	0.215		
13	Methyl acetate	0.892	1.040	0.969	0.732	0.808	0.969	0.700	0.1296	0.407		
14	Methylene chloride	2.439	2.801	2.684	2.673	2.620	2.661	2.555	0.1135	0.357		
15	Acrylonitrile	0.682	0.692	0.813	0.774	0.722	0.706	0.812	0.0558	0.175		
16	tert-Butyl Alcohol	118.860	109.480	101.480	105.220	106.620	110.290	96.460	7.1000	22.315		
17	Methyl tert-butyl Ether	0.406	0.531	0.544	0.582	0.433	0.519	0.570	0.0672	0.211		
18	trans-1,2-Dichloroethene	0.342	0.494	0.542	0.617	0.384	0.491	0.582	0.1001	0.315		
19	1,1-Dichloroethane	0.332	0.535	0.518	0.541	0.384	0.451	0.489	0.0802	0.252		
20	Vinyl acetate	0.399	0.519	0.521	0.577	0.432	0.545	0.488	0.0629	0.198		
21	2,2-Dichloropropane	0.370	0.537	0.495	0.510	0.448	0.488	0.523	0.0570	0.179		
22	2-Butanone	0.696	0.863	0.776	0.760	0.701	0.632	0.809	0.0779	0.245		
23	cis-1,2-Dichloroethene	0.341	0.535	0.493	0.471	0.411	0.461	0.489	0.0634	0.199		
24	Bromochloromethane	0.328	0.538	0.512	0.644	0.428	0.569	0.573	0.1046	0.329		
25	Chloroform	0.352	0.558	0.482	0.548	0.440	0.495	0.510	0.0704	0.221		
26	Pentafluorobenzene	0.382	0.569	0.519	0.547	0.469	0.481	0.499	0.0612	0.192		
27	Tetrahydrofuran	0.650	0.993	0.897	0.959	0.857	0.811	0.746	0.1204	0.378		
28	1,1,1-Trichloroethane	0.362	0.530	0.527	0.522	0.417	0.485	0.536	0.0679	0.213		
29	1,2-Dichloroethane-d4	0.460	0.610	0.569	0.620	0.523	0.536	0.595	0.0568	0.179		
30	Carbon Tetrachloride	0.355	0.526	0.490	0.494	0.353	0.431	0.474	0.0689	0.217		
31	Benzene	0.408	0.573	0.537	0.553	0.425	0.512	0.539	0.0645	0.203		
32	1,2-Dichloroethane	0.381	0.597	0.568	0.590	0.449	0.568	0.537	0.0813	0.255		
33	Trichloroethene	0.388	0.483	0.499	0.542	0.402	0.483	0.514	0.0569	0.179		
34	Methylcyclohexane	0.296	0.399	0.433	0.408	0.343	0.384	0.443	0.0516	0.162		
36	1,2-Dichloropropane	0.394	0.498	0.572	0.582	0.468	0.500	0.480	0.0639	0.201		
38	Dibromomethane	0.385	0.522	0.549	0.512	0.434	0.456	0.499	0.0573	0.180		
39	Bromodichloromethane	0.329	0.454	0.441	0.473	0.381	0.393	0.449	0.0514	0.161		
40	2-Chloroethyl vinyl Ether	2.260	2.450	2.350	2.440	2.370	2.190	2.130	0.1231	0.387		

42	1,1-Dichloropropene	0.331	0.537	0.478	0.557	0.404	0.476	0.503	0.0783	0.246
43	cis-1,3-Dichloropropene	0.278	0.422	0.419	0.415	0.347	0.417	0.426	0.0563	0.177
44	4-Methyl-2-pentanone	0.392	0.481	0.485	0.574	0.415	0.476	0.513	0.0603	0.190
45	Toluene-D8	0.341	0.515	0.456	0.497	0.365	0.454	0.460	0.0648	0.204
46	Toluene	0.448	0.551	0.548	0.574	0.448	0.491	0.554	0.0532	0.167
47	trans-1,3-Dichloropropene	0.302	0.432	0.425	0.422	0.341	0.366	0.354	0.0498	0.157
48	1,1,2-Trichloroethane	0.400	0.567	0.571	0.618	0.478	0.565	0.537	0.0725	0.228
49	1,3-Dichloropropane	0.392	0.569	0.504	0.599	0.429	0.521	0.506	0.0729	0.229
50	Tetrachloroethene	0.325	0.542	0.484	0.487	0.376	0.473	0.469	0.0742	0.233
51	2-Hexanone	0.329	0.457	0.399	0.449	0.281	0.368	0.390	0.0629	0.198
52	Dibromochloromethane	0.254	0.425	0.431	0.483	0.355	0.438	0.436	0.0757	0.238
53	1,2-Dibromoethane	0.375	0.519	0.490	0.585	0.437	0.419	0.484	0.0692	0.217
55	Chlorobenzene	0.378	0.531	0.536	0.578	0.400	0.491	0.530	0.0749	0.236
56	1,1,1,2-Tetrachloroethane	0.361	0.465	0.518	0.460	0.393	0.426	0.466	0.0524	0.165
57	Ethylbenzene	0.339	0.490	0.486	0.483	0.383	0.442	0.464	0.0584	0.183
58	m,p-Xylene	0.653	0.935	0.891	0.959	0.678	0.796	0.908	0.1244	0.391
59	o-Xylene	0.339	0.472	0.417	0.511	0.321	0.452	0.417	0.0686	0.216
60	Styrene	0.307	0.435	0.418	0.451	0.323	0.393	0.367	0.0551	0.173
61	Bromoform	0.346	0.508	0.492	0.457	0.395	0.427	0.482	0.0582	0.183
62	Isopropylbenzene	0.303	0.433	0.396	0.426	0.332	0.385	0.407	0.0485	0.152
63	1,2,3-Trichloropropane	0.462	0.543	0.666	0.660	0.531	0.615	0.672	0.0816	0.257
64	4-Bromofluorobenzene	0.396	0.495	0.439	0.464	0.369	0.459	0.430	0.0426	0.134
65	Bromobenzene	0.345	0.509	0.461	0.493	0.342	0.473	0.466	0.0688	0.216
66	1,1,2,2-Tetrachloroethane	0.455	0.588	0.582	0.645	0.449	0.537	0.582	0.0727	0.229
67	n-Propylbenzene	0.297	0.414	0.384	0.439	0.317	0.379	0.382	0.0503	0.158
68	2-Chlorotoluene	0.407	0.463	0.518	0.441	0.316	0.432	0.522	0.0705	0.222
69	4-Chlorotoluene	0.431	0.493	0.517	0.566	0.331	0.384	0.735	0.1332	0.419
70	1,3,5-Trimethylbenzene	0.380	0.393	0.442	0.430	0.280	0.331	0.461	0.0648	0.204
71	tert-Butylbenzene	0.400	0.473	0.480	0.476	0.306	0.402	0.530	0.0742	0.233
72	1,2,4-Trimethylbenzene	0.369	0.416	0.444	0.460	0.315	0.358	0.445	0.0543	0.171
73	sec-Butylbenzene	0.325	0.430	0.419	0.430	0.283	0.396	0.428	0.0596	0.187
74	p-Isopropyltoluene	0.419	0.458	0.497	0.483	0.351	0.417	0.497	0.0535	0.168
76	1,3-Dichlorobenzene	0.323	0.497	0.480	0.454	0.384	0.422	0.504	0.0662	0.208
77	1,4-Dichlorobenzene	0.342	0.497	0.518	0.538	0.402	0.467	0.481	0.0689	0.217
78	n-Butylbenzene	0.336	0.403	0.405	0.398	0.316	0.353	0.411	0.0387	0.122
79	1,2-Dichlorobenzene	0.374	0.503	0.449	0.468	0.377	0.391	0.476	0.0523	0.164
81	1,2-Dibromo-3-Chloropropa	0.485	0.625	0.537	0.550	0.458	0.725	0.492	0.0935	0.294
82	1,2,4-Trichlorobenzene	0.329	0.420	0.430	0.377	0.301	0.306	0.389	0.0529	0.166
83	1,2,3-Trichlorobenzene	0.317	0.431	0.435	0.411	0.299	0.325	0.422	0.0603	0.190
84	Hexachlorobutadiene	0.347	0.483	0.512	0.493	0.371	0.503	0.498	0.0686	0.216
85	Naphthalene	0.400	0.456	0.463	0.471	0.350	0.441	0.468	0.0447	0.141
86	Cyclohexane	0.300	0.462	0.518	0.445	0.431	0.527	0.455	0.0749	0.235
87	1,4-dioxane	34.610	29.760	35.390	25.120	31.740	28.670	31.290	3.5226	11.071

VOLATILE ORGANICS

SAMPLE DATA

PARADIGM
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc

Client Job Site: 690 St. Paul St.
Client Job Number: 209280
Field Location: CS-6
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5141A
Lab Sample Number: 17006
Date Sampled: 11/29/2011
Date Received: 11/29/2011
Date Analyzed: 11/29/2011

Halocarbons	Results in ug / Kg
Bromodichloromethane	< 3.96
Bromomethane	< 3.96
Bromoform	< 9.89
Carbon Tetrachloride	< 3.96
Chloroethane	< 3.96
Chloromethane	< 3.96
2-Chloroethyl vinyl Ether	< 19.8
Chloroform	< 3.96
Dibromochloromethane	< 3.96
1,1-Dichloroethane	< 3.96
1,2-Dichloroethane	< 3.96
1,1-Dichloroethene	< 3.96
cis-1,2-Dichloroethene	18.9
trans-1,2-Dichloroethene	J 2.05
1,2-Dichloropropane	< 3.96
cis-1,3-Dichloropropene	< 3.96
trans-1,3-Dichloropropene	< 3.96
Methylene chloride	< 9.89
1,1,2,2-Tetrachloroethane	< 3.96
Tetrachloroethene	< 3.96
1,1,1-Trichloroethane	< 3.96
1,1,2-Trichloroethane	< 3.96
Trichloroethene	16.4
Trichlorofluoromethane	< 3.96
Vinyl chloride	< 3.96

Aromatics	Results in ug / Kg
Benzene	10.6
Chlorobenzene	< 3.96
Ethylbenzene	4.34
Toluene	< 3.96
m,p-Xylene	J 3.95
o-Xylene	< 3.96
Styrene	< 9.89
1,2-Dichlorobenzene	< 3.96
1,3-Dichlorobenzene	< 3.96
1,4-Dichlorobenzene	< 3.96

Ketones	Results in ug / Kg
Acetone	39.0
2-Butanone	< 19.8
2-Hexanone	< 9.89
4-Methyl-2-pentanone	< 9.89

Miscellaneous	Results in ug / Kg
Carbon disulfide	6.51
Vinyl acetate	< 9.89

ELAP Number 10958 Method: EPA 8260B Data File: V93752.D

Comments: ug / Kg = microgram per Kilogram
Surrogate outliers indicate probable matrix interference

Signature: _____
Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc

Client Job Site: 690 St. Paul St.
Client Job Number: 209280
Field Location: CS-6
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5141A
Lab Sample Number: 17006

Date Sampled: 11/29/2011
Date Received: 11/29/2011
Date Analyzed: 11/29/2011

Tentatively Identified Compounds	CAS Number	Retention Time	Results in ug / Kg	Percent Fit
Unknown Cyclohexane	N/A	6.88	25.1	N/A
Unknown Cyclohexane	N/A	7.76	13.1	N/A
Unknown Cyclohexane	N/A	8.64	15.8	N/A
Unknown Alkane	N/A	9.01	18.6	N/A
Unknown	N/A	9.46	28.5	N/A
Unknown	N/A	9.62	11.5	N/A
Unknown	N/A	9.68	13.1	N/A
Unknown Aromatic	N/A	10.96	42.1	N/A
Unknown Aromatic	N/A	11.18	22.3	N/A
Unknown Cyclohexane	N/A	11.32	15.6	N/A
Unknown	N/A	11.69	39.6	N/A
Unknown	N/A	11.84	23.7	N/A
Unknown	N/A	11.93	33.2	N/A
Unknown Aromatic	N/A	12.01	11.3	N/A
Unknown	N/A	12.36	21.6	N/A
Unknown Alkane	N/A	12.51	31.8	N/A
Unknown Alkane	N/A	13.13	26.7	N/A
Unknown Alkane	N/A	13.21	13.8	N/A
Unknown Alkane	N/A	14.11	22.2	N/A

ELAP Number 10958 Method: EPA 8260B Data File: V93752.D

Comments: ug / Kg = microgram per Kilogram

Surrogate outliers indicate probable matrix interference

Signature: _____
Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

5141A LaBella Quantitation Report (Not Reviewed)

Data File: C:\msdchem\1\DATA\111129\V93752.D
DataAcq Meth:8260RUN.M
Acq On : 29 Nov 2011 8:25 pm
Sample : SOIL #17006
Misc : Soil 2.75g
ALS Vial : 24 Sample Multiplier: 1

Operator: Bill Brew
Inst : Instrument #1

Quant Time: Nov 30 07:09:36 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE

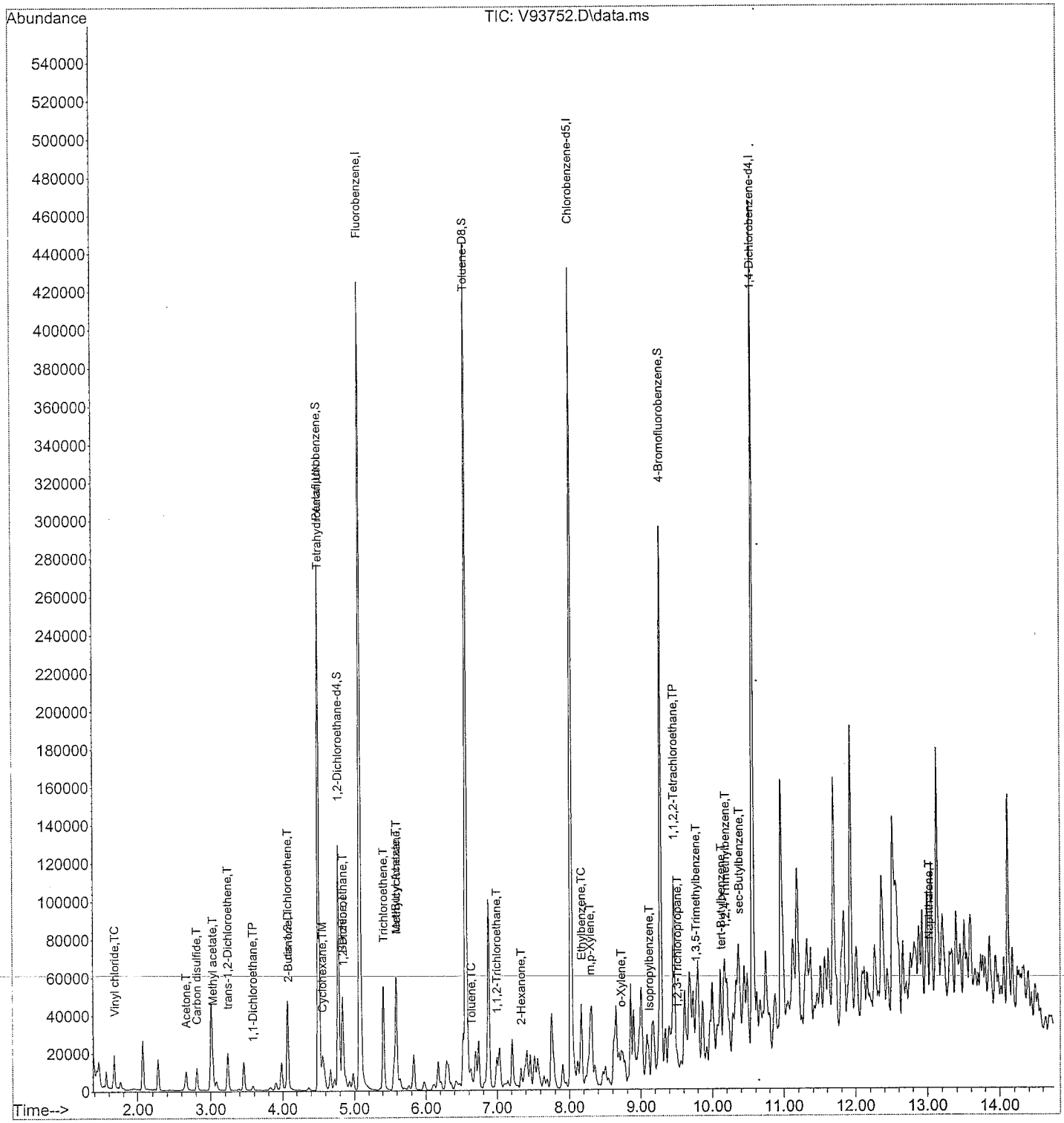
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.079	96	356133	50.00	ug/L	0.00
54) Chlorobenzene-d5	8.024	117	256119	50.00	ug/L	0.00
75) 1,4-Dichlorobenzene-d4	10.559	152	122030	50.00	ug/L	0.00
System Monitoring Compounds						
26) Pentafluorobenzene	4.507	168	165552	43.19	ug/L	0.00
Spiked Amount 50.000	Range 90 - 117		Recovery = 86.38%#			
29) 1,2-Dichloroethane-d4	4.780	65	81613	38.71	ug/L	0.00
Spiked Amount 50.000	Range 64 - 106		Recovery = 77.42%			
45) Toluene-D8	6.562	98	285665	41.08	ug/L	0.00
Spiked Amount 50.000	Range 85 - 106		Recovery = 82.16%#			
64) 4-Bromofluorobenzene	9.279	95	99907	37.84	ug/L	0.00
Spiked Amount 50.000	Range 79 - 99		Recovery = 75.68%#			
Target Compounds						Qvalue
4) Vinyl chloride	1.679	62	1600	0.91	ug/L	91
11) Acetone	2.661	43	11222	19.70	ug/L	98
12) Carbon disulfide	2.810	76	14025	3.29	ug/L	99
13) Methyl acetate	3.029	43	10698	11.50	ug/L m	56
14) Methylene chloride	3.013	84	15575	Below Cal		98
18) trans-1,2-Dichloroethene	3.237	61	2307	1.04	ug/L	95
19) 1,1-Dichloroethane	3.584	63	1724	0.58	ug/L	97
22) 2-Butanone	4.081	72	492	2.49	ug/L #	61
23) cis-1,2-Dichloroethene	4.075	96	19426	9.53	ug/L #	86
27) Tetrahydrofuran	4.513	42	1908	2.40	ug/L m	28
31) Benzene	4.838	78	37636	5.38	ug/L	100
32) 1,2-Dichloroethane	4.844	62	1037	0.43	ug/L	91
33) Trichloroethene	5.415	130	17413	8.29	ug/L	99
34) Methylcyclohexane	5.596	83	21085	6.46	ug/L	91
46) Toluene	6.632	91	4591	0.58	ug/L	97
48) 1,1,2-Trichloroethane	6.994	97	6408	3.95	ug/L #	18
51) 2-Hexanone	7.336	43	1983	1.84	ug/L #	1
57) Ethylbenzene	8.169	91	19633	2.19	ug/L	98
58) m,p-Xylene	8.291	106	6381	2.00	ug/L	90
59) o-Xylene	8.713	106	2512	0.77	ug/L #	80
62) Isopropylbenzene	9.118	105	7540	0.86	ug/L	96
63) 1,2,3-Trichloropropane	9.508	110	801	1.38	ug/L m	1
66) 1,1,2,2-Tetrachloroethane	9.460	83	6860	3.70	ug/L #	56
70) 1,3,5-Trimethylbenzene	9.770	105	3233	0.44	ug/L	100
71) tert-Butylbenzene	10.122	134	598	0.35	ug/L #	88
72) 1,2,4-Trimethylbenzene	10.181	105	5552	0.75	ug/L	96
73) sec-Butylbenzene	10.373	105	4865	0.52	ug/L	99
85) Naphthalene	13.025	128	7647	1.11	ug/L #	74
86) Cyclohexane	4.561	56	9841	3.18	ug/L #	81
88) tert-Butyl Acetate	5.591	57	6303	4.97	ug/L #	31

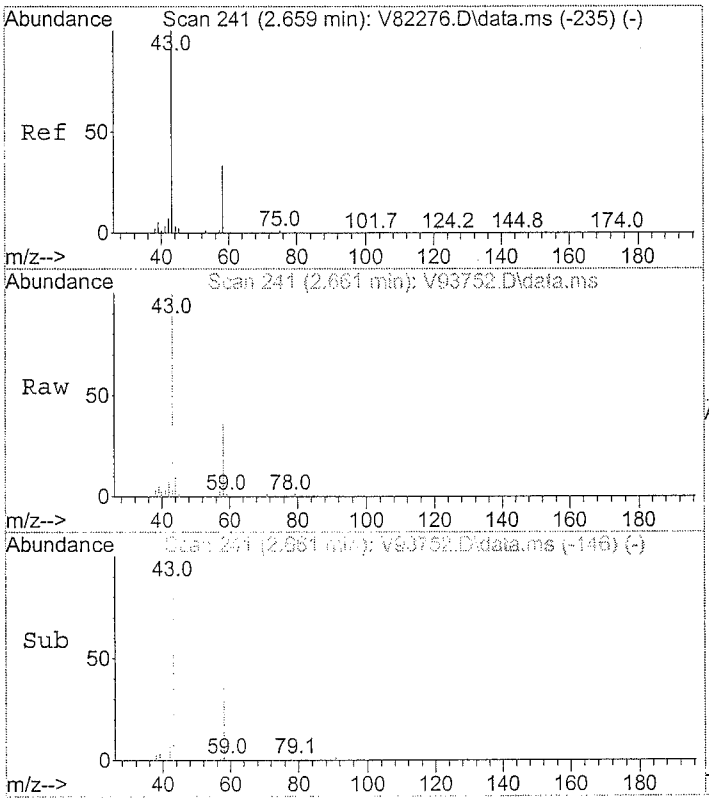
(#) = qualifier out of range (m) = manual integration (+) = signals summed

11/30 MS

Data File: C:\msdchem\1\DATA\111129\V93752.D
DataAcq Meth:8260RUN.M
Acq On : 29 Nov 2011 8:25 pm Operator: Bill Brew
Sample : SOIL #17006 Inst : Instrument #1
Misc : Soil 2.75g
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 30 07:09:36 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE

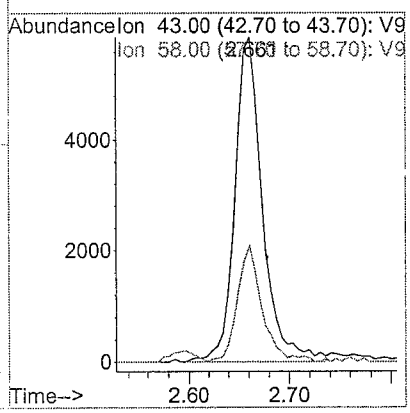




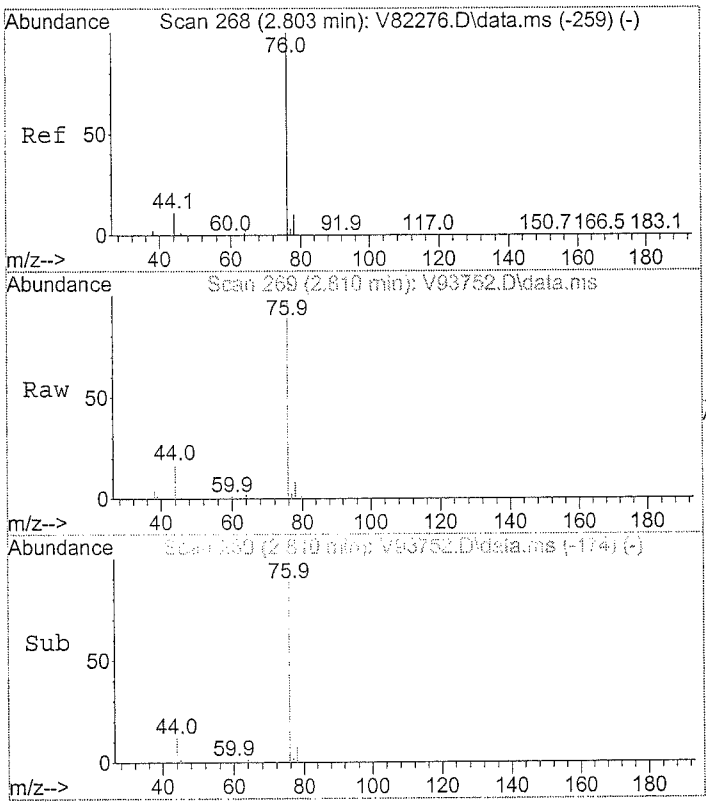
#11
Acetone
Concen: 19.70 ug/L
RT: 2.661 min. Scan# 241
Delta R.T. 0.009 min
Lab File: V93752.D
Acq: 29 Nov 2011 8:25 pm

Tgt Ion: 43 Resp: 11222

Ion	Ratio	Lower	Upper
43	100		
58	31.7	12.6	52.6



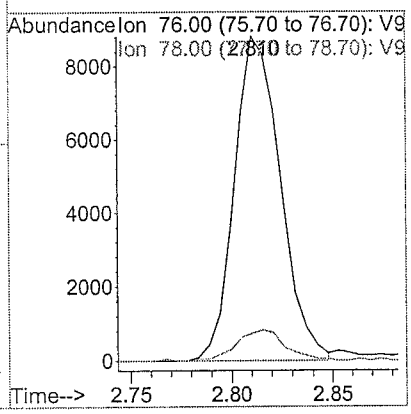
11/30 MB

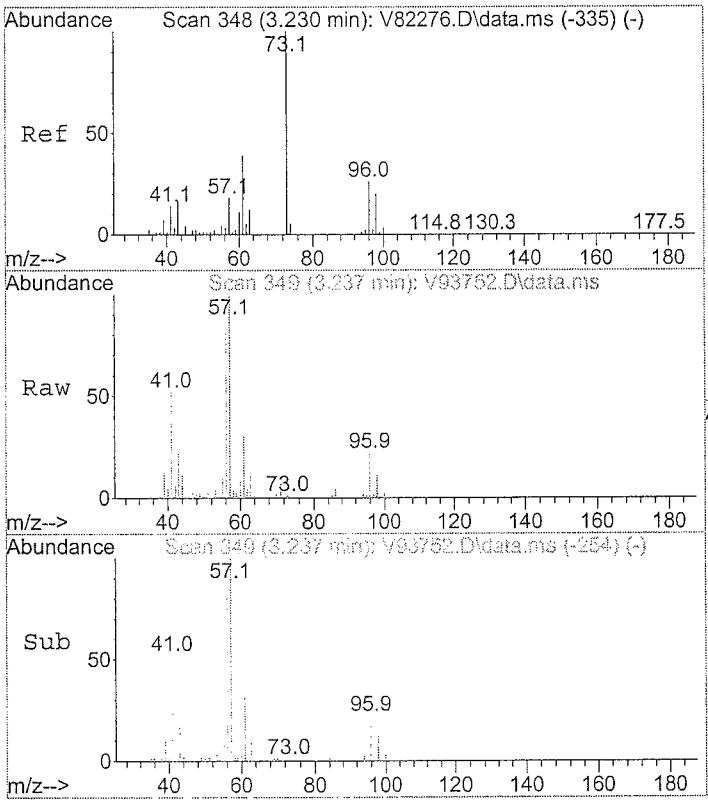


#12
Carbon disulfide
Concen: 3.29 ug/L
RT: 2.810 min Scan# 269
Delta R.T. 0.009 min
Lab File: V93752.D
Acq: 29 Nov 2011 8:25 pm

Tgt Ion: 76 Resp: 14025

Ion	Ratio	Lower	Upper
76	100		
78	9.9	0.0	29.5

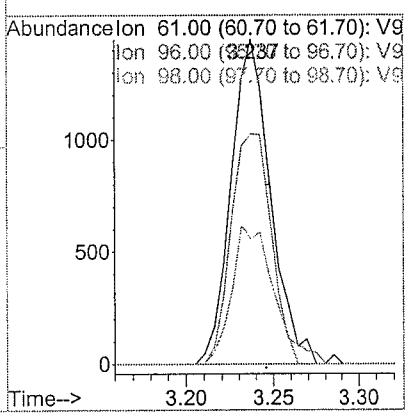


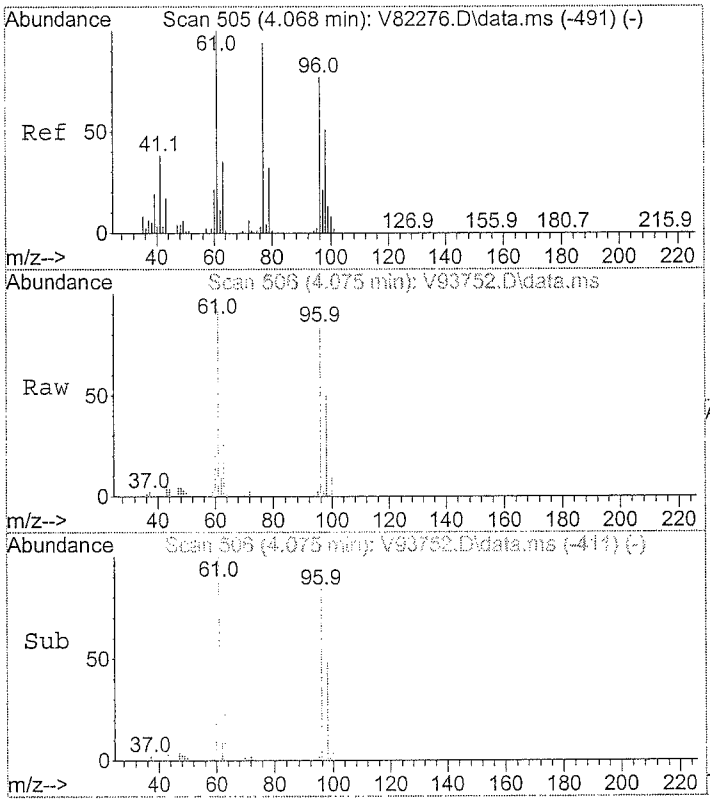


#18
trans-1,2-Dichloroethene
Concen: 1.04 ug/L
RT: 3.237 min Scan# 349
Delta R.T. 0.009 min
Lab File: V93752.D
Acq: 29 Nov 2011 8:25 pm

Tgt Ion: 61 Resp: 2307

Ion	Ratio	Lower	Upper
61	100		
96	74.6	48.7	88.7
98	42.8	24.2	64.2

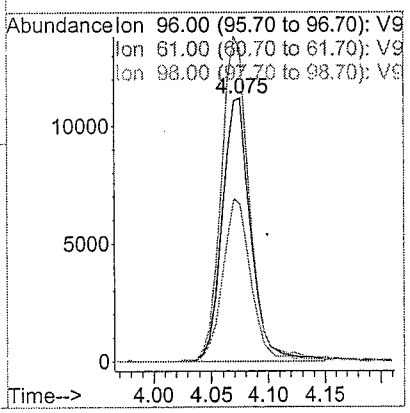


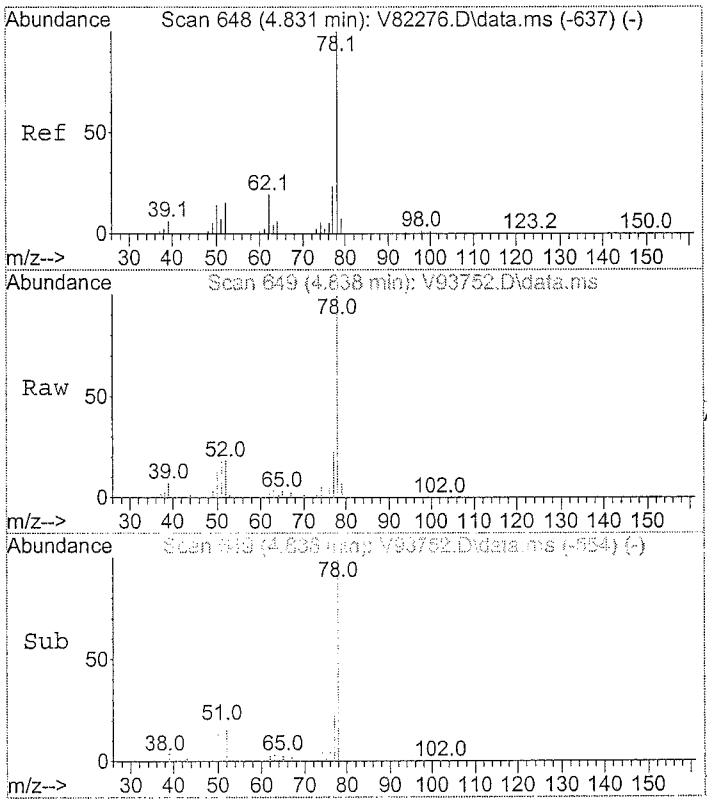


#23
cis-1,2-Dichloroethene
Concen: 9.53 ug/L
RT: 4.075 min Scan# 506
Delta R.T. 0.009 min
Lab File: V93752.D
Acq: 29 Nov 2011 8:25 pm

Tgt Ion: 96 Resp: 19426

Ion	Ratio	Lower	Upper
96	100		
61	124.4	128.3	168.3#
98	61.6	44.2	84.2

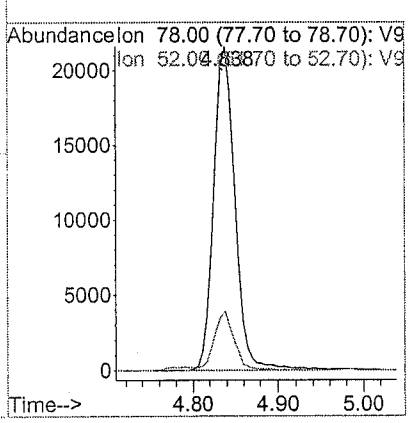


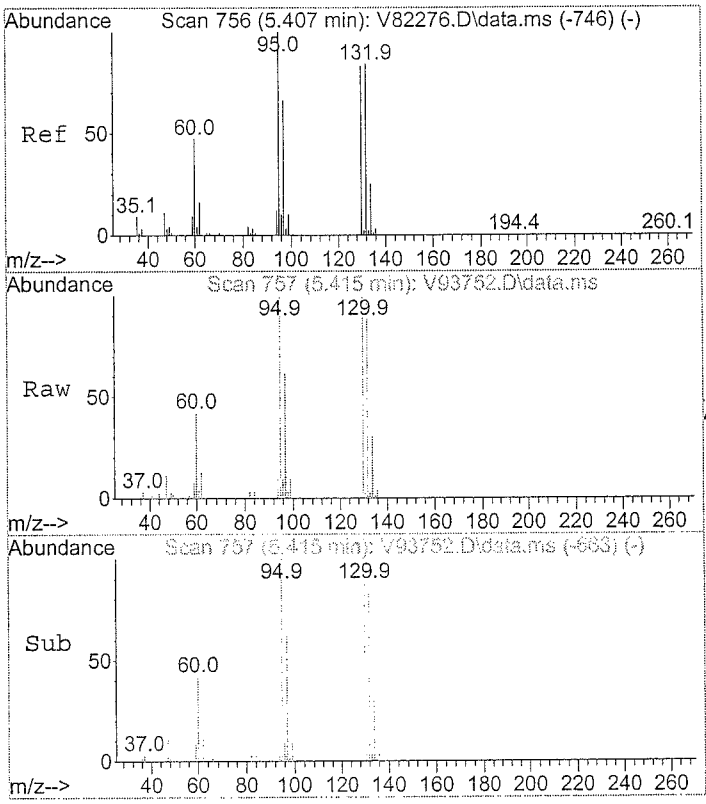


#31
Benzene
Concen: 5.38 ug/L
RT: 4.838 min Scan# 649
Delta R.T. 0.004 min
Lab File: V93752.D
Acq: 29 Nov 2011 8:25 pm

Tgt Ion: 78 Resp: 37636

Ion	Ratio	Lower	Upper
78	100		
52	16.9	0.0	36.9

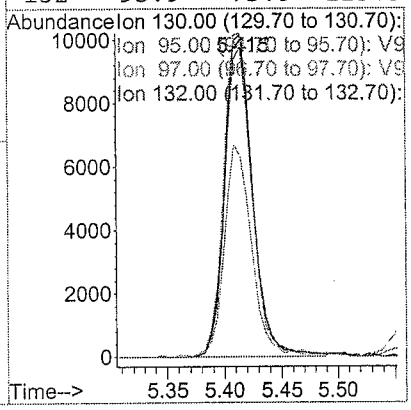


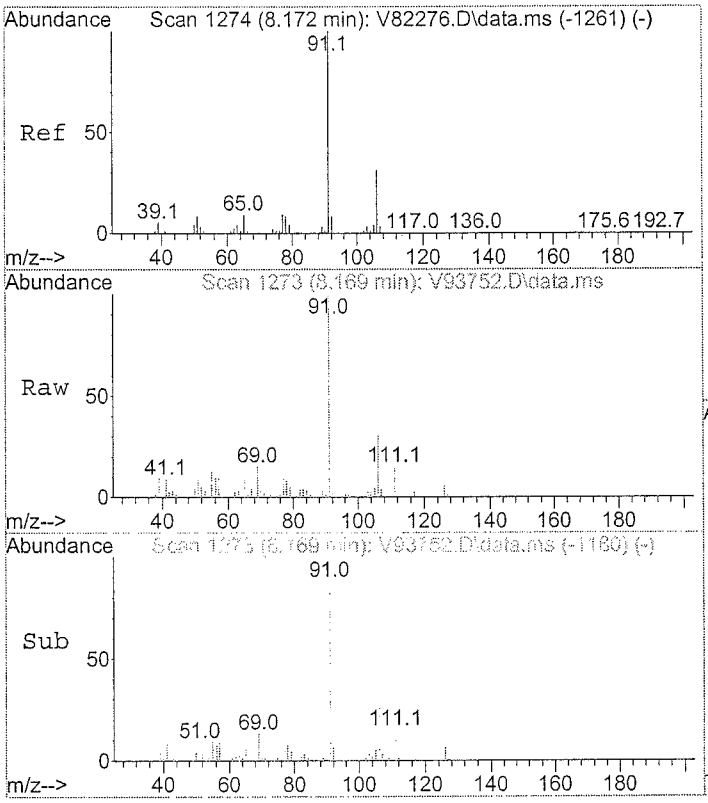


#33
Trichloroethene
Concen: 8.29 ug/L
RT: 5.415 min Scan# 757
Delta R.T. 0.004 min
Lab File: V93752.D
Acq: 29 Nov 2011 8:25 pm

Tgt Ion:130 Resp: 17413

Ion	Ratio	Lower	Upper
130	100		
95	102.1	81.0	121.0
97	64.3	45.9	85.9
132	95.9	75.9	115.9

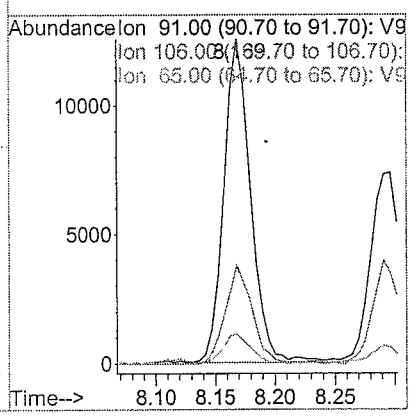


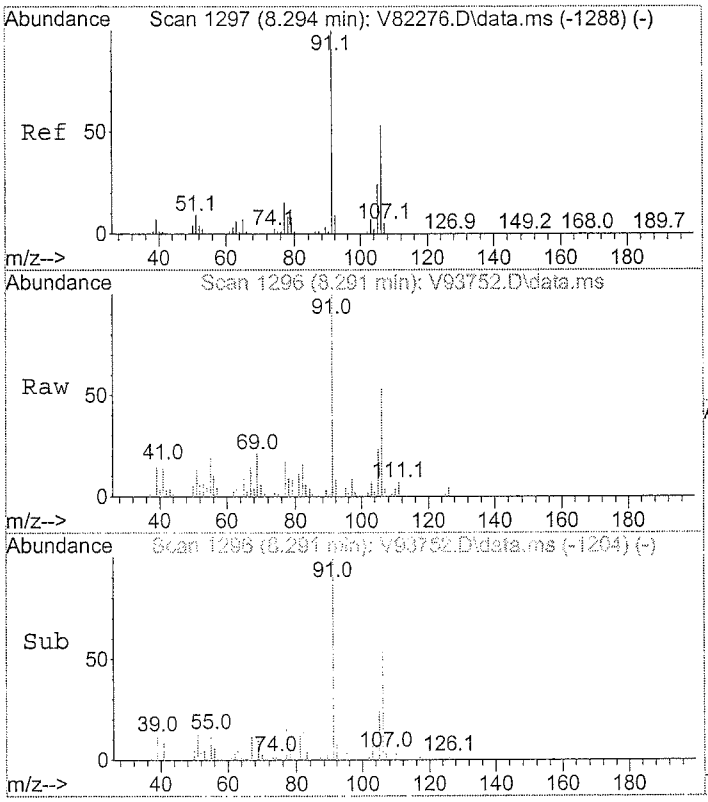


#57
Ethylbenzene
Concen: 2.19 ug/L
RT: 8.169 min Scan# 1273
Delta R.T. -0.001 min
Lab File: V93752.D
Acq: 29 Nov 2011 8:25 pm

Tgt Ion: 91 Resp: 19633

Ion	Ratio	Lower	Upper
91	100		
106	30.4	11.3	51.3
65	9.5	0.0	28.7

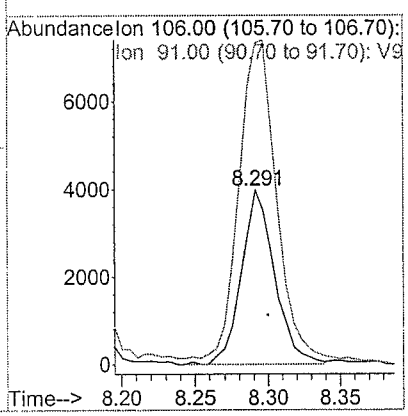




#58
m,p-Xylene
Concen: 2.00 ug/L
RT: 8.291 min Scan# 1296
Delta R.T. -0.007 min
Lab File: V93752.D
Acq: 29 Nov 2011 8:25 pm

Tgt Ion:106 Resp: 6381

Ion	Ratio	Lower	Upper
106	100		
91	217.3	182.3	222.3



Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\111129\
Data File : V93752.D
Acq On : 29 Nov 2011 8:25 pm
Operator : Bill Brew
Sample : SOIL #17006
Misc : Soil 2.75g
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
~~Methylene Chloride~~	~~3.008~~	~~6.5~~	~~ug/L~~	~~96366~~	~~1~~	~~5.079~~	~~739584~~	~~50.0~~
Cyclohexane, 1,...	6.877	12.7	ug/L	189347	2	8.024	745209	50.0
Cyclohexane, 1,...	7.758	6.6	ug/L	98428	2	8.024	745209	50.0
Cyclohexane, 1-...	8.643	8.0	ug/L	119931	2	8.024	745209	50.0
Heptane, 3-ethy...	9.006	9.4	ug/L	140218	2	8.024	745209	50.0
Cyclohexane, 1,...	9.460	14.4	ug/L	219501	3	10.559	763966	50.0
m-Menthane, (1S...	9.615	5.8	ug/L	89179	3	10.559	763966	50.0
1-Methyl-4-(1-m...	9.679	6.6	ug/L	100450	3	10.559	763966	50.0
Naphthalene, de...	10.960	21.3	ug/L	325255	3	10.559	763966	50.0
Benzene, 1-meth...	11.184	11.3	ug/L	172854	3	10.559	763966	50.0
Cyclohexane, pe...	11.317	7.9	ug/L	121361	3	10.559	763966	50.0
trans-Decalin, ...	11.691	20.0	ug/L	305458	3	10.559	763966	50.0
Adamantane, 1,3...	11.835	12.0	ug/L	183523	3	10.559	763966	50.0
Naphthalene, de...	11.931	16.8	ug/L	256261	3	10.559	763966	50.0
Benzene, 1-ethy...	12.011	5.7	ug/L	87106	3	10.559	763966	50.0
Cyclohexanone, ...	12.358	10.9	ug/L	166659	3	10.559	763966	50.0
Undecane, 2,6-d...	12.513	16.1	ug/L	246475	3	10.559	763966	50.0
Nonane, 3-methyl-	13.132	13.5	ug/L	206977	3	10.559	763966	50.0
Heptadecane, 2,...	13.207	7.0	ug/L	106515	3	10.559	763966	50.0
Dodecane, 2,6,1...	14.114	11.2	ug/L	171344	3	10.559	763966	50.0

LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\111129\
Data File : V93752.D
Acq On : 29 Nov 2011 8:25 pm
Operator : Bill Brew
Sample : SOIL #17006
Misc : Soil 2.75g
ALS Vial : 24 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\112111.M
Title : 8260/624 Analysis

Signal : TIC: V93752.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.460	13	16	25	rVB3	13238	22601	2.96%	0.198%
2	1.674	50	56	64	rBV2	17033	25453	3.33%	0.223%
3	2.074	124	131	138	rBV	25881	38680	5.06%	0.338%
4	2.277	163	169	182	rVB	16283	25084	3.28%	0.219%
5	2.661	231	241	255	rVB	9773	19461	2.55%	0.170%
6	3.008	299	306	316	rBV2	45705	96366	12.61%	0.843%
7	3.237	342	349	356	rBV2	19456	32436	4.25%	0.284%
8	3.461	384	391	403	rVB	14879	25924	3.39%	0.227%
9	3.984	482	489	496	rVV2	14305	27363	3.58%	0.239%
10	4.070	496	505	523	rVB	47113	84861	11.11%	0.743%
11	4.507	578	587	594	rBV	276307	456500	59.75%	3.995%
12	4.566	594	598	611	rVV4	17725	46232	6.05%	0.405%
13	4.780	632	638	644	rVV	127217	213140	27.90%	1.865%
14	4.838	644	649	662	rVB	47361	90240	11.81%	0.790%
15	5.079	685	694	712	rBV	424377	739584	96.81%	6.472%
16	5.409	750	756	773	rVB	54566	94541	12.38%	0.827%
17	5.591	775	790	797	rBV	59926	133898	17.53%	1.172%
18	5.831	827	835	845	rVB	18561	35451	4.64%	0.310%
19	6.173	892	899	903	rBV2	13624	23192	3.04%	0.203%
20	6.290	912	921	924	rBV3	15138	30961	4.05%	0.271%
21	6.519	958	964	966	rBV2	27796	41662	5.45%	0.365%
22	6.562	966	972	981	rVB	437874	717108	93.87%	6.275%
23	6.690	990	996	1000	rBV2	16198	29669	3.88%	0.260%
24	6.738	1000	1005	1014	rVB2	24746	42682	5.59%	0.373%
25	6.877	1021	1031	1041	rVB	98328	189347	24.78%	1.657%
26	6.994	1046	1053	1056	rBV2	15703	28983	3.79%	0.254%
27	7.032	1056	1060	1069	rVB2	20553	41108	5.38%	0.360%
28	7.213	1088	1094	1106	rVB2	24482	42254	5.53%	0.370%
29	7.421	1122	1133	1137	rVV4	18907	51960	6.80%	0.455%
30	7.464	1137	1141	1146	rVV2	16417	26290	3.44%	0.230%
31	7.523	1146	1152	1156	rVV4	15626	29981	3.92%	0.262%
32	7.565	1156	1160	1171	rVB4	14523	32106	4.20%	0.281%
33	7.758	1188	1196	1214	rVB3	39538	98428	12.88%	0.861%
34	7.907	1214	1224	1230	rBV	12590	24770	3.24%	0.217%
35	8.024	1237	1246	1258	rBV	429914	745209	97.54%	6.521%

Data Path : C:\msdchem\1\DATA\111129\
Data File : V93752.D
Acq On : 29 Nov 2011 8:25 pm
Operator : Bill Brew
Sample : SOIL #17006
Misc : Soil 2.75g
ALS Vial : 24 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\112111.M
Title : 8260/624 Analysis

36	8.115	1258	1263	1266	rVV3	13135	24448	3.20%	0.214%
37	8.169	1266	1273	1280	rVV2	43049	81304	10.64%	0.711%
38	8.307	1287	1299	1305	rVV7	41734	134361	17.59%	1.176%
39	8.644	1349	1362	1367	rBV4	41784	119931	15.70%	1.049%
40	8.852	1395	1401	1405	rBV2	49018	77901	10.20%	0.682%
41	8.894	1405	1409	1415	rVV2	34970	66541	8.71%	0.582%
42	9.006	1418	1430	1438	rVB8	46164	140218	18.35%	1.227%
43	9.092	1438	1446	1454	rBV7	21321	53843	7.05%	0.471%
44	9.177	1454	1462	1469	rBV6	28400	77591	10.16%	0.679%
45	9.279	1471	1481	1488	rVV	285928	492731	64.50%	4.312%
46	9.348	1488	1494	1498	rVV4	21678	40818	5.34%	0.357%
47	9.396	1498	1503	1507	rVV6	22846	50565	6.62%	0.442%
48	9.460	1509	1515	1530	rVB4	96073	219501	28.73%	1.921%
49	9.615	1538	1544	1551	rBV3	38869	89179	11.67%	0.780%
50	9.679	1551	1556	1562	rVV3	43073	100450	13.15%	0.879%
51	9.732	1562	1566	1570	rVV4	28820	45985	6.02%	0.402%
52	9.802	1570	1579	1585	rVB5	51034	136943	17.93%	1.198%
53	9.866	1586	1591	1598	rVB5	30417	57268	7.50%	0.501%
54	9.972	1606	1611	1612	rBV	20980	29879	3.91%	0.261%
55	9.999	1612	1616	1624	rVB4	34943	67189	8.79%	0.588%
56	10.068	1624	1629	1631	rBV5	12755	21140	2.77%	0.185%
57	10.111	1633	1637	1642	rVB3	34578	50995	6.68%	0.446%
58	10.170	1642	1648	1652	rBV6	39949	90233	11.81%	0.790%
59	10.287	1665	1670	1673	rBV3	20351	37275	4.88%	0.326%
60	10.330	1673	1678	1679	rVV3	34464	51810	6.78%	0.453%
61	10.362	1681	1684	1692	rVV4	49761	107486	14.07%	0.941%
62	10.442	1694	1699	1703	rVV2	33526	62994	8.25%	0.551%
63	10.485	1703	1707	1714	rVB5	36617	69643	9.12%	0.609%
64	10.559	1714	1721	1729	rBV	442094	763966	100.00%	6.685%
65	10.666	1737	1741	1747	rBV5	13677	25518	3.34%	0.223%
66	10.746	1751	1756	1763	rVB5	34159	64546	8.45%	0.565%
67	10.880	1773	1781	1787	rBV8	27206	73601	9.63%	0.644%
68	10.960	1791	1796	1808	rVV4	130102	325255	42.57%	2.846%
69	11.125	1823	1827	1833	rBV3	28688	64692	8.47%	0.566%
70	11.184	1834	1838	1848	rVB4	79401	172854	22.63%	1.513%
71	11.317	1853	1863	1867	rBV5	44454	121361	15.89%	1.062%
72	11.509	1896	1899	1904	rVB4	21741	30538	4.00%	0.267%
73	11.568	1905	1910	1915	rVV7	26886	57653	7.55%	0.504%

Data Path : C:\msdchem\1\DATA\111129\
Data File : V93752.D
Acq On : 29 Nov 2011 8:25 pm
Operator : Bill Brew
Sample : SOIL #17006
Misc : Soil 2.75g
ALS Vial : 24 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\112111.M
Title : 8260/624 Analysis

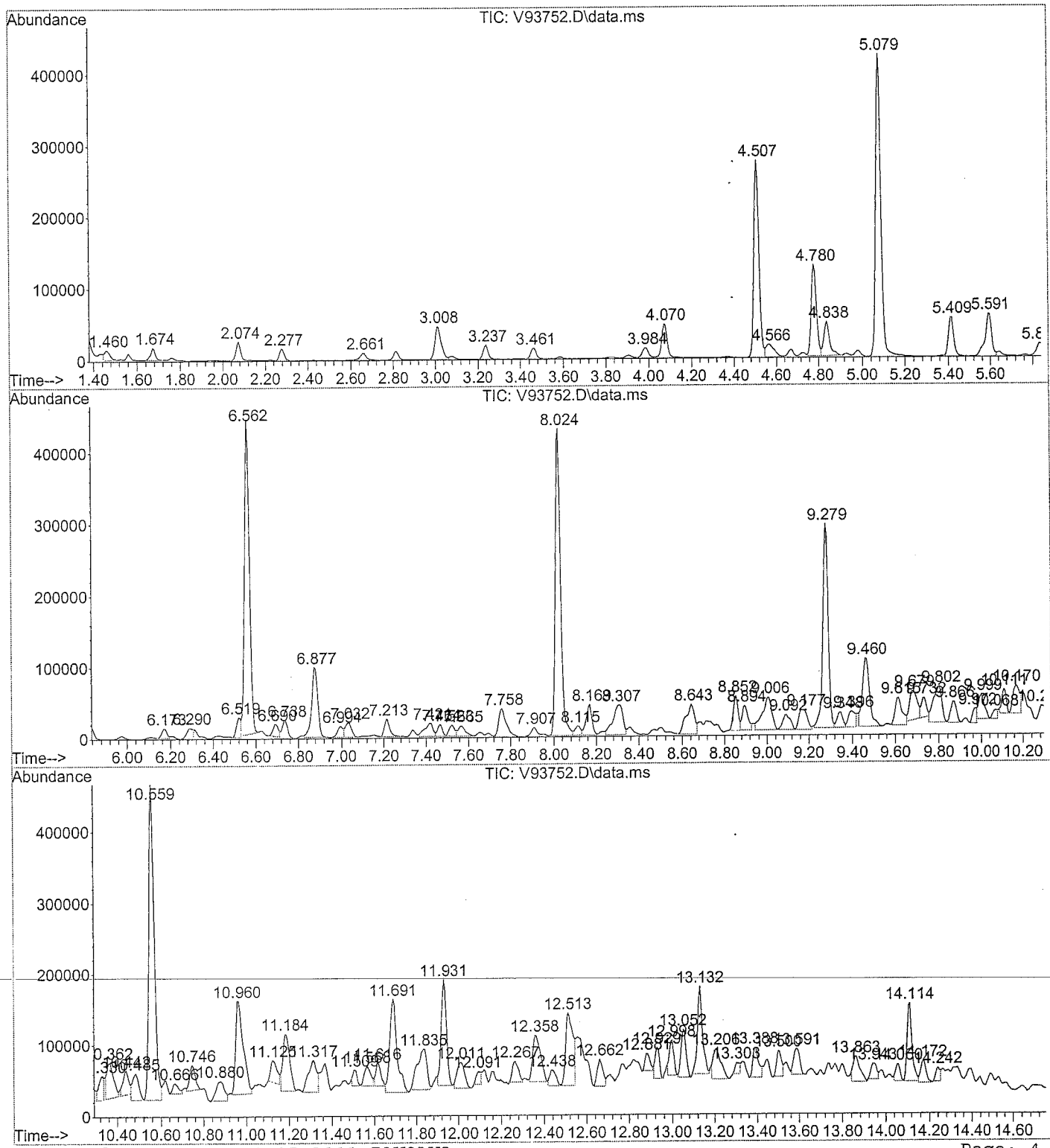
74	11.616	1916	1919	1926	rVV5	31665	53252	6.97%	0.466%
75	11.691	1926	1933	1946	rVB3	130407	305458	39.98%	2.673%
76	11.835	1948	1960	1966	rBV6	56720	183523	24.02%	1.606%
77	11.931	1972	1978	1985	rVB4	148541	256261	33.54%	2.242%
78	12.011	1987	1993	2002	rVB8	36294	87106	11.40%	0.762%
79	12.091	2004	2008	2010	rBV4	18168	26287	3.44%	0.230%
80	12.267	2036	2041	2047	rBV7	28993	56526	7.40%	0.495%
81	12.358	2053	2058	2069	rVB8	64726	166659	21.81%	1.458%
82	12.438	2069	2073	2081	rVB6	21877	45789	5.99%	0.401%
83	12.513	2081	2087	2093	rBV3	101688	246475	32.26%	2.157%
84	12.662	2110	2115	2120	rBV4	37878	70794	9.27%	0.619%
85	12.881	2153	2156	2161	rBV4	24195	38467	5.04%	0.337%
86	12.929	2162	2165	2170	rVB3	43523	57447	7.52%	0.503%
87	12.998	2174	2178	2182	rVB3	48892	71919	9.41%	0.629%
88	13.052	2183	2188	2195	rVB6	67138	111141	14.55%	0.973%
89	13.132	2196	2203	2211	rBV	122401	206977	27.09%	1.811%
90	13.206	2213	2217	2228	rVB10	42483	106515	13.94%	0.932%
91	13.303	2232	2235	2238	rBV5	15834	24463	3.20%	0.214%
92	13.388	2247	2251	2257	rBV7	41526	76981	10.08%	0.674%
93	13.500	2268	2272	2276	rBV4	36020	60169	7.88%	0.526%
94	13.591	2284	2289	2295	rVB6	36360	72600	9.50%	0.635%
95	13.863	2336	2340	2349	rVB9	35289	74284	9.72%	0.650%
96	13.943	2350	2355	2359	rBV3	21807	42185	5.52%	0.369%
97	14.060	2373	2377	2381	rVB4	24329	35359	4.63%	0.309%
98	14.114	2381	2387	2394	rBV	109505	171344	22.43%	1.499%
99	14.172	2394	2398	2406	rVB4	31062	51350	6.72%	0.449%
100	14.242	2407	2411	2413	rBV3	19420	27068	3.54%	0.237%

Sum of corrected areas: 11428130

Data Path : C:\msdchem\1\DATA\111129\
Data File : V93752.D
Acq On : 29 Nov 2011 8:25 pm
Operator : Bill Brew
Sample : SOIL #17006
Misc : Soil 2.75g
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P



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****
Peak Number 1 Methylene Chloride Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.008	6.51 ug/L	96366	Fluorobenzene	5.079

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene Chloride	84	CH2Cl2	000075-09-2	95
2	Methylene Chloride	84	CH2Cl2	000075-09-2	94
3	Methylene Chloride	84	CH2Cl2	000075-09-2	91
4	Methylene Chloride	84	CH2Cl2	000075-09-2	90
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	4

target cpd. @ 11/30

****
Peak Number 2 Cyclohexane, 1,4-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.877	12.70 ug/L	189347	Chlorobenzene-d5	8.024

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	93
2	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
3	Cyclohexane, 1,2-dimethyl-	112	C8H16	000583-57-3	91
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
5	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	90

unkn. cyclohexane

****
Peak Number 3 Cyclohexane, 1,2,4-trimethy... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.758	6.60 ug/L	98428	Chlorobenzene-d5	8.024

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	94
2	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	93
3	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	93
4	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	90
5	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	90

unkn. cyclohexane

****
Peak Number 4 Cyclohexane, 1-ethyl-2-meth... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.

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Acq On : 29 Nov 2011 8:25 pm
Operator : Bill Brew
Sample : SOIL #17006
Misc : Soil 2.75g
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

8.643 8.05 ug/L 119931 Chlorobenzene-d5 8.024

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	83
2	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	83
3	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	78
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	72
5	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	72

unkn. Cyclohexane

****

Peak Number 5 Heptane, 3-ethyl-2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.006	9.41 ug/L	140218	Chlorobenzene-d5	8.024

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	43
2	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	37
3	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	37
4	Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	32
5	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	32

unkn alkane

****

Peak Number 6 Cyclohexane, 1,1,2,3-tetram... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.460	14.37 ug/L	219501	1,4-Dichlorobenzene-d4	10.559

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	70
2	Cyclopentane, ethyl-	98	C7H14	001640-89-7	47
3	trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	46
4	Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	053907-60-1	46
5	Zinc, bis[2-(1,1-dimethylethyl)-...	314	C18H34Zn	074793-36-5	43

unkn.

****

Peak Number 7 m-Menthane, (1S,3R)-(+)- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.615	5.84 ug/L	89179	1,4-Dichlorobenzene-d4	10.559

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	49

unkn.

Data Path : C:\msdchem\1\DATA\111129\
Data File : V93752.D
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Operator : Bill Brew
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Misc : Soil 2.75g
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

2	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	46
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	46
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	46
5	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	45

****
Peak Number 8 1-Methyl-4-(1-methylethyl)-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.679	6.57 ug/L	100450	1,4-Dichlorobenzene-d4	10.559

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	55
2	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	49
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	46
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	46
5	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	43

unkn.

****
Peak Number 9 Naphthalene, decahydro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.960	21.29 ug/L	325255	1,4-Dichlorobenzene-d4	10.559

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-	138	C10H18	000091-17-8	96
2	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	96
3	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	96
4	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	96
5	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	95

unkn. aromatic

****
Peak Number 10 Benzene, 1-methyl-4-propyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.184	11.31 ug/L	172854	1,4-Dichlorobenzene-d4	10.559

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	70
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	38
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	38
4	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	38
5	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	30

unkn. aromatic.

Data Path : C:\msdchem\1\DATA\111129\
Data File : V93752.D
Acq On : 29 Nov 2011 8:25 pm
Operator : Bill Brew
Sample : SOIL #17006
Misc : Soil 2.75g
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Cyclohexane, pentyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.317	7.94 ug/L	121361	1,4-Dichlorobenzene-d4	10.559

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	47
2	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	47
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	47
4	Cyclohexane, butyl-	140	C10H20	001678-93-9	43
5	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	43

unkn. cyclohexane

****
Peak Number 12 trans-Decalin, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.691	19.99 ug/L	305458	1,4-Dichlorobenzene-d4	10.559

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	95
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	95
3	Pulegone	152	C10H16O	000089-82-7	86
4	Pulegone	152	C10H16O	000089-82-7	70
5	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	58

unkn.

****
Peak Number 13 Adamantane, 1,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.835	12.01 ug/L	183523	1,4-Dichlorobenzene-d4	10.559

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adamantane, 1,3-dimethyl-	164	C12H20	000702-79-4	74
2	Adamantane, 1,3-dimethyl-	164	C12H20	000702-79-4	55
3	Pyridinium, 1-(acetylamino)-2,6-...	164	C9H12N2O	031020-35-6	50
4	Pyridine, pentamethyl-	149	C10H15N	003748-83-2	50
5	Benzenemethanol, 4-(1,1-dimethyl...	164	C11H16O	000877-65-6	50

unkn.

****
Peak Number 14 Naphthalene, decahydro-2-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.

Data Path : C:\msdchem\1\DATA\111129\
Data File : V93752.D
Acq On : 29 Nov 2011 8:25 pm
Operator : Bill Brew
Sample : SOIL #17006
Misc : Soil 2.75g
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

11.931	16.77 ug/L	256261	1,4-Dichlorobenzene-d4	10.559

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	76
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	62
3	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	53
4	Cyclododecene, (E)-	166	C12H22	001486-75-5	49
5	Pulegone	152	C10H16O	000089-82-7	49

unkn.

****
Peak Number 15 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.011	5.70 ug/L	87106	1,4-Dichlorobenzene-d4	10.559

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	55
2	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	46
3	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	46
4	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	46
5	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	43

unkn. aromatic

****
Peak Number 16 Cyclohexanone, 2-methyl-5-(... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.358	10.91 ug/L	166659	1,4-Dichlorobenzene-d4	10.559

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	005948-04-9	70
2	Bicyclo[2.2.2]octane, 2-methyl-	124	C9H16	000766-53-0	70
3	trans,trans-1,10-Dimethylspiro[4...	166	C12H22	1000111-72-1	68
4	cis,cis-1,10-Dimethylspiro[4.5]d...	166	C12H22	1000111-72-4	68
5	Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	64

unkn.

****
Peak Number 17 Undecane, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.513	16.13 ug/L	246475	1,4-Dichlorobenzene-d4	10.559

unkn. alkane

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual

Data Path : C:\msdchem\1\DATA\111129\
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Acq On : 29 Nov 2011 8:25 pm
Operator : Bill Brew
Sample : SOIL #17006
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ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4 70
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4 49
3	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9 45
4	Dodecane, 6-methyl-	184	C13H28	006044-71-9 45
5	Nonane, 3-methyl-	142	C10H22	005911-04-6 42

****
Peak Number 18 Nonane, 3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.132	13.55 ug/L	206977	1,4-Dichlorobenzene-d4	10.559

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	72
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	64
4	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	59
5	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	59

unkn. alkane

****
Peak Number 19 Heptadecane, 2,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.207	6.97 ug/L	106515	1,4-Dichlorobenzene-d4	10.559

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	27
2	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	25
3	Octane, 4-ethyl-	142	C10H22	015869-86-0	25
4	Cyclopentane, 1-methyl-3-(2-meth...	140	C10H20	029053-04-1	25
5	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	22

unkn. alkane

****
Peak Number 20 Dodecane, 2,6,10-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.114	11.21 ug/L	171344	1,4-Dichlorobenzene-d4	10.559

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	90
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	86
3	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	80
4	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	74
5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72

unkn. alkane

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Quant Method : C:\msdchem\1\METHODS\112111.M
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TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

PARADIGM
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc

Client Job Site: 690 St. Paul St.
Client Job Number: 209280
Field Location: CS-7
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5141A
Lab Sample Number: 17007

Date Sampled: 11/29/2011
Date Received: 11/29/2011
Date Analyzed: 11/29/2011

Halocarbons	Results in ug / Kg
Bromodichloromethane	< 4.37
Bromomethane	< 4.37
Bromoform	< 10.9
Carbon Tetrachloride	< 4.37
Chloroethane	< 4.37
Chloromethane	< 4.37
2-Chloroethyl vinyl Ether	< 21.9
Chloroform	< 4.37
Dibromochloromethane	< 4.37
1,1-Dichloroethane	< 4.37
1,2-Dichloroethane	< 4.37
1,1-Dichloroethene	< 4.37
cis-1,2-Dichloroethene	73.2
trans-1,2-Dichloroethene	4.82
1,2-Dichloropropane	< 4.37
cis-1,3-Dichloropropene	< 4.37
trans-1,3-Dichloropropene	< 4.37
Methylene chloride	< 10.9
1,1,2,2-Tetrachloroethane	< 4.37
Tetrachloroethene	< 4.37
1,1,1-Trichloroethane	< 4.37
1,1,2-Trichloroethane	< 4.37
Trichloroethene	107
Trichlorofluoromethane	< 4.37
Vinyl chloride	10.5

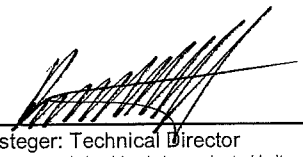
Aromatics	Results in ug / Kg
Benzene	J 3.09
Chlorobenzene	< 4.37
Ethylbenzene	75.0
Toluene	13.5
m,p-Xylene	17.5
o-Xylene	10.5
Styrene	< 10.9
1,2-Dichlorobenzene	< 4.37
1,3-Dichlorobenzene	< 4.37
1,4-Dichlorobenzene	< 4.37

Ketones	Results in ug / Kg
Acetone	J 18.9
2-Butanone	< 21.9
2-Hexanone	< 10.9
4-Methyl-2-pentanone	< 10.9

Miscellaneous	Results in ug / Kg
Carbon disulfide	5.84
Vinyl acetate	< 10.9

ELAP Number 10958 Method: EPA 8260B Data File: V93753.D

Comments: ug / Kg = microgram per Kilogram

Signature: 

Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

PARADIGM
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc

Client Job Site:	690 St. Paul St.	**Lab Project Number:**	11-5141A
		Lab Sample Number:	17007
Client Job Number:	209280		
Field Location:	CS-7	**Date Sampled:**	11/29/2011
Field ID Number:	N/A	**Date Received:**	11/29/2011
Sample Type:	Soil	**Date Analyzed:**	11/29/2011

Tentatively Identified Compounds	CAS Number	Retention Time	Results in ug / Kg	Percent Fit
None Found	N/A	N/A	< 10.9	N/A

ELAP Number 10958 Method: EPA 8260B Data File: V93753.D

Comments: ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

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Data File: C:\msdchem\1\DATA\111129\V93753.D
DataAcq Meth:8260RUN.M
Acq On : 29 Nov 2011 8:49 pm
Sample : SOIL #17007
Misc : Soil 2.61g
ALS Vial : 25 Sample Multiplier: 1

Operator: Bill Brew
Inst : Instrument #1

Quant Time: Nov 30 07:09:40 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE

NO TICS

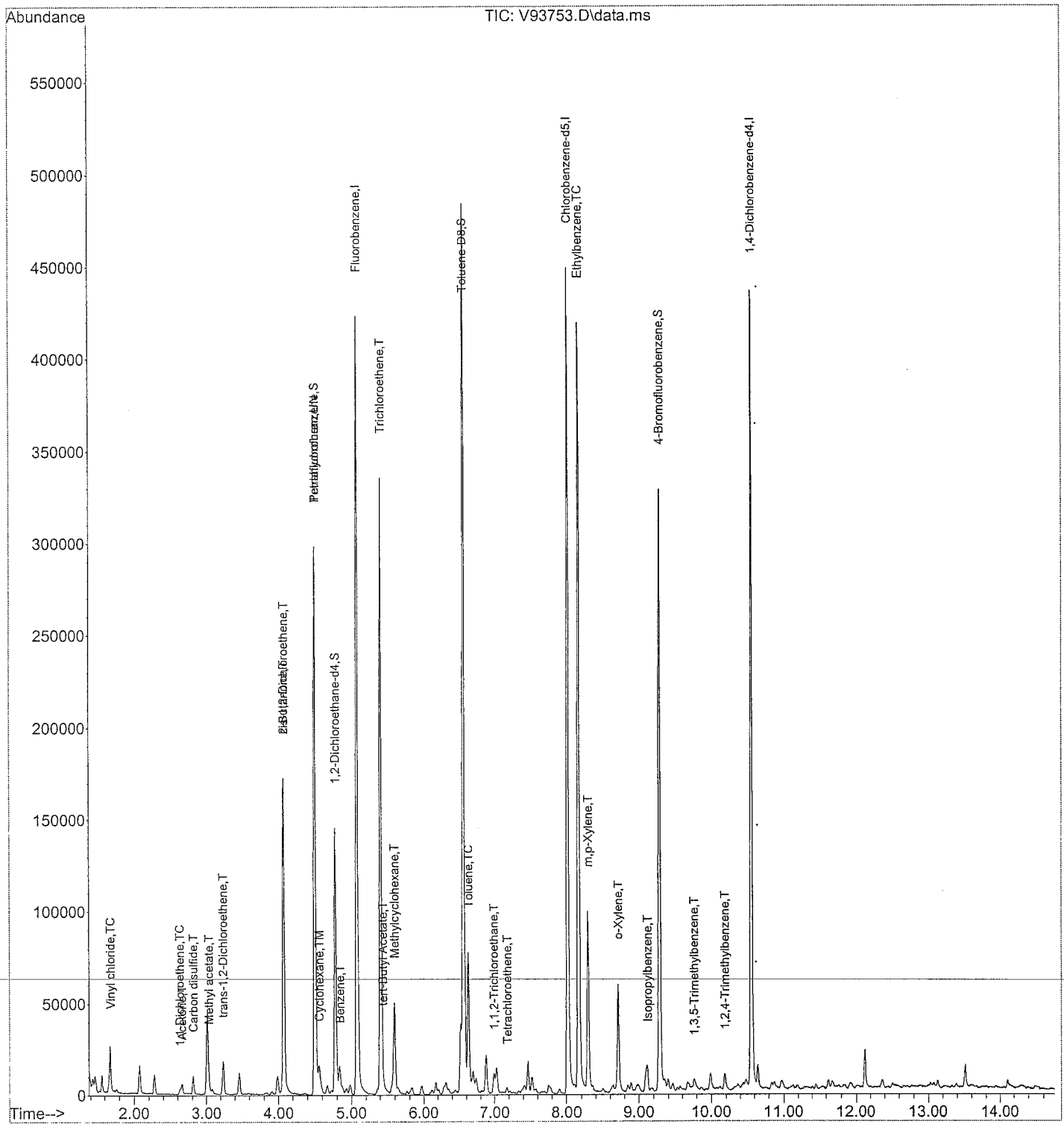
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.082	96	363612	50.00 ug/L	0.00
54) Chlorobenzene-d5	8.022	117	261421	50.00 ug/L	0.00
75) 1,4-Dichlorobenzene-d4	10.563	152	127771	50.00 ug/L	0.00
System Monitoring Compounds					
26) Pentafluorobenzene	4.511	168	186949	47.77 ug/L	0.00
Spiked Amount 50.000	Range 90 - 117		Recovery =	95.54%	
29) 1,2-Dichloroethane-d4	4.783	65	93548	43.46 ug/L	0.00
Spiked Amount 50.000	Range 64 - 106		Recovery =	86.92%	
45) Toluene-D8	6.560	98	318357	44.84 ug/L	0.00
Spiked Amount 50.000	Range 85 - 106		Recovery =	89.68%	
64) 4-Bromofluorobenzene	9.282	95	115558	42.88 ug/L	0.00
Spiked Amount 50.000	Range 79 - 99		Recovery =	85.76%	
Target Compounds					Qvalue
4) Vinyl chloride	1.682	62	8612	4.80 ug/L	97
10) 1,1-Dichloroethene	2.627	61	894	0.37 ug/L	97
11) Acetone	2.659	43	6424	8.64 ug/L	99
12) Carbon disulfide	2.814	76	11625	2.67 ug/L	98
13) Methyl acetate	3.032	43	7007	7.38 ug/L	56
14) Methylene chloride	3.011	84	15916	Below Cal	97
18) trans-1,2-Dichloroethene	3.235	61	5017	2.21 ug/L	96
22) 2-Butanone	4.073	72	696	3.45 ug/L #	1
23) cis-1,2-Dichloroethene	4.073	96	69682	33.49 ug/L	90
27) Tetrahydrofuran	4.511	42	719	0.88 ug/L #	27
31) Benzene	4.842	78	10109	1.41 ug/L	99
33) Trichloroethene	5.413	130	104822	48.86 ug/L	99
34) Methylcyclohexane	5.594	83	17633	5.29 ug/L	97
46) Toluene	6.629	91	50179	6.16 ug/L	98
48) 1,1,2-Trichloroethane	6.992	97	4324	2.61 ug/L	19
50) Tetrachloroethene	7.179	166	929	0.38 ug/L	97
57) Ethylbenzene	8.166	91	313479	34.30 ug/L	99
58) m,p-Xylene	8.294	106	26077	8.00 ug/L	93
59) o-Xylene	8.716	106	16082	4.81 ug/L	98
62) Isopropylbenzene	9.116	105	8722	0.97 ug/L	100
70) 1,3,5-Trimethylbenzene	9.762	105	2993	0.40 ug/L	95
72) 1,2,4-Trimethylbenzene	10.178	105	4865	0.64 ug/L	93
86) Cyclohexane	4.564	56	6758	2.08 ug/L	94
88) tert-Butyl Acetate	5.439	57	1071	0.81 ug/L #	1

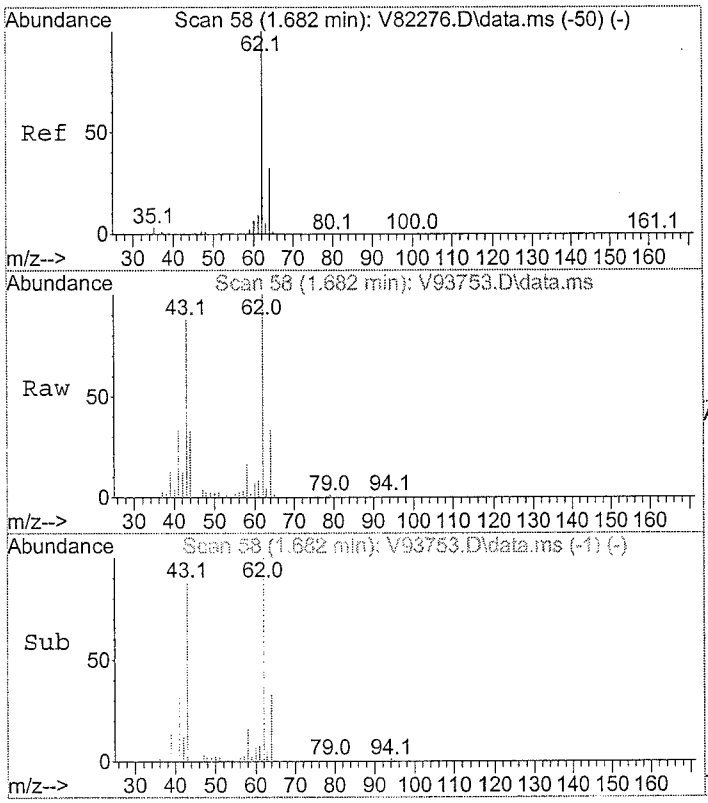
(#) = qualifier out of range (m) = manual integration (+) = signals summed

11/30 BB

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DataAcq Meth:8260RUN.M
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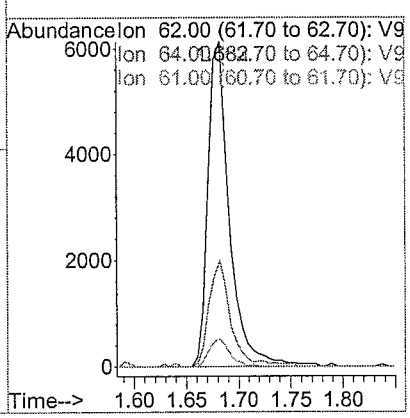




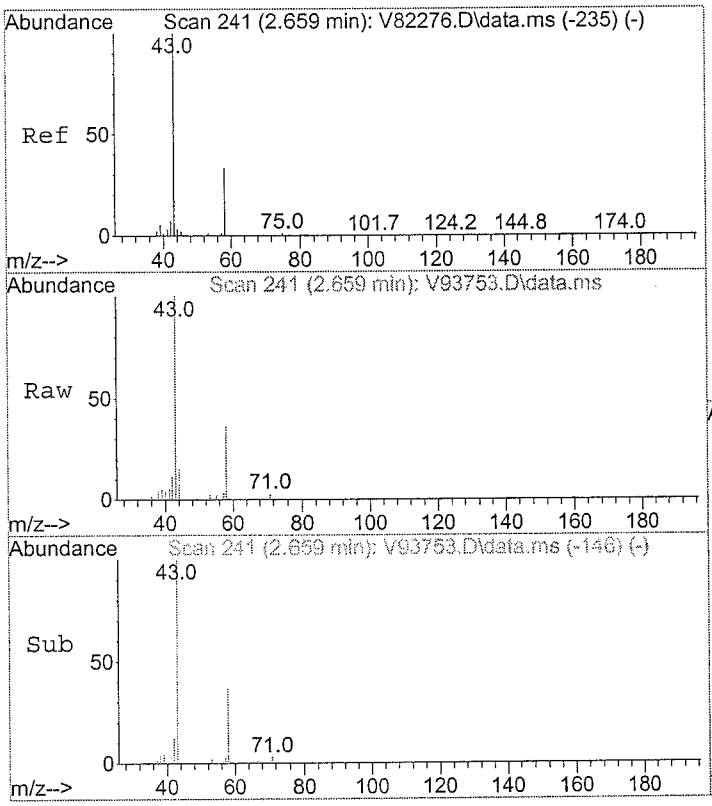
#4
Vinyl chloride
Concen: 4.80 ug/L
RT: 1.682 min Scan# 58
Delta R.T. 0.007 min
Lab File: V93753.D
Acq: 29 Nov 2011 8:49 pm

Tgt Ion: 62 Resp: 8612

Ion	Ratio	Lower	Upper
62	100		
64	33.0	11.2	51.2
61	8.0	0.0	28.1



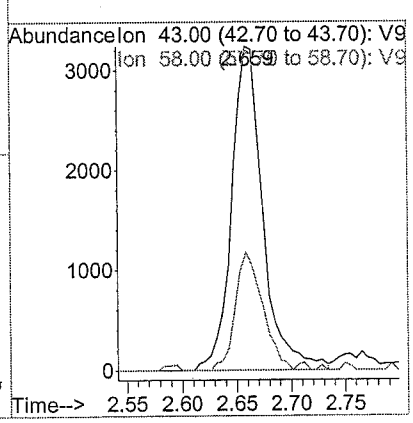
11/30 BB

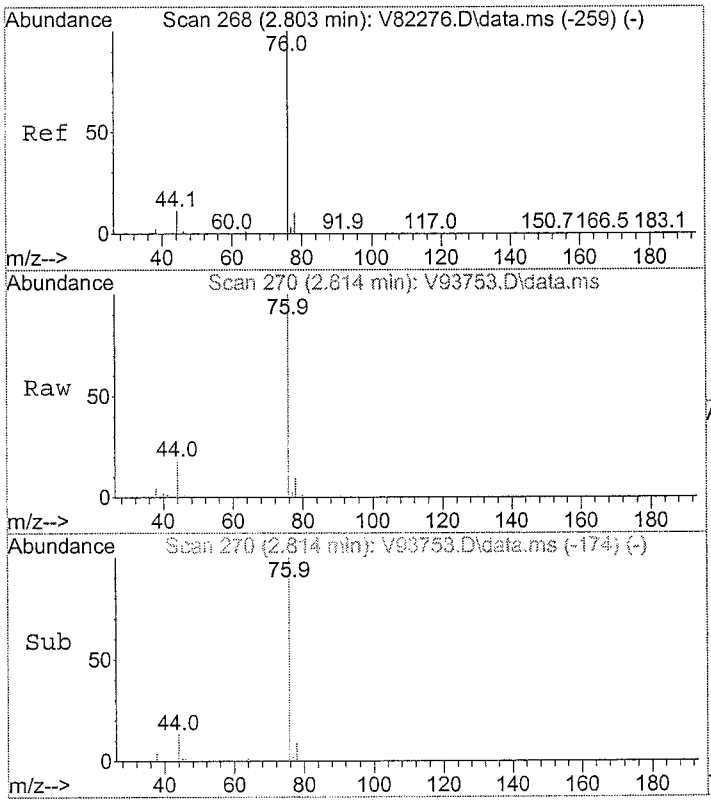


#11
Acetone
Concen: 8.64 ug/L
RT: 2.659 min Scan# 241
Delta R.T. 0.007 min
Lab File: V93753.D
Acq: 29 Nov 2011 8:49 pm

Tgt Ion: 43 Resp: 6424

Ion	Ratio	Lower	Upper
43	100		
58	31.8	12.6	52.6

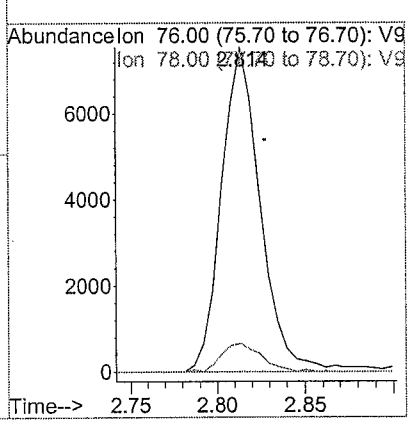


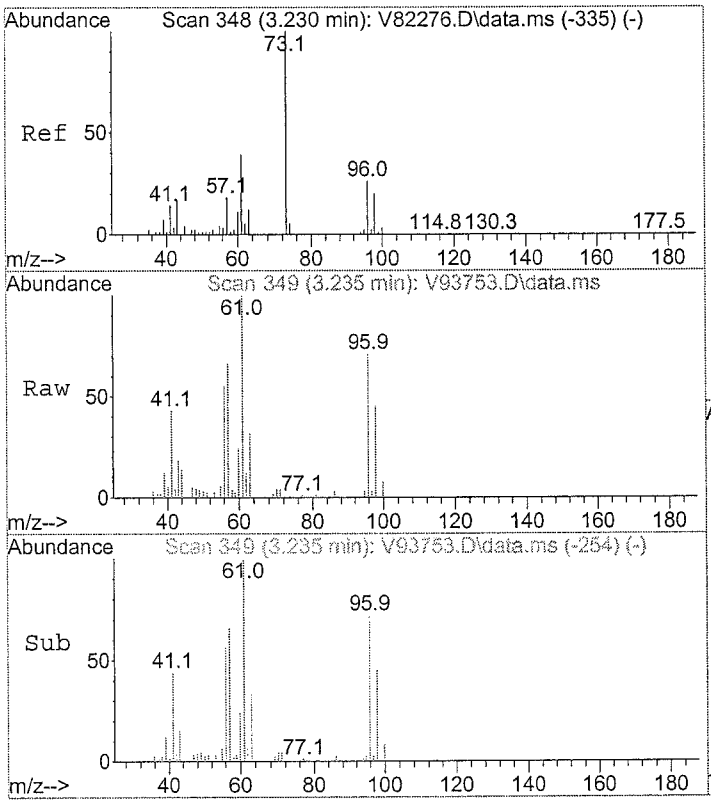


#12
Carbon disulfide
Concen: 2.67 ug/L
RT: 2.814 min Scan# 270
Delta R.T. 0.012 min
Lab File: V93753.D
Acq: 29 Nov 2011 8:49 pm

Tgt Ion: 76 Resp: 11625

Ion	Ratio	Lower	Upper
76	100		
78	8.7	0.0	29.5

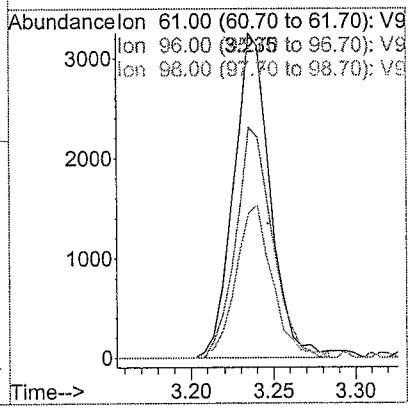


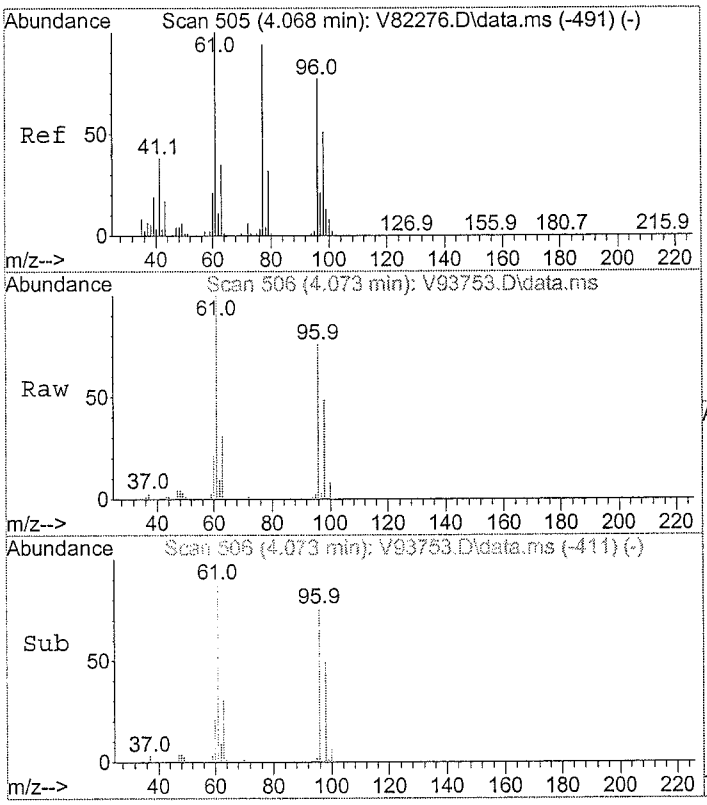


#18
trans-1,2-Dichloroethene
Concen: 2.21 ug/L
RT: 3.235 min Scan# 349
Delta R.T. 0.007 min
Lab File: V93753.D
Acq: 29 Nov 2011 8:49 pm

Tgt Ion: 61 Resp: 5017

Ion	Ratio	Lower	Upper
61	100		
96	71.1	48.7	88.7
98	47.2	24.2	64.2

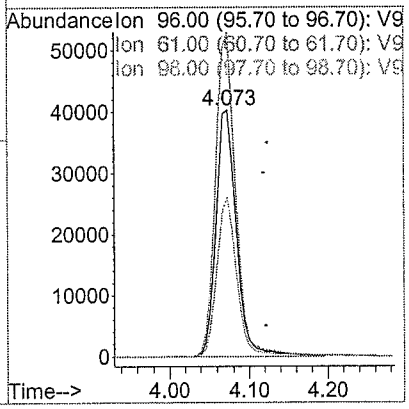


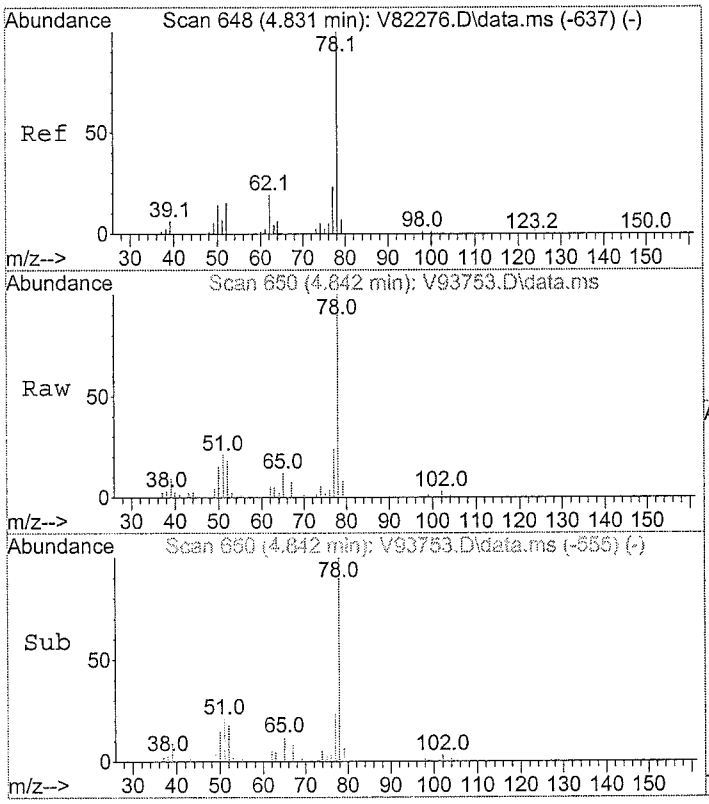


#23
cis-1,2-Dichloroethene
Concen: 33.49 ug/L
RT: 4.073 min Scan# 506
Delta R.T. 0.007 min
Lab File: V93753.D
Acq: 29 Nov 2011 8:49 pm

Tgt Ion: 96 Resp: 69682

Ion	Ratio	Lower	Upper
96	100		
61	130.6	128.3	168.3
98	63.2	44.2	84.2

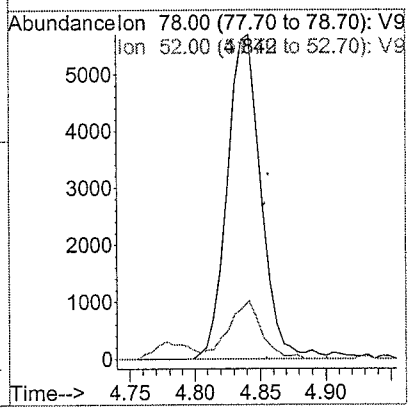


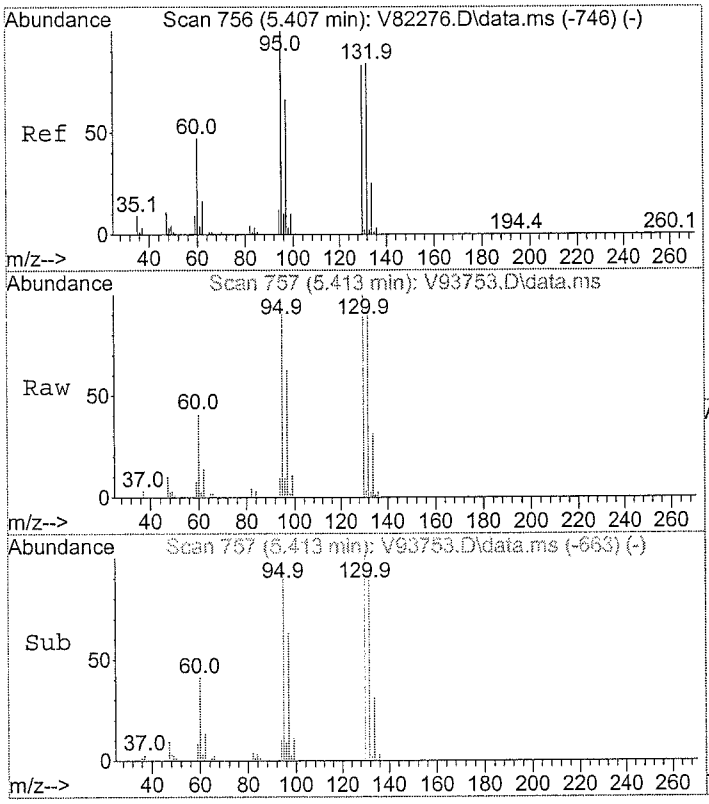


#31
Benzene
Concen: 1.41 ug/L
RT: 4.842 min Scan# 650
Delta R.T. 0.008 min
Lab File: V93753.D
Acq: 29 Nov 2011 8:49 pm

Tgt Ion: 78 Resp: 10109

Ion	Ratio	Lower	Upper
78	100		
52	17.4	0.0	36.9

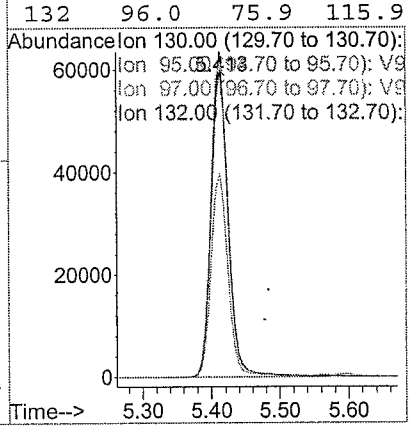


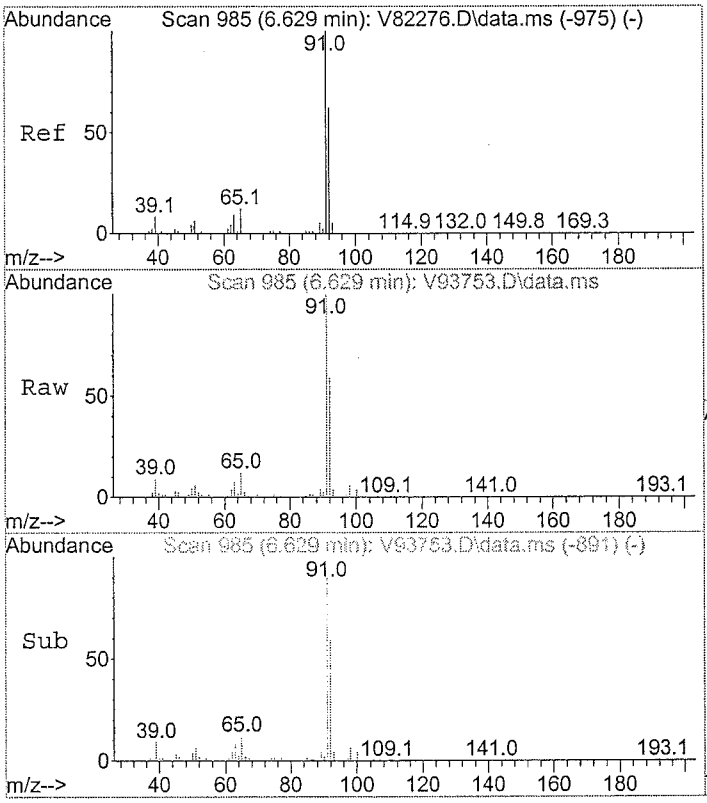


#33
Trichloroethene
Concen: 48.86 ug/L
RT: 5.413 min Scan# 757
Delta R.T. 0.002 min
Lab File: V93753.D
Acq: 29 Nov 2011 8:49 pm

Tgt Ion:130 Resp: 104822

Ion	Ratio	Lower	Upper
130	100		
95	99.1	81.0	121.0
97	64.3	45.9	85.9
132	96.0	75.9	115.9

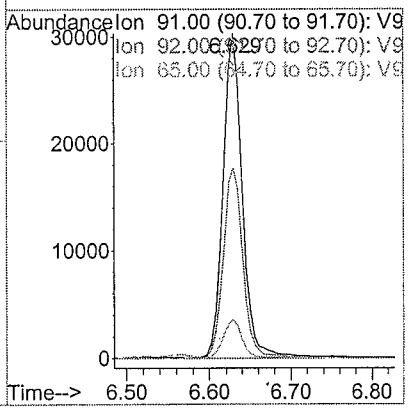


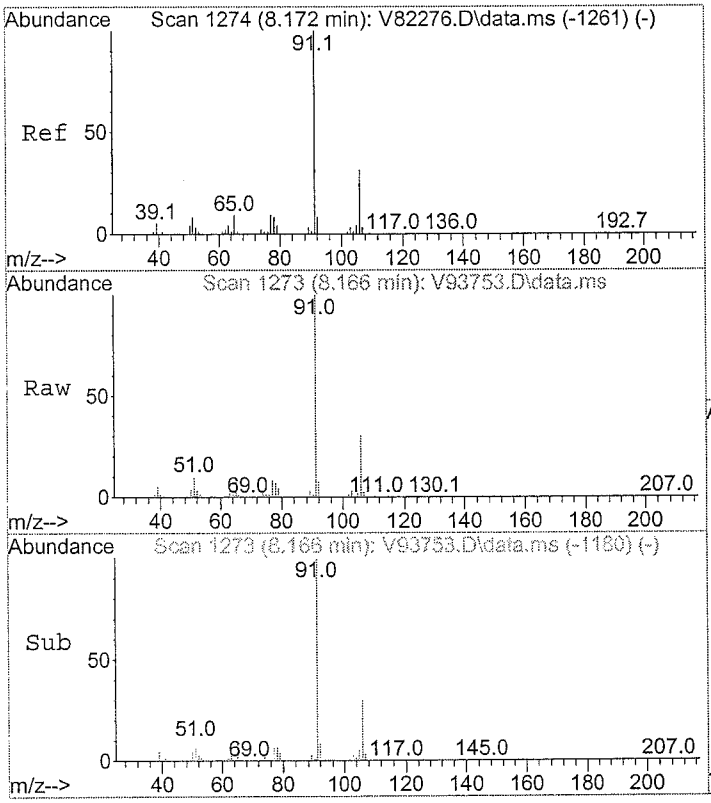


#46
Toluene
Concen: 6.16 ug/L
RT: 6.629 min Scan# 985
Delta R.T. 0.001 min
Lab File: V93753.D
Acq: 29 Nov 2011 8:49 pm

Tgt Ion: 91 Resp: 50179

Ion	Ratio	Lower	Upper
91	100		
92	59.0	40.4	80.4
65	11.1	0.0	31.5

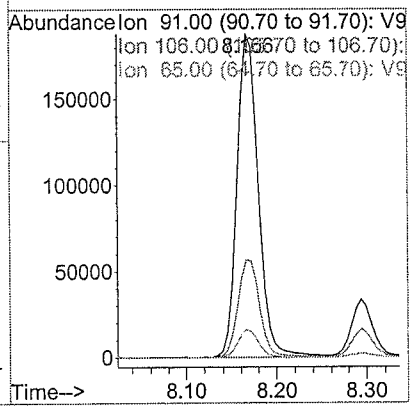


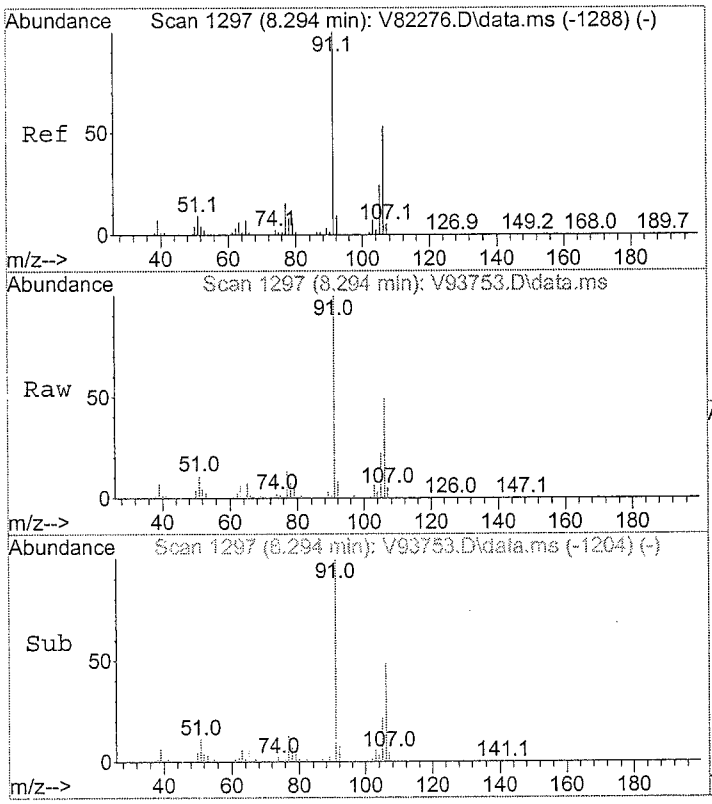


#57
Ethylbenzene
Concen: 34.30 ug/L
RT: 8.166 min Scan# 1273
Delta R.T. -0.004 min
Lab File: V93753.D
Acq: 29 Nov 2011 8:49 pm

Tgt Ion: 91 Resp: 313479

Ion	Ratio	Lower	Upper
91	100		
106	30.8	11.3	51.3
65	8.2	0.0	28.7

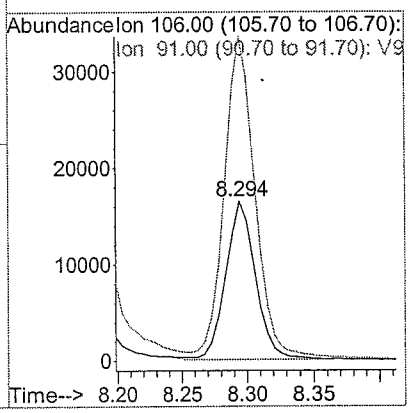


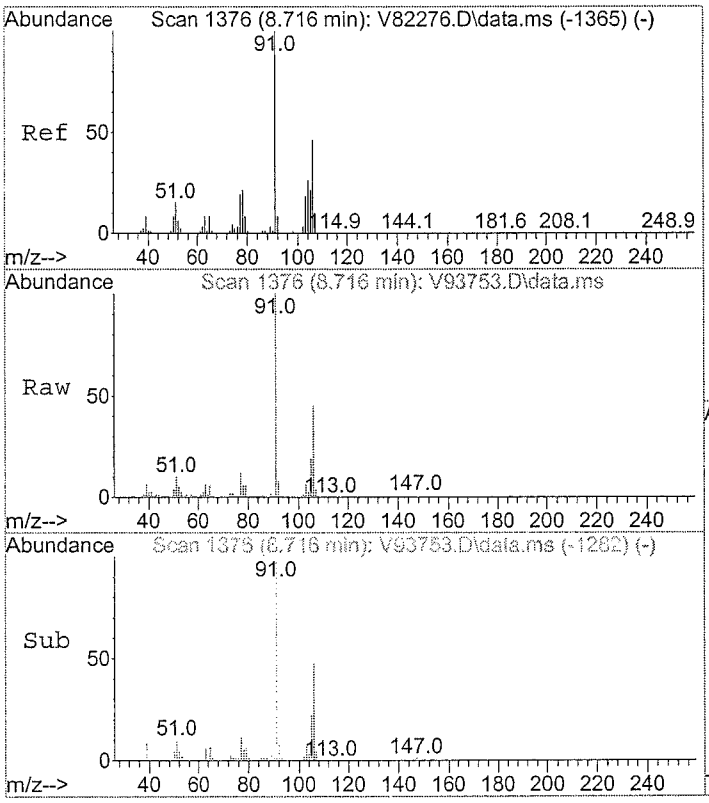


#58
m,p-Xylene
Concen: 8.00 ug/L
RT: 8.294 min Scan# 1297
Delta R.T. -0.004 min
Lab File: V93753.D
Acq: 29 Nov 2011 8:49 pm

Tgt Ion:106 Resp: 26077

Ion	Ratio	Lower	Upper
106	100		
91	213.5	182.3	222.3

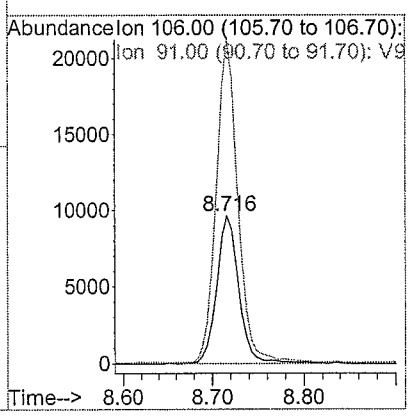




#59
o-Xylene
Concen: 4.81 ug/L
RT: 8.716 min Scan# 1376
Delta R.T. 0.002 min
Lab File: V93753.D
Acq: 29 Nov 2011 8:49 pm

Tgt Ion:106 Resp: 16082

Ion	Ratio	Lower	Upper
106	100		
91	215.7	193.2	233.2



VOLATILE ORGANICS

STANDARDS DATA

Response Factor Report Instrument #1

Method Path : C:\msdchem\1\METHODS\
Method File : 112111.M
Title : 8260/624 Analysis
Last Update : Mon Nov 21 16:05:50 2011
Response Via : Initial Calibration

Calibration Files
1 =V93584.D 2 =V93585.D 3 =V93586.D 4 =V93587.D 5 =V93588.D 6 =V93589.D 7 =V93590.D

		Compound	1	2	3	4	5	6	7	Avg	%RSD	
1)	I	Fluorobenzene	ISTD									
2)	T	Dichlorodifluo...	1.019	0.363	0.208	0.209	0.186	0.191	0.186	0.337	91.04	*
3)	TP	Chloromethane	0.251	0.278	0.279	0.298	0.282	0.281	0.274	0.278	4.96	
4)	TC	Vinyl chloride	0.220	0.245	0.266	0.270	0.249	0.243	0.235	0.247	6.99	
5)	T	Bromomethane	0.168	0.169	0.154	0.151	0.119	0.108	0.094	0.137	22.09	*
6)	T	Chloroethane	0.134	0.147	0.156	0.158	0.134	0.121	0.110	0.137	13.09	
7)	T	Trichlorofluor...	0.657	0.449	0.419	0.426	0.383	0.389	0.377	0.443	22.08	*
8)	T	Ethyl ether	0.147	0.166	0.178	0.183	0.173	0.170	0.166	0.169	6.91	
9)	T	Freon 113	0.202	0.233	0.242	0.250	0.217	0.223	0.218	0.226	7.32	
10)	TC	1,1-Dichloroet...	0.281	0.339	0.353	0.364	0.325	0.327	0.313	0.329	8.32	
11)	T	Acetone	0.378	0.128	0.078	0.076	0.072	0.077	0.082	0.127	88.18	*
12)	T	Carbon disulfide	0.493	0.583	0.643	0.677	0.571	0.616	0.605	0.598	9.78	
13)	T	Methyl acetate	0.125	0.130	0.134	0.137	0.128	0.132	0.127	0.131	3.27	
14)	T	Methylene chlo...	2.260	0.709	0.334	0.280	0.235	0.234	0.224	0.611	122.32	*
15)	T	Acrylonitrile	0.063	0.066	0.066	0.072	0.067	0.069	0.069	0.067	3.82	
16)	T	tert-Butyl Alc...	0.025	0.022	0.023	0.024	0.022	0.021	0.020	0.023	7.31	
17)	T	Methyl tert-bu...	0.525	0.584	0.619	0.644	0.585	0.587	0.560	0.586	6.57	
18)	T	trans-1,2-Dich...	0.287	0.328	0.323	0.347	0.308	0.307	0.288	0.313	6.94	
19)	TP	1,1-Dichloroet...	0.344	0.426	0.445	0.454	0.423	0.424	0.419	0.419	8.46	
20)	T	Vinyl acetate	0.301	0.327	0.318	0.350	0.334	0.337	0.320	0.327	4.84	
21)	T	2,2-Dichloropr...	0.370	0.420	0.439	0.454	0.404	0.406	0.362	0.408	8.23	
22)	T	2-Butanone		0.034	0.029	0.029	0.027	0.026	0.021	0.028	15.13	
23)	T	cis-1,2-Dichlo...	0.286	0.312	0.317	0.320	0.274	0.273	0.221	0.286	12.19	
24)	T	Bromochloromet...	0.121	0.134	0.141	0.143	0.130	0.129	0.118	0.131	6.97	
25)	TC	Chloroform	0.467	0.490	0.507	0.509	0.465	0.462	0.432	0.476	5.80	
26)	S	Pentafluoroben...		0.595	0.589	0.586	0.507	0.497	0.456	0.538	11.02	
27)	UN	Tetrahydrofuran	0.110	0.113	0.115	0.122	0.110	0.108	0.104	0.112	5.09	
28)	T	1,1,1-Trichlor...	0.411	0.429	0.461	0.469	0.421	0.427	0.403	0.432	5.75	
29)	S	1,2-Dichloroet...	0.368	0.294	0.293	0.293	0.275	0.279	0.270	0.296	11.20	
30)	T	Carbon Tetrach...	0.315	0.355	0.391	0.404	0.370	0.376	0.357	0.367	7.83	
31)	T	Benzene	1.020	1.082	1.075	1.058	0.927	0.895	0.822	0.983	10.35	
32)	T	1,2-Dichloroet...	0.345	0.359	0.352	0.356	0.328	0.326	0.311	0.340	5.34	
33)	T	Trichloroethene	0.291	0.294	0.312	0.321	0.288	0.288	0.270	0.295	5.68	
34)	T	Methylcyclohexane	0.425	0.472	0.501	0.504	0.447	0.445	0.415	0.458	7.69	
35)	UN	Ethyl acetate								0.000	-1.00	
36)	TC	1,2-Dichloropr...	0.251	0.269	0.281	0.278	0.255	0.248	0.232	0.259	6.84	
37)	UN	Isobutyl alcohol								0.000	-1.00	
38)	T	Dibromomethane	0.139	0.149	0.156	0.159	0.145	0.143	0.134	0.146	6.12	

Initial Calibration Summary Table

11/21/13

*curve is not avg of response factors

Method Path : C:\msdchem\1\METHODS\
Method File : 112111.M

39)	T	Bromodichlorom...	0.312	0.330	0.371	0.386	0.363	0.368	0.350	0.354	7.24
40)	T	2-Chloroethyl ...		0.028	0.037	0.043	0.042	0.043	0.041	0.039	14.63
41)	UN	Isopropyl acetate								0.000	-1.00
42)	T	1,1-Dichloropr...	0.314	0.369	0.372	0.370	0.332	0.328	0.303	0.341	8.49
43)	T	cis-1,3-Dichlo...	0.353	0.378	0.437	0.454	0.422	0.424	0.398	0.409	8.63
44)	T	4-Methyl-2-pen...		0.070	0.085	0.092	0.089	0.089	0.086	0.085	9.15
45)	S	Toluene-D8	1.222	1.014	1.030	1.005	0.893	0.863	0.807	0.976	14.12
46)	TC	Toluene	1.353	1.214	1.200	1.157	1.014	0.989	0.913	1.120	13.74
47)	T	trans-1,3-Dich...	0.323	0.341	0.378	0.405	0.379	0.384	0.361	0.367	7.66
48)	T	1,1,2-Trichlor...	0.266	0.228	0.232	0.239	0.214	0.214	0.201	0.228	9.25
49)	T	1,3-Dichloropr...	0.370	0.365	0.375	0.386	0.348	0.343	0.316	0.358	6.57
50)	T	Tetrachloroethene	0.352	0.336	0.351	0.363	0.322	0.315	0.294	0.333	7.25
51)	T	2-Hexanone		0.137	0.145	0.163	0.155	0.157	0.151	0.151	6.19
52)	T	Dibromochlorom...	0.233	0.233	0.263	0.291	0.276	0.281	0.263	0.263	8.62
53)	T	1,2-Dibromoethane	0.216	0.216	0.227	0.244	0.228	0.229	0.218	0.225	4.46
54)	I	Chlorobenzene-d5	----------ISTD----------								
55)	TP	Chlorobenzene	1.158	1.072	1.077	1.076	0.989	0.953	0.917	1.035	8.13
56)	T	1,1,1,2-Tetrac...	0.409	0.373	0.412	0.417	0.386	0.380	0.370	0.393	5.01
57)	TC	Ethylbenzene	1.911	1.801	1.857	1.856	1.662	1.606	1.544	1.748	8.16
58)	T	m,p-Xylene	0.749	0.681	0.672	0.647	0.565	0.536	0.514	0.624	13.89
59)	T	o-Xylene	0.776	0.675	0.670	0.676	0.584	0.559	0.532	0.639	13.32
60)	T	Styrene	1.105	1.053	1.037	1.032	0.893	0.849	0.811	0.969	11.88
61)	TP	Bromoform	0.205	0.196	0.226	0.266	0.259	0.261	0.260	0.239	12.39
62)	T	Isopropylbenzene	1.904	1.735	1.801	1.853	1.605	1.577	1.525	1.714	8.57
63)	T	1,2,3-Trichlor...	0.122	0.113	0.111	0.118	0.110	0.108	0.108	0.113	4.68
64)	S	4-Bromofluorob...		0.562	0.523	0.544	0.498	0.491	0.473	0.515	6.60
65)	T	Bromobenzene	0.551	0.470	0.459	0.477	0.423	0.404	0.378	0.452	12.57
66)	TP	1,1,2,2-Tetrac...	0.442	0.371	0.357	0.382	0.340	0.327	0.311	0.361	11.94
67)	T	n-Propylbenzene	2.251	2.059	1.995	2.101	1.856	1.813	1.730	1.972	9.25
68)	T	2-Chlorotoluene	0.499	0.459	0.438	0.451	0.408	0.395	0.377	0.432	9.76
69)	T	4-Chlorotoluene	0.588	0.484	0.425	0.428	0.368	0.357	0.333	0.426	20.69 *
70)	T	1,3,5-Trimethy...	1.788	1.535	1.422	1.480	1.295	1.248	1.186	1.422	14.44
71)	T	tert-Butylbenzene	0.408	0.339	0.335	0.353	0.306	0.295	0.279	0.331	13.07
72)	T	1,2,4-Trimethy...	1.864	1.479	1.412	1.492	1.334	1.297	1.222	1.443	14.54
73)	T	sec-Butylbenzene	2.184	1.851	1.850	1.964	1.712	1.676	1.585	1.831	10.95
74)	T	p-Isopropyltol...	1.849	1.586	1.565	1.657	1.462	1.438	1.361	1.560	10.40
75)	I	1,4-Dichlorobenzen...	----------ISTD----------								
76)	T	1,3-Dichlorobe...	2.107	1.720	1.792	1.844	1.701	1.673	1.626	1.780	9.07
77)	T	1,4-Dichlorobe...	2.118	1.675	1.697	1.759	1.634	1.625	1.567	1.725	10.65
78)	T	n-Butylbenzene	3.289	2.946	3.238	3.296	2.976	2.942	2.828	3.074	6.33
79)	T	1,2-Dichlorobe...	1.870	1.599	1.643	1.608	1.430	1.399	1.340	1.556	11.67
80)	UN	Tetraethyllead								0.000	-1.00
81)	T	1,2-Dibromo-3-...		0.128	0.157	0.186	0.194	0.204	0.214	0.181	17.83 *
82)	T	1,2,4-Trichlor...	1.408	1.295	1.395	1.508	1.425	1.434	1.434	1.414	4.50
83)	T	1,2,3-Trichlor...	1.253	1.128	1.249	1.366	1.303	1.327	1.317	1.278	6.09
84)	T	Hexachlorobuta...	0.995	0.840	0.925	0.991	0.913	0.943	0.955	0.938	5.64

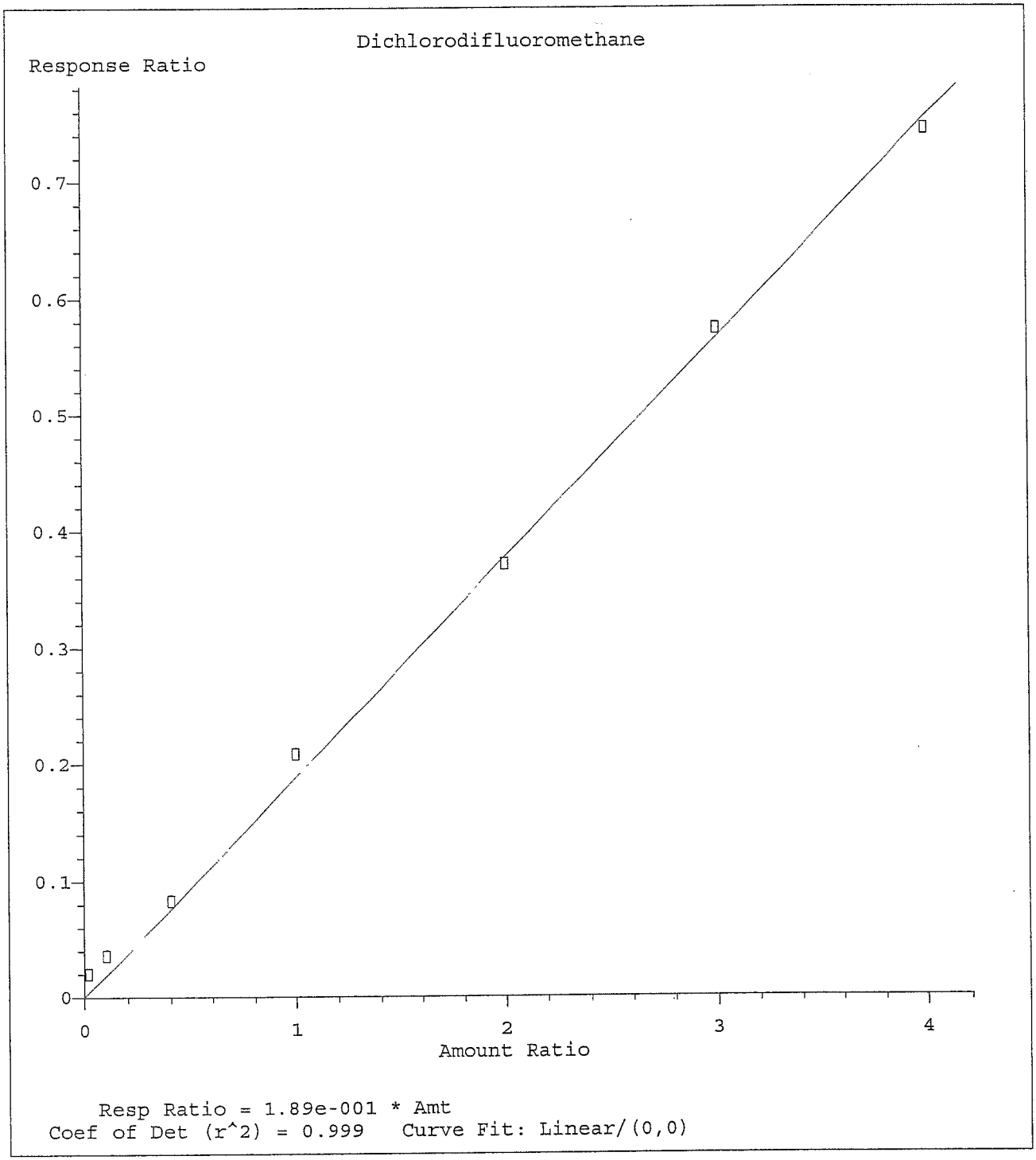
ICAL Summary Table

Method Path : C:\msdchem\1\METHODS\
Method File : 112111.M

85)	T	Naphthalene	3.453	2.408	2.612	2.859	2.776	2.795	2.886	2.827	11.38
86)	TM	Cyclohexane	0.983	1.296	1.438	1.315	1.289	1.287	1.275	1.269	10.86
87)	T	1,4-Dioxane			0.009	0.010	0.010	0.010	0.010	0.010	5.48
88)	T	tert-Butyl Ace...	0.424	0.461	0.604	0.573	0.533	0.523	0.521	0.520	11.86

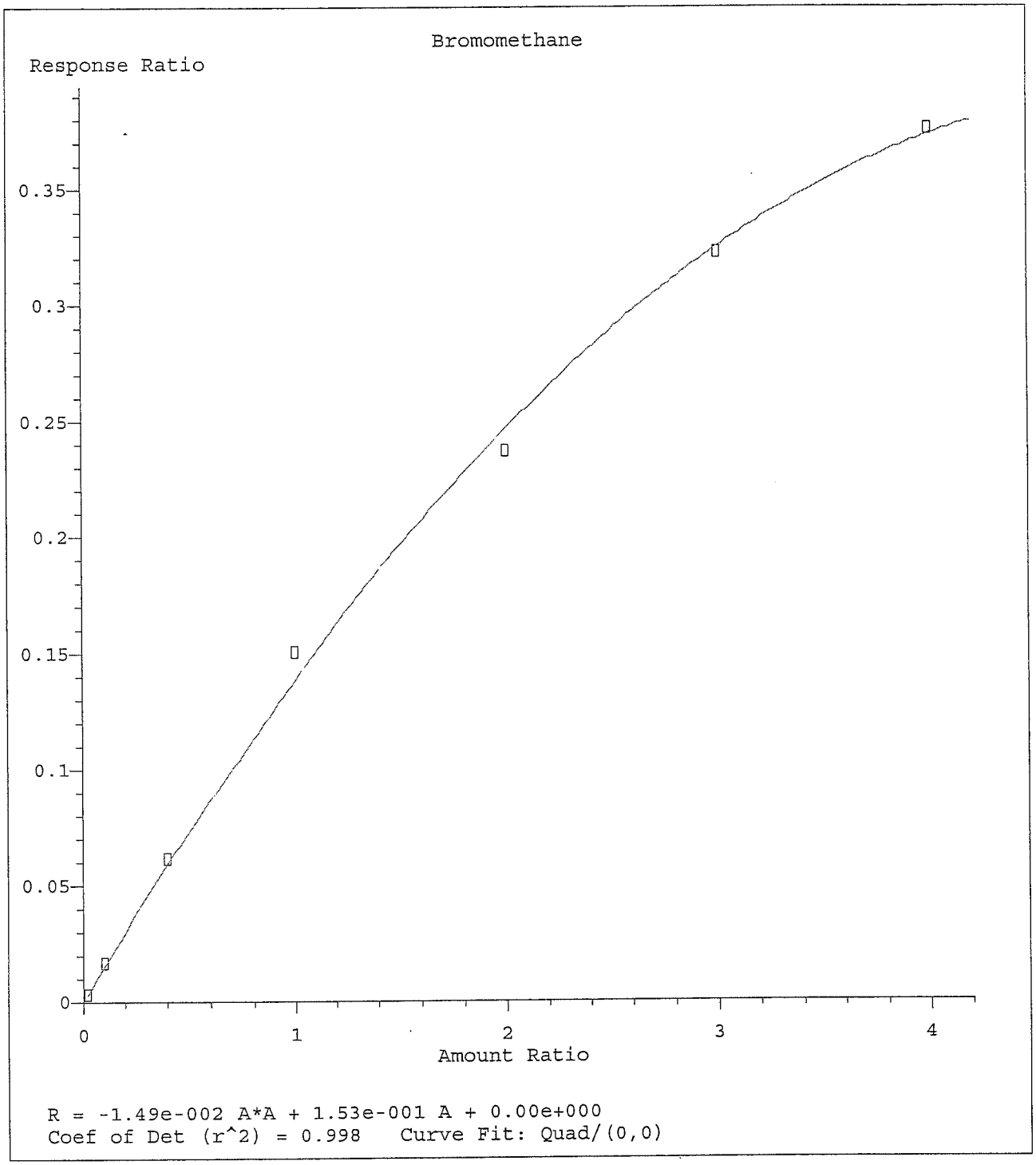
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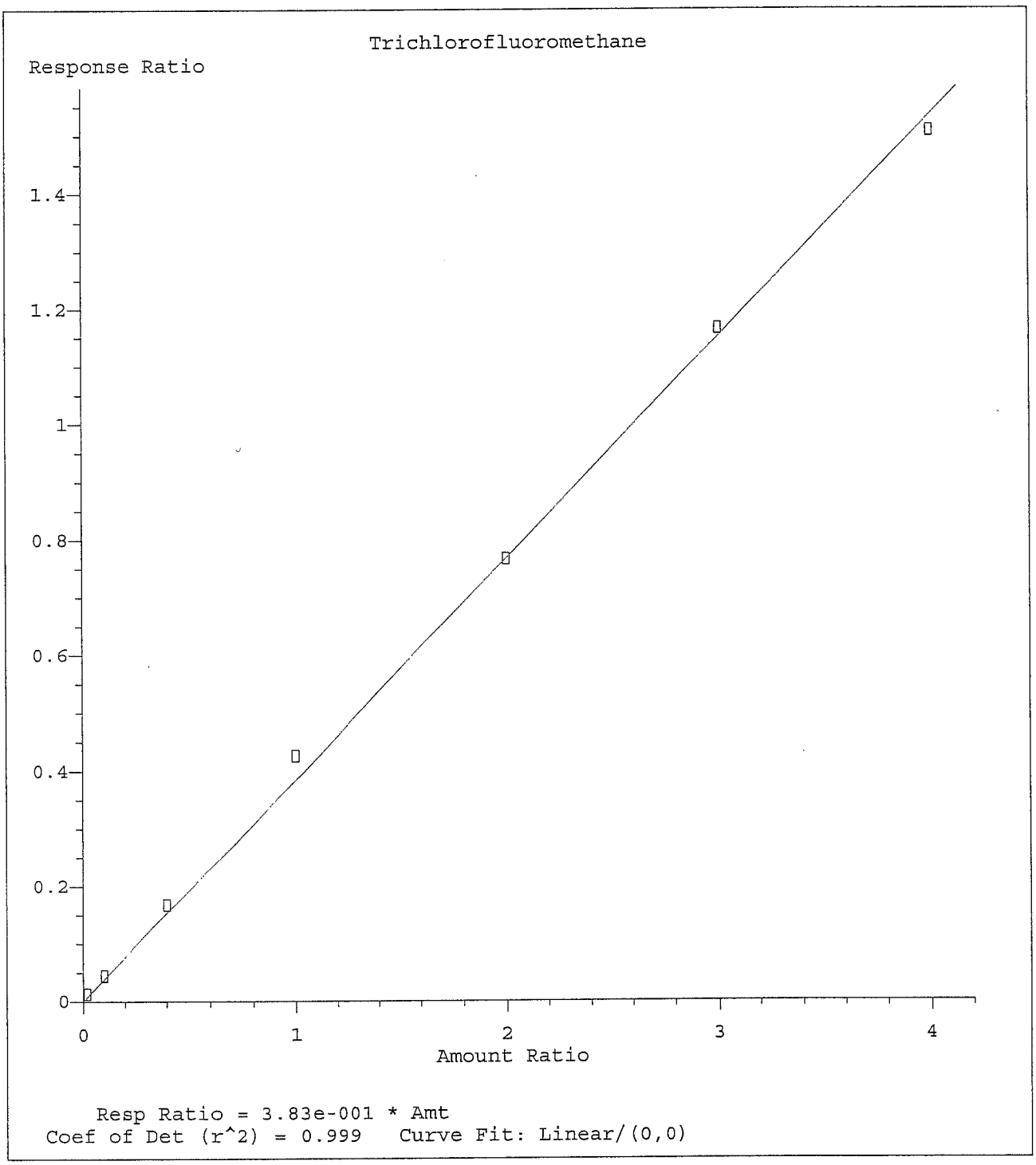


Method Name: C:\msdchem\1\METHODS\112111.M
Calibration Table Last Updated: Mon Nov 21 16:05:50 2011

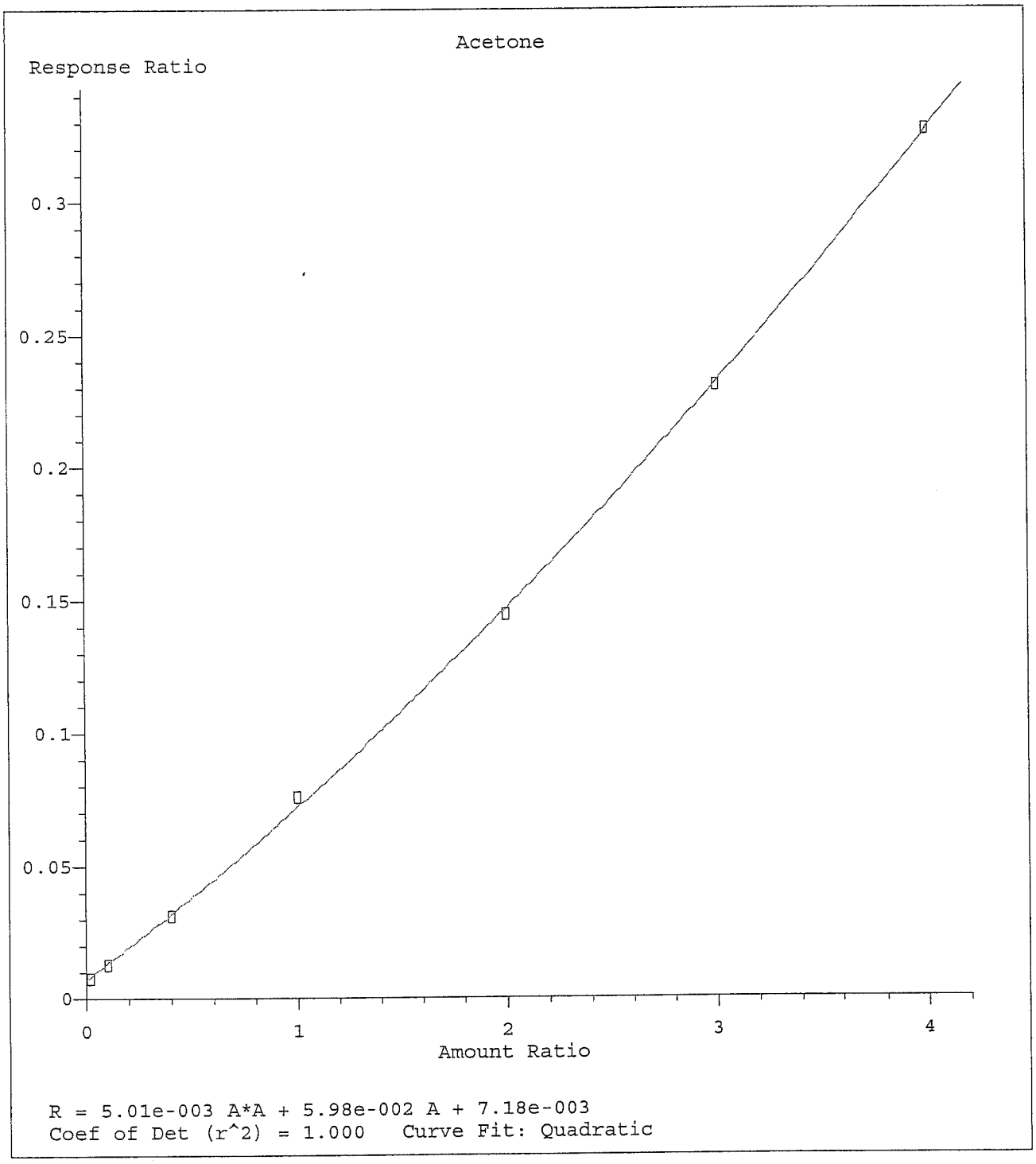
11/21 BB



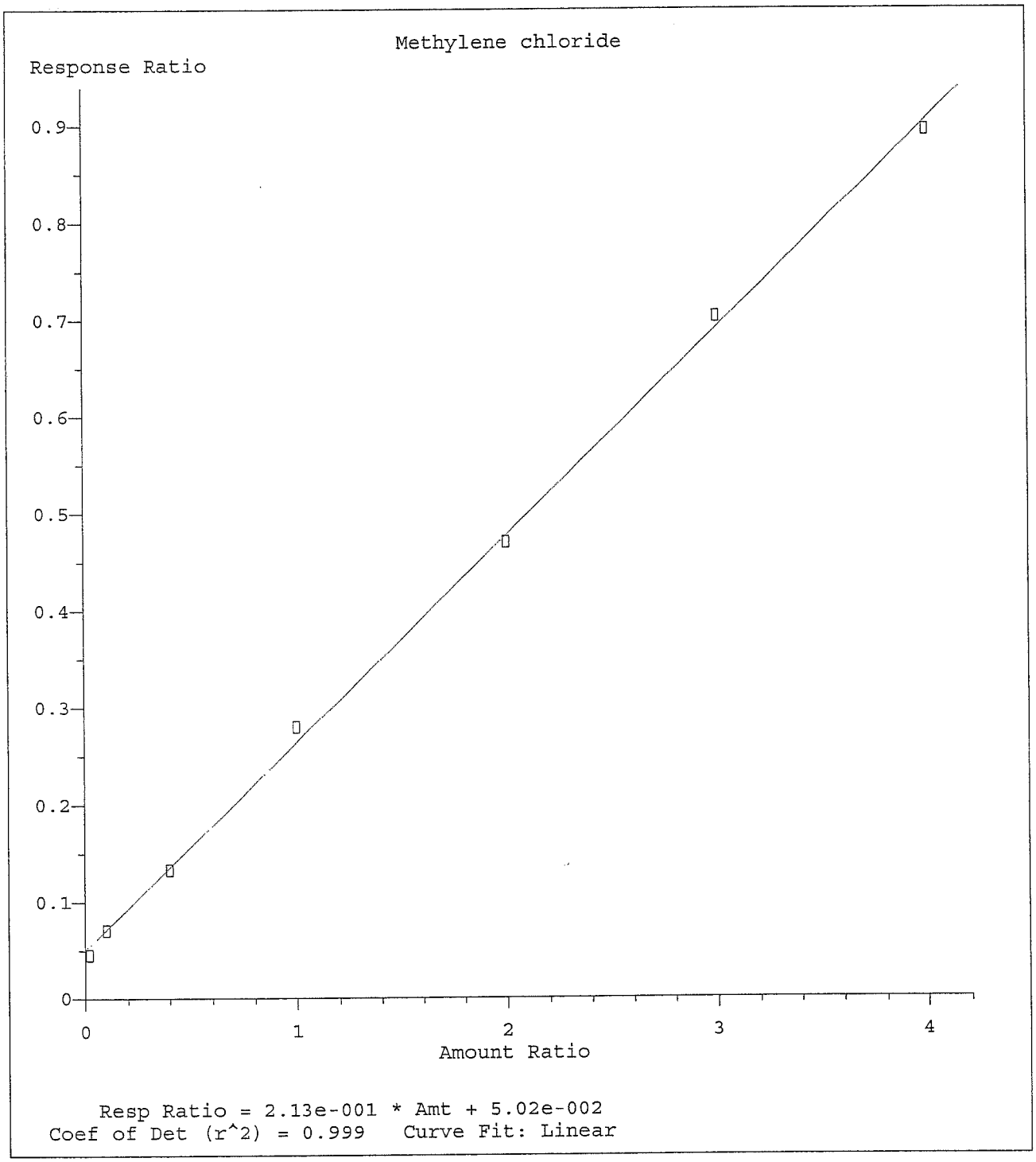
Method Name: C:\msdchem\1\METHODS\112111.M
Calibration Table Last Updated: Mon Nov 21 16:05:50 2011



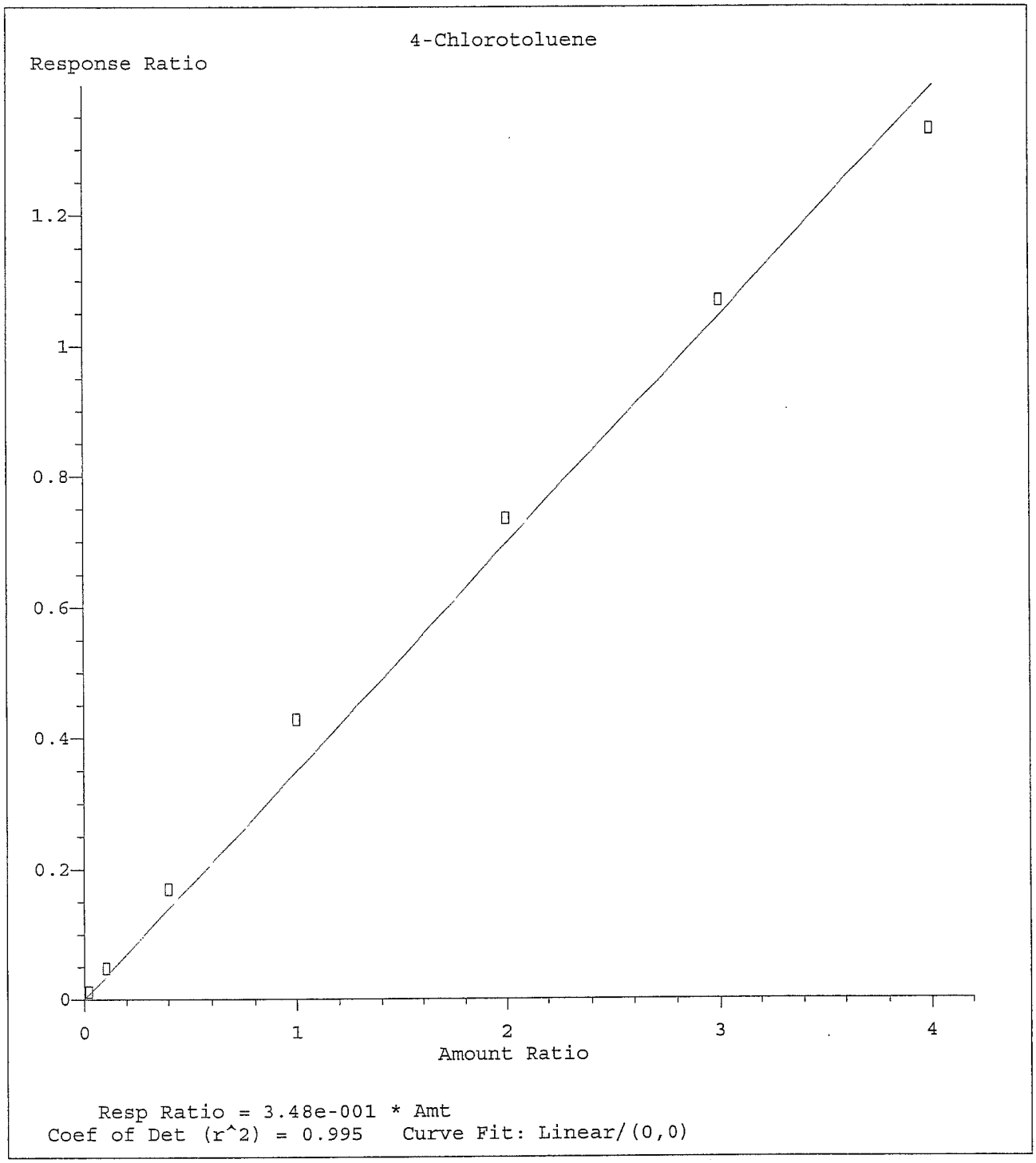
Method Name: C:\msdchem\1\METHODS\112111.M
Calibration Table Last Updated: Mon Nov 21 16:05:50 2011



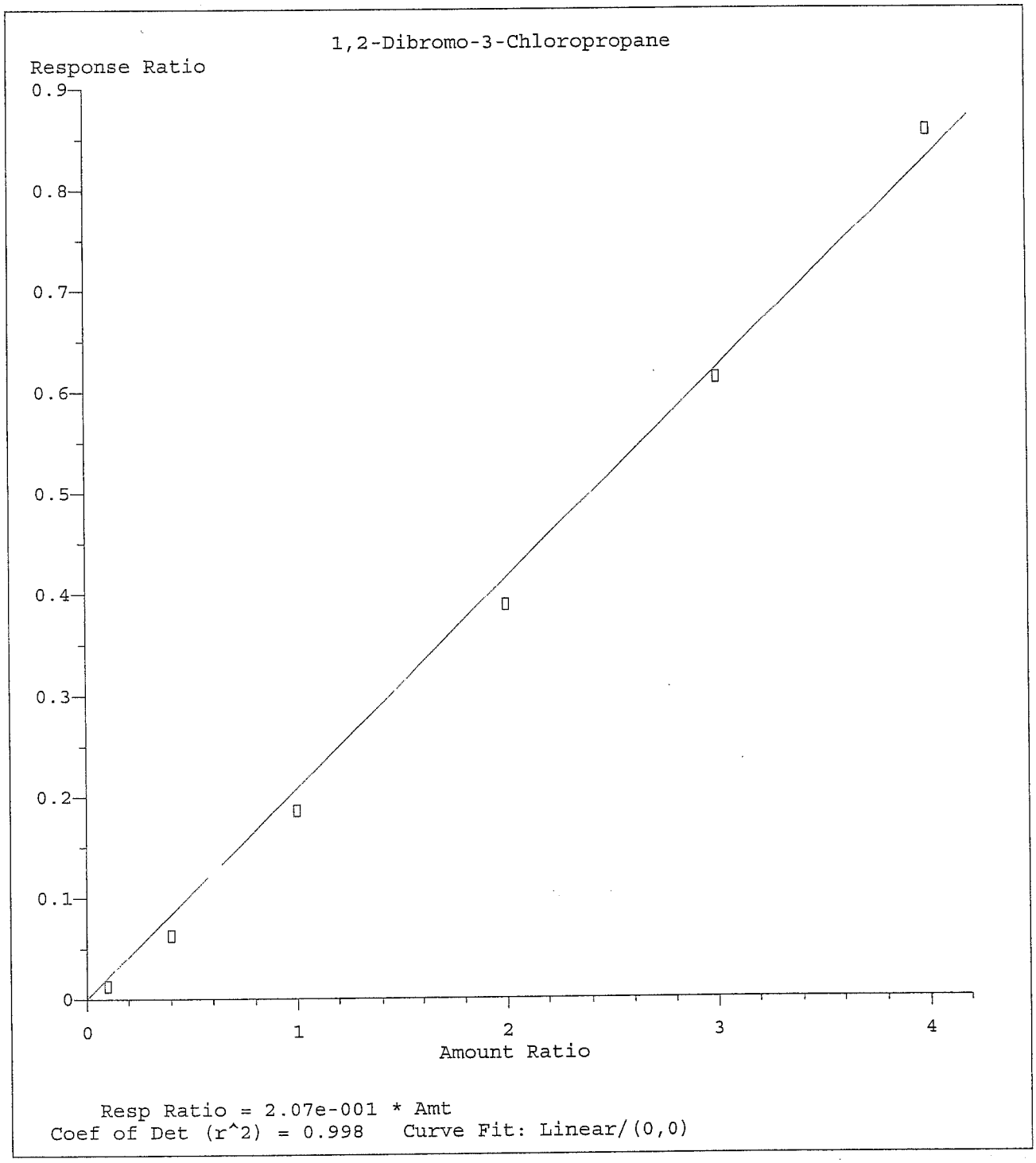
Method Name: C:\msdchem\1\METHODS\112111.M
Calibration Table Last Updated: Mon Nov 21 16:05:50 2011



Method Name: C:\msdchem\1\METHODS\112111.M
Calibration Table Last Updated: Mon Nov 21 16:05:50 2011



Method Name: C:\msdchem\1\METHODS\112111.M
Calibration Table Last Updated: Mon Nov 21 16:05:50 2011



Method Name: C:\msdchem\1\METHODS\112111.M
Calibration Table Last Updated: Mon Nov 21 16:05:50 2011

Quantitation Report (Not Reviewed)

Data File: C:\msdchem\1\DATA\111121\V93584.D
DataAcq Meth:8260RUN.M
Acq On : 21 Nov 2011 1:22 pm
Sample : 1ppb mega Cal
Misc :
ALS Vial : 3 Sample Multiplier: 1

Operator: Bill Brew
Inst : Instrument #1

Quant Time: Nov 21 16:08:08 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.076	96	335415	50.00 ug/L	0.00
54) Chlorobenzene-d5	8.021	117	238585	50.00 ug/L	0.00
75) 1,4-Dichlorobenzene-d4	10.562	152	129065	50.00 ug/L	0.00
System Monitoring Compounds					
26) Pentafluorobenzene	4.505	168	4952	1.37 ug/L	0.00
Spiked Amount 50.000	Range 89 - 116		Recovery =	2.74%#	
29) 1,2-Dichloroethane-d4	4.777	65	2467	1.24 ug/L	0.00
Spiked Amount 50.000	Range 66 - 106		Recovery =	2.48%#	
45) Toluene-D8	6.559	98	8198	1.25 ug/L	0.00
Spiked Amount 50.000	Range 87 - 107		Recovery =	2.50%#	
64) 4-Bromofluorobenzene	9.281	95	4392	1.79 ug/L	0.00
Spiked Amount 50.000	Range 84 - 97		Recovery =	3.58%#	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.452	85	6839	5.40 ug/L	97
3) Chloromethane	1.591	50	1687	0.91 ug/L	98
4) Vinyl chloride	1.671	62	1478	0.89 ug/L	93
5) Bromomethane	1.927	94	1130	1.10 ug/L	91
6) Chloroethane	2.007	64	897	0.98 ug/L	98
7) Trichlorofluoromethane	2.210	101	4404	1.71 ug/L	99
8) Ethyl ether	2.429	59	983	0.87 ug/L	100
9) Freon 113	2.621	101	1353	0.89 ug/L	99
10) 1,1-Dichloroethene	2.615	61	1887	0.86 ug/L	93
12) Carbon disulfide	2.807	76	3310	0.82 ug/L	92
13) Methyl acetate	2.914	43	841	0.96 ug/L #	98
14) Methylene chloride	3.005	84	15164	Below Cal	92
15) Acrylonitrile	3.197	53	425	0.94 ug/L	86
16) tert-Butyl Alcohol	3.080	59	16837	110.42 ug/L #	82
17) Methyl tert-butyl Ether	3.234	73	3521	0.90 ug/L	64
18) trans-1,2-Dichloroethene	3.229	61	1927	0.92 ug/L	98
19) 1,1-Dichloroethane	3.581	63	2310	0.82 ug/L	95
20) Vinyl acetate	3.613	43	2019	0.92 ug/L	100
21) 2,2-Dichloropropane	4.072	77	2484	0.91 ug/L	99
22) 2-Butanone	4.083	72	510	2.74 ug/L	98
23) cis-1,2-Dichloroethene	4.067	96	1921	1.00 ug/L	98
24) Bromochloromethane	4.270	128	815	0.93 ug/L	89
25) Chloroform	4.339	83	3135	0.98 ug/L	90
27) Tetrahydrofuran	4.312	42	737	0.98 ug/L #	75
28) 1,1,1-Trichloroethane	4.505	97	2754	0.95 ug/L #	84
30) Carbon Tetrachloride	4.649	117	2115	0.86 ug/L	98
31) Benzene	4.835	78	6844	1.04 ug/L	99
32) 1,2-Dichloroethane	4.846	62	2315	1.02 ug/L	98
33) Trichloroethene	5.406	130	1954	0.99 ug/L	99
34) Methylcyclohexane	5.588	83	2849	0.93 ug/L	95
36) 1,2-Dichloropropane	5.620	63	1683	0.97 ug/L #	60
38) Dibromomethane	5.721	93	935	0.95 ug/L	90
39) Bromodichloromethane	5.865	83	2095	0.88 ug/L	96
40) 2-Chloroethyl vinyl Ether	6.148	63	175	0.67 ug/L #	53
42) 1,1-Dichloropropene	4.643	75	2105	0.92 ug/L	95

11/21/11

Quantitation Report (Not Reviewed)

Data File: C:\msdchem\1\DATA\111121\V93584.D
DataAcq Meth:8260RUN.M
Acq On : 21 Nov 2011 1:22 pm Operator: Bill Brew
Sample : 1ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 21 16:08:08 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) cis-1,3-Dichloropropene	6.298	75	2365	0.86	ug/L		98
44) 4-Methyl-2-pentanone	6.442	58	523	0.92	ug/L		97
46) Toluene	6.623	91	9075	1.21	ug/L		97
47) trans-1,3-Dichloropropene	6.837	75	2164	0.88	ug/L		96
48) 1,1,2-Trichloroethane	7.024	97	1784	1.17	ug/L		91
49) 1,3-Dichloropropane	7.194	76	2482	1.03	ug/L		100
50) Tetrachloroethene	7.173	166	2361	1.06	ug/L		97
51) 2-Hexanone	7.280	43	1017	1.00	ug/L		89
52) Dibromochloromethane	7.418	129	1560	0.88	ug/L	#	96
53) 1,2-Dibromoethane	7.547	107	1447	0.96	ug/L		96
55) Chlorobenzene	8.048	112	5524	1.12	ug/L		99
56) 1,1,1,2-Tetrachloroethane	8.139	131	1952	1.04	ug/L	#	67
57) Ethylbenzene	8.171	91	9119	1.09	ug/L		99
58) m,p-Xylene	8.294	106	7149	2.40	ug/L		96
59) o-Xylene	8.715	106	3704	1.22	ug/L		98
60) Styrene	8.731	104	5273	1.14	ug/L		98
61) Bromoform	8.929	173	977	0.86	ug/L		97
62) Isopropylbenzene	9.116	105	9087	1.11	ug/L		97
63) 1,2,3-Trichloropropane	9.484	110	582	1.08	ug/L	#	69
65) Bromobenzene	9.441	156	2630	1.22	ug/L		94
66) 1,1,2,2-Tetrachloroethane	9.436	83	2108	1.22	ug/L		97
67) n-Propylbenzene	9.564	91	10743	1.14	ug/L		99
68) 2-Chlorotoluene	9.660	126	2382	1.15	ug/L		96
69) 4-Chlorotoluene	9.783	126	2808	1.69	ug/L	#	89
70) 1,3,5-Trimethylbenzene	9.767	105	8534	1.26	ug/L		98
71) tert-Butylbenzene	10.124	134	1949	1.23	ug/L		93
72) 1,2,4-Trimethylbenzene	10.178	105	8896	1.29	ug/L		97
73) sec-Butylbenzene	10.370	105	10420	1.19	ug/L		98
74) p-Isopropyltoluene	10.535	119	8823	1.19	ug/L		95
76) 1,3-Dichlorobenzene	10.487	146	5439	1.18	ug/L		96
77) 1,4-Dichlorobenzene	10.589	146	5468	1.23	ug/L	#	65
78) n-Butylbenzene	10.999	91	8491	1.07	ug/L		97
79) 1,2-Dichlorobenzene	11.005	146	4827	1.20	ug/L		97
81) 1,2-Dibromo-3-Chloropr...	11.885	157	330	0.62	ug/L	#	84
82) 1,2,4-Trichlorobenzene	12.777	180	3635	1.00	ug/L		98
83) 1,2,3-Trichlorobenzene	13.268	180	3235	0.98	ug/L		97
84) Hexachlorobutadiene	12.953	225	2569	1.06	ug/L		97
85) Naphthalene	13.022	128	8912	1.22	ug/L		96
86) Cyclohexane	4.558	56	2537	0.77	ug/L	#	75
88) tert-Butyl Acetate	5.508	57	5466	4.07	ug/L		96

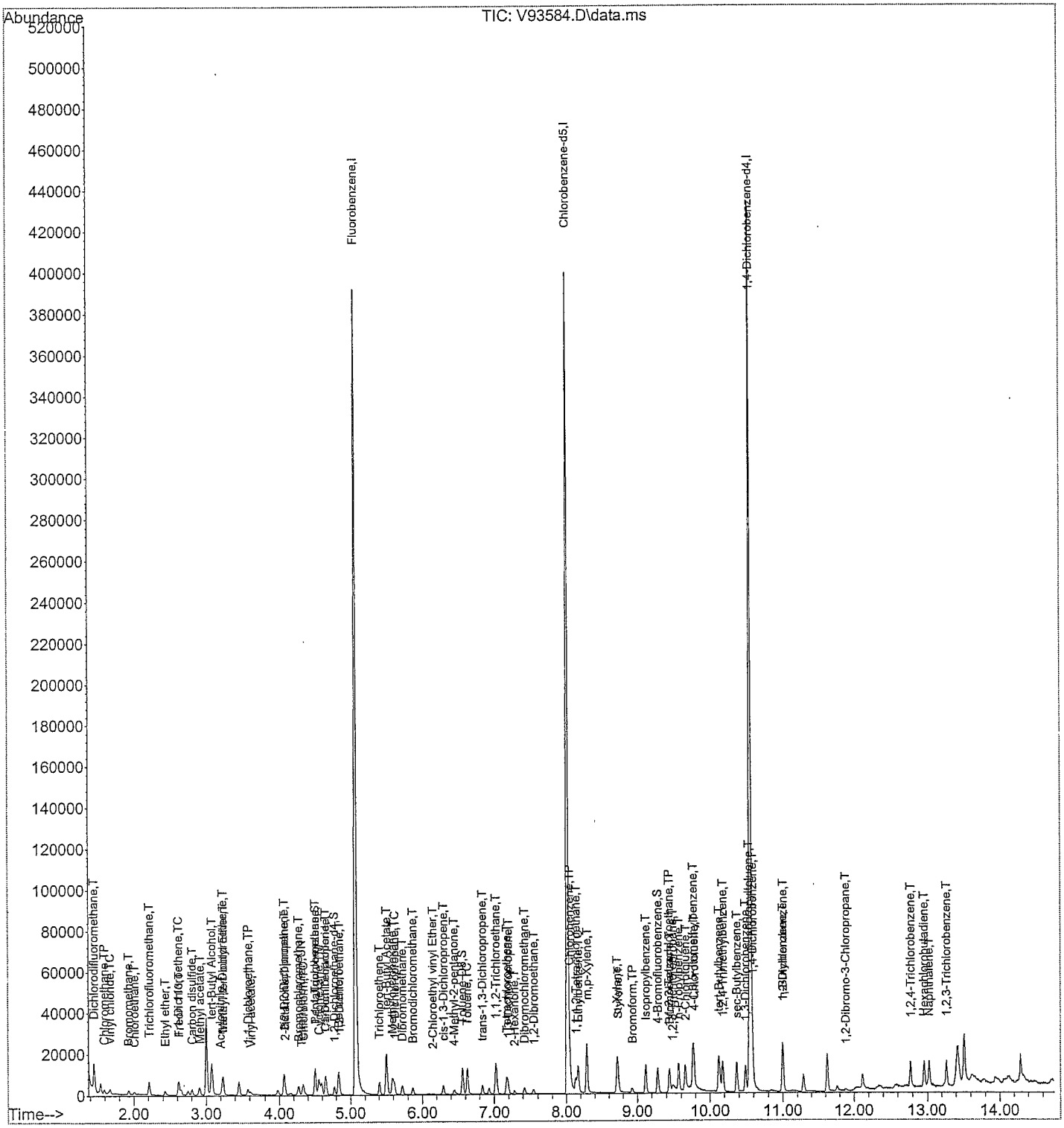
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File: C:\msdchem\1\DATA\111121\V93584.D
DataAcq Meth:8260RUN.M
Acq On : 21 Nov 2011 1:22 pm
Sample : 1ppb mega Cal
Misc :
ALS Vial : 3 Sample Multiplier: 1

Operator: Bill Brew
Inst : Instrument #1

Quant Time: Nov 21 16:08:08 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE



Data File: C:\msdchem\1\DATA\111121\V93585.D
DataAcq Meth:8260RUN.M
Acq On : 21 Nov 2011 1:45 pm
Sample : 5ppb mega Cal
Misc :
ALS Vial : 4 Sample Multiplier: 1

Operator: Bill Brew
Inst : Instrument #1

Quant Time: Nov 21 16:08:31 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.079	96	338019	50.00	ug/L	0.00
54) Chlorobenzene-d5	8.025	117	242721	50.00	ug/L	0.00
75) 1,4-Dichlorobenzene-d4	10.560	152	130741	50.00	ug/L	0.00
System Monitoring Compounds						
26) Pentafluorobenzene	4.502	168	20101	5.52	ug/L	0.00
Spiked Amount 50.000	Range 89 - 116		Recovery = 11.04%#			
29) 1,2-Dichloroethane-d4	4.774	65	9950	4.97	ug/L	0.00
Spiked Amount 50.000	Range 66 - 106		Recovery = 9.94%#			
45) Toluene-D8	6.562	98	34284	5.19	ug/L	0.00
Spiked Amount 50.000	Range 87 - 107		Recovery = 10.38%#			
64) 4-Bromofluorobenzene	9.279	95	13652	5.46	ug/L	0.00
Spiked Amount 50.000	Range 84 - 97		Recovery = 10.92%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.450	85	12263	9.62	ug/L	99
3) Chloromethane	1.594	50	9397	5.01	ug/L	100
4) Vinyl chloride	1.674	62	8269	4.95	ug/L	99
5) Bromomethane	1.930	94	5703	5.58	ug/L	98
6) Chloroethane	2.010	64	4959	5.36	ug/L	97
7) Trichlorofluoromethane	2.207	101	15187	5.86	ug/L	99
8) Ethyl ether	2.432	59	5626	4.92	ug/L	100
9) Freon 113	2.618	101	7861	5.14	ug/L	100
10) 1,1-Dichloroethene	2.618	61	11462	5.15	ug/L	99
11) Acetone	2.650	43	4339	4.69	ug/L	89
12) Carbon disulfide	2.805	76	19694	4.87	ug/L	99
13) Methyl acetate	2.917	43	4390	4.97	ug/L #	93
14) Methylene chloride	3.003	84	23972	4.85	ug/L	91
15) Acrylonitrile	3.200	53	2244	4.92	ug/L	95
16) tert-Butyl Alcohol	3.083	59	75248	489.67	ug/L	98
17) Methyl tert-butyl Ether	3.227	73	19750	4.98	ug/L	96
18) trans-1,2-Dichloroethene	3.232	61	11087	5.24	ug/L	99
19) 1,1-Dichloroethane	3.579	63	14405	5.08	ug/L	98
20) Vinyl acetate	3.611	43	11052	5.00	ug/L	99
21) 2,2-Dichloropropane	4.070	77	14204	5.15	ug/L	100
22) 2-Butanone	4.075	72	1153	6.16	ug/L	96
23) cis-1,2-Dichloroethene	4.065	96	10535	5.45	ug/L	98
24) Bromochloromethane	4.273	128	4541	5.13	ug/L #	91
25) Chloroform	4.337	83	16562	5.15	ug/L	99
27) Tetrahydrofuran	4.321	42	3822	5.06	ug/L	89
28) 1,1,1-Trichloroethane	4.502	97	14513	4.97	ug/L	95
30) Carbon Tetrachloride	4.652	117	12000	4.84	ug/L	99
31) Benzene	4.833	78	36588	5.51	ug/L	99
32) 1,2-Dichloroethane	4.844	62	12128	5.28	ug/L	99
33) Trichloroethene	5.410	130	9922	4.98	ug/L	99
34) Methylcyclohexane	5.591	83	15962	5.15	ug/L	96
36) 1,2-Dichloropropane	5.618	63	9087	5.18	ug/L	98
38) Dibromomethane	5.724	93	5027	5.08	ug/L	93
39) Bromodichloromethane	5.868	83	11152	4.65	ug/L	100
40) 2-Chloroethyl vinyl Ether	6.151	63	955	3.61	ug/L	93

11/21/11

Data File: C:\msdchem\1\DATA\111121\V93585.D
DataAcq Meth:8260RUN.M
Acq On : 21 Nov 2011 1:45 pm Operator: Bill Brew
Sample : 5ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 4 Sample Multiplier: 1

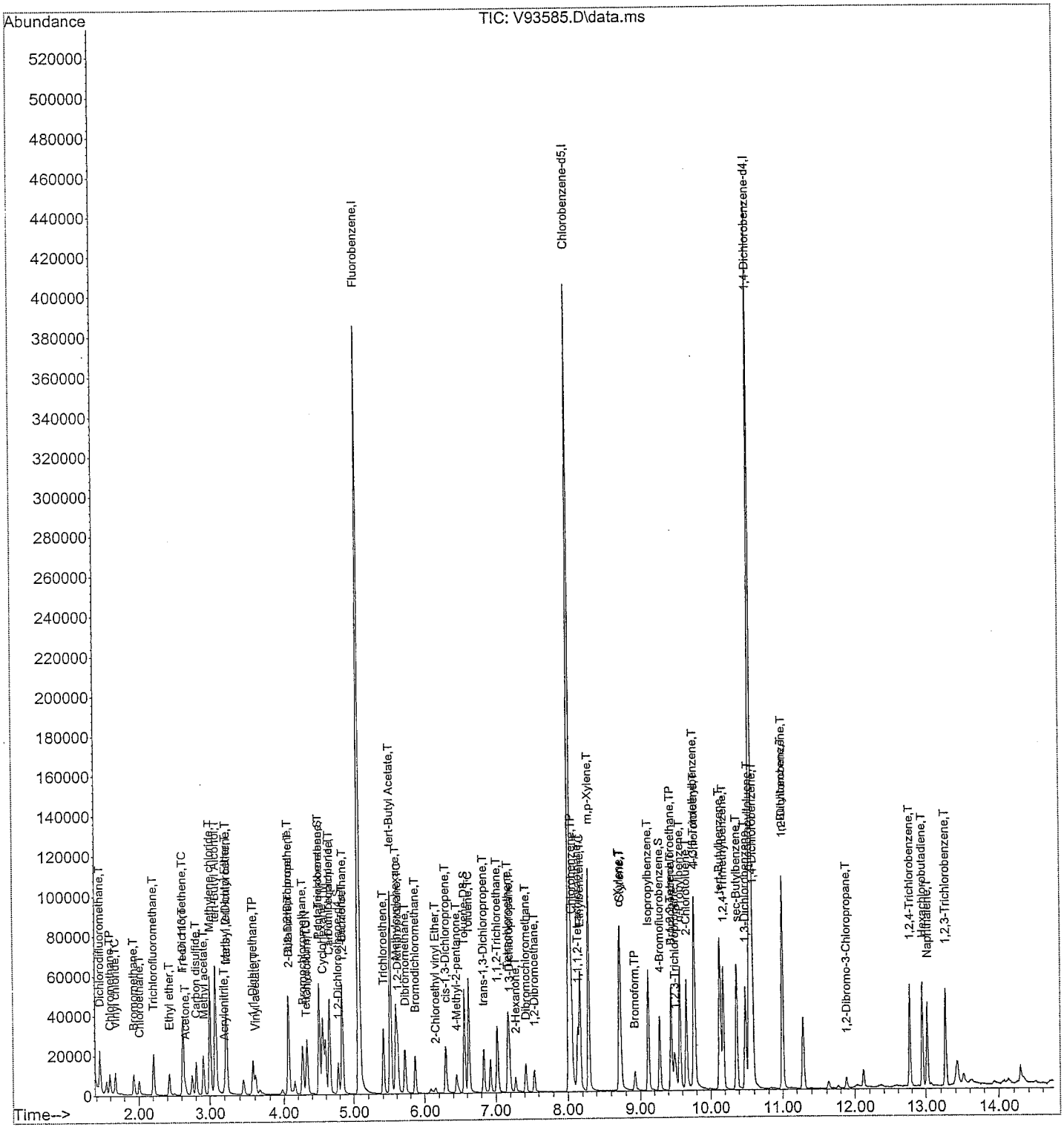
Quant Time: Nov 21 16:08:31 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 1,1-Dichloropropene	4.646	75	12483	5.41	ug/L		98
43) cis-1,3-Dichloropropene	6.295	75	12788	4.62	ug/L		95
44) 4-Methyl-2-pentanone	6.445	58	2360	4.11	ug/L		93
46) Toluene	6.626	91	41028	5.42	ug/L		99
47) trans-1,3-Dichloropropene	6.834	75	11513	4.64	ug/L		95
48) 1,1,2-Trichloroethane	7.021	97	7712	5.01	ug/L		98
49) 1,3-Dichloropropane	7.192	76	12328	5.10	ug/L		97
50) Tetrachloroethene	7.171	166	11363	5.04	ug/L		99
51) 2-Hexanone	7.277	43	4635	4.53	ug/L		95
52) Dibromochloromethane	7.421	129	7889	4.44	ug/L		99
53) 1,2-Dibromoethane	7.544	107	7303	4.79	ug/L		99
55) Chlorobenzene	8.051	112	26026	5.18	ug/L		95
56) 1,1,1,2-Tetrachloroethane	8.137	131	9055	4.75	ug/L		99
57) Ethylbenzene	8.169	91	43707	5.15	ug/L		99
58) m,p-Xylene	8.291	106	33052	10.92	ug/L		95
59) o-Xylene	8.713	106	16395	5.29	ug/L		97
60) Styrene	8.729	104	25555	5.44	ug/L		100
61) Bromoform	8.921	173	4749	4.10	ug/L		98
62) Isopropylbenzene	9.113	105	42100	5.06	ug/L		100
63) 1,2,3-Trichloropropane	9.492	110	2753	5.02	ug/L	#	54
65) Bromobenzene	9.444	156	11411	5.20	ug/L		92
66) 1,1,2,2-Tetrachloroethane	9.439	83	9014	5.14	ug/L		98
67) n-Propylbenzene	9.567	91	49965	5.22	ug/L		99
68) 2-Chlorotoluene	9.658	126	11129	5.30	ug/L		99
69) 4-Chlorotoluene	9.775	126	11744	6.95	ug/L		91
70) 1,3,5-Trimethylbenzene	9.764	105	37267	5.40	ug/L		100
71) tert-Butylbenzene	10.127	134	8221	5.12	ug/L		99
72) 1,2,4-Trimethylbenzene	10.181	105	35907	5.13	ug/L		99
73) sec-Butylbenzene	10.373	105	44916	5.05	ug/L		98
74) p-Isopropyltoluene	10.533	119	38485	5.08	ug/L		98
76) 1,3-Dichlorobenzene	10.485	146	22488	4.83	ug/L		98
77) 1,4-Dichlorobenzene	10.586	146	21897	4.85	ug/L		91
78) n-Butylbenzene	10.997	91	38514	4.79	ug/L		98
79) 1,2-Dichlorobenzene	11.002	146	20910	5.14	ug/L		98
81) 1,2-Dibromo-3-Chloropr...	11.883	157	1680	3.10	ug/L		98
82) 1,2,4-Trichlorobenzene	12.774	180	16930	4.58	ug/L		94
83) 1,2,3-Trichlorobenzene	13.265	180	14744	4.41	ug/L		98
84) Hexachlorobutadiene	12.956	225	10985	4.48	ug/L		99
85) Naphthalene	13.025	128	31480	4.26	ug/L		99
86) Cyclohexane	4.556	56	16938	5.10	ug/L		95
88) tert-Butyl Acetate	5.506	57	30135	22.18	ug/L		93

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

Data File: C:\msdchem\1\DATA\111121\V93585.D
DataAcq Meth:8260RUN.M
Acq On : 21 Nov 2011 1:45 pm Operator: Bill Brew
Sample : 5ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 21 16:08:31 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE



Data File: C:\msdchem\1\DATA\111121\V93586.D
DataAcq Meth:8260RUN.M
Acq On : 21 Nov 2011 2:08 pm
Sample : 20ppb mega Cal
Misc :
ALS Vial : 5 Sample Multiplier: 1

Operator: Bill Brew
Inst : Instrument #1

Quant Time: Nov 21 16:08:46 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.073	96	389454	50.00	ug/L	0.00
54) Chlorobenzene-d5	8.019	117	265419	50.00	ug/L	0.00
75) 1,4-Dichlorobenzene-d4	10.560	152	125715	50.00	ug/L	0.00
System Monitoring Compounds						
26) Pentafluorobenzene	4.508	168	91814	21.90	ug/L	0.00
Spiked Amount 50.000	Range 89 - 116		Recovery = 43.80%#			
29) 1,2-Dichloroethane-d4	4.780	65	45690	19.82	ug/L	0.00
Spiked Amount 50.000	Range 66 - 106		Recovery = 39.64%#			
45) Toluene-D8	6.562	98	160451	21.10	ug/L	0.00
Spiked Amount 50.000	Range 87 - 107		Recovery = 42.20%#			
64) 4-Bromofluorobenzene	9.279	95	55546	20.30	ug/L	0.00
Spiked Amount 50.000	Range 84 - 97		Recovery = 40.60%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.450	85	32432	22.07	ug/L	99
3) Chloromethane	1.594	50	43431	20.08	ug/L	98
4) Vinyl chloride	1.674	62	41463	21.55	ug/L	99
5) Bromomethane	1.930	94	24003	21.01	ug/L	99
6) Chloroethane	2.005	64	24304	22.79	ug/L	98
7) Trichlorofluoromethane	2.207	101	65294	21.88	ug/L	99
8) Ethyl ether	2.432	59	27732	21.07	ug/L	100
9) Freon 113	2.618	101	37672	21.38	ug/L	99
10) 1,1-Dichloroethene	2.618	61	55038	21.48	ug/L	98
11) Acetone	2.656	43	12199	19.55	ug/L	96
12) Carbon disulfide	2.805	76	100233	21.51	ug/L	100
13) Methyl acetate	2.917	43	20920	20.57	ug/L #	90
14) Methylene chloride	3.003	84	51980	19.50	ug/L	91
15) Acrylonitrile	3.205	53	10324	19.65	ug/L	96
16) tert-Butyl Alcohol	3.083	59	365000	2061.50	ug/L	98
17) Methyl tert-butyl Ether	3.227	73	96400	21.11	ug/L	97
18) trans-1,2-Dichloroethene	3.232	61	50395	20.69	ug/L	96
19) 1,1-Dichloroethane	3.579	63	69253	21.21	ug/L	99
20) Vinyl acetate	3.611	43	49510	19.45	ug/L	94
21) 2,2-Dichloropropane	4.070	77	68377	21.52	ug/L	100
22) 2-Butanone	4.075	72	4466	20.70	ug/L	98
23) cis-1,2-Dichloroethene	4.065	96	49406	22.17	ug/L	98
24) Bromochloromethane	4.273	128	21894	21.49	ug/L #	89
25) Chloroform	4.337	83	78996	21.30	ug/L	100
27) Tetrahydrofuran	4.321	42	17990	20.65	ug/L	91
28) 1,1,1-Trichloroethane	4.508	97	71874	21.37	ug/L	98
30) Carbon Tetrachloride	4.652	117	60906	21.31	ug/L	99
31) Benzene	4.833	78	167488	21.88	ug/L	99
32) 1,2-Dichloroethane	4.844	62	54783	20.72	ug/L	99
33) Trichloroethene	5.410	130	48598	21.15	ug/L	98
34) Methylcyclohexane	5.591	83	78090	21.88	ug/L	95
36) 1,2-Dichloropropane	5.618	63	43825	21.70	ug/L	95
38) Dibromomethane	5.724	93	24362	21.36	ug/L	96
39) Bromodichloromethane	5.869	83	57807	20.94	ug/L	100
40) 2-Chloroethyl vinyl Ether	6.151	63	5837	19.14	ug/L	96

11/21 AB

Data File: C:\msdchem\1\DATA\111121\V93586.D
DataAcq Meth:8260RUN.M
Acq On : 21 Nov 2011 2:08 pm Operator: Bill Brew
Sample : 20ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 5 Sample Multiplier: 1

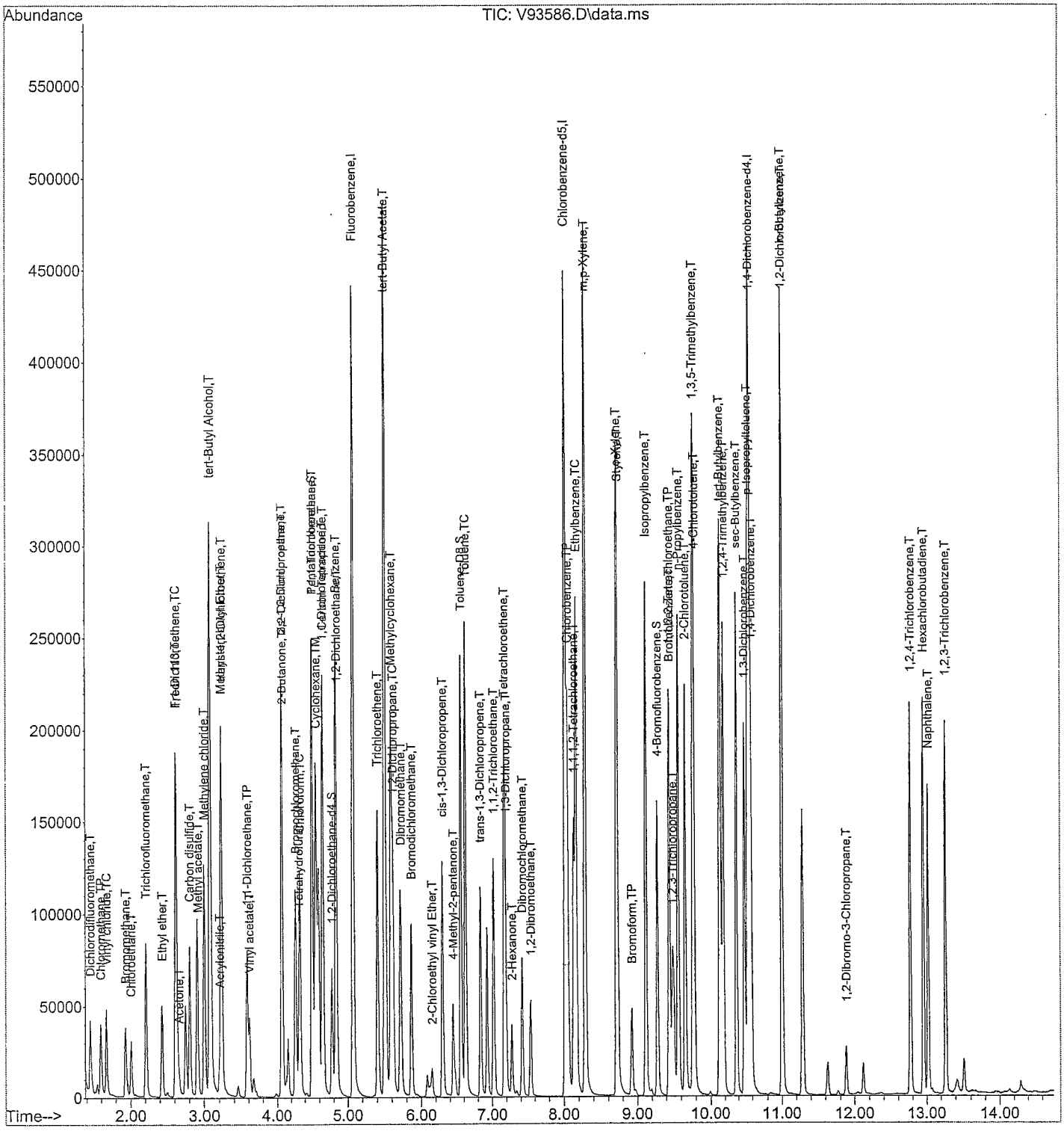
Quant Time: Nov 21 16:08:46 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 1,1-Dichloropropene	4.646	75	58014	21.83	ug/L		99
43) cis-1,3-Dichloropropene	6.295	75	68145	21.37	ug/L		94
44) 4-Methyl-2-pentanone	6.445	58	13236	19.99	ug/L		94
46) Toluene	6.626	91	186950	21.43	ug/L		98
47) trans-1,3-Dichloropropene	6.835	75	58884	20.58	ug/L		95
48) 1,1,2-Trichloroethane	7.021	97	36182	20.39	ug/L		98
49) 1,3-Dichloropropane	7.192	76	58476	21.00	ug/L		99
50) Tetrachloroethene	7.171	166	54702	21.07	ug/L		98
51) 2-Hexanone	7.277	43	22512	19.08	ug/L		94
52) Dibromochloromethane	7.422	129	40980	20.01	ug/L		100
53) 1,2-Dibromoethane	7.544	107	35343	20.13	ug/L		100
55) Chlorobenzene	8.051	112	114316	20.82	ug/L		99
56) 1,1,1,2-Tetrachloroethane	8.137	131	43733	20.99	ug/L		99
57) Ethylbenzene	8.169	91	197144	21.24	ug/L		99
58) m,p-Xylene	8.291	106	142719	43.12	ug/L		94
59) o-Xylene	8.713	106	71157	20.98	ug/L		95
60) Styrene	8.729	104	110091	21.41	ug/L		99
61) Bromoform	8.927	173	23961	18.90	ug/L		99
62) Isopropylbenzene	9.113	105	191194	21.01	ug/L		100
63) 1,2,3-Trichloropropane	9.487	110	11742	19.57	ug/L	#	81
65) Bromobenzene	9.444	156	48766	20.33	ug/L		91
66) 1,1,2,2-Tetrachloroethane	9.439	83	37897	19.75	ug/L		99
67) n-Propylbenzene	9.567	91	211805	20.23	ug/L		99
68) 2-Chlorotoluene	9.658	126	46546	20.28	ug/L		94
69) 4-Chlorotoluene	9.780	126	45113	24.40	ug/L		98
70) 1,3,5-Trimethylbenzene	9.764	105	150947	20.00	ug/L		100
71) tert-Butylbenzene	10.122	134	35583	20.27	ug/L		97
72) 1,2,4-Trimethylbenzene	10.181	105	149920	19.57	ug/L		100
73) sec-Butylbenzene	10.367	105	196366	20.20	ug/L		98
74) p-Isopropyltoluene	10.533	119	166175	20.07	ug/L		100
76) 1,3-Dichlorobenzene	10.485	146	90109	20.13	ug/L		100
77) 1,4-Dichlorobenzene	10.586	146	85358	19.68	ug/L		98
78) n-Butylbenzene	10.997	91	162830	21.07	ug/L		98
79) 1,2-Dichlorobenzene	11.003	146	82603	21.12	ug/L		99
81) 1,2-Dibromo-3-Chloropr...	11.883	157	7889	15.13	ug/L		99
82) 1,2,4-Trichlorobenzene	12.774	180	70170	19.73	ug/L		98
83) 1,2,3-Trichlorobenzene	13.265	180	62823	19.56	ug/L		99
84) Hexachlorobutadiene	12.956	225	46493	19.72	ug/L		99
85) Naphthalene	13.025	128	131357	18.48	ug/L		100
86) Cyclohexane	4.561	56	72303	22.66	ug/L		89
88) tert-Butyl Acetate	5.506	57	151873	116.24	ug/L		93

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

Data File: C:\msdchem\1\DATA\111121\V93586.D
DataAcq Meth:8260RUN.M
Acq On : 21 Nov 2011 2:08 pm Operator: Bill Brew
Sample : 20ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 21 16:08:46 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE



Quantitation Report (Not Reviewed)

Data File: C:\msdchem\1\DATA\111121\V93587.D
DataAcq Meth:8260RUN.M
Acq On : 21 Nov 2011 2:31 pm
Sample : 50ppb mega Cal
Misc :
ALS Vial : 6 Sample Multiplier: 1

Operator: Bill Brew
Inst : Instrument #1

Quant Time: Nov 21 16:08:55 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.075	96	335697	50.00	ug/L	0.00
54) Chlorobenzene-d5	8.021	117	241913	50.00	ug/L	0.00
75) 1,4-Dichlorobenzene-d4	10.561	152	116728	50.00	ug/L	0.00
System Monitoring Compounds						
26) Pentafluorobenzene	4.509	168	196651	54.42	ug/L	0.00
Spiked Amount 50.000	Range 89 - 116		Recovery = 108.84%			
29) 1,2-Dichloroethane-d4	4.776	65	98428	49.53	ug/L	0.00
Spiked Amount 50.000	Range 66 - 106		Recovery = 99.06%			
45) Toluene-D8	6.564	98	337255	51.45	ug/L	0.00
Spiked Amount 50.000	Range 87 - 107		Recovery = 102.90%			
64) 4-Bromofluorobenzene	9.280	95	131709	52.81	ug/L	0.00
Spiked Amount 50.000	Range 84 - 97		Recovery = 105.62%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.451	85	70006	55.28	ug/L	100
3) Chloromethane	1.595	50	99978	53.63	ug/L	99
4) Vinyl chloride	1.675	62	90747	54.73	ug/L	100
5) Bromomethane	1.926	94	50553	55.16	ug/L	99
6) Chloroethane	2.006	64	52985	57.63	ug/L	98
7) Trichlorofluoromethane	2.209	101	143078	55.63	ug/L	99
8) Ethyl ether	2.433	59	61515	54.21	ug/L	100
9) Freon 113	2.620	101	84067	55.34	ug/L	99
10) 1,1-Dichloroethene	2.620	61	122294	55.38	ug/L	99
11) Acetone	2.652	43	25469	52.79	ug/L	96
12) Carbon disulfide	2.807	76	227133	56.55	ug/L	99
13) Methyl acetate	2.919	43	46112	52.60	ug/L #	91
14) Methylene chloride	3.004	84	93919	53.76	ug/L	91
15) Acrylonitrile	3.202	53	24044	53.09	ug/L	96
16) tert-Butyl Alcohol	3.084	59	819887	5372.22	ug/L	98
17) Methyl tert-butyl Ether	3.228	73	216298	54.95	ug/L	96
18) trans-1,2-Dichloroethene	3.234	61	116432	55.46	ug/L	98
19) 1,1-Dichloroethane	3.580	63	152467	54.17	ug/L	100
20) Vinyl acetate	3.612	43	117528	53.56	ug/L	95
21) 2,2-Dichloropropane	4.071	77	152268	55.60	ug/L	99
22) 2-Butanone	4.077	72	10034	53.94	ug/L	92
23) cis-1,2-Dichloroethene	4.066	96	107384	55.90	ug/L	97
24) Bromochloromethane	4.274	128	47898	54.53	ug/L #	88
25) Chloroform	4.338	83	170945	53.47	ug/L	99
27) Tetrahydrofuran	4.322	42	40939	54.53	ug/L	93
28) 1,1,1-Trichloroethane	4.504	97	157529	54.35	ug/L	99
30) Carbon Tetrachloride	4.653	117	135592	55.05	ug/L	100
31) Benzene	4.835	78	355024	53.81	ug/L	99
32) 1,2-Dichloroethane	4.845	62	119599	52.47	ug/L	99
33) Trichloroethene	5.411	130	107795	54.43	ug/L	98
34) Methylcyclohexane	5.592	83	169041	54.94	ug/L	94
36) 1,2-Dichloropropane	5.619	63	93387	53.65	ug/L	97
38) Dibromomethane	5.726	93	53268	54.19	ug/L	95
39) Bromodichloromethane	5.870	83	129669	54.49	ug/L	99
40) 2-Chloroethyl vinyl Ether	6.153	63	14373	54.67	ug/L	97

11/21 BB

Data File: C:\msdchem\1\DATA\111121\V93587.D
DataAcq Meth:8260RUN.M
Acq On : 21 Nov 2011 2:31 pm Operator: Bill Brew
Sample : 50ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 6 Sample Multiplier: 1

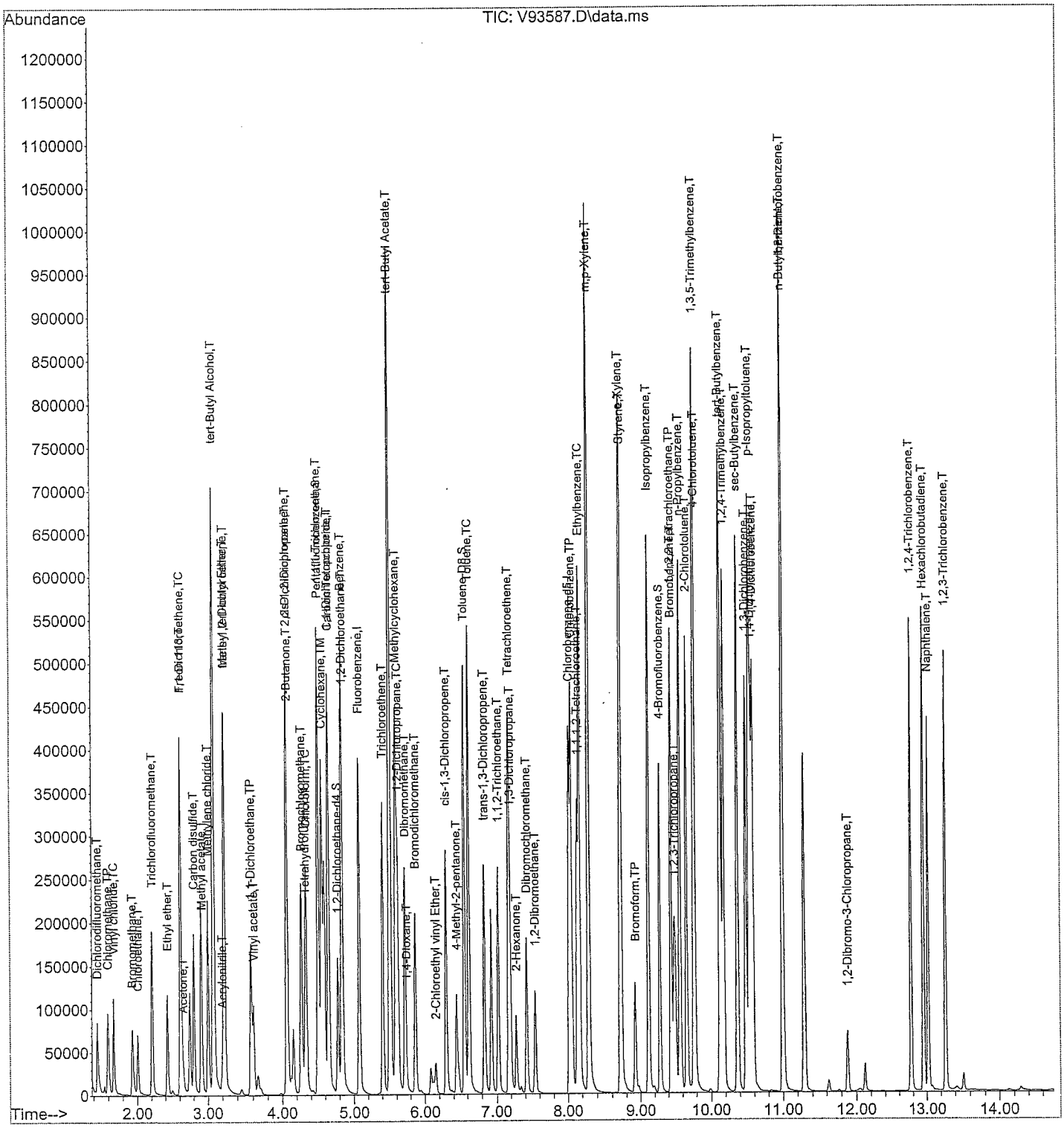
Quant Time: Nov 21 16:08:55 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) 1,1-Dichloropropene	4.648	75	124106	54.17 ug/L	100
43) cis-1,3-Dichloropropene	6.297	75	152463	55.47 ug/L	95
44) 4-Methyl-2-pentanone	6.446	58	30730	53.85 ug/L	94
46) Toluene	6.628	91	388329	51.65 ug/L	98
47) trans-1,3-Dichloropropene	6.836	75	136079	55.17 ug/L	95
48) 1,1,2-Trichloroethane	7.023	97	80116	52.38 ug/L	98
49) 1,3-Dichloropropane	7.193	76	129430	53.91 ug/L	99
50) Tetrachloroethene	7.172	166	121742	54.39 ug/L	99
51) 2-Hexanone	7.274	43	54762	53.85 ug/L	96
52) Dibromochloromethane	7.423	129	97723	55.37 ug/L	100
53) 1,2-Dibromoethane	7.540	107	81954	54.16 ug/L	99
55) Chlorobenzene	8.053	112	260207	51.99 ug/L	98
56) 1,1,1,2-Tetrachloroethane	8.138	131	100906	53.13 ug/L	99
57) Ethylbenzene	8.170	91	449075	53.10 ug/L	98
58) m,p-Xylene	8.293	106	313098	103.78 ug/L	93
59) o-Xylene	8.714	106	163459	52.88 ug/L	94
60) Styrene	8.730	104	249731	53.29 ug/L	97
61) Bromoform	8.928	173	64267	55.63 ug/L	100
62) Isopropylbenzene	9.115	105	448180	54.04 ug/L	100
63) 1,2,3-Trichloropropane	9.488	110	28660	52.41 ug/L #	87
65) Bromobenzene	9.446	156	115311	52.74 ug/L	92
66) 1,1,2,2-Tetrachloroethane	9.440	83	92464	52.87 ug/L	99
67) n-Propylbenzene	9.568	91	508244	53.26 ug/L	99
68) 2-Chlorotoluene	9.659	126	109063	52.15 ug/L	97
69) 4-Chlorotoluene	9.782	126	103531	61.44 ug/L	99
70) 1,3,5-Trimethylbenzene	9.766	105	358027	52.04 ug/L	100
71) tert-Butylbenzene	10.123	134	85427	53.38 ug/L	99
72) 1,2,4-Trimethylbenzene	10.177	105	361046	51.71 ug/L	100
73) sec-Butylbenzene	10.369	105	475031	53.61 ug/L	98
74) p-Isopropyltoluene	10.534	119	400832	53.12 ug/L	100
76) 1,3-Dichlorobenzene	10.486	146	215221	51.78 ug/L	100
77) 1,4-Dichlorobenzene	10.588	146	205323	50.98 ug/L	100
78) n-Butylbenzene	10.999	91	384757	53.62 ug/L	98
79) 1,2-Dichlorobenzene	11.004	146	187655	51.67 ug/L	99
81) 1,2-Dibromo-3-Chloropr...	11.885	157	21693	44.81 ug/L	98
82) 1,2,4-Trichlorobenzene	12.770	180	176031	53.32 ug/L	100
83) 1,2,3-Trichlorobenzene	13.267	180	159428	53.45 ug/L	99
84) Hexachlorobutadiene	12.957	225	115721	52.87 ug/L	100
85) Naphthalene	13.021	128	333776	50.58 ug/L	100
86) Cyclohexane	4.562	56	153524	51.82 ug/L	88
87) 1,4-Dioxane	5.742	88	1158	51.39 ug/L #	66
88) tert-Butyl Acetate	5.507	57	334144	275.43 ug/L	90

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

Data File: C:\msdchem\1\DATA\111121\V93587.D
DataAcq Meth:8260RUN.M
Acq On : 21 Nov 2011 2:31 pm Operator: Bill Brew
Sample : 50ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 21 16:08:55 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE



Quantitation Report (Not Reviewed)

Data File: C:\msdchem\1\DATA\111121\V93588.D
DataAcq Meth:8260RUN.M
Acq On : 21 Nov 2011 2:54 pm
Sample : 100ppb mega Cal
Misc :
ALS Vial : 7 Sample Multiplier: 1

Operator: Bill Brew
Inst : Instrument #1

Quant Time: Nov 21 16:09:03 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.077	96	338988	50.00	ug/L	0.00
54) Chlorobenzene-d5	8.023	117	242578	50.00	ug/L	0.00
75) 1,4-Dichlorobenzene-d4	10.564	152	112410	50.00	ug/L	0.00
System Monitoring Compounds						
26) Pentafluorobenzene	4.506	168	343529	94.15	ug/L	0.00
Spiked Amount 50.000	Range 89 - 116		Recovery = 188.30%#			
29) 1,2-Dichloroethane-d4	4.778	65	186177	92.77	ug/L	0.00
Spiked Amount 50.000	Range 66 - 106		Recovery = 185.54%#			
45) Toluene-D8	6.561	98	605265	91.45	ug/L	0.00
Spiked Amount 50.000	Range 87 - 107		Recovery = 182.90%#			
64) 4-Bromofluorobenzene	9.277	95	241796	96.68	ug/L	0.00
Spiked Amount 50.000	Range 84 - 97		Recovery = 193.36%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.454	85	125981	98.51	ug/L	98
3) Chloromethane	1.598	50	191422	101.68	ug/L	99
4) Vinyl chloride	1.672	62	168958	100.91	ug/L	100
5) Bromomethane	1.923	94	80424	95.24	ug/L	99
6) Chloroethane	2.003	64	91150	98.19	ug/L	97
7) Trichlorofluoromethane	2.206	101	259955	100.10	ug/L	99
8) Ethyl ether	2.430	59	117052	102.15	ug/L	100
9) Freon 113	2.617	101	146807	95.70	ug/L	98
10) 1,1-Dichloroethene	2.622	61	220078	98.70	ug/L	100
11) Acetone	2.654	43	49030	98.67	ug/L	100
12) Carbon disulfide	2.804	76	386861	95.38	ug/L	100
13) Methyl acetate	2.921	43	87051	98.34	ug/L #	90
14) Methylene chloride	3.001	84	159453	98.41	ug/L	91
15) Acrylonitrile	3.204	53	45531	99.56	ug/L	100
16) tert-Butyl Alcohol	3.092	59	1494070	9694.70	ug/L	99
17) Methyl tert-butyl Ether	3.231	73	396505	99.76	ug/L	98
18) trans-1,2-Dichloroethene	3.231	61	209126	98.64	ug/L	97
19) 1,1-Dichloroethane	3.583	63	286530	100.81	ug/L	98
20) Vinyl acetate	3.615	43	226601	102.26	ug/L	95
21) 2,2-Dichloropropane	4.069	77	273987	99.07	ug/L	98
22) 2-Butanone	4.079	72	18054	96.12	ug/L #	89
23) cis-1,2-Dichloroethene	4.063	96	185852	95.80	ug/L	99
24) Bromochloromethane	4.271	128	87799	98.99	ug/L #	88
25) Chloroform	4.335	83	315148	97.63	ug/L	100
27) Tetrahydrofuran	4.319	42	74476	98.23	ug/L	90
28) 1,1,1-Trichloroethane	4.506	97	285545	97.56	ug/L	99
30) Carbon Tetrachloride	4.656	117	250870	100.86	ug/L	100
31) Benzene	4.832	78	628151	94.28	ug/L	100
32) 1,2-Dichloroethane	4.848	62	222127	96.50	ug/L	99
33) Trichloroethene	5.408	130	195586	97.80	ug/L	99
34) Methylcyclohexane	5.595	83	302914	97.49	ug/L	95
36) 1,2-Dichloropropane	5.622	63	172954	98.40	ug/L	96
38) Dibromomethane	5.728	93	98634	99.37	ug/L	96
39) Bromodichloromethane	5.867	83	246169	102.44	ug/L	99
40) 2-Chloroethyl vinyl Ether	6.150	63	28442	107.14	ug/L	98

11/21/AB

Data File: C:\msdchem\1\DATA\111121\V93588.D
DataAcq Meth:8260RUN.M
Acq On : 21 Nov 2011 2:54 pm Operator: Bill Brew
Sample : 100ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 7 Sample Multiplier: 1

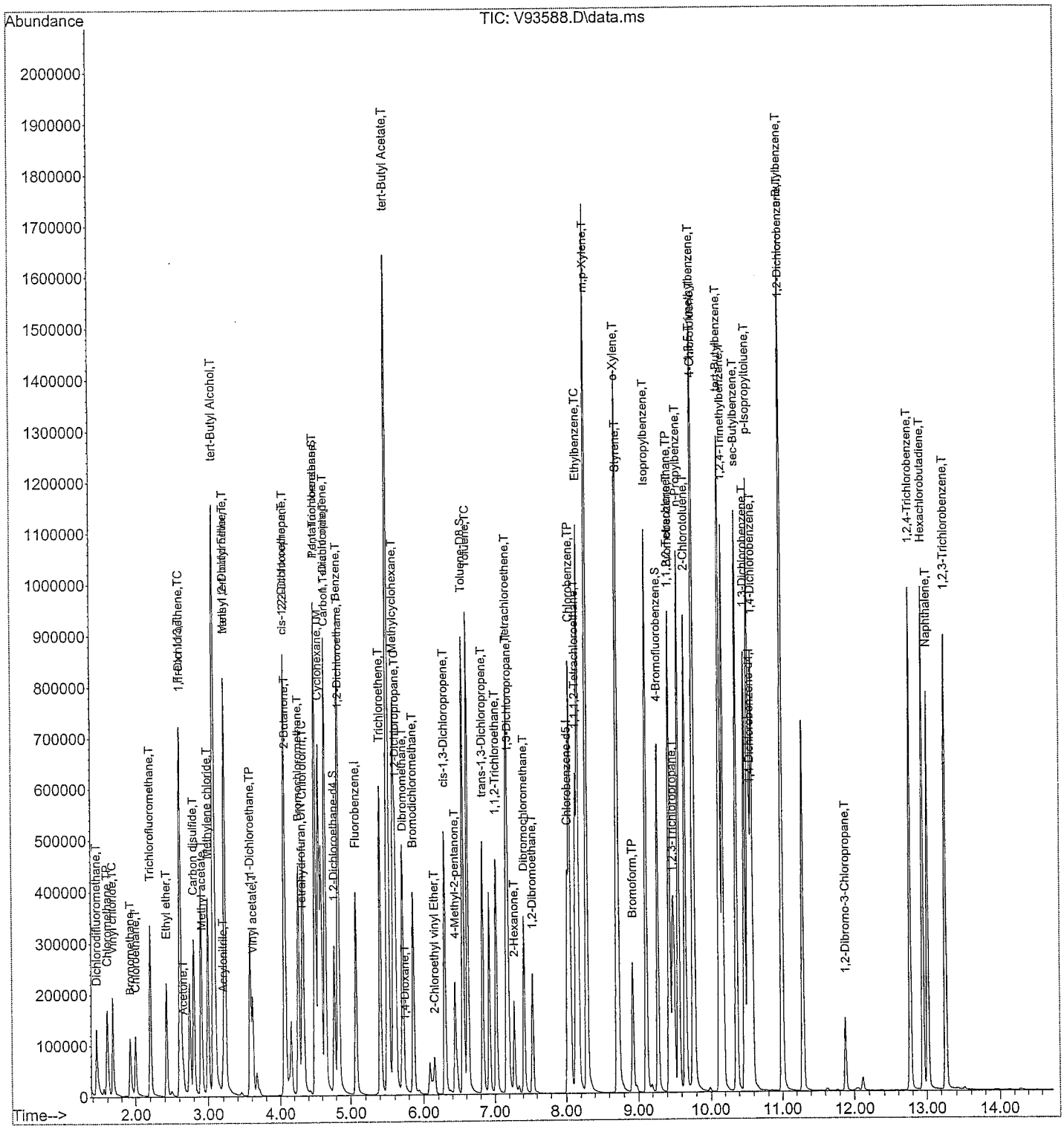
Quant Time: Nov 21 16:09:03 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 1,1-Dichloropropene	4.650	75	225253	97.37	ug/L		99
43) cis-1,3-Dichloropropene	6.294	75	286054	103.06	ug/L		95
44) 4-Methyl-2-pentanone	6.444	58	60055	104.21	ug/L		94
46) Toluene	6.625	91	687400	90.54	ug/L		99
47) trans-1,3-Dichloropropene	6.838	75	257271	103.30	ug/L		96
48) 1,1,2-Trichloroethane	7.020	97	145112	93.96	ug/L		99
49) 1,3-Dichloropropane	7.191	76	236078	97.38	ug/L		100
50) Tetrachloroethene	7.175	166	218503	96.67	ug/L		99
51) 2-Hexanone	7.276	43	105261	102.50	ug/L		95
52) Dibromochloromethane	7.420	129	187428	105.16	ug/L		100
53) 1,2-Dibromoethane	7.543	107	154628	101.20	ug/L		100
55) Chlorobenzene	8.055	112	479893	95.61	ug/L		98
56) 1,1,1,2-Tetrachloroethane	8.135	131	187267	98.33	ug/L		98
57) Ethylbenzene	8.167	91	806425	95.08	ug/L		99
58) m,p-Xylene	8.295	106	548339	181.26	ug/L		93
59) o-Xylene	8.717	106	283371	91.42	ug/L		93
60) Styrene	8.733	104	433459	92.24	ug/L		97
61) Bromoform	8.925	173	125426	108.27	ug/L		100
62) Isopropylbenzene	9.117	105	778797	93.64	ug/L		100
63) 1,2,3-Trichloropropane	9.485	110	53353	97.29	ug/L	#	87
65) Bromobenzene	9.443	156	205357	93.67	ug/L		93
66) 1,1,2,2-Tetrachloroethane	9.437	83	164894	94.02	ug/L		99
67) n-Propylbenzene	9.566	91	900646	94.13	ug/L		99
68) 2-Chlorotoluene	9.662	126	197891	94.36	ug/L		98
69) 4-Chlorotoluene	9.779	126	178363	105.56	ug/L		96
70) 1,3,5-Trimethylbenzene	9.763	105	628053	91.04	ug/L		99
71) tert-Butylbenzene	10.126	134	148464	92.52	ug/L		96
72) 1,2,4-Trimethylbenzene	10.179	105	647211	92.44	ug/L		100
73) sec-Butylbenzene	10.371	105	830567	93.48	ug/L		98
74) p-Isopropyltoluene	10.537	119	709350	93.75	ug/L		99
76) 1,3-Dichlorobenzene	10.489	146	382351	95.53	ug/L		99
77) 1,4-Dichlorobenzene	10.590	146	367357	94.72	ug/L		100
78) n-Butylbenzene	10.996	91	669030	96.82	ug/L		98
79) 1,2-Dichlorobenzene	11.006	146	321595	91.96	ug/L		100
81) 1,2-Dibromo-3-Chloropr...	11.882	157	43672	93.67	ug/L		99
82) 1,2,4-Trichlorobenzene	12.773	180	320444	100.78	ug/L		100
83) 1,2,3-Trichlorobenzene	13.269	180	292994	102.00	ug/L		100
84) Hexachlorobutadiene	12.954	225	205351	97.42	ug/L		99
85) Naphthalene	13.024	128	623999	98.18	ug/L		100
86) Cyclohexane	4.560	56	289871	101.60	ug/L		92
87) 1,4-Dioxane	5.750	88	2231	102.81	ug/L		94
88) tert-Butyl Acetate	5.510	57	599057	512.75	ug/L	#	88

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

Data File: C:\msdchem\1\DATA\111121\V93588.D
DataAcq Meth:8260RUN.M
Acq On : 21 Nov 2011 2:54 pm Operator: Bill Brew
Sample : 100ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 21 16:09:03 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE



Quantitation Report (Not Reviewed)

Data File: C:\msdchem\1\DATA\111121\V93589.D
DataAcq Meth:8260RUN.M
Acq On : 21 Nov 2011 3:17 pm Operator: Bill Brew
Sample : 150ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 21 16:09:11 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.076	96	329664	50.00	ug/L	0.00
54) Chlorobenzene-d5	8.022	117	238505	50.00	ug/L	0.00
75) 1,4-Dichlorobenzene-d4	10.562	152	107585	50.00	ug/L	0.00
System Monitoring Compounds						
26) Pentafluorobenzene	4.505	168	491624	138.55	ug/L	0.00
Spiked Amount 50.000	Range 89 - 116		Recovery = 277.10%#			
29) 1,2-Dichloroethane-d4	4.777	65	275875	141.36	ug/L	0.00
Spiked Amount 50.000	Range 66 - 106		Recovery = 282.72%#			
45) Toluene-D8	6.559	98	853475	132.59	ug/L	0.00
Spiked Amount 50.000	Range 87 - 107		Recovery = 265.18%#			
64) 4-Bromofluorobenzene	9.281	95	351663	143.02	ug/L	0.00
Spiked Amount 50.000	Range 84 - 97		Recovery = 286.04%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.452	85	189186	152.12	ug/L	99
3) Chloromethane	1.596	50	277820	151.75	ug/L	99
4) Vinyl chloride	1.676	62	240009	147.40	ug/L	99
5) Bromomethane	1.922	94	106340	148.35	ug/L	97
6) Chloroethane	2.002	64	119976	132.89	ug/L	99
7) Trichlorofluoromethane	2.205	101	384241	152.14	ug/L	98
8) Ethyl ether	2.429	59	168218	150.96	ug/L	100
9) Freon 113	2.616	101	220542	147.83	ug/L	99
10) 1,1-Dichloroethene	2.616	61	322910	148.91	ug/L	100
11) Acetone	2.653	43	76104	149.59	ug/L	99
12) Carbon disulfide	2.808	76	609076	154.42	ug/L	100
13) Methyl acetate	2.920	43	130484	151.58	ug/L #	91
14) Methylene chloride	3.005	84	231822	152.93	ug/L	90
15) Acrylonitrile	3.203	53	67901	152.68	ug/L	99
16) tert-Butyl Alcohol	3.091	59	2117080	14125.81	ug/L	98
17) Methyl tert-butyl Ether	3.229	73	580296	150.12	ug/L	96
18) trans-1,2-Dichloroethene	3.229	61	303430	147.17	ug/L	98
19) 1,1-Dichloroethane	3.576	63	419030	151.60	ug/L	99
20) Vinyl acetate	3.614	43	333730	154.87	ug/L	95
21) 2,2-Dichloropropane	4.067	77	401997	149.47	ug/L	97
22) 2-Butanone	4.078	72	26351	144.26	ug/L #	86
23) cis-1,2-Dichloroethene	4.067	96	269628	142.92	ug/L	100
24) Bromochloromethane	4.275	128	127602	147.93	ug/L #	89
25) Chloroform	4.334	83	457141	145.62	ug/L	99
27) Tetrahydrofuran	4.318	42	107060	145.20	ug/L	89
28) 1,1,1-Trichloroethane	4.505	97	422675	148.49	ug/L	98
30) Carbon Tetrachloride	4.654	117	372077	153.82	ug/L	99
31) Benzene	4.836	78	885527	136.67	ug/L	100
32) 1,2-Dichloroethane	4.846	62	322542	144.09	ug/L	99
33) Trichloroethene	5.412	130	285012	146.54	ug/L	99
34) Methylcyclohexane	5.594	83	439908	145.59	ug/L	95
36) 1,2-Dichloropropane	5.620	63	245639	143.71	ug/L #	67
38) Dibromomethane	5.727	93	140944	146.01	ug/L	97
39) Bromodichloromethane	5.871	83	364087	155.80	ug/L	99
40) 2-Chloroethyl vinyl Ether	6.154	63	42824	165.88	ug/L	98

11/21/03

Data File: C:\msdchem\1\DATA\111121\V93589.D
DataAcq Meth:8260RUN.M
Acq On : 21 Nov 2011 3:17 pm Operator: Bill Brew
Sample : 150ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 8 Sample Multiplier: 1

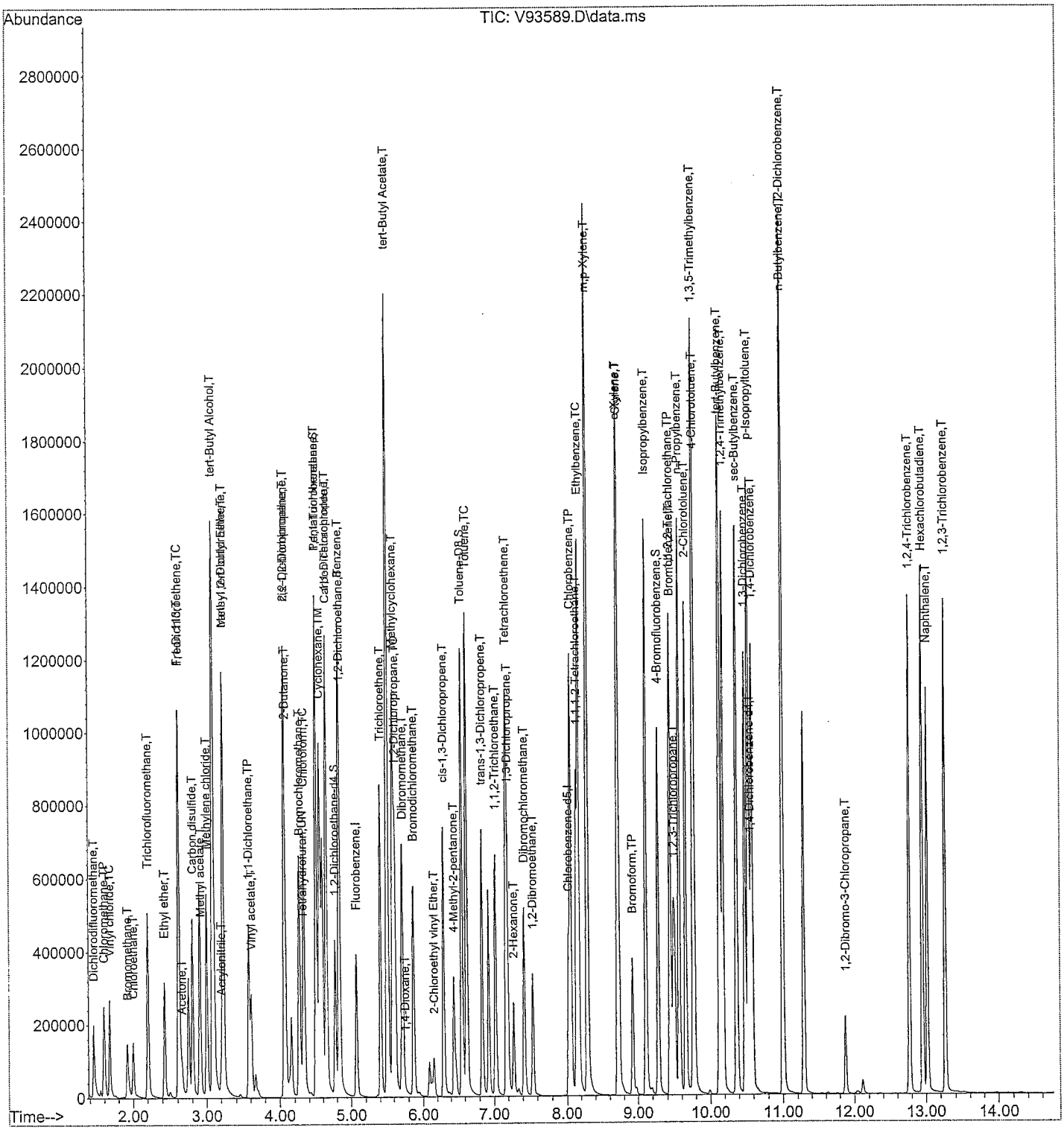
Quant Time: Nov 21 16:09:11 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) 1,1-Dichloropropene	4.649	75	324361	144.18 ug/L	98
43) cis-1,3-Dichloropropene	6.298	75	418996	155.22 ug/L	95
44) 4-Methyl-2-pentanone	6.447	58	87833	156.72 ug/L	95
46) Toluene	6.629	91	978104	132.47 ug/L	100
47) trans-1,3-Dichloropropene	6.837	75	380014	156.90 ug/L	96
48) 1,1,2-Trichloroethane	7.024	97	211833	141.04 ug/L	98
49) 1,3-Dichloropropane	7.195	76	339002	143.79 ug/L	100
50) Tetrachloroethene	7.173	166	311654	141.78 ug/L	99
51) 2-Hexanone	7.275	43	155634	155.84 ug/L	96
52) Dibromochloromethane	7.424	129	277500	160.10 ug/L	100
53) 1,2-Dibromoethane	7.541	107	226185	152.22 ug/L	100
55) Chlorobenzene	8.054	112	681869	138.17 ug/L	99
56) 1,1,1,2-Tetrachloroethane	8.139	131	272017	145.28 ug/L	98
57) Ethylbenzene	8.171	91	1148888	137.78 ug/L	99
58) m,p-Xylene	8.294	106	767715	258.12 ug/L	92
59) o-Xylene	8.716	106	399808	131.19 ug/L	92
60) Styrene	8.732	104	607179	131.42 ug/L	95
61) Bromoform	8.924	173	186917	164.10 ug/L	100
62) Isopropylbenzene	9.116	105	1128569	138.01 ug/L	100
63) 1,2,3-Trichloropropane	9.489	110	77513	143.77 ug/L #	91
65) Bromobenzene	9.447	156	289151	134.15 ug/L	95
66) 1,1,2,2-Tetrachloroethane	9.441	83	234216	135.83 ug/L	99
67) n-Propylbenzene	9.569	91	1297145	137.88 ug/L	98
68) 2-Chlorotoluene	9.660	126	282300	136.91 ug/L	99
69) 4-Chlorotoluene	9.783	126	255163	153.59 ug/L	97
70) 1,3,5-Trimethylbenzene	9.767	105	892832	131.63 ug/L	99
71) tert-Butylbenzene	10.124	134	211294	133.92 ug/L	96
72) 1,2,4-Trimethylbenzene	10.183	105	927831	134.79 ug/L	99
73) sec-Butylbenzene	10.375	105	1199027	137.25 ug/L	98
74) p-Isopropyltoluene	10.541	119	1028650	138.27 ug/L	98
76) 1,3-Dichlorobenzene	10.487	146	539892	140.94 ug/L	99
77) 1,4-Dichlorobenzene	10.589	146	524479	141.30 ug/L	99
78) n-Butylbenzene	11.000	91	949438	143.57 ug/L	98
79) 1,2-Dichlorobenzene	11.005	146	451421	134.87 ug/L	99
81) 1,2-Dibromo-3-Chloropr...	11.886	157	65923	147.73 ug/L	99
82) 1,2,4-Trichlorobenzene	12.777	180	462714	152.06 ug/L	98
83) 1,2,3-Trichlorobenzene	13.268	180	428364	155.82 ug/L	99
84) Hexachlorobutadiene	12.958	225	304353	150.86 ug/L	99
85) Naphthalene	13.022	128	902024	148.30 ug/L	100
86) Cyclohexane	4.558	56	415376	152.12 ug/L	91
87) 1,4-Dioxane	5.754	88	3193	153.73 ug/L #	67
88) tert-Butyl Acetate	5.513	57	843757	754.59 ug/L #	86

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

Data File: C:\msdchem\1\DATA\111121\V93589.D
DataAcq Meth:8260RUN.M
Acq On : 21 Nov 2011 3:17 pm Operator: Bill Brew
Sample : 150ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 21 16:09:11 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE



Data File: C:\msdchem\1\DATA\111121\V93590.D
DataAcq Meth:8260RUN.M
Acq On : 21 Nov 2011 3:40 pm Operator: Bill Brew
Sample : 200ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 21 16:09:19 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.075	96	346218	50.00	ug/L	0.00
54) Chlorobenzene-d5	8.021	117	238292	50.00	ug/L	0.00
75) 1,4-Dichlorobenzene-d4	10.567	152	104010	50.00	ug/L	0.00
System Monitoring Compounds						
26) Pentafluorobenzene	4.504	168	630842	169.28	ug/L	0.00
Spiked Amount 50.000	Range 89 - 116		Recovery = 338.56%#			
29) 1,2-Dichloroethane-d4	4.776	65	373730	182.34	ug/L	0.00
Spiked Amount 50.000	Range 66 - 106		Recovery = 364.68%#			
45) Toluene-D8	6.564	98	1117818	165.36	ug/L	0.00
Spiked Amount 50.000	Range 87 - 107		Recovery = 330.72%#			
64) 4-Bromofluorobenzene	9.281	95	450771	183.49	ug/L	0.00
Spiked Amount 50.000	Range 84 - 97		Recovery = 366.98%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.446	85	257930	197.48	ug/L	99
3) Chloromethane	1.596	50	379923	197.60	ug/L	99
4) Vinyl chloride	1.670	62	326030	190.65	ug/L	99
5) Bromomethane	1.910	94	130146	204.05	ug/L	99
6) Chloroethane	1.996	64	151654	159.95	ug/L	97
7) Trichlorofluoromethane	2.204	101	521796	196.73	ug/L	99
8) Ethyl ether	2.428	59	230052	196.57	ug/L	100
9) Freon 113	2.610	101	301650	192.53	ug/L	99
10) 1,1-Dichloroethene	2.615	61	433741	190.45	ug/L	99
11) Acetone	2.652	43	113258	200.35	ug/L	98
12) Carbon disulfide	2.802	76	838048	202.31	ug/L	100
13) Methyl acetate	2.919	43	175456	194.08	ug/L #	92
14) Methylene chloride	3.005	84	309668	197.72	ug/L	90
15) Acrylonitrile	3.202	53	95163	203.75	ug/L	98
16) tert-Butyl Alcohol	3.095	59	2833567	18002.44	ug/L	98
17) Methyl tert-butyl Ether	3.229	73	775526	191.04	ug/L	96
18) trans-1,2-Dichloroethene	3.229	61	398940	184.24	ug/L	97
19) 1,1-Dichloroethane	3.576	63	580152	199.86	ug/L	100
20) Vinyl acetate	3.608	43	443615	196.02	ug/L	94
21) 2,2-Dichloropropane	4.067	77	501017	177.38	ug/L	95
22) 2-Butanone	4.077	72	30172	157.28	ug/L #	81
23) cis-1,2-Dichloroethene	4.067	96	306241	154.56	ug/L	99
24) Bromochloromethane	4.275	128	163671	180.68	ug/L #	87
25) Chloroform	4.333	83	598605	181.56	ug/L	99
27) Tetrahydrofuran	4.317	42	144471	186.57	ug/L	92
28) 1,1,1-Trichloroethane	4.504	97	558023	186.67	ug/L	98
30) Carbon Tetrachloride	4.654	117	493934	194.44	ug/L	100
31) Benzene	4.835	78	1138272	167.27	ug/L	100
32) 1,2-Dichloroethane	4.846	62	430577	183.16	ug/L	98
33) Trichloroethene	5.411	130	374409	183.30	ug/L	99
34) Methylcyclohexane	5.593	83	574143	180.93	ug/L	95
36) 1,2-Dichloropropane	5.625	63	321314	178.99	ug/L #	65
38) Dibromomethane	5.726	93	185155	182.64	ug/L	97
39) Bromodichloromethane	5.870	83	485118	197.66	ug/L	100
40) 2-Chloroethyl vinyl Ether	6.153	63	56985	210.17	ug/L	97

11/21 BB

Data File: C:\msdchem\1\DATA\111121\V93590.D
DataAcq Meth:8260RUN.M
Acq On : 21 Nov 2011 3:40 pm Operator: Bill Brew
Sample : 200ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 9 Sample Multiplier: 1

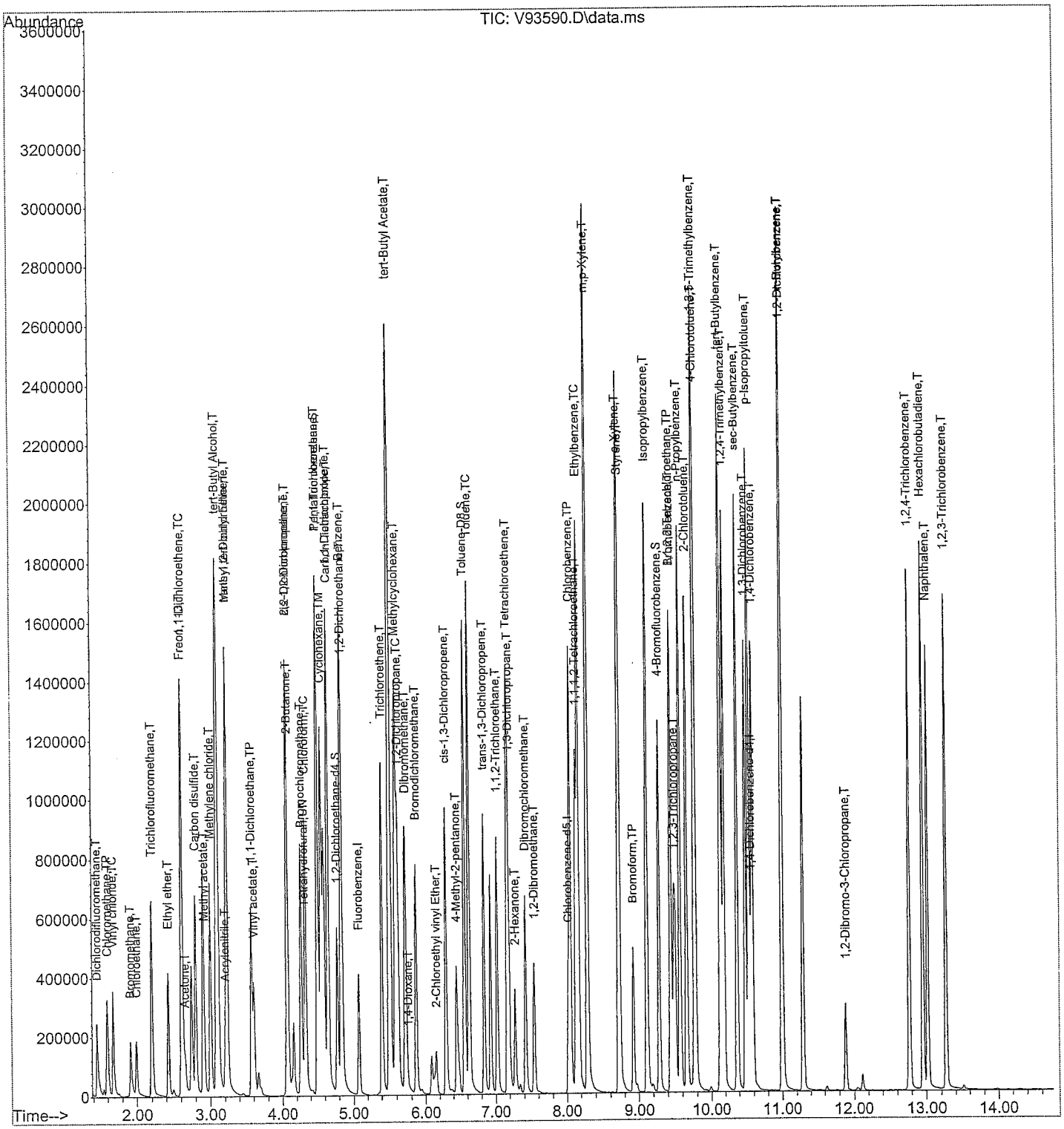
Quant Time: Nov 21 16:09:19 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) 1,1-Dichloropropene	4.648	75	419814	177.68 ug/L	98
43) cis-1,3-Dichloropropene	6.297	75	550910	194.33 ug/L	96
44) 4-Methyl-2-pentanone	6.447	58	119524	203.07 ug/L	95
46) Toluene	6.628	91	1263981	163.00 ug/L	100
47) trans-1,3-Dichloropropene	6.836	75	500239	196.66 ug/L	96
48) 1,1,2-Trichloroethane	7.023	97	278897	176.81 ug/L	98
49) 1,3-Dichloropropane	7.194	76	438136	176.96 ug/L	100
50) Tetrachloroethene	7.173	166	407636	176.58 ug/L	99
51) 2-Hexanone	7.279	43	209720	199.96 ug/L	96
52) Dibromochloromethane	7.423	129	364325	200.14 ug/L	100
53) 1,2-Dibromoethane	7.546	107	301885	193.46 ug/L	100
55) Chlorobenzene	8.053	112	874401	177.35 ug/L	99
56) 1,1,1,2-Tetrachloroethane	8.139	131	353023	188.71 ug/L	98
57) Ethylbenzene	8.171	91	1471695	176.65 ug/L	99
58) m,p-Xylene	8.299	106	979631	329.66 ug/L	94
59) o-Xylene	8.715	106	506490	166.35 ug/L	92
60) Styrene	8.736	104	772714	167.40 ug/L	95
61) Bromoform	8.923	173	247812	217.76 ug/L	100
62) Isopropylbenzene	9.120	105	1453780	177.94 ug/L	100
63) 1,2,3-Trichloropropane	9.489	110	103366	191.89 ug/L #	88
65) Bromobenzene	9.446	156	360662	167.48 ug/L	95
66) 1,1,2,2-Tetrachloroethane	9.441	83	296384	172.03 ug/L	99
67) n-Propylbenzene	9.569	91	1649345	175.48 ug/L	98
68) 2-Chlorotoluene	9.665	126	358869	174.20 ug/L	99
69) 4-Chlorotoluene	9.782	126	317313	191.17 ug/L	96
70) 1,3,5-Trimethylbenzene	9.766	105	1130020	166.75 ug/L	98
71) tert-Butylbenzene	10.129	134	265523	168.44 ug/L	93
72) 1,2,4-Trimethylbenzene	10.183	105	1165136	169.42 ug/L	100
73) sec-Butylbenzene	10.375	105	1510760	173.09 ug/L	98
74) p-Isopropyltoluene	10.540	119	1297242	174.53 ug/L	98
76) 1,3-Dichlorobenzene	10.492	146	676296	182.62 ug/L	98
77) 1,4-Dichlorobenzene	10.593	146	651824	181.65 ug/L	100
78) n-Butylbenzene	10.999	91	1176388	184.00 ug/L	99
79) 1,2-Dichlorobenzene	11.010	146	557601	172.32 ug/L	99
81) 1,2-Dibromo-3-Chloropr...	11.885	157	89169	206.70 ug/L	99
82) 1,2,4-Trichlorobenzene	12.776	180	596655	202.81 ug/L	99
83) 1,2,3-Trichlorobenzene	13.267	180	547875	206.14 ug/L	98
84) Hexachlorobutadiene	12.958	225	397514	203.81 ug/L	99
85) Naphthalene	13.022	128	1200615	204.17 ug/L	99
86) Cyclohexane	4.558	56	530608	201.00 ug/L	90
87) 1,4-Dioxane	5.753	88	4084	203.39 ug/L #	85
88) tert-Butyl Acetate	5.513	57	1083443	1002.25 ug/L #	84

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

Data File: C:\msdchem\1\DATA\111121\V93590.D
DataAcq Meth:8260RUN.M
Acq On : 21 Nov 2011 3:40 pm Operator: Bill Brew
Sample : 200ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 21 16:09:19 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE



Data File: C:\msdchem\1\DATA\111129\V93731.D
DataAcq Meth:8260RUN.M
Acq On : 29 Nov 2011 12:07 pm
Sample : 50ppb mega CC
Misc : Soil
ALS Vial : 3 Sample Multiplier: 1

Operator: Bill Brew
Inst : Instrument #1

Quant Time: Nov 29 12:33:51 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE

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	I	Fluorobenzene	1.000	1.000	0.0	105	0.00
2	T	Dichlorodifluoromethane	0.337	0.158	53.1#	80	0.00
3	TP	Chloromethane	0.278	0.281	-1.1	100	0.00
4	TC	Vinyl chloride	0.247	0.257	-4.0	100	0.00
5	T	Bromomethane	0.137	0.149	-8.8	104	0.01
6	T	Chloroethane	0.137	0.157	-14.6	105	0.00
7	T	Trichlorofluoromethane	0.443	0.377	14.9	93	0.00
8	T	Ethyl ether	0.169	0.174	-3.0	100	0.00
9	T	Freon 113	0.226	0.228	-0.9	96	0.00
10	TC	1,1-Dichloroethene	0.329	0.342	-4.0	99	0.00
11	T	Acetone	0.127	0.080	37.0#	111	0.00
12	T	Carbon disulfide	0.598	0.631	-5.5	98	0.00
13	T	Methyl acetate	0.131	0.141	-7.6	108	0.00
14	T	Methylene chloride	0.611	0.256	58.1#	96	0.00
15	T	Acrylonitrile	0.067	0.071	-6.0	104	0.00
16	T	tert-Butyl Alcohol	0.023	0.021	8.7	90	-0.01
17	T	Methyl tert-butyl Ether	0.586	0.557	4.9	91	0.00
18	T	trans-1,2-Dichloroethene	0.313	0.331	-5.8	101	0.00
19	TP	1,1-Dichloroethane	0.419	0.418	0.2	97	0.00
20	T	Vinyl acetate	0.327	0.321	1.8	97	0.00
21	T	2,2-Dichloropropane	0.408	0.397	2.7	92	0.00
22	T	2-Butanone	0.028	0.027	3.6	98	0.00
23	T	cis-1,2-Dichloroethene	0.286	0.292	-2.1	96	0.00
24	T	Bromochloromethane	0.131	0.129	1.5	95	0.00
25	TC	Chloroform	0.476	0.469	1.5	97	0.00
26	S	Pentafluorobenzene	0.538	0.524	2.6	94	0.00
27	UN	Tetrahydrofuran	0.112	0.113	-0.9	98	0.00
28	T	1,1,1-Trichloroethane	0.432	0.418	3.2	94	0.00
29	S	1,2-Dichloroethane-d4	0.296	0.262	11.5	94	0.00
30	T	Carbon Tetrachloride	0.367	0.353	3.8	92	0.00
31	T	Benzene	0.983	1.032	-5.0	103	0.00
32	T	1,2-Dichloroethane	0.340	0.320	5.9	95	0.00
33	T	Trichloroethene	0.295	0.291	1.4	96	0.00
34	T	Methylcyclohexane	0.458	0.484	-5.7	101	0.00
35	UN	Ethyl acetate	0.000	0.000	0.0	0#	0.00
36	TC	1,2-Dichloropropane	0.259	0.272	-5.0	103	0.00
37	UN	Isobutyl alcohol	0.000	0.000	0.0	0#	0.00
38	T	Dibromomethane	0.146	0.149	-2.1	99	0.00
39	T	Bromodichloromethane	0.354	0.346	2.3	94	0.00
40	T	2-Chloroethyl vinyl Ether	0.039	0.014	64.1#	35#	0.00
41	UN	Isopropyl acetate	0.000	0.000	0.0	0#	0.00
42	T	1,1-Dichloropropene	0.341	0.351	-2.9	100	0.00
43	T	cis-1,3-Dichloropropene	0.409	0.416	-1.7	96	0.00
44	T	4-Methyl-2-pentanone	0.085	0.083	2.4	96	0.00
45	S	Toluene-D8	0.976	0.952	2.5	100	0.00
46	TC	Toluene	1.120	1.113	0.6	101	0.00
47	T	trans-1,3-Dichloropropene	0.367	0.362	1.4	94	0.00

11/29/11

Data File: C:\msdchem\1\DATA\111129\V93731.D
DataAcq Meth:8260RUN.M
Acq On : 29 Nov 2011 12:07 pm
Sample : 50ppb mega CC
Misc : Soil
ALS Vial : 3 Sample Multiplier: 1

Operator: Bill Brew
Inst : Instrument #1

Quant Time: Nov 29 12:33:51 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE

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)
48	T	1,1,2-Trichloroethane	0.228	0.220	3.5	97	0.00
49	T	1,3-Dichloropropane	0.358	0.353	1.4	97	0.00
50	T	Tetrachloroethene	0.333	0.321	3.6	93	0.00
51	T	2-Hexanone	0.151	0.152	-0.7	98	0.00
52	T	Dibromochloromethane	0.263	0.250	4.9	91	0.00
53	T	1,2-Dibromoethane	0.225	0.217	3.6	94	0.00
54	I	Chlorobenzene-d5	1.000	1.000	0.0	106	0.00
55	TP	Chlorobenzene	1.035	1.023	1.2	101	0.00
56	T	1,1,1,2-Tetrachloroethane	0.393	0.372	5.3	94	0.00
57	TC	Ethylbenzene	1.748	1.746	0.1	100	0.00
58	T	m,p-Xylene	0.624	0.620	0.6	101	0.00
59	T	o-Xylene	0.639	0.636	0.5	100	0.00
60	T	Styrene	0.969	0.979	-1.0	100	0.00
61	TP	Bromoform	0.239	0.226	5.4	90	0.00
62	T	Isopropylbenzene	1.714	1.723	-0.5	98	0.00
63	T	1,2,3-Trichloropropane	0.113	0.103	8.8	92	0.00
64	S	4-Bromofluorobenzene	0.515	0.500	2.9	97	0.00
65	T	Bromobenzene	0.452	0.429	5.1	95	0.00
66	TP	1,1,2,2-Tetrachloroethane	0.361	0.354	1.9	98	0.00
67	T	n-Propylbenzene	1.972	1.994	-1.1	100	0.00
68	T	2-Chlorotoluene	0.432	0.422	2.3	99	0.00
69	T	4-Chlorotoluene	0.426	0.397	6.8	98	0.00
70	T	1,3,5-Trimethylbenzene	1.422	1.369	3.7	98	0.00
71	T	tert-Butylbenzene	0.331	0.321	3.0	96	0.00
72	T	1,2,4-Trimethylbenzene	1.443	1.377	4.6	98	0.00
73	T	sec-Butylbenzene	1.831	1.857	-1.4	100	0.00
74	T	p-Isopropyltoluene	1.560	1.519	2.6	97	0.00
75	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	108	0.00
76	T	1,3-Dichlorobenzene	1.780	1.675	5.9	98	0.00
77	T	1,4-Dichlorobenzene	1.725	1.600	7.2	98	0.00
78	T	n-Butylbenzene	3.074	3.045	0.9	100	0.00
79	T	1,2-Dichlorobenzene	1.556	1.444	7.2	97	0.00
80	UN	Tetraethyllead	0.000	0.000	0.0	0#	-12.33#
81	T	1,2-Dibromo-3-Chloropropane	0.181	0.146	19.3	85	0.00
82	T	1,2,4-Trichlorobenzene	1.414	1.273	10.0	91	0.00
83	T	1,2,3-Trichlorobenzene	1.278	1.148	10.2	91	0.00
84	T	Hexachlorobutadiene	0.938	0.851	9.3	93	0.00
85	T	Naphthalene	2.827	2.352	16.8	89	0.00
86	TM	Cyclohexane	1.269	1.364	-7.5	112	0.00
87	T	1,4-Dioxane	0.010	0.009	10.0	95	-0.01
88	T	tert-Butyl Acetate	0.520	0.482	7.3	91	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data File: C:\msdchem\1\DATA\111129\V93731.D
DataAcq Meth:8260RUN.M
Acq On : 29 Nov 2011 12:07 pm
Sample : 50ppb mega CC
Misc : Soil
ALS Vial : 3 Sample Multiplier: 1

Operator: Bill Brew
Inst : Instrument #1

Quant Time: Nov 29 12:33:51 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	5.077	96	353763	50.00	ug/L		0.00
54) Chlorobenzene-d5	8.023	117	256003	50.00	ug/L		0.00
75) 1,4-Dichlorobenzene-d4	10.558	152	126258	50.00	ug/L		0.00
System Monitoring Compounds							
26) Pentafluorobenzene	4.506	168	185379	48.68	ug/L		0.00
Spiked Amount 50.000	Range 90 - 117		Recovery = 97.36%				
29) 1,2-Dichloroethane-d4	4.773	65	92550	44.19	ug/L		0.00
Spiked Amount 50.000	Range 64 - 106		Recovery = 88.38%				
45) Toluene-D8	6.561	98	336667	48.74	ug/L		0.00
Spiked Amount 50.000	Range 85 - 106		Recovery = 97.48%				
64) 4-Bromofluorobenzene	9.277	95	128003	48.50	ug/L		0.00
Spiked Amount 50.000	Range 79 - 99		Recovery = 97.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.448	85	55978	41.95	ug/L		100
3) Chloromethane	1.592	50	99555	50.67	ug/L		99
4) Vinyl chloride	1.673	62	90775	51.95	ug/L		100
5) Bromomethane	1.929	94	52741	54.53	ug/L		99
6) Chloroethane	2.003	64	55504	57.29	ug/L		99
7) Trichlorofluoromethane	2.206	101	133258	49.17	ug/L		99
8) Ethyl ether	2.430	59	61542	51.46	ug/L		100
9) Freon 113	2.617	101	80645	50.38	ug/L		99
10) 1,1-Dichloroethene	2.617	61	120971	51.98	ug/L		100
11) Acetone	2.655	43	28363	55.84	ug/L		100
12) Carbon disulfide	2.804	76	223078	52.70	ug/L		99
13) Methyl acetate	2.916	43	49712	53.82	ug/L	#	96
14) Methylene chloride	3.007	84	90628	48.24	ug/L		96
15) Acrylonitrile	3.199	53	24942	52.26	ug/L		97
16) tert-Butyl Alcohol	3.081	59	737137	4583.35	ug/L		99
17) Methyl tert-butyl Ether	3.231	73	196933	47.48	ug/L		98
18) trans-1,2-Dichloroethene	3.231	61	117124	52.94	ug/L		98
19) 1,1-Dichloroethane	3.578	63	147790	49.83	ug/L		100
20) Vinyl acetate	3.610	43	113670	49.16	ug/L		98
21) 2,2-Dichloropropane	4.069	77	140468	48.67	ug/L		100
22) 2-Butanone	4.074	72	9643	49.19	ug/L		99
23) cis-1,2-Dichloroethene	4.063	96	103293	51.02	ug/L		98
24) Bromochloromethane	4.272	128	45618	49.28	ug/L		94
25) Chloroform	4.336	83	165925	49.25	ug/L		99
27) Tetrahydrofuran	4.320	42	40019	50.58	ug/L		94
28) 1,1,1-Trichloroethane	4.506	97	147747	48.37	ug/L		99
30) Carbon Tetrachloride	4.650	117	124835	48.09	ug/L		99
31) Benzene	4.832	78	364960	52.49	ug/L		99
32) 1,2-Dichloroethane	4.843	62	113085	47.08	ug/L		99
33) Trichloroethene	5.408	130	103084	49.39	ug/L		99
34) Methylcyclohexane	5.590	83	171246	52.81	ug/L		96
36) 1,2-Dichloropropane	5.616	63	96373	52.54	ug/L		97
38) Dibromomethane	5.723	93	52571	50.75	ug/L		97
39) Bromodichloromethane	5.867	83	122312	48.77	ug/L		99
40) 2-Chloroethyl vinyl Ether	6.150	63	4985	17.99	ug/L		98

11/29/13

Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\111129\V93731.D
DataAcq Meth:8260RUN.M
Acq On : 29 Nov 2011 12:07 pm
Sample : 50ppb mega CC
Misc : Soil
ALS Vial : 3 Sample Multiplier: 1

Operator: Bill Brew
Inst : Instrument #1

Quant Time: Nov 29 12:33:51 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE

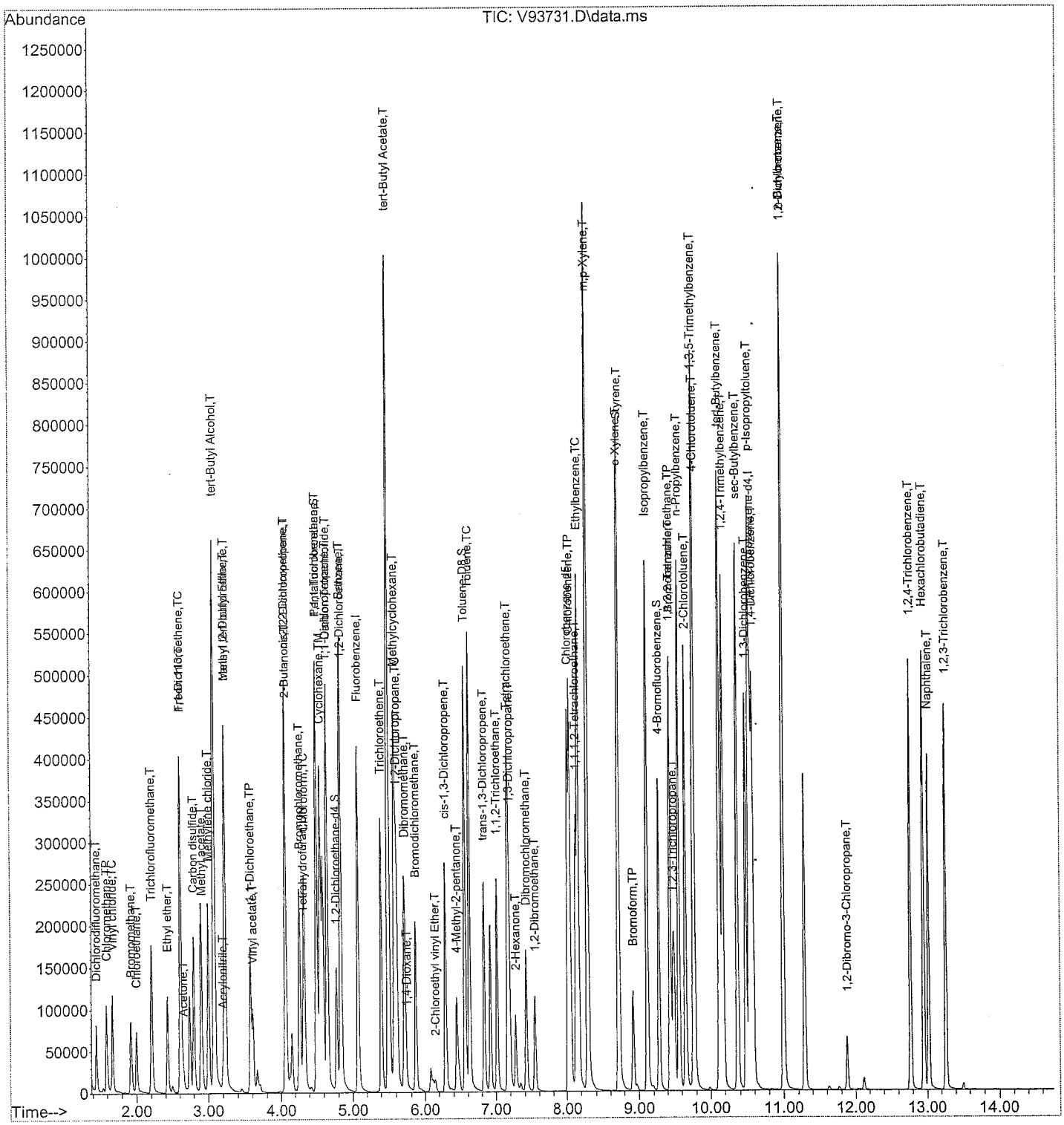
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,1-Dichloropropene	4.645	75	124148	51.42	ug/L	99
43) cis-1,3-Dichloropropene	6.294	75	147048	50.76	ug/L	96
44) 4-Methyl-2-pentanone	6.444	58	29391	48.87	ug/L	99
46) Toluene	6.625	91	393638	49.68	ug/L	99
47) trans-1,3-Dichloropropene	6.833	75	128006	49.25	ug/L	97
48) 1,1,2-Trichloroethane	7.020	97	77800	48.27	ug/L	99
49) 1,3-Dichloropropane	7.191	76	124990	49.41	ug/L	99
50) Tetrachloroethene	7.169	166	113622	48.17	ug/L	99
51) 2-Hexanone	7.276	43	53903	50.30	ug/L	97
52) Dibromochloromethane	7.420	129	88578	47.62	ug/L	100
53) 1,2-Dibromoethane	7.543	107	76740	48.13	ug/L	99
55) Chlorobenzene	8.050	112	261899	49.44	ug/L	98
56) 1,1,1,2-Tetrachloroethane	8.135	131	95347	47.44	ug/L	98
57) Ethylbenzene	8.167	91	446913	49.93	ug/L	99
58) m,p-Xylene	8.290	106	317308	99.39	ug/L	95
59) o-Xylene	8.712	106	162826	49.78	ug/L	95
60) Styrene	8.728	104	250574	50.53	ug/L	99
61) Bromoform	8.925	173	57901	47.36	ug/L	99
62) Isopropylbenzene	9.112	105	441095	50.25	ug/L	99
63) 1,2,3-Trichloropropane	9.486	110	26450	45.70	ug/L #	89
65) Bromobenzene	9.443	156	109733	47.43	ug/L	95
66) 1,1,2,2-Tetrachloroethane	9.438	83	90674	48.99	ug/L	99
67) n-Propylbenzene	9.566	91	510533	50.56	ug/L	100
68) 2-Chlorotoluene	9.662	126	108036	48.81	ug/L	95
69) 4-Chlorotoluene	9.779	126	101752	57.06	ug/L	98
70) 1,3,5-Trimethylbenzene	9.763	105	350404	48.13	ug/L	100
71) tert-Butylbenzene	10.126	134	82145	48.51	ug/L	97
72) 1,2,4-Trimethylbenzene	10.179	105	352429	47.70	ug/L	100
73) sec-Butylbenzene	10.372	105	475519	50.71	ug/L	99
74) p-Isopropyltoluene	10.537	119	388834	48.69	ug/L	100
76) 1,3-Dichlorobenzene	10.489	146	211537	47.06	ug/L	100
77) 1,4-Dichlorobenzene	10.585	146	202065	46.39	ug/L	99
78) n-Butylbenzene	10.996	91	384399	49.53	ug/L	99
79) 1,2-Dichlorobenzene	11.001	146	182275	46.40	ug/L	99
81) 1,2-Dibromo-3-Chloropr...	11.882	157	18467	35.26	ug/L	99
82) 1,2,4-Trichlorobenzene	12.773	180	160732	45.01	ug/L	100
83) 1,2,3-Trichlorobenzene	13.269	180	144883	44.91	ug/L	98
84) Hexachlorobutadiene	12.955	225	107402	45.36	ug/L	100
85) Naphthalene	13.024	128	296988	41.60	ug/L	100
86) Cyclohexane	4.560	56	172268	53.76	ug/L	95
87) 1,4-Dioxane	5.745	88	1104	45.29	ug/L #	85
88) tert-Butyl Acetate	5.510	57	304129	231.76	ug/L	96

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

Data File: C:\msdchem\1\DATA\111129\V93731.D
DataAcq Meth:8260RUN.M
Acq On : 29 Nov 2011 12:07 pm
Sample : 50ppb mega CC
Misc : Soil
ALS Vial : 3 Sample Multiplier: 1

Operator: Bill Brew
Inst : Instrument #1

Quant Time: Nov 29 12:33:51 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE



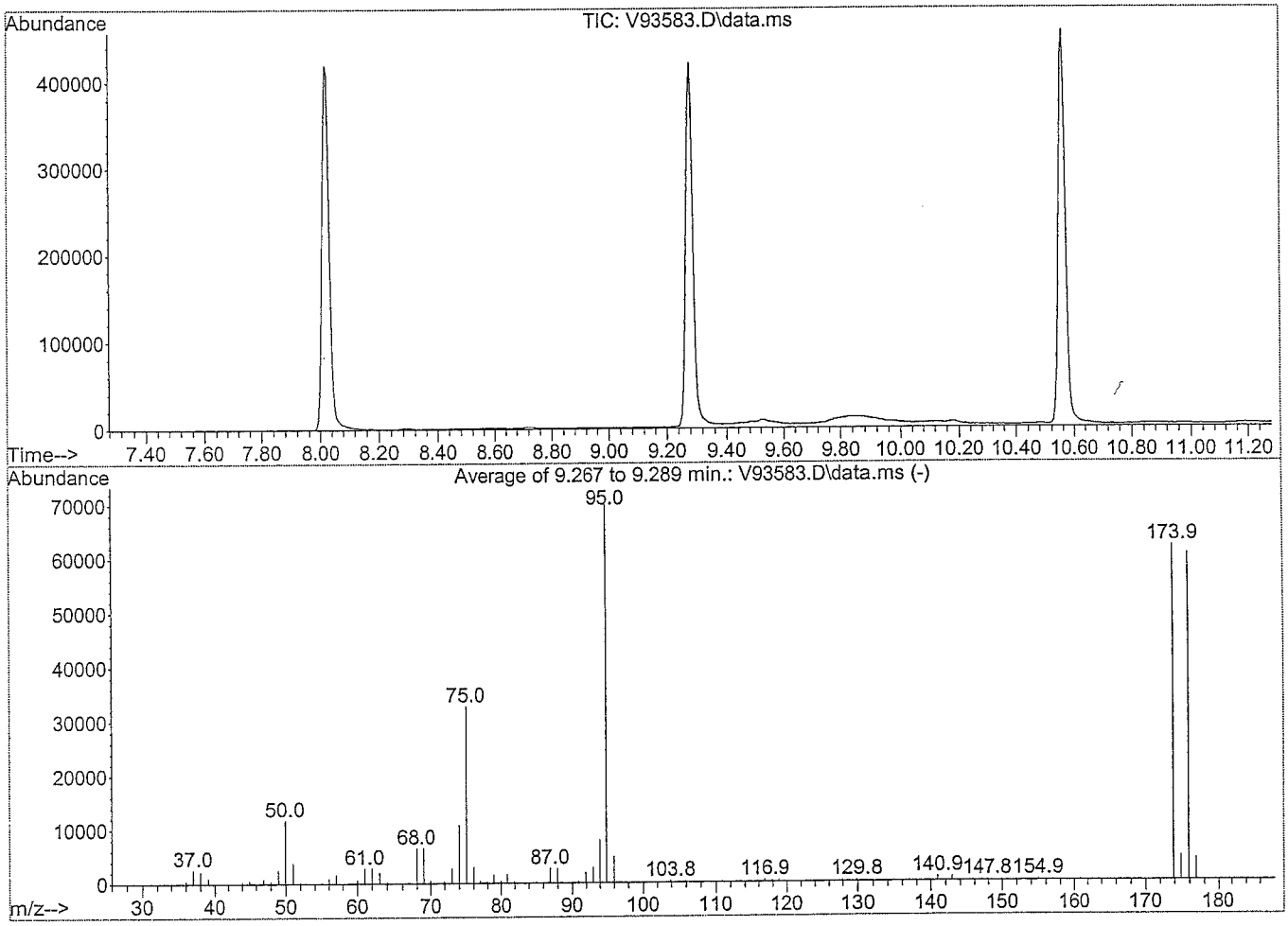
VOLATILE ORGANICS

RAW QC DATA

Data Path : C:\msdchem\1\DATA\111121\
Data File : V93583.D
Acq On : 21 Nov 2011 12:59 pm
Operator : Bill Brew
Sample : 50ng BFB
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\METHODS\112111.M
Title : 8260/624 Analysis
Last Update : Mon Nov 21 16:05:50 2011



Spectrum Information: Average of 9.267 to 9.289 min.

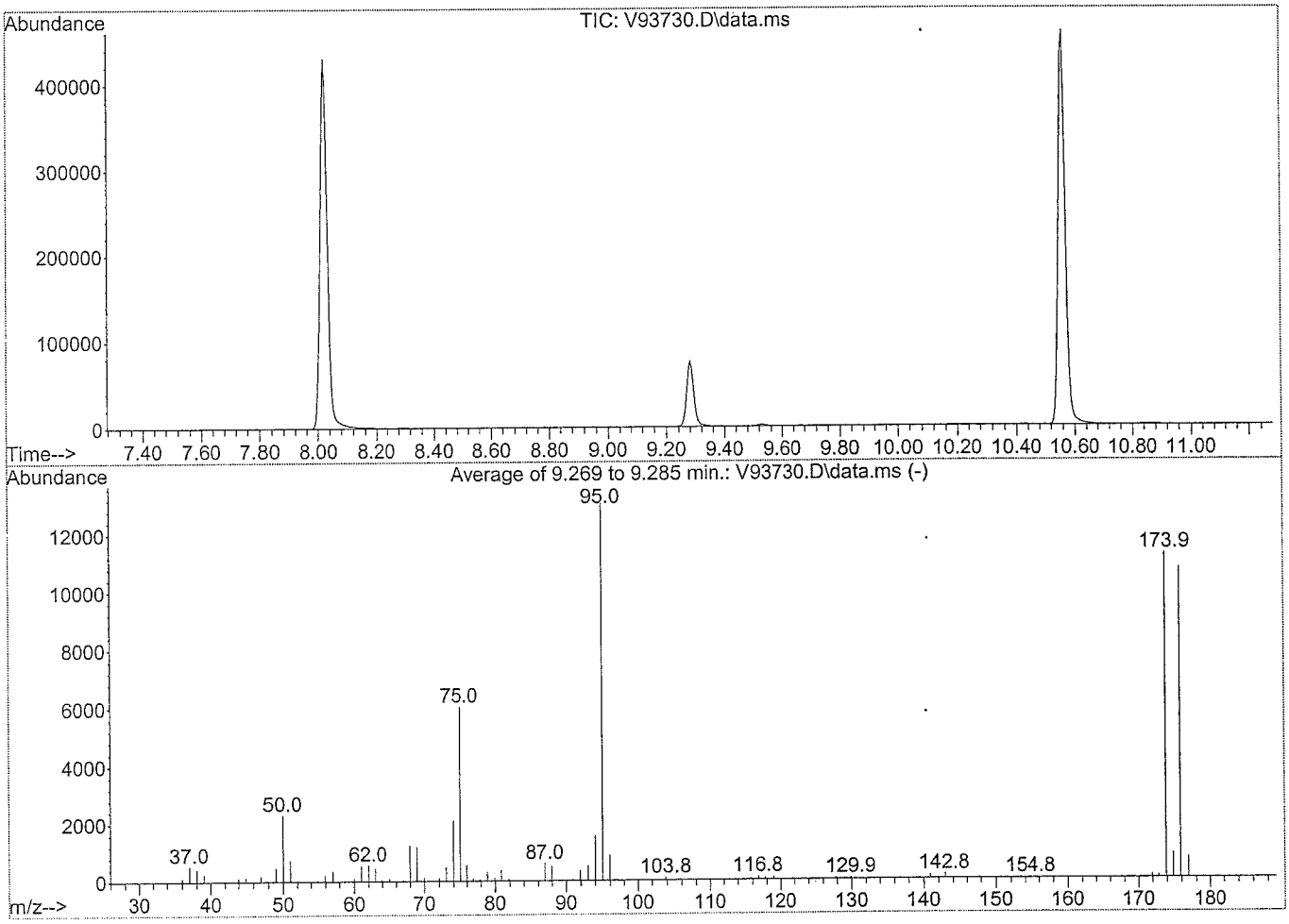
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.7	11677	PASS
75	95	30	60	46.9	32722	PASS
95	95	100	100	100.0	69804	PASS
96	95	5	9	6.8	4753	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	88.8	61972	PASS
175	174	5	9	7.2	4473	PASS
176	174	95	101	97.6	60515	PASS
177	176	5	9	6.6	3976	PASS

11/21 BB

Data Path : C:\msdchem\1\DATA\111129\
Data File : V93730.D
Acq On : 29 Nov 2011 11:44 am
Operator : Bill Brew
Sample : 50ng BFB
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\METHODS\112111.M
Title : 8260/624 Analysis
Last Update : Mon Nov 21 16:05:50 2011



Spectrum Information: Average of 9.269 to 9.285 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.7	2309	PASS
75	95	30	60	46.2	6023	PASS
95	95	100	100	100.0	13049	PASS
96	95	5	9	6.6	864	PASS
173	174	0.00	2	0.8	85	PASS
174	95	50	100	86.1	11239	PASS
175	174	5	9	7.6	852	PASS
176	174	95	101	95.6	10744	PASS
177	176	5	9	6.6	708	PASS

11/29 BJ3

Data File: C:\msdchem\1\DATA\111129\V93732.D
DataAcq Meth:8260RUN.M
Acq On : 29 Nov 2011 12:30 pm
Sample : SOIL LCS
Misc : Soil
ALS Vial : 4 Sample Multiplier: 1

Operator: Bill Brew
Inst : Instrument #1

Quant Time: Nov 29 12:46:45 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	5.075	96	364178	50.00	ug/L		0.00
54) Chlorobenzene-d5	8.021	117	263801	50.00	ug/L		0.00
75) 1,4-Dichlorobenzene-d4	10.561	152	127760	50.00	ug/L		0.00
System Monitoring Compounds							
26) Pentafluorobenzene	4.504	168	197792	50.46	ug/L		0.00
Spiked Amount 50.000	Range 90 - 117		Recovery = 100.92%				
29) 1,2-Dichloroethane-d4	4.776	65	93547	43.39	ug/L		0.00
Spiked Amount 50.000	Range 64 - 106		Recovery = 86.78%				
45) Toluene-D8	6.559	98	349928	49.21	ug/L		0.00
Spiked Amount 50.000	Range 85 - 106		Recovery = 98.42%				
64) 4-Bromofluorobenzene	9.280	95	131077	48.20	ug/L		0.00
Spiked Amount 50.000	Range 79 - 99		Recovery = 96.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.451	85	98696	71.84	ug/L		99
3) Chloromethane	1.590	50	128996m	63.78	ug/L		
4) Vinyl chloride	1.670	62	115477	64.20	ug/L		99
5) Bromomethane	1.926	94	61884	63.38	ug/L		98
6) Chloroethane	2.006	64	63592	63.76	ug/L		99
7) Trichlorofluoromethane	2.209	101	156372	56.05	ug/L		99
8) Ethyl ether	2.428	59	69231	56.24	ug/L		100
9) Freon 113	2.615	101	87716	53.23	ug/L		98
10) 1,1-Dichloroethene	2.620	61	130124	54.32	ug/L		100
11) Acetone	2.652	43	23586	44.80	ug/L		100
12) Carbon disulfide	2.807	76	237198	54.44	ug/L		100
14) Methylene chloride	3.004	84	96250	50.14	ug/L		98
15) Acrylonitrile	3.202	53	28539	58.09	ug/L		96
17) Methyl tert-butyl Ether	3.228	73	216662	50.74	ug/L		99
18) trans-1,2-Dichloroethene	3.228	61	123285	54.13	ug/L		99
19) 1,1-Dichloroethane	3.581	63	156316	51.19	ug/L		99
20) Vinyl acetate	3.613	43	130747	54.92	ug/L		97
21) 2,2-Dichloropropane	4.072	77	149979	50.48	ug/L		100
22) 2-Butanone	4.072	72	9838	48.75	ug/L		98
23) cis-1,2-Dichloroethene	4.066	96	108999	52.30	ug/L		98
24) Bromochloromethane	4.274	128	47801	50.17	ug/L		95
25) Chloroform	4.333	83	181620	52.37	ug/L		99
27) Tetrahydrofuran	4.317	42	24901	30.57	ug/L		93
28) 1,1,1-Trichloroethane	4.504	97	157121	49.97	ug/L		99
30) Carbon Tetrachloride	4.653	117	137006	51.27	ug/L		98
31) Benzene	4.835	78	377243	52.70	ug/L		100
32) 1,2-Dichloroethane	4.845	62	119638	48.38	ug/L		100
33) Trichloroethene	5.411	130	105801	49.24	ug/L		99
36) 1,2-Dichloropropane	5.619	63	102244	54.15	ug/L	#	57
38) Dibromomethane	5.726	93	57537	53.96	ug/L		98
39) Bromodichloromethane	5.870	83	127402	49.35	ug/L		100
40) 2-Chloroethyl vinyl Ether	6.153	63	56281	197.34	ug/L		98
42) 1,1-Dichloropropene	4.648	75	132475	53.30	ug/L		99
43) cis-1,3-Dichloropropene	6.297	75	146795	49.23	ug/L		95
44) 4-Methyl-2-pentanone	6.447	58	32760	52.91	ug/L	#	59

11/30 BB

Data File: C:\msdchem\1\DATA\111129\V93732.D
DataAcq Meth:8260RUN.M
Acq On : 29 Nov 2011 12:30 pm
Sample : SOIL LCS
Misc : Soil
ALS Vial : 4 Sample Multiplier: 1

Operator: Bill Brew
Inst : Instrument #1

Quant Time: Nov 29 12:46:45 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE

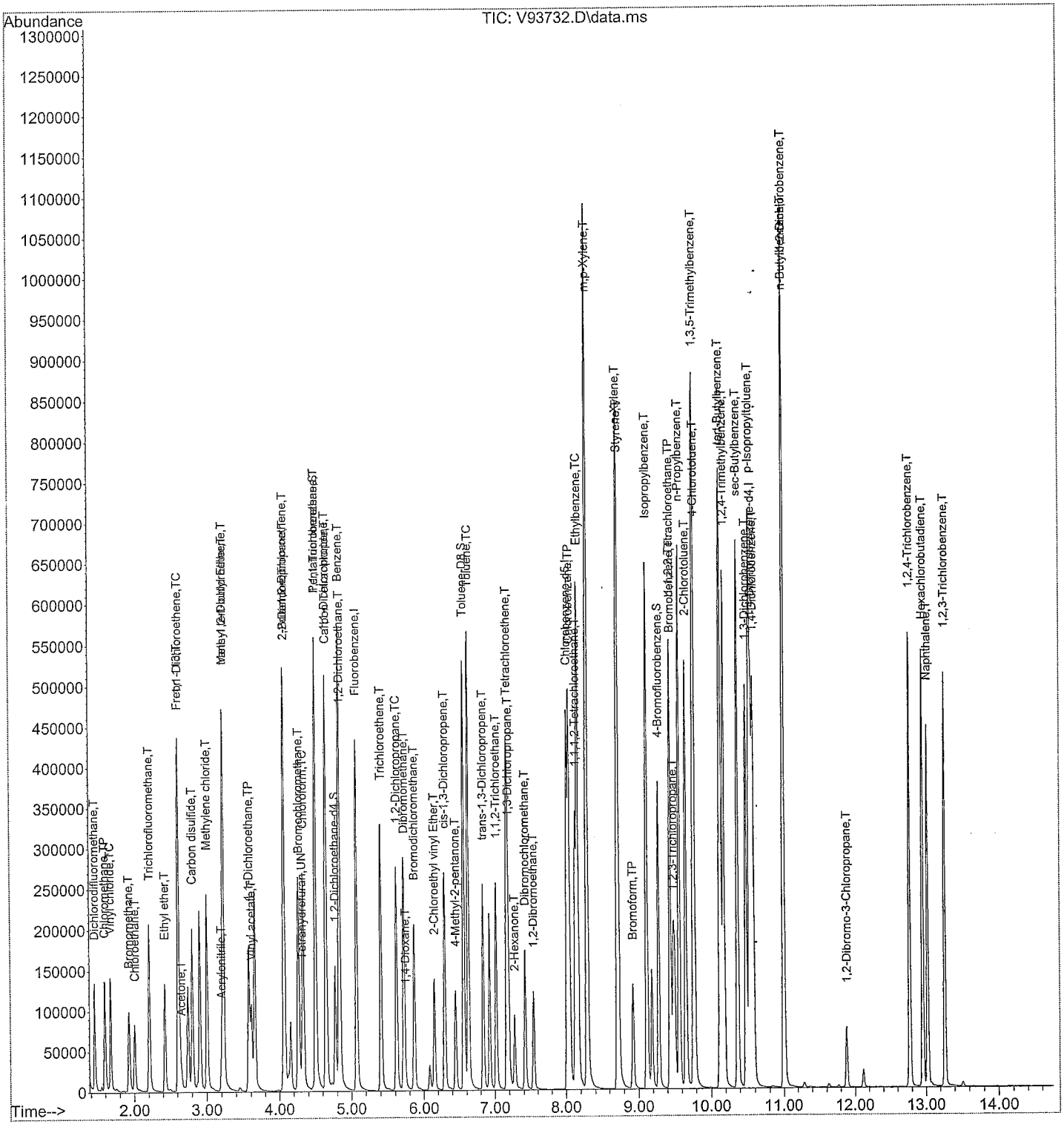
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Toluene	6.628	91	403521	49.47	ug/L		99
47) trans-1,3-Dichloropropene	6.836	75	132195	49.41	ug/L		96
48) 1,1,2-Trichloroethane	7.023	97	81068	48.86	ug/L		98
49) 1,3-Dichloropropane	7.194	76	131734	50.58	ug/L		100
50) Tetrachloroethene	7.172	166	119265	49.12	ug/L		99
51) 2-Hexanone	7.274	43	54322	49.24	ug/L		98
52) Dibromochloromethane	7.423	129	91197	47.63	ug/L		99
53) 1,2-Dibromoethane	7.541	107	81965	49.94	ug/L		100
55) Chlorobenzene	8.053	112	267805	49.06	ug/L		98
56) 1,1,1,2-Tetrachloroethane	8.138	131	99284	47.94	ug/L		98
57) Ethylbenzene	8.170	91	459736	49.85	ug/L		99
58) m,p-Xylene	8.293	106	325130	98.83	ug/L		95
59) o-Xylene	8.715	106	165276	49.03	ug/L		95
60) Styrene	8.731	104	270390	52.91	ug/L		99
61) Bromoform	8.923	173	63985	50.79	ug/L		99
62) Isopropylbenzene	9.115	105	446892	49.41	ug/L		100
63) 1,2,3-Trichloropropane	9.483	110	28391	47.61	ug/L		96
65) Bromobenzene	9.446	156	114336	47.96	ug/L		94
66) 1,1,2,2-Tetrachloroethane	9.440	83	98385	51.58	ug/L		99
67) n-Propylbenzene	9.569	91	545974	52.47	ug/L		100
68) 2-Chlorotoluene	9.659	126	109000	47.79	ug/L		99
69) 4-Chlorotoluene	9.782	126	106772	58.11	ug/L		100
70) 1,3,5-Trimethylbenzene	9.766	105	357345	47.63	ug/L		99
71) tert-Butylbenzene	10.124	134	85925	49.24	ug/L		98
72) 1,2,4-Trimethylbenzene	10.177	105	367143	48.22	ug/L		100
73) sec-Butylbenzene	10.369	105	492389	50.96	ug/L		99
74) p-Isopropyltoluene	10.535	119	400396	48.66	ug/L		99
76) 1,3-Dichlorobenzene	10.486	146	217929	47.91	ug/L		100
77) 1,4-Dichlorobenzene	10.588	146	209682	47.57	ug/L		99
78) n-Butylbenzene	10.999	91	411301	52.37	ug/L		98
79) 1,2-Dichlorobenzene	11.004	146	198097	49.84	ug/L		99
81) 1,2-Dibromo-3-Chloropr...	11.885	157	20831	39.31	ug/L		97
82) 1,2,4-Trichlorobenzene	12.771	180	177290	49.06	ug/L		99
83) 1,2,3-Trichlorobenzene	13.267	180	154248	47.25	ug/L		99
84) Hexachlorobutadiene	12.957	225	113095	47.21	ug/L		99
85) Naphthalene	13.021	128	339004	46.93	ug/L		100
87) 1,4-Dioxane	5.742	88	1339	54.29	ug/L	#	62

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

Data File: C:\msdchem\1\DATA\111129\V93732.D
DataAcq Meth:8260RUN.M
Acq On : 29 Nov 2011 12:30 pm
Sample : SOIL LCS
Misc : Soil
ALS Vial : 4 Sample Multiplier: 1

Operator: Bill Brew
Inst : Instrument #1

Quant Time: Nov 29 12:46:45 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE



PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc

Client Job Site: 690 St. Paul St.
Client Job Number: 209280
Field Location: N/A
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5141A
Lab Sample Number: Soil LRB 11/29
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 11/29/2011

Halocarbons	Results in ug / Kg
Bromodichloromethane	< 4.00
Bromomethane	< 4.00
Bromoform	< 10.0
Carbon Tetrachloride	< 4.00
Chloroethane	< 4.00
Chloromethane	< 4.00
2-Chloroethyl vinyl Ether	< 20.0
Chloroform	< 4.00
Dibromochloromethane	< 4.00
1,1-Dichloroethane	< 4.00
1,2-Dichloroethane	< 4.00
1,1-Dichloroethene	< 4.00
cis-1,2-Dichloroethene	< 4.00
trans-1,2-Dichloroethene	< 4.00
1,2-Dichloropropane	< 4.00
cis-1,3-Dichloropropene	< 4.00
trans-1,3-Dichloropropene	< 4.00
Methylene chloride	< 10.0
1,1,2,2-Tetrachloroethane	< 4.00
Tetrachloroethene	< 4.00
1,1,1-Trichloroethane	< 4.00
1,1,2-Trichloroethane	< 4.00
Trichloroethene	< 4.00
Trichlorofluoromethane	< 4.00
Vinyl chloride	< 4.00

Aromatics	Results in ug / Kg
Benzene	< 4.00
Chlorobenzene	< 4.00
Ethylbenzene	< 4.00
Toluene	< 4.00
m,p-Xylene	< 4.00
o-Xylene	< 4.00
Styrene	< 10.0
1,2-Dichlorobenzene	< 4.00
1,3-Dichlorobenzene	< 4.00
1,4-Dichlorobenzene	< 4.00

Ketones	Results in ug / Kg
Acetone	< 20.0
2-Butanone	< 20.0
2-Hexanone	< 10.0
4-Methyl-2-pentanone	< 10.0

Miscellaneous	Results in ug / Kg
Carbon disulfide	< 4.00
Vinyl acetate	< 10.0

ELAP Number 10958 Method: EPA 8260B Data File: V93733.D

Comments: ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc

Client Job Site:	690 St. Paul St.	**Lab Project Number:**	11-5141A
		Lab Sample Number:	Soil LRB 11/29
Client Job Number:	209280		
Field Location:	N/A	**Date Sampled:**	N/A
Field ID Number:	N/A	**Date Received:**	N/A
Sample Type:	Soil	**Date Analyzed:**	11/29/2011

Tentatively Identified Compounds	CAS Number	Retention Time	Results in ug / Kg	Percent Fit
None Found	N/A	N/A	< 10.0	N/A

ELAP Number 10958 Method: EPA 8260B Data File: V93733.D

Comments: ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\111129\V93733.D
DataAcq Meth:8260RUN.M
Acq On : 29 Nov 2011 12:54 pm
Sample : SOIL LRB
Misc : Soil
ALS Vial : 5 Sample Multiplier: 1

Operator: Bill Brew
Inst : Instrument #1

Quant Time: Nov 29 13:12:21 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE

BM

no TICs

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.078	96	367371	50.00 ug/L	0.00
54) Chlorobenzene-d5	8.024	117	266841	50.00 ug/L	0.00
75) 1,4-Dichlorobenzene-d4	10.559	152	139261	50.00 ug/L	0.00
System Monitoring Compounds					
26) Pentafluorobenzene	4.507	168	190653	48.21 ug/L	0.00
Spiked Amount 50.000	Range 90 - 117		Recovery = 96.42%		
29) 1,2-Dichloroethane-d4	4.779	65	93675	43.07 ug/L	0.00
Spiked Amount 50.000	Range 64 - 106		Recovery = 86.14%		
45) Toluene-D8	6.562	98	317058	44.20 ug/L	0.00
Spiked Amount 50.000	Range 85 - 106		Recovery = 88.40%		
64) 4-Bromofluorobenzene	9.278	95	117217	42.61 ug/L	0.00
Spiked Amount 50.000	Range 79 - 99		Recovery = 85.22%		
Target Compounds					Qvalue
11) Acetone	2.655	43	4062	3.22 ug/L	98
14) Methylene chloride	3.007	84	11287	Below Cal	97
82) 1,2,4-Trichlorobenzene	12.779	180	2372	0.60 ug/L	98
83) 1,2,3-Trichlorobenzene	13.270	180	3093	0.87 ug/L	97
85) Naphthalene	13.030	128	7020	0.89 ug/L	98

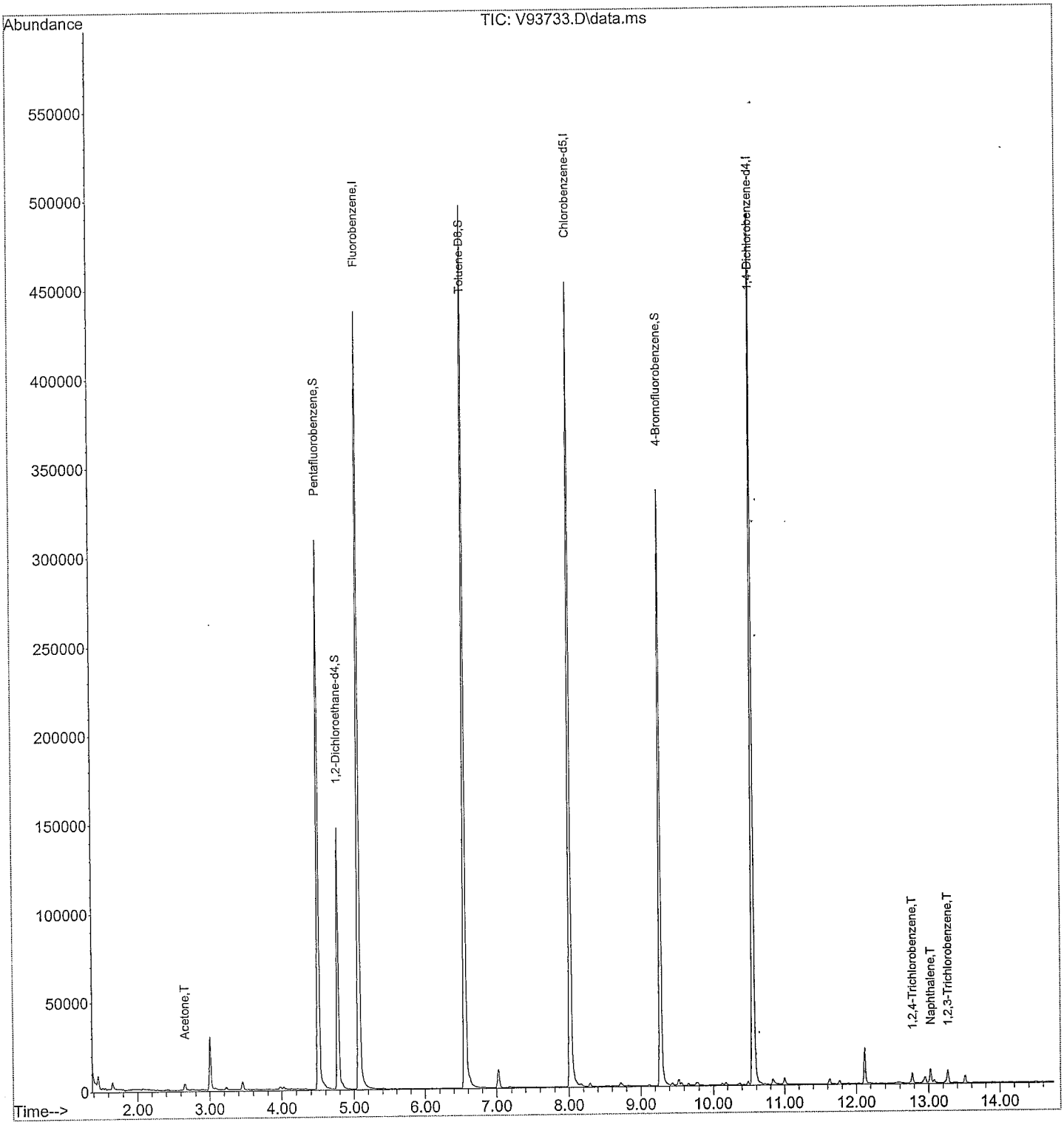
(#) = qualifier out of range (m) = manual integration (+) = signals summed

11/30 BB

Data File: C:\msdchem\1\DATA\111129\V93733.D
DataAcq Meth:8260RUN.M
Acq On : 29 Nov 2011 12:54 pm
Sample : SOIL LRB
Misc : Soil
ALS Vial : 5 Sample Multiplier: 1

Operator: Bill Brew
Inst : Instrument #1

Quant Time: Nov 29 13:12:21 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE



GC / MS VOA System 6890 / 5973

Internal Standard: 11257

Date of Intial Calibration: 11/21/11

Date	GC Method	Vial #	Data File	Matrix	Sample ID	Volume	Std#	Test	Seq	Intials
11/21/11	8260KVN	1	V93582		50 ng BFB	1 µl	11238		1	BB
	↓	2	V93583		↓	↓	↓			
		3	V93584		1 ppb mgn Cal	0.1 µl	11242	updated 11/21/11 BB 112111.M		
		4	V93585		5	0.5				
		5	V93586		20	2				
		6	V93587		50	5				
		7	V93588		100	10				
		8	V93589		150	15				
		9	V93590		200 ↓	20 ↓	↓		↓	
		10	V93591	soil	LCS/SS Ref	5 µl	11243		2	
		11	V93592		LRB				3	
		12	V93593		16595	0.0424 g	62-2	*		
		13	V93594		16596	1.28 g	62-1			
		14	V93595		16597	0.194 g	62-2			
		15	V93596		16598	1.25 g	↓			
		16	V93597		MS	1.03 g				
		17	V93598		↓ MSD	1.24 g				
		18	V93599		16599	0.167 g	62-2			
		19	V93600		16733	1.56 g	62			
		20	V93601		16734	1.31 g	↓			
		21	V93602		16661B	1.27 g	63-1			
		22	V93603		16662B	1.12 g	63-2			
		23	V93604		16809	1.46 g	62-1			
	↓	24	V93605	↓	16810	1.32 g	↓		↓	↓

A	R	pH	Res Cl	Comments	Intials
					BB
X				m/s	
				Rush!	
				↓	↓

*A = Accept R = Reject

^ pH and Res Cl recorded for 624 Only

-108-

GC / MS VOA System 6890 / 5973

Internal Standard: 11257

Date of Intial Calibration: 11/21/11

Date	GC Method	Vial #	Data File	Matrix	Sample ID	Volume	Std#	Test	Seq	Intials	A	R	pH	Res Cl	Comments	Intials
11/28/11	8260 RUN	18	v93723	water	16933	5 ml	v1	624-Tol.	2	BB			~2	neg		BB
		19	v93724		16938			624 BTEX								
		20	v93725		16939											
		21	v93726		16940											
		22	v93727		16950	10 ml		Xerox-site								
		23	v93728	BB 11/28 CC	16949	10 ml										
		~~24~~	~~v93729~~													
11/29/11	8260 RUN	1	v93729		50 ng BFB	1 µl	11238		1	BB						BB
		2	v93730		↓	↓	↓									
		3	v93731		50 ppb mega CC	5 µl	11242									
		4	v93732	soil	LCS	5 µl	11243		2						55 # 11265	
		5	v93733		LRB				3							
		6	v93734		16941	1.24 g	62	*								
		7	v93735		16942	1.12 g										
		8	v93736		16945	1.21 g										
		9	v93737		↓ MS	1.39 g										
		10	v93738		↓ MSD	1.38 g										
		11	v93739		16946	1.27 g										
		12	v93740		16947	0.132 g										
		13	v93741		16948	1.11 g										
		14	v93742		~~16947~~ 16978 BB 11/29 CC	1.13 g										
		15	v93743		16979	1.29 g										
		16	v93744		16980	1.31 g										
		17	v93745		16981	0.144 g										

A	R	pH	Res Cl	Comments	Intials
	X			~~1.1~~ g	
				1.50 g	
	X			~~1.1~~ g	

*A = Accept R = Reject

^ pH and Res Cl recorded for 624 Only

GC / MS VOA System 6890 / 5973

Internal Standard: 11257

Date of Intial Calibration: 11/21/11

Date	GC Method	Vial #	Data File	Matrix	Sample ID	Volume	Std#	Test	Seq	Intials	A	R	pH	Res Cl	Comments	Intials
11/29/11	8260RUN	18	v93746	soil	16982	1.39g	G2	☆	3	BB						BB
		19	v93747		16983	1.53g										
		20	v93748		16984	1.21g										
		21	v93749		16985	0.129g										
		22	v93750		16986	0.122g										
		23	v93751		16987	1.61g										
		24	v93752		17006	2.75g		TCL+TICs (ASP)							flush + 2nd window	
		25	v93753		17007	2.61g			1							BB
		26	v93754		50ng BFB	1µl	11238									
		27	v93755		↓	↓	↓		↓							
		28	v93756		50ppb mega cc	5µl	11242		2							
		29	v93757	water	CCS	5µl	11243									
		30	v93758	↓	LRB											
		31	v93759	TCLP	16944	500µl	V1	Benz.								
		32	v93760		16967											
		33	v93761	↓	16968	↓										
		34	v93762	water	16977	5ml		624 BTEX					<2	mg		
		35	v93763		16916	↓		601/602					↓	↓		
		36	v93764		16977MS	5ml										
		37	v93765		↓ MSD	↓										
		38	v93766		16917	5ml		601/602					<2	mg	≈ 500µl	
		39	v93767		16918	5ml										
		40	v93768		16919	2ml										
	↓	41	v93769	↓	16920	2ml	↓	↓	↓	↓			↓	↓		↓

*A = Accept R = Reject

^ pH and Res Cl recorded for 624 Only

SEMIVOLATILE ORGANICS

QC SUMMARY

2D

SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Lab Project #: 11-5141A Client Project #: 209280 SDG No.: 17006

Client Project Name: 690 St. Paul St.

	SAMPLE NO.	S1 2-FP	S2 P-d5	S3 NB-d5	S4 2-FBP	S5 2,4,6-TBP	S6 TP-d14	TOT OUT
01	Soil PB 11/29	55.7	63.2	68.4	69.5	63.5	88.2	0
02	Soil LCS 11/29	64.4	72.2	76.5	76.8	77.5	89.1	0
03	CS-6 17006	63.3	71.6	72.8	75.1	66.6	79.8	0
04	CS-7 17007	50.4 *	65.8	68.3	71.2	47.4 *	83.2	2
05								
06								
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

	QC LIMITS %
S1 (2-FP) =2-Fluorophenol	(51.2-85.5)
S2 (P-d5) = Phenol-d5	(55.2-89.8)
S3 (NB-d5) = Nitrobenzene-d5	(62.0-93.6)
S4 (2-FBP) = 2-Fluorobiphenyl	(62.2-99.3)
S5 (2,4,6-TBP) = 2,4,6-Tribromophenol	(56.4-110)
S6 (TP) = Terphenyl-d14	(65.4-109)

* Values outside of current required QC limits

D Surrogate diluted out

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile Analysis QC Limits

Limits effective: Oct 22,2011
Through: Dec 31,2011

Spiked Compound	Soil Spike Limits		Soil % RPD Limits		Water Spike Limits		Water % RPD Limits	
	Lower %	Upper %	Lower %	Upper %	Lower %	Upper %	Lower %	Upper %
2-Chlorophenol	58.2	92.4	0	19.8	26.5	108	0	90.2
1,4-Dichlorobenzene	58.9	86.1	0	14.6	20.0	81.9	0	91.8
N-Nitroso-di-n-propylamine	57.7	100	0	22.6	40.1	108	0	75.8
Phenol	56.4	95.0	0	20.0	-10.3	107	0	177
4-Chloro-3-methylphenol	65.1	104	0	23.4	49.3	110	0	52.7
1,2,4-Trichlorobenzene	56.0	90.8	0	15.8	24.4	86.5	0	94.3
Acenaphthene	65.3	97.7	0	15.6	43.9	103	0	77.0
2,4-Dinitrotoluene	56.8	114	0	115	36.2	111	0	78.0
4-Nitrophenol	51.3	107	0	24.0	-32.8	123	0	291
Pentachlorophenol	43.6	128	0	37.0	-16.2	163	0	229
Pyrene	72.2	106	0	17.4	47.8	114	0	73.7
Surrogates								
2-Fluorophenol	51.2	85.5	N/A	N/A	-8.58	109		
Phenol-d5	55.2	89.8	N/A	N/A	-10.7	104		
Nitrobenzene-d5	62.0	93.6	N/A	N/A	43.7	101		
2-Fluorobiphenyl	62.2	99.3	N/A	N/A	36.5	90.9		
2,4,6-Tribromophenol	56.4	110	N/A	N/A	9.90	143		
Terphenyl-d14	65.4	109	N/A	N/A	56.4	112		

ELAP Number 10958

Method: EPA 8270B

Note: When the lower acceptance limit is calculated to be below 10% recovery, a warning limit of 10% is established. Recoveries between the lower acceptance limit and the warning limit will be investigated, but will not invalidate the batch.

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc

Client Job Site: 690 St. Paul St.
Client Job Number: 209280
Field Location: N/A
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5141A
Lab Sample Number: Soil LCS 11/29

Date Sampled: N/A
Date Received: N/A
Date Analyzed: 11/30/2011

SDG# : 17006

Spiked Compound	Sample Results in ug / Kg	LCS Spiked in ug / Kg	LCS Results in ug / Kg	LCS Percent Recovery	MSD Spiked in ug / Kg	MSD Results in ug / Kg	MSD Percent Recovery	MS / MSD % RPD
2-Chlorophenol	< 286	2,140	1,550	72.4	N/A	N/A	N/A	N/A
1,4-Dichlorobenzene	< 286	1,430	927	64.8	N/A	N/A	N/A	N/A
N-Nitroso-di-n-propylamine	< 286	1,430	1,170	81.8	N/A	N/A	N/A	N/A
Phenol	< 286	2,140	1,620	75.7	N/A	N/A	N/A	N/A
4-Chloro-3-methylphenol	< 286	2,140	1,730	80.8	N/A	N/A	N/A	N/A
1,2,4-Trichlorobenzene	< 286	1,430	880	61.5	N/A	N/A	N/A	N/A
Acenaphthene	< 286	1,430	1,110	77.6	N/A	N/A	N/A	N/A
2,4-Dinitrotoluene	< 286	1,430	1,100	76.9	N/A	N/A	N/A	N/A
4-Nitrophenol	< 714	2,140	1,760	82.2	N/A	N/A	N/A	N/A
Pentachlorophenol	< 714	2,140	1,810	84.6	N/A	N/A	N/A	N/A
Pyrene	< 286	1,430	1,230	86.0	N/A	N/A	N/A	N/A

ELAP Number 10958 Data File: S60098.D Data File: S60099.D Method: EPA 8270C

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

4B

SEMIVOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

Soil PB 11/29

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Lab Project #: 11-5141A Client Project #: 209280 SDG No.: 17006

Client Project Name: 690 St. Paul St.

Lab File ID: S60098.D Lab Sample ID: Soil PB 11/29

Instrument ID: 73SVOAV2 Date Extracted: 11/29/2011

Matrix: (soil/water) Soil Date Analyzed: 11/30/2011

Level: (low/med) low Time Analyzed: 12:44

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	N/A	Soil LCS 11/29	S60099.D	11/30/2011
02	CS-6	17006	S60100.D	11/30/2011
03	CS-7	17007	S60101.D	11/30/2011
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

COMMENTS:

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLOUROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Lab Project #: 11-5141A Client Project #: 209280 SDG#: 17006

Client Project Name: 690 St. Paul St.

Lab File ID: S60032a.D DFTPP Injection Date: 11/28/2011

Instrument ID: 73SVOA DFTPP Injection Time: 08:42

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0-60.0% of mass 198	38.0
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	46.0
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0-60.0% of mass 198	46.5
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	7.1
275	10.0-30.0% of mass 198	28.0
365	Greater than 1.0% of mass 198	3.1
441	Present, but less than mass 443	6.9
442	40.0-100.0% of mass 198	51.8
443	17.0-23.0% of mass 442	9.2 (17.8)2

1-Value is % mass 69 2-Value is % mass 442

This check applies to the following Samples, MS, MSD, Blanks & Standards

	Client Sample #	Lab Sample #	Lab File ID	Date Analyzed	Time Analyzed
1	N/A	8270 ICal L-1 10ppm	S60033.D	11/28/2011	09:13
2	N/A	8270 ICal L-2 20ppm	S60034.D	11/28/2011	09:44
3	N/A	8270 ICal L-3 50ppm	S60035.D	11/28/2011	10:15
4	N/A	8270 ICal L-4 100ppm	S60036.D	11/28/2011	10:46
5	N/A	8270 ICal L-5 150ppm	S60037.D	11/28/2011	11:17
6	N/A	8270 ICal L-6 200ppm	S60038.D	11/28/2011	11:48
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLOUROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Lab Project #: 11-5141A Client Project #: 209280 SDG#: 17006

Client Project Name: 690 St. Paul St.

Lab File ID: S60096.D DFTPP Injection Date: 11/29/2011

Instrument ID: 73SVOA DFTPP Injection Time: 11:41

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0-60.0% of mass 198	58.8
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	66.5
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0-60.0% of mass 198	58.5
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	7.3
275	10.0-30.0% of mass 198	30.0
365	Greater than 1.0% of mass 198	3.5
441	Present, but less than mass 443	8.0
442	40.0-100.0% of mass 198	49.0
443	17.0-23.0% of mass 442	10.5 (21.4)2

1-Value is % mass 69 2-Value is % mass 442

This check applies to the following Samples, MS, MSD, Blanks & Standards

	Client Sample #	Lab Sample #	Lab File ID	Date Analyzed	Time Analyzed
1	N/A	8270 CCal 50ppm	S60097.D	11/29/2011	12:13
2	N/A	Soil PB 11/29	S60098.D	11/29/2011	12:44
3	N/A	Soil LCS 11/29	S60099.D	11/29/2011	13:15
4	CS-6	17006	S60100.D	11/29/2011	14:18
5	CS-7	17007	S60101.D	11/29/2011	14:49
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Lab Project #: 11-5141A Client Project #: 209280 SDG#: 17006

Client Project Name: 690 St. Paul St.

Lab File ID: S60097.D Date Analyzed: 11/30/2011

Instrument ID: 73SVOA Time Analyzed: 12:13

		IS1 AREA	DCB RT	IS2 AREA	Naphth RT	IS3 AREA	Acenaph RT
	12 HOUR STD	61617	7.18	212055	9.05	133141	11.69
	UPPER LIMIT	123234	7.68	424110	9.55	266282	12.19
	LOWER LIMIT	30809	6.68	106028	8.55	66571	11.19
	LAB SAMPLE#						
1	Soil PB 11/29	55921	7.18	192457	9.04	117386	11.68
2	Soil LCS 11/29	57812	7.18	187935	9.04	114125	11.68
3	17006	57529	7.18	198999	9.04	120473	11.68
4	17007	51140	7.18	176114	9.04	108246	11.68
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS1=1,4 Dichlorobenzene-d4

IS2=Naphthalene-d8

IS3=Acenaphthene-d10

AREA UPPER LIMIT=+100% of internal standard area

AREA LOWER LIMIT=-50% of internal standard area

RT UPPER LIMIT=+.50 minutes of internal standard RT

RT LOWER LIMIT=-.50 minutes of internal standard RT

*Values outside of QC limits

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Lab Project #: 11-5141A Client Project #: 209280 SDG#: 17006

Client Project Name: 690 St. Paul St.

Lab File ID: S60097.D Date Analyzed: 11/30/2011

Instrument ID: 73SVOA Time Analyzed: 12:13

		IS4 AREA	Phenan RT	IS5 AREA	Chrysene RT	IS6 AREA	Perylene RT
	12 HOUR STD	220889	13.88	239867	18.03	207981	19.97
	UPPER LIMIT	441778	14.38	479734	18.53	415962	20.47
	LOWER LIMIT	110445	13.38	119934	17.53	103991	19.47
	LAB SAMPLE#						
1	Soil PB 11/29	201153	13.87	190255	18.02	157845	19.97
2	Soil LCS 11/29	195798	13.87	185265	18.02	153721	19.97
3	17006	208538	13.87	214255	18.02	199803	19.97
4	17007	180935	13.87	188839	18.02	172949	19.97
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS4=Phenanthrene-d10

IS5=Chrysene-d12

IS6=Perylene-d12

AREA UPPER LIMIT=+100% of internal standard area

AREA LOWER LIMIT=-50% of internal standard area

RT UPPER LIMIT=+.50 minutes of internal standard RT

RT LOWER LIMIT=-.50 minutes of internal standard RT

*Values outside of QC limits

Instrument: 73 SVOA
Matrix: Soil
Date Run: 1/18/2011
Target (in ppm) 10
* Target (in ppm) 5
** Failed 10% rule at both levels

		MDL1	MDL2	MDL3	MDL4	MDL5	MDL6	MDL7			
	Compound	Data File: S54801.D	Data File: S54802.D	Data File: S54803.D	Data File: S54804.D	Data File: S54805.D	Data File: S54806.D	Data File: S54807.D	Standard Deviation	MDL	Pass / Fail 10% Rule
1	1,4-Dichlorobenzene-d4	40.000	40.000	40.000	40.000	40.000	40.000	40.000	0.0000	0.000	
2	Benzyl alcohol	8.868	8.776	8.117	8.734	9.068	8.451	8.053	0.3855	1.212	
3	Bis (2-chloroethyl) ether	8.300	8.914	8.074	8.596	8.693	8.572	8.015	0.3327	1.046	
4	Bis (2-chloroisopropyl) ether	9.866	9.992	9.219	9.321	10.045	9.473	9.217	0.3668	1.153	
*5	2-Chlorophenol	4.717	4.133	4.681	4.704	4.581	4.519	4.172	0.2486	**0.781**	
6	1,3-Dichlorobenzene	8.925	9.431	8.587	9.015	9.687	9.073	8.800	0.3743	1.176	
7	1,4-Dichlorobenzene	9.029	9.334	8.670	8.933	9.571	8.813	8.758	0.3276	1.030	
8	1,2-Dichlorobenzene	8.881	9.417	8.802	8.950	9.556	8.882	8.446	0.3785	1.190	
9	2-Fluorophenol	97.819	98.583	94.021	93.277	95.858	91.146	91.506	2.9267	9.199	
10	Hexachloroethane	5.817	5.970	5.688	5.965	6.383	5.680	7.752	0.7332	2.305	
11	2-Methylphenol	8.975	9.744	8.904	9.369	9.642	8.933	8.868	0.3740	1.175	
12	3&4-Methylphenol	9.011	9.333	8.946	9.270	9.872	8.989	9.346	0.3217	1.011	
13	N-Nitrosodimethylamine	8.380	9.256	8.199	8.406	8.756	8.695	8.073	0.4000	1.257	
*14	N-Nitroso-di-n-propylamine	4.887	4.639	5.155	5.138	5.306	4.859	4.745	0.2430	**0.764**	
*15	Phenol	5.286	4.840	5.062	5.090	5.239	4.890	4.928	0.1720	**0.541**	
16	Phenol-d5	96.871	91.049	95.263	97.341	99.068	91.190	89.982	3.6136	11.357	
17	Napthalene-d8	40.000	40.000	40.000	40.000	40.000	40.000	40.000	0.0000	0.000	
**18	Aniline	3.605	3.375	3.663	3.597	3.709	3.549	3.584	0.1061	0.333	Fail
19	Benzoic acid	13.589	13.541	13.407	13.350	13.637	12.914	12.664	0.3701	1.163	
*20	Bis (2-chloroethoxy) methan	4.827	4.345	5.010	5.166	4.818	4.547	4.784	0.2734	**0.859**	
21	4-Chloroaniline	8.648	9.076	8.431	8.566	9.502	8.644	8.394	0.3991	1.254	
22	4-Chloro-3-methylphenol	9.539	9.609	9.278	9.594	10.317	9.223	9.255	0.3790	1.191	
*23	2,4-Dichlorophenol	4.775	4.682	4.614	4.797	5.136	4.577	4.720	0.1850	**0.582**	
24	2,6-Dichlorophenol	9.334	9.773	9.545	9.646	10.005	9.056	9.241	0.3276	1.030	
*25	2,4-Dimethylphenol	4.978	3.983	4.574	4.542	4.501	3.986	4.122	0.3683	**1.158**	
26	Hexachlorobutadiene	8.913	9.258	8.585	8.611	9.125	8.430	8.343	0.3511	1.103	
27	Isophorone	7.789	8.245	8.106	7.990	8.805	7.667	7.679	0.4014	1.262	
*28	2-Methylnapthalene	5.202	4.812	5.125	5.289	5.096	4.731	5.060	0.2025	**0.637**	
29	Naphthalene	9.669	10.061	9.575	9.761	10.413	9.650	9.436	0.3337	1.049	
30	Nitrobenzene	8.809	9.469	9.232	9.020	9.969	8.999	8.895	0.4047	1.272	
31	Nitrobenzene-d5	51.186	54.744	50.465	50.593	54.066	50.021	48.683	2.2038	6.927	
32	2-Nitrophenol	8.481	9.153	8.792	8.943	9.611	8.688	8.906	0.3635	1.142	
**33	Azobenzene	5.083	4.914	5.120	5.071	5.077	4.800	4.962	0.1163	0.366	Fail
34	1,2,4-Trichlorobenzene	8.726	9.042	8.842	8.337	9.160	8.485	8.316	0.3354	1.054	
35	Acenaphthene-d10	40.000	40.000	40.000	40.000	40.000	40.000	40.000	0.0000	0.000	
*36	2-Chloronaphthalene	7.290	6.793	7.128	7.208	7.518	6.861	6.970	0.2551	**0.802**	
*37	Acenaphthene	5.131	5.008	5.017	5.375	5.388	5.012	4.916	0.1885	**0.592**	
38	Acenaphthylene	10.086	10.717	9.945	10.592	10.834	9.881	10.019	0.4023	1.264	
39	4-Chlorophenyl phenyl ether	9.495	10.010	9.470	10.027	10.332	9.361	9.345	0.3948	1.241	
40	Dibenzofuran	10.026	10.520	9.938	10.417	10.796	9.962	9.843	0.3620	1.138	

*41	Diethyl phthalate	5.288	5.267	5.192	5.017	5.392	4.914	4.795	0.2189	**0.688**	
42	Dimethyl phthalate	9.708	10.158	9.403	10.106	10.178	9.241	9.435	0.3993	1.255	
43	2,4-Dinitrophenol	9.947	9.856	9.457	9.882	9.955	9.236	11.813	0.8368	2.630	
*44	2,4-Dinitrotoluene	4.508	4.373	4.504	4.361	4.590	3.963	4.458	0.2060	**0.648**	
45	2,6-Dinitrotoluene	8.350	8.985	8.298	8.717	9.511	8.238	8.358	0.4700	1.477	
*46	Fluorene	5.324	5.085	5.351	5.282	5.449	4.984	5.035	0.1789	**0.562**	
47	2-Fluorobiphenyl	53.248	56.313	53.934	54.543	56.001	52.331	52.003	1.6820	5.287	
48	Hexachlorocyclopentadiene	0.773	0.787	0.500	0.515	0.687	0.416	2.518	0.7341	2.307	
49	2-Nitroaniline	9.874	10.663	10.098	10.164	10.500	9.722	9.876	0.3462	1.088	
50	3-Nitroaniline	9.173	9.842	8.922	9.471	9.772	9.233	8.993	0.3629	1.141	
51	4-Nitroaniline	9.774	9.922	9.520	10.308	9.899	8.860	9.683	0.4475	1.406	
52	4-Nitrophenol	8.235	8.284	8.579	8.113	8.286	6.970	8.342	0.5245	1.648	
53	2,4,6-Tribromophenol	117.947	122.726	114.967	125.724	116.465	108.088	113.703	5.8373	18.347	
54	2,4,6-Trichlorophenol	9.609	9.689	9.178	9.805	10.119	10.047	9.129	0.3869	1.216	
55	2,4,5-Trichlorophenol	9.732	9.784	9.620	10.079	9.585	9.033	8.910	0.4183	1.315	
56	Phenanthrene-d10	40.000	40.000	40.000	40.000	40.000	40.000	40.000	0.0000	0.000	
57	4-Bromophenyl phenyl ether	10.156	10.525	9.580	10.362	10.522	9.843	9.654	0.4011	1.261	
58	Di-n-butyl phthalate	10.837	10.967	10.454	11.254	11.339	10.227	10.550	0.4157	1.307	
59	4,6-Dinitro-2-methylphenol	9.198	9.018	8.672	8.789	9.198	8.388	11.092	0.8871	2.788	
60	Fluoranthene	11.106	10.868	10.628	11.176	11.230	10.366	10.612	0.3306	1.039	
**61	Hexachlorobenzene	5.392	5.454	5.420	5.425	5.542	5.282	5.387	0.0785	0.247	Fail
62	N-Nitrosodiphenylamine	8.515	8.746	7.892	8.548	8.911	8.218	8.059	0.3703	1.164	
63	Pentachlorophenol	7.441	8.086	7.712	8.378	7.790	7.332	7.775	0.3584	1.127	
*64	Anthracene	5.605	5.344	5.506	5.209	5.580	5.103	5.289	0.1923	**0.604**	
65	Phenanthrene	10.310	10.537	10.127	10.318	10.984	10.164	9.908	0.3460	1.087	
66	Chrysene-d12	40.000	40.000	40.000	40.000	40.000	40.000	40.000	0.0000	0.000	
**67	Benzidine	1.368	1.343	1.486	1.237	1.547	1.316	1.469	0.1090	0.343	Fail
68	Benzo (a) anthracene	10.052	10.477	10.105	10.677	10.619	9.358	9.908	0.4652	1.462	
69	Bis (2-ethylhexyl) phthalate	10.076	10.391	9.900	10.468	10.558	9.036	9.647	0.5402	1.698	
70	Butylbenzylphthalate	9.619	10.052	9.389	10.129	10.127	9.040	9.669	0.4138	1.301	
71	Chrysene	9.942	10.250	9.979	10.438	10.447	9.480	9.839	0.3497	1.099	
72	3,3'-Dichlorobenzidine	10.385	10.822	10.287	11.020	10.887	10.079	10.620	0.3471	1.091	
73	Pyrene	10.285	10.683	10.017	10.640	10.816	9.412	9.885	0.5085	1.598	
74	Terphenyl-d14	56.095	58.828	56.184	59.207	58.046	52.645	55.120	2.3134	7.271	
75	Perylene-d12	40.000	40.000	40.000	40.000	40.000	40.000	40.000	0.0000	0.000	
76	Benzo (b) fluoranthene	10.600	10.845	10.642	11.874	11.362	10.459	10.932	0.4988	1.568	
77	Benzo (k) fluoranthene	6.717	6.909	6.682	6.953	7.135	5.656	6.243	0.5073	1.594	
78	Benzo (g,h,i) perylene	10.568	10.862	10.376	11.001	10.871	9.829	10.482	0.3995	1.256	
79	Benzo (a) pyrene	9.891	10.375	10.046	10.737	10.632	9.242	9.994	0.5084	1.598	
80	Dibenz (a,h) anthracene	10.739	11.060	10.548	11.141	11.152	9.946	10.233	0.4724	1.485	
81	Di-n-octylphthalate	13.245	13.737	13.318	13.854	13.824	12.723	13.389	0.4034	1.268	
82	Indeno (1,2,3-cd) pyrene	10.985	11.009	10.954	11.494	11.627	10.100	10.805	0.4981	1.566	
*83	Pyridine	3.737	3.358	3.327	2.852	3.550	3.194	3.173	0.2841	**0.893**	
*84	Biphenyl	5.416	4.953	5.218	5.328	5.347	5.048	5.229	0.1669	**0.525**	
*85	Acetophenone	4.817	4.282	4.593	4.571	4.498	4.416	4.245	0.1970	**0.619**	
**86	Atrazine	1.586	1.369	1.578	1.459	1.560	1.358	1.538	0.0978	0.307	Fail
**87	Caprolactam	4.709	4.322	4.477	4.547	4.620	4.643	4.322	0.1538	0.483	Fail
*88	Carbazole	2.328	2.160	2.383	2.144	2.428	1.854	1.913	0.2250	0.707	
89	Benzaldehyde	8.916	10.055	10.439	11.017	12.055	13.042	12.093	1.4127	4.440	
*90	1,2,4,5-Tetrachlorobenzene	4.831	4.500	4.954	4.925	5.023	4.677	4.734	0.1821	**0.572**	
*91	2,3,4,6-Tetrachlorophenol	4.701	4.229	4.333	4.442	4.483	4.124	4.408	0.1864	**0.586**	

SEMIVOLATILE ORGANICS

SAMPLE DATA

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc

Client Job Site: 690 St. Paul St.
Client Job Number: 209280
Field Location: CS-6
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5141A
Lab Sample Number: 17006

Date Sampled: 11/29/2011
Date Received: 11/29/2011
Date Analyzed: 11/30/2011

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	< 312	Dibenz (a,h) anthracene	< 312
Anthracene	< 312	Fluoranthene	J 246
Benzo (a) anthracene	< 312	Fluorene	< 312
Benzo (a) pyrene	< 312	Indeno (1,2,3-cd) pyrene	< 312
Benzo (b) fluoranthene	< 312	Naphthalene	< 312
Benzo (g,h,i) perylene	< 312	Phenanthrene	J 183
Benzo (k) fluoranthene	< 312	Pyrene	J 223
Chrysene	< 312	Acenaphthylene	< 312
Diethyl phthalate	< 312	1,2-Dichlorobenzene	< 312
Dimethyl phthalate	< 779	1,3-Dichlorobenzene	< 312
Butylbenzylphthalate	< 312	1,4-Dichlorobenzene	< 312
Di-n-butyl phthalate	< 312	1,2,4-Trichlorobenzene	< 312
Di-n-octylphthalate	< 312	Nitrobenzene	< 312
Bis (2-ethylhexyl) phthalate	761	2,4-Dinitrotoluene	< 312
2-Chloronaphthalene	< 312	2,6-Dinitrotoluene	< 312
Hexachlorobenzene	< 312	Bis (2-chloroethyl) ether	< 312
Hexachloroethane	< 312	Bis (2-chloroisopropyl) ether	< 312
Hexachlorocyclopentadiene	< 312	Bis (2-chloroethoxy) methane	< 312
Hexachlorobutadiene	< 312	4-Bromophenyl phenyl ether	< 312
N-Nitroso-di-n-propylamine	< 312	4-Chlorophenyl phenyl ether	< 312
N-Nitrosodiphenylamine	< 312	Benzidine	< 779
N-Nitrosodimethylamine	< 312	3,3'-Dichlorobenzidine	< 312
Isophorone	< 312	4-Chloroaniline	< 312
Benzyl alcohol	< 779	2-Nitroaniline	< 779
Dibenzofuran	< 312	3-Nitroaniline	< 779
2-Methylnapthalene	< 312	4-Nitroaniline	< 779

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	< 312	2-Methylphenol	< 312
2-Chlorophenol	< 312	3&4-Methylphenol	< 312
2,4-Dichlorophenol	< 312	2,4-Dimethylphenol	< 312
2,6-Dichlorophenol	< 312	2-Nitrophenol	< 312
2,4,5-Trichlorophenol	< 779	4-Nitrophenol	< 779
2,4,6-Trichlorophenol	< 312	2,4-Dinitrophenol	< 779
Pentachlorophenol	< 779	4,6-Dinitro-2-methylphenol	< 779
4-Chloro-3-methylphenol	< 312	Benzoic acid	< 779

ELAP Number 10958 Analytical Method: EPA 8270C Data File: S60100.D
Prep Method: EPA 3550C

Comments: ug / Kg = microgram per Kilogram

Signature:
Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc

Client Job Site: 690 St. Paul St.
Client Job Number: 209280
Field Location: CS-6
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5141A
Lab Sample Number: 17006

Date Sampled: 11/29/2011
Date Received: 11/29/2011
Date Analyzed: 11/30/2011

Tentatively Identified Compounds	CAS Number	Retention Time	Results in ug / Kg	Percent Fit
Unknown	N/A	11.89	298	N/A
Unknown	N/A	13.99	190	N/A
Cyclic octaatomic sulfur	010544-50-0	15.69	5,510	94

ELAP Number 10958

Analytical Method: EPA 8270C
Prep Method: EPA 3550C

Data File: S60100.D

Comments: ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

LaBella 5141A

Quantitation Report (Not Reviewed)

Data File : C:\msdchem\1\DATA\111129\S60100.D Vial: 22
Acq On : 30 Nov 2011 2:18 pm Operator: G.J.Brien
Sample : 17006 LaBella 5141A 34.9 Inst : 73SVOAV2
Misc : ABN Soil ASP 1 mL

Quant Time: Nov 30 15:08:57 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 12:39:56 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M

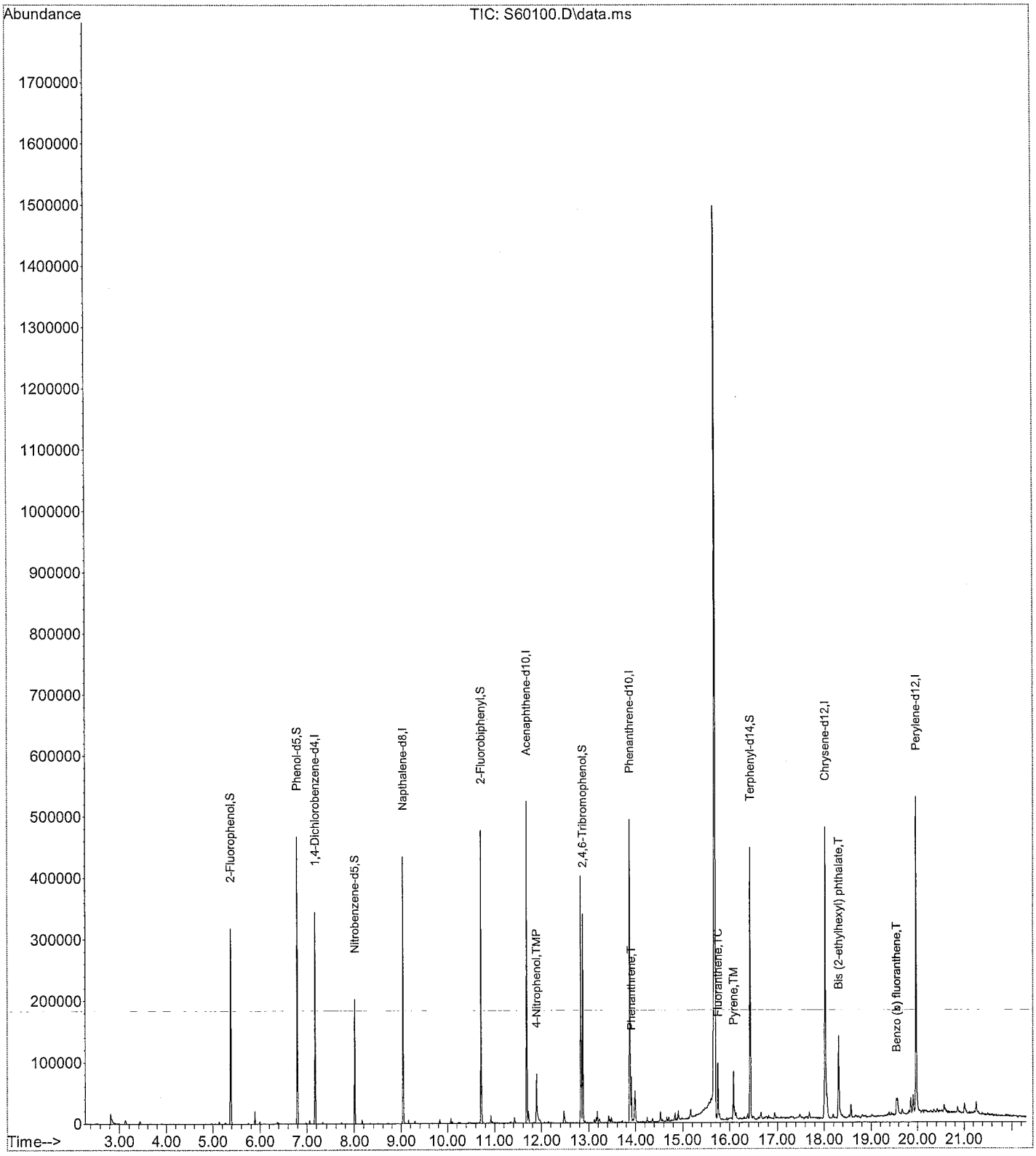
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.176	152	57529	40.00	ug/ml	0.00
17) Napthalene-d8	9.044	136	198999	40.00	ug/ml	0.00
35) Acenaphthene-d10	11.682	164	120473	40.00	ug/ml	0.00
56) Phenanthrene-d10	13.874	188	208538	40.00	ug/ml	0.00
66) Chrysene-d12	18.022	240	214255	40.00	ug/ml	0.00
75) Perylene-d12	19.973	264	199803	40.00	ug/ml	0.00
System Monitoring Compounds						
9) 2-Fluorophenol	5.384	112	100105	63.32	ug/ml	0.00
Spiked Amount 100.000	Range 51 - 86		Recovery = 63.32%			
16) Phenol-d5	6.794	99	139131	71.57	ug/ml	0.00
Spiked Amount 100.000	Range 55 - 90		Recovery = 71.57%			
31) Nitrobenzene-d5	8.016	82	64148	36.42	ug/ml	0.00
Spiked Amount 50.000	Range 62 - 94		Recovery = 72.84%			
47) 2-Fluorobiphenyl	10.713	172	153018	37.57	ug/ml	0.00
Spiked Amount 50.000	Range 62 - 99		Recovery = 75.14%			
53) 2,4,6-Tribromophenol	12.869	330	37865	66.62	ug/ml	0.00
Spiked Amount 100.000	Range 56 - 109		Recovery = 66.62%			
74) Terphenyl-d14	16.430	244	170767	39.89	ug/ml	0.00
Spiked Amount 50.000	Range 65 - 109		Recovery = 79.78%			
Target Compounds						Qvalue
52) 4-Nitrophenol	11.894	65	1683	~~8.48 ug/ml~~ #	NCMS	4
60) Fluoranthene	15.754	202	48183	7.90	ug/ml BRL	97
65) Phenanthrene	13.909	178	32781	5.88	ug/ml BRL	99
69) Bis (2-ethylhexyl) pht...	18.310	149	63710	24.42	ug/ml#	91
73) Pyrene	16.089	202	42390	7.15	ug/ml BRL	99
76) Benzo (b) fluoranthene	19.550	252	32993	<5.00 (S)	~~5.45 ug/ml~~	88
77) Benzo (k) fluoranthene	19.573 ~~19.550~~	252	32993	<5.00 (M)	~~5.19 ug/ml~~	90

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

Quantitation Report (Not Reviewed)

Data File : C:\msdchem\1\DATA\111129\S60100.D Vial: 22
Acq On : 30 Nov 2011 2:18 pm Operator: G.J.Brien
Sample : 17006 LaBella 5141A Inst : 73SVOAV2
Misc : ABN Soil ASP

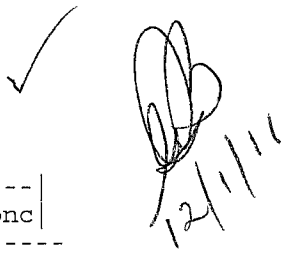
Quant Time: Nov 30 15:08:57 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 12:39:56 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M



Data Path : C:\msdchem\1\DATA\111129\
Data File : S60100.D
Acq On : 30 Nov 2011 2:18 pm
Operator : G.J.Brien
Sample : 17006 LaBella 5141A
Misc : ABN Soil ASP
ALS Vial : 22 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ABN112811.M
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: Rteint.p



TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
Benzene, 1-brom...	11.894	9.6	ug/ml	122999	3	11.682	514463	40.0
2-Norbornanone,...	13.985	6.1	ug/ml	88312	4	13.874	578631	40.0
Cyclic octaatom...	15.689	176.7	ug/ml	2556200	4	13.874	578631	40.0

Data Path : C:\msdchem\1\DATA\111129\
Data File : S60100.D
Acq On : 30 Nov 2011 2:18 pm
Operator : G.J.Brien
Sample : 17006 LaBella 5141A
Misc : ABN Soil ASP
ALS Vial : 22 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 3000 Area counts
Start Thrs: 0.1 Max Peaks: 200
Stop Thrs : 0.1 Peak Location: TOP

If leading or trailing edge < 10 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\ABN112811.M
Title :

Signal : TIC: S60100.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.816	90	91	105	rBV	16533	33072	1.29%	0.333%
2	3.127	140	144	148	rBB3	5987	9285	0.36%	0.093%
3	3.433	191	196	199	rBB3	4325	6936	0.27%	0.070%
4	5.137	483	486	490	rBB	3316	3869	0.15%	0.039%
5	5.384	523	528	532	rBV	318196	364861	14.27%	3.670%
6	5.889	610	614	617	rBB	20533	20489	0.80%	0.206%
7	6.794	764	768	772	rBV	467387	424110	16.59%	4.266%
8	7.058	810	813	816	rBB	5339	4168	0.16%	0.042%
9	7.176	829	833	837	rBB	344956	343101	13.42%	3.451%
10	8.016	972	976	980	rBV	202615	195542	7.65%	1.967%
11	8.169	999	1002	1005	rBB	6145	5477	0.21%	0.055%
12	9.044	1147	1151	1155	rBV	434944	433765	16.97%	4.363%
13	9.167	1169	1172	1174	rBB	5384	5599	0.22%	0.056%
14	9.297	1192	1194	1197	rBB	3678	3248	0.13%	0.033%
15	9.837	1282	1286	1288	rBB	5969	6153	0.24%	0.062%
16	10.072	1322	1326	1330	rBB	8156	8247	0.32%	0.083%
17	10.713	1431	1435	1443	rBB	477772	457078	17.88%	4.598%
18	10.918	1467	1470	1474	rBV	12179	12515	0.49%	0.126%
19	11.424	1553	1556	1562	rBB2	9039	11227	0.44%	0.113%
20	11.682	1596	1600	1604	rBV	525004	514463	20.13%	5.175%
21	11.717	1604	1606	1610	rBB2	15947	15735	0.62%	0.158%
22	11.894	1631	1636	1646	rBV	80013	122999	4.81%	1.237%
23	12.470	1730	1734	1744	rBB2	19530	31042	1.21%	0.312%
24	12.828	1790	1795	1799	rBV	402425	423718	16.58%	4.262%
25	12.869	1799	1802	1808	rVB	340443	336900	13.18%	3.389%
26	13.116	1841	1844	1847	rBV	5603	5817	0.23%	0.059%
27	13.157	1848	1851	1853	rBB	6304	4607	0.18%	0.046%
28	13.180	1853	1855	1859	rBB2	16462	16412	0.64%	0.165%
29	13.227	1859	1863	1869	rVB2	6639	10032	0.39%	0.101%
30	13.427	1894	1897	1900	rBB	9970	10239	0.40%	0.103%
31	13.480	1904	1906	1909	rBB2	6385	5428	0.21%	0.055%
32	13.874	1968	1973	1977	rBV2	494884	578631	22.64%	5.820%
33	13.909	1977	1979	1982	rBB	57013	40501	1.58%	0.407%
34	13.985	1987	1992	2000	rVB2	50221	88312	3.45%	0.888%
35	14.250	2031	2037	2042	rBV2	7872	10514	0.41%	0.106%

Data Path : C:\msdchem\1\DATA\111129\
Data File : S60100.D
Acq On : 30 Nov 2011 2:18 pm
Operator : G.J.Brien
Sample : 17006 LaBella 5141A
Misc : ABN Soil ASP
ALS Vial : 22 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 3000 Area counts
Start Thrs: 0.1 Max Peaks: 200
Stop Thrs : 0.1 Peak Location: TOP

If leading or trailing edge < 10 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\ABN112811.M
Title :

36	14.367	2054	2057	2060	rBB	4371	3511	0.14%	0.035%
37	14.532	2079	2085	2091	rBV2	15164	20329	0.80%	0.204%
38	14.573	2091	2092	2098	rBB4	2955	3191	0.12%	0.032%
39	14.667	2106	2108	2112	rVB	6823	6016	0.24%	0.061%
40	14.708	2112	2115	2119	rVB4	7228	9032	0.35%	0.091%
41	14.837	2133	2137	2140	rBV2	11778	13790	0.54%	0.139%
42	14.908	2145	2149	2155	rBV3	15265	21689	0.85%	0.218%
43	14.978	2158	2161	2169	rBB5	2587	4041	0.16%	0.041%
44	15.172	2187	2194	2200	rBB4	13629	22455	0.88%	0.226%
45	15.566	2257	2261	2266	rBB6	3901	6497	0.25%	0.065%
46	15.613	2266	2269	2271	rBB4	4156	5641	0.22%	0.057%
47	15.689	2271	2282	2286	rVB	1487468	2556201	100.00%	25.711%
48	15.754	2288	2293	2296	rBV	90032	104516	4.09%	1.051%
49	16.018	2334	2338	2346	rBB4	1980	5138	0.20%	0.052%
50	16.089	2346	2350	2357	rBV	78518	110066	4.31%	1.107%
51	16.212	2369	2371	2378	rBV4	2656	4803	0.19%	0.048%
52	16.377	2394	2399	2403	rBB4	7910	9105	0.36%	0.092%
53	16.430	2403	2408	2415	rBV	443203	523117	20.46%	5.262%
54	16.500	2415	2420	2423	rBB4	3590	5935	0.23%	0.060%
55	16.594	2431	2436	2438	rBB4	3203	3583	0.14%	0.036%
56	16.653	2442	2446	2450	rVB2	10012	14763	0.58%	0.148%
57	16.770	2460	2466	2469	rBB2	3686	7662	0.30%	0.077%
58	16.812	2469	2473	2479	rBB3	5263	8453	0.33%	0.085%
59	16.947	2492	2496	2502	rBB4	9749	15457	0.60%	0.155%
60	17.487	2584	2588	2599	rBB6	5474	9687	0.38%	0.097%
61	17.687	2617	2622	2627	rBV4	10424	14723	0.58%	0.148%
62	18.022	2669	2679	2684	rBV	475678	668070	26.14%	6.720%
63	18.192	2702	2708	2714	rBV6	6335	10540	0.41%	0.106%
64	18.310	2722	2728	2741	rBV	134445	221567	8.67%	2.229%
65	18.527	2762	2765	2768	rBB3	3306	4174	0.16%	0.042%
66	18.574	2768	2773	2777	rVB	20974	26813	1.05%	0.270%
67	18.662	2786	2788	2792	rBB4	3088	4758	0.19%	0.048%
68	18.727	2796	2799	2806	rBB6	2968	5068	0.20%	0.051%
69	18.815	2809	2814	2817	rBV5	3634	5381	0.21%	0.054%
70	18.986	2831	2843	2844	rBB7	1463	3534	0.14%	0.036%
71	19.232	2874	2885	2893	rBB6	1763	6004	0.23%	0.060%
72	19.391	2908	2912	2916	rVB6	5485	6694	0.26%	0.067%
73	19.550	2936	2939	2941	rBB2	12211	16720	0.65%	0.168%

Data Path : C:\msdchem\1\DATA\111129\
Data File : S60100.D
Acq On : 30 Nov 2011 2:18 pm
Operator : G.J.Brien
Sample : 17006 LaBella 5141A
Misc : ABN Soil ASP
ALS Vial : 22 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 3000 Area counts
Start Thrs: 0.1 Max Peaks: 200
Stop Thrs : 0.1 Peak Location: TOP

If leading or trailing edge < 10 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\ABN112811.M
Title :

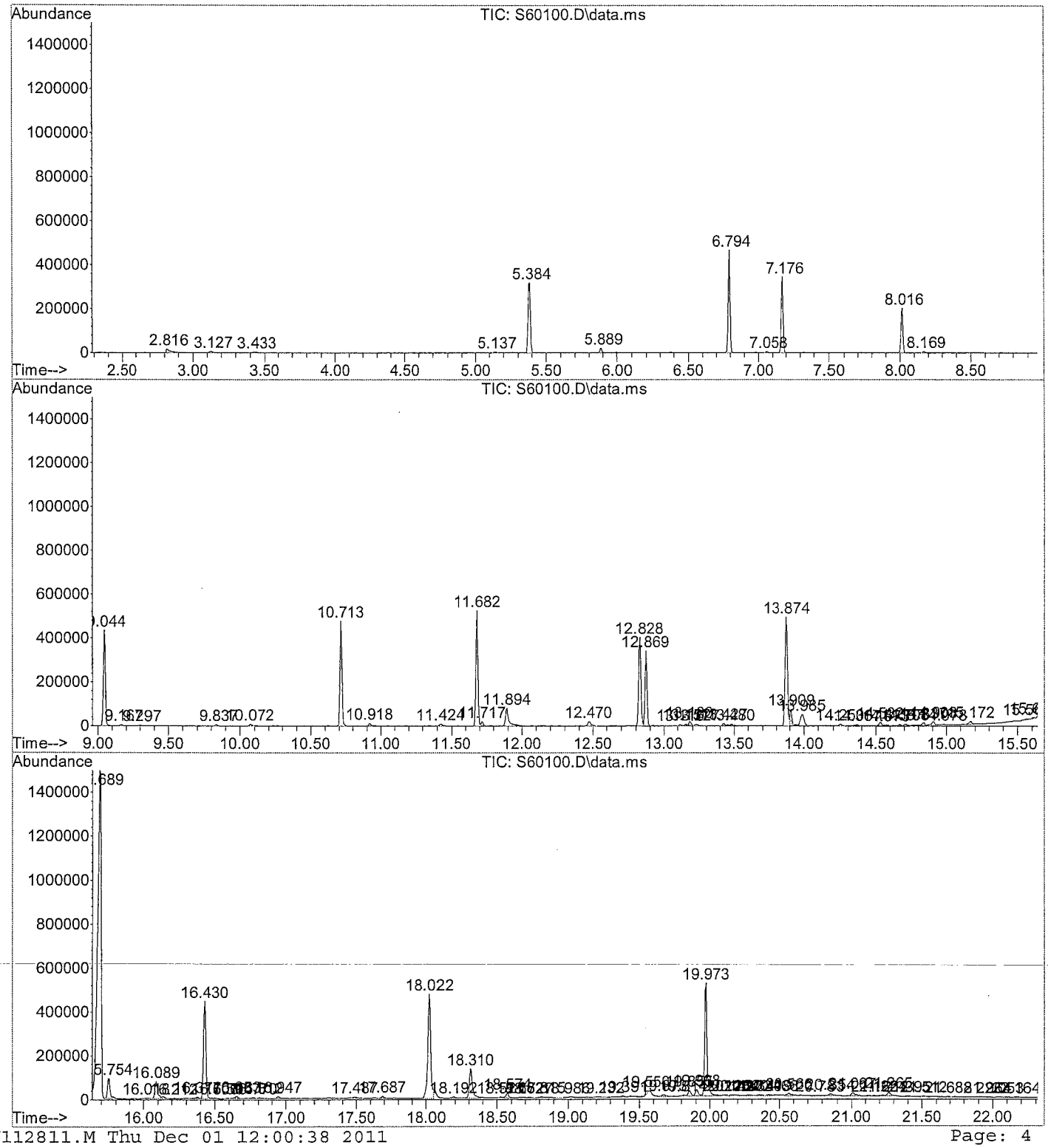
74	19.673	2956	2960	2972	rVB9	8301	17551	0.69%	0.177%
75	19.814	2982	2984	2988	rBB5	4191	4948	0.19%	0.050%
76	19.855	2988	2991	2995	rVV2	25670	32657	1.28%	0.328%
77	19.908	2995	3000	3006	rVV	29848	44803	1.75%	0.451%
78	19.973	3006	3011	3029	rVB	516341	627384	24.54%	6.311%
79	20.120	3032	3036	3039	rBB6	3665	3665	0.14%	0.037%
80	20.149	3040	3041	3046	rBB5	3999	5302	0.21%	0.053%
81	20.184	3046	3047	3052	rBB5	3051	3424	0.13%	0.034%
82	20.272	3060	3062	3073	rBB9	2997	4579	0.18%	0.046%
83	20.349	3073	3075	3084	rVB9	4113	6207	0.24%	0.062%
84	20.419	3084	3087	3092	rVB6	5053	6350	0.25%	0.064%
85	20.466	3092	3095	3103	rBB7	3110	6381	0.25%	0.064%
86	20.566	3108	3112	3119	rBV7	11864	20923	0.82%	0.210%
87	20.783	3144	3149	3152	rVB6	3005	4431	0.17%	0.045%
88	20.854	3158	3161	3166	rBV4	9103	11408	0.45%	0.115%
89	21.007	3184	3187	3194	rBV3	15746	27978	1.09%	0.281%
90	21.165	3210	3214	3218	rBB4	2965	4437	0.17%	0.045%
91	21.224	3222	3224	3226	rVV3	3576	3714	0.15%	0.037%
92	21.265	3226	3231	3237	rVV3	17461	25544	1.00%	0.257%
93	21.395	3252	3253	3259	rBB5	2753	3402	0.13%	0.034%
94	21.512	3269	3273	3275	rBB5	3812	4286	0.17%	0.043%
95	21.688	3300	3303	3308	rVB6	3018	3090	0.12%	0.031%
96	21.964	3348	3350	3358	rVV4	2053	3827	0.15%	0.038%
97	22.053	3361	3365	3378	rBB5	1734	8285	0.32%	0.083%
98	22.164	3381	3384	3390	rVB5	2600	4488	0.18%	0.045%

Sum of corrected areas: 9941880

Data Path : C:\msdchem\1\DATA\111129\
Data File : S60100.D
Acq On : 30 Nov 2011 2:18 pm
Operator : G.J.Brien
Sample : 17006 LaBella 5141A
Misc : ABN Soil ASP
ALS Vial : 22 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ABN112811.M
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: Rteint.p



Data Path : C:\msdchem\1\DATA\111129\
Data File : S60100.D
Acq On : 30 Nov 2011 2:18 pm
Operator : G.J.Brien
Sample : 17006 LaBella 5141A
Misc : ABN Soil ASP
ALS Vial : 22 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ABN112811.M
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: Rteint.p

****
Peak Number 1 Benzene, 1-bromo-2-chloro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.894	9.56 ug/ml	122999	Acenaphthene-d10	11.682

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-bromo-2-chloro-	190	C6H4BrCl	000694-80-4	9
2	Pyrazole, 3-(p-chlorophenyl)-5-m...	192	C10H9ClN2	017629-27-5	9
3	Benzene, 1-bromo-4-chloro-	190	C6H4BrCl	000106-39-8	9
4	1,2-Phenylene diisothiocyanate	192	C8H4N2S2	071105-17-4	9
5	Naphthalene, 1-chloro-4-methoxy-	192	C11H9ClO	010443-43-3	5

unknown

****
Peak Number 2 2-Norbornanone, 1-(epithioe... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.985	6.10 ug/ml	88312	Phenanthrene-d10	13.874

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Norbornanone, 1-(epithioethyl)...	228	C11H16O3S	001782-93-0	36
2	Cyclohexane-d12	96	C6D12	001735-17-7	9
3	Ethyl Chloride	64	C2H5Cl	000075-00-3	4
4	Ethyl Chloride	64	C2H5Cl	000075-00-3	4
5	Methanesulphonothioic acid 1,5-p...	292	C7H16O4S4	000056-00-8	4

unknown

****
Peak Number 3 Cyclic octaatomic sulfur Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.689	176.71 ug/ml	2556200	Phenanthrene-d10	13.874

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclic octaatomic sulfur	256	S8	010544-50-0	94
2	Cyclic octaatomic sulfur	256	S8	010544-50-0	91
3	Cyclic octaatomic sulfur	256	S8	010544-50-0	83
4	Sulfur dioxide	64	O2S	007446-09-5	7
5	Sulfur dioxide	64	O2S	007446-09-5	4

unknown Sulfur MEC 12/1

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc

Client Job Site: 690 St. Paul St.
Client Job Number: 209280
Field Location: CS-7
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5141A
Lab Sample Number: 17007
Date Sampled: 11/29/2011
Date Received: 11/29/2011
Date Analyzed: 11/30/2011

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	< 327	Dibenz (a,h) anthracene	< 327
Anthracene	< 327	Fluoranthene	< 327
Benzo (a) anthracene	< 327	Fluorene	< 327
Benzo (a) pyrene	< 327	Indeno (1,2,3-cd) pyrene	< 327
Benzo (b) fluoranthene	< 327	Naphthalene	< 327
Benzo (g,h,i) perylene	< 327	Phenanthrene	< 327
Benzo (k) fluoranthene	< 327	Pyrene	< 327
Chrysene	< 327	Acenaphthylene	< 327
Diethyl phthalate	< 327	1,2-Dichlorobenzene	< 327
Dimethyl phthalate	< 818	1,3-Dichlorobenzene	< 327
Butylbenzylphthalate	< 327	1,4-Dichlorobenzene	< 327
Di-n-butyl phthalate	< 327	1,2,4-Trichlorobenzene	< 327
Di-n-octylphthalate	< 327	Nitrobenzene	< 327
Bis (2-ethylhexyl) phthalate	< 327	2,4-Dinitrotoluene	< 327
2-Chloronaphthalene	< 327	2,6-Dinitrotoluene	< 327
Hexachlorobenzene	< 327	Bis (2-chloroethyl) ether	< 327
Hexachloroethane	< 327	Bis (2-chloroisopropyl) ether	< 327
Hexachlorocyclopentadiene	< 327	Bis (2-chloroethoxy) methane	< 327
Hexachlorobutadiene	< 327	4-Bromophenyl phenyl ether	< 327
N-Nitroso-di-n-propylamine	< 327	4-Chlorophenyl phenyl ether	< 327
N-Nitrosodiphenylamine	< 327	Benzidine	< 818
N-Nitrosodimethylamine	< 327	3,3'-Dichlorobenzidine	< 327
Isophorone	< 327	4-Chloroaniline	< 327
Benzyl alcohol	< 818	2-Nitroaniline	< 818
Dibenzofuran	< 327	3-Nitroaniline	< 818
2-Methylnapthalene	< 327	4-Nitroaniline	< 818

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	< 327	2-Methylphenol	< 327
2-Chlorophenol	< 327	3&4-Methylphenol	< 327
2,4-Dichlorophenol	< 327	2,4-Dimethylphenol	< 327
2,6-Dichlorophenol	< 327	2-Nitrophenol	< 327
2,4,5-Trichlorophenol	< 818	4-Nitrophenol	< 818
2,4,6-Trichlorophenol	< 327	2,4-Dinitrophenol	< 818
Pentachlorophenol	< 818	4,6-Dinitro-2-methylphenol	< 818
4-Chloro-3-methylphenol	< 327	Benzoic acid	< 818

ELAP Number 10958 Analytical Method: EPA 8270C Data File: S60101.D
Prep Method: EPA 3550C

Comments: ug / Kg = microgram per Kilogram
Surrogate outliers indicate probable matrix interference

Signature:
Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc

Client Job Site:	690 St. Paul St.	**Lab Project Number:**	11-5141A
		Lab Sample Number:	17007
Client Job Number:	209280		
Field Location:	CS-7	**Date Sampled:**	11/29/2011
Field ID Number:	N/A	**Date Received:**	11/29/2011
Sample Type:	Soil	**Date Analyzed:**	11/30/2011

Tentatively Identified Compounds	CAS Number	Retention Time	Results in ug / Kg	Percent Fit
Unknown	N/A	2.81	235	N/A
Cyclic octaatomic sulfur	010544-50-0	15.67	218	94

ELAP Number 10958

Analytical Method: EPA 8270C
Prep Method: EPA 3550C

Data File: S60101.D

Comments: ug / Kg = microgram per Kilogram

Surrogate outliers indicate probable matrix interference

Signature: _____

Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

Surr out -134-

Quantitation Report (Not Reviewed)

Data File : C:\msdchem\1\DATA\111129\S60101.D Vial: 23
Acq On : 30 Nov 2011 2:49 pm Operator: G.J.Brien
Sample : 17007 LaBella 5141A Inst : 73SVOAV2
Misc : ABN Soil ASP

34.9 1 ml

Quant Time: Nov 30 15:15:00 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 12:39:56 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M

✓ 11/30/11

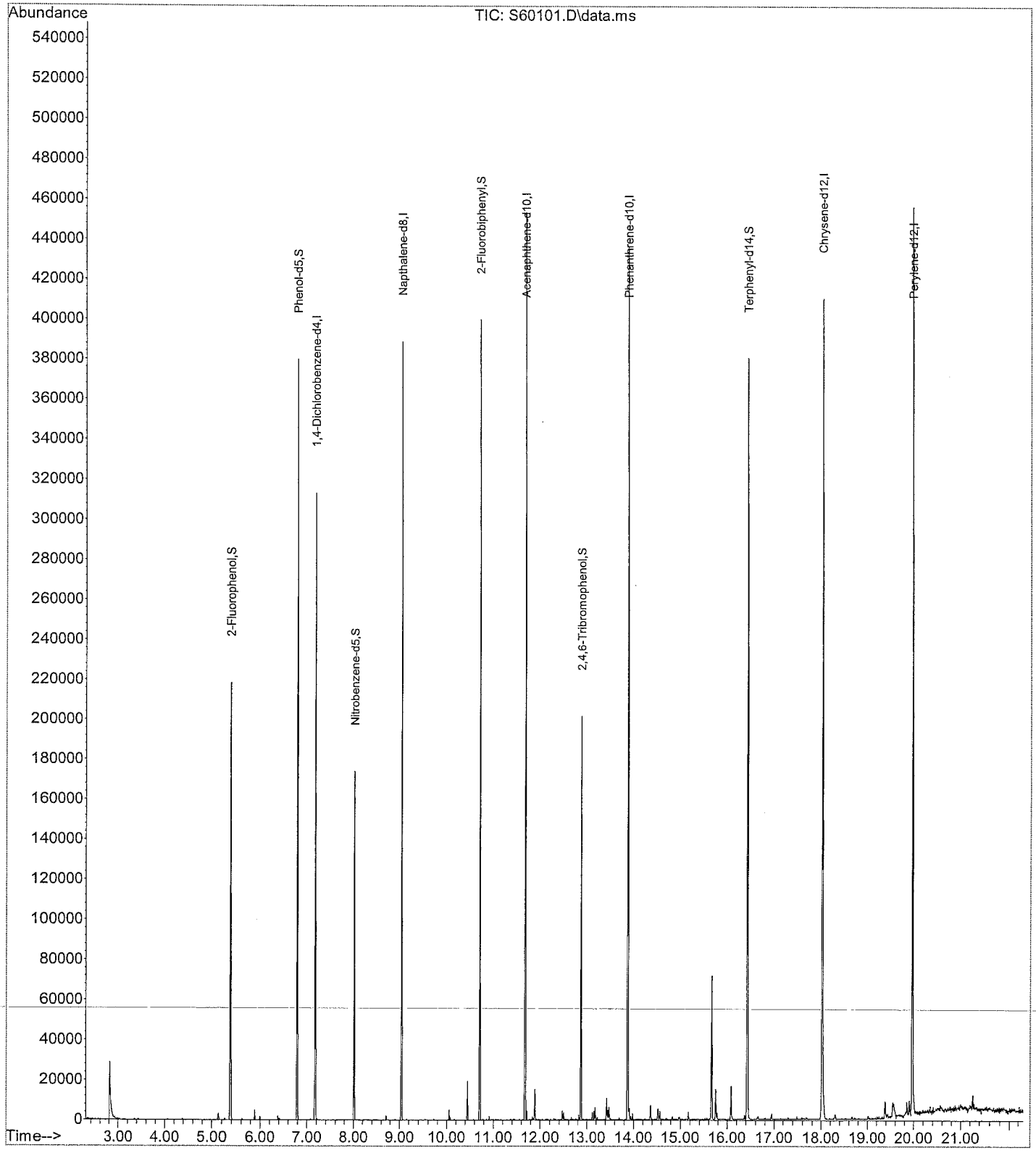
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.176	152	51140	40.00	ug/ml	0.00
17) Napthalene-d8	9.044	136	176114	40.00	ug/ml	0.00
35) Acenaphthene-d10	11.682	164	108246	40.00	ug/ml	0.00
56) Phenanthrene-d10	13.874	188	180935	40.00	ug/ml	0.00
66) Chrysene-d12	18.022	240	188839	40.00	ug/ml	0.00
75) Perylene-d12	19.967	264	172949	40.00	ug/ml	0.00
System Monitoring Compounds						
9) 2-Fluorophenol	5.384	112	70784	50.37	ug/ml	0.00
Spiked Amount 100.000	Range 51 - 86		Recovery = 50.37%#			↓
16) Phenol-d5	6.794	99	113706	65.79	ug/ml	0.00
Spiked Amount 100.000	Range 55 - 90		Recovery = 65.79%			
31) Nitrobenzene-d5	8.016	82	53211	34.13	ug/ml	0.00
Spiked Amount 50.000	Range 62 - 94		Recovery = 68.26%			
47) 2-Fluorobiphenyl	10.713	172	130210	35.58	ug/ml	0.00
Spiked Amount 50.000	Range 62 - 99		Recovery = 71.16%			
53) 2,4,6-Tribromophenol	12.869	330	24204	47.39	ug/ml	0.00
Spiked Amount 100.000	Range 56 - 109		Recovery = 47.39%#			↓
74) Terphenyl-d14	16.430	244	157030	41.62	ug/ml	0.00
Spiked Amount 50.000	Range 65 - 109		Recovery = 83.24%			
Target Compounds						Qvalue

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

Quantitation Report (Not Reviewed)

Data File : C:\msdchem\1\DATA\111129\S60101.D Vial: 23
Acq On : 30 Nov 2011 2:49 pm Operator: G.J.Brien
Sample : 17007 LaBella 5141A Inst : 73SVOAV2
Misc : ABN Soil ASP

Quant Time: Nov 30 15:15:00 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 12:39:56 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M



Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\111129\
Data File : S60101.D
Acq On : 30 Nov 2011 2:49 pm
Operator : G.J.Brien
Sample : 17007 LaBella 5141A
Misc : ABN Soil ASP
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ABN112811.M
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: Rteint.p

✓ 12/1/11

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
Propylene Glycol	2.810	7.2	ug/ml	54447	1	7.176	302705	40.0
Cyclic octaatom...	15.666	6.7	ug/ml	80663	4	13.874	484638	40.0

Data Path : C:\msdchem\1\DATA\111129\
Data File : S60101.D
Acq On : 30 Nov 2011 2:49 pm
Operator : G.J.Brien
Sample : 17007 LaBella 5141A
Misc : ABN Soil ASP
ALS Vial : 23 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 3000 Area counts
Start Thrs: 0.1 Max Peaks: 200
Stop Thrs : 0.1 Peak Location: TOP

If leading or trailing edge < 10 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\ABN112811.M
Title :

Signal : TIC: S60101.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.810	89	90	108	rBV3	28732	54447	10.63%	1.145%
2	5.143	483	487	490	rBB	3201	3996	0.78%	0.084%
3	5.384	523	528	533	rBB	218521	254818	49.75%	5.360%
4	5.889	611	614	616	rBB	4882	4144	0.81%	0.087%
5	6.794	764	768	772	rBV	379912	348010	67.95%	7.320%
6	7.176	829	833	837	rBB	313237	302705	59.10%	6.367%
7	8.016	972	976	980	rBB	174074	162615	31.75%	3.420%
8	9.044	1147	1151	1155	rBB	388732	377089	73.62%	7.932%
9	10.055	1320	1323	1325	rBB	5017	3974	0.78%	0.084%
10	10.448	1387	1390	1393	rBB	19323	17046	3.33%	0.359%
11	10.713	1431	1435	1439	rBB	399826	374353	73.09%	7.874%
12	11.682	1596	1600	1604	rBV	453303	447300	87.33%	9.408%
13	11.718	1604	1606	1608	rVB	4616	4030	0.79%	0.085%
14	11.888	1632	1635	1639	rBB	15421	15204	2.97%	0.320%
15	12.470	1730	1734	1737	rBB	4289	3510	0.69%	0.074%
16	12.869	1798	1802	1807	rBB	201990	197966	38.65%	4.164%
17	13.122	1841	1845	1847	rBB	3694	3219	0.63%	0.068%
18	13.157	1847	1851	1853	rBV	4664	4696	0.92%	0.099%
19	13.181	1853	1855	1859	rVB	5995	5517	1.08%	0.116%
20	13.427	1893	1897	1900	rBB	9932	8906	1.74%	0.187%
21	13.480	1903	1906	1909	rBB	5516	4571	0.89%	0.096%
22	13.874	1968	1973	1977	rBV2	436119	484638	94.62%	10.194%
23	13.980	1987	1991	1994	rBB2	3244	3174	0.62%	0.067%
24	14.367	2053	2057	2060	rBV	7248	7915	1.55%	0.166%
25	14.532	2081	2085	2089	rBV2	5295	6466	1.26%	0.136%
26	14.573	2089	2092	2095	rBB	4296	3861	0.75%	0.081%
27	15.167	2191	2193	2196	rBV	3556	3336	0.65%	0.070%
28	15.666	2272	2278	2282	rBV	71673	80663	15.75%	1.697%
29	15.748	2289	2292	2296	rBV	15082	17416	3.40%	0.366%
30	16.089	2346	2350	2357	rBV	16681	19166	3.74%	0.403%
31	16.430	2403	2408	2422	rBV	380152	457095	89.24%	9.614%
32	18.022	2671	2679	2692	rBV	409974	512192	100.00%	10.773%
33	18.310	2721	2728	2732	rBV3	2446	4374	0.85%	0.092%
34	19.385	2906	2911	2916	rBB2	8088	10481	2.05%	0.220%
35	19.550	2936	2939	2940	rBB	3086	3420	0.67%	0.072%

Data Path : C:\msdchem\1\DATA\111129\
Data File : S60101.D
Acq On : 30 Nov 2011 2:49 pm
Operator : G.J.Brien
Sample : 17007 LaBella 5141A
Misc : ABN Soil ASP
ALS Vial : 23 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 3000 Area counts
Start Thrs: 0.1 Max Peaks: 200
Stop Thrs : 0.1 Peak Location: TOP

If leading or trailing edge < 10 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\ABN112811.M
Title :

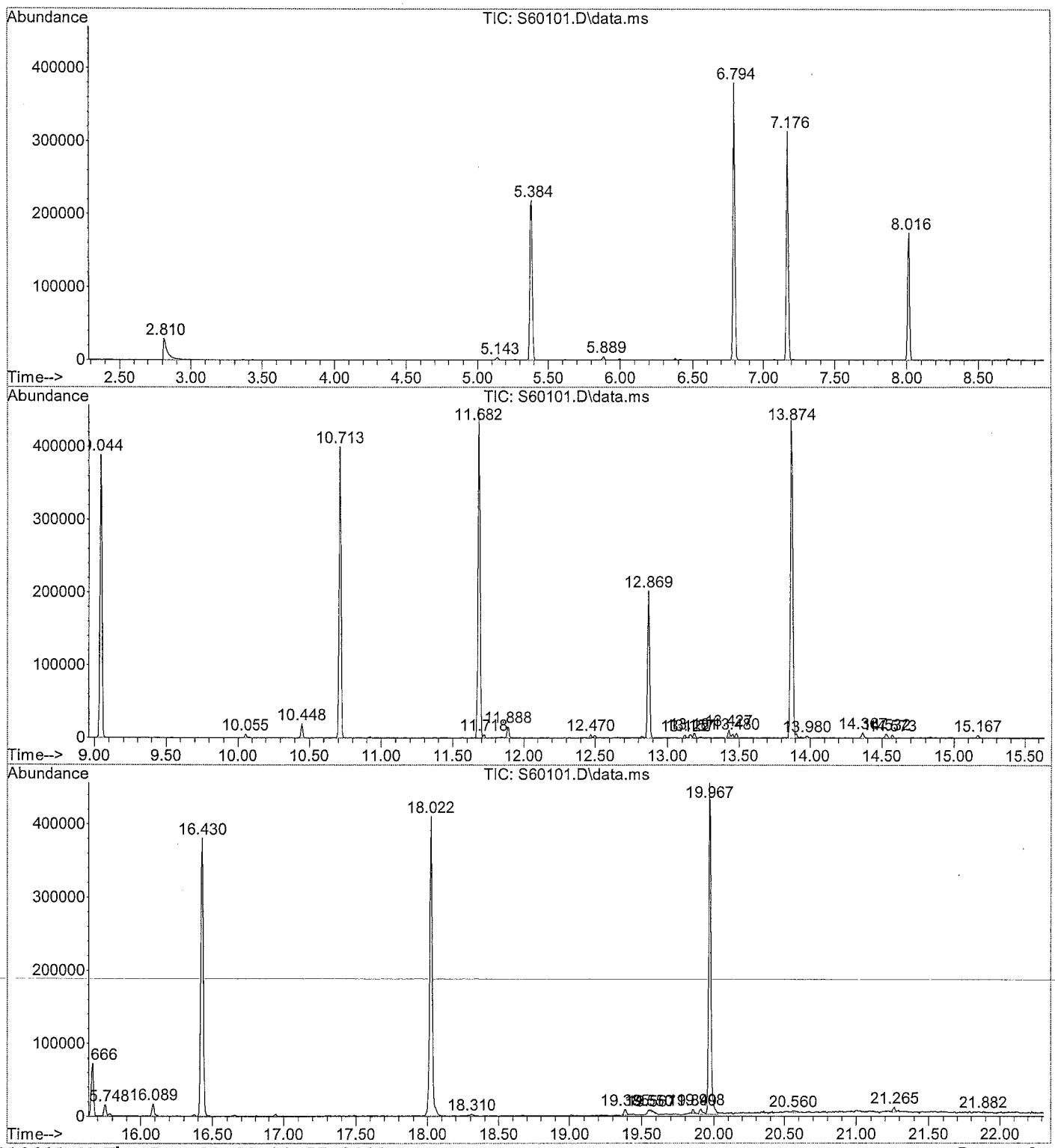
36	19.567	2940	2942	2951	rBB3	2338	3819	0.75%	0.080%
37	19.849	2988	2990	2995	rBB	5584	5557	1.08%	0.117%
38	19.908	2997	3000	3006	rVB3	7245	10788	2.11%	0.227%
39	19.967	3006	3010	3022	rBV	453783	506380	98.87%	10.651%
40	20.560	3110	3111	3120	rVB4	2561	4538	0.89%	0.095%
41	21.265	3227	3231	3233	rBV4	7075	7196	1.40%	0.151%
42	21.882	3334	3336	3344	rBB5	1843	3648	0.71%	0.077%

Sum of corrected areas: 4754239

Data Path : C:\msdchem\1\DATA\111129\
Data File : S60101.D
Acq On : 30 Nov 2011 2:49 pm
Operator : G.J.Brien
Sample : 17007 LaBella 5141A
Misc : ABN Soil ASP
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ABN112811.M
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: Rteint.p



Data Path : C:\msdchem\1\DATA\111129\
Data File : S60101.D
Acq On : 30 Nov 2011 2:49 pm
Operator : G.J.Brien
Sample : 17007 LaBella 5141A
Misc : ABN Soil ASP
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ABN112811.M
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: Rteint.p

****
Peak Number 1 Propylene Glycol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.810	7.19 ug/ml	54447	1,4-Dichlorobenzene-d4	7.176

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propylene Glycol	76	C3H8O2	000057-55-6	74
2	R-(-)-1,2-propanediol	76	C3H8O2	004254-14-2	74
3	(S)-(+)-1,2-Propanediol	76	C3H8O2	004254-15-3	64
4	2-Butanol, (R)-	74	C4H10O	014898-79-4	9
5	2-Butanol	74	C4H10O	000078-92-2	9

unknown

****
Peak Number 2 Cyclic octaatomic sulfur Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.666	6.66 ug/ml	80663	Phenanthrene-d10	13.874

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclic octaatomic sulfur	256	S8	010544-50-0	94
2	Cyclic octaatomic sulfur	256	S8	010544-50-0	90
3	Cyclic octaatomic sulfur	256	S8	010544-50-0	78
4	2-Norbornanone, 1-(epithioethyl)...	228	C11H16O3S	001782-93-0	33
5	Methanesulphonothioic acid 1,5-p...	292	C7H16O4S4	000056-00-8	9

unknown Sulfur 12/1

SEMIVOLATILE ORGANICS

STANDARDS DATA

Response Factor Report 73SVOAV2

Method Path : C:\msdchem\1\METHODS\
Method File : ABN112811.M
Title :
Last Update : Mon Nov 28 12:31:11 2011
Response Via : Initial Calibration

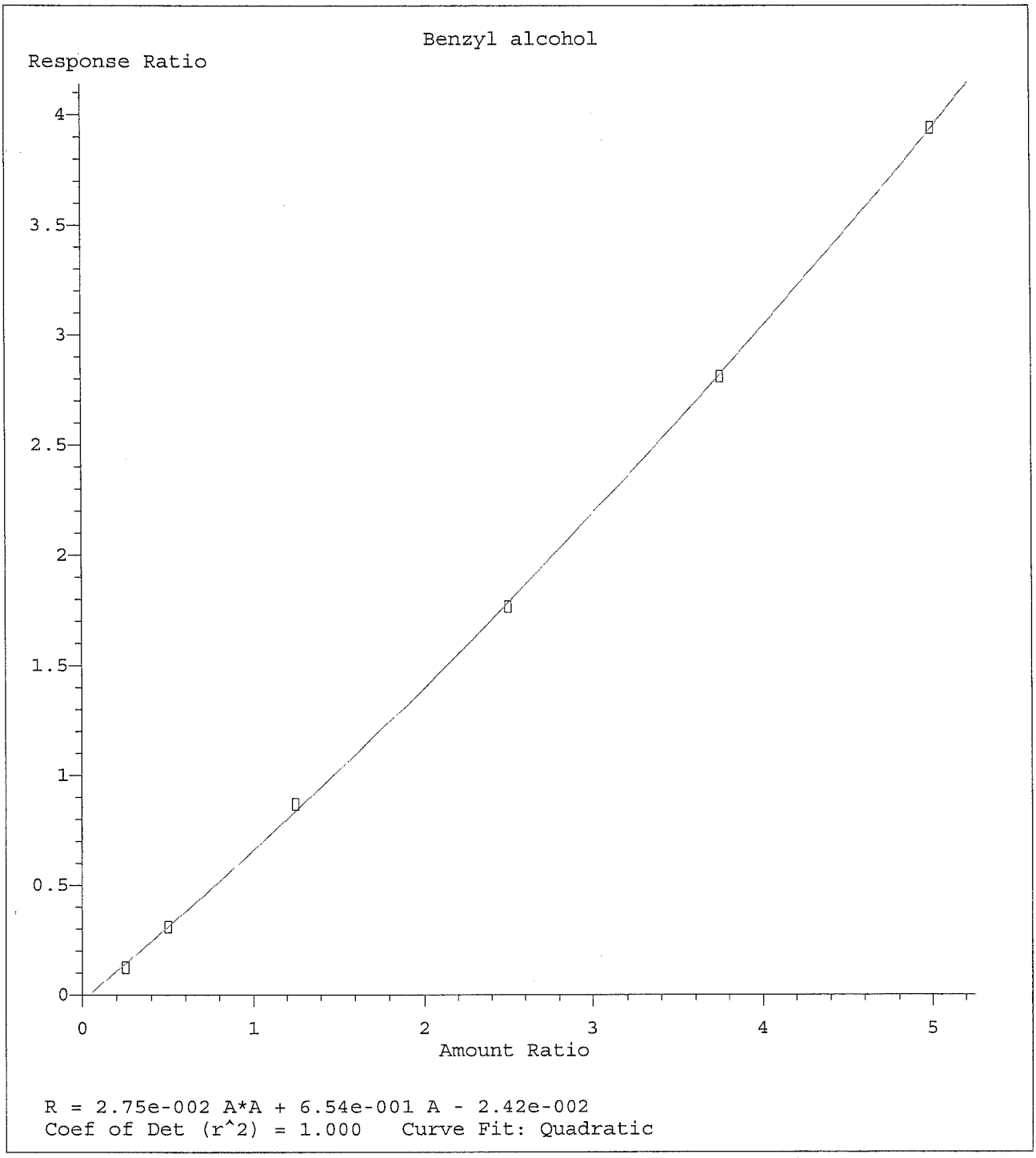
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		Compound	1	2	3	4	5	6	Avg	%RSD	
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------						
2)	T	Benzyl alcohol	0.500	0.620	0.696	0.707	0.749	0.788	0.677	15.26	Quadratic*
3)	T	Bis (2-chloroe...	0.935	0.937	0.971	0.975	1.095	1.127	1.007	8.25	
4)	T	Bis (2-chloroi...	1.291	1.372	1.386	1.382	1.449	1.537	1.403	5.91	
5)	TM	2-Chlorophenol	1.016	1.115	1.176	1.162	1.200	1.247	1.153	6.92	
6)	T	1,3-Dichlorobe...	1.366	1.397	1.405	1.406	1.435	1.494	1.417	3.08	
7)	TMC	1,4-Dichlorobe...	1.332	1.382	1.412	1.406	1.448	1.502	1.414	4.11	
8)	T	1,2-Dichlorobe...	1.293	1.323	1.338	1.331	1.364	1.429	1.347	3.45	
9)	S	2-Fluorophenol	0.977	1.057	1.097	1.103	1.155	1.206	1.099	7.20	
10)	T	Hexachloroethane	0.473	0.513	0.515	0.534	0.547	0.579	0.527	6.82	
11)	T	2-Methylphenol	0.867	0.940	1.005	1.013	1.064	1.140	1.005	9.44	
12)	T	3&4-Methylphenol	0.938	1.023	1.062	1.105	1.148	1.217	1.082	9.02	
13)	T	N-Nitrosodimet...	0.508	0.566	0.606	0.617	0.644	0.671	0.602	9.67	
14)	TMP	N-Nitroso-di-n...	0.629	0.718	0.731	0.745	0.787	0.840	0.742	9.54	
15)	TMC	Phenol	1.226	1.315	1.332	1.419	1.474	1.552	1.386	8.54	
16)	S	Phenol-d5	1.220	1.311	1.328	1.364	1.409	1.479	1.352	6.54	
17)	I	Napthalene-d8	----------	ISTD	----------						
18)		Aniline	0.440	0.465	0.467	0.440	0.418	0.398	0.438	6.03	
19)	T	Benzoic acid	0.055	0.111	0.172	0.202	0.229	0.249	0.170	43.59	Quadratic*
20)	T	Bis (2-chloroe...	0.338	0.348	0.364	0.371	0.377	0.396	0.366	5.67	
21)	T	4-Chloroaniline	0.384	0.416	0.431	0.429	0.432	0.441	0.422	4.81	
22)	TMC	4-Chloro-3-met...	0.223	0.253	0.282	0.292	0.297	0.311	0.276	11.81	
23)	TMC	2,4-Dichloroph...	0.274	0.298	0.316	0.319	0.325	0.339	0.312	7.31	
24)	TM	2,6-Dichloroph...	0.281	0.297	0.307	0.322	0.332	0.343	0.314	7.38	
25)	TM	2,4-Dimethylph...	0.270	0.301	0.329	0.332	0.331	0.350	0.319	8.95	
26)	TC	Hexachlorobuta...	0.213	0.217	0.224	0.227	0.228	0.237	0.224	3.85	
27)	T	Isophorone	0.493	0.540	0.577	0.595	0.591	0.617	0.569	7.90	
28)	T	2-Methylnaptha...	0.681	0.700	0.719	0.721	0.730	0.756	0.718	3.56	
29)	T	Naphthalene	1.013	1.009	1.026	1.032	1.032	1.069	1.030	2.06	
30)	T	Nitrobenzene	0.333	0.340	0.356	0.362	0.365	0.377	0.355	4.65	
31)	S	Nitrobenzene-d5	0.305	0.334	0.360	0.367	0.371	0.388	0.354	8.39	
32)	TMC	2-Nitrophenol	0.145	0.163	0.191	0.199	0.206	0.216	0.187	14.56	
33)		Azobenzene	0.652	0.688	0.716	0.727	0.739	0.844	0.728	8.93	
34)	TM	1,2,4-Trichlor...	0.368	0.370	0.373	0.381	0.381	0.400	0.379	3.09	
35)	I	Acenaphthene-d10	----------	ISTD	----------						
36)		2-Chloronaphth...	1.031	1.066	1.077	1.084	1.059	1.096	1.069	2.13	
37)	TMC	Acenaphthene	1.037	1.092	1.115	1.118	1.134	1.149	1.107	3.56	
38)	T	Acenaphthylene	1.550	1.668	1.714	1.711	1.708	1.745	1.683	4.13	
39)	T	4-Chlorophenyl...	0.614	0.637	0.625	0.636	0.639	0.656	0.635	2.21	
40)	T	Dibenzofuran	1.535	1.560	1.547	1.566	1.578	1.622	1.568	1.92	
41)	T	Diethyl phthalate	1.043	1.156	1.195	1.235	1.251	1.278	1.193	7.11	
42)	T	Dimethyl phtha...	1.167	1.224	1.246	1.251	1.250	1.284	1.237	3.18	
43)	TMP	2,4-Dinitrophenol	0.055	0.104	0.153	0.182	0.195	0.207	0.150	39.53	Quadratic*
44)	TM	2,4-Dinitrotol...	0.305	0.347	0.362	0.382	0.383	0.390	0.361	8.80	
45)	T	2,6-Dinitrotol...	0.246	0.271	0.279	0.287	0.289	0.300	0.279	6.68	
46)	T	Fluorene	1.220	1.279	1.309	1.342	1.350	1.373	1.312	4.26	
47)	S	2-Fluorobiphenyl	1.302	1.366	1.362	1.354	1.356	1.374	1.352	1.91	
48)	TP	Hexachlorocycl...	0.287	0.343	0.384	0.397	0.402	0.402	0.369	12.48	
49)	T	2-Nitroaniline	0.255	0.304	0.333	0.350	0.353	0.369	0.327	12.75	
50)	T	3-Nitroaniline	0.239	0.268	0.290	0.303	0.305	0.312	0.286	9.78	
51)	T	4-Nitroaniline	0.212	0.262	0.276	0.287	0.294	0.297	0.271	11.66	
52)	TMP	4-Nitrophenol	0.146	0.185	0.209	0.227	0.233	0.244	0.207	17.50	Linear*
53)	S	2,4,6-Tribromo...	0.153	0.177	0.188	0.194	0.206	0.214	0.189	11.56	

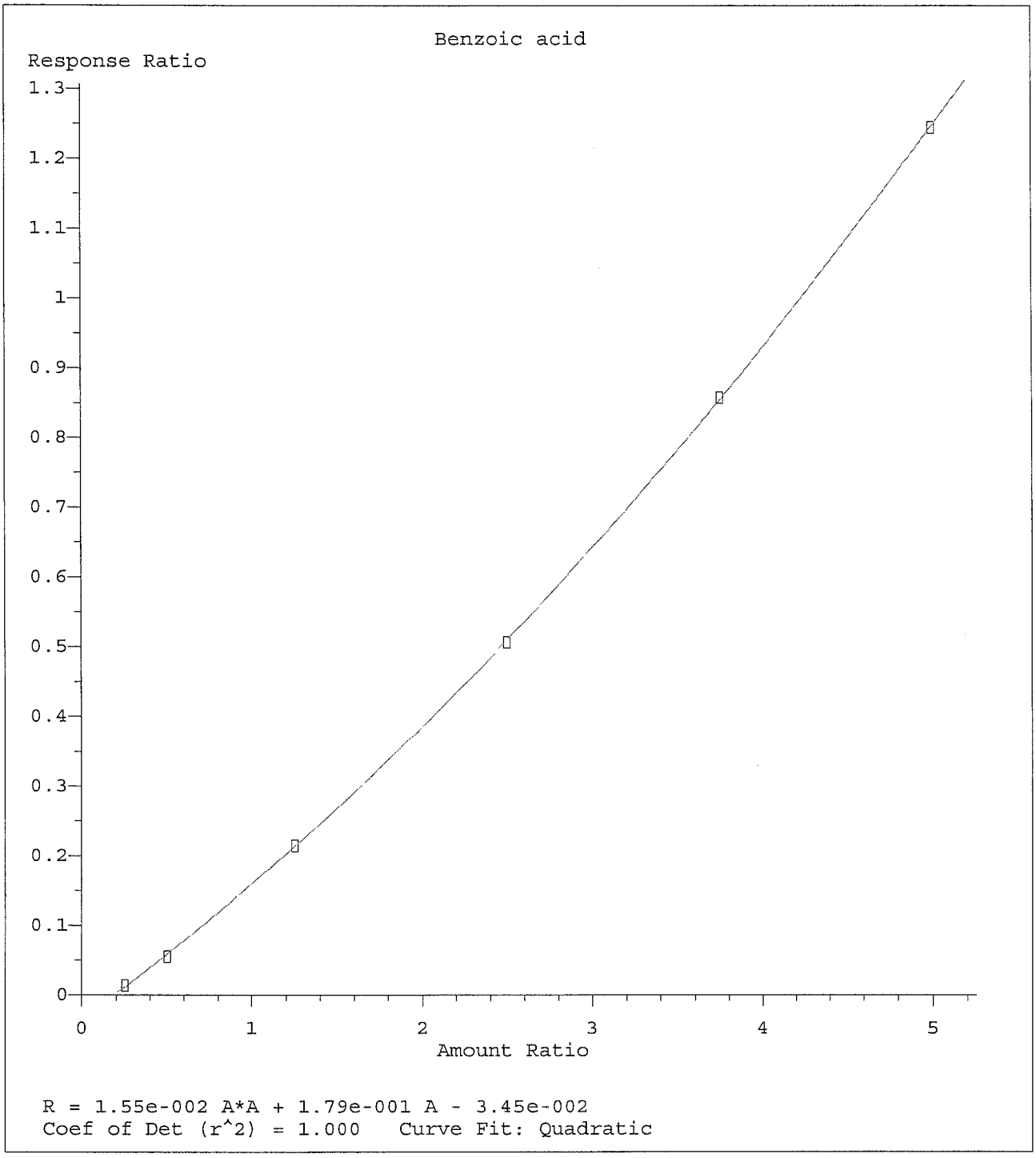
Method Path : C:\msdchem\1\METHODS\
Method File : ABN112811.M

54)	TMC	2,4,6-Trichlor...	0.289	0.333	0.340	0.347	0.358	0.370	0.340	8.24	
55)	T	2,4,5-Trichlor...	0.332	0.369	0.378	0.394	0.403	0.413	0.381	7.62	
56)	I	Phenanthrene-d10	----------ISTD----------								
57)	T	4-Bromophenyl ...	0.225	0.232	0.238	0.243	0.252	0.257	0.241	4.93	
58)	T	Di-n-butyl pht...	0.758	0.938	1.091	1.179	1.196	1.220	1.064	17.11	LINEAR *
59)	TM	4,6-Dinitro-2-...	0.064	0.099	0.123	0.145	0.150	0.158	0.123	29.19	Quadratic *
60)	TC	Fluoranthene	1.027	1.126	1.175	1.229	1.223	1.237	1.170	6.96	
61)	T	Hexachlorobenzene	0.233	0.250	0.258	0.270	0.272	0.282	0.261	6.71	
62)	TC	N-Nitrosodiphe...	0.577	0.612	0.622	0.651	0.647	0.665	0.629	5.12	
63)	TMC	Pentachlorophenol	0.094	0.124	0.137	0.158	0.168	0.181	0.144	22.30	Quadratic *
64)	T	Anthracene	0.987	1.050	1.078	1.116	1.103	1.130	1.077	4.90	
65)	T	Phenanthrene	1.025	1.047	1.070	1.080	1.085	1.109	1.069	2.79	
66)	I	Chrysene-d12	----------ISTD----------								
67)	T	Benzidine	0.303	0.432	0.423	0.540	0.301	0.252	0.375	28.84	- Quadratic *
68)	T	Benzo (a) anth...	0.827	0.960	1.024	1.061	1.041	1.056	0.995	9.03	
69)	T	Bis (2-ethylhe...	0.322	0.445	0.566	0.613	0.626	0.642	0.536	23.60	- LINEAR *
70)	T	Butylbenzylpht...	0.264	0.350	0.418	0.450	0.453	0.464	0.400	19.65	- LINEAR
71)	T	Chrysene	0.983	1.007	1.020	1.012	0.987	1.005	1.002	1.44	
72)	T	3,3'-Dichlorob...	0.288	0.346	0.381	0.388	0.373	0.368	0.357	10.34	
73)	TM	Pyrene	1.036	1.139	1.148	1.126	1.094	1.100	1.107	3.71	
74)	S	Terphenyl-d14	0.727	0.793	0.815	0.828	0.807	0.826	0.799	4.72	
75)	I	Perylene-d12	----------ISTD----------								
76)	T	Benzo (b) fluo...	0.955	1.084	1.221	1.248	1.412	1.346	1.211	13.91	
77)	T	Benzo (k) fluo...	1.164	1.281	1.282	1.350	1.200	1.354	1.272	6.08	
78)	T	Benzo (g,h,i) ...	0.858	0.968	1.037	1.105	1.133	1.190	1.048	11.52	
79)	TC	Benzo (a) pyrene	0.836	0.985	1.110	1.200	1.213	1.252	1.099	14.60	
80)	T	Dibenz (a,h) a...	0.847	0.952	1.037	1.109	1.160	1.225	1.055	13.20	
81)	TC	Di-n-octylphth...	0.467	0.680	1.008	1.169	1.212	1.272	0.968	33.57#	- LINEAR *
82)	T	Indeno (1,2,3-...	0.316	0.364	0.394	0.442	0.465	0.497	0.413	16.28	- Quadratic
83)	T	Pyridine	0.236	0.273	0.290	0.306	0.294	0.304	0.284	9.27	
84)	T	Biphenyl	0.803	0.834	0.835	0.861	0.866	0.892	0.849	3.65	
85)	T	Acetophenone	0.380	0.411	0.427	0.439	0.440	0.456	0.425	6.37	
86)	T	Atrazine	0.176	0.168					0.172	3.60	
87)	T	Caprolactam	0.080	0.104	0.117	0.127	0.129	0.133	0.115	17.38	- Quadratic *
88)	T	Carbazole	1.973	2.076	2.113	2.105	2.099	2.144	2.085	2.83	
89)	T	Benzaldehyde	0.194	0.227	0.201	0.160	0.118	0.095	0.166	30.81	- Quadratic *
90)	T	1,2,4,5-Tetrac...	0.351	0.363	0.368	0.373	0.379	0.385	0.370	3.25	
91)	T	2,3,4,6-Tetrac...	0.177	0.196	0.193	0.203	0.212	0.217	0.200	7.21	

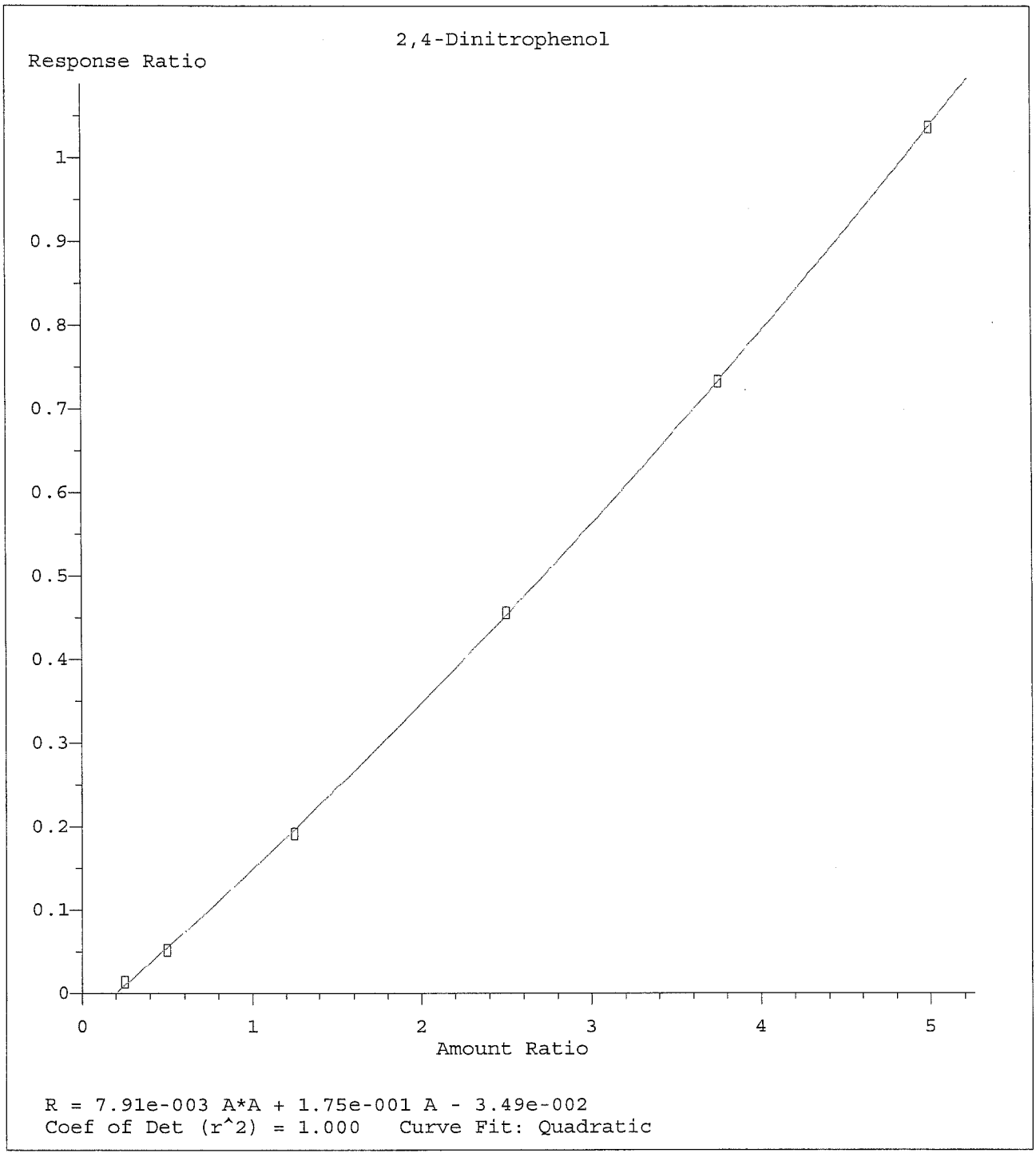
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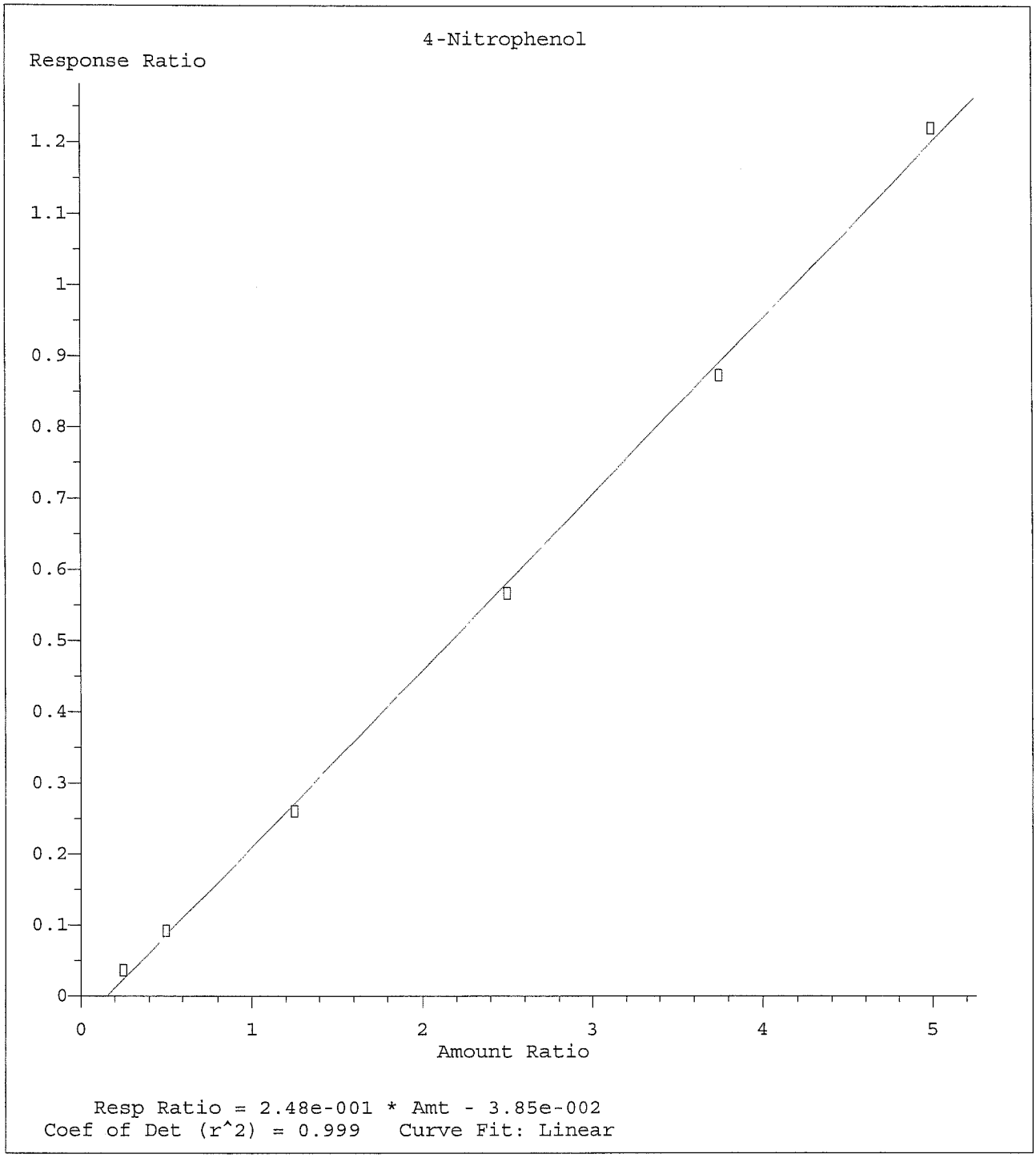
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Calibration Table Last Updated: Mon Nov 28 12:31:11 2011



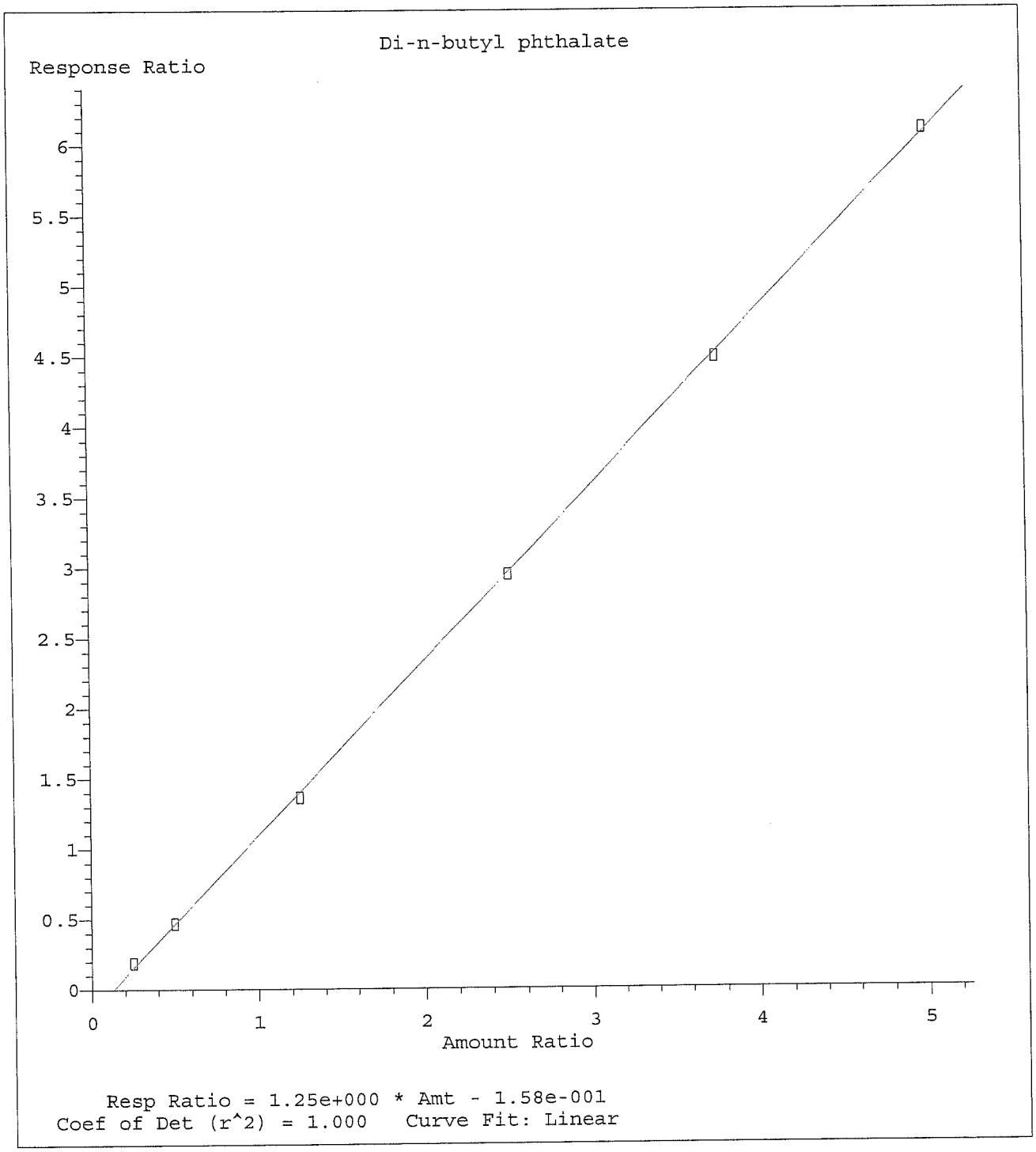
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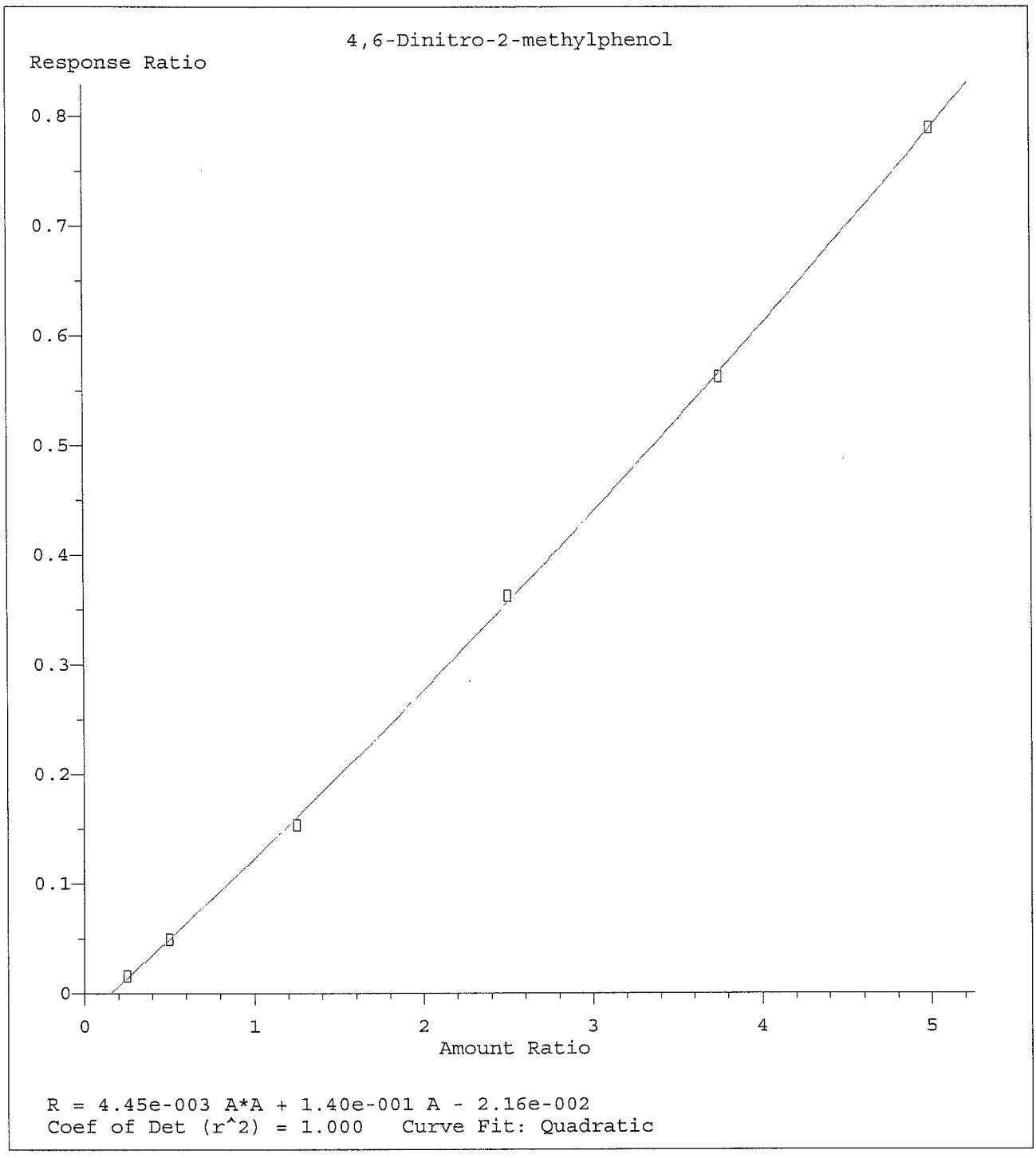
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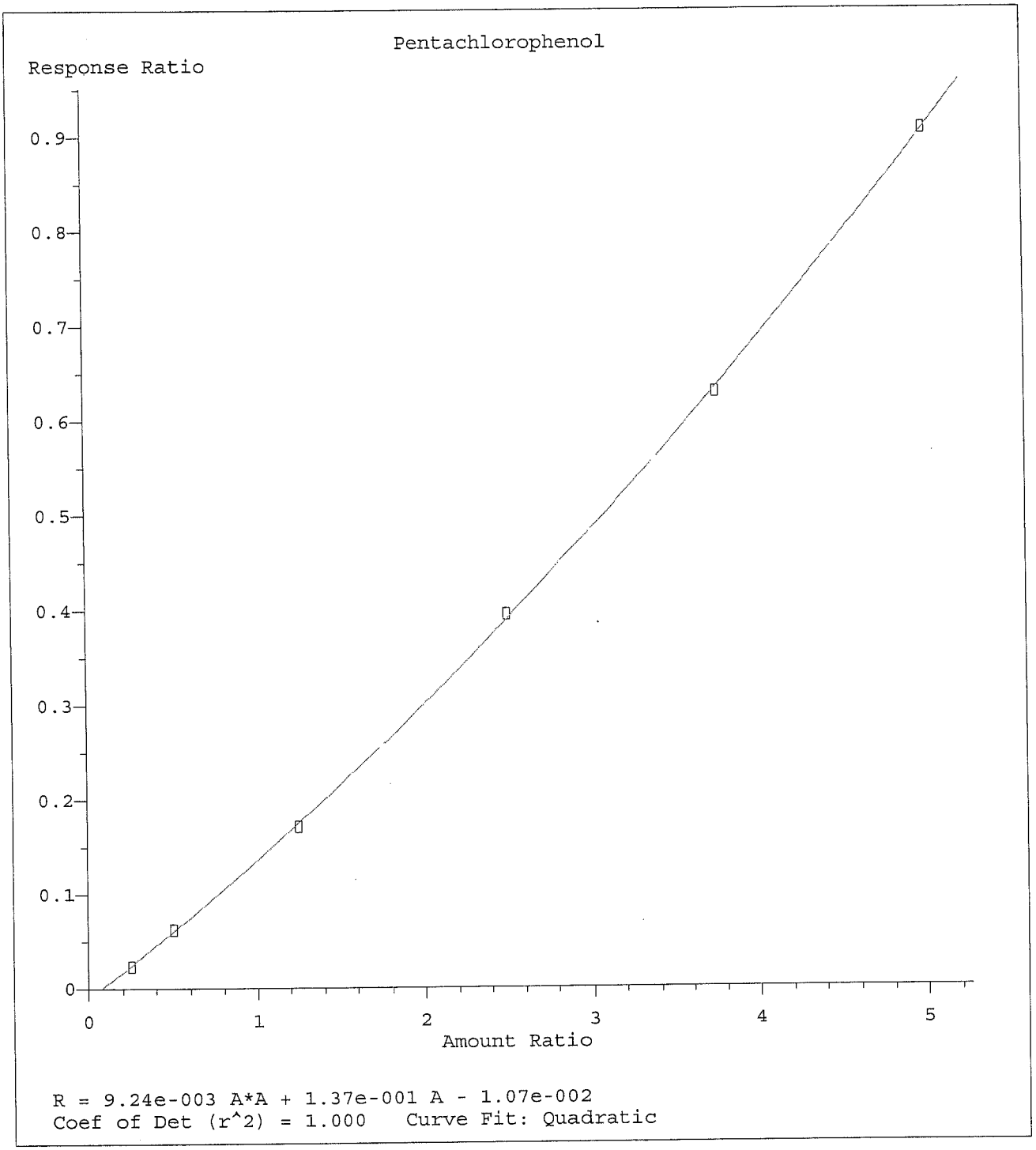
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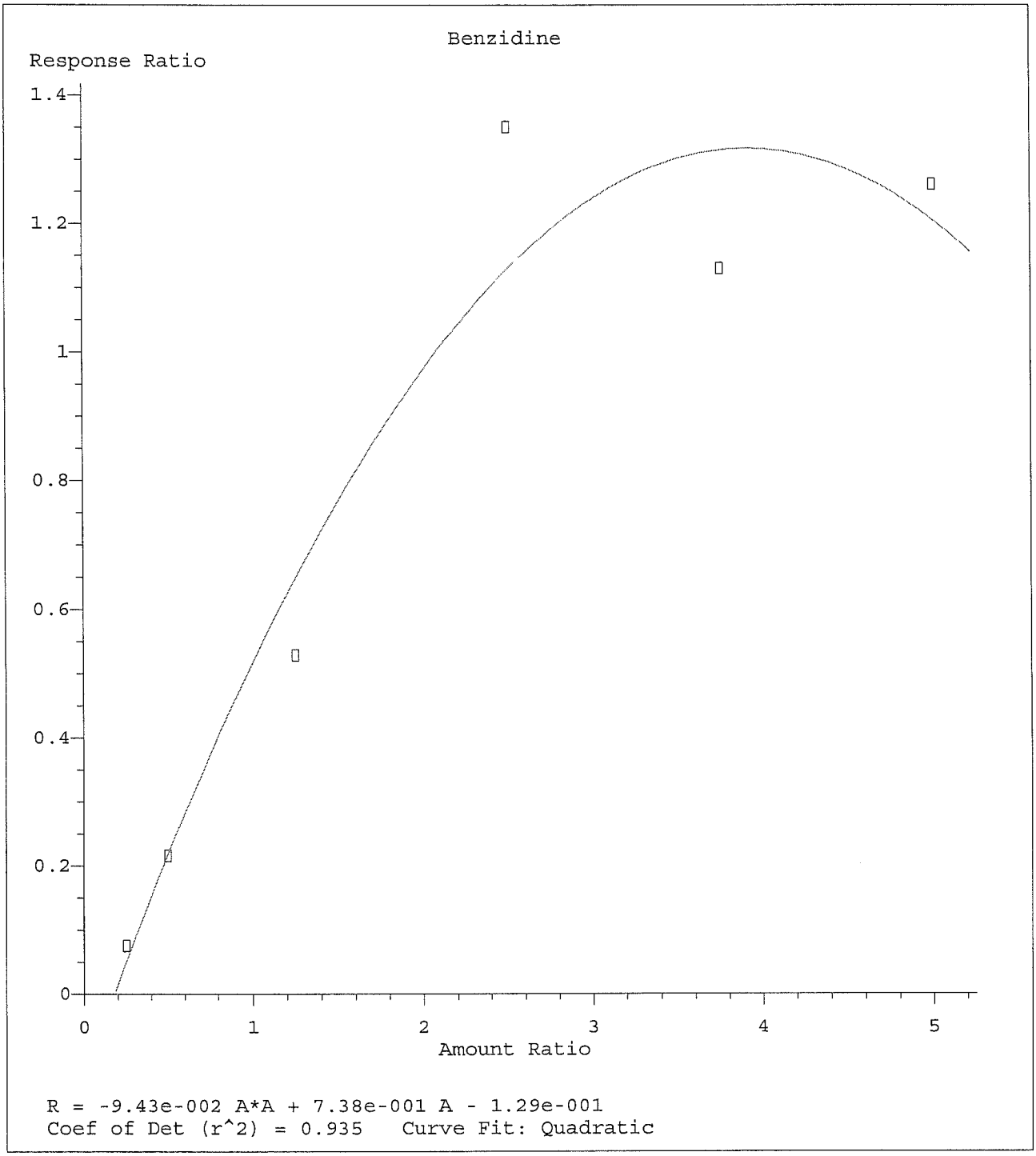
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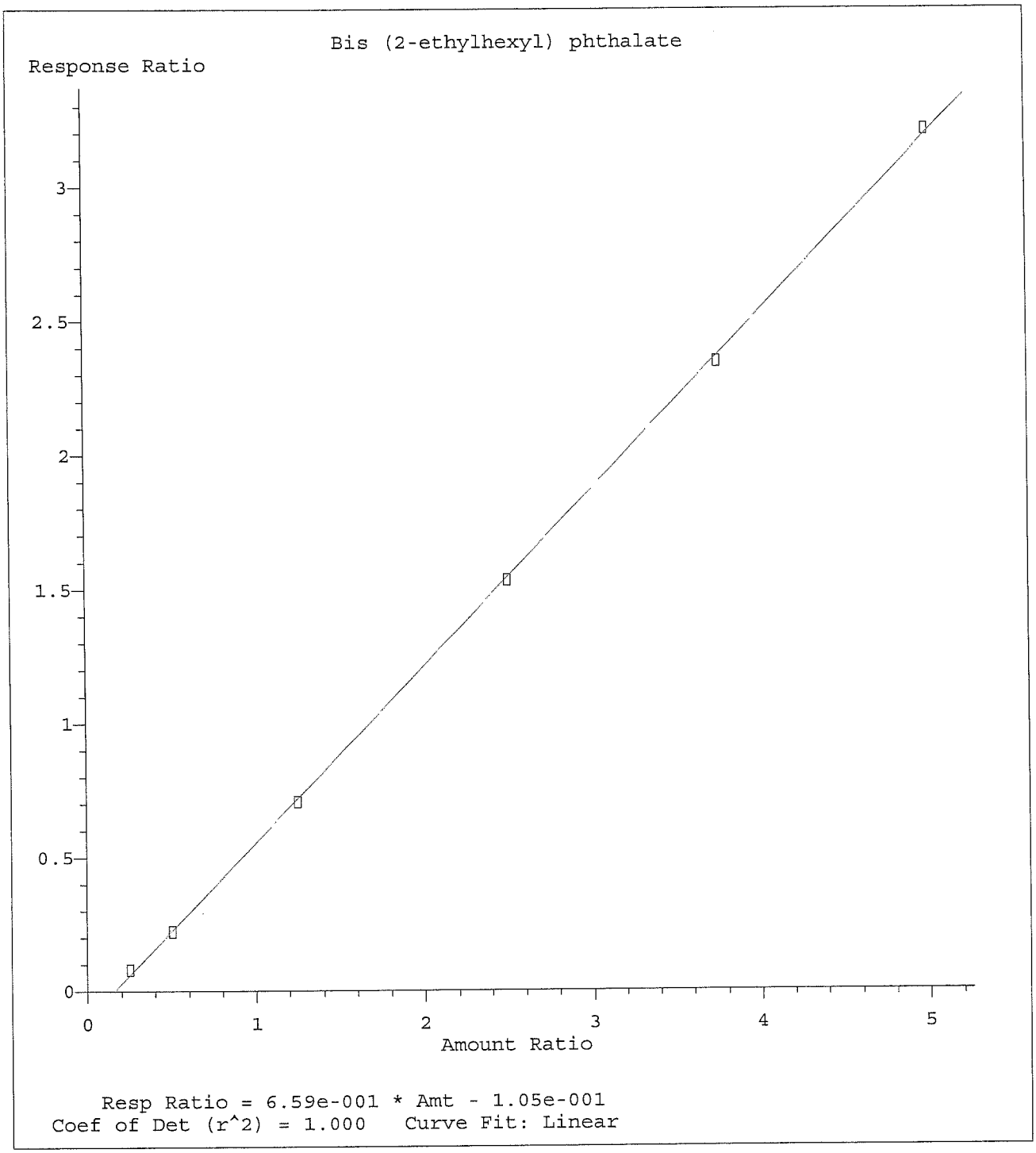
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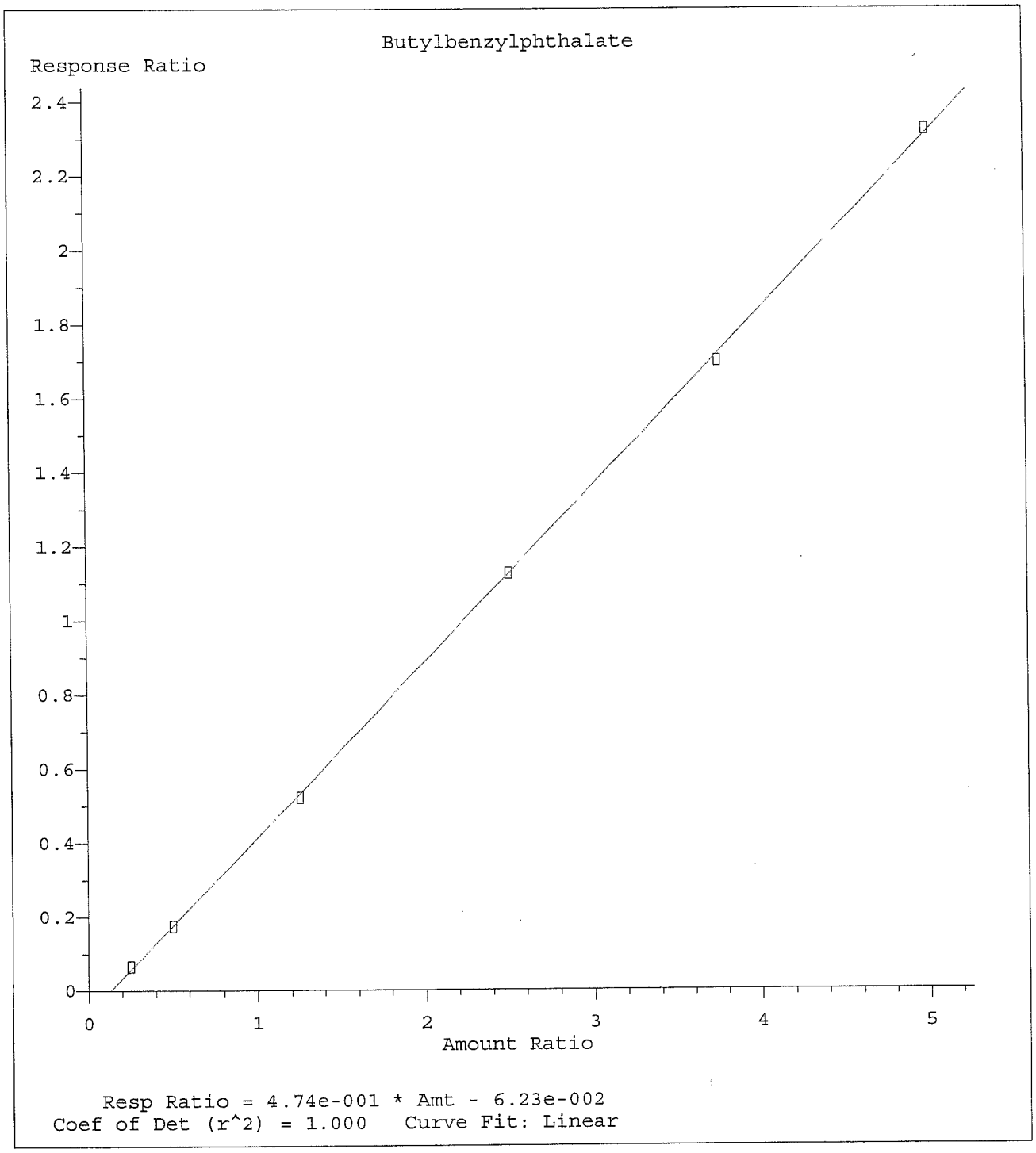
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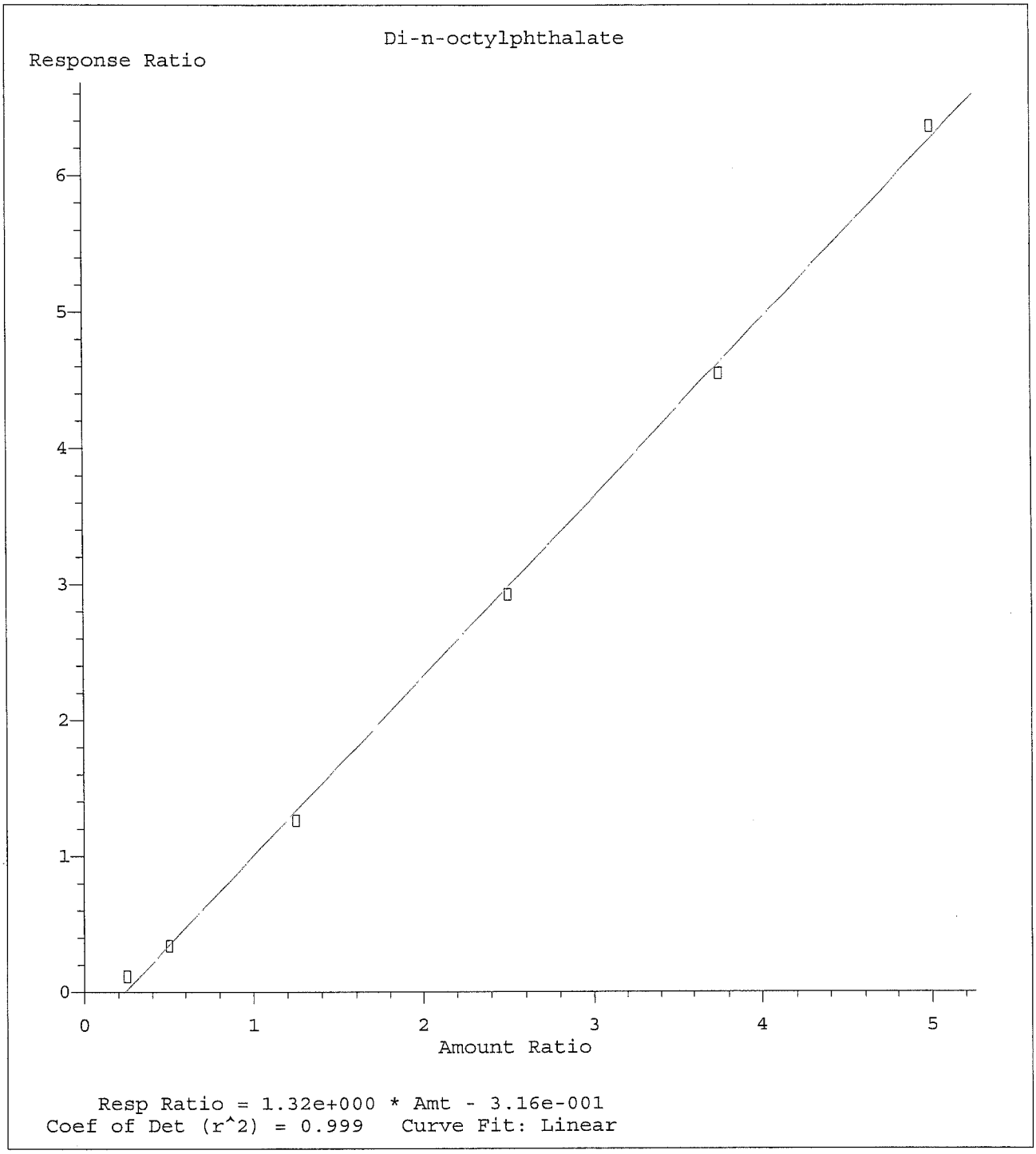
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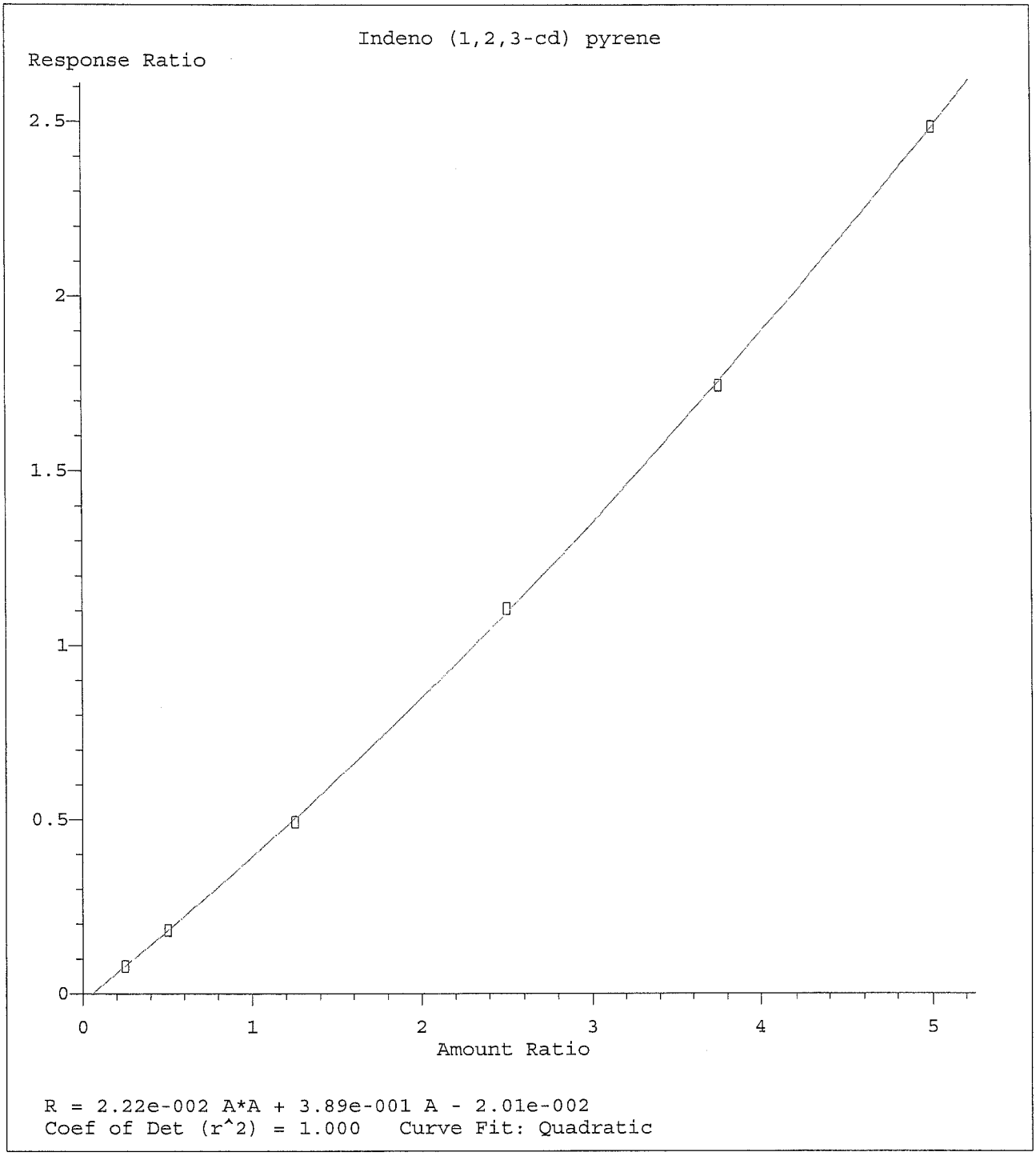
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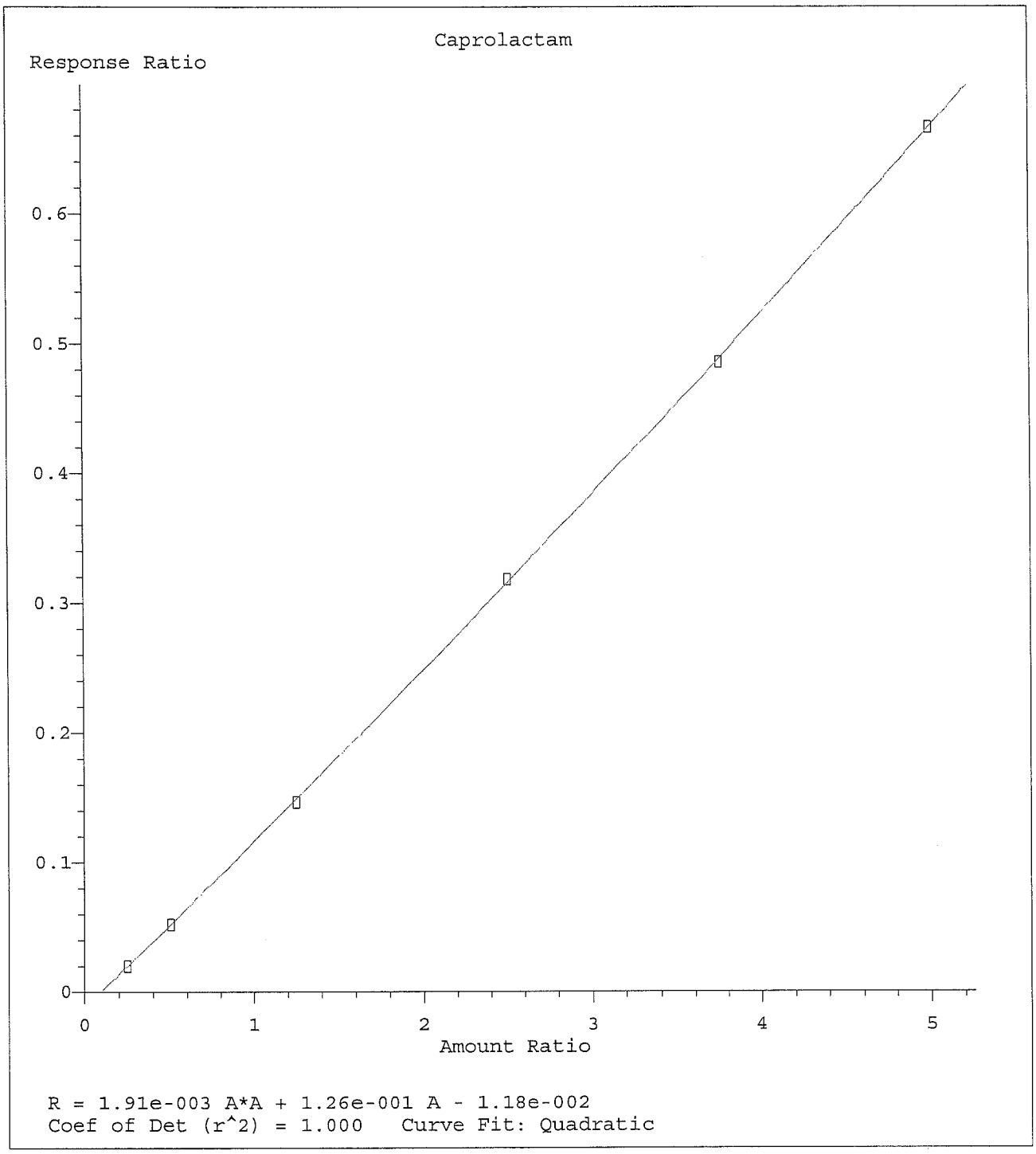
Method Name: C:\msdchem\1\METHODS\ABN112811.M
Calibration Table Last Updated: Mon Nov 28 12:31:11 2011



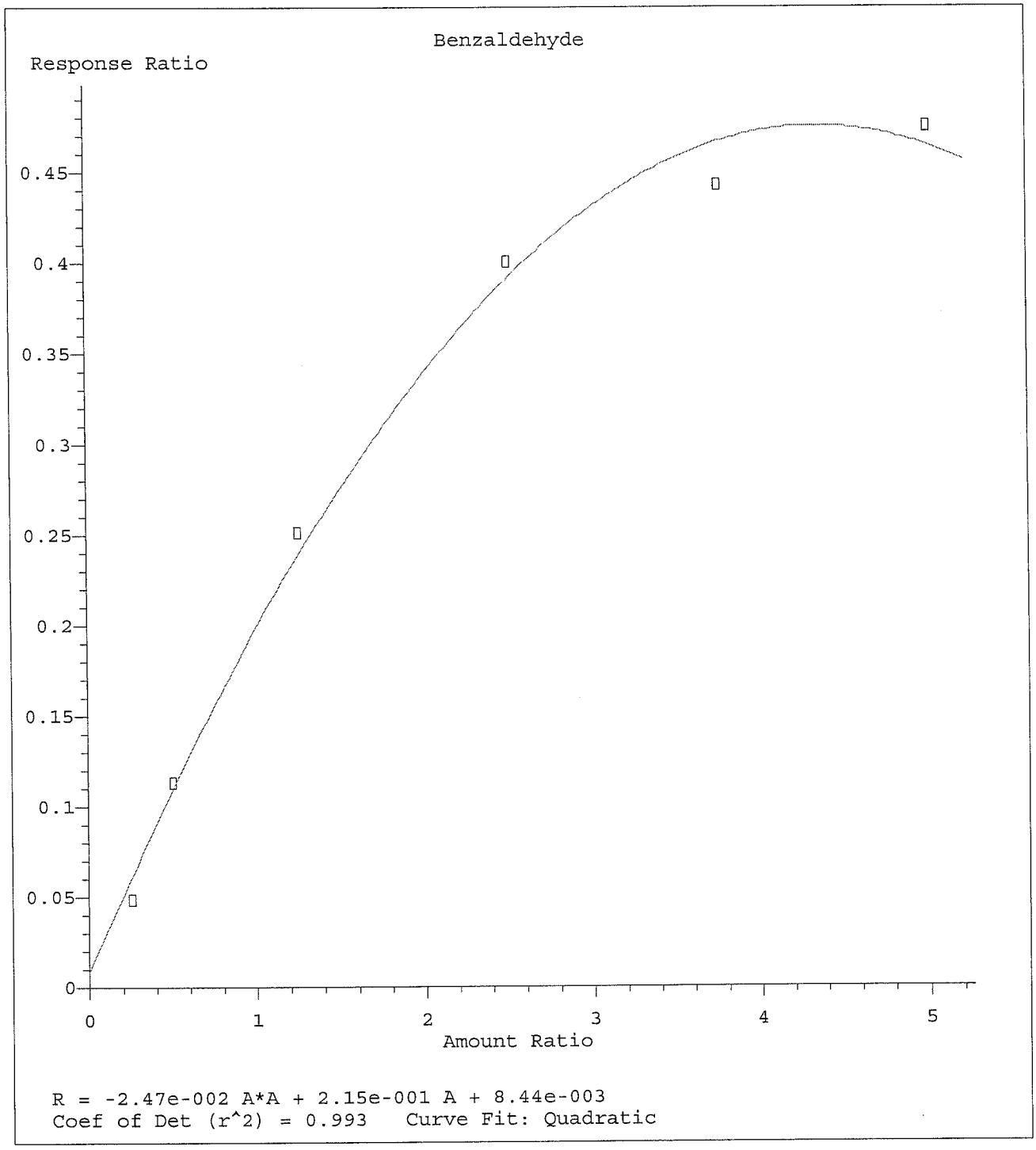
Method Name: C:\msdchem\1\METHODS\ABN112811.M
Calibration Table Last Updated: Mon Nov 28 12:31:11 2011



Method Name: C:\msdchem\1\METHODS\ABN112811.M
Calibration Table Last Updated: Mon Nov 28 12:31:11 2011



Method Name: C:\msdchem\1\METHODS\ABN112811.M
Calibration Table Last Updated: Mon Nov 28 12:39:25 2011



Method Name: C:\msdchem\1\METHODS\ABN112811.M
Calibration Table Last Updated: Mon Nov 28 12:39:56 2011

Quantitation Report (QT Reviewed)

Data File : C:\msdchem\1\DATA\111128\S60033.D Vial: 3
Acq On : 28 Nov 2011 9:13 am Operator: G.J.Brien
Sample : 8270 Cal L-1 10ppm Inst : 73SVOAV2
Misc : 11181

Quant Time: Nov 28 10:03:00 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 10:00:26 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M

✓ 11/28/11

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.176	152	74144	40.00	ug/ml	0.00
17) Napthalene-d8	9.044	136	243826	40.00	ug/ml	0.00
35) Acenaphthene-d10	11.682	164	160058	40.00	ug/ml	0.00
56) Phenanthrene-d10	13.874	188	278086	40.00	ug/ml	0.00
66) Chrysene-d12	18.022	240	295661	40.00	ug/ml	0.00
75) Perylene-d12	19.973	264	262297	40.00	ug/ml	0.00
System Monitoring Compounds						
9) 2-Fluorophenol	5.378	112	36224	16.34	ug/ml	0.00
Spiked Amount 100.000	Range 0 - 110		Recovery = 16.34%			
16) Phenol-d5	6.788	99	45220	17.45	ug/ml	0.00
Spiked Amount 100.000	Range 0 - 104		Recovery = 17.45%			
31) Nitrobenzene-d5	8.010	82	18596	8.09	ug/ml	0.00
Spiked Amount 50.000	Range 44 - 101		Recovery = 16.18%#			
47) 2-Fluorobiphenyl	10.713	172	52094	9.97	ug/ml	0.00
Spiked Amount 50.000	Range 37 - 91		Recovery = 19.94%#			
53) 2,4,6-Tribromophenol	12.869	330	12276	17.68	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 143		Recovery = 17.68%			
74) Terphenyl-d14	16.424	244	53723	8.82	ug/ml	0.00
Spiked Amount 50.000	Range 56 - 112		Recovery = 17.64%#			
Target Compounds						Qvalue
2) Benzyl alcohol	7.434	108	9269	7.28	ug/ml	95
3) Bis (2-chloroethyl) ether	6.876	93	17333	8.53	ug/ml	90
4) Bis (2-chloroisopropyl...	7.687	45	23930	5.46	ug/ml#	98
5) 2-Chlorophenol	6.911	128	18830	8.01	ug/ml	97
6) 1,3-Dichlorobenzene	7.117	146	25323	9.34	ug/ml	99
7) 1,4-Dichlorobenzene	7.199	146	24682	9.14	ug/ml	94
8) 1,2-Dichlorobenzene	7.464	146	23976	9.27	ug/ml	96
10) Hexachloroethane	7.916	117	8767	7.97	ug/ml	94
11) 2-Methylphenol	7.663	108	16071	8.22	ug/ml	98
12) 3&4-Methylphenol	7.875	108	17391	8.30	ug/ml#	95
13) N-Nitrosodimethylamine	2.863	74	9417m (S)	8.34	ug/ml	
14) N-Nitroso-di-n-propyla...	7.875	70	11662	8.14	ug/ml#	61
15) Phenol	6.805	94	22721	8.73	ug/ml#	79
18) Aniline	6.758	93	26851	9.37	ug/ml	90
19) Benzoic acid	8.762	122	3377m (S)	10.76	ug/ml	
20) Bis (2-chloroethoxy) m...	8.780	93	20625	9.07	ug/ml#	90
21) 4-Chloroaniline	9.209	127	23420	8.90	ug/ml	96
22) 4-Chloro-3-methylphenol	9.972	107	13580	7.62	ug/ml	97
23) 2,4-Dichlorophenol	8.874	162	16727	8.79	ug/ml	98
24) 2,6-Dichlorophenol	9.220	162	17103	8.79	ug/ml	91
25) 2,4-Dimethylphenol	8.645	107	16462	8.23	ug/ml	99
26) Hexachlorobutadiene	9.391	225	12971	9.33	ug/ml	93
27) Isophorone	8.398	82	30070	8.20	ug/ml#	93
28) 2-Methylnapthalene	10.108	142	41507	9.70	ug/ml	94
29) Naphthalene	9.073	128	61731	9.91	ug/ml	99
30) Nitrobenzene	8.039	77	20271	9.34	ug/ml#	86
32) 2-Nitrophenol	8.521	139	8842	7.41	ug/ml#	72
33) Azobenzene	12.746	77	39755	9.07	ug/ml	86
34) 1,2,4-Trichlorobenzene	9.003	180	22456	10.04	ug/ml	97
36) 2-Chloronaphthalene	10.824	162	41250m	9.24	ug/ml	
37) Acenaphthene	11.729	153	41501	9.79	ug/ml	99

Quantitation Report (QT Reviewed)

Data File : C:\msdchem\1\DATA\111128\S60033.D Vial: 3
Acq On : 28 Nov 2011 9:13 am Operator: G.J.Brien
Sample : 8270 Cal L-1 10ppm Inst : 73SVOAV2
Misc : 11181

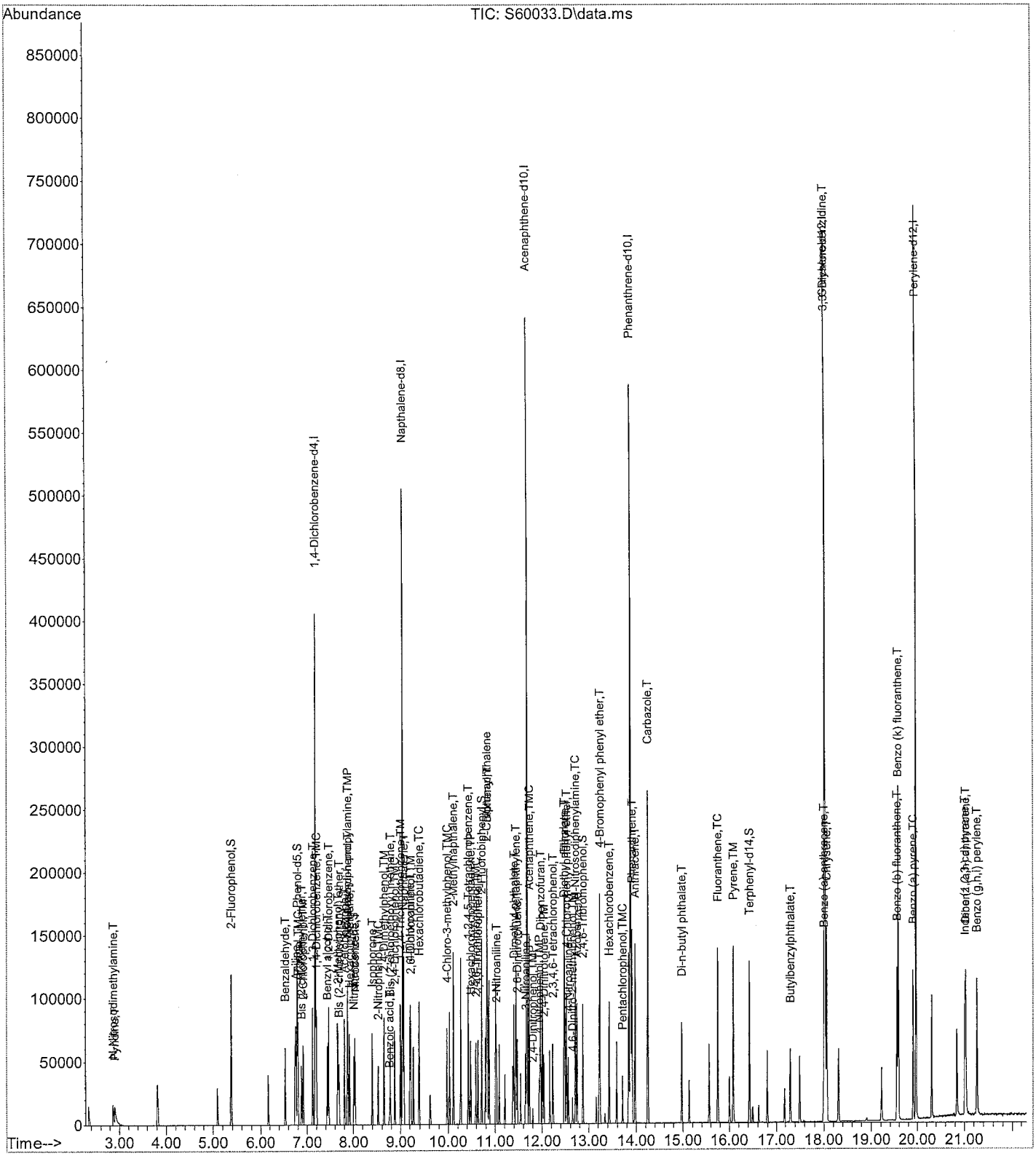
Quant Time: Nov 28 10:03:00 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 10:00:26 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
38) Acenaphthylene	11.441	152	62028	9.37 ug/ml	99
39) 4-Chlorophenyl phenyl ...	12.522	204	24563	9.81 ug/ml	96
40) Dibenzofuran	11.970	168	61436	10.09 ug/ml	94
41) Diethyl phthalate	12.470	149	41753	8.51 ug/ml	99
42) Dimethyl phthalate	11.400	163	46686	9.33 ug/ml#	94
43) 2,4-Dinitrophenol	11.806	184	2220	9.90 ug/ml#	35
44) 2,4-Dinitrotoluene	12.046	165	12200	8.22 ug/ml	91
45) 2,6-Dinitrotoluene	11.471	165	9858	8.79 ug/ml	98
46) Fluorene	12.481	166	48823	9.50 ug/ml	96
48) Hexachlorocyclopentadiene	10.478	237	11482	7.33 ug/ml#	92
49) 2-Nitroaniline	11.030	138	10201	7.39 ug/ml	90
50) 3-Nitroaniline	11.653	138	9559	8.07 ug/ml#	97
51) 4-Nitroaniline	12.558	138	8493	7.46 ug/ml	87
52) 4-Nitrophenol	11.941	65	5858	6.06 ug/ml	92
54) 2,4,6-Trichlorophenol	10.589	196	11572	8.00 ug/ml	99
55) 2,4,5-Trichlorophenol	10.636	196	13278	8.29 ug/ml	98
57) 4-Bromophenyl phenyl e...	13.239	248	15663	9.92 ug/ml	91
58) Di-n-butyl phthalate	14.973	149	52671	6.09 ug/ml#	98
59) 4,6-Dinitro-2-methylph...	12.646	198	4461	10.02 ug/ml#	38
60) Fluoranthene	15.748	202	71423	8.57 ug/ml	98
61) Hexachlorobenzene	13.433	284	16223	9.81 ug/ml	94
62) N-Nitrosodiphenylamine	12.705	169	40111	8.99 ug/ml	98
63) Pentachlorophenol	13.709	266	6503	6.25 ug/ml	93
64) Anthracene	13.974	178	68602	8.92 ug/ml	98
65) Phenanthrene	13.909	178	71240	9.50 ug/ml	99
68) Benzo (a) anthracene	17.998	228	61155	7.51 ug/ml	99
70) Butylbenzylphthalate	17.305	149	19493	5.02 ug/ml	97
71) Chrysene	18.057	228	72651	9.23 ug/ml	99
72) 3,3'-Dichlorobenzidine	18.028	252	21267	7.38 ug/ml	99
73) Pyrene	16.089	202	76545	8.42 ug/ml	96
76) Benzo (b) fluoranthene	19.550	252	62593	7.52 ug/ml	99
77) Benzo (k) fluoranthene	19.573	252	76328	9.19 ug/ml	99
78) Benzo (g,h,i) perylene	21.265	276	56279	7.94 ug/ml	98
79) Benzo (a) pyrene	19.902	252	54828	7.20 ug/ml	100
80) Dibenz (a,h) anthracene	21.030	278	55548	8.33 ug/ml	97
82) Indeno (1,2,3-cd) pyrene	21.013	138	20745	8.01 ug/ml	90
83) Pyridine	2.898	79	15459	14.58 ug/ml	88
84) Biphenyl	10.830	154	52659	8.52 ug/ml	99
85) Acetophenone	7.804	105	24886	7.48 ug/ml	90
88) Carbazole	14.244	167	129404	8.47 ug/ml	98
89) Benzaldehyde	6.529	77	12712	8.79 ug/ml	97
90) 1,2,4,5-Tetrachloroben...	10.425	216	23020	8.99 ug/ml	96
91) 2,3,4,6-Tetrachlorophenol	12.235	232	11616	8.53 ug/ml	94

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

Data File : C:\msdchem\1\DATA\111128\S60033.D Vial: 3
Acq On : 28 Nov 2011 9:13 am Operator: G.J.Brien
Sample : 8270 Cal L-1 10ppm Inst : 73SVOAV2
Misc : 11181

Quant Time: Nov 28 10:03:00 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 10:00:26 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M



Quantitation Report (QT Reviewed)

Data File : C:\msdchem\1\DATA\111128\S60034.D Vial: 4
Acq On : 28 Nov 2011 9:44 am Operator: G.J.Brien
Sample : 8270 Cal L-2 20ppm Inst : 73SVOAV2
Misc : 11182

Quant Time: Nov 28 10:08:44 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 10:00:26 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.176	152	71738	40.00	ug/ml	0.00
17) Napthalene-d8	9.050	136	244921	40.00	ug/ml	0.00
35) Acenaphthene-d10	11.682	164	156530	40.00	ug/ml	0.00
56) Phenanthrene-d10	13.880	188	269185	40.00	ug/ml	0.00
66) Chrysene-d12	18.022	240	287010	40.00	ug/ml	0.00
75) Perylene-d12	19.967	264	253105	40.00	ug/ml	0.00
System Monitoring Compounds						
9) 2-Fluorophenol	5.378	112	75805	35.33	ug/ml	0.00
Spiked Amount 100.000	Range 0 - 110		Recovery = 35.33%			
16) Phenol-d5	6.794	99	94067	37.51	ug/ml	0.00
Spiked Amount 100.000	Range 0 - 104		Recovery = 37.51%			
31) Nitrobenzene-d5	8.016	82	40920	17.73	ug/ml	0.00
Spiked Amount 50.000	Range 44 - 101		Recovery = 35.46%#			
47) 2-Fluorobiphenyl	10.713	172	106926	20.93	ug/ml	0.00
Spiked Amount 50.000	Range 37 - 91		Recovery = 41.86%			
53) 2,4,6-Tribromophenol	12.875	330	27669	40.74	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 143		Recovery = 40.74%			
74) Terphenyl-d14	16.424	244	113767	19.24	ug/ml	0.00
Spiked Amount 50.000	Range 56 - 112		Recovery = 38.48%#			
Target Compounds						Qvalue
2) Benzyl alcohol	7.434	108	22247	18.05	ug/ml	99
3) Bis (2-chloroethyl) ether	6.882	93	33619	17.10	ug/ml	95
4) Bis (2-chloroisopropyl...	7.687	45	49223	11.60	ug/ml	97
5) 2-Chlorophenol	6.917	128	39994	17.59	ug/ml	96
6) 1,3-Dichlorobenzene	7.117	146	50104	19.09	ug/ml	99
7) 1,4-Dichlorobenzene	7.199	146	49555	18.97	ug/ml	100
8) 1,2-Dichlorobenzene	7.464	146	47452	18.97	ug/ml	97
10) Hexachloroethane	7.916	117	18395	17.28	ug/ml	91
11) 2-Methylphenol	7.664	108	33704	17.82	ug/ml	97
12) 3&4-Methylphenol	7.881	108	36693	18.10	ug/ml	97
13) N-Nitrosodimethylamine	2.857	74	20298	18.58	ug/ml#	61
14) N-Nitroso-di-n-propyla...	7.875	70	25762	18.58	ug/ml#	61
15) Phenol	6.812	94	47164	18.72	ug/ml#	79
18) Aniline	6.759	93	56892	19.76	ug/ml	91
19) Benzoic acid	8.792	122	13576	17.01	ug/ml#	100
20) Bis (2-chloroethoxy) m...	8.780	93	42611	18.65	ug/ml	99
21) 4-Chloroaniline	9.209	127	50977	19.28	ug/ml	94
22) 4-Chloro-3-methylphenol	9.973	107	30974	17.30	ug/ml	97
23) 2,4-Dichlorophenol	8.874	162	36449	19.06	ug/ml	99
24) 2,6-Dichlorophenol	9.221	162	36403	18.63	ug/ml	91
25) 2,4-Dimethylphenol	8.645	107	36864	18.35	ug/ml	97
26) Hexachlorobutadiene	9.391	225	26565	19.03	ug/ml	97
27) Isophorone	8.398	82	66151	17.96	ug/ml	99
28) 2-Methylnapthalene	10.108	142	85757	19.95	ug/ml	96
29) Naphthalene	9.074	128	123600	19.76	ug/ml	99
30) Nitrobenzene	8.040	77	41584	19.08	ug/ml	99
32) 2-Nitrophenol	8.521	139	20005	16.69	ug/ml	94
33) Azobenzene	12.746	77	84208	19.12	ug/ml	85
34) 1,2,4-Trichlorobenzene	9.003	180	45282	20.16	ug/ml	96
36) 2-Chloronaphthalene	10.825	162	83404m(S)	19.11	ug/ml	
37) Acenaphthene	11.729	153	85435	20.60	ug/ml	98

Quantitation Report (QT Reviewed)

Data File : C:\msdchem\1\DATA\111128\S60034.D Vial: 4
Acq On : 28 Nov 2011 9:44 am Operator: G.J.Brien
Sample : 8270 Cal L-2 20ppm Inst : 73SVOAV2
Misc : 11182

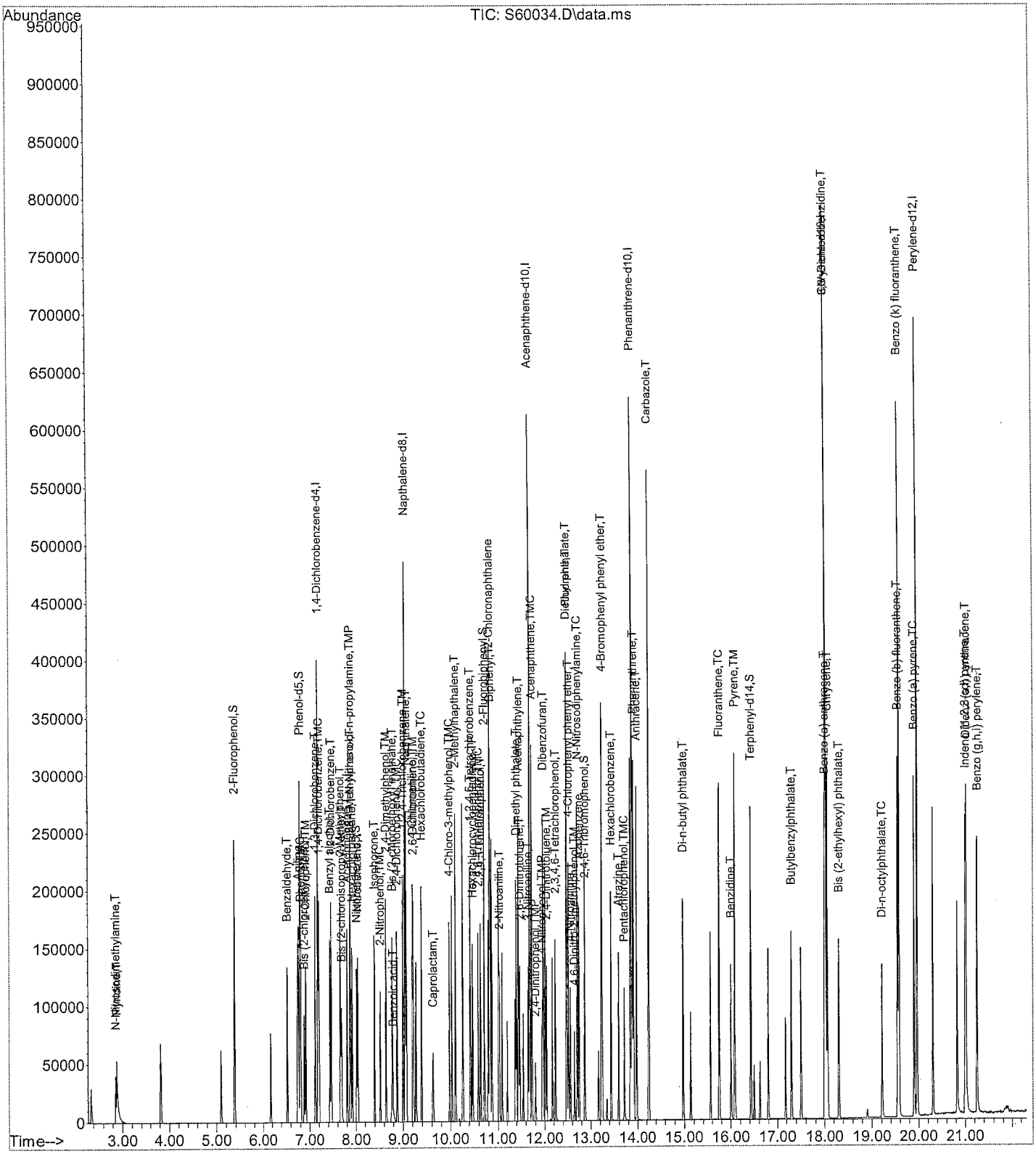
Quant Time: Nov 28 10:08:44 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 10:00:26 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
38) Acenaphthylene	11.447	152	130554	20.17 ug/ml	99
39) 4-Chlorophenyl phenyl ...	12.523	204	49848	20.35 ug/ml	95
40) Dibenzofuran	11.970	168	122103	20.51 ug/ml	91
41) Diethyl phthalate	12.476	149	90487	18.85 ug/ml	100
42) Dimethyl phthalate	11.400	163	95818	19.58 ug/ml	98
43) 2,4-Dinitrophenol	11.806	184	8125	18.19 ug/ml	86
44) 2,4-Dinitrotoluene	12.047	165	27179	18.73 ug/ml	92
45) 2,6-Dinitrotoluene	11.477	165	21202	19.32 ug/ml	96
46) Fluorene	12.482	166	100125	19.92 ug/ml	97
48) Hexachlorocyclopentadiene	10.478	237	26843	17.51 ug/ml	98
49) 2-Nitroaniline	11.036	138	23781	17.62 ug/ml	89
50) 3-Nitroaniline	11.653	138	20936	18.08 ug/ml#	98
51) 4-Nitroaniline	12.564	138	20486	18.41 ug/ml	88
52) 4-Nitrophenol	11.947	65	14489	15.34 ug/ml	97
54) 2,4,6-Trichlorophenol	10.590	196	26057	18.43 ug/ml	100
55) 2,4,5-Trichlorophenol	10.637	196	28889	18.45 ug/ml	96
57) 4-Bromophenyl phenyl e...	13.245	248	31251	20.45 ug/ml	93
58) Di-n-butyl phthalate	14.973	149	126231	15.09 ug/ml	99
59) 4,6-Dinitro-2-methylph...	12.646	198	13328	19.10 ug/ml	93
60) Fluoranthene	15.754	202	151524	18.79 ug/ml	99
61) Hexachlorobenzene	13.433	284	33650	21.02 ug/ml	92
62) N-Nitrosodiphenylamine	12.711	169	82351	19.07 ug/ml	98
63) Pentachlorophenol	13.710	266	16709	16.60 ug/ml	98
64) Anthracene	13.980	178	141368	18.99 ug/ml	99
65) Phenanthrene	13.909	178	140886	19.42 ug/ml	100
67) Benzidine	16.007	184	62018	16.15 ug/ml	98
68) Benzo (a) anthracene	17.999	228	137774	17.43 ug/ml	98
69) Bis (2-ethylhexyl) pht...	18.310	149	63900	12.50 ug/ml	96
70) Butylbenzylphthalate	17.305	149	50215	13.31 ug/ml	97
71) Chrysene	18.063	228	144564	18.91 ug/ml	99
72) 3,3'-Dichlorobenzidine	18.028	252	49698	17.77 ug/ml	99
73) Pyrene	16.089	202	163513	18.53 ug/ml	97
76) Benzo (b) fluoranthene	19.550	252	137228	17.08 ug/ml	100
77) Benzo (k) fluoranthene	19.579	252	162160	20.22 ug/ml	100
78) Benzo (g,h,i) perylene	21.260	276	122555	17.93 ug/ml	98
79) Benzo (a) pyrene	19.902	252	124696	16.97 ug/ml	98
80) Dibenz (a,h) anthracene	21.019	278	120510	18.72 ug/ml	98
81) Di-n-octylphthalate	19.215	149	86109	10.14 ug/ml	99
82) Indeno (1,2,3-cd) pyrene	21.001	138	46124m(S)	18.46 ug/ml	
83) Pyridine	2.881	79	34510	24.67 ug/ml	92
84) Biphenyl	10.836	154	105526	17.70 ug/ml	98
85) Acetophenone	7.810	105	51950	16.19 ug/ml	89
86) Atrazine	13.592	200	21211	15.89 ug/ml#	100
87) Caprolactam	9.626	55	13203	10.98 ug/ml#	87
88) Carbazole	14.250	167	262759	17.83 ug/ml	99
89) Benzaldehyde	6.530	77	28670	18.66 ug/ml	98
90) 1,2,4,5-Tetrachloroben...	10.425	216	45881	18.57 ug/ml	99
91) 2,3,4,6-Tetrachlorophenol	12.235	232	24836	18.89 ug/ml	91

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

Data File : C:\msdchem\1\DATA\111128\S60034.D Vial: 4
Acq On : 28 Nov 2011 9:44 am Operator: G.J.Brien
Sample : 8270 Cal L-2 20ppm Inst : 73SVOAV2
Misc : 11182

Quant Time: Nov 28 10:08:44 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 10:00:26 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M



Quantitation Report (QT Reviewed)

Data File : C:\msdchem\1\DATA\111128\S60035.D Vial: 5
Acq On : 28 Nov 2011 10:15 am Operator: G.J.Brien
Sample : 8270 Cal L-3 50ppm Inst : 73SVOAV2
Misc : 11183

Quant Time: Nov 28 10:39:56 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 10:00:26 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.176	152	68617	40.00	ug/ml	0.00
17) Napthalene-d8	9.050	136	230771	40.00	ug/ml	0.00
35) Acenaphthene-d10	11.688	164	149244	40.00	ug/ml	0.00
56) Phenanthrene-d10	13.880	188	255550	40.00	ug/ml	0.00
66) Chrysene-d12	18.028	240	276111	40.00	ug/ml	0.00
75) Perylene-d12	19.967	264	242717	40.00	ug/ml	0.00
System Monitoring Compounds						
9) 2-Fluorophenol	5.384	112	188243	91.73	ug/ml	0.00
Spiked Amount 100.000	Range 0 - 110		Recovery = 91.73%			
16) Phenol-d5	6.800	99	227855	95.00	ug/ml	0.01
Spiked Amount 100.000	Range 0 - 104		Recovery = 95.00%			
31) Nitrobenzene-d5	8.016	82	103752	47.70	ug/ml	0.00
Spiked Amount 50.000	Range 44 - 101		Recovery = 95.40%			
47) 2-Fluorobiphenyl	10.719	172	254134	52.17	ug/ml	0.00
Spiked Amount 50.000	Range 37 - 91		Recovery = 104.34%#			
53) 2,4,6-Tribromophenol	12.875	330	69959	108.05	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 143		Recovery = 108.05%			
74) Terphenyl-d14	16.430	244	281313	49.46	ug/ml	0.00
Spiked Amount 50.000	Range 56 - 112		Recovery = 98.92%			
Target Compounds						Qvalue
2) Benzyl alcohol	7.440	108	59670	50.62	ug/ml	98
3) Bis (2-chloroethyl) ether	6.882	93	83319	44.31	ug/ml	93
4) Bis (2-chloroisopropyl...	7.687	45	118843	29.29	ug/ml	97
5) 2-Chlorophenol	6.917	128	100875	46.37	ug/ml	96
6) 1,3-Dichlorobenzene	7.117	146	120511	48.01	ug/ml	97
7) 1,4-Dichlorobenzene	7.199	146	121150	48.49	ug/ml	98
8) 1,2-Dichlorobenzene	7.464	146	114796	47.98	ug/ml	97
10) Hexachloroethane	7.922	117	44197	43.41	ug/ml	89
11) 2-Methylphenol	7.663	108	86178	47.64	ug/ml	98
12) 3&4-Methylphenol	7.887	108	91047	46.95	ug/ml	96
13) N-Nitrosodimethylamine	2.857	74	51944	49.70	ug/ml#	60
14) N-Nitroso-di-n-propyla...	7.881	70	62685	47.26	ug/ml#	62
15) Phenol	6.817	94	114272	47.43	ug/ml	80
18) Aniline	6.764	93	134588	49.62	ug/ml	91
19) Benzoic acid	8.821	122	49510	40.93	ug/ml#	100
20) Bis (2-chloroethoxy) m...	8.786	93	105132	48.83	ug/ml	98
21) 4-Chloroaniline	9.209	127	124452	49.95	ug/ml	94
22) 4-Chloro-3-methylphenol	9.978	107	81236	48.17	ug/ml	98
23) 2,4-Dichlorophenol	8.880	162	91132	50.58	ug/ml	98
24) 2,6-Dichlorophenol	9.220	162	88682	48.18	ug/ml	90
25) 2,4-Dimethylphenol	8.650	107	94908	50.13	ug/ml	97
26) Hexachlorobutadiene	9.391	225	64519	49.05	ug/ml	96
27) Isophorone	8.404	82	166495	47.97	ug/ml	99
28) 2-Methylnapthalene	10.113	142	207541	51.24	ug/ml	96
29) Naphthalene	9.079	128	295928	50.20	ug/ml	99
30) Nitrobenzene	8.045	77	102800	50.06	ug/ml	96
32) 2-Nitrophenol	8.521	139	54988	48.68	ug/ml	90
33) Azobenzene	12.752	77	206626	49.79	ug/ml	85
34) 1,2,4-Trichlorobenzene	9.003	180	107475	50.79	ug/ml	98
36) 2-Chloronaphthalene	10.824	162	200935m (5)	48.29	ug/ml	
37) Acenaphthene	11.735	153	208000	52.60	ug/ml	99

Quantitation Report (QT Reviewed)

Data File : C:\msdchem\1\DATA\111128\S60035.D Vial: 5
Acq On : 28 Nov 2011 10:15 am Operator: G.J.Brien
Sample : 8270 Cal L-3 50ppm Inst : 73SVOAV2
Misc : 11183

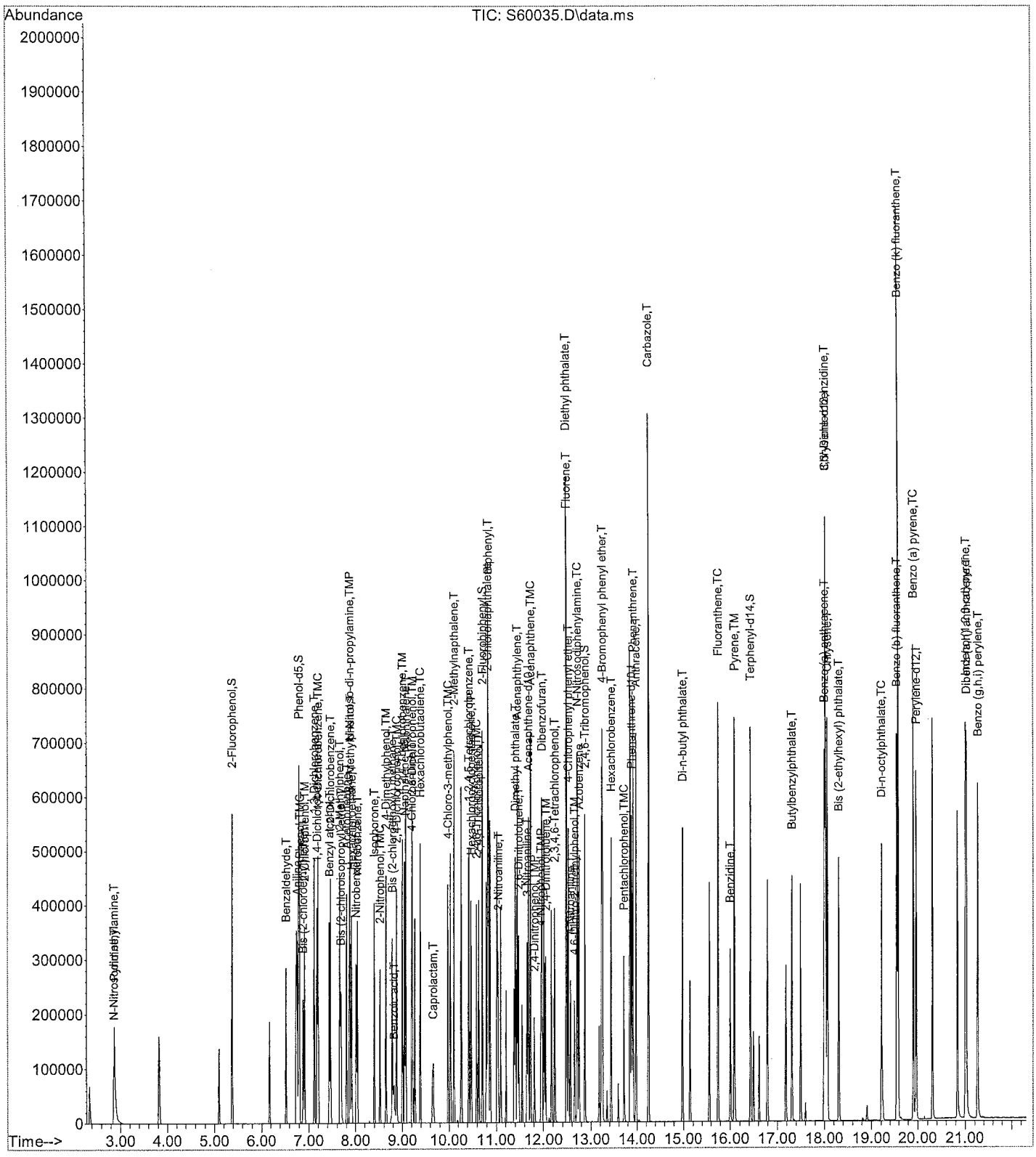
Quant Time: Nov 28 10:39:56 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 10:00:26 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) Acenaphthylene	11.447	152	319721	51.80	ug/ml	99
39) 4-Chlorophenyl phenyl ...	12.522	204	116670	49.96	ug/ml	97
40) Dibenzofuran	11.970	168	288669	50.86	ug/ml#	74
41) Diethyl phthalate	12.481	149	222855	48.69	ug/ml	99
42) Dimethyl phthalate	11.406	163	232385	49.81	ug/ml	98
43) 2,4-Dinitrophenol	11.811	184	28560	47.77	ug/ml	87
44) 2,4-Dinitrotoluene	12.052	165	67625	48.88	ug/ml	92
45) 2,6-Dinitrotoluene	11.477	165	52086	49.79	ug/ml	96
46) Fluorene	12.487	166	244288	50.97	ug/ml	96
48) Hexachlorocyclopentadiene	10.478	237	71544	48.96	ug/ml	99
49) 2-Nitroaniline	11.042	138	62078	48.24	ug/ml#	82
50) 3-Nitroaniline	11.659	138	54126	49.01	ug/ml	96
51) 4-Nitroaniline	12.569	138	51561	48.60	ug/ml	87
52) 4-Nitrophenol	11.952	65	38908	43.20	ug/ml#	1
54) 2,4,6-Trichlorophenol	10.589	196	63516	47.11	ug/ml	100
55) 2,4,5-Trichlorophenol	10.642	196	70491	47.22	ug/ml	96
57) 4-Bromophenyl phenyl e...	13.245	248	75978	52.38	ug/ml	94
58) Di-n-butyl phthalate	14.978	149	348549	43.89	ug/ml	100
59) 4,6-Dinitro-2-methylph...	12.652	198	39251	46.59	ug/ml	96
60) Fluoranthene	15.754	202	375250	49.02	ug/ml	98
61) Hexachlorobenzene	13.439	284	82437	54.24	ug/ml	91
62) N-Nitrosodiphenylamine	12.710	169	198730	48.48	ug/ml	99
63) Pentachlorophenol	13.715	266	43782	45.81	ug/ml	95
64) Anthracene	13.980	178	344277	48.71	ug/ml	99
65) Phenanthrene	13.915	178	341826	49.63	ug/ml	99
67) Benzidine	16.007	184	145964	47.06	ug/ml	99
68) Benzo (a) anthracene	18.004	228	353472	46.48	ug/ml	99
69) Bis (2-ethylhexyl) pht...	18.310	149	195338	39.73	ug/ml	96
70) Butylbenzylphthalate	17.311	149	144204	39.74	ug/ml	98
71) Chrysene	18.069	228	352034	47.87	ug/ml	99
72) 3,3'-Dichlorobenzidine	18.028	252	131624	48.93	ug/ml	98
73) Pyrene	16.095	202	396382	46.68	ug/ml	97
76) Benzo (b) fluoranthene	19.550	252	370421	48.09	ug/ml	99
77) Benzo (k) fluoranthene	19.585	252	389093	50.60	ug/ml	99
78) Benzo (g,h,i) perylene	21.271	276	314617	47.99	ug/ml	98
79) Benzo (a) pyrene	19.908	252	336704	47.78	ug/ml	98
80) Dibenz (a,h) anthracene	21.030	278	314684	50.97	ug/ml	97
81) Di-n-octylphthalate	19.215	149	305899	37.58	ug/ml	99
82) Indeno (1,2,3-cd) pyrene	21.013	138	119573	49.90	ug/ml#	90
83) Pyridine	2.869	79	88019	53.19	ug/ml	93
84) Biphenyl	10.836	154	253389	44.33	ug/ml	97
85) Acetophenone	7.810	105	129536	42.09	ug/ml	90
87) Caprolactam	9.661	55	35591	30.88	ug/ml#	84
88) Carbazole	14.256	167	641060	45.37	ug/ml	99
89) Benzaldehyde	6.535	77	60960	42.69	ug/ml	98
90) 1,2,4,5-Tetrachloroben...	10.431	216	111600	47.11	ug/ml	97
91) 2,3,4,6-Tetrachlorophenol	12.235	232	58485m	46.39	ug/ml	

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

Data File : C:\msdchem\1\DATA\111128\S60035.D Vial: 5
Acq On : 28 Nov 2011 10:15 am Operator: G.J.Brien
Sample : 8270 Cal L-3 50ppm Inst : 73SVOAV2
Misc : 11183

Quant Time: Nov 28 10:39:56 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 10:00:26 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M



Quantitation Report (QT Reviewed)

Data File : C:\msdchem\1\DATA\111128\S60036.D Vial: 6
Acq On : 28 Nov 2011 10:46 am Operator: G.J.Brien
Sample : 8270 Cal L-4 100ppm Inst : 73SVOAV2
Misc : 11184

Quant Time: Nov 28 11:41:19 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 10:40:10 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.176	152	72981	40.00	ug/ml	0.00
17) Napthalene-d8	9.050	136	241904	40.00	ug/ml	0.00
35) Acenaphthene-d10	11.688	164	156212	40.00	ug/ml	0.00
56) Phenanthrene-d10	13.886	188	259875	40.00	ug/ml	0.00
66) Chrysene-d12	18.034	240	292271	40.00	ug/ml	0.00
75) Perylene-d12	19.973	264	251292	40.00	ug/ml	0.00
System Monitoring Compounds						
9) 2-Fluorophenol	5.389	112	402523	184.41	ug/ml	0.00
Spiked Amount 100.000	Range 0 - 110		Recovery = 184.41%#			
16) Phenol-d5	6.811	99	497624	195.06	ug/ml	0.01
Spiked Amount 100.000	Range 0 - 104		Recovery = 195.06%#			
31) Nitrobenzene-d5	8.028	82	221977	97.36	ug/ml	0.01
Spiked Amount 50.000	Range 44 - 101		Recovery = 194.72%#			
47) 2-Fluorobiphenyl	10.725	172	528716	103.70	ug/ml	0.00
Spiked Amount 50.000	Range 37 - 91		Recovery = 207.40%#			
53) 2,4,6-Tribromophenol	12.881	330	151798	223.99	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 143		Recovery = 223.99%#			
74) Terphenyl-d14	16.436	244	604914	100.48	ug/ml	0.00
Spiked Amount 50.000	Range 56 - 112		Recovery = 200.96%#			
Target Compounds						Qvalue
2) Benzyl alcohol	7.446	108	128925	102.83	ug/ml	97
3) Bis (2-chloroethyl) ether	6.888	93	177807m(5)	88.90	ug/ml	
4) Bis (2-chloroisopropyl...	7.693	45	252175	58.43	ug/ml	95
5) 2-Chlorophenol	6.923	128	212027	91.64	ug/ml	96
6) 1,3-Dichlorobenzene	7.123	146	256485	96.07	ug/ml	97
7) 1,4-Dichlorobenzene	7.199	146	256575	96.55	ug/ml	98
8) 1,2-Dichlorobenzene	7.469	146	242925	95.47	ug/ml	96
10) Hexachloroethane	7.922	117	97471	90.02	ug/ml	92
11) 2-Methylphenol	7.675	108	184839	96.07	ug/ml	97
12) 3&4-Methylphenol	7.892	108	201550	97.71	ug/ml	97
13) N-Nitrosodimethylamine	2.863	74	112626	101.32	ug/ml#	60
14) N-Nitroso-di-n-propyla...	7.892	70	135932	96.35	ug/ml#	63
15) Phenol	6.829	94	258954	101.05	ug/ml#	78
18) Aniline	6.805	93	266269m(5)	93.66	ug/ml	
19) Benzoic acid	8.868	122	122352	84.71	ug/ml#	100
20) Bis (2-chloroethoxy) m...	8.791	93	224496	99.48	ug/ml	98
21) 4-Chloroaniline	9.220	127	259464	99.35	ug/ml	96
22) 4-Chloro-3-methylphenol	9.990	107	176352	99.75	ug/ml	99
23) 2,4-Dichlorophenol	8.885	162	193023	102.20	ug/ml	99
24) 2,6-Dichlorophenol	9.226	162	194832	100.98	ug/ml	89
25) 2,4-Dimethylphenol	8.656	107	200757	101.16	ug/ml	97
26) Hexachlorobutadiene	9.397	225	137386	99.65	ug/ml	97
27) Isophorone	8.415	82	359834	98.91	ug/ml	98
28) 2-Methylnapthalene	10.113	142	435776	102.64	ug/ml	96
29) Naphthalene	9.079	128	624052	101.00	ug/ml	99
30) Nitrobenzene	8.051	77	219027	101.76	ug/ml	97
32) 2-Nitrophenol	8.527	139	120592	101.84	ug/ml	90
33) Azobenzene	12.757	77	439758	101.09	ug/ml	84
34) 1,2,4-Trichlorobenzene	9.009	180	230502	103.92	ug/ml	97
36) 2-Chloronaphthalene	10.830	162	423268m(5)	97.18	ug/ml	
37) Acenaphthene	11.741	153	436744	105.52	ug/ml	98

Quantitation Report (QT Reviewed)

Data File : C:\msdchem\1\DATA\111128\S60036.D Vial: 6
Acq On : 28 Nov 2011 10:46 am Operator: G.J.Brien
Sample : 8270 Cal L-4 100ppm Inst : 73SVOAV2
Misc : 11184

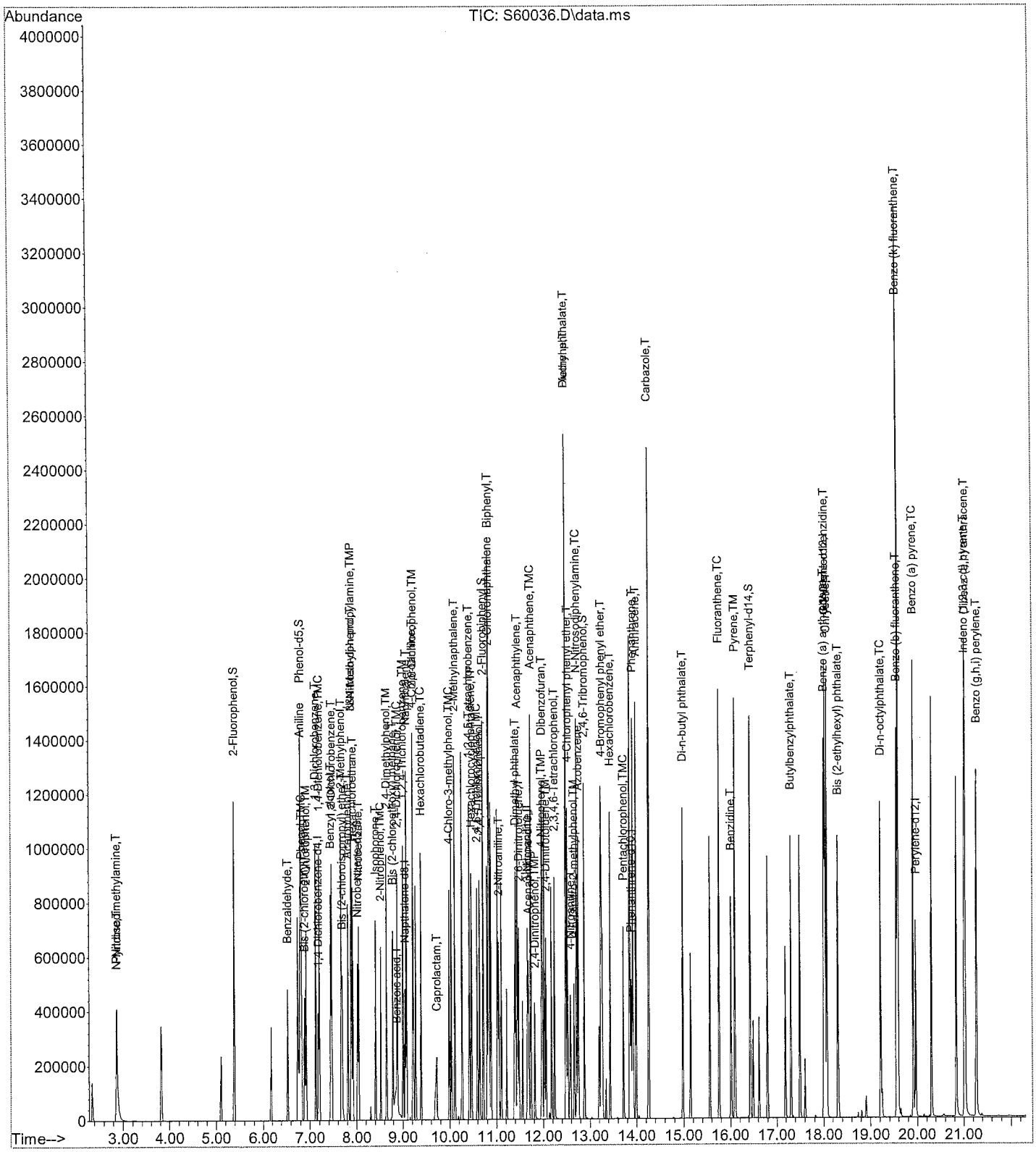
Quant Time: Nov 28 11:41:19 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 10:40:10 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) Acenaphthylene	11.453	152	668274	103.45	ug/ml	99
39) 4-Chlorophenyl phenyl ...	12.528	204	248552	101.68	ug/ml	97
40) Dibenzofuran	11.976	168	611548	102.93	ug/ml#	73
41) Diethyl phthalate	12.493	149	482234	100.65	ug/ml	98
42) Dimethyl phthalate	11.412	163	488519	100.03	ug/ml	99
43) 2,4-Dinitrophenol	11.823	184	71166	100.62	ug/ml	88
44) 2,4-Dinitrotoluene	12.058	165	149075	102.94	ug/ml	91
45) 2,6-Dinitrotoluene	11.488	165	112152	102.43	ug/ml	95
46) Fluorene	12.493	166	523902	104.43	ug/ml	96
48) Hexachlorocyclopentadiene	10.478	237	155086	101.39	ug/ml	98
49) 2-Nitroaniline	11.048	138	136530	101.36	ug/ml#	84
50) 3-Nitroaniline	11.670	138	118458	102.48	ug/ml	95
51) 4-Nitroaniline	12.593	138	112028	100.89	ug/ml	87
52) 4-Nitrophenol	11.964	65	88457	93.83	ug/ml#	1
54) 2,4,6-Trichlorophenol	10.595	196	135701	96.16	ug/ml	98
55) 2,4,5-Trichlorophenol	10.648	196	153834	98.46	ug/ml	96
57) 4-Bromophenyl phenyl e...	13.251	248	158016	107.13	ug/ml	94
58) Di-n-butyl phthalate	14.984	149	765677	94.80	ug/ml	99
59) 4,6-Dinitro-2-methylph...	12.663	198	94167	98.71	ug/ml	95
60) Fluoranthene	15.760	202	798466	102.57	ug/ml	97
61) Hexachlorobenzene	13.445	284	175160	113.32	ug/ml	92
62) N-Nitrosodiphenylamine	12.722	169	423266	101.53	ug/ml	99
63) Pentachlorophenol	13.721	266	102556	105.53	ug/ml	95
64) Anthracene	13.991	178	725242	100.90	ug/ml	99
65) Phenanthrene	13.921	178	701793	100.19	ug/ml	99
67) Benzidine	16.013	184	394691	160.70	ug/ml	97
68) Benzo (a) anthracene	18.010	228	775011	96.27	ug/ml	99
69) Bis (2-ethylhexyl) pht...	18.316	149	447896	86.05	ug/ml	97
70) Butylbenzylphthalate	17.311	149	328824	85.60	ug/ml	98
71) Chrysene	18.075	228	739268	94.97	ug/ml	99
72) 3,3'-Dichlorobenzidine	18.034	252	283142	99.44	ug/ml	98
73) Pyrene	16.101	202	822405	91.50	ug/ml	97
76) Benzo (b) fluoranthene	19.561	252	783775	98.28	ug/ml	99
77) Benzo (k) fluoranthene	19.591	252	848222	106.54	ug/ml	98
78) Benzo (g,h,i) perylene	21.283	276	694177	102.28	ug/ml	97
79) Benzo (a) pyrene	19.914	252	753608	103.29	ug/ml	98
80) Dibenz (a,h) anthracene	21.036	278	696952	109.04	ug/ml	98
81) Di-n-octylphthalate	19.221	149	734142	87.10	ug/ml	99
82) Indeno (1,2,3-cd) pyrene	21.019	138	277753	111.96	ug/ml#	84
83) Pyridine	2.869	79	192139	100.85	ug/ml	93
84) Biphenyl	10.842	154	541103	91.43	ug/ml	97
85) Acetophenone	7.816	105	276001	86.61	ug/ml	91
86) Atrazine	13.598	200	1068m	Below	Cal	
87) Caprolactam	9.720	55	79919	66.97	ug/ml#	85
88) Carbazole	14.267	167	1322320	90.39	ug/ml	98
89) Benzaldehyde	6.535	77	100604	77.45	ug/ml	98
90) 1,2,4,5-Tetrachloroben...	10.431	216	234239	95.51	ug/ml	98
91) 2,3,4,6-Tetrachlorophenol	12.240	232	127712	97.85	ug/ml	96

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

Data File : C:\msdchem\1\DATA\111128\S60036.D Vial: 6
Acq On : 28 Nov 2011 10:46 am Operator: G.J.Brien
Sample : 8270 Cal L-4 100ppm Inst : 73SVOAV2
Misc : 11184

Quant Time: Nov 28 11:41:19 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 10:40:10 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M



Quantitation Report (QT Reviewed)

Data File : C:\msdchem\1\DATA\111128\S60037.D Vial: 7
Acq On : 28 Nov 2011 11:17 am Operator: G.J.Brien
Sample : 8270 Cal L-5 150ppm Inst : 73SVOAV2
Misc : 11185

Quant Time: Nov 28 11:47:27 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 10:40:10 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.182	152	66892	40.00	ug/ml	0.00
17) Napthalene-d8	9.056	136	226620	40.00	ug/ml	0.00
35) Acenaphthene-d10	11.694	164	146299	40.00	ug/ml	0.00
56) Phenanthrene-d10	13.886	188	244144	40.00	ug/ml	0.00
66) Chrysene-d12	18.034	240	280603	40.00	ug/ml	0.00
75) Perylene-d12	19.979	264	236600	40.00	ug/ml	0.01
System Monitoring Compounds						
9) 2-Fluorophenol	5.390	112	579268	289.55	ug/ml	0.00
Spiked Amount 100.000	Range 0 - 110		Recovery = 289.55%#			
16) Phenol-d5	6.817	99	706690	302.23	ug/ml	0.02
Spiked Amount 100.000	Range 0 - 104		Recovery = 302.23%#			
31) Nitrobenzene-d5	8.028	82	315001	147.48	ug/ml	0.01
Spiked Amount 50.000	Range 44 - 101		Recovery = 294.96%#			
47) 2-Fluorobiphenyl	10.725	172	743969	155.80	ug/ml	0.00
Spiked Amount 50.000	Range 37 - 91		Recovery = 311.60%#			
53) 2,4,6-Tribromophenol	12.887	330	226048	356.15	ug/ml	0.01
Spiked Amount 100.000	Range 10 - 143		Recovery = 356.15%#			
74) Terphenyl-d14	16.436	244	849106	146.91	ug/ml	0.00
Spiked Amount 50.000	Range 56 - 112		Recovery = 293.82%#			
Target Compounds						Qvalue
2) Benzyl alcohol	7.452	108	187872	163.48	ug/ml	98
3) Bis (2-chloroethyl) ether	6.894	93	274581m	149.78	ug/ml	
4) Bis (2-chloroisopropyl...	7.693	45	363481	91.88	ug/ml	97
5) 2-Chlorophenol	6.923	128	300997	141.94	ug/ml	97
6) 1,3-Dichlorobenzene	7.123	146	360078	147.15	ug/ml	97
7) 1,4-Dichlorobenzene	7.205	146	363316	149.16	ug/ml	98
8) 1,2-Dichlorobenzene	7.470	146	342218	146.74	ug/ml	96
10) Hexachloroethane	7.922	117	137238	138.28	ug/ml	92
11) 2-Methylphenol	7.681	108	266774	151.28	ug/ml	98
12) 3&4-Methylphenol	7.898	108	287970	152.31	ug/ml	96
13) N-Nitrosodimethylamine	2.869	74	161505	158.52	ug/ml#	59
14) N-Nitroso-di-n-propyla...	7.898	70	197396	152.65	ug/ml#	61
15) Phenol	6.835	94	369806	157.45	ug/ml#	72
18) Aniline	6.829	93	355522m	133.48	ug/ml	
19) Benzoic acid	8.891	122	194190m	137.50	ug/ml	
20) Bis (2-chloroethoxy) m...	8.797	93	320481	151.58	ug/ml	98
21) 4-Chloroaniline	9.226	127	367354	150.14	ug/ml	96
22) 4-Chloro-3-methylphenol	9.996	107	252397	152.39	ug/ml	99
23) 2,4-Dichlorophenol	8.891	162	276111	156.05	ug/ml	99
24) 2,6-Dichlorophenol	9.232	162	282372	156.22	ug/ml	89
25) 2,4-Dimethylphenol	8.662	107	281541	151.43	ug/ml	98
26) Hexachlorobutadiene	9.397	225	194044	150.23	ug/ml	96
27) Isophorone	8.421	82	502559	147.46	ug/ml	99
28) 2-Methylnapthalene	10.119	142	620688	156.06	ug/ml	96
29) Naphthalene	9.085	128	877027	151.51	ug/ml	99
30) Nitrobenzene	8.057	77	310495	153.98	ug/ml	97
32) 2-Nitrophenol	8.533	139	174701	157.48	ug/ml	90
33) Azobenzene	12.763	77	627627	154.00	ug/ml	84
34) 1,2,4-Trichlorobenzene	9.009	180	323878	155.86	ug/ml	97
36) 2-Chloronaphthalene	10.836	162	580730m	142.37	ug/ml	
37) Acenaphthene	11.741	153	622098	160.48	ug/ml	98

Quantitation Report (QT Reviewed)

Data File : C:\msdchem\1\DATA\111128\S60037.D
Acq On : 28 Nov 2011 11:17 am
Sample : 8270 Cal L-5 150ppm
Misc : 11185

Vial: 7
Operator: G.J.Brien
Inst : 73SVOAV2

Quant Time: Nov 28 11:47:27 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 10:40:10 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
38) Acenaphthylene	11.459	152	936983	154.87 ug/ml	99
39) 4-Chlorophenyl phenyl ...	12.528	204	350446	153.07 ug/ml	98
40) Dibenzofuran	11.982	168	865870	155.62 ug/ml#	71
41) Diethyl phthalate	12.499	149	686311	152.95 ug/ml	98
42) Dimethyl phthalate	11.418	163	685722	149.93 ug/ml	100
43) 2,4-Dinitrophenol	11.829	184	107234	152.38 ug/ml	86
44) 2,4-Dinitrotoluene	12.064	165	209973	154.82 ug/ml	93
45) 2,6-Dinitrotoluene	11.494	165	158798	154.86 ug/ml	95
46) Fluorene	12.493	166	740715	157.66 ug/ml	97
48) Hexachlorocyclopentadiene	10.484	237	220458	153.89 ug/ml	97
49) 2-Nitroaniline	11.054	138	193891	153.69 ug/ml#	85
50) 3-Nitroaniline	11.676	138	167056	154.31 ug/ml	96
51) 4-Nitroaniline	12.605	138	161030	154.84 ug/ml	88
52) 4-Nitrophenol	11.976	65	127775	144.73 ug/ml#	1
54) 2,4,6-Trichlorophenol	10.601	196	196272	148.51 ug/ml	99
55) 2,4,5-Trichlorophenol	10.654	196	221066	151.07 ug/ml	97
57) 4-Bromophenyl phenyl e...	13.251	248	230453	166.31 ug/ml	93
58) Di-n-butyl phthalate	14.984	149	1094945	144.31 ug/ml	98
59) 4,6-Dinitro-2-methylph...	12.675	198	137321	145.49 ug/ml	95
60) Fluoranthene	15.766	202	1119791	153.12 ug/ml	97
61) Hexachlorobenzene	13.451	284	248813	171.34 ug/ml	92
62) N-Nitrosodiphenylamine	12.728	169	592166	151.20 ug/ml	98
63) Pentachlorophenol	13.721	266	153498	168.12 ug/ml	98
64) Anthracene	13.997	178	1010142	149.60 ug/ml	98
65) Phenanthrene	13.927	178	993412	150.96 ug/ml	99
67) Benzidine	16.013	184	316932	122.17 ug/ml	97
68) Benzo (a) anthracene	18.016	228	1095063	141.68 ug/ml	99
69) Bis (2-ethylhexyl) pht...	18.316	149	658231	131.72 ug/ml	97
70) Butylbenzylphthalate	17.317	149	476675	129.25 ug/ml	98
71) Chrysene	18.081	228	1038630	138.98 ug/ml	98
72) 3,3'-Dichlorobenzidine	18.040	252	393008	143.76 ug/ml	98
73) Pyrene	16.107	202	1151171	133.41 ug/ml	97
76) Benzo (b) fluoranthene	19.567	252	1253189	166.90 ug/ml	95
77) Benzo (k) fluoranthene	19.603	252	1064626m	142.03 ug/ml	
78) Benzo (g,h,i) perylene	21.295	276	1004999	157.26 ug/ml	97
79) Benzo (a) pyrene	19.926	252	1075983	156.63 ug/ml	97
80) Dibenz (a,h) anthracene	21.054	278	1029514	171.08 ug/ml	96
81) Di-n-octylphthalate	19.221	149	1075697	135.55 ug/ml	98
82) Indeno (1,2,3-cd) pyrene	21.036	138	412207	176.48 ug/ml#	83
83) Pyridine	2.875	79	260927	138.45 ug/ml	92
84) Biphenyl	10.848	154	768367	137.89 ug/ml	96
85) Acetophenone	7.822	105	390564	130.17 ug/ml	91
87) Caprolactam	9.743	55	114880	102.24 ug/ml#	85
88) Carbazole	14.273	167	1862096	135.20 ug/ml	98
89) Benzaldehyde	6.535	77	104717	91.06 ug/ml	97
90) 1,2,4,5-Tetrachloroben...	10.437	216	335999	145.52 ug/ml	97
91) 2,3,4,6-Tetrachlorophenol	12.246	232	188358	153.27 ug/ml	94

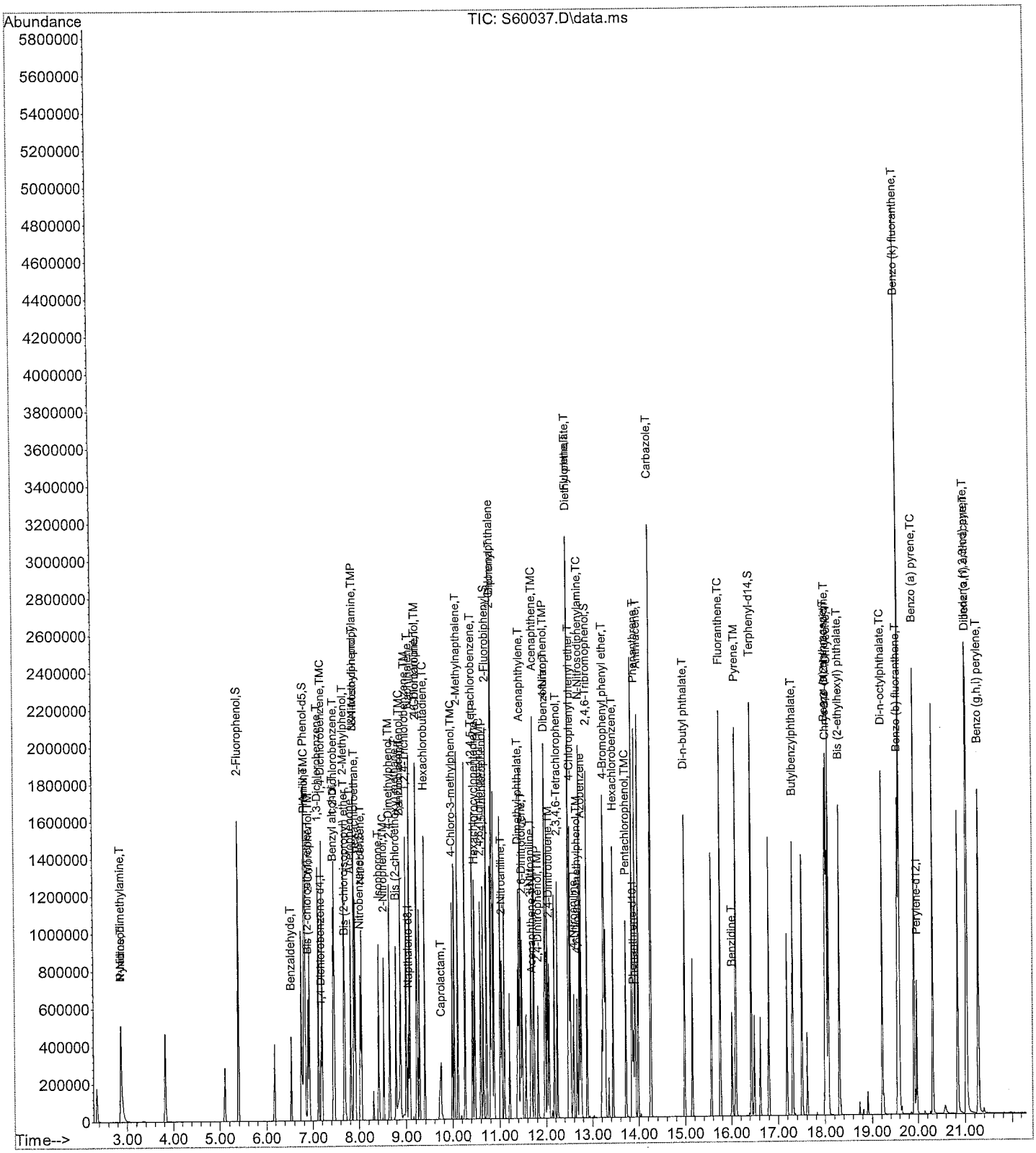
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\msdchem\1\DATA\111128\S60037.D
Acq On : 28 Nov 2011 11:17 am
Sample : 8270 Cal L-5 150ppm
Misc : 11185

Vial: 7
Operator: G.J.Brien
Inst : 73SVOAV2

Quant Time: Nov 28 11:47:27 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 10:40:10 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M



Quantitation Report (QT Reviewed)

Data File : C:\msdchem\1\DATA\111128\S60038.D Vial: 8
Acq On : 28 Nov 2011 11:48 am Operator: G.J.Brien
Sample : 8270 Cal L-6 200ppm Inst : 73SVOAV2
Misc : 11186

Quant Time: Nov 28 12:17:54 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 10:40:10 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.182	152	60790	40.00	ug/ml	0.00
17) Napthalene-d8	9.056	136	206569	40.00	ug/ml	0.00
35) Acenaphthene-d10	11.694	164	135659	40.00	ug/ml	0.00
56) Phenanthrene-d10	13.892	188	224722	40.00	ug/ml	0.01
66) Chrysene-d12	18.040	240	260505	40.00	ug/ml	0.01
75) Perylene-d12	19.979	264	216819	40.00	ug/ml	0.01
System Monitoring Compounds						
9) 2-Fluorophenol	5.395	112	733349	403.36	ug/ml	0.01
Spiked Amount 100.000	Range 0 - 110		Recovery =	403.36%#		
16) Phenol-d5	6.823	99	898962	423.05	ug/ml	0.02
Spiked Amount 100.000	Range 0 - 104		Recovery =	423.05%#		
31) Nitrobenzene-d5	8.034	82	400532	205.73	ug/ml	0.02
Spiked Amount 50.000	Range 44 - 101		Recovery =	411.46%#		
47) 2-Fluorobiphenyl	10.730	172	932013	210.49	ug/ml	0.01
Spiked Amount 50.000	Range 37 - 91		Recovery =	420.98%#		
53) 2,4,6-Tribromophenol	12.893	330	290761	494.03	ug/ml	0.02
Spiked Amount 100.000	Range 10 - 143		Recovery =	494.03%#		
74) Terphenyl-d14	16.442	244	1075590	200.46	ug/ml	0.01
Spiked Amount 50.000	Range 56 - 112		Recovery =	400.92%#		
Target Compounds						Qvalue
2) Benzyl alcohol	7.458	108	239567	229.39	ug/ml	98
3) Bis (2-chloroethyl) ether	6.894	93	342583m	205.64	ug/ml	
4) Bis (2-chloroisopropyl...	7.699	45	467209	129.95	ug/ml	99
5) 2-Chlorophenol	6.929	128	378943	196.64	ug/ml	99
6) 1,3-Dichlorobenzene	7.129	146	454087	204.20	ug/ml	97
7) 1,4-Dichlorobenzene	7.205	146	456548	206.25	ug/ml	98
8) 1,2-Dichlorobenzene	7.470	146	434414	204.96	ug/ml	97
10) Hexachloroethane	7.922	117	176104	195.26	ug/ml	91
11) 2-Methylphenol	7.681	108	346396	216.15	ug/ml	98
12) 3&4-Methylphenol	7.904	108	369860	215.26	ug/ml	96
13) N-Nitrosodimethylamine	2.875	74	204100	220.44	ug/ml#	59
14) N-Nitroso-di-n-propyla...	7.904	70	255318	217.25	ug/ml#	61
15) Phenol	6.841	94	471687	220.98	ug/ml#	57
18) Aniline	6.806	93	411409m	169.46	ug/ml	
19) Benzoic acid	8.927	122	257052m	195.75	ug/ml	
20) Bis (2-chloroethoxy) m...	8.797	93	409116	212.29	ug/ml	98
21) 4-Chloroaniline	9.226	127	455483	204.23	ug/ml	96
22) 4-Chloro-3-methylphenol	9.996	107	321433	212.91	ug/ml	100
23) 2,4-Dichlorophenol	8.897	162	350491	217.32	ug/ml	98
24) 2,6-Dichlorophenol	9.232	162	354265	215.02	ug/ml	89
25) 2,4-Dimethylphenol	8.662	107	361015	213.03	ug/ml	98
26) Hexachlorobutadiene	9.397	225	244742	207.88	ug/ml	96
27) Isophorone	8.427	82	637190	205.11	ug/ml	99
28) 2-Methylnapthalene	10.119	142	780470	215.28	ug/ml	97
29) Naphthalene	9.085	128	1103915	209.22	ug/ml	99
30) Nitrobenzene	8.063	77	388921	211.59	ug/ml	97
32) 2-Nitrophenol	8.533	139	223521	221.05	ug/ml	90
33) Azobenzene	12.763	77	871864	234.70	ug/ml#	74
34) 1,2,4-Trichlorobenzene	9.009	180	412996	218.04	ug/ml	96
36) 2-Chloronaphthalene	10.836	162	743442m	196.55	ug/ml	
37) Acenaphthene	11.747	153	779273	216.80	ug/ml	98

Quantitation Report (QT Reviewed)

Data File : C:\msdchem\1\DATA\111128\S60038.D Vial: 8
Acq On : 28 Nov 2011 11:48 am Operator: G.J.Brien
Sample : 8270 Cal L-6 200ppm Inst : 73SVOAV2
Misc : 11186

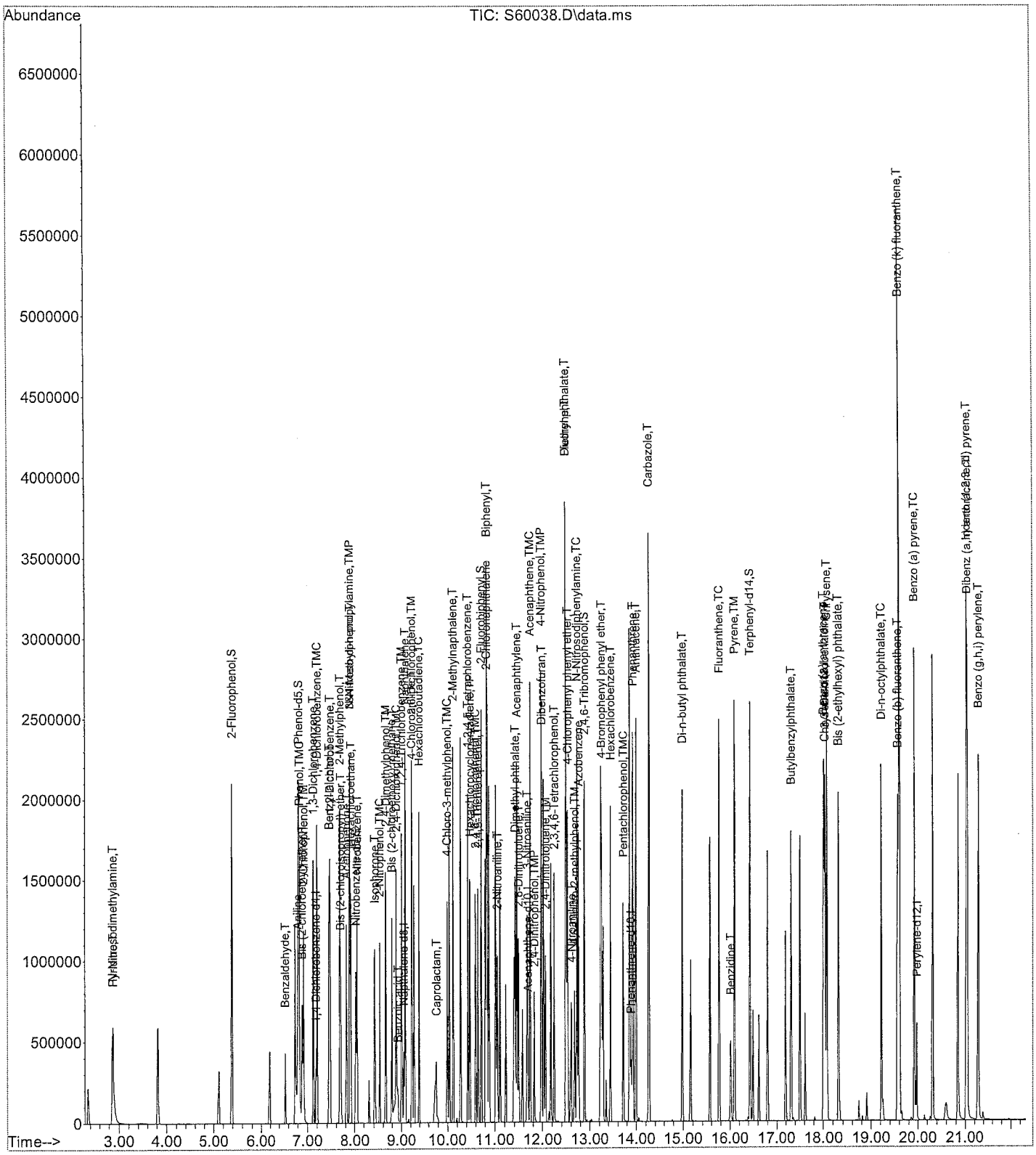
Quant Time: Nov 28 12:17:54 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 10:40:10 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) Acenaphthylene	11.459	152	1183835	211.02	ug/ml	99
39) 4-Chlorophenyl phenyl ...	12.534	204	444744	209.50	ug/ml	97
40) Dibenzofuran	11.988	168	1099952	213.19	ug/ml#	72
41) Diethyl phthalate	12.499	149	866619	208.29	ug/ml	98
42) Dimethyl phthalate	11.424	163	870880	205.35	ug/ml	100
43) 2,4-Dinitrophenol	11.835	184	140690	205.54	ug/ml	87
44) 2,4-Dinitrotoluene	12.070	165	264326	210.18	ug/ml	93
45) 2,6-Dinitrotoluene	11.500	165	203266	213.77	ug/ml	97
46) Fluorene	12.499	166	931592	213.84	ug/ml	97
48) Hexachlorocyclopentadiene	10.484	237	272976	205.50	ug/ml	97
49) 2-Nitroaniline	11.060	138	249964	213.68	ug/ml#	83
50) 3-Nitroaniline	11.682	138	211868	211.06	ug/ml	96
51) 4-Nitroaniline	12.617	138	201493	208.95	ug/ml	88
52) 4-Nitrophenol	11.982	65	165577	202.25	ug/ml#	1
54) 2,4,6-Trichlorophenol	10.601	196	251190	204.97	ug/ml	100
55) 2,4,5-Trichlorophenol	10.660	196	279961	206.33	ug/ml	98
57) 4-Bromophenyl phenyl e...	13.251	248	288697	226.35	ug/ml	93
58) Di-n-butyl phthalate	14.990	149	1371291	196.35	ug/ml	99
59) 4,6-Dinitro-2-methylph...	12.681	198	177325	195.37	ug/ml	95
60) Fluoranthene	15.772	202	1390454	206.56	ug/ml	96
61) Hexachlorobenzene	13.451	284	317013	237.17	ug/ml	92
62) N-Nitrosodiphenylamine	12.734	169	747520	207.37	ug/ml	99
63) Pentachlorophenol	13.727	266	203672	242.35	ug/ml	97
64) Anthracene	14.003	178	1269922	204.32	ug/ml	97
65) Phenanthrene	13.933	178	1246418	205.78	ug/ml	99
67) Benzidine	16.018	184	328562	143.88	ug/ml	97
68) Benzo (a) anthracene	18.016	228	1375786	191.74	ug/ml	99
69) Bis (2-ethylhexyl) pht...	18.316	149	836247	180.26	ug/ml	98
70) Butylbenzylphthalate	17.317	149	604879	176.66	ug/ml	98
71) Chrysene	18.087	228	1309332	188.71	ug/ml	98
72) 3,3'-Dichlorobenzidine	18.046	252	479141	188.79	ug/ml	99
73) Pyrene	16.107	202	1433091	178.89	ug/ml	96
76) Benzo (b) fluoranthene	19.573	252	1458755m	212.01	ug/ml	
77) Benzo (k) fluoranthene	19.608	252	1467790m	213.68	ug/ml	
78) Benzo (g,h,i) perylene	21.295	276	1289623	220.21	ug/ml	96
79) Benzo (a) pyrene	19.926	252	1357758	215.67	ug/ml	97
80) Dibenz (a,h) anthracene	21.048	278	1327624	240.74	ug/ml	96
81) Di-n-octylphthalate	19.227	149	1378946	189.62	ug/ml	98
82) Indeno (1,2,3-cd) pyrene	21.036	138	538837	251.74	ug/ml#	81
83) Pyridine	2.881	79	329259	182.07	ug/ml	92
84) Biphenyl	10.848	154	966734	189.32	ug/ml	96
85) Acetophenone	7.828	105	494245m	179.76	ug/ml	
87) Caprolactam	9.767	55	144501m	140.34	ug/ml	
88) Carbazole	14.279	167	2324794	184.19	ug/ml	97
89) Benzaldehyde	6.535	77	102982	104.31	ug/ml	96
90) 1,2,4,5-Tetrachloroben...	10.437	216	417229	197.18	ug/ml	98
91) 2,3,4,6-Tetrachlorophenol	12.252	232	235216	208.86	ug/ml	96

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

Data File : C:\msdchem\1\DATA\111128\S60038.D Vial: 8
Acq On : 28 Nov 2011 11:48 am Operator: G.J.Brien
Sample : 8270 Cal L-6 200ppm Inst : 73SVOAV2
Misc : 11186

Quant Time: Nov 28 12:17:54 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 10:40:10 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M



Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\111129\S60097.D Vial: 11
Acq On : 30 Nov 2011 12:13 pm Operator: G.J.Brien
Sample : 8270 CCal 50ppm Inst : 73SVOAV2
Misc : 11187B

Quant Time: Nov 30 12:52:01 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 12:39:56 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

11/30/11

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	90	0.00
2	T	Benzyl alcohol	0.677	0.751	-10.9	97	0.00
3	T	Bis (2-chloroethyl) ether	1.007	1.047	-4.0	97	0.00
4	T	Bis (2-chloroisopropyl) eth	1.403	1.745	-24.4	113	0.00
5	TM	2-Chlorophenol	1.153	1.199	-4.0	92	0.00
6	T	1,3-Dichlorobenzene	1.417	1.426	-0.6	91	0.00
7	TMC	1,4-Dichlorobenzene	1.414	1.429	-1.1	91	0.00
8	T	1,2-Dichlorobenzene	1.347	1.360	-1.0	91	0.00
9	S	2-Fluorophenol	1.099	1.147	-4.4	94	0.00
10	T	Hexachloroethane	0.527	0.553	-4.9	96	0.00
11	T	2-Methylphenol	1.005	1.081	-7.6	97	0.00
12	T	3&4-Methylphenol	1.082	1.144	-5.7	97	0.00
13	T	N-Nitrosodimethylamine	0.602	0.667	-10.8	99	0.00
14	TMP	N-Nitroso-di-n-propylamine	0.742	0.845	-13.9	104	0.00
15	TMC	Phenol	1.386	1.491	-7.6	100	0.00
16	S	Phenol-d5	1.352	1.470	-8.7	99	0.00
17	I	Napthalene-d8	1.000	1.000	0.0	92	0.00
18		Aniline	0.438	0.502	-14.6	99	0.00
19	T	Benzoic acid	0.170	0.166	2.4	89	0.00
20	T	Bis (2-chloroethoxy) methan	0.366	0.393	-7.4	99	0.00
21	T	4-Chloroaniline	0.422	0.446	-5.7	95	0.00
22	TMC	4-Chloro-3-methylphenol	0.276	0.300	-8.7	98	0.00
23	TMC	2,4-Dichlorophenol	0.312	0.307	1.6	89	0.00
24	TM	2,6-Dichlorophenol	0.314	0.307	2.2	92	0.00
25	TM	2,4-Dimethylphenol	0.319	0.337	-5.6	94	0.00
26	TC	Hexachlorobutadiene	0.224	0.207	7.6	85	0.00
27	T	Isophorone	0.569	0.633	-11.2	101	0.00
28	T	2-Methylnapthalene	0.718	0.731	-1.8	93	0.00
29	T	Naphthalene	1.030	1.072	-4.1	96	0.00
30	T	Nitrobenzene	0.355	0.383	-7.9	99	0.00
31	S	Nitrobenzene-d5	0.354	0.388	-9.6	99	0.00
32	TMC	2-Nitrophenol	0.187	0.189	-1.1	91	0.00
33		Azobenzene	0.728	0.800	-9.9	103	0.00
34	TM	1,2,4-Trichlorobenzene	0.379	0.360	5.0	89	0.00
35	I	Acenaphthene-d10	1.000	1.000	0.0	89	0.00
36		2-Chloronaphthalene	1.069	1.092	-2.2	90	0.00
37	TMC	Acenaphthene	1.107	1.170	-5.7	94	0.00
38	T	Acenaphthylene	1.683	1.788	-6.2	93	0.00
39	T	4-Chlorophenyl phenyl ether	0.635	0.617	2.8	88	0.00
40	T	Dibenzofuran	1.568	1.578	-0.6	91	0.00
41	T	Diethyl phthalate	1.193	1.257	-5.4	94	0.00
42	T	Dimethyl phthalate	1.237	1.249	-1.0	89	0.00
43	TMP	2,4-Dinitrophenol	0.150	0.133	11.3	77	0.00
44	TM	2,4-Dinitrotoluene	0.361	0.364	-0.8	90	0.00
45	T	2,6-Dinitrotoluene	0.279	0.281	-0.7	90	0.00
46	T	Fluorene	1.312	1.338	-2.0	91	0.00
47	S	2-Fluorobiphenyl	1.352	1.366	-1.0	89	0.00
48	TP	Hexachlorocyclopentadiene	0.369	0.336	8.9	78	0.00

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\111129\S60097.D Vial: 11
Acq On : 30 Nov 2011 12:13 pm Operator: G.J.Brien
Sample : 8270 CCal 50ppm Inst : 73SVOAV2
Misc : 11187B

Quant Time: Nov 30 12:52:01 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 12:39:56 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	2-Nitroaniline	0.327	0.350	-7.0	94	0.00
50	T	3-Nitroaniline	0.286	0.297	-3.8	91	0.00
51	T	4-Nitroaniline	0.271	0.293	-8.1	95	0.00
52	TMP	4-Nitrophenol	0.207	0.241	-16.4	103	0.00
53	S	2,4,6-Tribromophenol	0.189	0.190	-0.5	90	0.00
54	TMC	2,4,6-Trichlorophenol	0.340	0.332	2.4	87	0.00
55	T	2,4,5-Trichlorophenol	0.381	0.380	0.3	90	0.00
56	I	Phenanthrene-d10	1.000	1.000	0.0	86	0.00
57	T	4-Bromophenyl phenyl ether	0.241	0.239	0.8	87	0.00
58	T	Di-n-butyl phthalate	1.064	1.175	-10.4	93	0.00
59	TM	4,6-Dinitro-2-methylphenol	0.123	0.115	6.5	81	0.00
60	TC	Fluoranthene	1.170	1.210	-3.4	89	0.00
61	T	Hexachlorobenzene	0.261	0.261	0.0	88	0.00
62	TC	N-Nitrosodiphenylamine	0.629	0.656	-4.3	91	0.00
63	TMC	Pentachlorophenol	0.144	0.141	2.1	89	0.00
64	T	Anthracene	1.077	1.130	-4.9	91	0.00
65	T	Phenanthrene	1.069	1.113	-4.1	90	0.00
66	I	Chrysene-d12	1.000	1.000	0.0	87	0.00
67	T	Benzidine	0.375	0.415	-10.7	85	0.00
68	T	Benzo (a) anthracene	0.995	1.045	-5.0	89	0.00
69	T	Bis (2-ethylhexyl) phthalat	0.536	0.578	-7.8	89	0.00
70	T	Butylbenzylphthalate	0.400	0.448	-12.0	93	0.00
71	T	Chrysene	1.002	1.024	-2.2	87	0.00
72	T	3,3'-Dichlorobenzidine	0.357	0.384	-7.6	87	0.00
73	TM	Pyrene	1.107	1.158	-4.6	88	0.00
74	S	Terphenyl-d14	0.799	0.810	-1.4	86	0.00
75	I	Perylene-d12	1.000	1.000	0.0	86	0.00
76	T	Benzo (b) fluoranthene	1.211	1.086	10.3	76	0.00
77	T	Benzo (k) fluoranthene	1.272	1.438	-13.1	96	0.00
78	T	Benzo (g,h,i) perylene	1.048	1.033	1.4	85	0.01
79	TC	Benzo (a) pyrene	1.099	1.105	-0.5	85	0.00
80	T	Dibenz (a,h) anthracene	1.055	1.035	1.9	86	0.01
81	TC	Di-n-octylphthalate	0.968	0.968	0.0	82	0.00
82	T	Indeno (1,2,3-cd) pyrene	0.413	0.420	-1.7	91	0.01
83	T	Pyridine	0.284	0.347	-22.2	103	0.00
84	T	Biphenyl	0.849	0.903	-6.4	93	0.00
85	T	Acetophenone	0.425	0.479	-12.7	96	0.00
86	T	Atrazine	0.172	0.065	62.2#	0#	0.00
87	T	Caprolactam	0.115	0.151	-31.3#	110	0.00
88	T	Carbazole	2.085	2.245	-7.7	91	0.00
89	T	Benzaldehyde	0.166	0.234	-41.0#	100	0.00
90	T	1,2,4,5-Tetrachlorobenzene	0.370	0.367	0.8	86	0.00
91	T	2,3,4,6-Tetrachlorophenol	0.200	0.195	2.5	87	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : C:\msdchem\1\DATA\111129\S60097.D Vial: 11
Acq On : 30 Nov 2011 12:13 pm Operator: G.J.Brien
Sample : 8270 CCal 50ppm Inst : 73SVOAV2
Misc : 11187B

Quant Time: Nov 30 12:52:01 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 12:39:56 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.176	152	61617	40.00	ug/ml	0.00
17) Napthalene-d8	9.050	136	212055	40.00	ug/ml	0.00
35) Acenaphthene-d10	11.688	164	133141	40.00	ug/ml	0.00
56) Phenanthrene-d10	13.880	188	220889	40.00	ug/ml	0.00
66) Chrysene-d12	18.028	240	239867	40.00	ug/ml	0.00
75) Perylene-d12	19.973	264	207981	40.00	ug/ml	0.00
System Monitoring Compounds						
9) 2-Fluorophenol	5.384	112	176740	104.38	ug/ml	0.00
Spiked Amount 100.000	Range 0 - 110		Recovery = 104.38%			
16) Phenol-d5	6.800	99	226397	108.73	ug/ml	0.00
Spiked Amount 100.000	Range 0 - 104		Recovery = 108.73%#			
31) Nitrobenzene-d5	8.016	82	102903	54.82	ug/ml	0.00
Spiked Amount 50.000	Range 44 - 101		Recovery = 109.64%#			
47) 2-Fluorobiphenyl	10.719	172	227300	50.49	ug/ml	0.00
Spiked Amount 50.000	Range 37 - 91		Recovery = 100.98%#			
53) 2,4,6-Tribromophenol	12.875	330	63307	100.78	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 143		Recovery = 100.78%			
74) Terphenyl-d14	16.430	244	242742	50.65	ug/ml	0.00
Spiked Amount 50.000	Range 56 - 112		Recovery = 101.30%			
Target Compounds						Qvalue
2) Benzyl alcohol	7.440	108	57875	55.66	ug/ml	95
3) Bis (2-chloroethyl) ether	6.882	93	80622	51.99	ug/ml	98
4) Bis (2-chloroisopropyl...	7.687	45	134403	62.19	ug/ml	99
5) 2-Chlorophenol	6.917	128	92357	52.02	ug/ml	98
6) 1,3-Dichlorobenzene	7.117	146	109847	50.32	ug/ml	98
7) 1,4-Dichlorobenzene	7.199	146	110030	50.53	ug/ml	99
8) 1,2-Dichlorobenzene	7.464	146	104739	50.49	ug/ml	97
10) Hexachloroethane	7.922	117	42573	52.45	ug/ml	99
11) 2-Methylphenol	7.663	108	83245	53.79	ug/ml	97
12) 3&4-Methylphenol	7.887	108	88117	52.87	ug/ml	94
13) N-Nitrosodimethylamine	2.863	74	51350	55.37	ug/ml#	64
14) N-Nitroso-di-n-propyla...	7.881	70	65110	56.99	ug/ml#	67
15) Phenol	6.817	94	114804	53.76	ug/ml#	78
18) Aniline	6.764	93	133120	57.32	ug/ml	91
19) Benzoic acid	8.815	122	43920	48.90	ug/ml#	100
20) Bis (2-chloroethoxy) m...	8.780	93	104241	53.74	ug/ml	98
21) 4-Chloroaniline	9.209	127	118288	52.83	ug/ml	98
22) 4-Chloro-3-methylphenol	9.978	107	79551	54.33	ug/ml	96
23) 2,4-Dichlorophenol	8.880	162	81381	49.22	ug/ml	97
24) 2,6-Dichlorophenol	9.220	162	81460	48.97	ug/ml	99
25) 2,4-Dimethylphenol	8.651	107	89245	52.80	ug/ml	98
26) Hexachlorobutadiene	9.391	225	54804	46.09	ug/ml	96
27) Isophorone	8.404	82	167730	55.61	ug/ml	97
28) 2-Methylnapthalene	10.114	142	193791	50.92	ug/ml	97
29) Naphthalene	9.079	128	284101	52.02	ug/ml	99
30) Nitrobenzene	8.045	77	101499	53.87	ug/ml	93
32) 2-Nitrophenol	8.521	139	50007	50.51	ug/ml	96
33) Azobenzene	12.752	77	212132	54.99	ug/ml	84
34) 1,2,4-Trichlorobenzene	9.003	180	95333	47.47	ug/ml	97
36) 2-Chloronaphthalene	10.825	162	181780	51.10	ug/ml	99
37) Acenaphthene	11.729	153	194738	52.83	ug/ml	97

Data File : C:\msdchem\1\DATA\111129\S60097.D Vial: 11
Acq On : 30 Nov 2011 12:13 pm Operator: G.J.Brien
Sample : 8270 CCal 50ppm Inst : 73SVOAV2
Misc : 11187B

Quant Time: Nov 30 12:52:01 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 12:39:56 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) Acenaphthylene	11.447	152	297563	53.13	ug/ml	99
39) 4-Chlorophenyl phenyl ...	12.523	204	102630	48.59	ug/ml	99
40) Dibenzofuran	11.970	168	262592	50.31	ug/ml#	72
41) Diethyl phthalate	12.481	149	209241	52.70	ug/ml	99
42) Dimethyl phthalate	11.406	163	207808	50.47	ug/ml	99
43) 2,4-Dinitrophenol	11.812	184	22095	43.74	ug/ml	91
44) 2,4-Dinitrotoluene	12.053	165	60530	50.31	ug/ml	99
45) 2,6-Dinitrotoluene	11.477	165	46706	50.33	ug/ml	95
46) Fluorene	12.487	166	222618	50.96	ug/ml	96
48) Hexachlorocyclopentadiene	10.478	237	55948	45.53	ug/ml	97
49) 2-Nitroaniline	11.036	138	58209	53.45	ug/ml#	84
50) 3-Nitroaniline	11.659	138	49405	51.88	ug/ml	97
51) 4-Nitroaniline	12.570	138	48793	54.03	ug/ml	94
52) 4-Nitrophenol	11.953	65	40039	54.80	ug/ml#	1
54) 2,4,6-Trichlorophenol	10.589	196	55318	48.92	ug/ml	99
55) 2,4,5-Trichlorophenol	10.642	196	63249	49.82	ug/ml	98
57) 4-Bromophenyl phenyl e...	13.245	248	65873	49.46	ug/ml	95
58) Di-n-butyl phthalate	14.979	149	324370	52.23	ug/ml	100
59) 4,6-Dinitro-2-methylph...	12.652	198	31772	45.66	ug/ml	95
60) Fluoranthene	15.754	202	334124	51.73	ug/ml	97
61) Hexachlorobenzene	13.439	284	72143	50.09	ug/ml	94
62) N-Nitrosodiphenylamine	12.711	169	181003	52.10	ug/ml	98
63) Pentachlorophenol	13.715	266	38868	50.26	ug/ml	96
64) Anthracene	13.980	178	311996	52.44	ug/ml	99
65) Phenanthrene	13.915	178	307353	52.05	ug/ml	99
67) Benzidine	16.007	184	124543	40.28	ug/ml	95
68) Benzo (a) anthracene	18.004	228	313361	52.53	ug/ml	99
69) Bis (2-ethylhexyl) pht...	18.316	149	173194	50.21	ug/ml	94
70) Butylbenzylphthalate	17.311	149	134345	52.50	ug/ml	94
71) Chrysene	18.069	228	307084	51.09	ug/ml	99
72) 3,3'-Dichlorobenzidine	18.034	252	115050	53.68	ug/ml	98
73) Pyrene	16.095	202	347071	52.27	ug/ml	95
76) Benzo (b) fluoranthene	19.556	252	282310	44.84	ug/ml	100
77) Benzo (k) fluoranthene	19.585	252	373761	56.51	ug/ml	99
78) Benzo (g,h,i) perylene	21.283	276	268465	49.24	ug/ml	96
79) Benzo (a) pyrene	19.914	252	287373	50.28	ug/ml	97
80) Dibenz (a,h) anthracene	21.042	278	269186	49.07	ug/ml	95
81) Di-n-octylphthalate	19.221	149	251570	46.36	ug/ml	99
82) Indeno (1,2,3-cd) pyrene	21.025	138	109114	52.10	ug/ml#	82
83) Pyridine	2.875	79	90261	61.19	ug/ml	91
84) Biphenyl	10.836	154	234870	53.24	ug/ml	98
85) Acetophenone	7.810	105	124494	56.28	ug/ml	89
86) Atrazine	13.592	200	16827	18.82	ug/ml#	100
87) Caprolactam	9.661	55	39187	62.09	ug/ml#	51
88) Carbazole	14.256	167	583618	53.83	ug/ml	98
89) Benzaldehyde	6.535	77	60918	65.19	ug/ml	92
90) 1,2,4,5-Tetrachloroben...	10.431	216	95483	49.68	ug/ml	99
91) 2,3,4,6-Tetrachlorophenol	12.235	232	50653	48.76	ug/ml	96

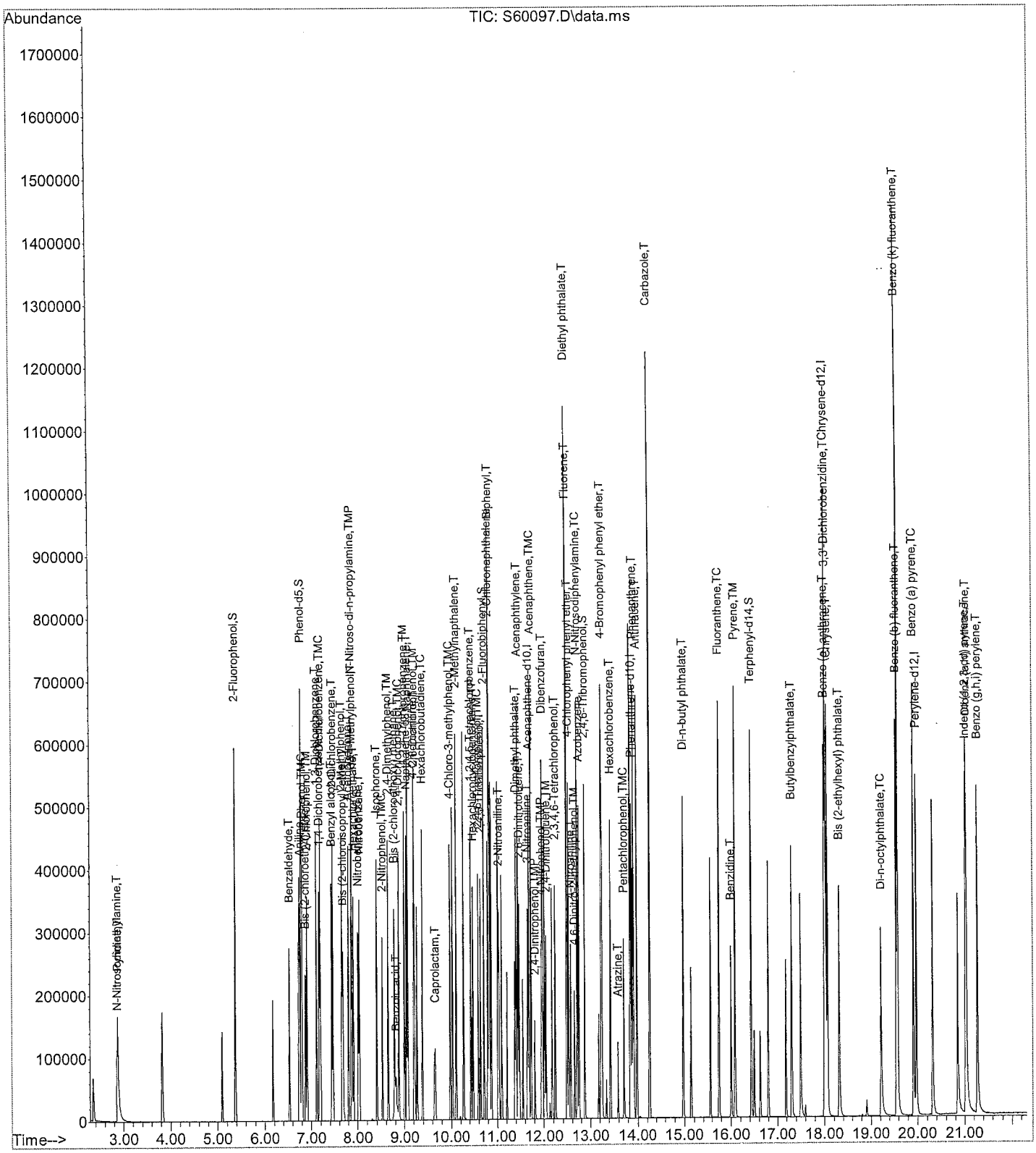
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\msdchem\1\DATA\111129\S60097.D
Acq On : 30 Nov 2011 12:13 pm
Sample : 8270 CCal 50ppm
Misc : 11187B

Vial: 11
Operator: G.J.Brien
Inst : 73SVOAV2

Quant Time: Nov 30 12:52:01 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 12:39:56 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M



Quantitation Report (QT Reviewed)

Data File : C:\msdchem\1\DATA\111129\S60111.D Vial: 100
Acq On : 30 Nov 2011 1:47 pm Operator: G.J.Brien
Sample : 8270 Extras @ 10ppm Inst : 73SVOAV2
Misc : 11087A

Quant Time: Nov 30 15:07:40 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 12:39:56 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M

✓

11/30/11 OK ATRAZINE

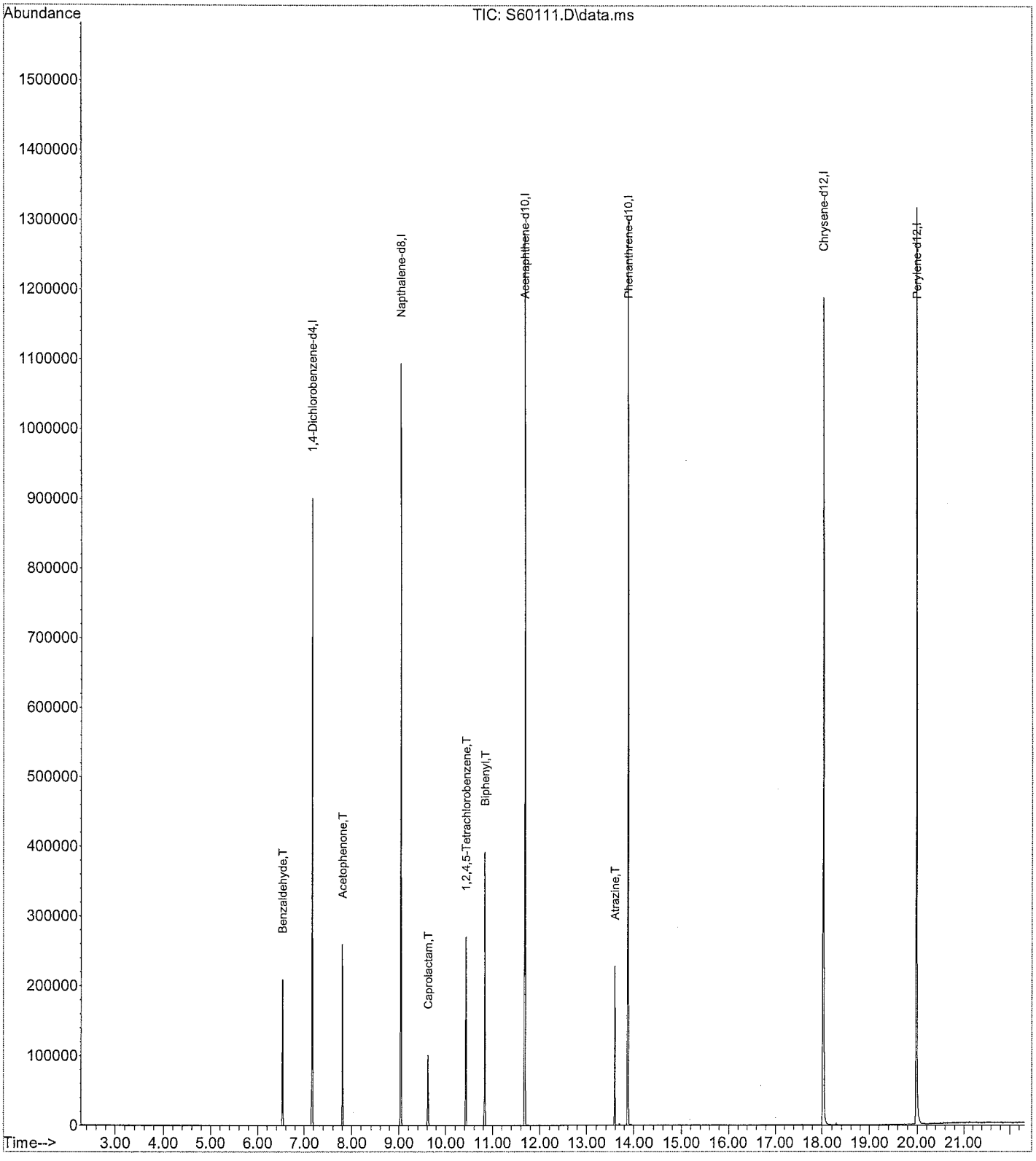
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.176	152	147601	40.00	ug/ml	0.00
17) Napthalene-d8	9.044	136	508745	40.00	ug/ml	0.00
35) Acenaphthene-d10	11.682	164	319636	40.00	ug/ml	0.00
56) Phenanthrene-d10	13.880	188	535887	40.00	ug/ml	0.00
66) Chrysene-d12	18.028	240	528598	40.00	ug/ml	0.00
75) Perylene-d12	19.979	264	472728	40.00	ug/ml	0.01
System Monitoring Compounds						
9) 2-Fluorophenol	0.000	112	0	0.00	ug/ml	
Spiked Amount 100.000	Range 0 - 110		Recovery =	0.00%		
16) Phenol-d5	0.000	99	0	0.00	ug/ml	
Spiked Amount 100.000	Range 0 - 104		Recovery =	0.00%		
31) Nitrobenzene-d5	0.000	82	0	0.00	ug/ml	
Spiked Amount 50.000	Range 44 - 101		Recovery =	0.00%#		
47) 2-Fluorobiphenyl	0.000	172	0	0.00	ug/ml	
Spiked Amount 50.000	Range 37 - 91		Recovery =	0.00%#		
53) 2,4,6-Tribromophenol	0.000	330	0	0.00	ug/ml	
Spiked Amount 100.000	Range 10 - 143		Recovery =	0.00%#		
74) Terphenyl-d14	0.000	244	0	0.00	ug/ml	
Spiked Amount 50.000	Range 56 - 112		Recovery =	0.00%#		
Target Compounds						Qvalue
84) Biphenyl	10.830	154	134456	13.41	ug/ml	97
85) Acetophenone	7.805	105	71271	14.18	ug/ml	89
86) Atrazine	13.592	200	27466	13.51	ug/ml#	100
87) Caprolactam	9.620	55	20158	17.16	ug/ml	89
89) Benzaldehyde	6.530	77	43185	16.19	ug/ml	94
90) 1,2,4,5-Tetrachloroben...	10.425	216	52509	12.02	ug/ml	98

atrazine OK

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

Data File : C:\msdchem\1\DATA\111129\S60111.D Vial: 100
Acq On : 30 Nov 2011 1:47 pm Operator: G.J.Brien
Sample : 8270 Extras @ 10ppm Inst : 73SVOAV2
Misc : 11087A

Quant Time: Nov 30 15:07:40 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 12:39:56 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M



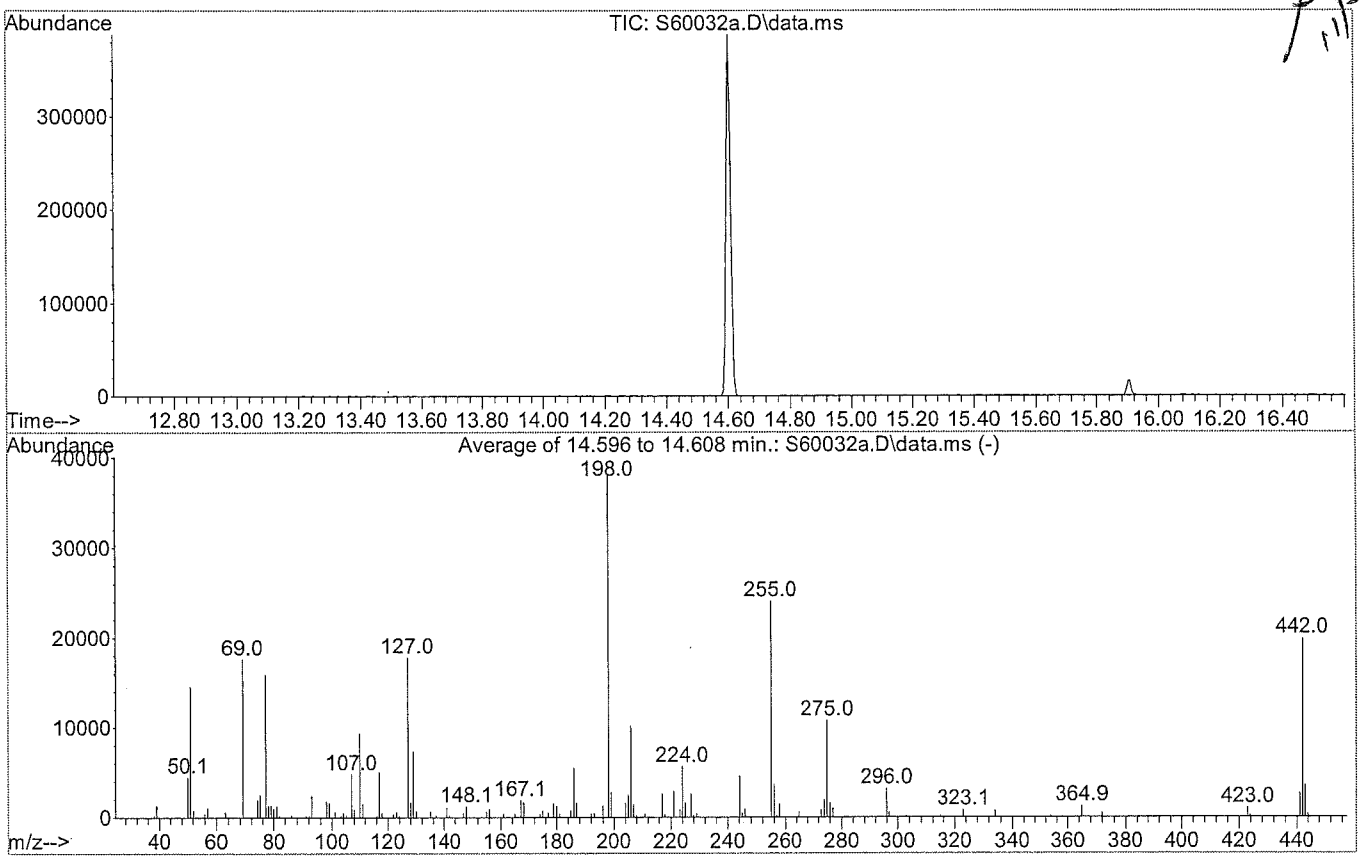
SEMIVOLATILE ORGANICS

RAW QC DATA

Data Path : C:\msdchem\1\DATA\111128\
Data File : S60032a.D
Acq On : 28 Nov 2011 8:42 am
Operator : G.J.Brien
Sample : 50ng DFTPP
Misc : 11131B
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\METHODS\ABN112811.M
Title :
Last Update : Mon Nov 28 12:31:11 2011



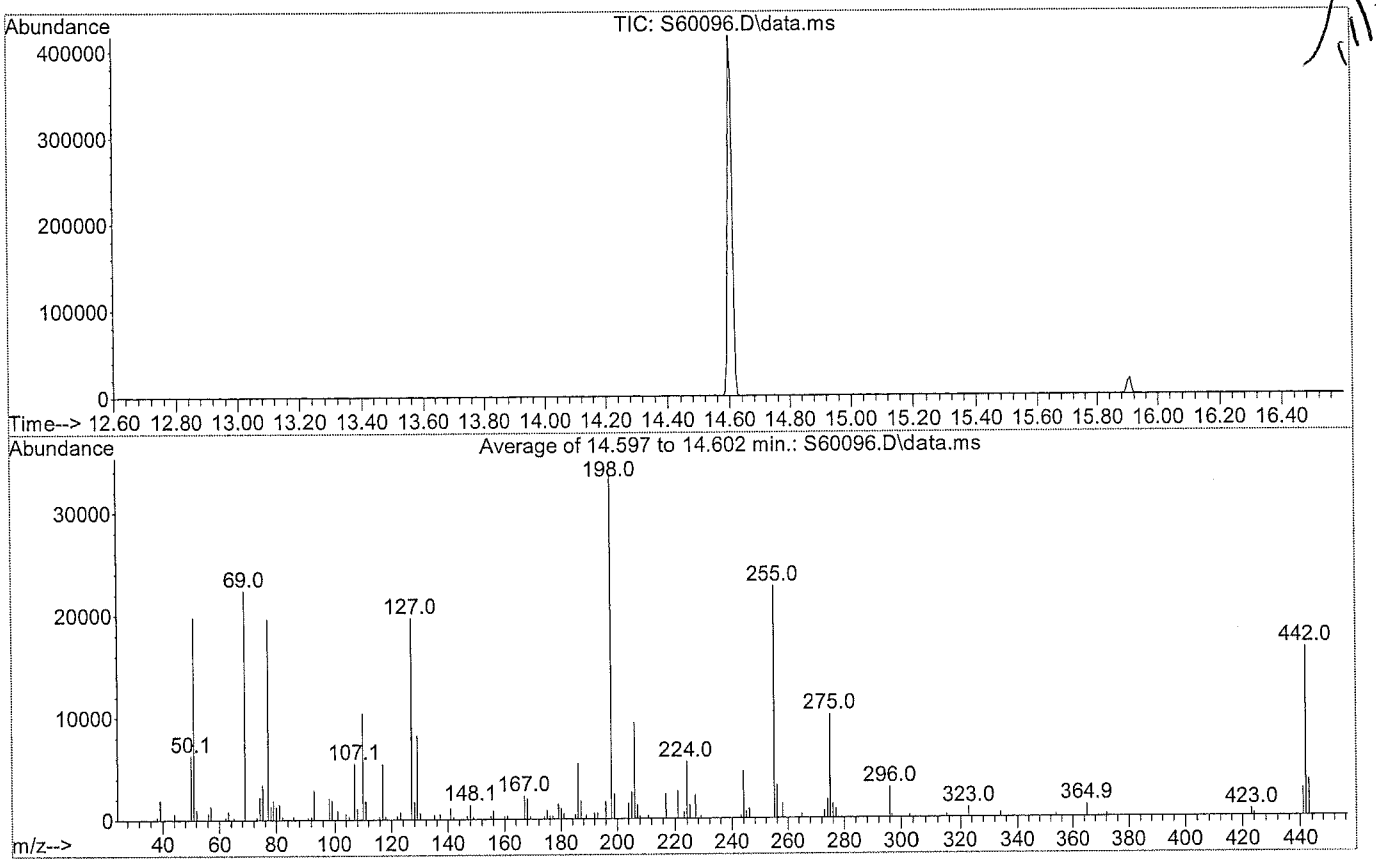
AutoFind: Scans 2096, 2097, 2098; Background Corrected with Scan 2092

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	38.0	14514	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	46.0	17595	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	46.5	17778	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	38210	PASS
199	198	5	9	7.1	2720	PASS
275	198	10	30	28.0	10714	PASS
365	198	1	100	3.1	1173	PASS
441	443	0.01	100	74.4	2615	PASS
442	198	40	100	51.8	19782	PASS
443	442	17	23	17.8	3513	PASS

Data Path : C:\msdchem\1\DATA\111129\
Data File : S60096.D
Acq On : 30 Nov 2011 11:41 am
Operator : G.J.Brien
Sample : 50ng DFTPP
Misc : 11131B
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\METHODS\ABN112811.M
Title :
Last Update : Mon Nov 28 12:39:56 2011



Spectrum Information: Average of 14.597 to 14.602 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	58.8	19770	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	66.5	22368	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	58.5	19657	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	33628	PASS
199	198	5	9	7.3	2451	PASS
275	198	10	30	30.0	10097	FAIL
365	198	1	100	3.5	1169	PASS
441	443	0.01	100	76.5	2696	PASS
442	198	40	100	49.0	16466	PASS
443	442	17	23	21.4	3525	PASS

pass @ 30.0

Quantitation Report (Not Reviewed)

Data File : C:\msdchem\1\DATA\111129\S60099.D Vial: 21
Acq On : 30 Nov 2011 1:15 pm Operator: G.J.Brien
Sample : LCS 11/29 Inst : 73SVOAV2
Misc : ABN Soil ASP

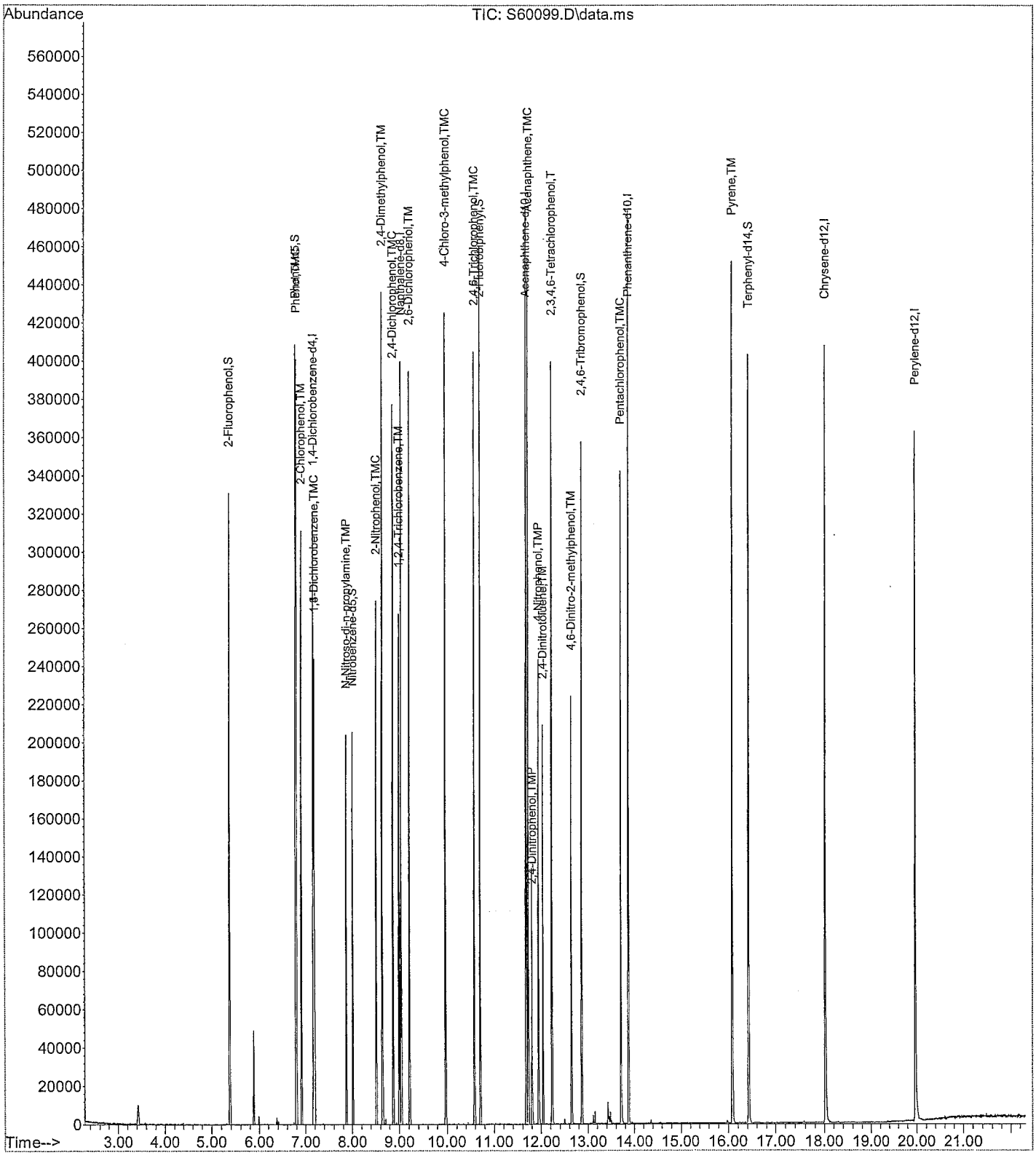
Quant Time: Nov 30 13:52:09 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 12:39:56 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.176	152	54812	40.00	ug/ml	0.00
17) Napthalene-d8	9.044	136	187935	40.00	ug/ml	0.00
35) Acenaphthene-d10	11.682	164	114125	40.00	ug/ml	0.00
56) Phenanthrene-d10	13.874	188	195798	40.00	ug/ml	0.00
66) Chrysene-d12	18.022	240	185265	40.00	ug/ml	0.00
75) Perylene-d12	19.973	264	153721	40.00	ug/ml	0.00
System Monitoring Compounds						
9) 2-Fluorophenol	5.378	112	97017	64.41	ug/ml	0.00
Spiked Amount 100.000	Range 51 - 86		Recovery = 64.41%			
16) Phenol-d5	6.794	99	133685	72.17	ug/ml	0.00
Spiked Amount 100.000	Range 55 - 90		Recovery = 72.17%			
31) Nitrobenzene-d5	8.016	82	63644	38.26	ug/ml	0.00
Spiked Amount 50.000	Range 62 - 94		Recovery = 76.52%			
47) 2-Fluorobiphenyl	10.713	172	148114	38.39	ug/ml	0.00
Spiked Amount 50.000	Range 62 - 99		Recovery = 76.78%			
53) 2,4,6-Tribromophenol	12.869	330	41701	77.45	ug/ml	0.00
Spiked Amount 100.000	Range 56 - 109		Recovery = 77.45%			
74) Terphenyl-d14	16.430	244	164886	44.54	ug/ml	0.00
Spiked Amount 50.000	Range 65 - 109		Recovery = 89.08%			
Target Compounds						Qvalue
5) 2-Chlorophenol	6.917	128	85543	54.16	ug/ml	99
6) 1,3-Dichlorobenzene	7.199	146	62872	~~32.37 ug/ml~~	NCRT	98
7) 1,4-Dichlorobenzene	7.199	146	62872	32.45	ug/ml	99
14) N-Nitroso-di-n-propyla...	7.875	70	41542	40.87	ug/ml#	65
15) Phenol	6.812	94	107934	56.81	ug/ml	83
22) 4-Chloro-3-methylphenol	9.973	107	78410	60.42	ug/ml	96
23) 2,4-Dichlorophenol	8.874	162	76477	52.19	ug/ml	99
24) 2,6-Dichlorophenol	9.221	162	76190	51.68	ug/ml	83
25) 2,4-Dimethylphenol	8.645	107	88990	59.41	ug/ml	97
32) 2-Nitrophenol	8.521	139	46900	53.46	ug/ml	94
34) 1,2,4-Trichlorobenzene	9.003	180	54846	30.82	ug/ml	96
37) Acenaphthene	11.729	153	122583	38.79	ug/ml	96
43) 2,4-Dinitrophenol	11.812	184	17126	40.42	ug/ml	94
44) 2,4-Dinitrotoluene	12.047	165	39560	38.36	ug/ml	98
52) 4-Nitrophenol	11.947	65	39161	61.65	ug/ml	95
54) 2,4,6-Trichlorophenol	10.590	196	58211	60.06	ug/ml	99
55) 2,4,5-Trichlorophenol	10.590	196	36906	~~33.92 ug/ml~~	NCRT	89
59) 4,6-Dinitro-2-methylph...	12.646	198	33669	53.12	ug/ml	94
63) Pentachlorophenol	13.710	266	44940	63.39	ug/ml	94
73) Pyrene	16.089	202	220036	42.91	ug/ml	95
91) 2,3,4,6-Tetrachlorophenol	12.235	232	55043	71.69	ug/ml NT	96

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

Data File : C:\msdchem\1\DATA\111129\S60099.D Vial: 21
Acq On : 30 Nov 2011 1:15 pm Operator: G.J.Brien
Sample : LCS 11/29 Inst : 73SVOAV2
Misc : ABN Soil ASP

Quant Time: Nov 30 13:52:09 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 12:39:56 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M



PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc

Client Job Site: 690 St. Paul St.
Client Job Number: 209280
Field Location: N/A
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5141A
Lab Sample Number: Soil PB 11/29
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 11/30/2011

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	< 286	Dibenz (a,h) anthracene	< 286
Anthracene	< 286	Fluoranthene	< 286
Benzo (a) anthracene	< 286	Fluorene	< 286
Benzo (a) pyrene	< 286	Indeno (1,2,3-cd) pyrene	< 286
Benzo (b) fluoranthene	< 286	Naphthalene	< 286
Benzo (g,h,i) perylene	< 286	Phenanthrene	< 286
Benzo (k) fluoranthene	< 286	Pyrene	< 286
Chrysene	< 286	Acenaphthylene	< 286
Diethyl phthalate	< 286	1,2-Dichlorobenzene	< 286
Dimethyl phthalate	< 714	1,3-Dichlorobenzene	< 286
Butylbenzylphthalate	< 286	1,4-Dichlorobenzene	< 286
Di-n-butyl phthalate	< 286	1,2,4-Trichlorobenzene	< 286
Di-n-octylphthalate	< 286	Nitrobenzene	< 286
Bis (2-ethylhexyl) phthalate	< 286	2,4-Dinitrotoluene	< 286
2-Chloronaphthalene	< 286	2,6-Dinitrotoluene	< 286
Hexachlorobenzene	< 286	Bis (2-chloroethyl) ether	< 286
Hexachloroethane	< 286	Bis (2-chloroisopropyl) ether	< 286
Hexachlorocyclopentadiene	< 286	Bis (2-chloroethoxy) methane	< 286
Hexachlorobutadiene	< 286	4-Bromophenyl phenyl ether	< 286
N-Nitroso-di-n-propylamine	< 286	4-Chlorophenyl phenyl ether	< 286
N-Nitrosodiphenylamine	< 286	Benzidine	< 714
N-Nitrosodimethylamine	< 286	3,3'-Dichlorobenzidine	< 286
Isophorone	< 286	4-Chloroaniline	< 286
Benzyl alcohol	< 714	2-Nitroaniline	< 714
Dibenzofuran	< 286	3-Nitroaniline	< 714
2-Methylnapthalene	< 286	4-Nitroaniline	< 714

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	< 286	2-Methylphenol	< 286
2-Chlorophenol	< 286	3&4-Methylphenol	< 286
2,4-Dichlorophenol	< 286	2,4-Dimethylphenol	< 286
2,6-Dichlorophenol	< 286	2-Nitrophenol	< 286
2,4,5-Trichlorophenol	< 714	4-Nitrophenol	< 714
2,4,6-Trichlorophenol	< 286	2,4-Dinitrophenol	< 714
Pentachlorophenol	< 714	4,6-Dinitro-2-methylphenol	< 714
4-Chloro-3-methylphenol	< 286	Benzoic acid	< 714

ELAP Number 10958 | Analytical Method: EPA 8270C | Data File: S60098.D
Prep Method: EPA 3550C

Comments: ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc

Client Job Site:	690 St. Paul St.	**Lab Project Number:**	11-5141A
		Lab Sample Number:	Soil PB 11/29
Client Job Number:	209280		
Field Location:	N/A	**Date Sampled:**	N/A
Field ID Number:	N/A	**Date Received:**	N/A
Sample Type:	Soil	**Date Analyzed:**	11/30/2011

Tentatively Identified Compounds	CAS Number	Retention Time	Results in ug / Kg	Percent Fit
None Found	N/A	N/A	< 114	N/A

ELAP Number 10958

Analytical Method: EPA 8270C
Prep Method: EPA 3550C

Data File: S60098.D

Comments: ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director

Quantitation Report (QT Reviewed)

Data File : C:\msdchem\1\DATA\111129\S60098.D Vial: 20
Acq On : 30 Nov 2011 12:44 pm Operator: G.J.Brien
Sample : PB 11/29 Inst : 73SVOAV2
Misc : ABN Soil ASP

Quant Time: Nov 30 13:51:27 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 12:39:56 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M

NO TICS ✓ 11/30/11

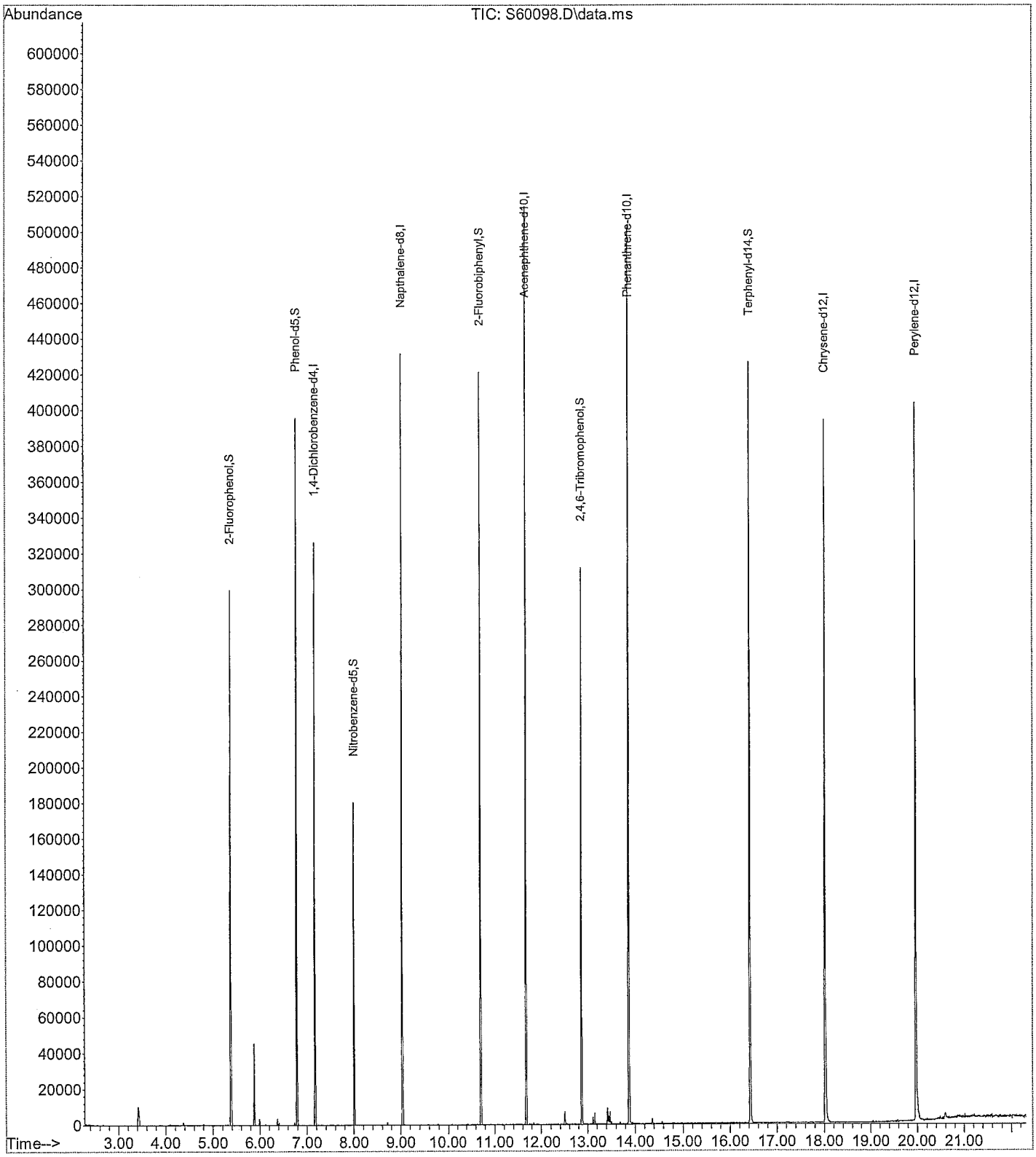
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.176	152	55921	40.00	ug/ml	0.00
17) Napthalene-d8	9.044	136	192457	40.00	ug/ml	0.00
35) Acenaphthene-d10	11.682	164	117386	40.00	ug/ml	0.00
56) Phenanthrene-d10	13.874	188	201153	40.00	ug/ml	0.00
66) Chrysene-d12	18.022	240	190255	40.00	ug/ml	0.00
75) Perylene-d12	19.973	264	157845	40.00	ug/ml	0.00
System Monitoring Compounds						
9) 2-Fluorophenol	5.378	112	85598	55.70	ug/ml	0.00
Spiked Amount 100.000	Range 51 - 86		Recovery = 55.70%			
16) Phenol-d5	6.794	99	119432	63.20	ug/ml	0.00
Spiked Amount 100.000	Range 55 - 90		Recovery = 63.20%			
31) Nitrobenzene-d5	8.016	82	58285	34.21	ug/ml	0.00
Spiked Amount 50.000	Range 62 - 94		Recovery = 68.42%			
47) 2-Fluorobiphenyl	10.713	172	137890	34.74	ug/ml	0.00
Spiked Amount 50.000	Range 62 - 99		Recovery = 69.48%			
53) 2,4,6-Tribromophenol	12.869	330	35189	63.54	ug/ml	0.00
Spiked Amount 100.000	Range 56 - 109		Recovery = 63.54%			
74) Terphenyl-d14	16.430	244	167602	44.09	ug/ml	0.00
Spiked Amount 50.000	Range 65 - 109		Recovery = 88.18%			

Target Compounds	Qvalue

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

Data File : C:\msdchem\1\DATA\111129\S60098.D Vial: 20
Acq On : 30 Nov 2011 12:44 pm Operator: G.J.Brien
Sample : PB 11/29 Inst : 73SVOAV2
Misc : ABN Soil ASP

Quant Time: Nov 30 13:51:27 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 12:39:56 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M



ORGANIC PREP Non-Aqueous: Semi-Volatile Samples

DATE	SAMPLE #	EPA METHOD	INITIAL VOLUME	FINAL VOLUME	INITIALS	SURROGATE/SPIKE	COMMENTS
11/22/11	BLK	Strs.S	"35.0g"	1 mL	edf	10µl BNSS#11254 10µl ACSS#11249	+10.04LIS#11255
	LCS *	↓	↓	↓	↓	50µl BNMS#11247 37.5µl ACMS#11248	↓
	16894	↓ edf 11/22	34.9	↓	↓	↓	MG
	16905	↓	35.2	1ml	↓	↓	↓ G2
	* LCS extract went dry before analysis. use 11/21 & 11/23 LCS to validate batch. 16905 ND. reprep 16894 (out of HT.) to confirm this prep. 11/29/11						
11/23/11	BLK	Strs.S	"35.0g"	1mL	edf	10µl BNSS# 11254 10µl ACSS# 11249	+10.04LIS#11255
	LCS	↓	↓	↓	↓	50µl BNMS# 11247 37.5µl ACMS# 11248	↓
	16895	↓	34.8	↓	↓	↓	G3
	16896	↓	34.9	↓	↓	↓	↓
	16897	↓	34.8	↓	↓	↓	↓
	16898	↓	34.8	↓	↓	↓	↓
	16899	↓	35.0	↓	↓	↓	↓
	16900	↓	35.1	↓	↓	↓	↓
	16901	↓	35.1	↓	↓	↓	↓
	16902	↓	35.2	↓	↓	↓	↓
	16903	↓	35.1	↓	↓	↓	↓
	16941	↓	35.1	↓	↓	10µl BNSS# 11254 10µl ACSS# 11260	G2
	16942	↓	34.9	↓	↓	↓	↓
11/29/11	BLK	ABN.S	"35.0g"	1 mL	edf	10µl BNSS# 11254 10µl ACSS# 11260	+10µl ES 11255
	LCS	↓	↓	↓	↓	50µl BNMS# 11247 37.5µl ACMS# 11261	↓
	17006	↓	34.9	↓	↓	↓	G3
	17007	↓	34.9	↓	↓	↓	↓
	16894	Strs.S	~~9.93~~ 5.09 ce edf 11/29	↓	↓	↓	MG

GC / MS SVOA System 6890 / 5973

Initial Calibration Date_____

Date	GC Method	Vial #	Data File	Matrix	Sample ID	Std. #	Analysis	Inits.	A	R	Comments	Inits.
11/23/11	8270LVN	1	S60022		MeCl2				—	—		
		2	S60023		DFTPP Tune Check	11131B				X	retune	
		3	S60024		CCV	11187B			—	—	not run	
		2	S60025		DFTPP Tune Check	11131B						
		~~2~~	~~S60026~~		~~DFTPP Tune Check~~	~~11131B~~	11/23/11 Not necessary					
		3	S60026	—	8270 CCal 50ppm				✓	✓	OK ★ s	
		14	S60027	Soil	PB 11/22		★. s		✓			
		15	S60028		LCS 11/22				✓		ok ★ s	
		17	S60029		16905 SAW 5098							
Maint 11/23/11 — Installed Column					Agilent DB-5 Ser. # USB5280364H Part # 122-5032							
		— Replaced septum, liner (new, packed, deact ss), o-ring, gold seal										
11/27/11												
(111127)	8270CON	1	S60030	—	MeCl2		2hr "bake"		—		NOT RUN	
	8270RUN	1	S60031A	—	MeCl2				—			
		2	S60032A	DFTPP	50ng DFTPP	11131B			✓		pass	
		3	S60033	—	8270 Cal L-1 10ppm	11181	Save as ABN112811.M		✓			
		4	S60034	—	L-2 20	11182			✓			
		5	S60035	—	L-3 50	11183			✓			
		6	S60036	—	L-4 100	11184			✓			
		7	S60037	—	L-5 150	11185			✓			
		8	S60038	—	L-6 200	11186			✓			
		9	S60039	—	8270 Ref 50ppm	10961			✓			
		10	S60040	—	8270 Extras 50ppm (Ref)	10962	run after # 14					

Continued

A = Accepted: R = Rejected

GC / MS SVOA System 6890 / 5973

Initial Calibration Date 11/28/11

Date	GC Method	Vial #	Data File	Matrix	Sample ID	Std. #	Analysis	Inits.	A	R	Comments	Inits.
11/30/11	8270RUN	1	S60095	—	MeCl2				—			
(11129)		2	S60096	DFTPP	50ng DFTPP	11131B			✓		pass	
		11	S60097	—	8270 ccal 50ppm	11187B			✓		pass for all	
		20	S60098	Soil	PB 11/29		ABN-S (ASP)		✓			
		21	S60099		LCS 11/29				✓		all pass	
		22	S60100		17006				✓			
		23	S60101		17007				✓		surr out	
		24	S60102		16894		☆-S		✓			
		12	S60103	—	ABN VIAL TEST		ABN-S		✓			
		13	S60104	Water	PB 11/29 Ponam 5136A		ABN-W (ASP)		✓			
		14	S60105		LCS 11/29				✓			
		15	S60106		16991				✓			
		16	S60107		16992				✓			
		17	S60108		16993				✓			
		18	S60109		16994				✓			
		19	S60110		16995				✓			
		100	S60111	—	8270 ExTras @ 10ppm	11087A			✓		OK ATRAZINE	
	8270Con	1	S60112,A-D	—	MeCl2 x 5							
	8270 RUN	1	S60113	—	MeCl2							
		2	S60114	DFTPP	50ng DFTPP	11131B						
		11	S60115	—	8270 ccal 50ppm	11187B			✓		pass ABN	
12/1/11	Maint –	Replaced septum, liner (new, packed, deact ss),					Clipped column 1/2		loop		12/1/11	
		– Global update RT, -0.04 min										

A = Accepted: R = Rejected

PESTICIDES

QC SUMMARY

2F

SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Lab Project #: 11-5141A Client Project #: 209280 SDG No.: 17006

Client Project Name: 690 St. Paul St.

GC Column: Rtx-CLP Detector: ECD1 A ID(mm): 0.25-narrow bore

	SAMPLE NO.	TCmX %REC	DCBP %REC	TOT OUT
01	Soil PB 11/30	50.7	70.9	0
02	Soil LCS 11/30	49.6	84.1	0
03	Soil LCS2 11/30	52.1	61.0	0
04	CS-6 17006	64.1	77.5	0
05	CS-7 17007	56.5	67.5	0
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

	QC LIMITS %
TCmX=Tetrachloro-m-xylene	(45.5-113)
DCBP=Decachlorobiphenyl	(43.3-111)

* Values outside of current required QC limits

D Surrogate diluted out

FORM II PEST-2

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Pesticide Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc

Client Job Site: 690 St. Paul St.
Client Job Number: 209280
Field Location: N/A
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5141A
Lab Sample Number: Soil LCS 11/30
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 11/30/2011

SDG# : 17006

Spiked Compound	Blank Results in mg / Kg	LCS Spiked in mg / Kg	LCS Results in mg / Kg	LCS Percent Recovery	MSD Spiked in mg / Kg	MSD Results in mg / Kg	MSD Percent Recovery	MS / MSD % RPD
g-BHC	< 2.86	14.3	7.19	50.3	N/A	N/A	N/A	N/A
Heptachlor	< 2.86	14.3	7.51	52.5	N/A	N/A	N/A	N/A
Aldrin	< 2.86	14.3	7.39	51.7	N/A	N/A	N/A	N/A
Dieldrin	< 2.86	14.3	8.73	61.0	N/A	N/A	N/A	N/A
Endrin	< 2.86	14.3	8.44	59.0	N/A	N/A	N/A	N/A
4,4'-DDT	< 2.86	14.3	9.56	66.9	N/A	N/A	N/A	N/A

ELAP Number 10958

Method: EPA 8081A

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Pesticide Analysis QC Limits

Limits effective: Oct 01,2011
Through: Dec 31,2011

Spiked Compound	Soil Spike Limits		Soil RPD Limits		Water Spike Limits		Water RPD Limits	
	Lower %	Upper %	Lower %	Upper %	Lower %	Upper %	Lower %	Upper %
g-BHC	38.4	87.2	N/A	29.7	31.0	97.0	N/A	64.8
Heptachlor	40.0	102	N/A	39.6	36.3	99.3	N/A	63.3
Aldrin	39.6	93.5	N/A	41.4	31.4	95.5	N/A	66.0
Dieldrin	45.5	108	N/A	35.9	42.0	111	N/A	53.3
Endrin	43.6	108	N/A	34.6	42.6	110	N/A	51.3
4,4'-DDT	43.3	111	N/A	38.2	41.0	113	N/A	52.3
Toxaphene	21.6	125	N/A	111	19.0	140	N/A	75.1

Surrogate	Soil Surrogate Limits				Water Surrogate Limits			
	Lower %	Upper %			Lower %	Upper %		
TCmX	45.5	113			18.6	87.7		
DCBP	43.3	111			33.0	144		

ELAP Number 10958

Method: EPA 8081

Note: When the lower acceptance limit is calculated to be below 10% recovery, a warning limit of 10% is established. Recoveries between the lower acceptance limit and the warning limit will be investigated, but will not invalidate the batch.

4C

SAMPLE NO.

PESTICIDE METHOD BLANK SUMMARY

Soil PB 11/30

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Lab Project #: 11-5141A Client Project #: 209280 SDG No.: 17006

Client Project Name: 690 St. Paul St.

Lab File ID: 111130A\006F0701.D Date Analyzed: 11/30/2011

Extraction(type): MeCl2 -> Hexane Time Analyzed: 19:09

Matrix: (soil/water) soil Instrument ID: Instrument 1

Date Extracted: 11/30/2011 GC Column: Rtx-CLP ID(mm): 0.25

Sulfur Cleanup(Y/N): N Detector: ECD1 A narrow bore

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED
01	N/A	Soil LCS 11/30	11/30/2011
02	N/A	Soil LCS2 11/30	11/30/2011
03	CS-6	17006	11/30/2011
04	CS-7	17007	11/30/2011
05			
06			
07			
08			
09			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

COMMENTS:

PESTICIDE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.
Lab Project #: 11-5141A Client Project #: 209280 SDG#: 17006
Client Project Name: 690 St. Paul St.
Lab File ID: P1118ISA.M Date Analyzed: 11/17/2011
Instrument ID: Instrument 1-Dual ECD1 Column: ECD1 A Time Analyzed: PM

	INITIAL CALIBRATION STANDARDS	IS AREA	BNB RT
	Pest ICAL L-1 0.005	209250	2.21
	Pest ICAL L-2 0.010	189486	2.21
	Pest ICAL L-3 0.020	171194	2.21
	Pest ICAL L-4 0.050	156537	2.22
	Pest ICAL L-5 0.100	186144	2.21
	Pest ICAL L-6 0.200	270573	2.21
	Pest ICAL L-7 0.400	200444	2.21
	Average	197661	2.21
	UPPER LIMIT	296492	2.71
	LOWER LIMIT	98831	1.71
	LAB SAMPLE#		
1	Soil PB 11/30	255472	2.22
2	Soil LCS 11/30	265863	2.21
3	Soil LCS2 11/30	293999	2.21
4	CS-6 17006	208515	2.20
5	CS-7 17007	248371	2.21
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			

IS=1-Bromo-2-nitrobenzene

AREA UPPER LIMIT=+50% of internal standard area
AREA LOWER LIMIT=-50% of internal standard area
RT UPPER LIMIT=+.50 minutes of internal standard RT
RT LOWER LIMIT=-.50 minutes of internal standard RT
*Values outside of QC limits

IS FORM PESTICIDES

MDL Study for Pesticides in Soil

Instrument: 5890 / DualECD (ECD2 A) Spiked Amount: Analytes = 0.01ppm

Date: 02/16/11 Spiked Amount: Surrogates = 0.05ppm

021511A\

Data File:	009F0901.D	010F1001.D	011F1101.D	012F1201.D	013F1301.D	014F1401.D	015F1501.D

	Compound	MDL1	MDL2	MDL3	MDL4	MDL5	MDL6	MDL7	STD DEV	MDL	MRL	PASS?
1	Tetrachloro-m-xylene	0.0368	0.0480	0.0455	0.0509	0.0472	0.0492	0.0435	0.0047	**0.0157**	N/A	N/A
2	alpha-BHC	0.0111	0.0105	0.0116	0.0113	0.0105	0.0164	0.0104	0.0021	**0.0071**	0.0100	Pass
3	gamma-BHC	0.0100	0.0096	0.0106	0.0097	0.0094	0.0133	0.0090	0.0014	**0.0048**	0.0100	Pass
4	beta-BHC	0.0131	0.0124	0.0135	0.0120	0.0122	0.0130	0.0107	0.0009	**0.0031**	0.0100	Pass
5	delta-BHC	0.0128	0.0127	0.0132	0.0123	0.0124	0.0183	0.0118	0.0022	**0.0075**	0.0100	Pass
6	Heptachlor	0.0100	0.0090	0.0106	0.0091	0.0084	0.0064	0.0074	0.0015	**0.0049**	0.0100	Pass
7	Aldrin	0.0119	0.0112	0.0123	0.0111	0.0105	0.0132	0.0098	0.0011	**0.0038**	0.0100	Pass
8	Heptachlor Epoxide	0.0117	0.0112	0.0125	0.0107	0.0104	0.0078	0.0093	0.0015	**0.0052**	0.0100	Pass
9	gamma-Chlordane	0.0125	0.0122	0.0132	0.0115	0.0114	0.0100	0.0102	0.0012	**0.0039**	0.0100	Pass
10	alpha-Chlordane	0.0120	0.0118	0.0127	0.0109	0.0108	0.0086	0.0097	0.0014	**0.0047**	0.0100	Pass
11	4,4'-DDE	0.0155	0.0153	0.0160	0.0147	0.0146	0.0196	0.0138	0.0019	**0.0064**	0.0100	Pass
12	Endosulfan I	0.0124	0.0120	0.0131	0.0114	0.0112	0.0098	0.0102	0.0012	**0.0039**	0.0100	Pass
13	Dieldrin	0.0137	0.0134	0.0143	0.0128	0.0126	0.0139	0.0117	0.0009	**0.0031**	0.0100	Pass
14	Endrin	0.0129	0.0127	0.0136	0.0121	0.0119	0.0127	0.0110	0.0008	**0.0028**	0.0100	Pass
15	4,4'-DDD	0.0161	0.0158	0.0165	0.0152	0.0152	0.0200	0.0142	0.0019	**0.0062**	0.0100	Pass
16	Endosulfan II	0.0128	0.0125	0.0134	0.0117	0.0117	0.0094	0.0105	0.0014	**0.0046**	0.0100	Pass
17	4,4'-DDT	0.0134	0.0128	0.0136	0.0123	0.0122	0.0142	0.0114	0.0010	**0.0032**	0.0100	Pass
18	Endrin Aldehyde	0.0103	0.0094	0.0103	0.0088	0.0094	0.0047	0.0078	0.0020	**0.0066**	0.0100	Pass
19	Methoxychlor	0.0120	0.0108	0.0117	0.0103	0.0101	0.0053	0.0090	0.0023	**0.0076**	0.0100	Pass
20	Endosulfan Sulfate	0.0139	0.0128	0.0137	0.0121	0.0122	0.0092	0.0107	0.0017	**0.0056**	0.0100	Pass
21	Endrin Ketone	0.0118	0.0110	0.0117	0.0102	0.0103	0.0076	0.0091	0.0015	**0.0050**	0.0100	Pass
22	Decachlorobiphenyl	0.0108	0.1027	0.0963	0.0951	0.0992	0.0626	0.0875	0.0330	**0.1107**	N/A	N/A

MDL Study for Pesticides in Soil

Instrument: 5890 / DualECD (ECD2 B) Spiked Amount: Analytes = 0.01ppm

Date: 02/16/11 Spiked Amount: Surrogates = 0.05ppm

	Compound	MDL1	MDL2	MDL3	MDL4	MDL5	MDL6	MDL7	STD DEV	**MDL**	MRL	PASS?
1	Tetrachloro-m-xylene	0.0358	0.0474	0.0463	0.0500	0.0473	0.0489	0.0431	0.0048	**0.0161**	N/A	N/A
2	alpha-BHC	0.0122	0.0117	0.0128	0.0119	0.0117	0.0186	0.0111	0.0026	**0.0087**	0.0100	Pass
3	gamma-BHC	0.0110	0.0106	0.0116	0.0107	0.0105	0.0152	0.0099	0.0018	**0.0059**	0.0100	Pass
4	beta-BHC	0.0148	0.0143	0.0153	0.0139	0.0142	0.0185	0.0129	0.0018	**0.0059**	0.0100	Pass
5	delta-BHC	0.0141	0.0139	0.0146	0.0136	0.0138	0.0205	0.0130	0.0026	**0.0086**	0.0100	Pass
6	Heptachlor	0.0112	0.0102	0.0118	0.0102	0.0096	0.0094	0.0086	0.0011	**0.0036**	0.0100	Pass
7	Aldrin	0.0131	0.0124	0.0137	0.0124	0.0119	0.0161	0.0112	0.0016	**0.0054**	0.0100	Pass
8	Heptachlor Epoxide	0.0125	0.0119	0.0132	0.0114	0.0112	0.0105	0.0101	0.0011	**0.0036**	0.0100	Pass
9	gamma-Chlordane	0.0135	0.0131	0.0140	0.0123	0.0124	0.0131	0.0113	0.0009	**0.0030**	0.0100	Pass
10	alpha-Chlordane	0.0130	0.0126	0.0136	0.0118	0.0118	0.0115	0.0107	0.0010	**0.0033**	0.0100	Pass
11	Endosulfan I	0.0132	0.0127	0.0138	0.0121	0.0120	0.0125	0.0110	0.0009	**0.0030**	0.0100	Pass
12	4,4'-DDE	0.0161	0.0157	0.0165	0.0150	0.0151	0.0202	0.0142	0.0020	**0.0066**	0.0100	Pass
13	Dieldrin	0.0146	0.0141	0.0151	0.0135	0.0134	0.0162	0.0125	0.0012	**0.0041**	0.0100	Pass
14	Endrin	0.0141	0.0136	0.0146	0.0130	0.0130	0.0150	0.0120	0.0010	**0.0035**	0.0100	Pass
15	4,4'-DDD	0.0169	0.0164	0.0172	0.0157	0.0158	0.0207	0.0147	0.0019	**0.0065**	0.0100	Pass
16	Endosulfan II	0.0141	0.0134	0.0145	0.0127	0.0128	0.0123	0.0115	0.0010	**0.0035**	0.0100	Pass
17	4,4'-DDT	0.0149	0.0143	0.0151	0.0137	0.0138	0.0180	0.0130	0.0016	**0.0055**	0.0100	Pass
18	Endrin Aldehyde	0.0115	0.0107	0.0118	0.0102	0.0104	0.0085	0.0090	0.0012	**0.0040**	0.0100	Pass
19	Endosulfan Sulfate	0.0149	0.0139	0.0150	0.0131	0.0133	0.0119	0.0118	0.0013	**0.0043**	0.0100	Pass
20	Methoxychlor	0.0138	0.0124	0.0135	0.0119	0.0121	0.0094	0.0107	0.0016	**0.0052**	0.0100	Pass
21	Endrin Ketone	0.0130	0.0125	0.0133	0.0118	0.0120	0.0118	0.0108	0.0008	**0.0028**	0.0100	Pass
22	Decachlorobiphenyl	0.1041	0.0986	0.0934	0.0908	0.0960	0.0620	0.0836	0.0138	**0.0464**	N/A	N/A

Toxaphene MDL Study

Instrument: 5890 / DualECD
Date: 02/16/11

Spiked Amount: Analytes = 0.100ppm
Spiked Amount: Surrogates = 0.05ppm

Soil Data File:	016F1601.D	017F1701.D	018F1801.D	019F1901.D	020F2001.D	021F2101.D	022F2201.D	in 021511A folder
Water Data File:	028F3201.D	029F3301.D	030F3401.D	031F3501.D	032F3601.D	033F3701.D	034F3801.D	in 013111A folder

Compound	MDL1	MDL2	MDL3	MDL4	MDL5	MDL6	MDL7	STD DEV	**MDL**	MRL	PASS?
Toxaphene Soil A	0.1135	0.0797	0.1203	0.1116	0.1053	0.1263	0.1127	0.0149	**0.0501**	0.100	Pass
Toxaphene Soil B	0.1163	0.0819	0.1188	0.1154	0.1068	0.1201	0.1129	0.0133	**0.0446**	0.100	Pass
Toxaphene Water A	0.0879	0.0819	0.1163	0.0740	0.1216	0.0678	0.0937	0.0204	**0.0685**	0.100	Pass
Toxaphene Water B	0.0996	0.0951	0.1280	0.0927	0.1067	0.0783	0.1087	0.0155	**0.0521**	0.100	Pass

PESTICIDES

SAMPLE DATA

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Pesticide Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc

Client Job Site:	690 St. Paul St.	**Lab Project Number:**	11-5141A
		Lab Sample Number:	17006
Client Job Number:	209280		
Field Location:	CS-6	**Date Sampled:**	11/29/2011
Field ID Number:	N/A	**Date Received:**	11/29/2011
Sample Type:	Soil	**Date Analyzed:**	11/30/2011

Pesticide Identification	Results in ug / Kg
Aldrin	< 3.12
alpha-BHC	< 3.12
beta-BHC	< 3.12
delta-BHC	< 3.12
gamma-BHC	< 3.12
gamma-Chlordane	< 3.12
alpha-Chlordane	< 3.12
4,4'-DDD	< 3.12
4,4'-DDE	< 3.12
4,4'-DDT	J 2.58
Dieldrin	< 3.12
Endosulfan I	< 3.12
Endosulfan II	< 3.12
Endosulfan Sulfate	< 3.12
Endrin	< 3.12
Endrin Aldehyde	< 3.12
Endrin Ketone	< 3.12
Heptachlor	< 3.12
Heptachlor Epoxide	< 3.12
Methoxychlor	< 3.12
Toxaphene	< 15.6

ELAP Number 10958

Analytical Method: EPA 8081B
Prep Method: EPA 3550C

Comments: ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

- 206 -

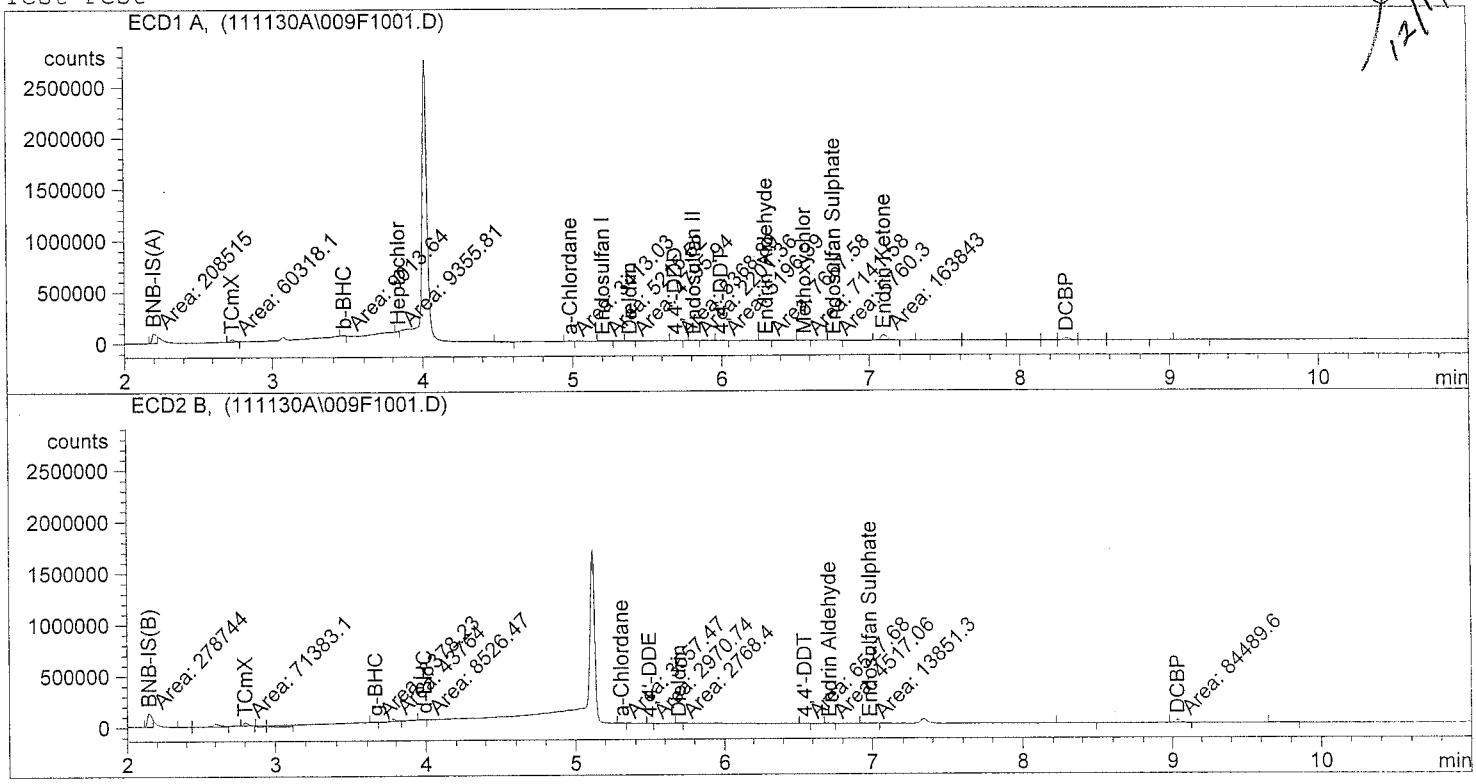
12/1

34.9
10ml

J

12/1/11

Injection Date : 11/30/2011 7:57:20 PM Seq. Line : 10
Sample Name : S 17006 lab5141A Location : Vial 9
Acq. Operator : G.J.Brien Inj : 1
Acq. Instrument : Dual ECD 1 Inj Volume : 2 µl
Acq. Method : C:\HPCHEM\1\METHODS\PSTRUN.M
Last changed : 7/22/2010 11:35:51 AM by M.Miller
Analysis Method : C:\HPCHEM\1\METHODS\P1118ISA.M
Last changed : 11/18/2011 11:07:25 AM by M.Miller
Test Pest



Internal Standard Report

Sorted By : Signal
Calib. Data Modified : Friday, November 18, 2011 11:02:29 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:

ISTD #	ISTD Amount [ng/ul]	Name
2	1.00000e-1	BNB-IS(B)
1	1.00000e-1	BNB-IS(A)

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.202	MM I	2.08515e5	1.00000	1.00000e-1		BNB-IS(A)
2.736	MM	6.03181e4	1.10749	3.20368e-2		TCmX ✓ 64.0 M10
3.163		-	-	-		a-BHC
3.425		-	-	-		g-BHC
3.471	MM	9013.63672	2.07069	~~8.95111e-3~~ NC		b-BHC
3.661		-	-	-		d-BHC
3.837	MM	9355.80664	2.36874e-1	~~1.06283e-3~~ NC		Heptachlor

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
4.131		-	-	-		Aldrin
4.727		-	-	-		Heptachlor Epoxide
4.856		-	-	-		g-Chlordane
4.984	MM	3413.03296	4.74929e-1	~~7.77379e-4~~	NC	a-Chlordane
5.078		-	-	-		4,4'-DDE
5.202	MM	5215.52197	3.24660e-1	~~8.12064e-4~~	NC	Endosulfan I
5.382	MM	4795.94385	2.05498	~~4.72656e-3~~	NC	Dieldrin
5.637		-	-	-		Endrin
5.689	MM	5368.89453	4.87802	~~1.25601e-2~~	NC	4,4'-DDD
5.815	MM	2201.35913	1.07521	~~1.13513e-3~~	NC	Endosulfan II
5.997	MM	5196.38623	3.31885	8.27089e-3	BRL	4,4'-DDT - J
6.303	MM	7667.57764	1.35998	~~5.00095e-3~~	NC	Endrin Aldehyde
6.561	MM	7141.57764	2.56326	~~8.77909e-3~~	NC	Methoxychlor
6.760	MM	5760.29834	1.65067	~~4.56003e-3~~	0.005	Endosulfan Sulphate
7.095	MM	1.63843e5	1.21635	~~9.55762e-2~~	NC	Endrin Ketone
8.308	VV	7.23956e4	1.11666	3.87699e-2		DCBP ✓ 77.5%

Totals without ISTD(s) : 2.23019e-1

Results obtained with enhanced integrator!

Signal 2: ECD2 B,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.150	MM I	2.78744e5	1.00000	1.00000e-1		BNB-IS(B)
2.804	MM	7.13831e4	1.15671	2.96221e-2		TCmX
3.304		-	-	-		a-BHC
3.660	MM	8378.23145	1.28608	3.86559e-3		g-BHC
3.698		-	-	-		b-BHC
3.992	MM	8526.47266	2.28483	6.98905e-3		d-BHC
4.076		-	-	-		Heptachlor
4.413		-	-	-		Aldrin
5.015		-	-	-		Heptachlor Epoxide
5.216		-	-	-		g-Chlordane
5.307	MM	3557.47314	3.47075e-1	4.42955e-4		a-Chlordane
5.448		-	-	-		Endosulfan I
5.497	MM	2970.74048	2.63301	2.80616e-3		4,4'-DDE
5.695	MM	2768.40186	2.53018	2.51290e-3		Dieldrin
6.077		-	-	-		Endrin
6.197		-	-	-		4,4'-DDD
6.316		-	-	-		Endosulfan II
6.548	MM	6527.67822	2.93834	(6.88106e-3)		4,4'-DDT
6.711	MM	4517.06104	1.20402	1.95113e-3		Endrin Aldehyde
6.985	MM	1.38513e4	1.68644	8.38025e-3		Endosulfan Sulphate
7.310		-	-	-		Methoxychlor
7.621		-	-	-		Endrin Ketone
9.033	MM	8.44896e4	1.45393	4.40697e-2		DCBP

Totals without ISTD(s) : 1.07521e-1

Results obtained with enhanced integrator!
3 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
Warning : Elution order of calibrated compounds may have changed

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*** End of Report ***

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Pesticide Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc

Client Job Site: 690 St. Paul St.
Client Job Number: 209280
Field Location: CS-7
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5141A
Lab Sample Number: 17007
Date Sampled: 11/29/2011
Date Received: 11/29/2011
Date Analyzed: 11/30/2011

Pesticide Identification	Results in ug / Kg
Aldrin	< 3.26
alpha-BHC	< 3.26
beta-BHC	< 3.26
delta-BHC	< 3.26
gamma-BHC	< 3.26
gamma-Chlordane	< 3.26
alpha-Chlordane	< 3.26
4,4'-DDD	< 3.26
4,4'-DDE	< 3.26
4,4'-DDT	J 2.14
Dieldrin	< 3.26
Endosulfan I	< 3.26
Endosulfan II	< 3.26
Endosulfan Sulfate	< 3.26
Endrin	< 3.26
Endrin Aldehyde	< 3.26
Endrin Ketone	< 3.26
Heptachlor	< 3.26
Heptachlor Epoxide	< 3.26
Methoxychlor	< 3.26
Toxaphene	< 16.3

ELAP Number 10958

Analytical Method: EPA 8081B
Prep Method: EPA 3550C

Comments: ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director

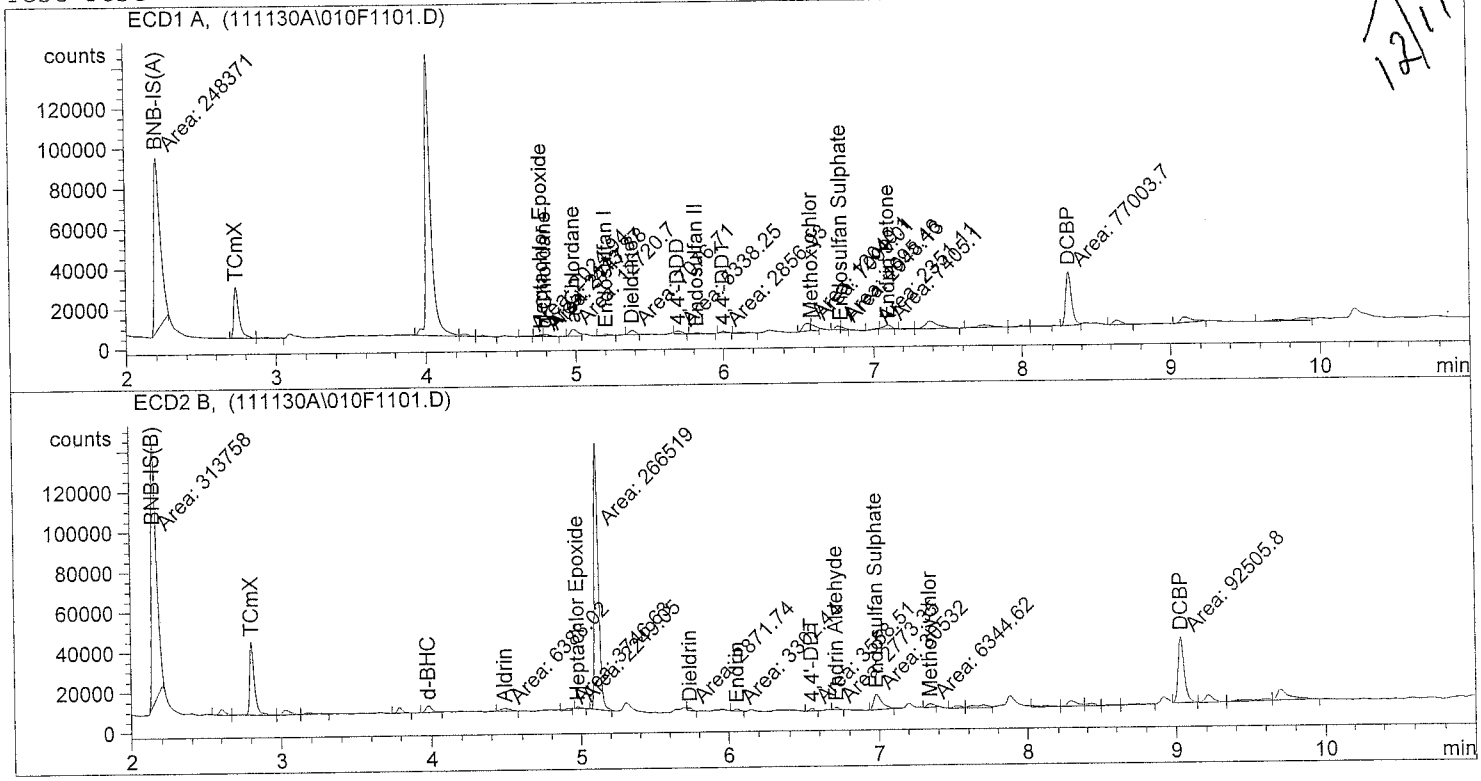
This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

Injection Date : 11/30/2011 8:13:30 PM Seq. Line : 11
Sample Name : S 17007 lab5141A Location : Vial 10
Acq. Operator : G.J.Brien Inj : 1
Acq. Instrument : Dual ECD 1 Inj Volume : 2 µl
Acq. Method : C:\HPCHEM\1\METHODS\PSTRUN.M
Last changed : 7/22/2010 11:35:51 AM by M.Miller
Analysis Method : C:\HPCHEM\1\METHODS\P1118ISA.M
Last changed : 11/18/2011 11:07:25 AM by M.Miller
Test Pest

35.0
10 mL

J

12/1/11



Internal Standard Report

Sorted By : Signal
Calib. Data Modified : Friday, November 18, 2011 11:02:29 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:

ISTD #	ISTD Amount [ng/ul]	Name
2	1.00000e-1	BNB-IS(B)
1	1.00000e-1	BNB-IS(A)

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.205	MM	I 2.48371e5	1.00000	1.00000e-1		BNB-IS(A)
2.737	PB	6.37206e4	1.10129	2.82540e-2		TCmX ✓ 56.5%
3.163		-	-	-		a-BHC
3.425		-	-	-		g-BHC
3.499		-	-	-		b-BHC
3.661		-	-	-		d-BHC
3.845		-	-	-		Heptachlor

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
4.131		-	-	-		Aldrin
4.765	MM	2413.87354	0.00000	0.00000		Heptachlor Epoxide
4.788	MM	3747.87866	8.52873e-1	~~1.28697e-3~~	NC	g-Chlordane
4.984	MM	1.27207e4	8.91760e-1	~~4.56730e-3~~	NC	a-Chlordane
5.078		-	-	-		4,4'-DDE
5.202	BV	3075.94995	0.00000	0.00000		Endosulfan I
5.381	MM	7076.71484	1.88558	~~5.37248e-3~~	NC	Dieldrin
5.637		-	-	-		Endrin
5.693	MM	5338.25293	5.54488	~~1.19176e-2~~	NC	4,4'-DDD
5.817	VB	4314.50391	1.16944	~~2.03146e-3~~	NC	Endosulfan II
5.998	MM	2856.93286	5.70039	6.55698e-3	BRL	4,4'-DDT
6.337		-	-	-		Endrin Aldehyde
6.582	MM	7099.01367	2.61714	~~7.48039e-3~~	NC	Methoxychlor
6.779	MM	2948.13159	1.88771	~~2.24069e-3~~	<.005	Endosulfan Sulphate
7.096	MM	7405.10303	1.14857	~~3.42444e-3~~	NC	Endrin Ketone
8.307	MM	7.70037e4	1.08780	3.37257e-2		DCBP ✓

67.5%

Totals without ISTD(s) : 1.06858e-1

Results obtained with enhanced integrator!

Signal 2: ECD2 B,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.151	MM I	3.13758e5	1.00000	1.00000e-1		BNB-IS(B)
2.805	VP	8.05006e4	1.15696	2.96841e-2		TCmX
3.304		-	-	-		a-BHC
3.625		-	-	-		g-BHC
3.698		-	-	-		b-BHC
3.980	BB	8898.00293	2.38098	6.75234e-3		d-BHC
4.076		-	-	-		Heptachlor
4.489	MM	6388.02100	1.42148	2.89410e-3		Aldrin
4.977	MM	2249.04810	0.00000	0.00000		Heptachlor Epoxide
5.216		-	-	-		g-Chlordane
5.373		-	-	-		a-Chlordane
5.448		-	-	-		Endosulfan I
5.544		-	-	-		4,4'-DDE
5.737	MM	2871.74341	2.63206	2.40905e-3		Dieldrin
6.055	MM	3302.43848	2.10130	2.21171e-3		Endrin
6.197		-	-	-		4,4'-DDD
6.316		-	-	-		Endosulfan II
6.549	MM	3558.50830	4.43622	(5.03137e-3)		4,4'-DDT
6.713	MM	2773.34644	6.17230e-1	5.45577e-4		Endrin Aldehyde
6.981	MM	3.05320e4	1.71394	1.66785e-2		Endosulfan Sulphate
7.344	MM	6344.62451	2.40332	4.85984e-3		Methoxychlor
7.621		-	-	-		Endrin Ketone
9.032	MM	9.25058e4	1.44736	4.26727e-2		DCBP

Totals without ISTD(s) : 1.13739e-1

Results obtained with enhanced integrator!

6 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
Warning : Elution order of calibrated compounds may have changed
Warning : Negative results set to zero (cal. curve intercept), (Heptachlor Epoxide)
Warning : Negative results set to zero (cal. curve intercept), (Heptachlor Epoxide)
Warning : Negative results set to zero (cal. curve intercept), (Endosulfan I)

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*** End of Report ***

PESTICIDES

STANDARDS DATA

6E

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Client Project Name: 690 St. Paul St.

Lab Project #: 11-5141A Client Project #: 209280

Instrument ID: Instrument 1 Level: low

GC Column: Rtx-CLP ID: (mm) 0.25-narrow bore Date Analyzed: 11/17/2011

Detector: ECD1 A P1118ISA.M

COMPOUND:	RT STD	RT FROM	WINDOW TO
alpha-BHC	3.16	3.11	3.21
beta-BHC	3.50	3.45	3.55
delta-BHC	3.66	3.61	3.71
gamma-BHC (Lindane)	3.43	3.38	3.48
Heptachlor	3.85	3.80	3.90
Aldrin	4.13	4.08	4.18
Heptachlor Epoxide	4.73	4.66	4.80
Endosulfan I	5.13	5.06	5.20
Dieldren	5.39	5.32	5.46
4,4'-DDE	5.08	5.01	5.15
Endrin	5.64	5.57	5.71
Endosulfan II	5.88	5.81	5.95
4,4'-DDD	5.72	5.65	5.79
Endosulfan sulfate	6.82	6.75	6.89
4,4'-DDT	6.02	5.95	6.09
Methoxychlor	6.57	6.50	6.64
Endrin ketone	7.14	7.07	7.21
Endrin aldehyde	6.34	6.27	6.41
alpha-Chlordane	4.99	4.92	5.06
gamma-Chlordane	4.86	4.79	4.93
Tetrachloro-m-xylene	2.74	2.69	2.79
Decachlorobiphenyl	8.31	8.21	8.41

retention time windows are +/- 0.05 minutes for all compounds that elute before Heptachlor epoxide, +/- 0.07 minutes for all other compounds, except +/- 0.10 minutes for Decachlorobiphenyl.

6E

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Client Project Name: 690 St. Paul St.

Lab Project #: 11-5141A Client Project #: 209280

Instrument ID: Instrument 1 Level: low

GC Column: Rtx-CLP ID: (mm) 0.25-narrow bore Date Analyzed: 11/17/2011

Detector: ECD2 B P1118ISA.M

COMPOUND:	RT STD	RT FROM	WINDOW TO
alpha-BHC	3.30	3.25	3.35
beta-BHC	3.70	3.65	3.75
delta-BHC	3.98	3.93	4.03
gamma-BHC (Lindane)	3.63	3.58	3.68
Heptachlor	4.08	4.03	4.13
Aldrin	4.41	4.36	4.46
Heptachlor Epoxide	5.02	4.95	5.09
Endosulfan I	5.45	5.38	5.52
Dieldren	5.75	5.68	5.82
4,4'-DDE	5.54	5.47	5.61
Endrin	6.08	6.01	6.15
Endosulfan II	6.32	6.25	6.39
4,4'-DDD	6.20	6.13	6.27
Endosulfan sulfate	7.04	6.97	7.11
4,4'-DDT	6.55	6.48	6.62
Methoxychlor	7.31	7.24	7.38
Endrin ketone	7.62	7.55	7.69
Endrin aldehyde	6.70	6.63	6.77
alpha-Chlordane	5.37	5.30	5.44
gamma-Chlordane	5.22	5.15	5.29
Tetrachloro-m-xylene	2.81	2.76	2.86
Decachlorobiphenyl	9.04	8.94	9.14

retention time windows are +/- 0.05 minutes for all compounds that elute before Heptachlor epoxide, +/- 0.07 minutes for all other compounds, except +/- 0.10 minutes for Decachlorobiphenyl.

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Client Project Name: 690 St. Paul St.

Lab Project #: 11-5141A Client Project #: 209280

GC Column: Rtx-CLP ID: (mm) 0.25 Initial Calibration Date: 11/17/2011

Detector: ECD1 A -narrow bore P1118ISA.M

LAB File ID: 111130A\004F0501.D Date Analyzed: 11/30/2011

LAB #/Cal ID: Pest CCal 0.100 ppm Time Analyzed: 18:36

COMPOUND	RT	PASS FAIL	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D	PASS FAIL
alpha-BHC	3.16	Pass	0.095	0.100	-5.1	Pass
gamma-BHC(Lindane)	3.42	Pass	0.095	0.100	-5.4	Pass
Heptachlor	3.84	Pass	0.093	0.100	-6.5	Pass
Endosulfan I	5.13	Pass	0.096	0.100	-3.6	Pass
Dieldren	5.38	Pass	0.093	0.100	-7.4	Pass
Endrin	5.63	Pass	0.093	0.100	-7.4	Pass
4,4'-DDD	5.72	Pass	0.089	0.100	-11.2	Pass
4,4'-DDT	6.02	Pass	0.087	0.100	-13.1	Pass
Methoxychlor	6.57	Pass	0.089	0.100	-10.5	Pass
beta-BHC	3.50	Pass	0.091	0.100	-9.3	Pass
delta-BHC	3.66	Pass	0.091	0.100	-9.2	Pass
Aldrin	4.13	Pass	0.093	0.100	-6.9	Pass
Heptachlor epoxide	4.72	Pass	0.094	0.100	-6.5	Pass
4,4'-DDE	5.08	Pass	0.091	0.100	-9.0	Pass
Endosulfan II	5.87	Pass	0.093	0.100	-6.8	Pass
Endosulfan sulfate	6.81	Pass	0.093	0.100	-7.1	Pass
Endrin ketone	7.13	Pass	0.094	0.100	-6.0	Pass
Endrin aldehyde	6.33	Pass	0.094	0.100	-5.7	Pass
alpha-Chlordane	4.99	Pass	0.092	0.100	-7.7	Pass
gamma-Chlordane	4.85	Pass	0.093	0.100	-7.4	Pass
Tetrachloro-m-xylene	2.74	Pass	0.094	0.100	-6.0	Pass
Decachlorobiphenyl	8.31	Pass	0.100	0.100	0.5	Pass

+/- 20% = Pass

4,4'-DDT % Breakdown: 3.2 Endrin % Breakdown: 8.0

Combined % Breakdown: 11.2

FORM VII PEST-2

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Client Project Name: 690 St. Paul St.

Lab Project #: 11-5141A Client Project #: 209280

GC Column: Rtx-CLP2 ID: (mm) 0.25 Initial Calibration Date: 11/17/2011

Detector: ECD2 B -narrow bore P1118ISA.M

LAB File ID: 111130A\004F0501.D Date Analyzed: 11/30/2011

LAB #/Cal ID: Pest CCal 0.100 ppm Time Analyzed: 18:36

COMPOUND	RT	PASS FAIL	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D	PASS FAIL
alpha-BHC	3.30	Pass	0.094	0.100	-6.0	Pass
gamma-BHC(Lindane)	3.62	Pass	0.095	0.100	-5.5	Pass
Heptachlor	4.07	Pass	0.095	0.100	-5.1	Pass
Endosulfan I	5.44	Pass	0.093	0.100	-6.9	Pass
Dieldren	5.74	Pass	0.093	0.100	-7.3	Pass
Endrin	6.07	Pass	0.092	0.100	-8.3	Pass
4,4'-DDD	6.19	Pass	0.093	0.100	-7.2	Pass
4,4'-DDT	6.54	Pass	0.092	0.100	-8.0	Pass
Methoxychlor	7.30	Pass	0.091	0.100	-9.2	Pass
beta-BHC	3.70	Pass	0.092	0.100	-8.4	Pass
delta-BHC	3.97	Pass	0.093	0.100	-7.5	Pass
Aldrin	4.41	Pass	0.095	0.100	-5.0	Pass
Heptachlor epoxide	5.01	Pass	0.093	0.100	-7.1	Pass
4,4'-DDE	5.54	Pass	0.092	0.100	-8.4	Pass
Endosulfan II	6.31	Pass	0.092	0.100	-8.4	Pass
Endosulfan sulfate	7.03	Pass	0.094	0.100	-6.4	Pass
Endrin ketone	7.61	Pass	0.090	0.100	-9.8	Pass
Endrin aldehyde	6.70	Pass	0.096	0.100	-4.3	Pass
alpha-Chlordane	5.37	Pass	0.093	0.100	-7.0	Pass
gamma-Chlordane	5.21	Pass	0.092	0.100	-7.5	Pass
Tetrachloro-m-xylene	2.81	Pass	0.095	0.100	-4.6	Pass
Decachlorobiphenyl	9.03	Pass	0.101	0.100	1.0	Pass

+/- 20% = Pass

4,4'-DDT % Breakdown: 4.1 Endrin % Breakdown: 8.4

Combined % Breakdown: 12.5

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SAMPLE ID: CS-6

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Lab Project#: 11-5141A Client Project #: 209280

Client Project Name: 690 St. Paul St.

LAB SAMPLE#: 17006

GC Column 1: Rtx-CLP ID: (mm) 0.25 Instrument ID: Instrument 1

GC Column 2: Rtx-CLP2 ID: (mm) 0.25 Date(s) Analyzed: 11/30/2011

Detector 1: ECD1 A

Detector 2: ECD2 B

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D	Q
4,4'-DDT	1	6.00	5.95	6.09	2.58 J		
	2	6.55	6.47	6.61	2.14 J	18.6	
	1						
	2						
	1						
	2						
	1						
	2						
	1						
	2						
	1						
	2						
	1						
	2						
	1						
	2						
	1						
	2						
	1						
	2						
	1						
	2						

%D=</= 40%; Passes

* = Outside QC limits

FORM X PEST

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SAMPLE ID: CS-7

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Lab Project#: 11-5141A Client Project #: 209280

Client Project Name: 690 St. Paul St.

LAB SAMPLE#: 17007

GC Column 1: Rtx-CLP ID: (mm) 0.25 Instrument ID: Instrument 1

GC Column 2: Rtx-CLP2 ID: (mm) 0.25 Date(s) Analyzed: 11/30/2011

Detector 1: ECD1 A

Detector 2: ECD2 B

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D	Q
4,4'-DDT	1	6.00	5.95	6.09	2.14 J		
	2	6.55	6.47	6.61	1.64 J	26.5	
	1						
	2						
	1						
	2						
	1						
	2						
	1						
	2						
	1						
	2						
	1						
	2						
	1						
	2						
	1						
	2						
	1						
	2						
	1						
	2						

%D=</= 40%; Passes

* = Outside QC limits

Pesticide Degradation Report

Date: 11/18/2011
Analyst: G.J.Brien
File# : 003F0401.D

11/18/11

Column A

% Breakdown of DDT = **0.6%**

$$\frac{\text{Area DDD + DDE}}{\text{Area DDT + DDD + DDE}} \times 100$$

Area DDT= 21011600
Area DDD= 0
Area DDE= 120976

% Breakdown of Endrin = **8.4%**

$$\frac{\text{Area EAldeh + E.Ketone}}{\text{Area Endrin + EAldeh + E.Ketone}} \times 100$$

Area Endrin= 12635800
Area EAldeh= 248782
Area EKetone= 904084

Column B

% Breakdown of DDT = **0.7%**

$$\frac{\text{Area DDD + DDE}}{\text{Area DDT + DDD + DDE}} \times 100$$

Area DDT= 21853300
Area DDD= 0
Area DDE= 162845

% Breakdown of Endrin = **7.8%**

$$\frac{\text{Area EAldeh + E.Ketone}}{\text{Area Endrin + EAldeh + E.Ketone}} \times 100$$

Area Endrin= 14749800
Area EAldeh= 249938
Area EKetone= 1003950

Pesticide Degradation Report

Date: 11/30/2011
Analyst: G.J.Brien
File# : 003F0401.D

✓ 12/1/11

Column A

% Breakdown of DDT = **3.2%** = (Area DDD + DDE) / (Area DDT + DDD + DDE) X 100

Area DDT= 18818900
Area DDD= 0
Area DDE= 624387

% Breakdown of Endrin = **8.0%** = (Area EAldeh + E.Ketone) / (Area Endrin + EAldeh + E.Ketone) X 100

Area Endrin= 17766800
Area EAldeh= 610974
Area EKetone= 933219

Column B

% Breakdown of DDT = **4.1%** = (Area DDD + DDE) / (Area DDT + DDD + DDE) X 100

Area DDT= 20105900
Area DDD= 124534
Area DDE= 736093

% Breakdown of Endrin = **8.4%** = (Area EAldeh + E.Ketone) / (Area Endrin + EAldeh + E.Ketone) X 100

Area Endrin= 19085100
Area EAldeh= 673327
Area EKetone= 1081100

Calibration Table

Calib. Data Modified : Friday, November 18, 2011 11:02:29 AM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 0.000 %
Abs. Reference Window : 0.160 min
Rel. Non-ref. Window : 0.000 %
Abs. Non-ref. Window : 0.160 min
Multiplier : 1.0000
Dilution : 1.0000
Sample Amount : 0.00000
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: Yes, even for non-identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Sample ISTD Information:

ISTD #	ISTD Amount [ng/ul]	Name
2	1.00000e-1	BNB-IS(B)
1	1.00000e-1	BNB-IS(A)

Signal 1: ECD1 A,
Signal 2: ECD2 B,

RetTime [min]	Sig	Lvl	Amount [ng/ul]	Area	Amt/Area	Ref	Grp	Name
2.156	2	1	1.00000e-1	2.75296e5	3.63245e-7	I2		BNB-IS(B)
		2	1.00000e-1	2.51855e5	3.97054e-7			
		3	1.00000e-1	2.31593e5	4.31793e-7			
		4	1.00000e-1	2.12270e5	4.71099e-7			
		5	1.00000e-1	2.51369e5	3.97822e-7			
		6	1.00000e-1	3.48536e5	2.86914e-7			
		7	1.00000e-1	2.65052e5	3.77285e-7			
2.214	1	1	1.00000e-1	2.09250e5	4.77897e-7	I1		BNB-IS(A)
		2	1.00000e-1	1.89486e5	5.27743e-7			
		3	1.00000e-1	1.71194e5	5.84134e-7			
		4	1.00000e-1	1.56537e5	6.38825e-7			
		5	1.00000e-1	1.86144e5	5.37219e-7			
		6	1.00000e-1	2.70573e5	3.69586e-7			
		7	1.00000e-1	2.00444e5	4.98893e-7			
2.738	1	1	5.00000e-3	8811.02539	5.67471e-7	1		TCmX
		2	1.00000e-2	1.54448e4	6.47466e-7			
		3	2.00000e-2	2.89550e4	6.90728e-7			

RetTime [min]	Sig	Lvl	Amount [ng/ul]	Area	Amt/Area	Ref	Grp	Name
		4	5.00000e-2	6.89577e4	7.25082e-7			
		5	1.00000e-1	1.80624e5	5.53635e-7			
		6	2.00000e-1	4.66482e5	4.28741e-7			
		7	4.00000e-1	6.93493e5	5.76790e-7			
2.806	2	1	5.00000e-3	1.16641e4	4.28666e-7	2		TCmX
		2	1.00000e-2	2.04255e4	4.89584e-7			
		3	2.00000e-2	3.88712e4	5.14519e-7			
		4	5.00000e-2	8.96808e4	5.57533e-7			
		5	1.00000e-1	2.22495e5	4.49449e-7			
		6	2.00000e-1	5.59294e5	3.57594e-7			
		7	4.00000e-1	8.19108e5	4.88336e-7			
3.163	1	1	5.00000e-3	6096.18457	8.20185e-7	1		a-BHC
		2	1.00000e-2	1.15840e4	8.63261e-7			
		3	2.00000e-2	2.38632e4	8.38112e-7			
		4	5.00000e-2	7.06677e4	7.07537e-7			
		5	1.00000e-1	2.11252e5	4.73369e-7			
		6	2.00000e-1	6.09044e5	3.28384e-7			
		7	4.00000e-1	9.17396e5	4.36017e-7			
3.304	2	1	5.00000e-3	9374.54492	5.33359e-7	2		a-BHC
		2	1.00000e-2	1.76876e4	5.65368e-7			
		3	2.00000e-2	3.55880e4	5.61988e-7			
		4	5.00000e-2	9.67667e4	5.16706e-7			
		5	1.00000e-1	2.74697e5	3.64038e-7			
		6	2.00000e-1	7.45279e5	2.68356e-7			
		7	4.00000e-1	1.11021e6	3.60292e-7			
3.425	1	1	5.00000e-3	6419.48926	7.78878e-7	1		g-BHC
		2	1.00000e-2	1.19060e4	8.39912e-7			
		3	2.00000e-2	2.43732e4	8.20575e-7			
		4	5.00000e-2	6.81265e4	7.33929e-7			
		5	1.00000e-1	1.96236e5	5.09591e-7			
		6	2.00000e-1	5.45986e5	3.66310e-7			
		7	4.00000e-1	8.14512e5	4.91091e-7			
3.499	1	1	5.00000e-3	4946.72998	1.01077e-6	1		b-BHC
		2	1.00000e-2	8620.13965	1.16007e-6			
		3	2.00000e-2	1.69753e4	1.17818e-6			
		4	5.00000e-2	4.03452e4	1.23930e-6			
		5	1.00000e-1	1.15011e5	8.69483e-7			
		6	2.00000e-1	3.01530e5	6.63285e-7			
		7	4.00000e-1	4.63433e5	8.63124e-7			
3.625	2	1	5.00000e-3	9660.81445	5.17555e-7	2		g-BHC
		2	1.00000e-2	1.77510e4	5.63347e-7			
		3	2.00000e-2	3.54290e4	5.64509e-7			
		4	5.00000e-2	9.14191e4	5.46932e-7			
		5	1.00000e-1	2.55708e5	3.91072e-7			
		6	2.00000e-1	6.69254e5	2.98840e-7			
		7	4.00000e-1	9.93094e5	4.02782e-7			
3.661	1	1	5.00000e-3	5040.65479	9.91935e-7	1		d-BHC
		2	1.00000e-2	9082.62402	1.10100e-6			
		3	2.00000e-2	1.88532e4	1.06083e-6			
		4	5.00000e-2	5.31962e4	9.39916e-7			
		5	1.00000e-1	1.78078e5	5.61552e-7			
		6	2.00000e-1	5.24802e5	3.81096e-7			
		7	4.00000e-1	8.18049e5	4.88968e-7			
3.698	2	1	5.00000e-3	6706.92871	7.45498e-7	2		b-BHC
		2	1.00000e-2	1.18341e4	8.45014e-7			
		3	2.00000e-2	2.28341e4	8.75885e-7			
		4	5.00000e-2	5.23043e4	9.55944e-7			
		5	1.00000e-1	1.43968e5	6.94598e-7			
		6	2.00000e-1	3.66304e5	5.45994e-7			
		7	4.00000e-1	5.56118e5	7.19272e-7			
3.845	1	1	5.00000e-3	1.10240e4	4.53558e-7	1		Heptachlor
		2	1.00000e-2	1.92170e4	5.20372e-7			
		3	2.00000e-2	3.68081e4	5.43358e-7			
		4	5.00000e-2	8.46050e4	5.90981e-7			
		5	1.00000e-1	2.24011e5	4.46407e-7			

RetTime [min]	Sig	Lvl	Amount [ng/ul]	Area	Amt/Area	Ref	Grp	Name
		6	2.00000e-1	5.42541e5	3.68635e-7			
		7	4.00000e-1	8.04276e5	4.97342e-7			
3.977	2	1	5.00000e-3	8683.25000	5.75821e-7		2	d-BHC
		2	1.00000e-2	1.46943e4	6.80538e-7			
		3	2.00000e-2	2.95213e4	6.77477e-7			
		4	5.00000e-2	7.70949e4	6.48551e-7			
		5	1.00000e-1	2.38082e5	4.20024e-7			
		6	2.00000e-1	6.46540e5	3.09339e-7			
		7	4.00000e-1	9.88310e5	4.04731e-7			
4.076	2	1	5.00000e-3	1.35427e4	3.69202e-7		2	Heptachlor
		2	1.00000e-2	2.33009e4	4.29167e-7			
		3	2.00000e-2	4.40249e4	4.54288e-7			
		4	5.00000e-2	9.88191e4	5.05975e-7			
		5	1.00000e-1	2.63290e5	3.79809e-7			
		6	2.00000e-1	6.36303e5	3.14316e-7			
		7	4.00000e-1	9.34174e5	4.28186e-7			
4.131	1	1	5.00000e-3	7469.88672	6.69354e-7		1	Aldrin
		2	1.00000e-2	1.30463e4	7.66503e-7			
		3	2.00000e-2	2.57358e4	7.77127e-7			
		4	5.00000e-2	6.37766e4	7.83987e-7			
		5	1.00000e-1	1.87192e5	5.34210e-7			
		6	2.00000e-1	4.89521e5	4.08563e-7			
		7	4.00000e-1	7.39832e5	5.40663e-7			
4.413	2	1	5.00000e-3	9724.33691	5.14174e-7		2	Aldrin
		2	1.00000e-2	1.65466e4	6.04353e-7			
		3	2.00000e-2	3.21263e4	6.22544e-7			
		4	5.00000e-2	7.56706e4	6.60759e-7			
		5	1.00000e-1	2.18014e5	4.58686e-7			
		6	2.00000e-1	5.57630e5	3.58661e-7			
		7	4.00000e-1	8.38419e5	4.77088e-7			
4.727	1	1	5.00000e-3	9485.74609	5.27107e-7		1	Heptachlor Epoxide
		2	1.00000e-2	1.60054e4	6.24790e-7			
		3	2.00000e-2	3.05233e4	6.55237e-7			
		4	5.00000e-2	6.78747e4	7.36651e-7			
		5	1.00000e-1	1.83059e5	5.46272e-7			
		6	2.00000e-1	4.52204e5	4.42278e-7			
		7	4.00000e-1	6.73850e5	5.93604e-7			
4.856	1	1	5.00000e-3	1.00170e4	4.99151e-7		1	g-Chlordane
		2	1.00000e-2	1.62485e4	6.15442e-7			
		3	2.00000e-2	3.10076e4	6.45002e-7			
		4	5.00000e-2	6.91287e4	7.23288e-7			
		5	1.00000e-1	1.93000e5	5.18135e-7			
		6	2.00000e-1	4.89414e5	4.08652e-7			
		7	4.00000e-1	7.49440e5	5.33732e-7			
4.992	1	1	5.00000e-3	9674.38574	5.16829e-7		1	a-Chlordane
		2	1.00000e-2	1.61217e4	6.20284e-7			
		3	2.00000e-2	3.14542e4	6.35845e-7			
		4	5.00000e-2	7.07189e4	7.07025e-7			
		5	1.00000e-1	1.94590e5	5.13902e-7			
		6	2.00000e-1	4.83972e5	4.13247e-7			
		7	4.00000e-1	7.39830e5	5.40665e-7			
5.015	2	1	5.00000e-3	1.11631e4	4.47904e-7		2	Heptachlor Epoxide
		2	1.00000e-2	1.88772e4	5.29740e-7			
		3	2.00000e-2	3.58913e4	5.57239e-7			
		4	5.00000e-2	7.97117e4	6.27260e-7			
		5	1.00000e-1	2.14233e5	4.66781e-7			
		6	2.00000e-1	5.19500e5	3.84985e-7			
		7	4.00000e-1	7.77464e5	5.14493e-7			
5.078	1	1	5.00000e-3	4820.13184	1.03732e-6		1	4,4'-DDE
		2	1.00000e-2	7855.74951	1.27295e-6			
		3	2.00000e-2	1.49899e4	1.33423e-6			
		4	5.00000e-2	3.44938e4	1.44954e-6			
		5	1.00000e-1	1.24891e5	8.00697e-7			
		6	2.00000e-1	3.69417e5	5.41394e-7			
		7	4.00000e-1	5.91186e5	6.76606e-7			

RetTime [min]	Sig	Lvl	Amount [ng/ul]	Area	Amt/Area	Ref	Grp	Name
5.133	1	1	5.00000e-3	9823.44531	5.08986e-7	1		Endosulfan I
		2	1.00000e-2	1.60565e4	6.22802e-7			
		3	2.00000e-2	3.26115e4	6.13280e-7			
		4	5.00000e-2	7.36869e4	6.78546e-7			
		5	1.00000e-1	2.01987e5	4.95081e-7			
		6	2.00000e-1	4.92856e5	4.05798e-7			
		7	4.00000e-1	7.45595e5	5.36485e-7			
5.216	2	1	5.00000e-3	1.14040e4	4.38444e-7	2		g-Chlordane
		2	1.00000e-2	1.84613e4	5.41673e-7			
		3	2.00000e-2	3.54434e4	5.64280e-7			
		4	5.00000e-2	7.90653e4	6.32388e-7			
		5	1.00000e-1	2.20944e5	4.52603e-7			
		6	2.00000e-1	5.51065e5	3.62934e-7			
		7	4.00000e-1	8.46778e5	4.72379e-7			
5.373	2	1	5.00000e-3	1.14996e4	4.34798e-7	2		a-Chlordane
		2	1.00000e-2	1.87102e4	5.34468e-7			
		3	2.00000e-2	3.60411e4	5.54922e-7			
		4	5.00000e-2	7.98869e4	6.25885e-7			
		5	1.00000e-1	2.20528e5	4.53456e-7			
		6	2.00000e-1	5.39400e5	3.70783e-7			
		7	4.00000e-1	8.26008e5	4.84257e-7			
5.387	1	1	5.00000e-3	7494.49268	6.67157e-7	1		Dieldrin
		2	1.00000e-2	1.24376e4	8.04015e-7			
		3	2.00000e-2	2.44514e4	8.17950e-7			
		4	5.00000e-2	5.69455e4	8.78032e-7			
		5	1.00000e-1	1.69668e5	5.89387e-7			
		6	2.00000e-1	4.35958e5	4.58759e-7			
		7	4.00000e-1	6.82757e5	5.85860e-7			
5.448	2	1	5.00000e-3	1.03561e4	4.82807e-7	2		Endosulfan I
		2	1.00000e-2	1.67894e4	5.95614e-7			
		3	2.00000e-2	3.24070e4	6.17151e-7			
		4	5.00000e-2	7.25762e4	6.88931e-7			
		5	1.00000e-1	2.03279e5	4.91936e-7			
		6	2.00000e-1	4.98760e5	4.00994e-7			
		7	4.00000e-1	7.65607e5	5.22461e-7			
5.544	2	1	5.00000e-3	9774.19531	5.11551e-7	2		4,4'-DDE
		2	1.00000e-2	1.56077e4	6.40710e-7			
		3	2.00000e-2	3.05500e4	6.54664e-7			
		4	5.00000e-2	6.90190e4	7.24438e-7			
		5	1.00000e-1	2.03786e5	4.90710e-7			
		6	2.00000e-1	5.12908e5	3.89933e-7			
		7	4.00000e-1	8.02496e5	4.98445e-7			
5.637	1	1	5.00000e-3	7318.30371	6.83218e-7	1		Endrin
		2	1.00000e-2	1.17019e4	8.54565e-7			
		3	2.00000e-2	2.23847e4	8.93468e-7			
		4	5.00000e-2	5.20804e4	9.60054e-7			
		5	1.00000e-1	1.52743e5	6.54695e-7			
		6	2.00000e-1	4.06485e5	4.92023e-7			
		7	4.00000e-1	6.16018e5	6.49331e-7			
5.719	1	1	5.00000e-3	4189.48682	1.19346e-6	1		4,4'-DDD
		2	1.00000e-2	6685.43408	1.49579e-6			
		3	2.00000e-2	1.32974e4	1.50405e-6			
		4	5.00000e-2	3.09317e4	1.61646e-6			
		5	1.00000e-1	1.09169e5	9.16009e-7			
		6	2.00000e-1	3.16331e5	6.32249e-7			
		7	4.00000e-1	5.31980e5	7.51908e-7			
5.748	2	1	5.00000e-3	9409.63574	5.31370e-7	2		Dieldrin
		2	1.00000e-2	1.55393e4	6.43530e-7			
		3	2.00000e-2	3.02292e4	6.61612e-7			
		4	5.00000e-2	6.92874e4	7.21632e-7			
		5	1.00000e-1	2.03432e5	4.91565e-7			
		6	2.00000e-1	5.08340e5	3.93437e-7			
		7	4.00000e-1	7.94225e5	5.03636e-7			
5.878	1	1	5.00000e-3	7903.19580	6.32655e-7	1		Endosulfan II
		2	1.00000e-2	1.29770e4	7.70593e-7			

RetTime [min]	Sig	Lvl	Amount [ng/ul]	Area	Amt/Area	Ref	Grp	Name
		3	2.00000e-2	2.56316e4	7.80287e-7			
		4	5.00000e-2	5.66873e4	8.82033e-7			
		5	1.00000e-1	1.60127e5	6.24504e-7			
		6	2.00000e-1	3.90882e5	5.11664e-7			
		7	4.00000e-1	6.13359e5	6.52147e-7			
6.021	1	1	5.00000e-3	5894.64697	8.48227e-7	1		4,4'-DDT
		2	1.00000e-2	9221.65332	1.08440e-6			
		3	2.00000e-2	1.89840e4	1.05352e-6			
		4	5.00000e-2	4.49625e4	1.11204e-6			
		5	1.00000e-1	1.47114e5	6.79746e-7			
		6	2.00000e-1	3.84844e5	5.19690e-7			
		7	4.00000e-1	6.29295e5	6.35632e-7			
6.077	2	1	5.00000e-3	8811.54980	5.67437e-7	2		Endrin
		2	1.00000e-2	1.41732e4	7.05555e-7			
		3	2.00000e-2	2.67941e4	7.46434e-7			
		4	5.00000e-2	6.09117e4	8.20860e-7			
		5	1.00000e-1	1.76031e5	5.68081e-7			
		6	2.00000e-1	4.58442e5	4.36260e-7			
		7	4.00000e-1	6.90749e5	5.79081e-7			
6.197	2	1	5.00000e-3	5843.61377	8.55635e-7	2		4,4'-DDD
		2	1.00000e-2	9448.64551	1.05835e-6			
		3	2.00000e-2	1.87382e4	1.06734e-6			
		4	5.00000e-2	4.30524e4	1.16138e-6			
		5	1.00000e-1	1.41778e5	7.05327e-7			
		6	2.00000e-1	3.73597e5	5.35336e-7			
		7	4.00000e-1	6.03147e5	6.63189e-7			
6.316	2	1	5.00000e-3	9474.55957	5.27729e-7	2		Endosulfan II
		2	1.00000e-2	1.54873e4	6.45692e-7			
		3	2.00000e-2	3.00901e4	6.64671e-7			
		4	5.00000e-2	6.57866e4	7.60033e-7			
		5	1.00000e-1	1.85696e5	5.38516e-7			
		6	2.00000e-1	4.43804e5	4.50650e-7			
		7	4.00000e-1	6.87118e5	5.82142e-7			
6.337	1	1	5.00000e-3	7227.91992	6.91762e-7	1		Endrin Aldehyde
		2	1.00000e-2	1.06942e4	9.35086e-7			
		3	2.00000e-2	2.06080e4	9.70496e-7			
		4	5.00000e-2	4.47224e4	1.11801e-6			
		5	1.00000e-1	1.25843e5	7.94643e-7			
		6	2.00000e-1	3.46107e5	5.77857e-7			
		7	4.00000e-1	4.93382e5	8.10731e-7			
6.550	2	1	5.00000e-3	7453.05322	6.70866e-7	2		4,4'-DDT
		2	1.00000e-2	1.15675e4	8.64488e-7			
		3	2.00000e-2	2.33239e4	8.57489e-7			
		4	5.00000e-2	5.35798e4	9.33187e-7			
		5	1.00000e-1	1.71483e5	5.83147e-7			
		6	2.00000e-1	4.31211e5	4.63810e-7			
		7	4.00000e-1	6.91163e5	5.78735e-7			
6.569	1	1	5.00000e-3	4619.63232	1.08234e-6	1		Methoxychlor
		2	1.00000e-2	7067.75000	1.41488e-6			
		3	2.00000e-2	1.41144e4	1.41700e-6			
		4	5.00000e-2	3.18621e4	1.56926e-6			
		5	1.00000e-1	9.19069e4	1.08806e-6			
		6	2.00000e-1	2.12236e5	9.42348e-7			
		7	4.00000e-1	3.54722e5	1.12764e-6			
6.702	2	1	5.00000e-3	8449.73438	5.91735e-7	2		Endrin Aldehyde
		2	1.00000e-2	1.25656e4	7.95825e-7			
		3	2.00000e-2	2.43729e4	8.20583e-7			
		4	5.00000e-2	5.07899e4	9.84447e-7			
		5	1.00000e-1	1.48284e5	6.74380e-7			
		6	2.00000e-1	3.68266e5	5.43085e-7			
		7	4.00000e-1	5.53985e5	7.22041e-7			
6.819	1	1	5.00000e-3	7213.65771	6.93130e-7	1		Endosulfan Sulphate
		2	1.00000e-2	1.14069e4	8.76662e-7			
		3	2.00000e-2	2.25354e4	8.87493e-7			
		4	5.00000e-2	4.92287e4	1.01567e-6			

RetTime [min]	Sig	Lvl	Amount [ng/ul]	Area	Amt/Area	Ref	Grp	Name
		5	1.00000e-1	1.41251e5	7.07961e-7			
		6	2.00000e-1	3.42282e5	5.84313e-7			
		7	4.00000e-1	5.49442e5	7.28012e-7			
7.041	2	1	5.00000e-3	8434.82422	5.92781e-7		2	Endosulfan Sulphate
		2	1.00000e-2	1.34424e4	7.43916e-7			
		3	2.00000e-2	2.61290e4	7.65433e-7			
		4	5.00000e-2	5.62219e4	8.89333e-7			
		5	1.00000e-1	1.62040e5	6.17132e-7			
		6	2.00000e-1	3.85878e5	5.18298e-7			
		7	4.00000e-1	6.10688e5	6.54999e-7			
7.139	1	1	5.00000e-3	8330.72266	6.00188e-7		1	Endrin Ketone
		2	1.00000e-2	1.30330e4	7.67285e-7			
		3	2.00000e-2	2.69676e4	7.41631e-7			
		4	5.00000e-2	6.02003e4	8.30561e-7			
		5	1.00000e-1	1.78428e5	5.60451e-7			
		6	2.00000e-1	4.16561e5	4.80122e-7			
		7	4.00000e-1	6.62378e5	6.03885e-7			
7.310	2	1	5.00000e-3	5623.61768	8.89107e-7		2	Methoxychlor
		2	1.00000e-2	8393.13574	1.19145e-6			
		3	2.00000e-2	1.62182e4	1.23318e-6			
		4	5.00000e-2	3.36346e4	1.48656e-6			
		5	1.00000e-1	9.43608e4	1.05976e-6			
		6	2.00000e-1	2.19559e5	9.10919e-7			
		7	4.00000e-1	3.50712e5	1.14054e-6			
7.621	2	1	5.00000e-3	9401.65723	5.31821e-7		2	Endrin Ketone
		2	1.00000e-2	1.52155e4	6.57223e-7			
		3	2.00000e-2	3.10221e4	6.44702e-7			
		4	5.00000e-2	6.88624e4	7.26085e-7			
		5	1.00000e-1	2.03423e5	4.91586e-7			
		6	2.00000e-1	4.62876e5	4.32081e-7			
		7	4.00000e-1	7.41435e5	5.39494e-7			
8.312	1	1	5.00000e-3	1.28255e4	3.89849e-7		1	DCBP
		2	1.00000e-2	1.91073e4	5.23362e-7			
		3	2.00000e-2	3.75369e4	5.32808e-7			
		4	5.00000e-2	7.30554e4	6.84412e-7			
		5	1.00000e-1	1.84812e5	5.41090e-7			
		6	2.00000e-1	3.84945e5	5.19554e-7			
		7	4.00000e-1	6.03773e5	6.62501e-7			
9.040	2	1	5.00000e-3	1.31351e4	3.80659e-7		2	DCBP
		2	1.00000e-2	1.97249e4	5.06972e-7			
		3	2.00000e-2	3.84271e4	5.20467e-7			
		4	5.00000e-2	7.57030e4	6.60476e-7			
		5	1.00000e-1	1.93917e5	5.15685e-7			
		6	2.00000e-1	4.02559e5	4.96822e-7			
		7	4.00000e-1	6.39271e5	6.25713e-7			

More compound-specific settings:

Compound: Heptachlor Epoxide
  Time Window : From 4.647 min To 4.807 min

Compound: Heptachlor Epoxide
  Time Window : From 4.935 min To 5.095 min

Compound: Endosulfan II
  Time Window : From 5.798 min To 5.958 min

Compound: Endosulfan Sulphate
  Time Window : From 6.739 min To 6.899 min

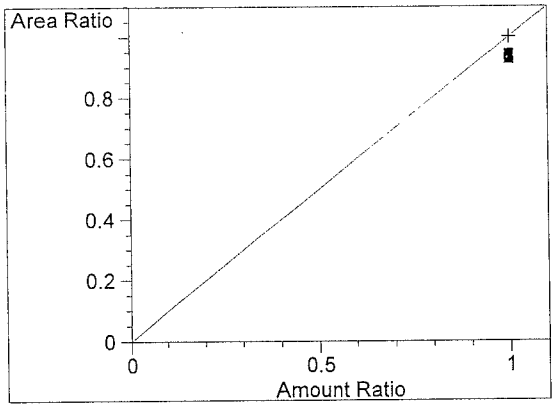
16 Warnings or Errors (10 first messages follow) :

Warning : Overlapping peak time windows at 3.425 min, signal 1
Warning : Overlapping peak time windows at 4.727 min, signal 1
Warning : Overlapping peak time windows at 4.856 min, signal 1

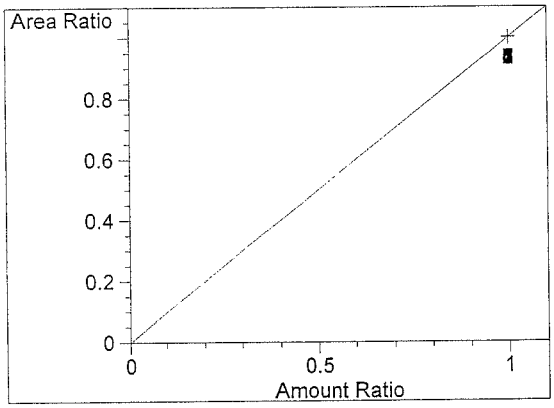
```
Warning : Overlapping peak time windows at 4.992 min, signal 1
Warning : Overlapping peak time windows at 5.078 min, signal 1
Warning : Overlapping peak time windows at 5.637 min, signal 1
Warning : Overlapping peak time windows at 5.719 min, signal 1
Warning : Overlapping peak time windows at 5.878 min, signal 1
Warning : Overlapping peak time windows at 3.625 min, signal 2
Warning : Overlapping peak time windows at 3.977 min, signal 2

================================================================================
                              Peak Sum Table
================================================================================

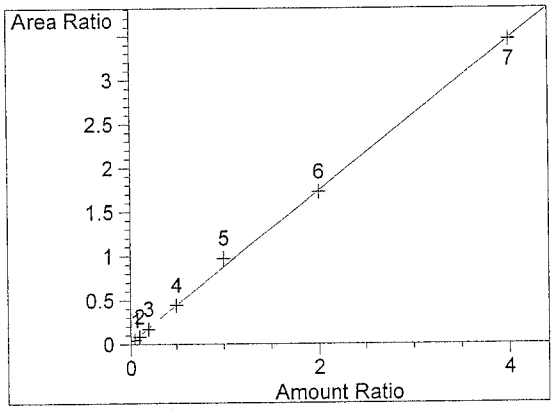
***No Entries in table***
================================================================================
================================================================================
                            Calibration Curves
================================================================================
```



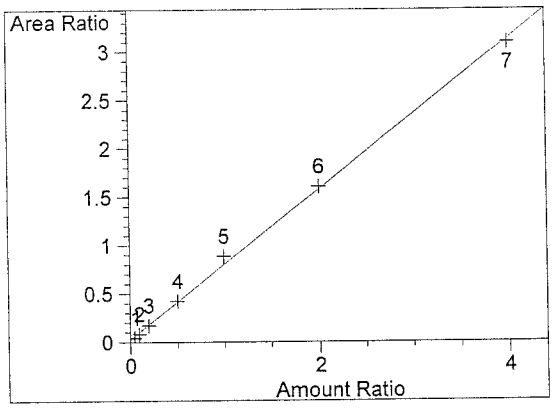

```
BNB-IS(B) at exp. RT: 2.156
ECD2 B,
Correlation:                1.00000
Residual Std. Dev.:         0.00000
Formula: y = mx + b
      m:          1.00000
      b:          0.00000
      x: Amount Ratio
      y: Area Ratio
```



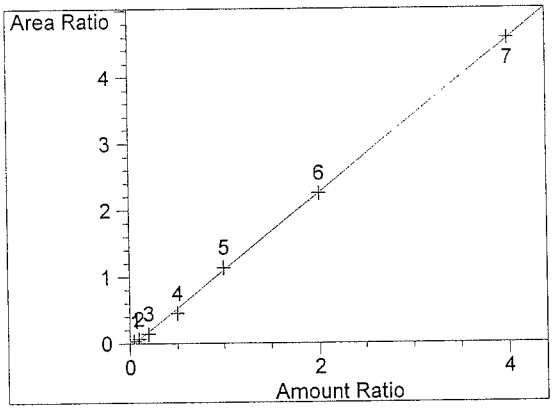

```
BNB-IS(A) at exp. RT: 2.214
ECD1 A,
Correlation:                1.00000
Residual Std. Dev.:         0.00000
Formula: y = mx + b
      m:          1.00000
      b:          0.00000
      x: Amount Ratio
      y: Area Ratio
```



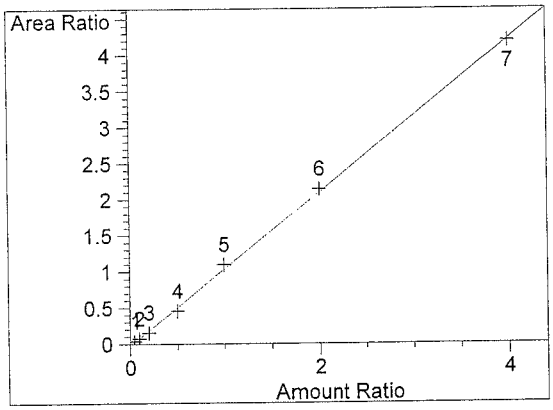

```
TCmX at exp. RT: 2.738
ECD1 A,
Correlation:                0.99951
Residual Std. Dev.:         0.04094
Formula: y = mx + b
      m:          8.64992e-1
      b:          1.21590e-2
      x: Amount Ratio
      y: Area Ratio
```



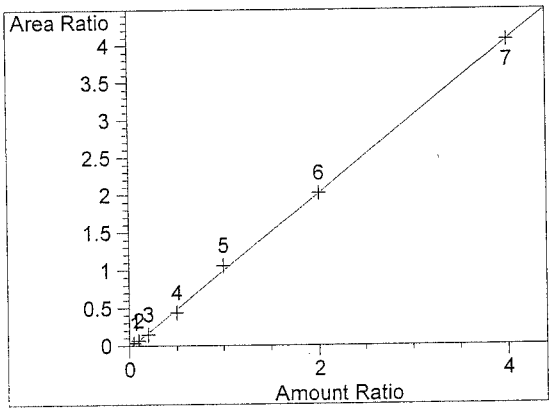
TCmX at exp. RT: 2.806
ECD2 B,
Correlation: 0.99932
Residual Std. Dev.: 0.04301
Formula: y = mx + b
m: 7.74654e-1
b: 2.66196e-2
x: Amount Ratio
y: Area Ratio



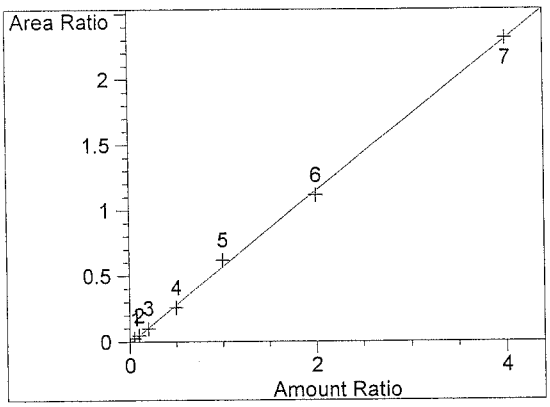
a-BHC at exp. RT: 3.163
ECD1 A,
Correlation: 0.99969
Residual Std. Dev.: 0.04364
Formula: y = mx + b
m: 1.15617
b: -5.40227e-2
x: Amount Ratio
y: Area Ratio



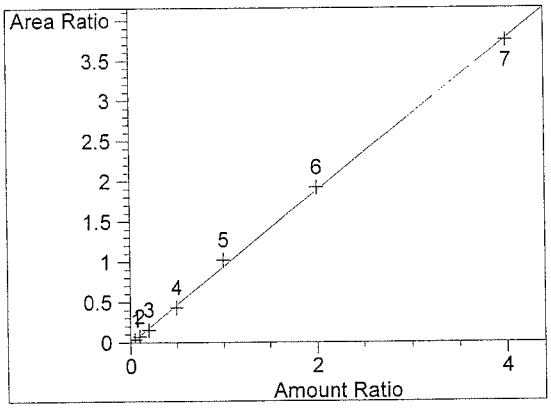
a-BHC at exp. RT: 3.304
ECD2 B,
Correlation: 0.99967
Residual Std. Dev.: 0.04122
Formula: y = mx + b
m: 1.05961
b: -2.30439e-2
x: Amount Ratio
y: Area Ratio



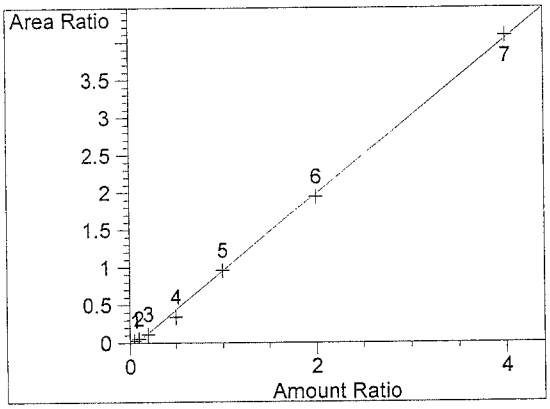
g-BHC at exp. RT: 3.425
ECD1 A,
Correlation: 0.99972
Residual Std. Dev.: 0.03637
Formula: y = mx + b
m: 1.02485
b: -2.97958e-2
x: Amount Ratio
y: Area Ratio



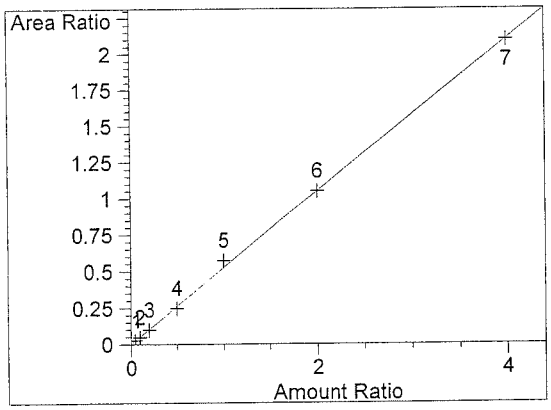
b-BHC at exp. RT: 3.499
ECD1 A,
Correlation: 0.99954
Residual Std. Dev.: 0.02641
Formula: y = mx + b
m: 5.78155e-1
b: -8.52356e-3
x: Amount Ratio
y: Area Ratio



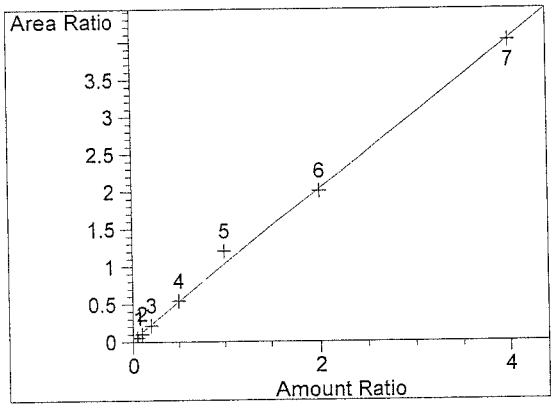
g-BHC at exp. RT: 3.625
ECD2 B,
Correlation: 0.99956
Residual Std. Dev.: 0.04232
Formula: y = mx + b
m: 9.45928e-1
b: -6.50865e-3
x: Amount Ratio
y: Area Ratio



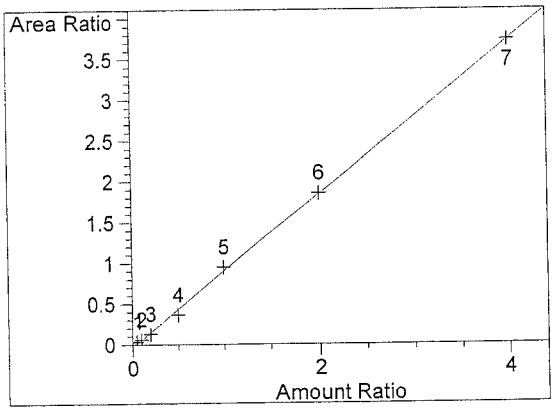
d-BHC at exp. RT: 3.661
ECD1 A,
Correlation: 0.99923
Residual Std. Dev.: 0.06069
Formula: y = mx + b
m: 1.02942
b: -7.26848e-2
x: Amount Ratio
y: Area Ratio



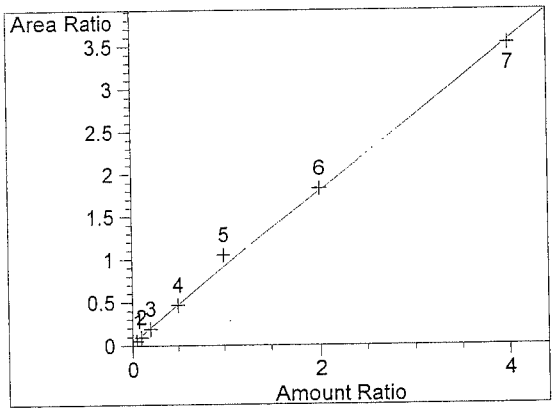
b-BHC at exp. RT: 3.698
ECD2 B,
Correlation: 0.99966
Residual Std. Dev.: 0.02067
Formula: y = mx + b
m: 5.26152e-1
b: 9.90236e-4
x: Amount Ratio
y: Area Ratio



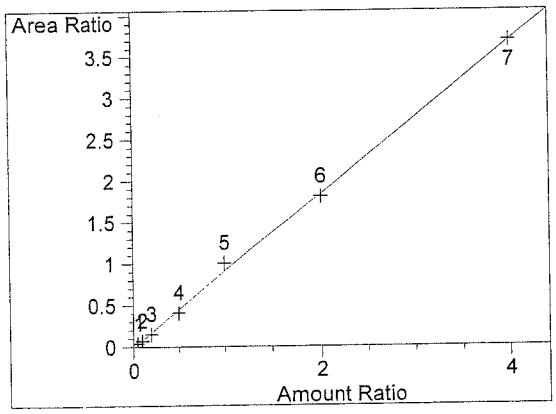
Heptachlor at exp. RT: 3.845
ECD1 A,
Correlation: 0.99877
Residual Std. Dev.: 0.07481
Formula: y = mx + b
m: 1.00087
b: 3.42313e-2
x: Amount Ratio
y: Area Ratio



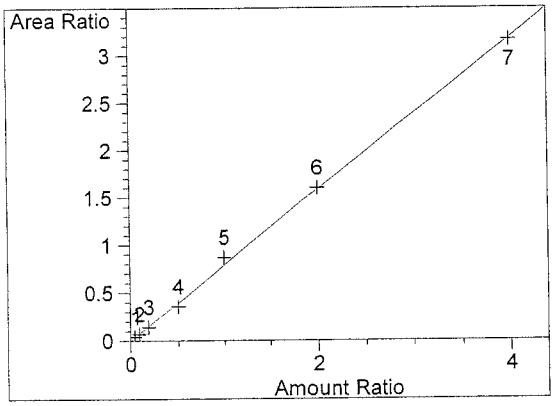
d-BHC at exp. RT: 3.977
ECD2 B,
Correlation: 0.99962
Residual Std. Dev.: 0.03924
Formula: y = mx + b
m: 9.41826e-1
b: -3.52358e-2
x: Amount Ratio
y: Area Ratio



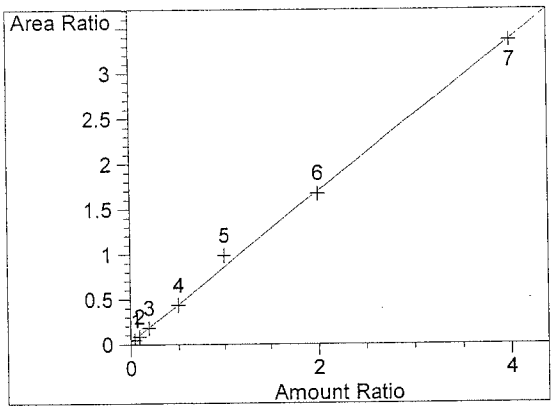
Heptachlor at exp. RT: 4.076
ECD2 B,
Correlation: 0.99893
Residual Std. Dev.: 0.06161
Formula: y = mx + b
m: 8.83785e-1
b: 3.21501e-2
x: Amount Ratio
y: Area Ratio



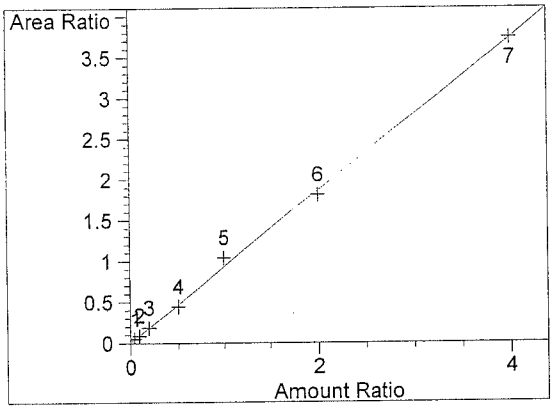
Aldrin at exp. RT: 4.131
ECD1 A,
Correlation: 0.99948
Residual Std. Dev.: 0.04481
Formula: y = mx + b
m: 9.26246e-1
b: -1.28659e-2
x: Amount Ratio
y: Area Ratio



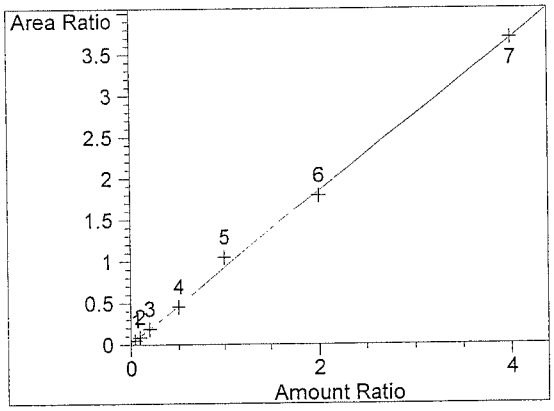
Aldrin at exp. RT: 4.413
ECD2 B,
Correlation: 0.99954
Residual Std. Dev.: 0.03623
Formula: y = mx + b
m: 7.95934e-1
b: -2.67542e-3
x: Amount Ratio
y: Area Ratio



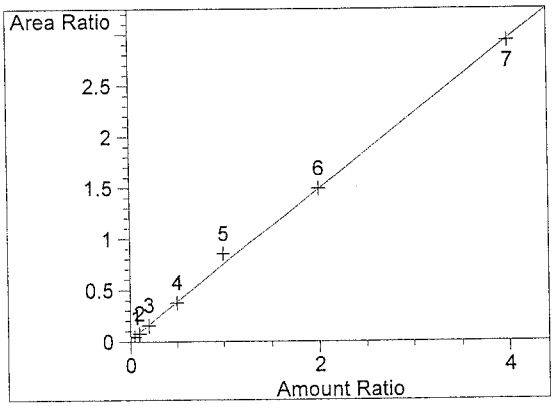
Heptachlor Epoxide at exp. RT: 4.727
ECD1 A,
Correlation: 0.99908
Residual Std. Dev.: 0.05409
Formula: y = mx + b
m: 8.38611e-1
b: 2.18878e-2
x: Amount Ratio
y: Area Ratio



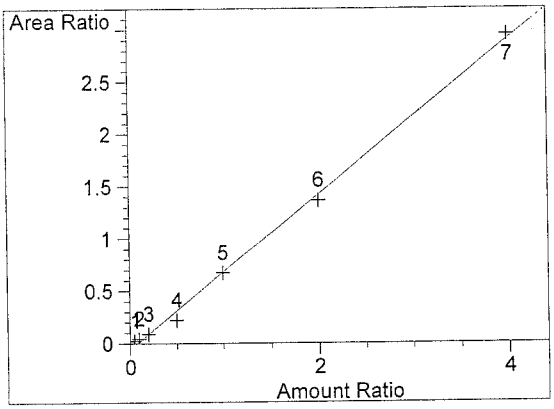
g-Chlordane at exp. RT: 4.856
ECD1 A,
Correlation: 0.99938
Residual Std. Dev.: 0.04960
Formula: y = mx + b
m: 9.31992e-1
b: 3.09537e-3
x: Amount Ratio
y: Area Ratio



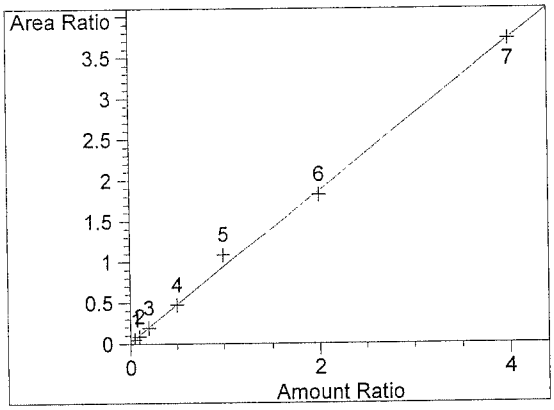
a-Chlordane at exp. RT: 4.992
ECD1 A,
Correlation: 0.99922
Residual Std. Dev.: 0.05473
Formula: y = mx + b
m: 9.19501e-1
b: 9.22029e-3
x: Amount Ratio
y: Area Ratio



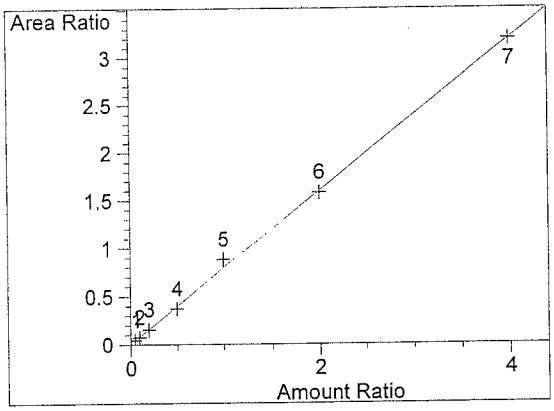
Heptachlor Epoxide at exp. RT: 5.015
ECD2 B,
Correlation: 0.99922
Residual Std. Dev.: 0.04369
Formula: y = mx + b
m: 7.34106e-1
b: 1.99142e-2
x: Amount Ratio
y: Area Ratio



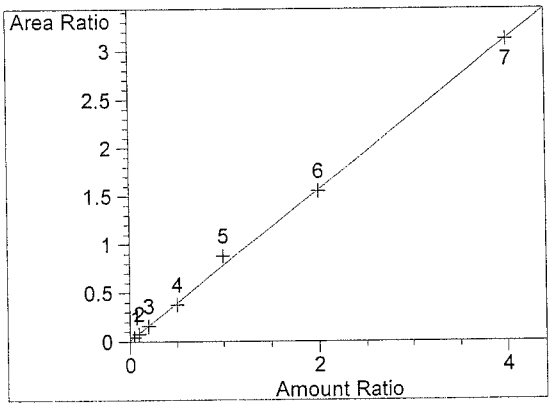
4,4'-DDE at exp. RT: 5.078
ECD1 A,
Correlation: 0.99867
Residual Std. Dev.: 0.05760
Formula: y = mx + b
m: 7.40790e-1
b: -5.71442e-2
x: Amount Ratio
y: Area Ratio



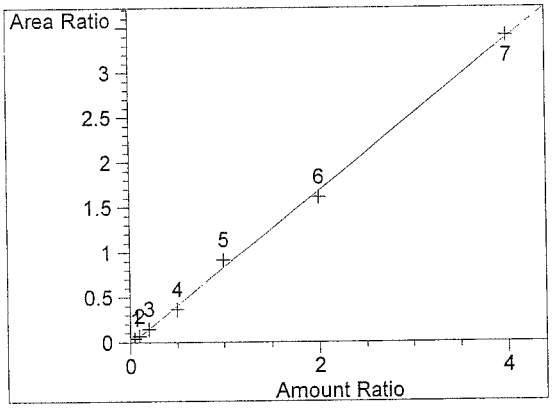
Endosulfan I at exp. RT: 5.133
ECD1 A,
Correlation: 0.99898
Residual Std. Dev.: 0.06298
Formula: y = mx + b
m: 9.27314e-1
b: 1.74823e-2
x: Amount Ratio
y: Area Ratio



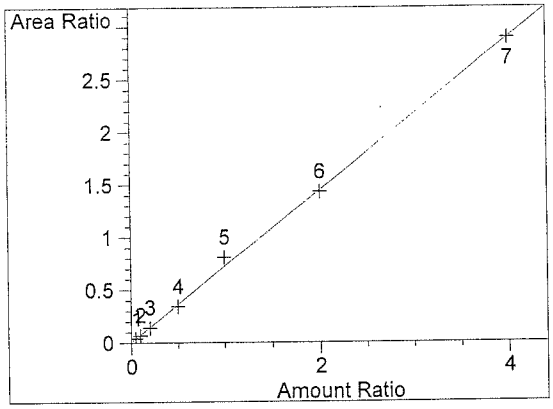
g-Chlordane at exp. RT: 5.216
ECD2 B,
Correlation: 0.99957
Residual Std. Dev.: 0.03521
Formula: y = mx + b
m: 7.99241e-1
b: 2.62757e-3
x: Amount Ratio
y: Area Ratio



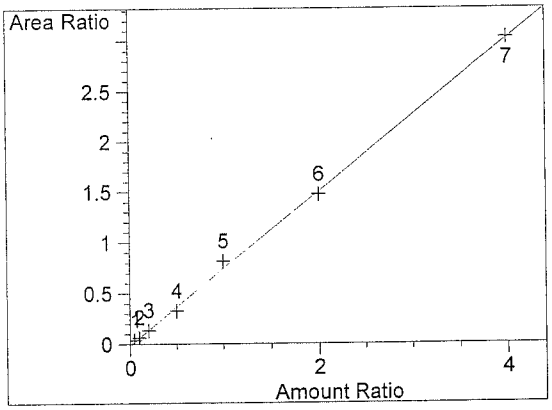
a-Chlordane at exp. RT: 5.373
ECD2 B,
Correlation: 0.99944
Residual Std. Dev.: 0.03932
Formula: y = mx + b
m: 7.78963e-1
b: 9.31206e-3
x: Amount Ratio
y: Area Ratio



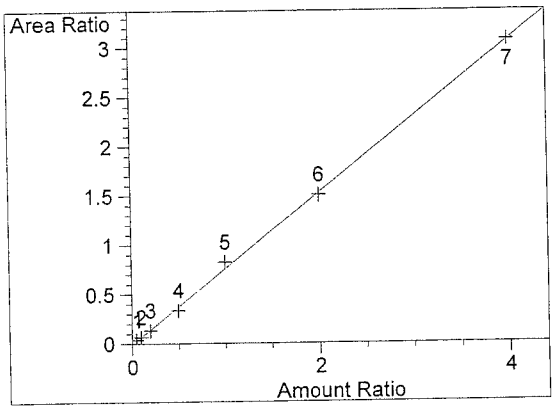
Dieldrin at exp. RT: 5.387
ECD1 A,
Correlation: 0.99927
Residual Std. Dev.: 0.04883
Formula: y = mx + b
m: 8.50258e-1
b: -1.71874e-2
x: Amount Ratio
y: Area Ratio



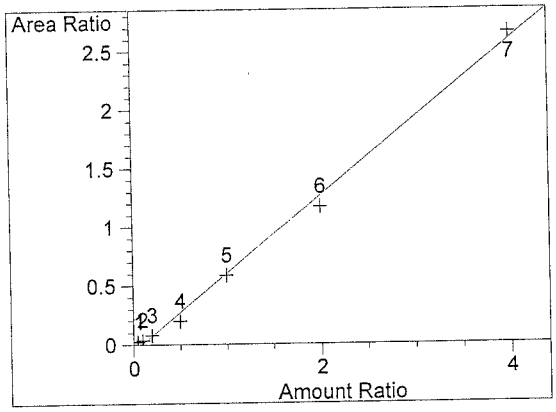
Endosulfan I at exp. RT: 5.448
ECD2 B,
Correlation: 0.99945
Residual Std. Dev.: 0.03612
Formula: y = mx + b
m: 7.22449e-1
b: 5.38888e-3
x: Amount Ratio
y: Area Ratio



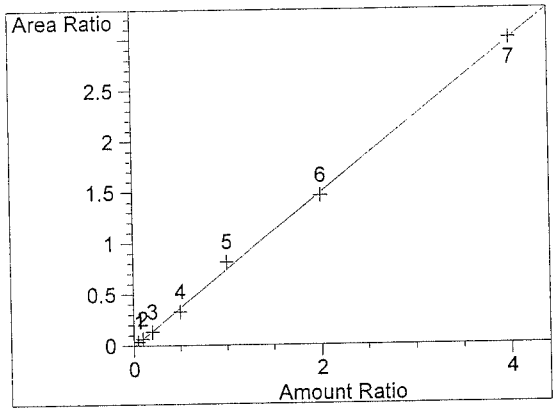
4,4'-DDE at exp. RT: 5.544
ECD2 B,
Correlation: 0.99953
Residual Std. Dev.: 0.03496
Formula: y = mx + b
m: 7.57888e-1
b: -1.06099e-2
x: Amount Ratio
y: Area Ratio



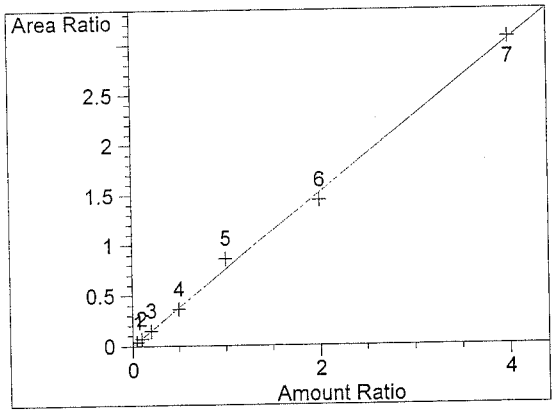
Endrin at exp. RT: 5.637
ECD1 A,
Correlation: 0.99959
Residual Std. Dev.: 0.03309
Formula: y = mx + b
m: 7.70168e-1
b: -1.11855e-2
x: Amount Ratio
y: Area Ratio



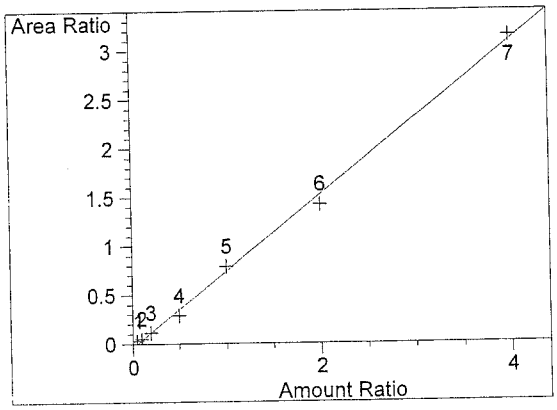
4,4'-DDD at exp. RT: 5.719
ECD1 A,
Correlation: 0.99786
Residual Std. Dev.: 0.06531
Formula: y = mx + b
m: 6.62391e-1
b: -5.74484e-2
x: Amount Ratio
y: Area Ratio



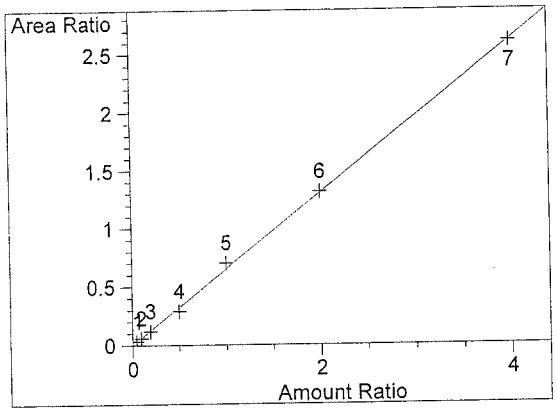
Dieldrin at exp. RT: 5.748
ECD2 B,
Correlation: 0.99951
Residual Std. Dev.: 0.03549
Formula: y = mx + b
m: 7.50121e-1
b: -8.91806e-3
x: Amount Ratio
y: Area Ratio



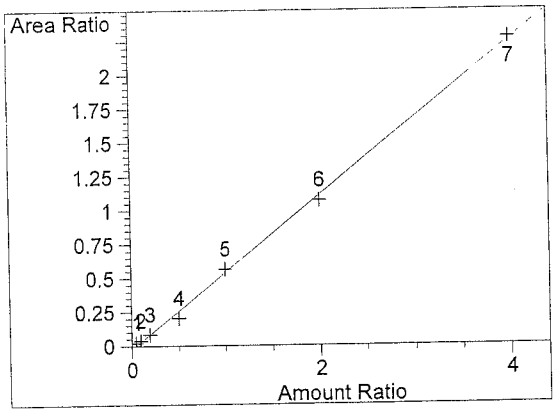
Endosulfan II at exp. RT: 5.878
ECD1 A,
Correlation: 0.99895
Residual Std. Dev.: 0.05239
Formula: y = mx + b
m: 7.60200e-1
b: 1.92805e-3
x: Amount Ratio
y: Area Ratio



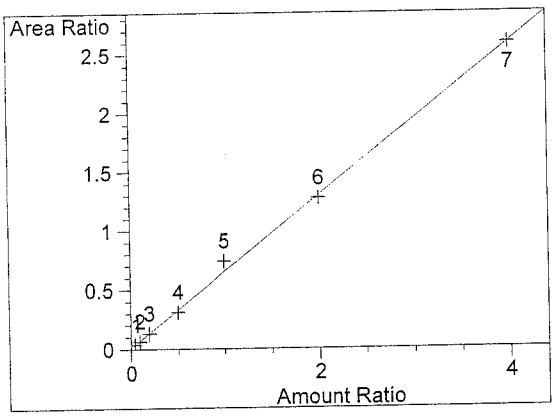
4,4'-DDT at exp. RT: 6.021
ECD1 A,
Correlation: 0.99869
Residual Std. Dev.: 0.06049
Formula: y = mx + b
m: 7.82902e-1
b: -3.98320e-2
x: Amount Ratio
y: Area Ratio



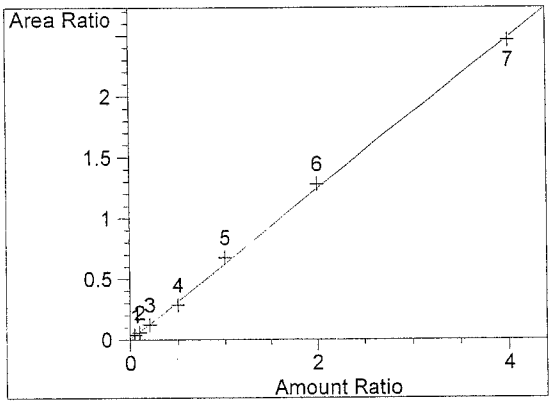
Endrin at exp. RT: 6.077
ECD2 B,
Correlation: 0.99965
Residual Std. Dev.: 0.02623
Formula: y = mx + b
m: 6.55338e-1
b: -3.96872e-3
x: Amount Ratio
y: Area Ratio



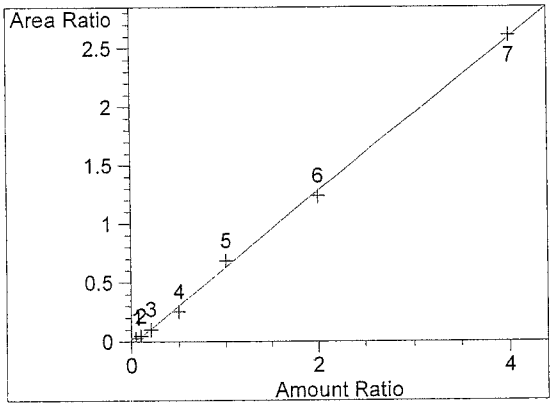
4,4'-DDD at exp. RT: 6.197
ECD2 B,
Correlation: 0.99922
Residual Std. Dev.: 0.03389
Formula: y = mx + b
m: 5.70479e-1
b: -2.80352e-2
x: Amount Ratio
y: Area Ratio



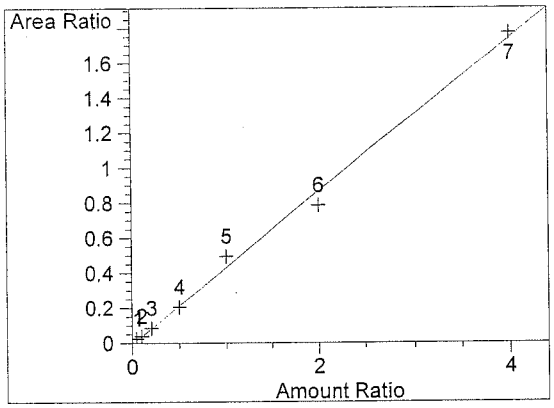
Endosulfan II at exp. RT: 6.316
ECD2 B,
Correlation: 0.99925
Residual Std. Dev.: 0.03784
Formula: y = mx + b
m: 6.47070e-1
b: 7.59004e-3
x: Amount Ratio
y: Area Ratio



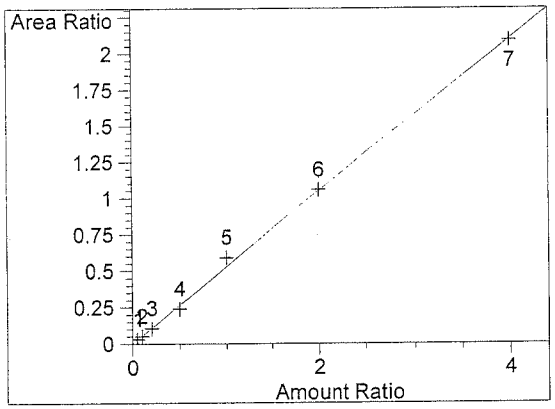
Endrin Aldehyde at exp. RT: 6.337
ECD1 A,
Correlation: 0.99948
Residual Std. Dev.: 0.02998
Formula: y = mx + b
m: 6.20079e-1
b: 5.76249e-3
x: Amount Ratio
y: Area Ratio



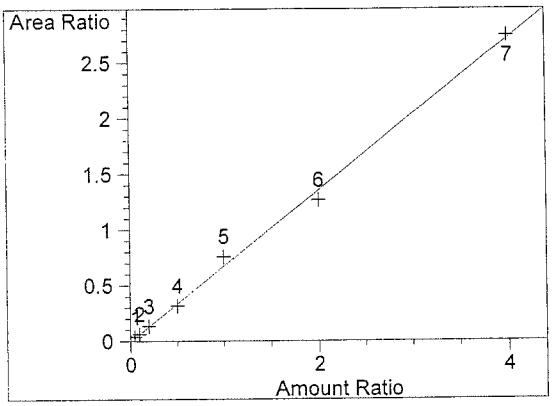
4,4'-DDT at exp. RT: 6.550
ECD2 B,
Correlation: 0.99925
Residual Std. Dev.: 0.03798
Formula: y = mx + b
m: 6.52898e-1
b: -2.15081e-2
x: Amount Ratio
y: Area Ratio



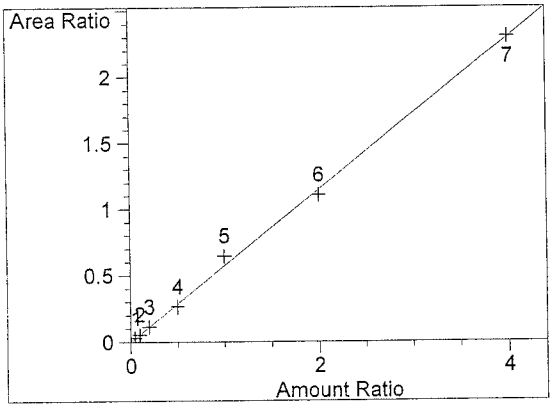
Methoxychlor at exp. RT: 6.569
ECD1 A,
Correlation: 0.99772
Residual Std. Dev.: 0.04440
Formula: y = mx + b
m: 4.36392e-1
b: -4.06156e-3
x: Amount Ratio
y: Area Ratio



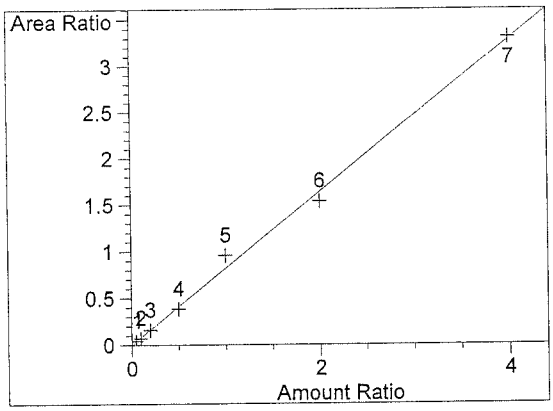
Endrin Aldehyde at exp. RT: 6.702
ECD2 B,
Correlation: 0.99937
Residual Std. Dev.: 0.02800
Formula: y = mx + b
m: 5.24061e-1
b: 5.97997e-3
x: Amount Ratio
y: Area Ratio



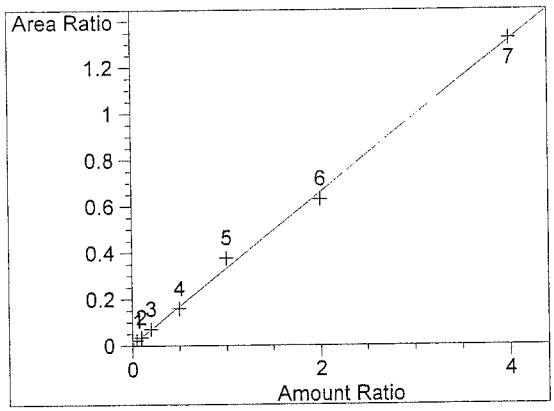
Endosulfan Sulphate at exp. RT: 6.819
ECD1 A,
Correlation: 0.99871
Residual Std. Dev.: 0.05208
Formula: y = mx + b
m: 6.79310e-1
b: -3.35138e-3
x: Amount Ratio
y: Area Ratio



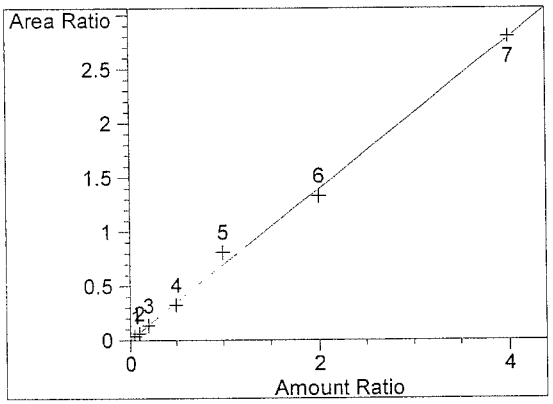
Endosulfan Sulphate at exp. RT: 7.041
ECD2 B,
Correlation: 0.99919
Residual Std. Dev.: 0.03469
Formula: y = mx + b
m: 5.73845e-1
b: 1.60229e-3
x: Amount Ratio
y: Area Ratio



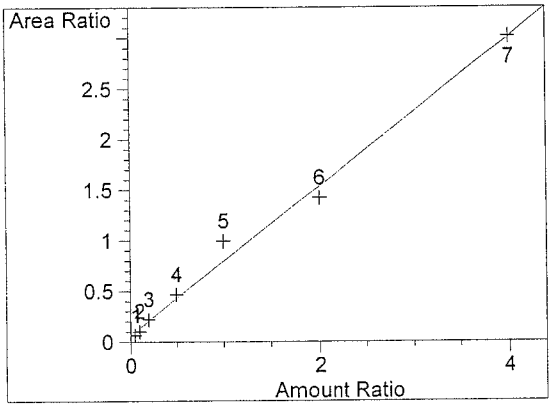
Endrin Ketone at exp. RT: 7.139
ECD1 A,
Correlation: 0.99833
Residual Std. Dev.: 0.07155
Formula: y = mx + b
m: 8.20327e-1
b: 1.72310e-3
x: Amount Ratio
y: Area Ratio



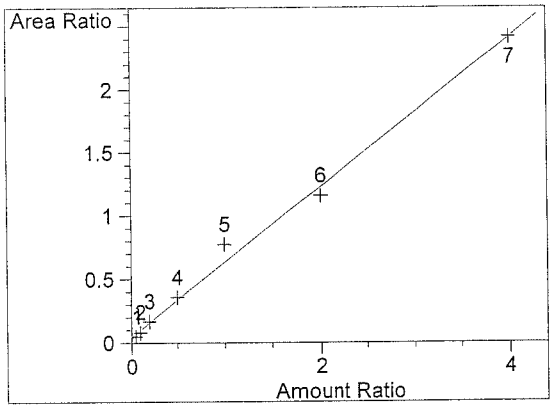
Methoxychlor at exp. RT: 7.310
ECD2 B,
Correlation: 0.99899
Residual Std. Dev.: 0.02219
Formula: y = mx + b
m: 3.28228e-1
b: 4.27004e-3
x: Amount Ratio
y: Area Ratio



Endrin Ketone at exp. RT: 7.621
ECD2 B,
Correlation: 0.99866
Residual Std. Dev.: 0.05430
Formula: y = mx + b
m: 6.96100e-1
b: 2.89829e-3
x: Amount Ratio
y: Area Ratio



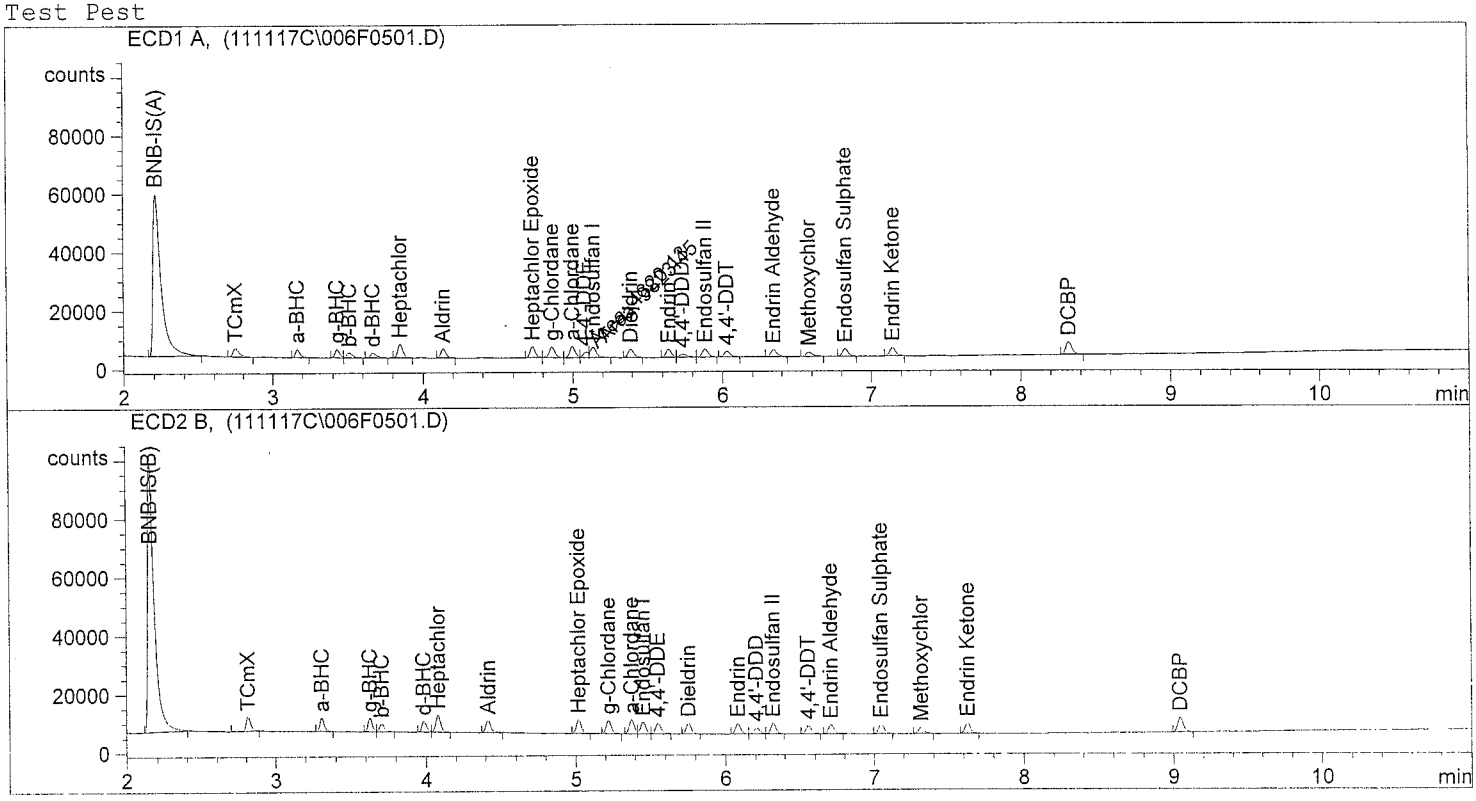
DCBP at exp. RT: 8.312
ECD1 A,
Correlation: 0.99607
Residual Std. Dev.: 0.09856
Formula: y = mx + b
m: 7.36721e-1
b: 6.15705e-2
x: Amount Ratio
y: Area Ratio



DCBP at exp. RT: 9.040
ECD2 B,
Correlation: 0.99717
Residual Std. Dev.: 0.06729
Formula: y = mx + b
m: 5.92459e-1
b: 4.20135e-2
x: Amount Ratio
y: Area Ratio

```
Injection Date  : 11/17/2011 6:15:27 PM          Seq. Line :   5
Sample Name     : PCal L-1 .005ppm                Location : Vial 6
Acq. Operator   : G.J.Brien                          Inj :   1
Acq. Instrument : Dual ECD 1                   Inj Volume : 2 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PSTRUN.M
Last changed    : 7/22/2010 11:35:51 AM by M.Miller
Analysis Method : C:\HPCHEM\1\METHODS\P1118ISA.M
Last changed    : 11/18/2011 10:57:21 AM by M.Miller
                  (modified after loading)
```

Test Pest



Internal Standard Report

```
Sorted By             :      Signal
Calib. Data Modified  :      Friday, November 18, 2011 10:57:19 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
```

ISTD #	ISTD Amount [ng/ul]	Name
2	1.00000e-1	BNB-IS(B)
1	1.00000e-1	BNB-IS(A)

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.212	PB I	2.09250e5	1.00000	1.00000e-1		BNB-IS(A)
2.745	PP	8811.02539	1.41519	5.95904e-3		TCmX
3.165	PB	6096.18457	3.10818	9.05521e-3		a-BHC
3.428	PV	6419.48926	2.68412	8.23449e-3		g-BHC
3.510	VB	4946.72998	3.23634	7.65079e-3		b-BHC
3.669	BB	5040.65479	4.10805	9.89593e-3		d-BHC

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
3.848	BP	1.10240e4	9.76922e-1	5.14673e-3		Heptachlor
4.133	BP	7469.88672	2.13926	7.63679e-3		Aldrin
4.730	BV	9485.74609	1.22733	5.56374e-3		Heptachlor Epoxide
4.859	VV	1.00170e4	1.42547	6.82386e-3		g-Chlordane
4.996	VV	9674.38574	1.35777	6.27746e-3		a-Chlordane
5.078	MF	4820.13184	3.99964	9.21327e-3		4,4'-DDE
5.136	FM	9823.44531	1.46074	6.85759e-3		Endosulfan I
5.391	BB	7494.49268	2.20268	7.88910e-3		Dieldrin
5.640	BV	7318.30371	2.02546	7.08385e-3		Endrin
5.732	VV	4189.48682	5.28788	1.05871e-2		4,4'-DDD
5.883	VB	7903.19580	1.97961	7.47680e-3		Endosulfan II
6.028	BB	5894.64697	3.35017	9.43754e-3		4,4'-DDT
6.342	BB	7227.91992	2.15260	7.43551e-3		Endrin Aldehyde
6.579	PB	4619.63232	3.51946	7.76994e-3		Methoxychlor
6.824	BB	7213.65771	2.37672	8.19349e-3		Endosulfan Sulphate
7.143	BB	8330.72266	2.09445	8.33846e-3		Endrin Ketone
8.319	BB	1.28255e4	9.90325e-1	6.06995e-3		DCBP

Totals without ISTD(s) : 1.68597e-1

Results obtained with enhanced integrator!

Signal 2: ECD2 B,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.156	BB I	2.75296e5	1.00000	1.00000e-1		BNB-IS(B)
2.812	PB	1.16641e4	9.89871e-1	4.19401e-3		TCmX
3.306	BB	9374.54492	2.02297	6.88873e-3		a-BHC
3.629	PV	9660.81445	1.66626	5.84732e-3		g-BHC
3.708	VB	6706.92871	2.49695	6.08321e-3		b-BHC
3.984	BV	8683.25000	2.43336	7.67520e-3		d-BHC
4.079	VP	1.35427e4	8.15425e-1	4.01134e-3		Heptachlor
4.415	BB	9724.33691	1.59760	5.64323e-3		Aldrin
5.017	BP	1.11631e4	9.22373e-1	3.74018e-3		Heptachlor Epoxide
5.219	BP	1.14040e4	1.27330	5.27455e-3		g-Chlordane
5.376	BV	1.14996e4	1.14897	4.79946e-3		a-Chlordane
5.451	VV	1.03561e4	1.35693	5.10451e-3		Endosulfan I
5.550	VB	9774.19531	1.79048	6.35697e-3		4,4'-DDE
5.751	BB	9409.63574	1.80839	6.18111e-3		Dieldrin
6.081	BV	8811.54980	1.57464	5.04003e-3		Endrin
6.205	VV	5843.61377	3.88236	8.24095e-3		4,4'-DDD
6.320	VB	9474.55957	1.62830	5.60392e-3		Endosulfan II
6.555	BB	7453.05322	2.98723	8.08729e-3		4,4'-DDT
6.707	BB	8449.73438	2.03975	6.26065e-3		Endrin Aldehyde
7.045	BB	8434.82422	2.27866	6.98161e-3		Endosulfan Sulphate
7.317	BB	5623.61768	2.94352	6.01289e-3		Methoxychlor
7.625	BB	9401.65723	1.93336	6.60264e-3		Endrin Ketone
9.044	BB	1.31351e4	1.04857	5.00299e-3		DCBP

Totals without ISTD(s) : 1.29633e-1

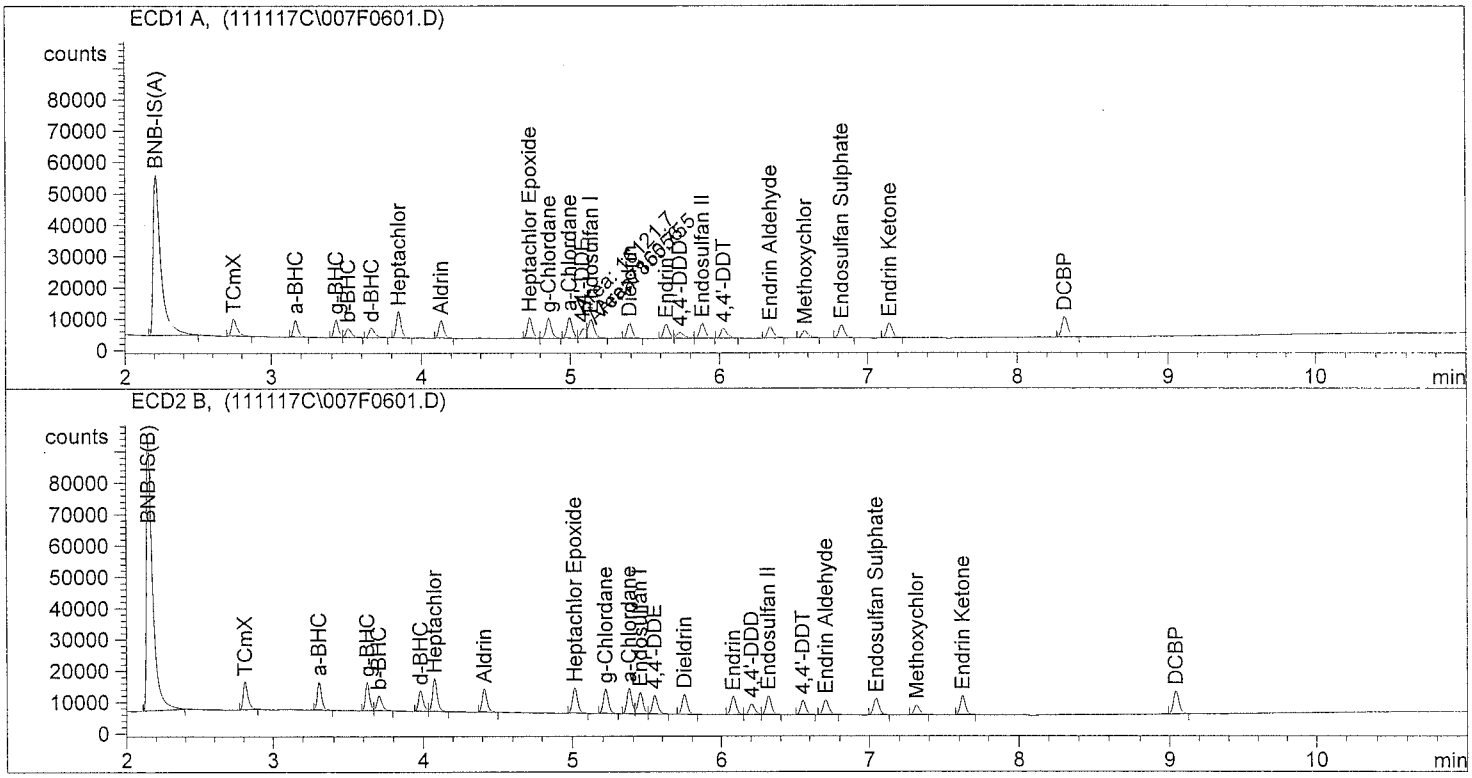
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

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*** End of Report ***

```
==========================================================================
Injection Date  : 11/17/2011 6:31:36 PM          Seq. Line :   6
Sample Name     : PCal L-2 .010ppm                Location : Vial 7
Acq. Operator   : G.J.Brien                          Inj :   1
Acq. Instrument : Dual ECD 1                   Inj Volume : 2 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PSTRUN.M
Last changed    : 7/22/2010 11:35:51 AM by M.Miller
Analysis Method : C:\HPCHEM\1\METHODS\P1118ISA.M
Last changed    : 11/18/2011 10:58:57 AM by M.Miller
                  (modified after loading)
Test Pest
```




```
==========================================================================
                        Internal Standard Report
==========================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Friday, November 18, 2011 10:58:55 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount    Name
  #     [ng/ul]
----|-------------|-------------------------
  2   1.00000e-1   BNB-IS(B)
  1   1.00000e-1   BNB-IS(A)


Signal 1: ECD1 A,

RetTime  Type      Area      Amt/Area     Amount    Grp   Name
 [min]          counts*s      ratio      [ng/ul]
-------|------|----------|----------|----------|--|------------------
  2.211 PB    I 1.89486e5     1.00000 1.00000e-1    BNB-IS(A)
  2.745 PB      1.54448e4     1.25802 1.02540e-2    TCmX
  3.164 BB      1.15840e4     1.91019 1.16777e-2    a-BHC
  3.428 BV      1.19060e4     1.79646 1.12878e-2    g-BHC
  3.509 VB      8620.13965    2.47577 1.12628e-2    b-BHC
  3.669 BB      9082.62402    2.55373 1.22408e-2    d-BHC
```

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
3.847	BP	1.92170e4	9.61839e-1	9.75464e-3		Heptachlor
4.132	BP	1.30463e4	1.61458	1.11165e-2		Aldrin
4.729	BV	1.60054e4	1.21461	1.02594e-2		Heptachlor Epoxide
4.858	VV	1.62485e4	1.28365	1.10073e-2		g-Chlordane
4.995	MV	1.61217e4	1.24811	1.06190e-2		a-Chlordane
5.078	MF	7855.74951	2.82879	1.17276e-2		4,4'-DDE
5.135	FM	1.60565e4	1.32961	1.12667e-2		Endosulfan I
5.389	BB	1.24376e4	1.76392	1.15781e-2		Dieldrin
5.639	BV	1.17019e4	1.75124	1.08149e-2		Endrin
5.731	VV	6685.43408	3.71357	1.31022e-2		4,4'-DDD
5.882	VB	1.29770e4	1.72586	1.18196e-2		Endosulfan II
6.027	BB	9221.65332	2.54290	1.23754e-2		4,4'-DDT
6.342	BB	1.06942e4	2.00204	1.12991e-2		Endrin Aldehyde
6.578	PB	7067.75000	3.14422	1.17278e-2		Methoxychlor
6.823	BB	1.14069e4	2.06077	1.24057e-2		Endosulfan Sulphate
7.142	BB	1.30330e4	1.76908	1.21678e-2		Endrin Ketone
8.318	BB	1.91073e4	1.18674	1.19668e-2		DCBP

Totals without ISTD(s) : 2.51732e-1

Results obtained with enhanced integrator!

Signal 2: ECD2 B,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.154	BB I	2.51855e5	1.00000	1.00000e-1		BNB-IS(B)
2.811	PB	2.04255e4	1.11063	9.00719e-3		TCmX
3.305	BB	1.76876e4	1.44394	1.01407e-2		a-BHC
3.628	BV	1.77510e4	1.34411	9.47342e-3		g-BHC
3.706	VB	1.18341e4	2.20439	1.03580e-2		b-BHC
3.983	BV	1.46943e4	1.82581	1.06525e-2		d-BHC
4.078	VB	2.33009e4	9.47522e-1	8.76621e-3		Heptachlor
4.414	BB	1.65466e4	1.42874	9.38669e-3		Aldrin
5.016	BP	1.88772e4	1.13800	8.52962e-3		Heptachlor Epoxide
5.218	BP	1.84613e4	1.29105	9.46359e-3		g-Chlordane
5.375	BV	1.87102e4	1.23139	9.14794e-3		a-Chlordane
5.450	VV	1.67894e4	1.39551	9.30290e-3		Endosulfan I
5.549	VB	1.56077e4	1.61756	1.00241e-2		4,4'-DDE
5.749	BB	1.55393e4	1.63180	1.00681e-2		Dieldrin
6.079	BV	1.41732e4	1.61095	9.06567e-3		Endrin
6.204	VV	9448.64551	3.03460	1.13847e-2		4,4'-DDD
6.318	VB	1.54873e4	1.63978	1.00835e-2		Endosulfan II
6.554	BB	1.15675e4	2.45033	1.12542e-2		4,4'-DDT
6.706	BB	1.25656e4	2.04357	1.01958e-2		Endrin Aldehyde
7.044	BB	1.34424e4	2.12130	1.13221e-2		Endosulfan Sulphate
7.315	BB	8393.13574	3.13351	1.04425e-2		Methoxychlor
7.623	BB	1.52155e4	1.78086	1.07589e-2		Endrin Ketone
9.043	BB	1.97249e4	1.36917	1.07232e-2		DCBP

Totals without ISTD(s) : 2.19551e-1

Results obtained with enhanced integrator!
1 Warnings or Errors :

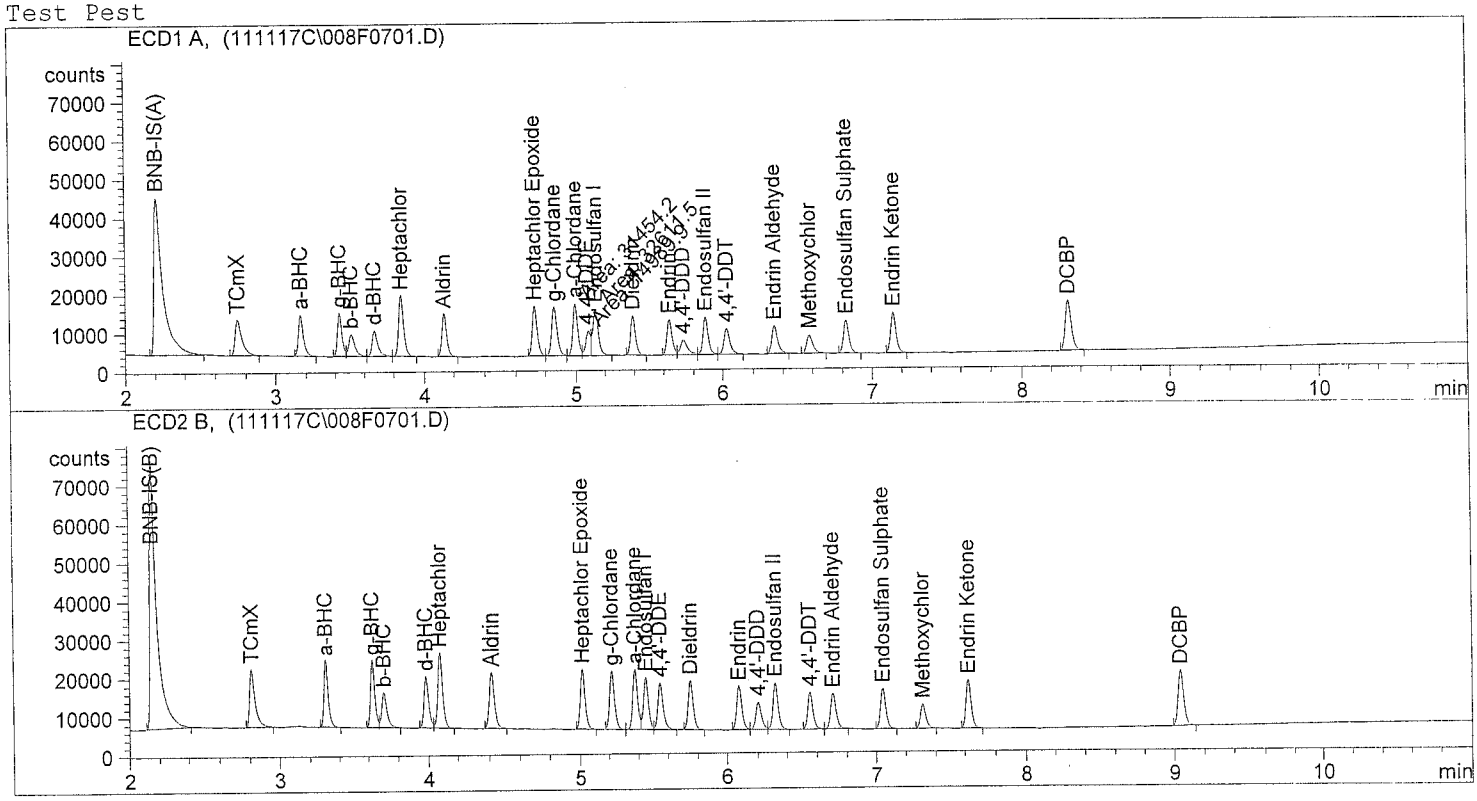
Warning : Calibration warnings (see calibration table listing)

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*** End of Report ***

```
Injection Date  : 11/17/2011 6:47:43 PM          Seq. Line :   7
Sample Name     : PCal L-3 .020ppm                Location : Vial 8
Acq. Operator   : G.J.Brien                          Inj :   1
Acq. Instrument : Dual ECD 1                  Inj Volume : 2 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PSTRUN.M
Last changed    : 7/22/2010 11:35:51 AM by M.Miller
Analysis Method : C:\HPCHEM\1\METHODS\P1118ISA.M
Last changed    : 11/18/2011 11:00:15 AM by M.Miller
                  (modified after loading)
```

Test Pest



Internal Standard Report

```
Sorted By             :      Signal
Calib. Data Modified  :      Friday, November 18, 2011 11:00:13 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
```

ISTD #	ISTD Amount [ng/ul]	Name
2	1.00000e-1	BNB-IS(B)
1	1.00000e-1	BNB-IS(A)

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.212	PB I	1.71194e5	1.00000	1.00000e-1		BNB-IS(A)
2.745	PB	2.89550e4	1.17037	1.97952e-2		TCmX
3.166	BB	2.38632e4	1.30416	1.81791e-2		a-BHC
3.429	BV	2.43732e4	1.32717	1.88951e-2		g-BHC
3.510	VV	1.69753e4	2.01413	1.99719e-2		b-BHC
3.670	VV	1.88532e4	1.66321	1.83166e-2		d-BHC

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
3.848	VP	3.68081e4	9.48078e-1	2.03845e-2		Heptachlor
4.134	BP	2.57358e4	1.30485	1.96161e-2		Aldrin
4.729	BV	3.05233e4	1.19841	2.13673e-2		Heptachlor Epoxide
4.858	VV	3.10076e4	1.17982	2.13697e-2		g-Chlordane
4.995	MV	3.14542e4	1.16960	2.14897e-2		a-Chlordane
5.074	MF	1.49899e4	2.03885	1.78524e-2		4,4'-DDE
5.136	FM	3.26115e4	1.23045	2.34395e-2		Endosulfan I
5.390	BB	2.44514e4	1.46839	2.09728e-2		Dieldrin
5.639	BV	2.23847e4	1.56561	2.04713e-2		Endrin
5.730	VV	1.32974e4	2.55827	1.98712e-2		4,4'-DDD
5.882	VV	2.56316e4	1.54622	2.31504e-2		Endosulfan II
6.028	VB	1.89840e4	1.90127	2.10836e-2		4,4'-DDT
6.341	BB	2.06080e4	1.84387	2.21963e-2		Endrin Aldehyde
6.578	PB	1.41144e4	2.79380	2.30340e-2		Methoxychlor
6.823	BB	2.25354e4	1.81416	2.38810e-2		Endosulfan Sulphate
7.143	BB	2.69676e4	1.49845	2.36046e-2		Endrin Ketone
8.317	BB	3.75369e4	1.33464	2.92641e-2		DCBP

Totals without ISTD(s) : 4.68206e-1

Results obtained with enhanced integrator!

Signal 2: ECD2 B,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.155	BB I	2.31593e5	1.00000	1.00000e-1		BNB-IS(B)
2.811	BB	3.88712e4	1.16061	1.94800e-2		TCmX
3.306	BB	3.55880e4	1.14999	1.76715e-2		a-BHC
3.629	BV	3.54290e4	1.17483	1.79726e-2		g-BHC
3.706	VB	2.28341e4	2.03176	2.00323e-2		b-BHC
3.983	BV	2.95213e4	1.43709	1.83187e-2		d-BHC
4.078	VB	4.40249e4	1.02352	1.94567e-2		Heptachlor
4.415	BB	3.21263e4	1.32261	1.83470e-2		Aldrin
5.017	BB	3.58913e4	1.26300	1.95735e-2		Heptachlor Epoxide
5.218	BP	3.54434e4	1.29652	1.98422e-2		g-Chlordane
5.375	VV	3.60411e4	1.28097	1.99348e-2		a-Chlordane
5.451	VV	3.24070e4	1.41784	1.98400e-2		Endosulfan I
5.549	VB	3.05500e4	1.48675	1.96122e-2		4,4'-DDE
5.749	BB	3.02292e4	1.51142	1.97282e-2		Dieldrin
6.080	BV	2.67941e4	1.64557	1.90384e-2		Endrin
6.203	VV	1.87382e4	2.42263	1.96015e-2		4,4'-DDD
6.318	VB	3.00901e4	1.64445	2.13658e-2		Endosulfan II
6.554	BP	2.33239e4	2.02586	2.04026e-2		4,4'-DDT
6.706	VB	2.43729e4	2.00937	2.11466e-2		Endrin Aldehyde
7.044	BB	2.61290e4	1.99916	2.25552e-2		Endosulfan Sulphate
7.315	BB	1.62182e4	3.25893	2.28220e-2		Methoxychlor
7.623	BB	3.10221e4	1.65438	2.21606e-2		Endrin Ketone
9.042	BB	3.84271e4	1.61559	2.68067e-2		DCBP

Totals without ISTD(s) : 4.45709e-1

Results obtained with enhanced integrator!
1 Warnings or Errors :

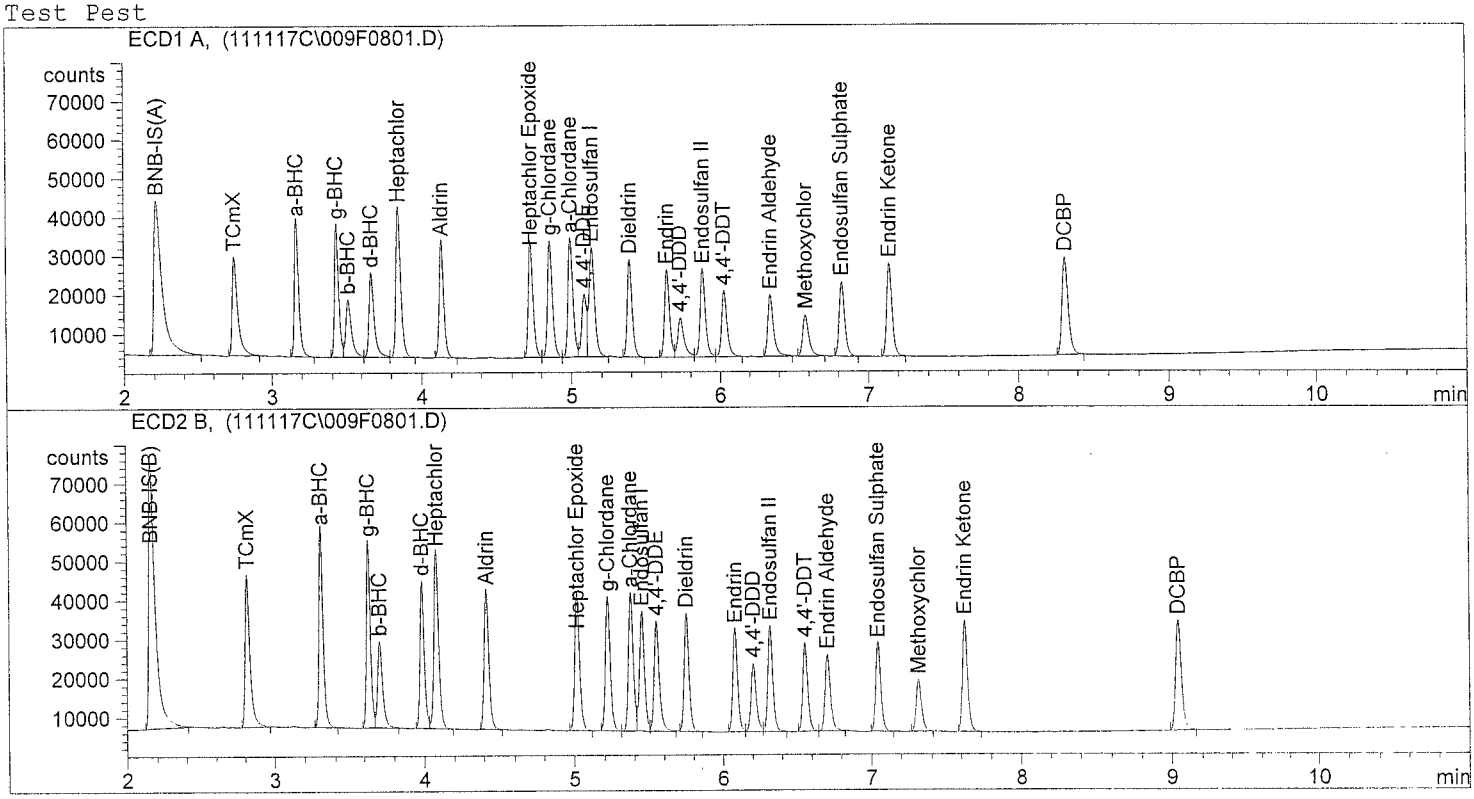
Warning : Calibration warnings (see calibration table listing)

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*** End of Report ***

```
Injection Date  : 11/17/2011 7:03:53 PM          Seq. Line :   8
Sample Name     : PCal L-4 .050ppm                Location : Vial 9
Acq. Operator   : G.J.Brien                           Inj :   1
Acq. Instrument : Dual ECD 1                  Inj Volume : 2 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PSTRUN.M
Last changed    : 7/22/2010 11:35:51 AM by M.Miller
Analysis Method : C:\HPCHEM\1\METHODS\P1118ISA.M
Last changed    : 11/18/2011 11:00:54 AM by M.Miller
                  (modified after loading)
```

Test Pest



Internal Standard Report

```
Sorted By             :      Signal
Calib. Data Modified  :      Friday, November 18, 2011 11:00:53 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
```

ISTD #	ISTD Amount [ng/ul]	Name
2	1.00000e-1	BNB-IS(B)
1	1.00000e-1	BNB-IS(A)

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.216	PB I	1.56537e5	1.00000	1.00000e-1		BNB-IS(A)
2.744	BB	6.89577e4	1.12488	4.95531e-2		TCmX
3.167	BB	7.06677e4	9.84306e-1	4.44358e-2		a-BHC
3.429	BV	6.81265e4	1.08909	4.73984e-2		g-BHC
3.508	VV	4.03452e4	1.79715	4.63190e-2		b-BHC
3.669	VV	5.31962e4	1.22025	4.14679e-2		d-BHC

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
3.847	VB	8.46050e4	9.56137e-1	5.16771e-2		Heptachlor
4.133	BB	6.37766e4	1.16319	4.73909e-2		Aldrin
4.729	BV	6.78747e4	1.21410	5.26433e-2		Heptachlor Epoxide
4.858	VV	6.91287e4	1.14863	5.07247e-2		g-Chlordane
4.995	VV	7.07189e4	1.15335	5.21050e-2		a-Chlordane
5.085	VV	3.44938e4	1.65058	3.63713e-2		4,4'-DDE
5.135	VB	7.36869e4	1.21147	5.70274e-2		Endosulfan I
5.389	BB	5.69455e4	1.34580	4.89579e-2		Dieldrin
5.639	BV	5.20804e4	1.49734	4.98171e-2		Endrin
5.729	VV	3.09317e4	2.01553	3.98267e-2		4,4'-DDD
5.881	VV	5.66873e4	1.49236	5.40430e-2		Endosulfan II
6.026	VB	4.49625e4	1.62723	4.67392e-2		4,4'-DDT
6.340	BB	4.47224e4	1.78836	5.10931e-2		Endrin Aldehyde
6.577	BB	3.18621e4	2.64000	5.37355e-2		Methoxychlor
6.822	BB	4.92287e4	1.72370	5.42078e-2		Endosulfan Sulphate
7.141	BB	6.02003e4	1.40565	5.40576e-2		Endrin Ketone
8.316	BB	7.30554e4	1.41987	6.62647e-2		DCBP

Totals without ISTD(s) : 1.09586

Results obtained with enhanced integrator!

Signal 2: ECD2 B,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.158	BB I	2.12270e5	1.00000	1.00000e-1		BNB-IS(B)
2.812	BB	8.96808e4	1.19002	5.02765e-2		TCmX
3.307	BB	9.67667e4	9.94059e-1	4.53159e-2		a-BHC
3.629	BV	9.14191e4	1.09498	4.71580e-2		g-BHC
3.705	VB	5.23043e4	1.96819	4.84972e-2		b-BHC
3.983	BV	7.70949e4	1.24635	4.52668e-2		d-BHC
4.078	VB	9.88191e4	1.08541	5.05296e-2		Heptachlor
4.415	BB	7.56706e4	1.28946	4.59669e-2		Aldrin
5.017	BB	7.97117e4	1.35852	5.10153e-2		Heptachlor Epoxide
5.219	BV	7.90653e4	1.32619	4.93973e-2		g-Chlordane
5.376	VV	7.98869e4	1.33468	5.02303e-2		a-Chlordane
5.451	VV	7.25762e4	1.46079	4.99454e-2		Endosulfan I
5.549	VB	6.90190e4	1.44913	4.71182e-2		4,4'-DDE
5.750	BB	6.92874e4	1.48059	4.83283e-2		Dieldrin
6.080	BV	6.09117e4	1.70194	4.88380e-2		Endrin
6.203	VV	4.30524e4	2.15036	4.36135e-2		4,4'-DDD
6.318	VP	6.57866e4	1.68902	5.23462e-2		Endosulfan II
6.554	BP	5.35798e4	1.85493	4.68211e-2		4,4'-DDT
6.706	VB	5.07899e4	2.02804	4.85252e-2		Endrin Aldehyde
7.044	BB	5.62219e4	1.97522	5.23158e-2		Endosulfan Sulphate
7.315	BB	3.36346e4	3.37516	5.34802e-2		Methoxychlor
7.624	BB	6.88624e4	1.62834	5.28250e-2		Endrin Ketone
9.042	BB	7.57030e4	1.75415	6.25595e-2		DCBP

Totals without ISTD(s) : 1.09037

Results obtained with enhanced integrator!
1 Warnings or Errors :

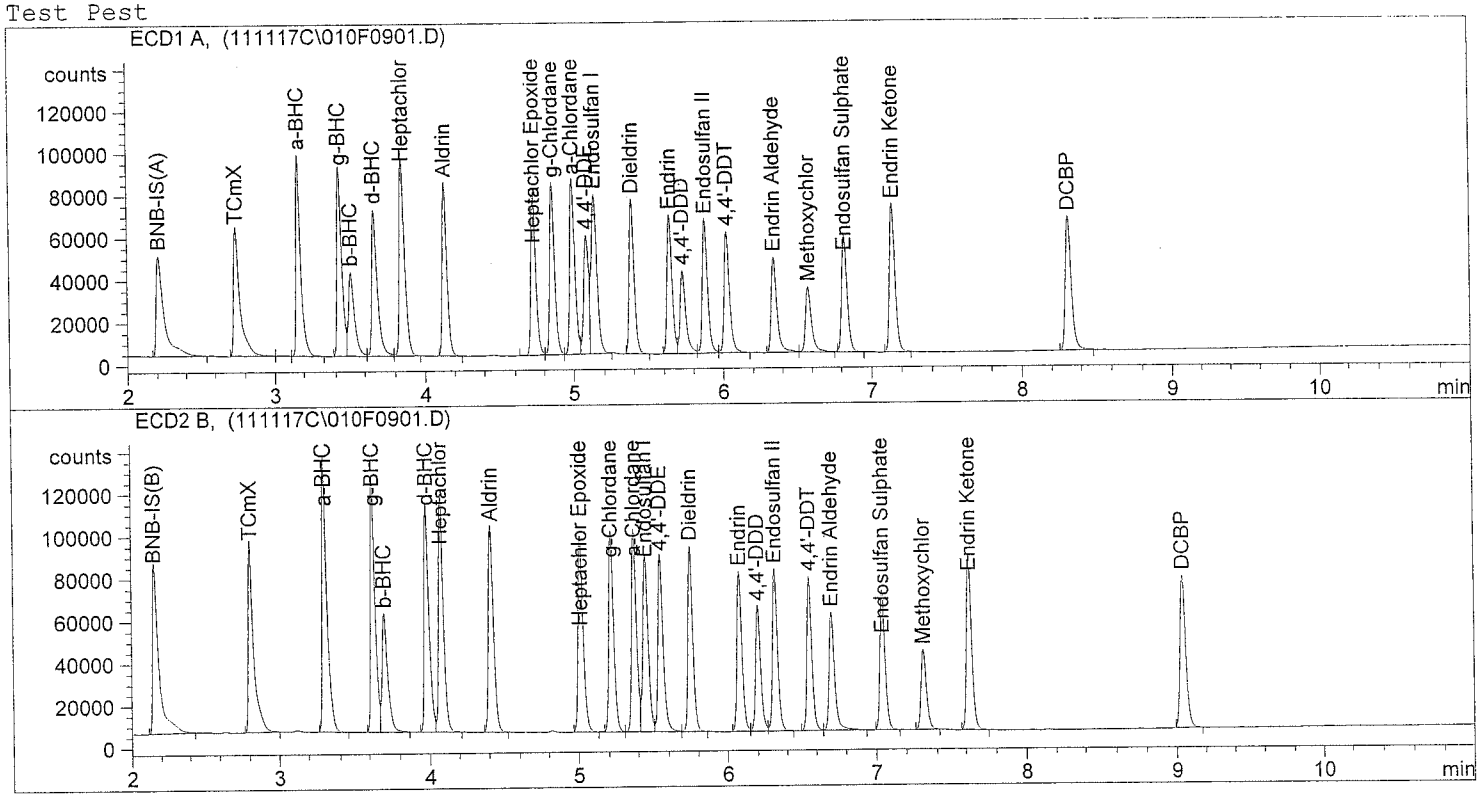
Warning : Calibration warnings (see calibration table listing)

==========

*** End of Report ***

```
Injection Date  : 11/17/2011 7:20:00 PM          Seq. Line :   9
Sample Name     : PCal L-5 .100ppm                Location : Vial 10
Acq. Operator   : G.J.Brien                          Inj :   1
Acq. Instrument : Dual ECD 1                   Inj Volume : 2 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PSTRUN.M
Last changed    : 7/22/2010 11:35:51 AM by M.Miller
Analysis Method : C:\HPCHEM\1\METHODS\P1118ISA.M
Last changed    : 11/18/2011 11:01:28 AM by M.Miller
                  (modified after loading)
```

Test Pest



Internal Standard Report

```
Sorted By             :      Signal
Calib. Data Modified  :      Friday, November 18, 2011 11:01:27 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
```

ISTD #	ISTD Amount [ng/ul]	Name
2	1.00000e-1	BNB-IS(B)
1	1.00000e-1	BNB-IS(A)

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.211	PB I	1.86144e5	1.00000	1.00000e-1		BNB-IS(A)
2.741	BB	1.80624e5	1.09440	1.06195e-1		TCmX
3.164	VP	2.11252e5	8.84001e-1	1.00324e-1		a-BHC
3.428	BV	1.96236e5	1.00674	1.06132e-1		g-BHC
3.504	VV	1.15011e5	1.67564	1.03531e-1		b-BHC
3.665	VV	1.78078e5	1.05266	1.00705e-1		d-BHC

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
3.846	VB	2.24011e5	9.42813e-1	1.13461e-1		Heptachlor
4.132	BB	1.87192e5	1.09209	1.09824e-1		Aldrin
4.728	BV	1.83059e5	1.19771	1.17786e-1		Heptachlor Epoxide
4.857	VV	1.93000e5	1.11334	1.15435e-1		g-Chlordane
4.994	VV	1.94590e5	1.12467	1.17569e-1		a-Chlordane
5.083	VV	1.24891e5	1.39656	9.37006e-2		4,4'-DDE
5.135	VB	2.01987e5	1.18810	1.28923e-1		Endosulfan I
5.389	BB	1.69668e5	1.27011	1.15769e-1		Dieldrin
5.638	BV	1.52743e5	1.44007	1.18167e-1		Endrin
5.725	VV	1.09169e5	1.71511	1.00587e-1		4,4'-DDD
5.880	VV	1.60127e5	1.44539	1.24337e-1		Endosulfan II
6.025	VB	1.47114e5	1.47826	1.16830e-1		4,4'-DDT
6.339	BV	1.25843e5	1.73647	1.17394e-1		Endrin Aldehyde
6.574	VB	9.19069e4	2.54008	1.25414e-1		Methoxychlor
6.821	BB	1.41251e5	1.66230	1.26139e-1		Endosulfan Sulphate
7.141	BB	1.78428e5	1.34675	1.29092e-1		Endrin Ketone
8.315	BB	1.84812e5	1.45162	1.44123e-1		DCBP

Totals without ISTD(s) : 2.53144

Results obtained with enhanced integrator!

Signal 2: ECD2 B,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.153	BB I	2.51369e5	1.00000	1.00000e-1		BNB-IS(B)
2.808	PB	2.22495e5	1.18607	1.04983e-1		TCmX
3.305	BB	2.74697e5	9.31869e-1	1.01835e-1		a-BHC
3.627	BV	2.55708e5	1.05024	1.06837e-1		g-BHC
3.702	VB	1.43968e5	1.90106	1.08881e-1		b-BHC
3.981	BV	2.38082e5	1.15313	1.09218e-1		d-BHC
4.077	VB	2.63290e5	1.08651	1.13804e-1		Heptachlor
4.415	BB	2.18014e5	1.24529	1.08005e-1		Aldrin
5.016	BB	2.14233e5	1.36438	1.16281e-1		Heptachlor Epoxide
5.218	BV	2.20944e5	1.30593	1.14787e-1		g-Chlordane
5.374	VV	2.20528e5	1.32390	1.16147e-1		a-Chlordane
5.449	VV	2.03279e5	1.44217	1.16627e-1		Endosulfan I
5.547	VV	2.03786e5	1.39384	1.12999e-1		4,4'-DDE
5.749	VB	2.03432e5	1.43126	1.15831e-1		Dieldrin
6.079	BV	1.76031e5	1.68040	1.17677e-1		Endrin
6.201	VV	1.41778e5	1.96804	1.11002e-1		4,4'-DDD
6.317	VB	1.85696e5	1.67079	1.23427e-1		Endosulfan II
6.552	BV	1.71483e5	1.73221	1.18171e-1		4,4'-DDT
6.704	VB	1.48284e5	1.98331	1.16997e-1		Endrin Aldehyde
7.043	BB	1.62040e5	1.92766	1.24262e-1		Endosulfan Sulphate
7.313	BB	9.43608e4	3.36746	1.26410e-1		Methoxychlor
7.623	PB	2.03423e5	1.58818	1.28525e-1		Endrin Ketone
9.041	BB	1.93917e5	1.80483	1.39233e-1		DCBP

Totals without ISTD(s) : 2.55194

Results obtained with enhanced integrator!
1 Warnings or Errors :

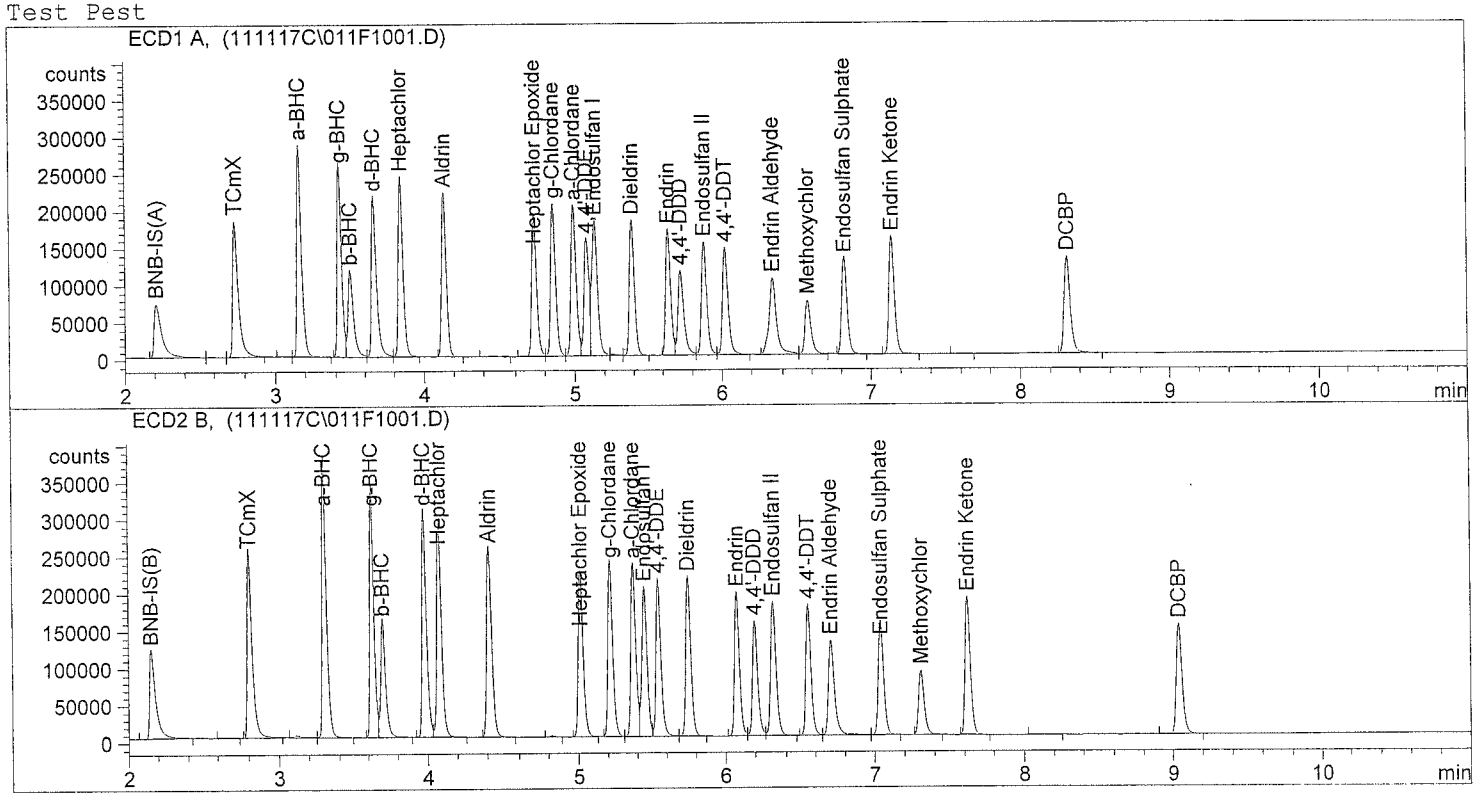
Warning : Calibration warnings (see calibration table listing)

==========

*** End of Report ***

```
Injection Date  : 11/17/2011 7:36:12 PM          Seq. Line :  10
Sample Name     : PCal L-6 .200ppm                Location : Vial 11
Acq. Operator   : G.J.Brien                           Inj :   1
Acq. Instrument : Dual ECD 1                  Inj Volume : 2 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PSTRUN.M
Last changed    : 7/22/2010 11:35:51 AM by M.Miller
Analysis Method : C:\HPCHEM\1\METHODS\P1118ISA.M
Last changed    : 11/18/2011 11:02:05 AM by M.Miller
                  (modified after loading)
```

Test Pest



Internal Standard Report

```
Sorted By             :      Signal
Calib. Data Modified  :      Friday, November 18, 2011 11:02:04 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount    Name
  #     [ng/ul]
----|-------------|-------------------------
  2   1.00000e-1    BNB-IS(B)
  1   1.00000e-1    BNB-IS(A)
```

Signal 1: ECD1 A,

RetTime [min]	Type		Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.212	PB	I	2.70573e5	1.00000	1.00000e-1		BNB-IS(A)
2.738	VB		4.66482e5	1.10146	1.89897e-1		TCmX
3.163	VP		6.09044e5	8.66492e-1	1.95042e-1		a-BHC
3.426	BV		5.45986e5	9.90868e-1	1.99946e-1		g-BHC
3.501	VV		3.01530e5	1.69754	1.89176e-1		b-BHC
3.662	VV		5.24802e5	1.02781	1.99354e-1		d-BHC

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
3.846	VB	5.42541e5	9.60566e-1	1.92609e-1		Heptachlor
4.132	BB	4.89521e5	1.09395	1.97917e-1		Aldrin
4.727	BV	4.52204e5	1.21100	2.02393e-1		Heptachlor Epoxide
4.856	VV	4.89414e5	1.12119	2.02801e-1		g-Chlordane
4.993	VV	4.83972e5	1.13341	2.02733e-1		a-Chlordane
5.079	VV	3.69417e5	1.37401	1.87596e-1		4,4'-DDE
5.134	VV	4.92856e5	1.18627	2.16082e-1		Endosulfan I
5.388	VB	4.35958e5	1.27005	2.04636e-1		Dieldrin
5.637	BV	4.06485e5	1.43407	2.15442e-1		Endrin
5.721	VV	3.16331e5	1.68240	1.96692e-1		4,4'-DDD
5.879	VV	3.90882e5	1.44736	2.09092e-1		Endosulfan II
6.022	VB	3.84844e5	1.46100	2.07803e-1		4,4'-DDT
6.337	BV	3.46107e5	1.73553	2.22003e-1		Endrin Aldehyde
6.571	VB	2.12236e5	2.54512	1.99638e-1		Methoxychlor
6.821	BB	3.42282e5	1.65908	2.09878e-1		Endosulfan Sulphate
7.139	PP	4.16561e5	1.34558	2.07159e-1		Endrin Ketone
8.314	BB	3.84945e5	1.45461	2.06949e-1		DCBP

Totals without ISTD(s) : 4.45484

Results obtained with enhanced integrator!

Signal 2: ECD2 B,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.155	PB	I 3.48536e5	1.00000	1.00000e-1		BNB-IS(B)
2.807	BB	5.59294e5	1.20554	1.93453e-1		TCmX
3.304	VB	7.45279e5	9.29004e-1	1.98650e-1		a-BHC
3.626	BV	6.69254e5	1.05336	2.02265e-1		g-BHC
3.699	VB	3.66304e5	1.92761	2.02588e-1		b-BHC
3.977	BV	6.46540e5	1.14299	2.12026e-1		d-BHC
4.077	VB	6.36303e5	1.10869	2.02407e-1		Heptachlor
4.413	BP	5.57630e5	1.25973	2.01547e-1		Aldrin
5.015	BB	5.19500e5	1.38965	2.07130e-1		Heptachlor Epoxide
5.216	BV	5.51065e5	1.32125	2.08901e-1		g-Chlordane
5.373	VV	5.39400e5	1.34280	2.07814e-1		a-Chlordane
5.448	VV	4.98760e5	1.45845	2.08706e-1		Endosulfan I
5.544	VV	5.12908e5	1.40446	2.06681e-1		4,4'-DDE
5.748	VB	5.08340e5	1.44055	2.10104e-1		Dieldrin
6.078	PV	4.58442e5	1.68466	2.21589e-1		Endrin
6.198	VV	3.73597e5	1.95639	2.09706e-1		4,4'-DDD
6.316	VP	4.43804e5	1.68403	2.14434e-1		Endosulfan II
6.551	BV	4.31211e5	1.72214	2.13065e-1		4,4'-DDT
6.705	VV	3.68266e5	2.01828	2.13253e-1		Endrin Aldehyde
7.042	VB	3.85878e5	1.93094	2.13782e-1		Endosulfan Sulphate
7.311	BB	2.19559e5	3.40099	2.14244e-1		Methoxychlor
7.621	BP	4.62876e5	1.59519	2.11850e-1		Endrin Ketone
9.040	BB	4.02559e5	1.81971	2.10176e-1		DCBP

Totals without ISTD(s) : 4.58437

Results obtained with enhanced integrator!
1 Warnings or Errors :

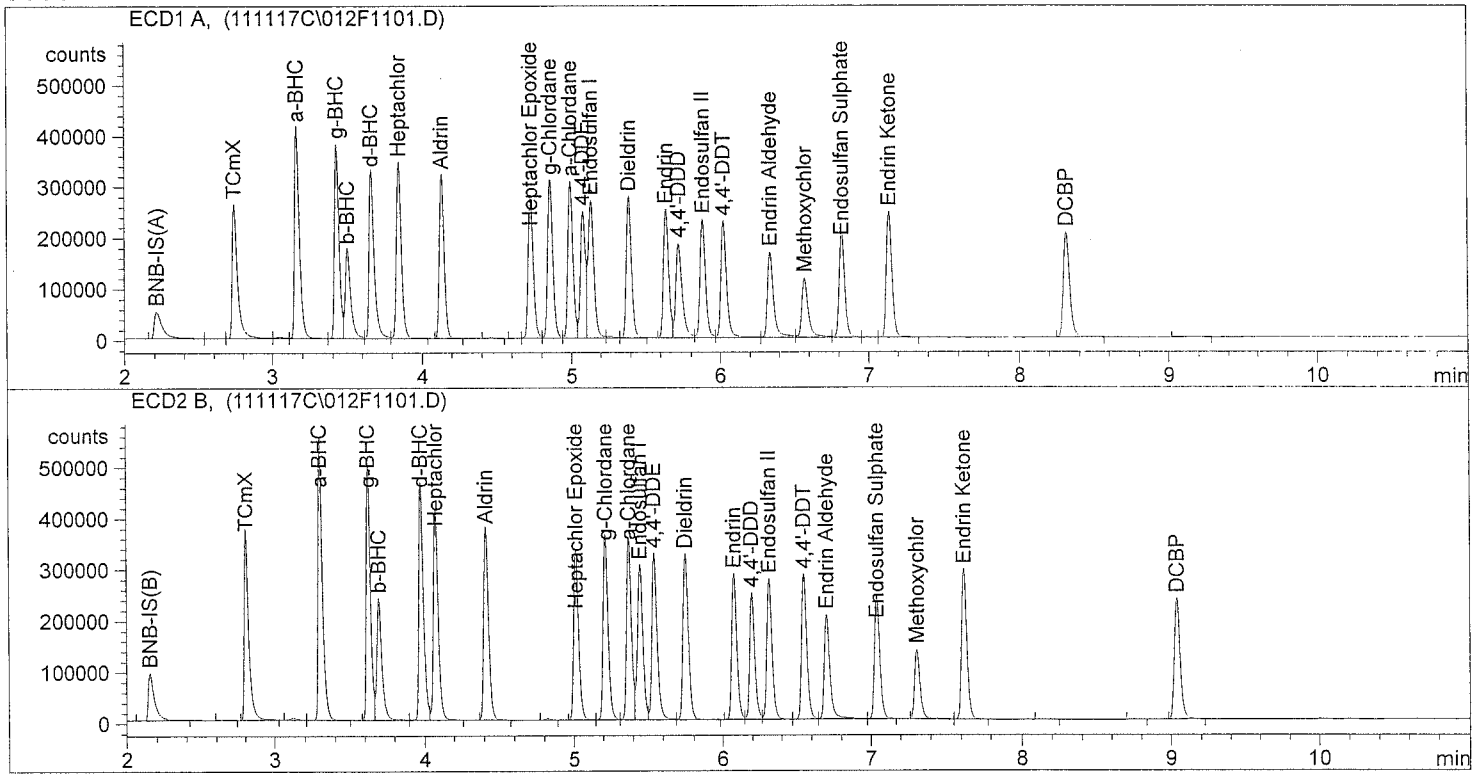
Warning : Calibration warnings (see calibration table listing)

==========

*** End of Report ***

```
Injection Date  : 11/17/2011 7:52:19 PM          Seq. Line :  11
Sample Name     : PCal L-7 .400ppm                Location : Vial 12
Acq. Operator   : G.J.Brien                           Inj :   1
Acq. Instrument : Dual ECD 1                  Inj Volume : 2 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PSTRUN.M
Last changed    : 7/22/2010 11:35:51 AM by M.Miller
Analysis Method : C:\HPCHEM\1\METHODS\P1118ISA.M
Last changed    : 11/18/2011 11:02:31 AM by M.Miller
                  (modified after loading)
```

Test Pest



Internal Standard Report

```
Sorted By             :      Signal
Calib. Data Modified  :      Friday, November 18, 2011 11:02:29 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount    Name
  #     [ng/ul]
----|-------------|-------------------------
  2   1.00000e-1    BNB-IS(B)
  1   1.00000e-1    BNB-IS(A)
```

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.214	PB I	2.00444e5	1.00000	1.00000e-1		BNB-IS(A)
2.738	VV	6.93493e5	1.15202	3.98573e-1		TCmX
3.163	VV	9.17396e5	8.75134e-1	4.00533e-1		a-BHC
3.425	VV	8.14512e5	9.82903e-1	3.99407e-1		g-BHC
3.499	VV	4.63433e5	1.73602	4.01372e-1		b-BHC
3.661	VV	8.18049e5	9.88726e-1	4.03517e-1		d-BHC

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
3.845	VB	8.04276e5	9.90611e-1	3.97480e-1		Heptachlor
4.131	BB	7.39832e5	1.08339	3.99876e-1		Aldrin
4.727	VV	6.73850e5	1.18468	3.98266e-1		Heptachlor Epoxide
4.856	VV	7.49440e5	1.07208	4.00841e-1		g-Chlordane
4.992	VV	7.39830e5	1.08483	4.00406e-1		a-Chlordane
5.078	VV	5.91186e5	1.37606	4.05855e-1		4,4'-DDE
5.133	VV	7.45595e5	1.07332	3.99243e-1		Endosulfan I
5.387	VB	6.82757e5	1.18205	4.02633e-1		Dieldrin
5.637	BV	6.16018e5	1.30314	4.00491e-1		Endrin
5.719	VV	5.31980e5	1.54236	4.09344e-1		4,4'-DDD
5.878	VV	6.13359e5	1.31461	4.02273e-1		Endosulfan II
6.021	VV	6.29295e5	1.29350	4.06097e-1		4,4'-DDT
6.337	VV	4.93382e5	1.60892	3.96028e-1		Endrin Aldehyde
6.569	VV	3.54722e5	2.29677	4.06457e-1		Methoxychlor
6.819	VV	5.49442e5	1.47388	4.04009e-1		Endosulfan Sulphate
7.139	VP	6.62378e5	1.21839	4.02624e-1		Endrin Ketone
8.312	BB	6.03773e5	1.32962	4.00506e-1		DCBP

Totals without ISTD(s) : 8.83583

Results obtained with enhanced integrator!

Signal 2: ECD2 B,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.156	BB	I 2.65052e5	1.00000	1.00000e-1		BNB-IS(B)
2.806	BB	8.19108e5	1.27978	3.95499e-1		TCmX
3.304	VB	1.11021e6	9.48935e-1	3.97477e-1		a-BHC
3.625	BV	9.93094e5	1.05900	3.96785e-1		g-BHC
3.698	VV	5.56118e5	1.89969	3.98584e-1		b-BHC
3.977	VV	9.88310e5	1.07180	3.99647e-1		d-BHC
4.076	VB	9.34174e5	1.12118	3.95158e-1		Heptachlor
4.413	BP	8.38419e5	1.25745	3.97760e-1		Aldrin
5.015	BV	7.77464e5	1.35295	3.96856e-1		Heptachlor Epoxide
5.216	VV	8.46778e5	1.25016	3.99397e-1		g-Chlordane
5.373	VV	8.26008e5	1.27992	3.98875e-1		a-Chlordane
5.448	VV	7.65607e5	1.38160	3.99077e-1		Endosulfan I
5.544	VV	8.02496e5	1.32408	4.00891e-1		4,4'-DDE
5.748	VP	7.94225e5	1.33709	4.00656e-1		Dieldrin
6.077	BV	6.90749e5	1.52825	3.98277e-1		Endrin
6.197	VV	6.03147e5	1.77451	4.03804e-1		4,4'-DDD
6.316	VV	6.87118e5	1.54090	3.99462e-1		Endosulfan II
6.550	VV	6.91163e5	1.54427	4.02691e-1		4,4'-DDT
6.702	VV	5.53985e5	1.90272	3.97687e-1		Endrin Aldehyde
7.041	VB	6.10688e5	1.74142	4.01229e-1		Endosulfan Sulphate
7.310	BP	3.50712e5	3.03683	4.01828e-1		Methoxychlor
7.621	VB	7.41435e5	1.43509	4.01440e-1		Endrin Ketone
9.040	BB	6.39271e5	1.65848	4.00004e-1		DCBP

Totals without ISTD(s) : 8.78308

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

==========

*** End of Report ***

Calibration Table

Calib. Data Modified : Friday, November 18, 2011 11:27:38 AM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 1.000 %
Abs. Reference Window : 0.020 min
Rel. Non-ref. Window : 1.000 %
Abs. Non-ref. Window : 0.020 min
Do not use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [ng/ul]	Name
2	1.00000e-1	BNB-IS(B)
1	1.00000e-1	BNB-IS(A)

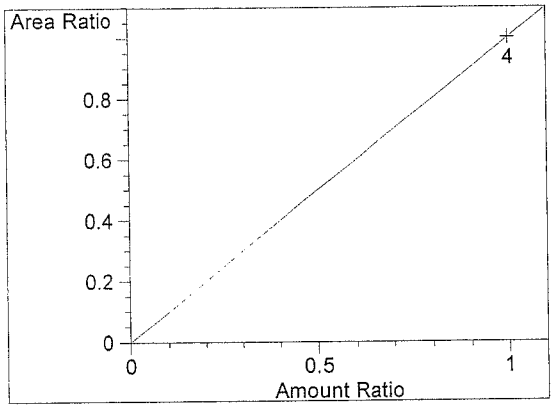
Signal 1: ECD1 A,
Signal 2: ECD2 B,

RetTime [min]	Sig	Lvl	Amount [ng/ul]	Area	Amt/Area	Ref	Grp	Name
2.157	2	4	1.00000e-1	3.41099e5	2.93170e-7	I2		BNB-IS(B)
2.215	1	4	1.00000e-1	2.54073e5	3.93588e-7	I1		BNB-IS(A)
2.748	1	4	2.00000e-2	4.58345e4	4.36352e-7	1		TCmX
2.814	2	4	2.00000e-2	6.53936e4	3.05840e-7	2		TCmX
5.396	1	4	5.00000e-1	1.20915e4	4.13514e-5	1		Tox Peak 1
5.724	2	4	5.00000e-1	1.58366e4	3.15724e-5	2		Tox Peak 1
5.873	1	4	5.00000e-1	2.90846e4	1.71912e-5	1		Tox Peak 2
6.322	1	4	5.00000e-1	5.70340e4	8.76670e-6	1		Tox Peak 3
6.414	2	4	5.00000e-1	6.38389e4	7.83221e-6	2		Tox Peak 2
6.620	1	4	5.00000e-1	4.61448e4	1.08355e-5	1		Tox Peak 4
6.709	2	4	5.00000e-1	6.57643e4	7.60291e-6	2		Tox Peak 3
7.125	1	4	5.00000e-1	3.67839e4	1.35929e-5	1		Tox Peak 5
7.286	2	4	5.00000e-1	6.02614e4	8.29718e-6	2		Tox Peak 4
7.753	2	4	5.00000e-1	2.85169e4	1.75335e-5	2		Tox Peak 5
8.316	1	4	2.00000e-2	5.74943e4	3.47860e-7	1		DCBP
9.042	2	4	2.00000e-2	5.93282e4	3.37108e-7	2		DCBP

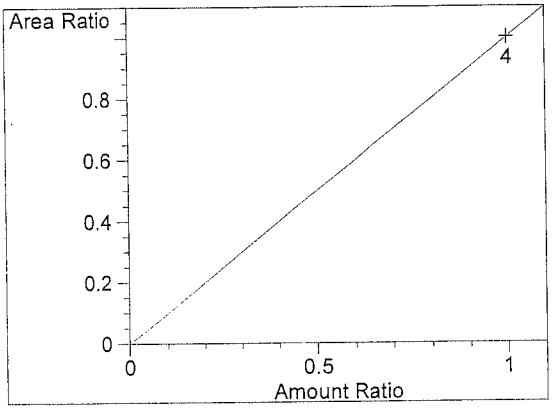
Peak Sum Table

No Entries in table

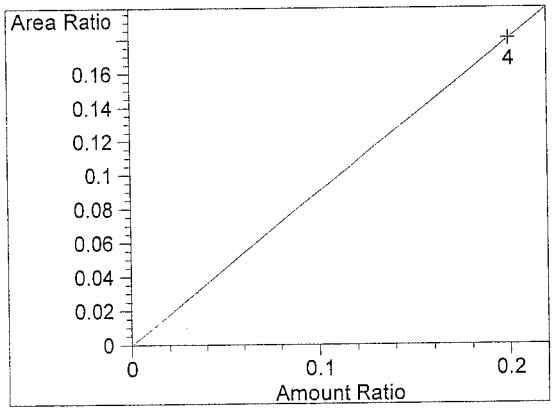
Calibration Curves



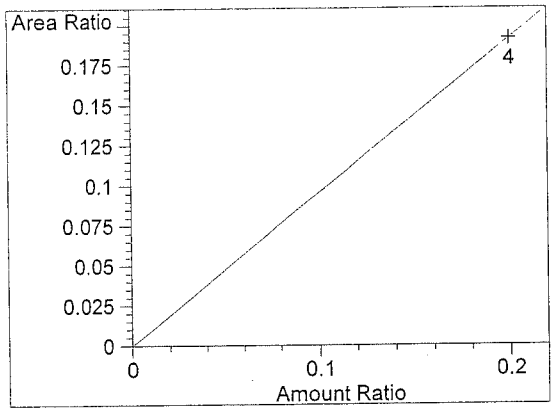
BNB-IS(B) at exp. RT: 2.157
ECD2 B,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio



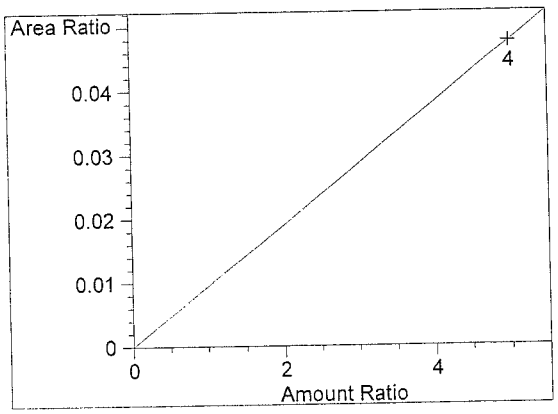
BNB-IS(A) at exp. RT: 2.215
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio



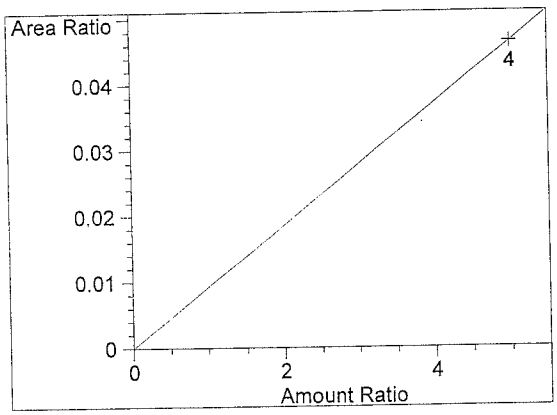
TCmX at exp. RT: 2.748
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.01996e-1
b: -5.57983e-18
x: Amount Ratio
y: Area Ratio



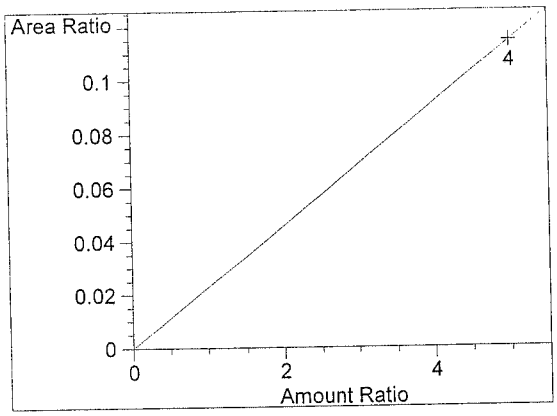
TCmX at exp. RT: 2.814
ECD2 B,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.58573e-1
b: 5.82335e-19
x: Amount Ratio
y: Area Ratio



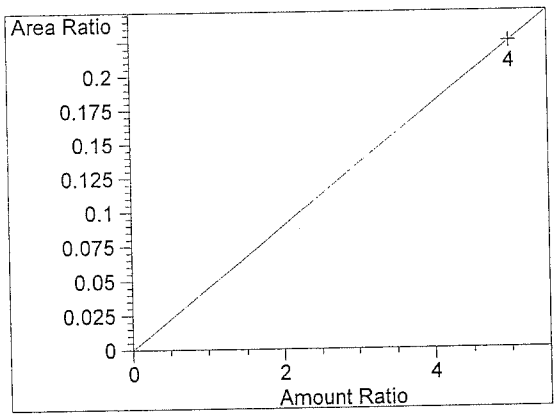
Tox Peak 1 at exp. RT: 5.396
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.51814e-3
b: -1.38778e-18
x: Amount Ratio
y: Area Ratio



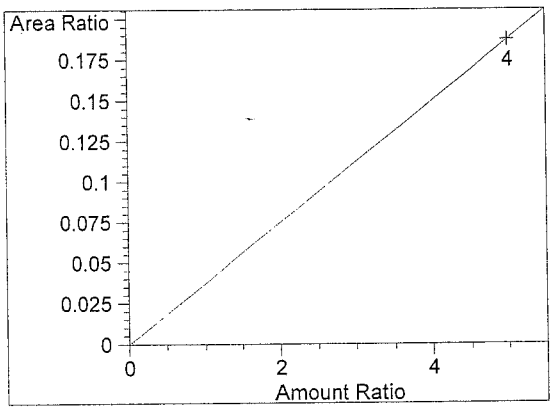
Tox Peak 1 at exp. RT: 5.724
ECD2 B,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.28566e-3
b: 1.38778e-18
x: Amount Ratio
y: Area Ratio



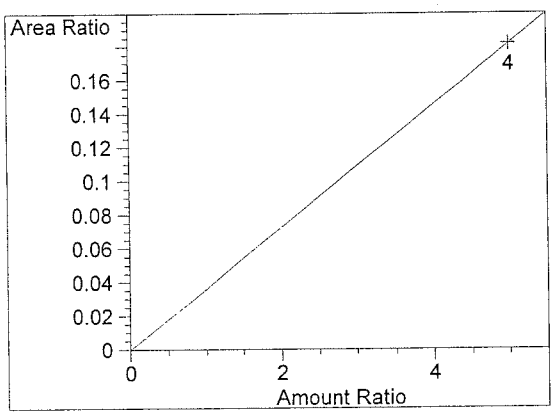
Tox Peak 2 at exp. RT: 5.873
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 2.28947e-2
b: 5.55112e-18
x: Amount Ratio
y: Area Ratio



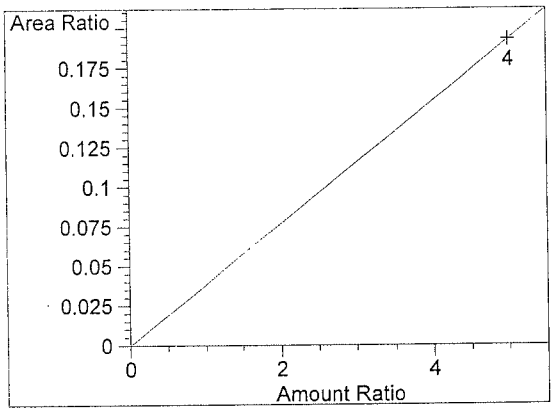
Tox Peak 3 at exp. RT: 6.322
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 4.48958e-2
b: -5.55112e-18
x: Amount Ratio
y: Area Ratio



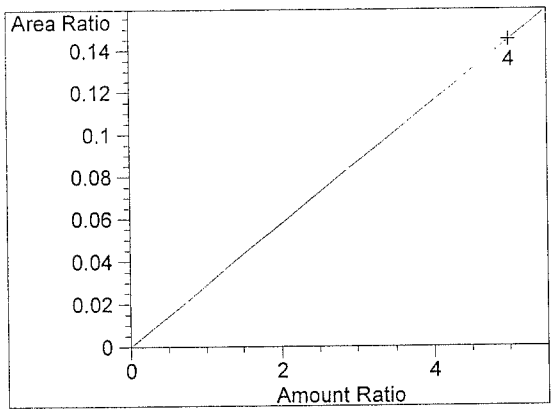
Tox Peak 2 at exp. RT: 6.414
ECD2 B,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 3.74313e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



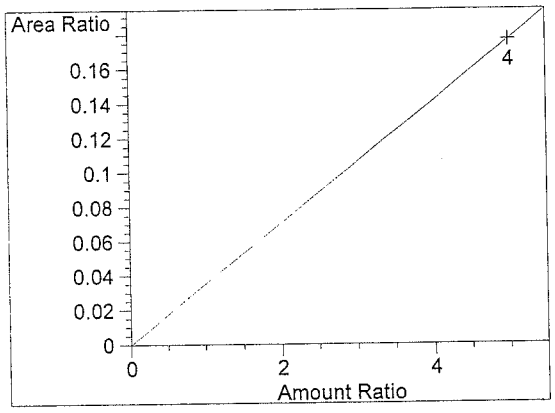
Tox Peak 4 at exp. RT: 6.620
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 3.63241e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



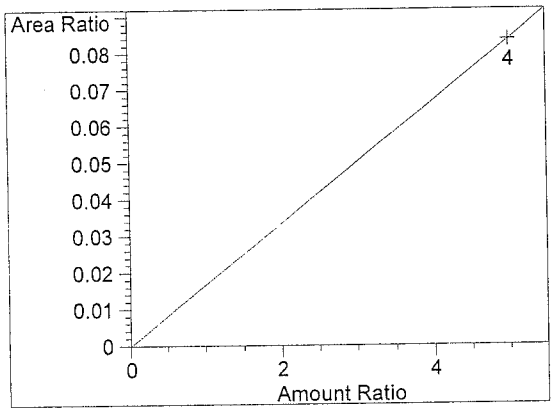
Tox Peak 3 at exp. RT: 6.709
ECD2 B,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 3.85603e-2
b: -1.11022e-17
x: Amount Ratio
y: Area Ratio



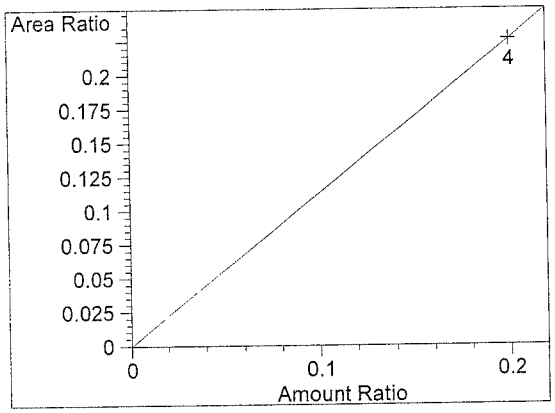
Tox Peak 5 at exp. RT: 7.125
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 2.89554e-2
b: -1.11022e-17
x: Amount Ratio
y: Area Ratio



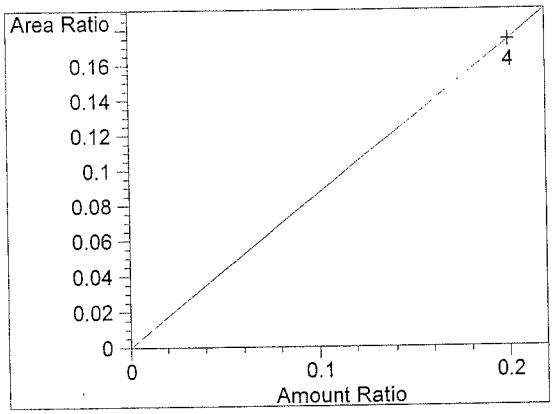
Tox Peak 4 at exp. RT: 7.286
ECD2 B,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 3.53337e-2
b: 1.11022e-17
x: Amount Ratio
y: Area Ratio



Tox Peak 5 at exp. RT: 7.753
ECD2 B,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.67206e-2
b: -2.77556e-18
x: Amount Ratio
y: Area Ratio



DCBP at exp. RT: 8.316
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.13145
b: 1.20490e-17
x: Amount Ratio
y: Area Ratio

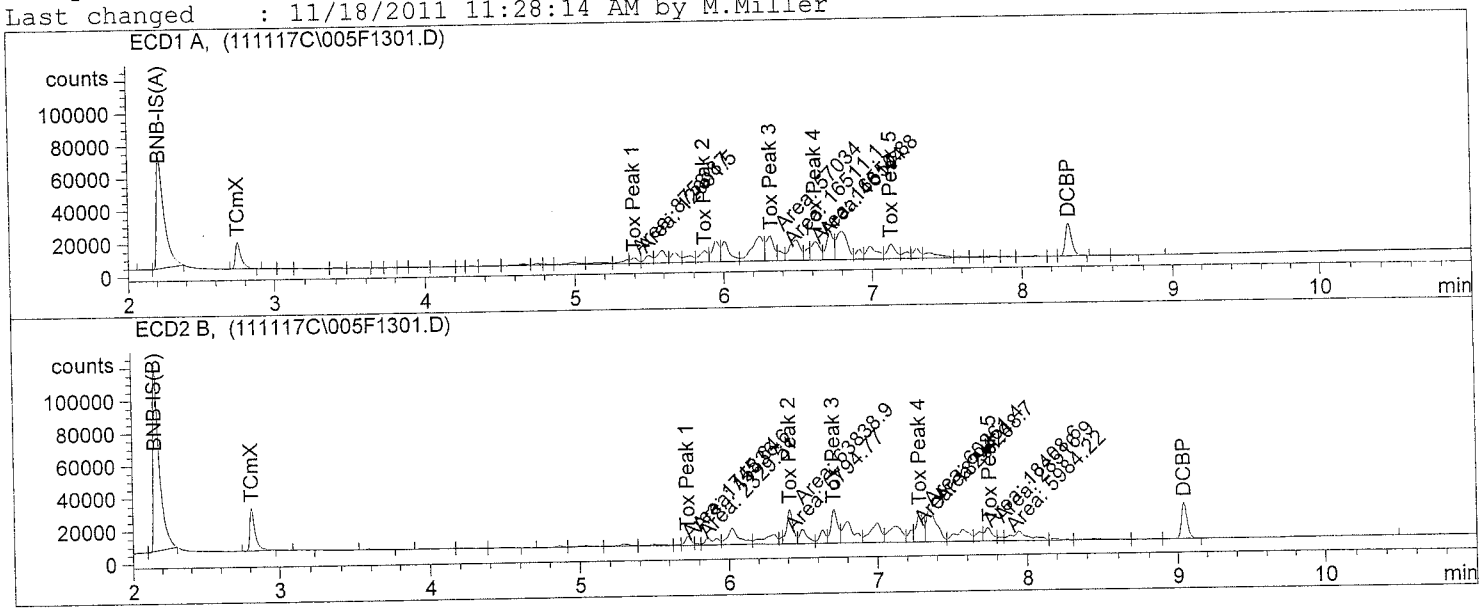


DCBP at exp. RT: 9.042
ECD2 B,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.69664e-1
b: 8.75620e-18
x: Amount Ratio
y: Area Ratio

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Injection Date : 11/17/2011 8:24:34 PM
Sample Name : T Cal (sp) .5ppm
Acq. Operator : G.J.Brien
Acq. Instrument : Dual ECD 1
Acq. Method : C:\HPCHEM\1\METHODS\PSTRUN.M
Last changed : 7/22/2010 11:35:51 AM by M.Miller
Analysis Method : C:\HPCHEM\1\METHODS\T1118ISA.M
Last changed : 11/18/2011 11:28:14 AM by M.Miller

Seq. Line : 13
Location : Vial 5
Inj : 1
Inj Volume : 2 µl



Internal Standard Report

Sorted By : Signal
Calib. Data Modified : Friday, November 18, 2011 11:27:38 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:

ISTD #	ISTD Amount [ng/ul]	Name
2	1.00000e-1	BNB-IS(B)
1	1.00000e-1	BNB-IS(A)

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.215	PB I	2.54073e5	1.00000	1.00000e-1		BNB-IS(A)
2.748	PB	4.58345e4	1.10865	2.00000e-2		TCmX
5.396	FM	1.20915e4	105.06254	5.00000e-1		Tox Peak 1
5.873	VV	2.90846e4	43.67823	5.00000e-1		Tox Peak 2
6.322	MF	5.70340e4	22.27380	5.00000e-1		Tox Peak 3
6.620	FM	4.61448e4	27.52996	5.00000e-1		Tox Peak 4
7.125	VV	3.67839e4	34.53582	5.00000e-1		Tox Peak 5
8.316	VB	5.74943e4	8.83818e-1	2.00000e-2		DCBP

Totals without ISTD(s) : 2.54000

Results obtained with enhanced integrator!

Signal 2: ECD2 B,

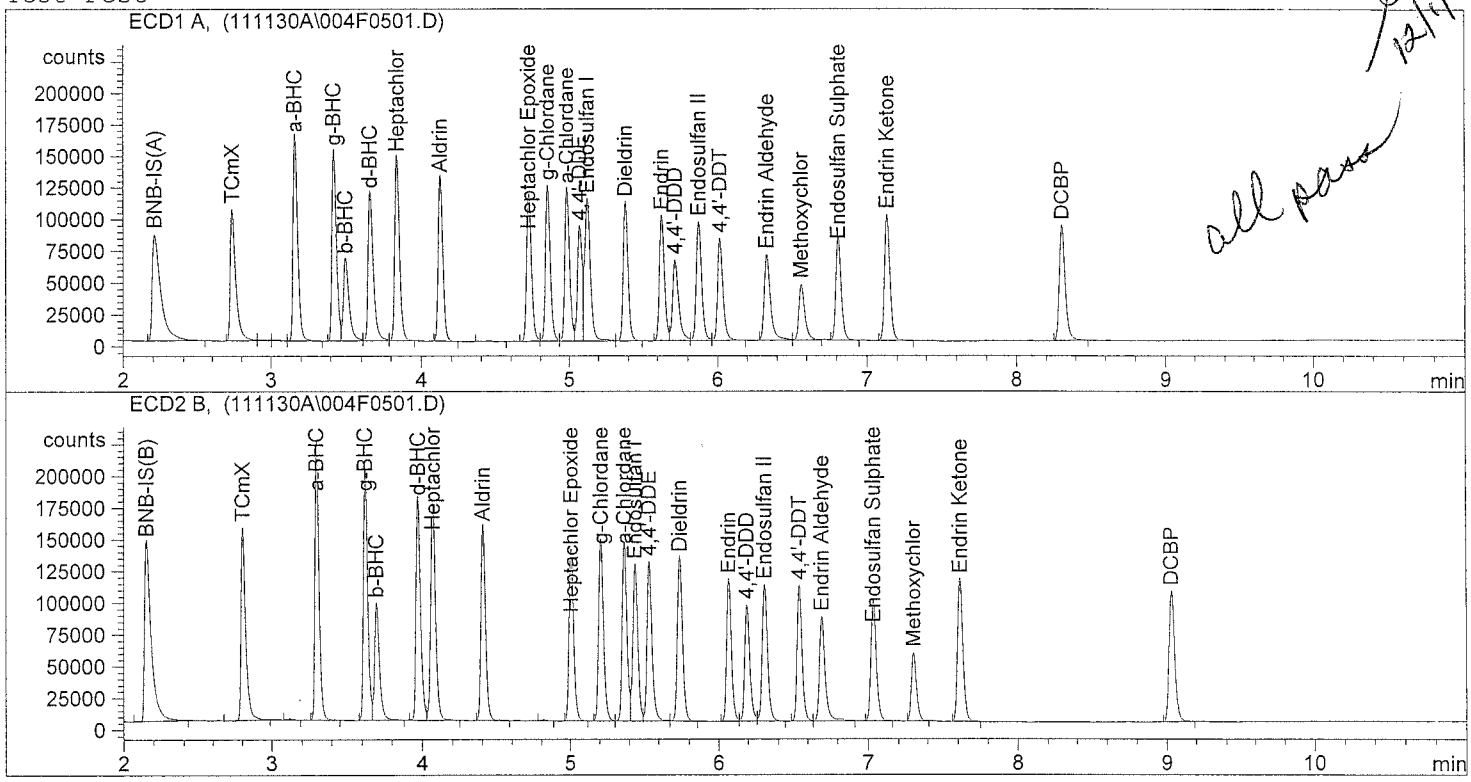
RetTime [min]	Type		Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.157	VB	I	3.41099e5	1.00000	1.00000e-1		BNB-IS(B)
2.814	PB		6.53936e4	1.04322	2.00000e-2		TCmX
5.724	MF		1.58366e4	107.69297	5.00000e-1		Tox Peak 1
6.414	FM		6.38389e4	26.71559	5.00000e-1		Tox Peak 2
6.709	VV		6.57643e4	25.93343	5.00000e-1		Tox Peak 3
7.286	FM		6.02614e4	28.30158	5.00000e-1		Tox Peak 4
7.753	MF		2.85169e4	59.80638	5.00000e-1		Tox Peak 5
9.042	VB		5.93282e4	1.14987	2.00000e-2		DCBP

Totals without ISTD(s) : 2.54000

Results obtained with enhanced integrator!

*** End of Report ***

```
==============================================================================
Injection Date  : 11/30/2011 6:36:38 PM          Seq. Line :   5
Sample Name     : PestCal L-5 .1                  Location : Vial 4
Acq. Operator   : G.J.Brien                          Inj :   1
Acq. Instrument : Dual ECD 1                    Inj Volume : 2 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PSTRUN.M
Last changed    : 7/22/2010 11:35:51 AM by M.Miller
Analysis Method : C:\HPCHEM\1\METHODS\P1118ISA.M
Last changed    : 11/18/2011 11:07:25 AM by M.Miller
Test Pest
```



all pass 12/1/11

```
==============================================================================
                        Internal Standard Report
==============================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Friday, November 18, 2011 11:02:29 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount   Name
  #     [ng/ul]
----|-------------|-------------------------
  2   1.00000e-1   BNB-IS(B)
  1   1.00000e-1   BNB-IS(A)


Signal 1: ECD1 A,

RetTime  Type     Area      Amt/Area    Amount    Grp   Name
 [min]          counts*s     ratio     [ng/ul]
-------|------|----------|----------|----------|--|------------------
  2.212 PB    I 3.32514e5     1.00000 1.00000e-1    BNB-IS(A)
  2.738 BV      2.74365e5     1.13904 9.39849e-2    TCmX
  3.161 VP      3.47050e5  9.09693e-1 9.49459e-2    a-BHC
  3.423 BV      3.12603e5     1.00667 9.46390e-2    g-BHC
  3.499 VV      1.71547e5     1.75821 9.07075e-2    b-BHC
  3.660 VV      2.86739e5     1.05330 9.08303e-2    d-BHC
  3.841 VB      3.22542e5  9.63876e-1 9.34968e-2    Heptachlor
```

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
4.126	BB	2.82553e5	1.09597	9.31300e-2		Aldrin
4.721	VV	2.68077e5	1.16007	9.35265e-2		Heptachlor Epoxide
4.850	VV	2.87921e5	1.06913	9.25754e-2		g-Chlordane
4.986	VV	2.85374e5	1.07586	9.23337e-2		a-Chlordane
5.075	VV	2.05074e5	1.47499	9.09677e-2		4,4'-DDE
5.127	VV	3.03144e5	1.05770	9.64279e-2		Endosulfan I
5.381	VB	2.56130e5	1.20236	9.26155e-2		Dieldrin
5.630	BV	2.33478e5	1.31910	9.26219e-2		Endrin
5.717	VV	1.76462e5	1.67311	8.87900e-2		4,4'-DDD
5.872	VV	2.36205e5	1.31187	9.31902e-2		Endosulfan II
6.016	VB	2.13000e5	1.35672	8.69082e-2		4,4'-DDT
6.330	BV	1.96254e5	1.59695	9.42540e-2		Endrin Aldehyde
6.565	VB	1.28487e5	2.31560	8.94770e-2		Methoxychlor
6.812	BB	2.08740e5	1.47994	9.29051e-2		Endosulfan Sulphate
7.131	BP	2.57085e5	1.21631	9.40396e-2		Endrin Ketone
8.306	BB	2.66638e5	1.25314	1.00488e-1		DCBP

Totals without ISTD(s) : 2.04285

Results obtained with enhanced integrator!

Signal 2: ECD2 B,

RetTime [min]	Type		Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.154	PB	I	4.38478e5	1.00000	1.00000e-1		BNB-IS(B)
2.805	VB		3.35627e5	1.24600	9.53737e-2		TCmX
3.301	BB		4.26621e5	9.66095e-1	9.39971e-2		a-BHC
3.622	BV		3.89258e5	1.06491	9.45375e-2		g-BHC
3.697	VB		2.11862e5	1.89670	9.16439e-2		b-BHC
3.974	BV		3.66605e5	1.10651	9.25141e-2		d-BHC
4.071	VB		3.81826e5	1.08972	9.48930e-2		Heptachlor
4.407	BP		3.30275e5	1.26085	9.49708e-2		Aldrin
5.008	BB		3.07908e5	1.32357	9.29438e-2		Heptachlor Epoxide
5.210	BV		3.25196e5	1.24676	9.24653e-2		g-Chlordane
5.366	VV		3.21607e5	1.26746	9.29633e-2		a-Chlordane
5.442	VV		2.97348e5	1.37318	9.31204e-2		Endosulfan I
5.538	VV		2.99848e5	1.33993	9.16294e-2		4,4'-DDE
5.740	VB		3.01047e5	1.35043	9.27174e-2		Dieldrin
6.071	PV		2.61710e5	1.53608	9.16823e-2		Endrin
6.192	VV		2.19760e5	1.85097	9.27681e-2		4,4'-DDD
6.309	VP		2.63247e5	1.52589	9.16092e-2		Endosulfan II
6.544	BV		2.53923e5	1.58852	9.19913e-2		4,4'-DDT
6.696	VB		2.22467e5	1.88569	9.56725e-2		Endrin Aldehyde
7.034	BB		2.36175e5	1.73745	9.35835e-2		Endosulfan Sulphate
7.304	BB		1.32525e5	3.00362	9.07810e-2		Methoxychlor
7.614	BP		2.76602e5	1.42998	9.02061e-2		Endrin Ketone
9.032	BB		2.80793e5	1.57715	1.00997e-1		DCBP

Totals without ISTD(s) : 2.05306

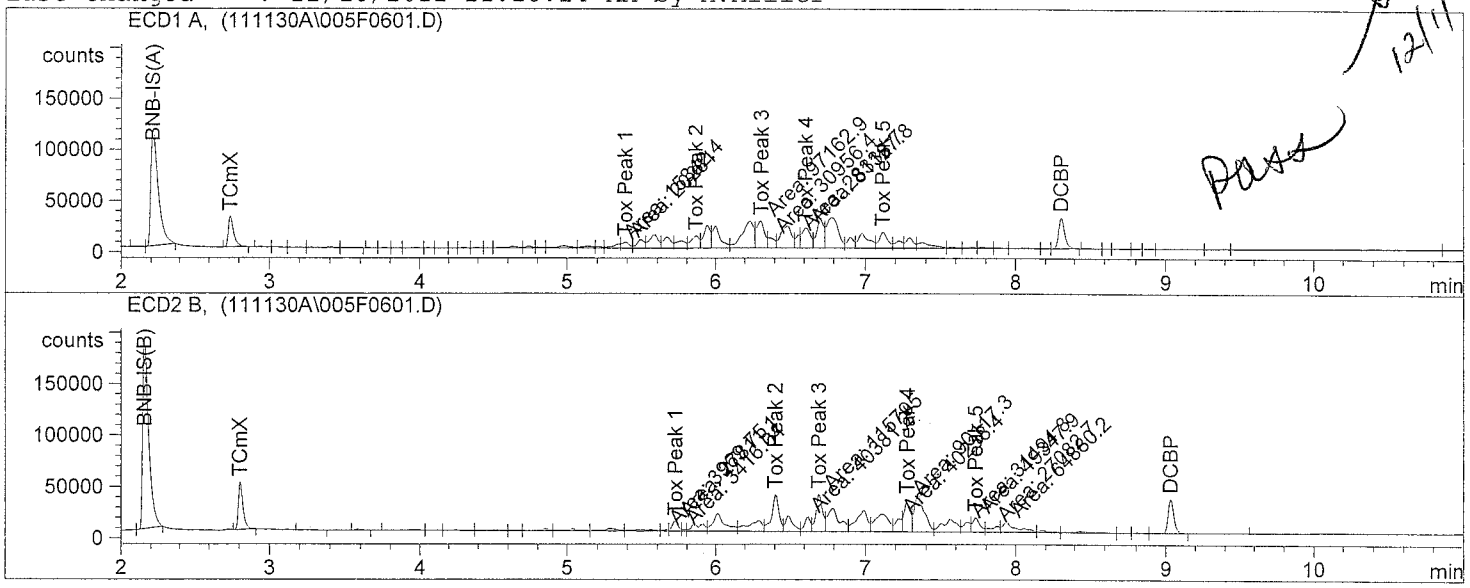
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

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*** End of Report ***

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==============================================================================
Injection Date  : 11/30/2011 6:52:50 PM          Seq. Line :   6
Sample Name     : ToxCal L-4 .5                   Location : Vial 5
Acq. Operator   : G.J.Brien                          Inj :   1
Acq. Instrument : Dual ECD 1                    Inj Volume : 2 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PSTRUN.M
Last changed    : 7/22/2010 11:35:51 AM by M.Miller
Analysis Method : C:\HPCHEM\1\METHODS\T1118ISA.M
Last changed    : 11/18/2011 11:28:14 AM by M.Miller
```




```
==============================================================================
                        Internal Standard Report
==============================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Friday, November 18, 2011 11:27:38 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount    Name
  #     [ng/ul]
----|-------------|------------------------
  2   1.00000e-1    BNB-IS(B)
  1   1.00000e-1    BNB-IS(A)


Signal 1: ECD1 A,

RetTime  Type      Area      Amt/Area     Amount    Grp   Name
 [min]           counts*s     ratio      [ng/ul]
-------|------|----------|----------|----------|--|------------------
  2.214 VB    I 4.16420e5     1.00000 1.00000e-1    BNB-IS(A)
  2.743 PB      7.60751e4     1.10865 2.02538e-2    TCmX
  5.388 FM      2.02810e4   105.06254 5.11689e-1    Tox Peak 1
  5.864 VV      5.01514e4    43.67823 5.26038e-1    Tox Peak 2
  6.312 MF      9.71629e4    22.27380 5.19713e-1    Tox Peak 3
  6.611 FM      8.11278e4    27.52996 5.36345e-1    Tox Peak 4
  7.117 VV      6.33545e4    34.53582 5.25431e-1    Tox Peak 5
  8.308 VB      8.65430e4  8.83818e-1 1.83681e-2    DCBP

Totals without ISTD(s) :                 2.65784

 Results obtained with enhanced integrator!
```

Signal 2: ECD2 B,

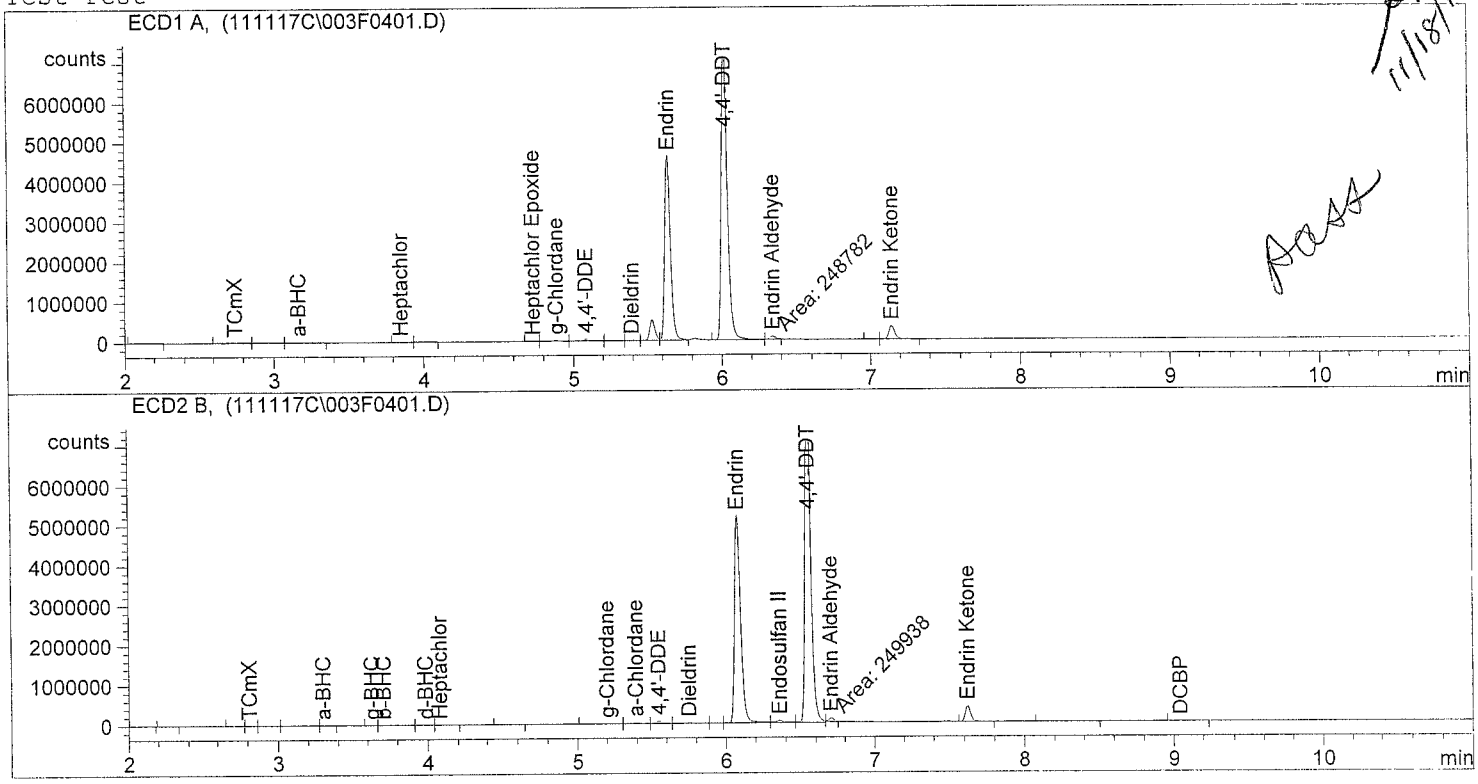
RetTime [min]	Type		Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.156	VB	I	5.35932e5	1.00000	1.00000e-1		BNB-IS(B)
2.808	PB		1.01331e5	1.04322	1.97245e-2		TCmX
5.720	MF		2.78111e4	107.69297	5.58850e-1		Tox Peak 1
6.405	VV		1.20254e5	26.71559	5.99453e-1		Tox Peak 2
6.700	FM		1.15795e5	25.93343	5.60323e-1		Tox Peak 3
7.277	FM		9.01173e4	28.30158	4.75893e-1		Tox Peak 4
7.729	FM		4.93479e4	59.80638	5.50689e-1		Tox Peak 5
9.033	VB		8.98690e4	1.14987	1.92819e-2		DCBP

Totals without ISTD(s) : 2.78421

Results obtained with enhanced integrator!

*** End of Report ***

```
Injection Date  : 11/17/2011 5:59:18 PM          Seq. Line :   4
Sample Name     : Pest Degrad                    Location : Vial 3
Acq. Operator   : G.J.Brien                          Inj :   1
Acq. Instrument : Dual ECD 1                 Inj Volume : 2 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PSTRUN.M
Last changed    : 7/22/2010 11:35:51 AM by M.Miller
Analysis Method : C:\HPCHEM\1\METHODS\P1115ISC.M
Last changed    : 11/17/2011 4:13:25 PM by M.Miller
Test Pest
```



Internal Standard Report

```
Sorted By             :      Signal
Calib. Data Modified  :      11/17/2011 4:13:23 PM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
```

ISTD #	ISTD Amount [ng/ul]	Name
2	1.00000e-1	BNB-IS(B)
1	1.00000e-1	BNB-IS(A)

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.210		-	-	-		BNB-IS(A)
2.746	PV	4140.12158	0.00000	1.40218e-3		TCmX
3.162	VB	7715.72559	0.00000	6.66916e-3		a-BHC
3.420		-	-	-		g-BHC
3.510		-	-	-		b-BHC
3.660		-	-	-		d-BHC
3.849	BV	3056.12744	0.00000	2.20338e-4		Heptachlor

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
4.140		-	-	-		Aldrin
4.728	BV	2916.68042	0.00000	1.66080e-4		Heptachlor Epoxide
4.883	VP	3.93332e4	0.00000	1.60053e-3		g-Chlordane
4.990		-	-	-		a-Chlordane
5.083	VV	1.20976e5	0.00000	6.26377e-3		4,4'-DDE
5.150		-	-	-		Endosulfan I
5.392	VV	3.58148e4	0.00000	3.49417e-3		Dieldrin
5.638	VV	1.26358e7	0.00000	2.19465e-3		Endrin
5.730		-	-	-		4,4'-DDD
5.880		-	-	-		Endosulfan II
6.022	VV	2.10116e7	0.00000	5.47853e-3		4,4'-DDT
6.340	MM	2.48782e5	0.00000	1.50232e-3		Endrin Aldehyde
6.570		-	-	-		Methoxychlor
6.820		-	-	-		Endosulfan Sulphate
7.140	VB	9.04084e5	0.00000	3.11870e-3		Endrin Ketone
8.320		-	-	-		DCBP

Totals without ISTD(s) : 3.21104e-2

Results obtained with enhanced integrator!

Signal 2: ECD2 B,

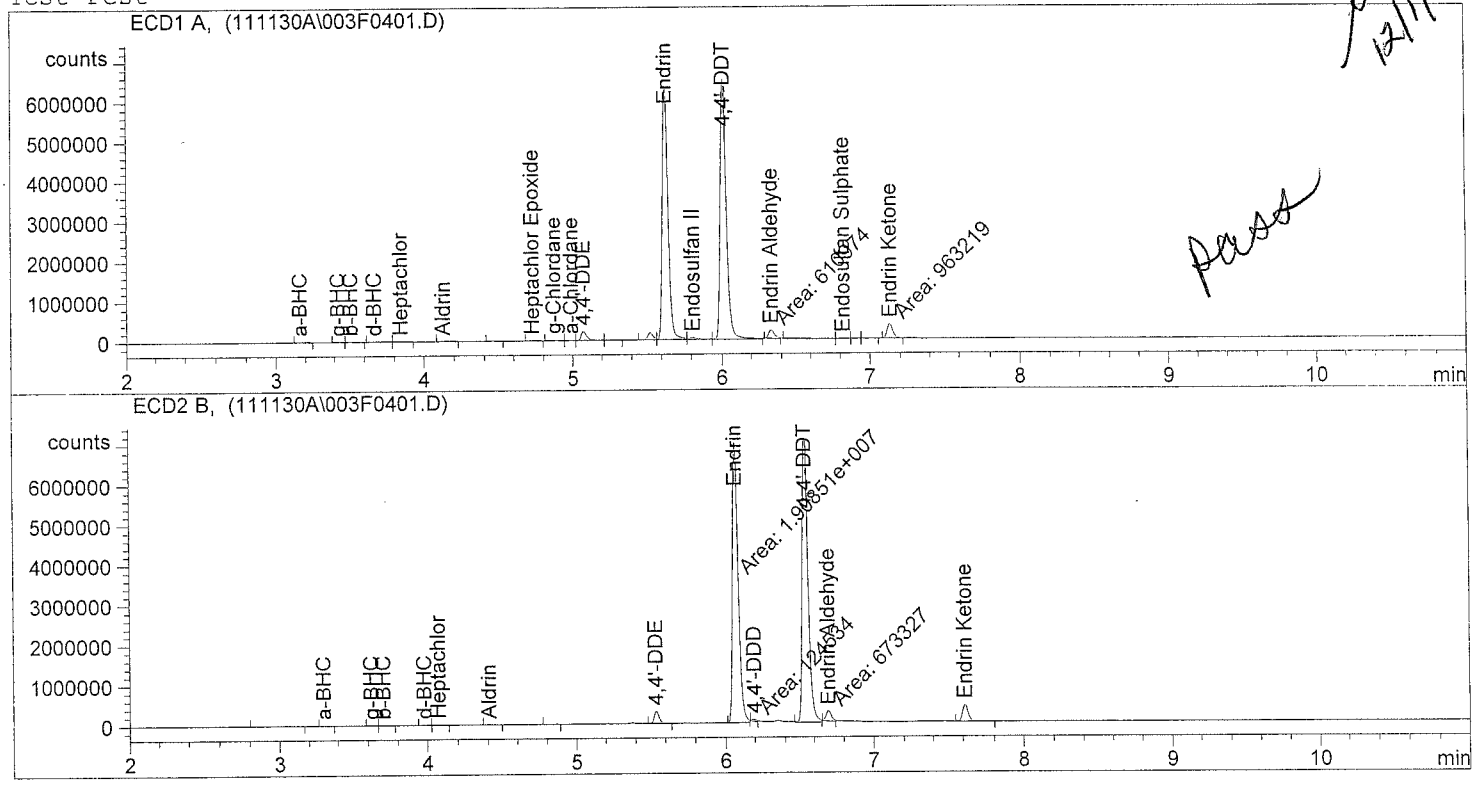
RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.160		-	-	-		BNB-IS(B)
2.814	VV	8201.29883	0.00000	0.00000		TCmX
3.303	BB	2493.57983	0.00000	3.86598e-3		a-BHC
3.631	PV	3025.26685	0.00000	2.27291e-3		g-BHC
3.710	VV	1.12825e4	0.00000	1.54385e-3		b-BHC
3.985	VV	5964.15967	0.00000	4.20276e-3		d-BHC
4.078	VB	3037.10767	0.00000	0.00000		Heptachlor
4.420		-	-	-		Aldrin
5.020		-	-	-		Heptachlor Epoxide
5.201	BP	1.22581e4	0.00000	0.00000		g-Chlordane
5.392	VV	5.29478e4	0.00000	0.00000		a-Chlordane
5.450		-	-	-		Endosulfan I
5.548	VV	1.62845e5	0.00000	1.55778e-3		4,4'-DDE
5.751	VV	7.28552e4	0.00000	1.42581e-3		Dieldrin
6.079	VV	1.47498e7	0.00000	0.00000		Endrin
6.200		-	-	-		4,4'-DDD
6.360	VV	2.59621e5	0.00000	0.00000		Endosulfan II
6.554	VV	2.18533e7	0.00000	3.60448e-3		4,4'-DDT
6.705	MM	2.49938e5	0.00000	2.02512e-4		Endrin Aldehyde
7.050		-	-	-		Endosulfan Sulphate
7.310		-	-	-		Methoxychlor
7.622	VB	1.00395e6	0.00000	1.26853e-3		Endrin Ketone
9.044	BB	5119.41064	0.00000	0.00000		DCBP

Totals without ISTD(s) : 1.99446e-2

Results obtained with enhanced integrator!
10 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : ISTD compound(s) not found
Warning : Elution order of calibrated compounds may have changed
Warning : Negative results set to zero (cal. curve intercept), (TCmX)
Warning : Negative results set to zero (cal. curve intercept), (Heptachlor)
Warning : Negative results set to zero (cal. curve intercept), (g-Chlordane)
Warning : Negative results set to zero (cal. curve intercept), (a-Chlordane)
Warning : Negative results set to zero (cal. curve intercept), (Endrin)
Warning : Negative results set to zero (cal. curve intercept), (Endosulfan II)
Warning : Negative results set to zero (cal. curve intercept), (DCBP)

```
Injection Date  : 11/30/2011 6:20:28 PM          Seq. Line :   4
Sample Name     : Pest Degrad                    Location : Vial 3
Acq. Operator   : G.J.Brien                          Inj :   1
Acq. Instrument : Dual ECD 1                 Inj Volume : 2 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PSTRUN.M
Last changed    : 7/22/2010 11:35:51 AM by M.Miller
Analysis Method : C:\HPCHEM\1\METHODS\P1118ISA.M
Last changed    : 11/18/2011 11:07:25 AM by M.Miller
Test Pest
```




```
=================================================================
                    Internal Standard Report
=================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Friday, November 18, 2011 11:02:29 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount   Name
  #     [ng/ul]
----|------------|-------------------------
  2   1.00000e-1   BNB-IS(B)
  1   1.00000e-1   BNB-IS(A)


Signal 1: ECD1 A,

RetTime  Type      Area      Amt/Area     Amount    Grp   Name
 [min]          counts*s      ratio      [ng/ul]
-------|------|----------|----------|----------|--|------------------
  2.214          -          -          -          BNB-IS(A)
  2.738          -          -          -          TCmX
  3.163 BB     1.06713e4    0.00000 4.67255e-3    a-BHC
  3.425 BV     1.03204e4    0.00000 2.90731e-3    g-BHC
  3.509 VB     7097.87744   0.00000 1.47427e-3    b-BHC
  3.668 BP     8074.84473   0.00000 7.06078e-3    d-BHC
  3.843 VB     1.86530e4    0.00000    0.00000    Heptachlor
```

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
4.128	BP	1.33566e4	0.00000	1.38903e-3		Aldrin
4.723	PB	1.56416e4	0.00000	0.00000		Heptachlor Epoxide
4.871	BV	4.68647e4	0.00000	0.00000		g-Chlordane
4.989	VV	1.60187e4	0.00000	0.00000		a-Chlordane
5.072	VV	6.24387e5	0.00000	7.71395e-3		4,4'-DDE
5.133		-	-	-		Endosulfan I
5.387		-	-	-		Dieldrin
5.630	VV	1.77668e7	0.00000	1.45234e-3		Endrin
5.719		-	-	-		4,4'-DDD
5.808	VV	2.47779e5	0.00000	0.00000		Endosulfan II
6.012	VV	1.88189e7	0.00000	5.08774e-3		4,4'-DDT
6.331	MM	6.10974e5	0.00000	0.00000		Endrin Aldehyde
6.569		-	-	-		Methoxychlor
6.816	VV	3.85881e4	0.00000	4.93350e-4		Endosulfan Sulphate
7.131	MM	9.63219e5	0.00000	0.00000		Endrin Ketone
8.312		-	-	-		DCBP

Totals without ISTD(s) : 3.22513e-2

Results obtained with enhanced integrator!

Signal 2: ECD2 B,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.156		-	-	-		BNB-IS(B)
2.806		-	-	-		TCmX
3.303	BB	1.61415e4	0.00000	2.17475e-3		a-BHC
3.624	BV	1.60288e4	0.00000	6.88070e-4		g-BHC
3.703	VB	9403.00391	0.00000	0.00000		b-BHC
3.979	BV	1.25817e4	0.00000	3.74122e-3		d-BHC
4.072	VB	2.27313e4	0.00000	0.00000		Heptachlor
4.408	BP	1.64705e4	0.00000	3.36136e-4		Aldrin
5.015		-	-	-		Heptachlor Epoxide
5.216		-	-	-		g-Chlordane
5.373		-	-	-		a-Chlordane
5.448		-	-	-		Endosulfan I
5.537	VV	7.36093e5	0.00000	1.39993e-3		4,4'-DDE
5.748		-	-	-		Dieldrin
6.071	MM	1.90851e7	0.00000	6.05600e-4		Endrin
6.195	MM	1.24534e5	0.00000	4.91433e-3		4,4'-DDD
6.316		-	-	-		Endosulfan II
6.543	VV	2.01059e7	0.00000	3.29426e-3		4,4'-DDT
6.695	MM	6.73327e5	0.00000	0.00000		Endrin Aldehyde
7.041		-	-	-		Endosulfan Sulphate
7.310		-	-	-		Methoxychlor
7.612	VB	1.08110e6	0.00000	0.00000		Endrin Ketone
9.040		-	-	-		DCBP

Totals without ISTD(s) : 1.71543e-2

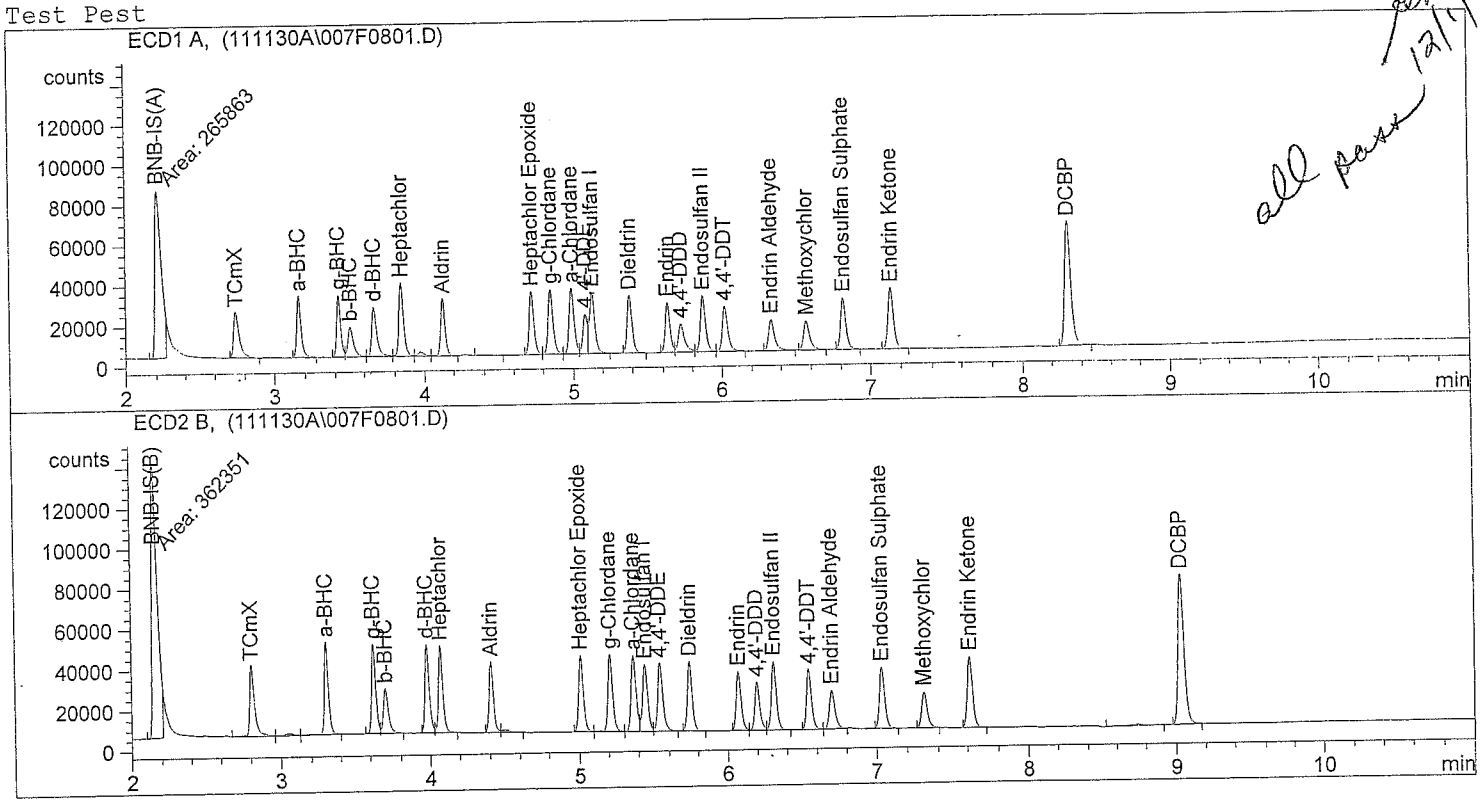
Results obtained with enhanced integrator!
13 Warnings or Errors (10 first messages follow) :

Warning : Calibration warnings (see calibration table listing)
Warning : ISTD compound(s) not found
Warning : Negative results set to zero (cal. curve intercept), (b-BHC)
Warning : Negative results set to zero (cal. curve intercept), (Heptachlor)
Warning : Negative results set to zero (cal. curve intercept), (Heptachlor)
Warning : Negative results set to zero (cal. curve intercept), (Heptachlor Epoxide)
Warning : Negative results set to zero (cal. curve intercept), (g-Chlordane)
Warning : Negative results set to zero (cal. curve intercept), (a-Chlordane)
Warning : Negative results set to zero (cal. curve intercept), (Endosulfan II)
Warning : Negative results set to zero (cal. curve intercept), (Endrin Aldehyde)

PESTICIDES

RAW QC DATA

```
Injection Date  : 11/30/2011 7:25:08 PM          Seq. Line :   8
Sample Name     : S LCS 11/30                    Location : Vial 7
Acq. Operator   : G.J.Brien                         Inj :   1
Acq. Instrument : Dual ECD 1                  Inj Volume : 2 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PSTRUN.M
Last changed    : 7/22/2010 11:35:51 AM by M.Miller
Analysis Method : C:\HPCHEM\1\METHODS\P1118ISA.M
Last changed    : 11/18/2011 11:07:25 AM by M.Miller
Test Pest
```



all pass 12/1/11

```
                    Internal Standard Report

Sorted By                :      Signal
Calib. Data Modified     :      Friday, November 18, 2011 11:02:29 AM
Multiplier               :      1.0000
Dilution                 :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount    Name
  #     [ng/ul]
----|-------------|-------------------------
  2   1.00000e-1    BNB-IS(B)
  1   1.00000e-1    BNB-IS(A)


Signal 1: ECD1 A,

RetTime  Type      Area      Amt/Area     Amount    Grp   Name
 [min]           counts*s      ratio     [ng/ul]
-------|------|----------|----------|----------|--|------------------
  2.209 MM    I 2.65863e5     1.00000 1.00000e-1    BNB-IS(A)
  2.741 BP      6.02509e4     1.09405 2.47939e-2    TCmX  49.6%
  3.161 BB      6.07281e4     1.06949 2.44291e-2    a-BHC
  3.424 BV      6.06633e4     1.10316 2.51715e-2    g-BHC
  3.504 VV      4.01345e4     1.82730 2.75848e-2    b-BHC
  3.664 VV      5.85008e4     1.29231 2.84361e-2    d-BHC
  3.841 VV      7.90317e4  8.84080e-1 2.62806e-2    Heptachlor
```

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
4.126	VP	6.03070e4	1.14086	2.58787e-2		Aldrin
4.721	BV	7.16476e4	1.09560	2.95254e-2		Heptachlor Epoxide
4.851	VV	7.45800e4	1.06113	2.97669e-2		g-Chlordane
4.987	VV	7.48863e4	1.05195	2.96305e-2		a-Chlordane
5.079	VV	4.20116e4	1.83807	2.90452e-2		4,4'-DDE
5.128	VB	7.94650e4	1.01531	3.03471e-2		Endosulfan I
5.382	BB	6.44879e4	1.25945	3.05493e-2		Dieldrin
5.631	BV	5.74963e4	1.36557	2.95323e-2		Endrin
5.723	VV	4.20038e4	2.05863	3.25244e-2		4,4'-DDD
5.873	VV	7.05309e4	1.30588	3.46439e-2		Endosulfan II
6.020	VB	5.90732e4	1.50628	3.34686e-2		4,4'-DDT
6.332	BB	4.50769e4	1.55789	2.64139e-2		Endrin Aldehyde
6.569	BB	4.19754e4	2.35046	3.71100e-2		Methoxychlor
6.814	BB	6.50423e4	1.49225	3.65073e-2		Endosulfan Sulphate
7.134	BB	7.72782e4	1.21180	3.52233e-2		Endrin Ketone
8.306	PB	1.81178e5	1.23473	8.41431e-2		DCBP v 84.1%

Totals without ISTD(s) : 7.11006e-1

Results obtained with enhanced integrator!

Signal 2: ECD2 B,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.151	MM I	3.62351e5	1.00000	1.00000e-1		BNB-IS(B)
2.808	VP	8.29048e4	1.14071	2.60990e-2		TCmX
3.302	VB	8.73135e4	1.03400	2.49156e-2		a-BHC
3.624	BV	8.30385e4	1.08719	2.49147e-2		g-BHC
3.701	VB	5.12871e4	1.88729	2.67127e-2		b-BHC
3.977	BV	9.03029e4	1.21189	3.02019e-2		d-BHC
4.072	VB	9.17821e4	9.87880e-1	2.50226e-2		Heptachlor
4.408	BV	7.28694e4	1.27310	2.56023e-2		Aldrin
5.010	BV	8.42784e4	1.24557	2.89705e-2		Heptachlor Epoxide
5.211	VV	8.72442e4	1.23753	2.97964e-2		g-Chlordane
5.368	VV	8.52690e4	1.23296	2.90141e-2		a-Chlordane
5.443	VV	7.74451e4	1.34928	2.88381e-2		Endosulfan I
5.541	VB	8.09015e4	1.38216	3.08592e-2		4,4'-DDE
5.742	BB	7.77108e4	1.38855	2.97793e-2		Dieldrin
6.072	BV	6.68276e4	1.55877	2.87480e-2		Endrin
6.196	VV	5.78322e4	2.06082	3.28913e-2		4,4'-DDD
6.311	VP	8.15456e4	1.49331	3.36062e-2		Endosulfan II
6.547	BP	6.89359e4	1.70479	3.24330e-2		4,4'-DDT
6.698	VB	4.98797e4	1.82528	2.51261e-2		Endrin Aldehyde
7.036	BB	7.39506e4	1.72895	3.52854e-2		Endosulfan Sulphate
7.307	BB	4.52923e4	2.94258	3.67810e-2		Methoxychlor
7.616	BB	8.39641e4	1.41861	3.28720e-2		Endrin Ketone
9.033	BB	2.02172e5	1.56078	8.70832e-2		DCBP

Totals without ISTD(s) : 7.05553e-1

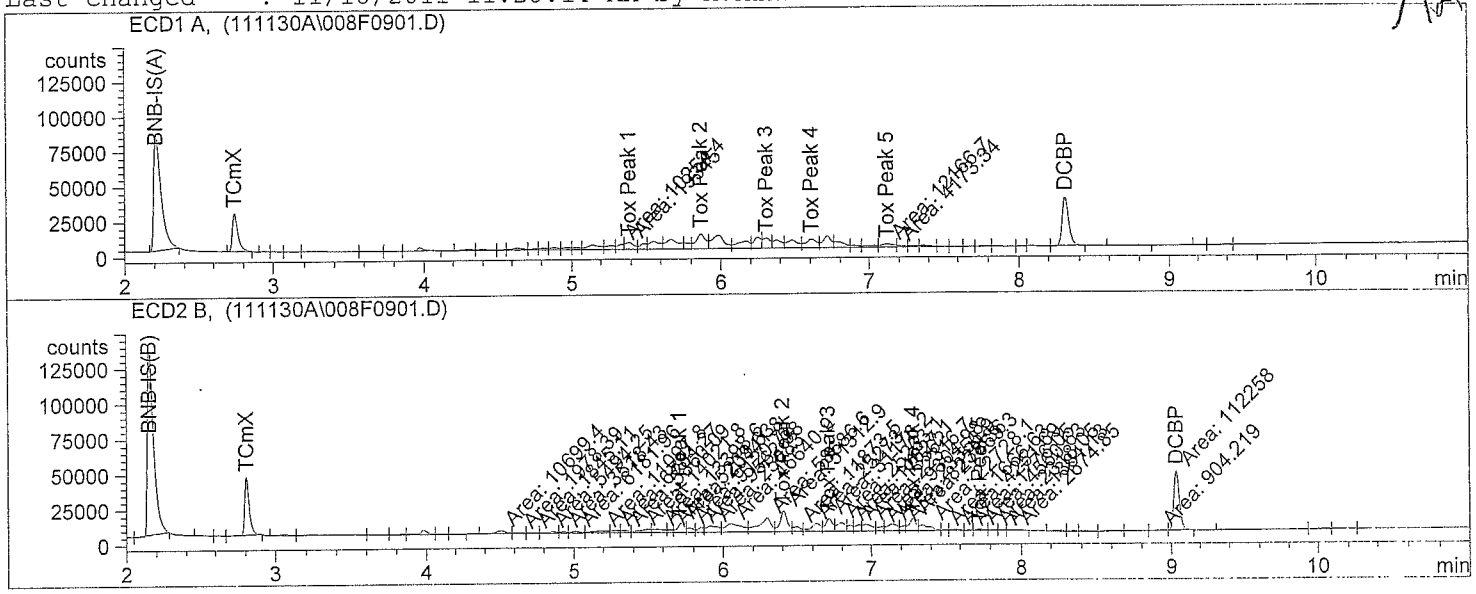
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

==========

*** End of Report ***

```
Injection Date  : 11/30/2011 7:41:13 PM          Seq. Line :   9
Sample Name     : S LCS2 11/30                    Location : Vial 8
Acq. Operator   : G.J.Brien                          Inj :   1
Acq. Instrument : Dual ECD 1                   Inj Volume : 2 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PSTRUN.M
Last changed    : 7/22/2010 11:35:51 AM by M.Miller
Analysis Method : C:\HPCHEM\1\METHODS\T1118ISA.M
Last changed    : 11/18/2011 11:28:14 AM by M.Miller
```



Internal Standard Report

```
Sorted By             :      Signal
Calib. Data Modified  :      Friday, November 18, 2011 11:27:38 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
```

ISTD #	ISTD Amount [ng/ul]	Name
2	1.00000e-1	BNB-IS(B)
1	1.00000e-1	BNB-IS(A)

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.211	PB I	2.93999e5	1.00000	1.00000e-1		BNB-IS(A)
2.741	PB	6.91294e4	1.10865	2.60682e-2		TCmX
5.385	FM	1.93450e4	105.06254	6.91304e-1		Tox Peak 1
5.865	VV	4.66747e4	43.67823	6.93426e-1		Tox Peak 2
6.305	VV	2.56337e4	22.27380	1.94204e-1		Tox Peak 3
6.607	VV	3.03849e4	27.52996	2.84523e-1		Tox Peak 4
7.117	MF	1.21667e4	34.53582	1.42921e-1		Tox Peak 5
8.307	VB	1.01530e5	8.83818e-1	3.05219e-2		DCBP

Totals without ISTD(s) : 2.06297

Results obtained with enhanced integrator!

Signal 2: ECD2 B,

RetTime [min]	Type		Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.154	VB	I	3.83901e5	1.00000	1.00000e-1		BNB-IS(B)
2.807	VB		8.78256e4	1.04322	2.38659e-2		TCmX
5.709	MF		2.04418e4	107.69297	5.73440e-1		Tox Peak 1
6.405	VV		5.13129e4	26.71559	3.57085e-1		Tox Peak 2
6.704	VV		3.11762e4	25.93343	2.10603e-1		Tox Peak 3
7.276	FM		2.78693e4	28.30158	2.05455e-1		Tox Peak 4
7.727	FM		4560.63428	59.80638	7.10483e-2		Tox Peak 5
9.033	FM		1.12258e5	1.14987	3.36238e-2		DCBP

Totals without ISTD(s) : 1.47512

Results obtained with enhanced integrator!

*** End of Report ***

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Pesticide Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc

Client Job Site:	690 St. Paul St.	**Lab Project Number:**	11-5141A
		Lab Sample Number:	Soil PB 11/30
Client Job Number:	209280		
Field Location:	N/A	**Date Sampled:**	N/A
Field ID Number:	N/A	**Date Received:**	N/A
Sample Type:	Soil	**Date Analyzed:**	11/30/2011

Pesticide Identification	Results in ug / Kg
Aldrin	< 2.86
alpha-BHC	< 2.86
beta-BHC	< 2.86
delta-BHC	< 2.86
gamma-BHC	< 2.86
gamma-Chlordane	< 2.86
alpha-Chlordane	< 2.86
4,4'-DDD	< 2.86
4,4'-DDE	< 2.86
4,4'-DDT	< 2.86
Dieldrin	< 2.86
Endosulfan I	< 2.86
Endosulfan II	< 2.86
Endosulfan Sulfate	< 2.86
Endrin	< 2.86
Endrin Aldehyde	< 2.86
Endrin Ketone	< 2.86
Heptachlor	< 2.86
Heptachlor Epoxide	< 2.86
Methoxychlor	< 2.86
Toxaphene	< 14.3

ELAP Number 10958

Analytical Method: EPA 8081B
Prep Method: EPA 3550C

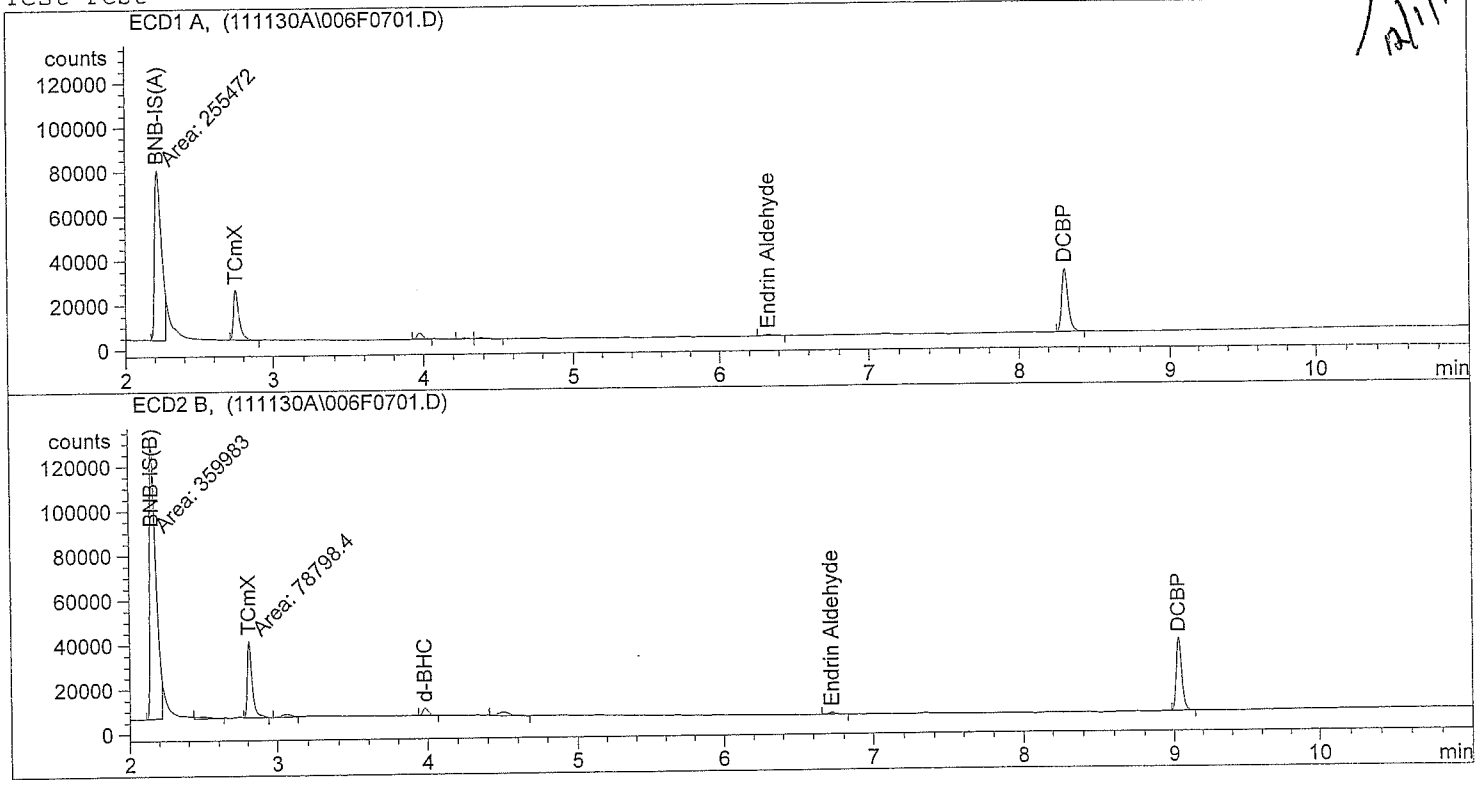
Comments: ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

```
Injection Date  : 11/30/2011 7:09:00 PM          Seq. Line :   7
Sample Name     : S PB 11/30                     Location : Vial 6
Acq. Operator   : G.J.Brien                         Inj :   1
Acq. Instrument : Dual ECD 1                  Inj Volume : 2 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PSTRUN.M
Last changed    : 7/22/2010 11:35:51 AM by M.Miller
Analysis Method : C:\HPCHEM\1\METHODS\P1118ISA.M
Last changed    : 11/18/2011 11:07:25 AM by M.Miller
Test Pest
```



Internal Standard Report

```
Sorted By             :      Signal
Calib. Data Modified  :      Friday, November 18, 2011 11:02:29 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
```

ISTD #	ISTD Amount [ng/ul]	Name
2	1.00000e-1	BNB-IS(B)
1	1.00000e-1	BNB-IS(A)

Signal 1: ECD1 A,

RetTime [min]	Type		Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.216	MM	I	2.55472e5	1.00000	1.00000e-1		BNB-IS(A)
2.745	BP		5.91423e4	1.09536	2.53578e-2		TCmX ✓50.7%
3.163			-	-	-		a-BHC
3.425			-	-	-		g-BHC
3.499			-	-	-		b-BHC
3.661			-	-	-		d-BHC
3.845			-	-	-		Heptachlor

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
4.131		-	-	-		Aldrin
4.727		-	-	-		Heptachlor Epoxide
4.856		-	-	-		g-Chlordane
4.992		-	-	-		a-Chlordane
5.078		-	-	-		4,4'-DDE
5.133		-	-	-		Endosulfan I
5.387		-	-	-		Dieldrin
5.637		-	-	-		Endrin
5.719		-	-	-		4,4'-DDD
5.878		-	-	-		Endosulfan II
6.021		-	-	-		4,4'-DDT
6.327	PB	2985.43994	8.17458e-1	~~9.55279e-4~~		Endrin Aldehyde
6.569		-	-	-		Methoxychlor
6.819		-	-	-		Endosulfan Sulphate
7.139		-	-	-		Endrin Ketone
8.309	BB	8.24459e4	1.09840	3.54475e-2		DCBP ✓ 70.9%

Totals without ISTD(s) : 6.17606e-2

Results obtained with enhanced integrator!

Signal 2: ECD2 B,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.157	MM I	3.59983e5	1.00000	1.00000e-1		BNB-IS(B)
2.809	MM	7.87984e4	1.13391	2.48207e-2		TCmX
3.304		-	-	-		a-BHC
3.625		-	-	-		g-BHC
3.698		-	-	-		b-BHC
3.982	BP	8805.30176	2.59127	6.33834e-3		d-BHC
4.076		-	-	-		Heptachlor
4.413		-	-	-		Aldrin
5.015		-	-	-		Heptachlor Epoxide
5.216		-	-	-		g-Chlordane
5.373		-	-	-		a-Chlordane
5.448		-	-	-		Endosulfan I
5.544		-	-	-		4,4'-DDE
5.748		-	-	-		Dieldrin
6.077		-	-	-		Endrin
6.197		-	-	-		4,4'-DDD
6.316		-	-	-		Endosulfan II
6.550		-	-	-		4,4'-DDT
6.721	PB	3380.28516	6.92980e-1	6.50717e-4		Endrin Aldehyde
7.041		-	-	-		Endosulfan Sulphate
7.310		-	-	-		Methoxychlor
7.621		-	-	-		Endrin Ketone
9.034	BB	8.82920e4	1.39875	3.43068e-2		DCBP

Totals without ISTD(s) : 6.61166e-2

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

==========

*** End of Report ***

ORGANIC PREP: Pesticide & PCB Aqueous & Non-Aqueous Samples

DATE	SAMPLE #	EPA METHOD	INITIAL VOLUME	FINAL VOLUME	INITIALS	SURROGATE/SPIKE	CLEAN-UP	OTHER
11/30/11	BLK	Pest/PCB.S	"35.0g"	10 mL	edf	50 µl PBSS# 11251	Pest F / PCB Cu	MeCl2 → Hexane
	LCS	PCB.S				25 µl PCB1254# 11259	Cu F, F/S	
	LCS1	Pest.S				20 µl Pest MS# 11167	F	
	LCS2	↓	↓			5 µl Tox# 16909	↓	
	17006	Pest/PCB.S	34.9				F/S Cu	G3
	17007	↓	35.0	↓	↓	↓	↓ ↓	↓ ↓
11/30 cont. from Prev. Page	17054	Pest/PCB.W	1L	10 mL	edf/mw	50 µl PBSS# 11269	Pest / PCB	MeCl2 → Hexane; S3-1, S3-2
	17055						Cu	S3-1
	17056							S3-1, S3-2
	17057							S3-1, S3-3
	17058							S3-2, S3-3
	17059	↓	↓	↓				S3-1, S3-2
	17055 MS	Pest.W	500	5 ml		25 µl PBSS# 11269 10 mL ee mw 11/29/11; 20 µl Pest MS# 11167	ee/dx mw Cu	S3-2
	17055 msd	↓	↓	↓		↓		S3-6
	17055 MS	PCB.W	↓	↓		12.5 ee mw 11/29/11; 25 µl PCB 1254# 11259	Cu	S3-5
	17055 msd	↓	↓	↓	↓	↓ ee mw 11/29/11	↓	S3-9 ↓
11/30/11	BLK	PCB.S	"5.00	20 mL	mw	100 µl PBSS# 11251	F/S Cu	3:1
	LCS		↓			60 µl PCB1254 11259	↓	
	17018		5.14				F/S	G2
	17019		5.28				F/S, Cu	G2
	17004		5.06				F/S	mL
	17005		4.88					mL
	17023		5.03					S3
	17024		5.13					
	17025		5.14					
	17026		5.23					
	17027		5.33	↓			↓	↓ ↓

GC / ECD Pest System 5890 / DuaL ECD

Initial Calibration Date _____

Date	GC Method	Vial #	Data File	Matrix	Sample ID	Standard #	Notes	Initials	A	R	Comments	Initials
11/17/11	PSTRUN	1	111117C	-	Hexane x 2				-			
		2		-	Pest A+B	11046			-			
		1		-	Hexane				~			
		3		-	Pest Degrad	11056			✓		pass	
		6		-	Pest Cal L-1 .005 ppm	11047			✓			
		7		-	L-2 .010 "	11048			✓			
		8		-	L-3 .020 "	11049	Save as P111711SA.M		✓			
		9		-	L-4 .050 "	11050			✓			
		10		-	L-5 .100 "	11051			✓			
		11		-	L-6 .200"	11052			✓			
		12		-	L-7 .400"	11053			✓			
		13		-	Pest Ref .1 ppm	11061			✓			
		14		-	Tox Ref .5 ppm	11064			✓			
		5		-	Tox Cal (SP) .5 ppm	11059	Save as T111811SA.M		✓			
		~~13~~		-	Pest Degrad	11056			✓			
		4		-	Pest CCal .1 ppm	11054			✓			
		5		-	Tox CCal .5 ppm	11059						
		15		Soil	PB 11/16		Pest .3 (ASP)				DID NOT RUN next sequence	
		16			LCS 11/16							
		17			LCS2 11/16							
		18			16518 Panam 4949A							
		19			16519 ↓							
		20			16667 ERM 4970A							

A = Accepted: R = Rejected

GC / ECD Pest System 5890 / DuaL ECD

Initial Calibration Date 11/30/11

Date	GC Method	Vial #	Data File	Matrix	Sample ID	Standard #	Notes	Initials	A	R	Comments	Initials
11/30/11	PSTRUN	1	111130A	–	Hexane x2				–			
		2		–	Pest A+B	10046			–			
		1		–	Hexane				–			
		3		–	Pest Degrad	10760			✓		pass	
		4		–	Pest CCal 0.1ppm	11054			✓		all pass	
		5		–	Tox CCal 0.5ppm	11059			✓		pass	
		6		Soil	PB 11/30		Pest-S (ASP)		✓			
		7			LCS 11/30				✓		all pass	
		8			LCS2 11/30				✓		pass 65.7%	
		9			17006 LaB 5141A				✓			
		10			17007 ↓				✓			
		1		–	Hexane x2				–			
		2		–	Pest A+B	11046			–			
		1		–	Hexane				–			
		3		–	Pest Degrad	10760			✓		pass	
		4		–	Pest CCal 0.1ppm	11054			✓		all pass	
		5		–	Tox CCal 0.5ppm	11059			✓		pass	
		11		Water	PB 11/30 Param 5136A		Pest-W (ASP)		✓			
		12			LCS 11/30				✓		all pass	
		13			LCS2 11/30				✓		pass	
		14			16691				✓			
		15			16692				✓			
		16			16693				✓			
		17			16694				✓			
		18			16695				✓			

Continued

A = Accepted: R = Rejected

PCBS

QC SUMMARY

2F

SOIL PCB SURROGATE RECOVERY

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Lab Project #: 11-5141A Client Project #: 209280 SDG No.: 17006

Client Project Name: 690 St. Paul St.

GC Column: Rtx-PCB Detector: ECD1 A ID(mm): 0.32-narrow bore

	SAMPLE NO.	TCmX %REC	DCBP %REC	TOT OUT
01	Soil PB 11/30 LL	44.2	71.4	0
02	Soil LCS 11/30 LL	59.3	90.0	0
03	Soil PB 11/30 + Cu	44.0	73.1	0
04	Soil LCS 11/30 + Cu	57.5	88.6	0
05	CS-6 17006 (+Cu)	53.3	77.0	0
06	CS-7 17007	46.4	63.5	0
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

	QC LIMITS %
TCmX=Tetrachloro-m-xylene	(29.3-127)
DCBP=Decachlorobiphenyl	(48.3-129)

* Values outside of current required QC limits

D Surrogate diluted out

FORM II PCB-2

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc

Client Job Site: 690 St. Paul St.

Client Job Number: 209280
Field Location: N/A
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5141A
Lab Sample Number: Soil LCS 11/30 LL

Date Sampled: N/A
Date Received: N/A
Date Analyzed: 12/01/2011

SDG# : 17006

Spiked Compound	Blank Results in ug / Kg	LCS Spiked in ug / Kg	LCS Results in ug / Kg	LCS Percent Recovery	MSD Spiked in ug / Kg	MSD Results in ug / Kg	MSD Percent Recovery	MS / MSD % RPD
Aroclor 1254	< 0.0286	0.143	0.0970	67.8	N/A	N/A	N/A	N/A

ELAP Number 10958

Method: EPA 8082

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc

Client Job Site: 690 St. Paul St.
Client Job Number: 209280
Field Location: N/A
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5141A
Lab Sample Number: Soil LCS 11/30 +Cu

Date Sampled: N/A
Date Received: N/A
Date Analyzed: 12/01/2011

SDG# : 17006

Spiked Compound	Blank Results in ug / Kg	LCS Spiked in ug / Kg	LCS Results in ug / Kg	LCS Percent Recovery	MSD Spiked in ug / Kg	MSD Results in ug / Kg	MSD Percent Recovery	MS / MSD % RPD
Aroclor 1254	< 0.0286	0.143	0.0939	65.7	N/A	N/A	N/A	N/A

ELAP Number 10958

Method: EPA 8082

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis QC Limits

Limits effective: Oct 01,2011
Through: Dec 31,2011

Spiked Compound	Soil Spike Limits		Soil % RPD Limits		Water Spike Limits		Water % RPD Limits	
	Lower %	Upper %	Lower %	Upper %	Lower %	Upper %	Lower %	Upper %
PCB	25.3	138	N/A	79.0	25.0	111	N/A	60.3

Surrogate	Soil Surrogate Limits				Water Surrogate Limits			
	Lower %	Upper %			Lower %	Upper %		
TCmX	29.3	127			-4.85	89.2		
DCBP	48.3	129			38.3	124		

ELAP Number 10958

Method: EPA 8082

Note: When the lower acceptance limit is calculated to be below 10% recovery, a warning limit of 10% is established. Recoveries between the lower acceptance limit and the warning limit will be investigated, but will not invalidate the batch.

4C

PCB METHOD BLANK SUMMARY

SAMPLE NO.

Soil PB 11/30 LL

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Lab Project #: 11-5141A Client Project #: 209280 SDG No.: 17006

Client Project Name: 690 St. Paul St.

Lab File ID: 111130A\018F1801.D Date Analyzed: 12/1/2011

Extraction(type): MeCl2 -> Hexane Time Analyzed: 00:28

Matrix: (soil/water) soil Instrument ID: Instrument 1

Date Extracted: 11/30/2011 GC Column: Rtx-PCB ID(mm): 0.32

Sulfur Cleanup(Y/N): N Detector: ECD1 A narrow bore

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED
01	N/A	Soil LCS 11/30 LL	12/1/2011
02	CS-7	17007	12/1/2011
03			
04			
05			
06			
07			
08			
09			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

COMMENTS:

4C

PCB METHOD BLANK SUMMARY

SAMPLE NO.

Soil PB 11/30 + Cu

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Lab Project #: 11-5141A Client Project #: 209280 SDG No.: 17006

Client Project Name: 690 St. Paul St.

Lab File ID: 111130B\036F0401.D Date Analyzed: 12/1/2011

Extraction(type): MeCl2 -> Hexane Time Analyzed: 10:35

Matrix: (soil/water) soil Instrument ID: Instrument 1

Date Extracted: 11/30/2011 GC Column: Rtx-PCB ID(mm): 0.32

Sulfur Cleanup(Y/N): N Detector: ECD1 A narrow bore

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED
01	N/A	Soil LCS 11/30 + Cu	12/1/2011
02	CS-6	17006	12/1/2011
03			
04			
05			
06			
07			
08			
09			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

COMMENTS:

MDL Study: PCB 1221 in Soil
Instrument: 6890 - Micro-ECD
Spike Level: 0.100 ug/mL

Analyst: M.Miller
Date: 1/25/2011
Data Folder: 110124A

	Compound	MDL1	MDL2	MDL3	MDL4	MDL5	MDL6	MDL7	STD. DEV.	MDL
1	Tetrachloro-m-xylene	0.0360	0.0415	0.0386	0.0401	0.0388	0.0398	0.0396	0.0017	N/A
2	PCB 1221	0.1173	0.0918	0.0960	0.1047	0.1052	0.1077	0.1150	0.0092	**0.0291**
3	Decachlorobiphenyl	0.0532	0.0555	0.0537	0.0541	0.0540	0.0546	0.0538	0.0007	N/A
	Data File:	027F3301.D	028F3401.D	029F3501.D	030F3601.D	031F3701.D	032F3801.D	033F3901.D		

MDL Study: PCB 1221 in Soil (Low Level Extraction)
Instrument: 6890 - Micro-ECD
Spike Level: 0.100 ug/mL

Analyst: M.Miller
Date: 1/25/2011
Data Folder: 110124A

	Compound	MDL1	MDL2	MDL3	MDL4	MDL5	MDL6	MDL7	STD. DEV.	MDL
1	Tetrachloro-m-xylene	0.0331	0.0306	0.0338	0.0324	0.0326	0.0319	0.0334	0.0011	N/A
2	PCB 1221	0.0924	0.0997	0.1079	0.1045	0.1022	0.1009	0.1068	0.0052	**0.0164**
3	Decachlorobiphenyl	0.0549	0.0557	0.0590	0.0570	0.0567	0.0563	0.0568	0.0013	N/A
	Data File:	035F4101.D	036F4201.D	037F4301.D	038F4401.D	039F4501.D	040F4601.D	041F4701.D		

MDL Study: PCB 1221 in Water
Instrument: 6890 - Micro-ECD
Spike Level: 0.100 ug/mL

Analyst: M.Miller
Date: 2/1/2011
Data Folder: 110201A

	Compound	MDL1	MDL2	MDL3	MDL4	MDL5	MDL6	MDL7	STD. DEV.	MDL
1	Tetrachloro-m-xylene	0.0211	0.0259	0.0211	0.0272	0.0254	0.0256	0.0249	0.0024	N/A
2	PCB 1221	0.0552	0.0641	0.0562	0.0678	0.0635	0.0639	0.0621	0.0045	**0.0143**
3	Decachlorobiphenyl	0.0394	0.0400	0.0406	0.0405	0.0393	0.0398	0.0384	0.0007	N/A
	Data File:	006F0801.D	007F0901.D	008F1001.D	009F1101.D	010F1201.D	011F1301.D	012F1401.D		

PCBS

SAMPLE DATA

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc

Client Job Site:	690 St. Paul St.	**Lab Project Number:**	11-5141A
		Lab Sample Number:	17006
Client Job Number:	209280		
Field Location:	CS-6	**Date Sampled:**	11/29/2011
Field ID Number:	N/A	**Date Received:**	11/29/2011
Sample Type:	Soil	**Date Analyzed:**	12/01/2011

PCB Identification	Results in mg / Kg
Aroclor 1016	< 0.0312
Aroclor 1221	< 0.0312
Aroclor 1232	< 0.0312
Aroclor 1242	< 0.0312
Aroclor 1248	< 0.0312
Aroclor 1254	< 0.0312
Aroclor 1260	< 0.0312

ELAP Number 10958

Analytical Method: EPA 8082A
Prep Method: EPA 3550C

Comments: mg / Kg = milligram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

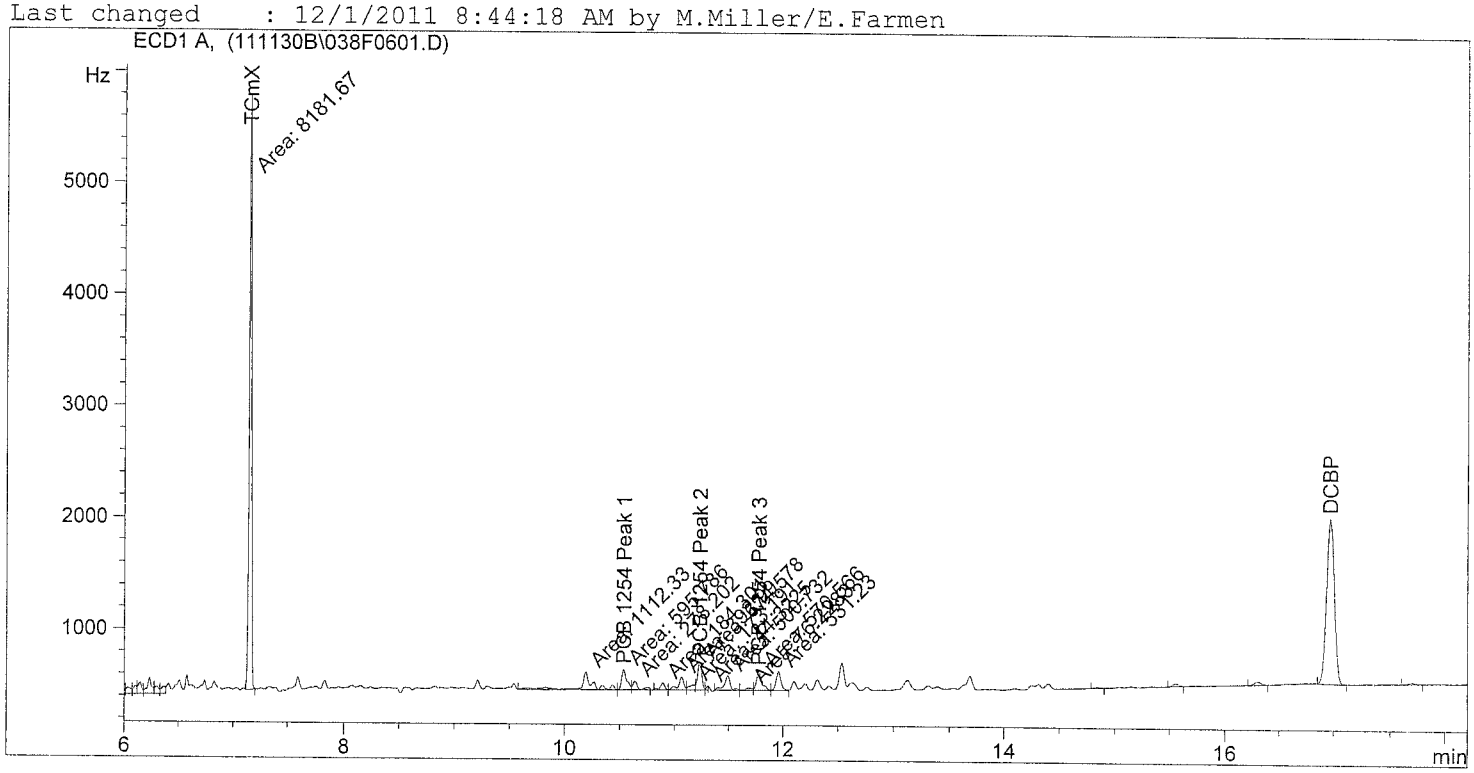
This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

+Cu

34.9g
10mL

12/1

Injection Date : 12/1/2011 11:22:23 AM Seq. Line : 6
Sample Name : 17006 LAB-5141A Location : Vial 38
Acq. Operator : M.Miller/E.Farmen Inj : 1
Acq. Instrument : Micro ECD 1 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\UECD.M
Last changed : 11/18/2011 4:01:22 PM by M.Miller/E.Farmen
Analysis Method : C:\HPCHEM\1\METHODS\1254SPT.M
Last changed : 12/1/2011 8:44:18 AM by M.Miller/E.Farmen



External Standard Report

Sorted By : Retention Time
Calib. Data Modified : Thursday, December 01, 2011 8:44:08 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.152	1	MM	8181.66602	3.25746e-6	2.66515e-2		TCmX 53.3%
10.536	1	MV	595.78583	6.60710e-5	3.93642e-2		PCB 1254 Peak 1
11.234	1	MF	674.57849	5.95669e-5	4.01826e-2		PCB 1254 Peak 2
11.776	1	FM	570.56616	6.73552e-5	3.84306e-2		PCB 1254 Peak 3
16.970	1	BBA	7270.09082	5.29570e-6	3.85002e-2		DCBP 77.0%
Totals :					1.83129e-1		

BRL

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

*** End of Report ***

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc

Client Job Site:	690 St. Paul St.	**Lab Project Number:**	11-5141A
		Lab Sample Number:	17007
Client Job Number:	209280		
Field Location:	CS-7	**Date Sampled:**	11/29/2011
Field ID Number:	N/A	**Date Received:**	11/29/2011
Sample Type:	Soil	**Date Analyzed:**	12/01/2011

PCB Identification	Results in mg / Kg
Aroclor 1016	< 0.0326
Aroclor 1221	< 0.0326
Aroclor 1232	< 0.0326
Aroclor 1242	< 0.0326
Aroclor 1248	< 0.0326
Aroclor 1254	< 0.0326
Aroclor 1260	< 0.0326

ELAP Number 10958

Analytical Method: EPA 8082A
Prep Method: EPA 3550C

Comments: mg / Kg = milligram per Kilogram

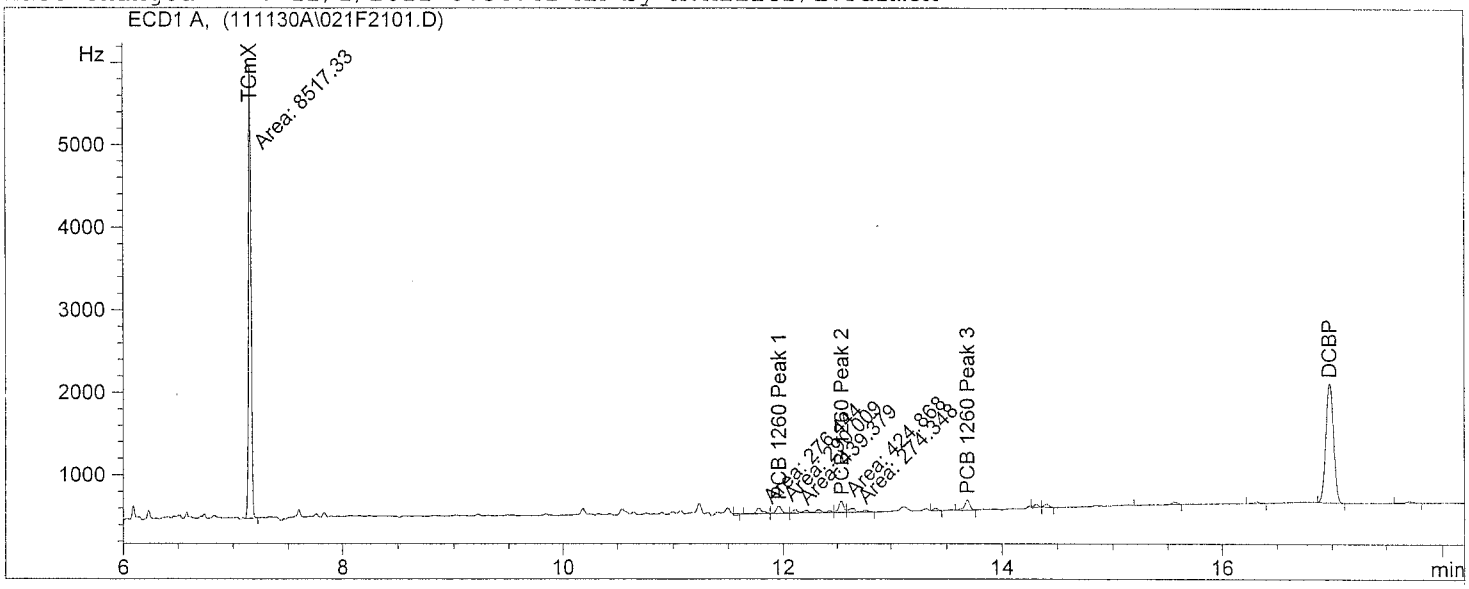
Signature: _____

Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

35.0g 10mL (M 12/1

Injection Date : 12/1/2011 1:36:46 AM Seq. Line : 21
Sample Name : 17007 LAB-5141A Location : Vial 21
Acq. Operator : M.Miller/E.Farmen Inj : 1
Acq. Instrument : Micro ECD 1 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\UECD.M
Last changed : 11/18/2011 4:01:22 PM by M.Miller/E.Farmen
Analysis Method : C:\HPCHEM\1\METHODS\P113011.M
Last changed : 12/1/2011 8:36:42 AM by M.Miller/E.Farmen



External Standard Report

Sorted By : Retention Time
Calib. Data Modified : Thursday, December 01, 2011 8:27:13 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.153	1	MM	8517.33105	2.72581e-6	2.32166e-2		TCmX 46.4%
7.611	1		-	-	-		PCB 1016 Peak 1
8.072	1		-	-	-		PCB 1016 Peak 2
9.541	1		-	-	-		PCB 1016 Peak 3
11.961	1	FM	290.00894	0.00000	0.00000		PCB 1260 Peak 1
12.540	1	MF	424.86780	0.00000	0.00000		PCB 1260 Peak 2
13.692	1	VP	429.43811	0.00000	0.00000		PCB 1260 Peak 3
16.977	1	BBA	7185.32813	4.41926e-6	3.17538e-2		DCBP 63.5%

BRL

Totals : 5.49704e-2

Results obtained with enhanced integrator!
5 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
Warning : Negative results set to zero (cal. curve intercept), (PCB 1260 Peak 1)
Warning : Negative results set to zero (cal. curve intercept), (PCB 1260 Peak 2)
Warning : Negative results set to zero (cal. curve intercept), (PCB 1260 Peak 3)

*** End of Report ***

PCBS

STANDARDS DATA

7F

PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Lab Project #: 11-5141A Client Project #: 209280

Client Project Name: 690 St. Paul St.

GC Column: RTX-PCB ID: (mm) 0.32 Initial Calibration Date: 11/30(P113011.M)

Detector: ECD1 A narrow bore Date Analyzed: 11/30/2011

Time Analyzed: 21:23

File/LAB #: 111130A\010F1001.D CAL ID: 16/60 CCV 0.500

INDIVIDUAL COMPOUND		RT	RT WINDOW FROM	TO	AVERAGE CALC. AMT ng	TARGET AMT ng	AVERAGE %D	pass/ fail
PCB16/60	1	7.61	7.11	8.11	0.450	0.500	-10.0	pass
	2	8.07	7.57	8.57				
	3	9.54	9.04	10.04				
	4	11.96	11.46	12.46				
	5	12.54	12.04	13.04				
	6	13.69	13.19	14.19				

* = Outside QC limits

Note: Average % D with Acceptance window of +/- 20% used per 8082 method.
+/- 20% = Pass

7F

PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Lab Project #: 11-5141A Client Project #: 209280

Client Project Name: 690 St. Paul St.

GC Column: RTX-PCB ID: (mm) 0.32 Initial Calibration Date: 11/30(P113011.M)

Detector: ECD1 A narrow bore Date Analyzed: 12/1/2011

Time Analyzed: 06:15

File/LAB #: 111130A\010F3301.D CAL ID: CCV 0.500

INDIVIDUAL COMPOUND		RT	RT WINDOW FROM	TO	AVERAGE CALC. AMT ng	TARGET AMT ng	AVERAGE %D	pass/ fail
PCB16/60	1	7.61	7.11	8.11	0.408	0.500	-18.3	pass
	2	8.07	7.57	8.57				
	3	9.54	9.04	10.04				
	4	11.96	11.46	12.46				
	5	12.54	12.04	13.04				
	6	13.69	13.19	14.19				

* = Outside QC limits

Note: Average % D with Acceptance window of +/- 20% used per 8082 method.
+/- 20% = Pass

7F

PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Lab Project #: 11-5141A Client Project #: 209280

Client Project Name: 690 St. Paul St.

GC Column: RTX-PCB ID: (mm) 0.32 Initial Calibration Date: 11/30(P113011.M)

Detector: ECD1 A narrow bore Date Analyzed: 12/1/2011

Time Analyzed: 07:47

File/LAB #: 111130A\010F3501.D CAL ID: CCV 0.500

INDIVIDUAL COMPOUND		RT	RT WINDOW FROM	TO	AVERAGE CALC. AMT ng	TARGET AMT ng	AVERAGE %D	pass/ fail
PCB16/60	1	7.61	7.11	8.11	0.420	0.500	-16.0	pass
	2	8.07	7.57	8.57				
	3	9.54	9.04	10.04				
	4	11.96	11.46	12.46				
	5	12.54	12.04	13.04				
	6	13.69	13.19	14.19				

* = Outside QC limits

Note: Average % D with Acceptance window of +/- 20% used per 8082 method.
+/- 20% = Pass

7F

PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Lab Project #: 11-5141A Client Project #: 209280

Client Project Name: 690 St. Paul St.

GC Column: RTX-PCB ID: (mm) 0.32 Initial Calibration Date: 11/30(P113011.M)

Detector: ECD1 A narrow bore Date Analyzed: 12/1/2011

Time Analyzed: 14:04

File/LAB #: 111130B\002F1301.D CAL ID: CCV 0.500

INDIVIDUAL COMPOUND		RT	RT WINDOW FROM	TO	AVERAGE CALC. AMT ng	TARGET AMT ng	AVERAGE %D	pass/ fail
PCB16/60	1	7.61	7.11	8.11	0.428	0.500	-14.4	pass
	2	8.07	7.57	8.57				
	3	9.54	9.04	10.04				
	4	11.96	11.46	12.46				
	5	12.53	12.03	13.03				
	6	13.69	13.19	14.19				

* = Outside QC limits

Note: Average % D with Acceptance window of +/- 20% used per 8082 method.
+/- 20% = Pass

12/1/11

Calibration Table

Calib. Data Modified : Thursday, December 01, 2011 8:27:13 AM

Calculate : External Standard
Based on : Peak Area

Rel. Reference Window : 0.000 %
Abs. Reference Window : 0.500 min
Rel. Non-ref. Window : 0.000 %
Abs. Non-ref. Window : 0.500 min
Do not use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal 1: ECD1 A,

RetTime [min]	Sig	Lvl	Amount [ng/ul]	Area	Amt/Area	Ref	Grp	Name
7.153	1	1	1.00000e-2	3448.56714	2.89976e-6			TCmX
		2	2.00000e-2	6528.30273	3.06358e-6			
		3	5.00000e-2	1.66600e4	3.00119e-6			
		4	1.00000e-1	3.21239e4	3.11295e-6			
		5	1.50000e-1	4.97525e4	3.01492e-6			
		6	2.00000e-1	7.61836e4	2.62524e-6			
		7	4.00000e-1	1.28881e5	3.10365e-6			
7.611	1	1	5.00000e-2	458.25128	1.09110e-4			PCB 1016 Peak 1
		2	1.00000e-1	769.20746	1.30004e-4			
		3	2.50000e-1	1761.41602	1.41931e-4			
		4	5.00000e-1	3065.86987	1.63086e-4			
		5	7.50000e-1	4523.36865	1.65806e-4			
		6	1.00000	6722.55811	1.48753e-4			
		7	2.00000	1.07330e4	1.86340e-4			
8.072	1	1	5.00000e-2	519.15259	9.63108e-5			PCB 1016 Peak 2
		2	1.00000e-1	908.66626	1.10051e-4			
		3	2.50000e-1	2103.91748	1.18826e-4			
		4	5.00000e-1	3723.89380	1.34268e-4			
		5	7.50000e-1	5505.74561	1.36221e-4			
		6	1.00000	8101.95313	1.23427e-4			
		7	2.00000	1.31146e4	1.52501e-4			
9.541	1	1	5.00000e-2	492.74783	1.01472e-4			PCB 1016 Peak 3
		2	1.00000e-1	903.47485	1.10684e-4			
		3	2.50000e-1	2017.90784	1.23891e-4			
		4	5.00000e-1	3585.89209	1.39435e-4			
		5	7.50000e-1	5302.84961	1.41433e-4			
		6	1.00000	7698.45361	1.29896e-4			
		7	2.00000	1.25905e4	1.58850e-4			

RetTime [min]	Sig	Lvl	Amount [ng/ul]	Area	Amt/Area	Ref	Grp	Name
11.962	1	1	5.00000e-2	1158.70898	4.31515e-5			PCB 1260 Peak 1
		2	1.00000e-1	1994.49939	5.01379e-5			
		3	2.50000e-1	4559.37109	5.48321e-5			
		4	5.00000e-1	8262.64355	6.05133e-5			
		5	7.50000e-1	1.23239e4	6.08575e-5			
		6	1.00000	1.85385e4	5.39417e-5			
		7	2.00000	3.04183e4	6.57498e-5			
12.540	1	1	5.00000e-2	1252.67749	3.99145e-5			PCB 1260 Peak 2
		2	1.00000e-1	2316.04077	4.31771e-5			
		3	2.50000e-1	5418.24902	4.61404e-5			
		4	5.00000e-1	1.00483e4	4.97595e-5			
		5	7.50000e-1	1.50038e4	4.99875e-5			
		6	1.00000	2.26723e4	4.41067e-5			
		7	2.00000	3.74191e4	5.34487e-5			
13.693	1	1	5.00000e-2	1521.11938	3.28705e-5			PCB 1260 Peak 3
		2	1.00000e-1	2788.58130	3.58605e-5			
		3	2.50000e-1	6721.03760	3.71966e-5			
		4	5.00000e-1	1.28145e4	3.90184e-5			
		5	7.50000e-1	1.94610e4	3.85387e-5			
		6	1.00000	2.98003e4	3.35567e-5			
		7	2.00000	4.99271e4	4.00584e-5			
16.979	1	1	1.00000e-2	2295.61621	4.35613e-6			DCBP
		2	2.00000e-2	4293.32080	4.65840e-6			
		3	5.00000e-2	1.04924e4	4.76537e-6			
		4	1.00000e-1	2.01148e4	4.97145e-6			
		5	1.50000e-1	3.02841e4	4.95309e-6			
		6	2.00000e-1	4.67247e4	4.28039e-6			
		7	4.00000e-1	7.79998e4	5.12822e-6			

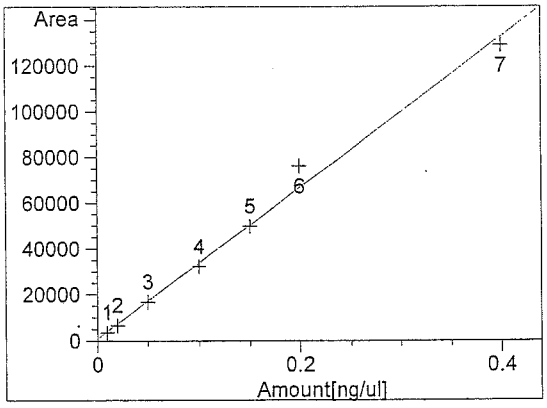
2 Warnings or Errors :

Warning : Overlapping peak time windows at 7.153 min, signal 1
Warning : Overlapping peak time windows at 7.611 min, signal 1

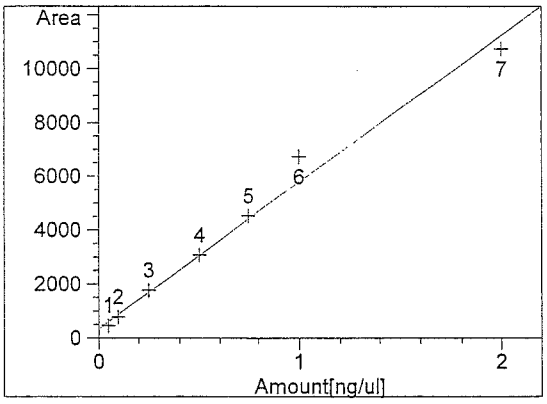
Peak Sum Table

No Entries in table

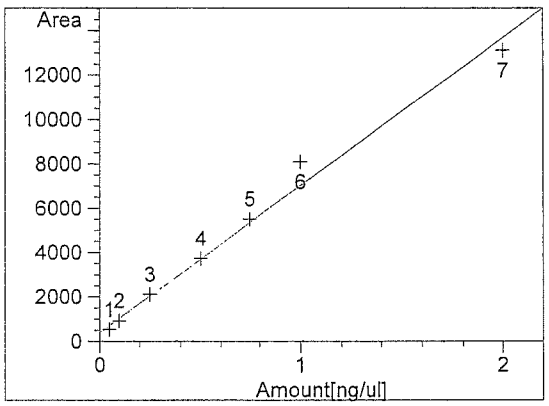
Calibration Curves



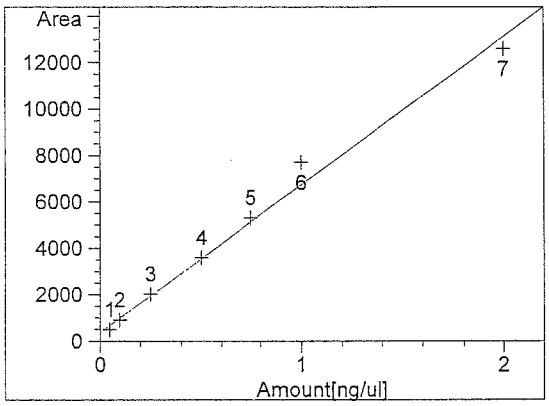
TCmX at exp. RT: 7.153
ECD1 A,
Correlation: 0.99610
Residual Std. Dev.: 4257.15311
Formula: y = mx + b
m: 329772.77565
b: 861.12732
x: Amount[ng/ul]
y: Area



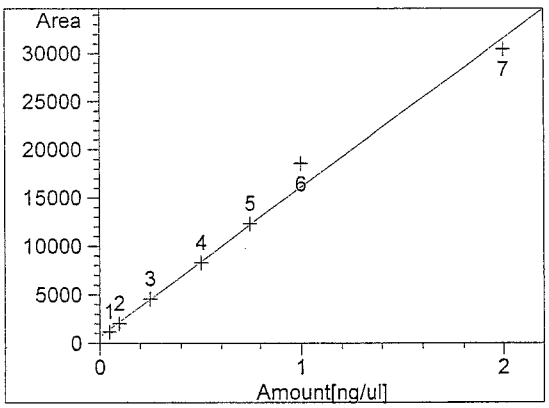
PCB 1016 Peak 1 at exp. RT: 7.611
ECD1 A,
Correlation: 0.99324
Residual Std. Dev.: 464.04412
Formula: y = mx + b
m: 5450.99111
b: 335.82632
x: Amount[ng/ul]
y: Area



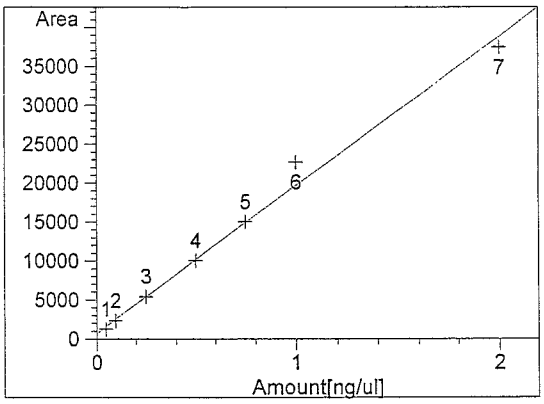
PCB 1016 Peak 2 at exp. RT: 8.072
ECD1 A,
Correlation: 0.99407
Residual Std. Dev.: 531.01681
Formula: y = mx + b
m: 6661.74579
b: 375.10461
x: Amount[ng/ul]
y: Area



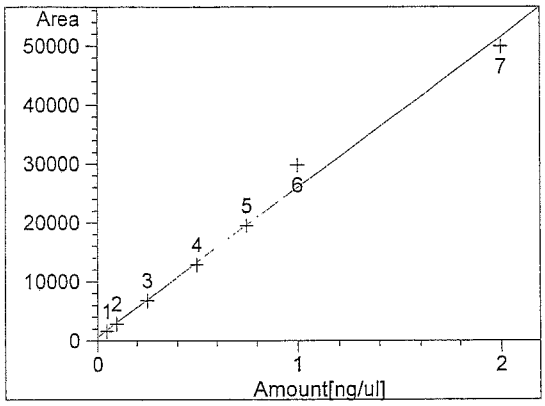
PCB 1016 Peak 3 at exp. RT: 9.541
ECD1 A,
Correlation: 0.99464
Residual Std. Dev.: 483.41893
Formula: y = mx + b
m: 6382.08617
b: 364.38625
x: Amount[ng/ul]
y: Area



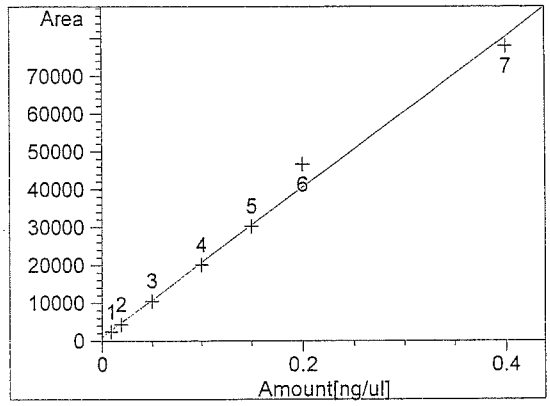
PCB 1260 Peak 1 at exp. RT: 11.962
ECD1 A,
Correlation: 0.99493
Residual Std. Dev.: 1138.39277
Formula: y = mx + b
m: 15461.99363
b: 669.71259
x: Amount[ng/ul]
y: Area



PCB 1260 Peak 2 at exp. RT: 12.540
ECD1 A,
Correlation: 0.99519
Residual Std. Dev.: 1367.00466
Formula: y = mx + b
m: 19067.15788
b: 683.52045
x: Amount[ng/ul]
y: Area

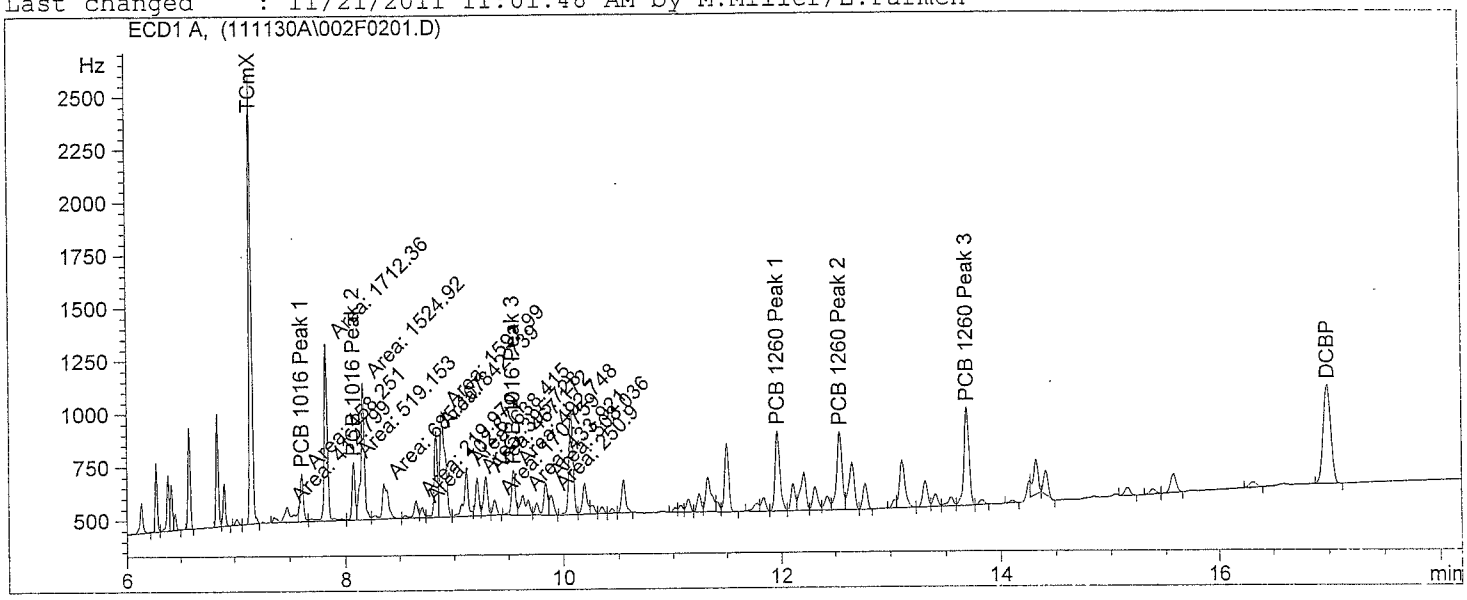


PCB 1260 Peak 3 at exp. RT: 13.693
ECD1 A,
Correlation: 0.99580
Residual Std. Dev.: 1708.46819
Formula: y = mx + b
m: 25490.51789
b: 562.83264
x: Amount[ng/ul]
y: Area



DCBP at exp. RT: 16.979
ECD1 A,
Correlation: 0.99560
Residual Std. Dev.: 2734.28015
Formula: y = mx + b
m: 199302.02578
b: 856.72941
x: Amount[ng/ul]
y: Area

Injection Date : 11/30/2011 6:20:00 PM Seq. Line : 2
Sample Name : 16/60 ICAL 0.050 Location : Vial 2
Acq. Operator : M.Miller/E.Farmen Inj : 1
Acq. Instrument : Micro ECD 1 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\UECD.M
Last changed : 11/18/2011 4:01:22 PM by M.Miller/E.Farmen
Analysis Method : C:\HPCHEM\1\METHODS\P113011.M
Last changed : 11/21/2011 11:01:48 AM by M.Miller/E.Farmen



External Standard Report

Sorted By : Retention Time
Calib. Data Modified : Monday, November 21, 2011 10:56:58 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.155	1	VB	3448.56714	3.30229e-6	1.13882e-2		TCmX
7.613	1	FM	458.25128	1.07561e-4	4.92900e-2		PCB 1016 Peak 1
8.074	1	VV	519.15259	9.89242e-5	5.13568e-2		PCB 1016 Peak 2
9.543	1	MV	492.74783	1.04629e-4	5.15555e-2		PCB 1016 Peak 3
11.964	1	VV	1158.70898	6.03074e-5	6.98787e-2		PCB 1260 Peak 1
12.543	1	VV	1252.67749	5.11206e-5	6.40376e-2		PCB 1260 Peak 2
13.695	1	VP	1521.11938	4.39671e-5	6.68791e-2		PCB 1260 Peak 3
16.987	1	BBA	2295.61621	5.12966e-6	1.17757e-2		DCBP

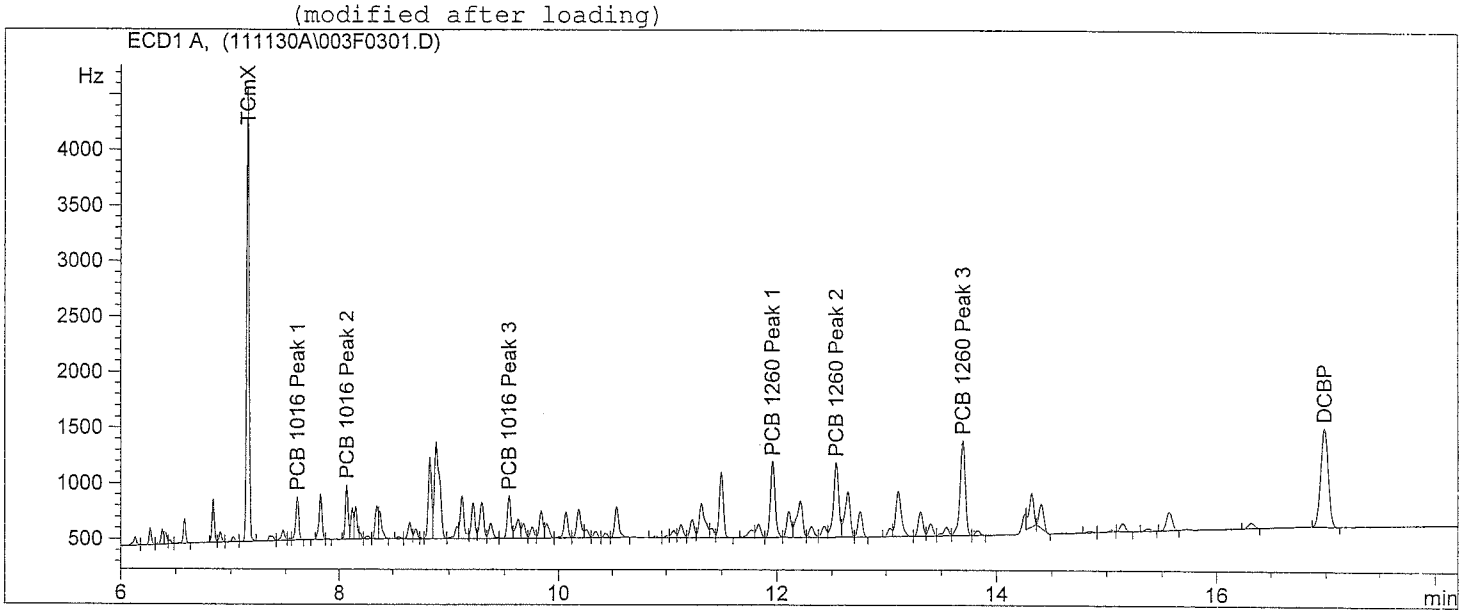
Totals : 3.76162e-1

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

*** End of Report ***

```
==========================================================================
Injection Date  : 11/30/2011 6:43:00 PM          Seq. Line :   3
Sample Name     : 16/60 ICAL 0.100               Location : Vial 3
Acq. Operator   : M.Miller/E.Farmen                  Inj :   1
Acq. Instrument : Micro ECD 1                 Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\UECD.M
Last changed    : 11/18/2011 4:01:22 PM by M.Miller/E.Farmen
Analysis Method : C:\HPCHEM\1\METHODS\P113011.M
Last changed    : 12/1/2011 8:21:07 AM by M.Miller/E.Farmen
                  (modified after loading)
```




```
==========================================================================
                        External Standard Report
==========================================================================

Sorted By             :      Retention Time
Calib. Data Modified  :      Thursday, December 01, 2011 8:21:05 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,
```

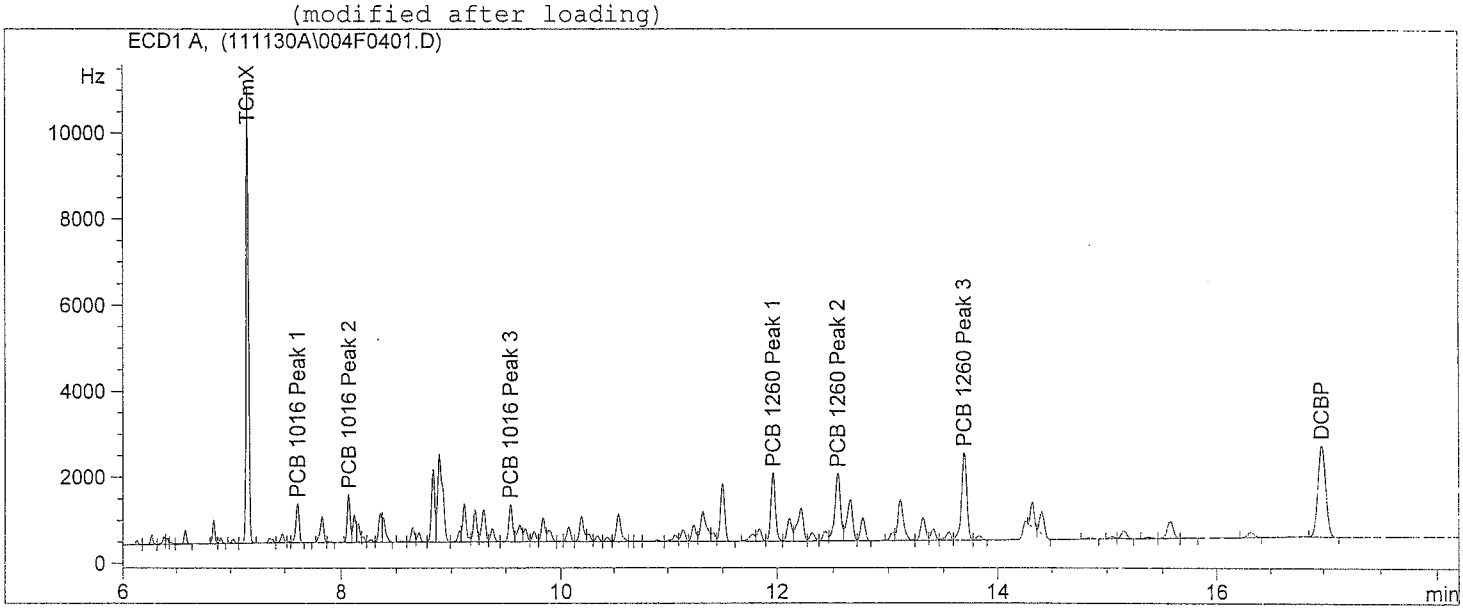
RetTime [min]	Sig	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.154	1	VB S	6528.30273	3.29307e-6	2.14981e-2		TCmX
7.613	1	VV T	769.20746	1.43584e-4	1.10446e-1		PCB 1016 Peak 1
8.073	1	BV	908.66626	1.25418e-4	1.13963e-1		PCB 1016 Peak 2
9.543	1	VV	903.47485	1.40040e-4	1.26523e-1		PCB 1016 Peak 3
11.963	1	VV	1994.49939	6.62903e-5	1.32216e-1		PCB 1260 Peak 1
12.543	1	VV	2316.04077	5.60959e-5	1.29920e-1		PCB 1260 Peak 2
13.696	1	VP	2788.58130	4.46746e-5	1.24579e-1		PCB 1260 Peak 3
16.986	1	BBA	4293.32080	5.29200e-6	2.27203e-2		DCBP
Totals :					7.81865e-1		

```
 Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

==========================================================================
                          *** End of Report ***
```

Injection Date : 11/30/2011 7:05:51 PM Seq. Line : 4
Sample Name : 16/60 ICAL 0.250 Location : Vial 4
Acq. Operator : M.Miller/E.Farmen Inj : 1
Acq. Instrument : Micro ECD 1 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\UECD.M
Last changed : 11/18/2011 4:01:22 PM by M.Miller/E.Farmen
Analysis Method : C:\HPCHEM\1\METHODS\P113011.M
Last changed : 12/1/2011 8:21:31 AM by M.Miller/E.Farmen
(modified after loading)



External Standard Report

Sorted By : Retention Time
Calib. Data Modified : Thursday, December 01, 2011 8:21:29 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.154	1	VB S	1.66600e4	3.35128e-6	5.58324e-2		TCmX
7.613	1	VV T	1761.41602	1.79236e-4	3.15709e-1		PCB 1016 Peak 1
8.074	1	PV	2103.91748	1.50394e-4	3.16417e-1		PCB 1016 Peak 2
9.543	1	VV	2017.90784	1.66236e-4	3.35449e-1		PCB 1016 Peak 3
11.964	1	VV	4559.37109	7.36322e-5	3.35717e-1		PCB 1260 Peak 1
12.543	1	VV	5418.24902	6.08245e-5	3.29562e-1		PCB 1260 Peak 2
13.696	1	VV	6721.03760	4.64121e-5	3.11938e-1		PCB 1260 Peak 3
16.984	1	BBA	1.04924e4	5.51738e-6	5.78904e-2		DCBP

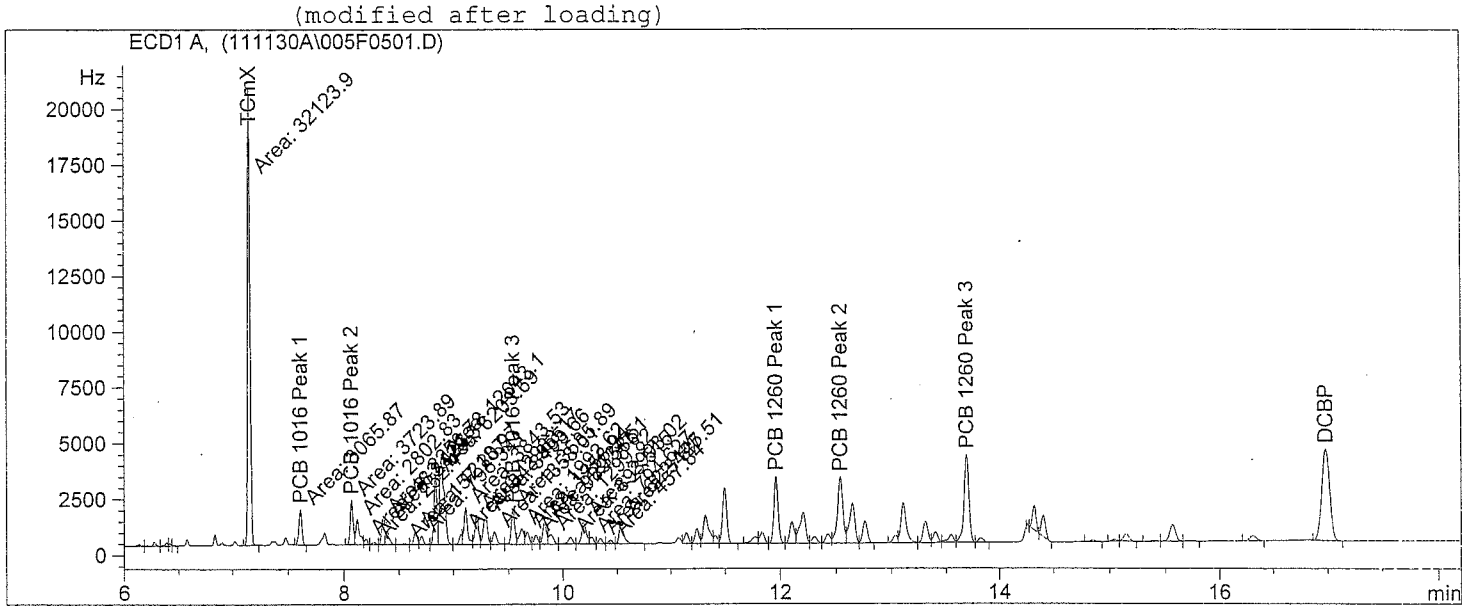
Totals : 2.05851

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

*** End of Report ***

Injection Date : 11/30/2011 7:28:47 PM Seq. Line : 5
Sample Name : 16/60 ICAL 0.500 Location : Vial 5
Acq. Operator : M.Miller/E.Farmen Inj : 1
Acq. Instrument : Micro ECD 1 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\UECD.M
Last changed : 11/18/2011 4:01:22 PM by M.Miller/E.Farmen
Analysis Method : C:\HPCHEM\1\METHODS\P113011.M
Last changed : 12/1/2011 8:21:56 AM by M.Miller/E.Farmen
(modified after loading)



External Standard Report

Sorted By : Retention Time
Calib. Data Modified : Thursday, December 01, 2011 8:21:55 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.154	1	MM	3.21239e4	3.36776e-6	1.08186e-1		TCmX
7.613	1	MM	3065.86987	1.90473e-4	5.83967e-1		PCB 1016 Peak 1
8.073	1	MV	3723.89380	1.58595e-4	5.90591e-1		PCB 1016 Peak 2
9.542	1	VV	3585.89209	1.75741e-4	6.30187e-1		PCB 1016 Peak 3
11.962	1	VV	8262.64355	7.63898e-5	6.31182e-1		PCB 1260 Peak 1
12.542	1	VV	1.00483e4	6.26002e-5	6.29028e-1		PCB 1260 Peak 2
13.695	1	VV	1.28145e4	4.70902e-5	6.03436e-1		PCB 1260 Peak 3
16.983	1	BBA	2.01148e4	5.59879e-6	1.12619e-1		DCBP

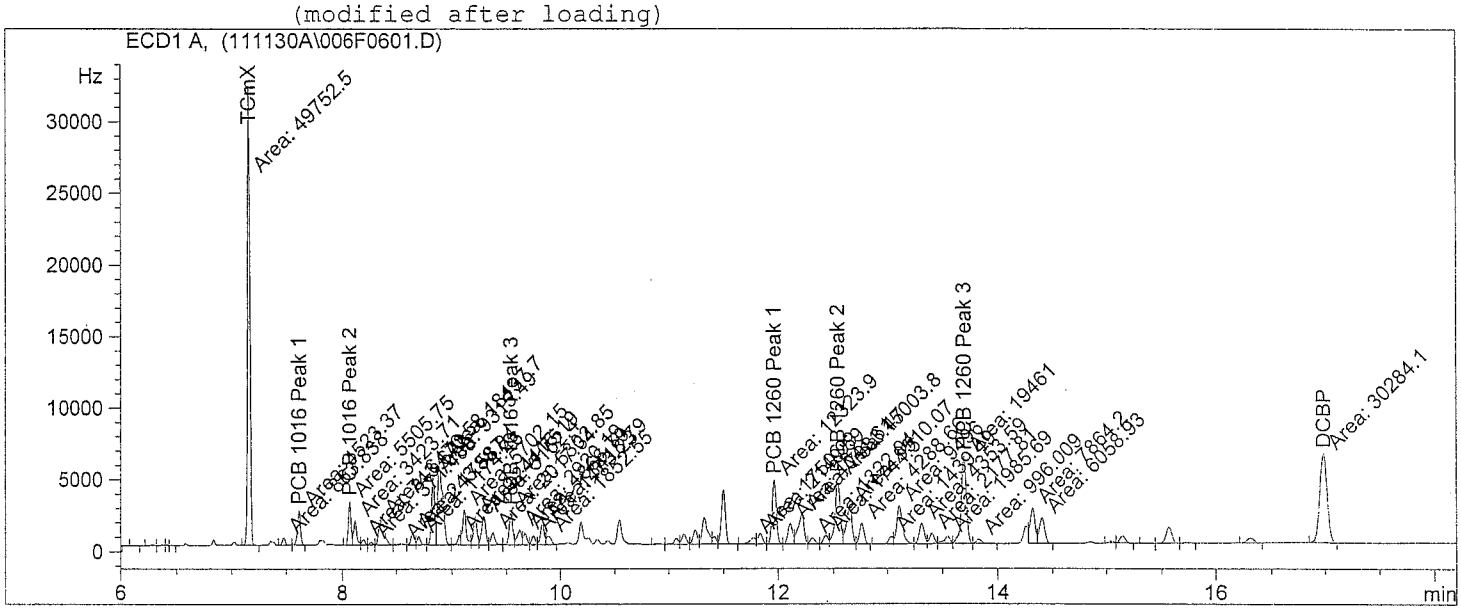
Totals : 3.88920

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

*** End of Report ***

```
Injection Date  : 11/30/2011 7:51:45 PM          Seq. Line :   6
Sample Name     : 16/60 ICAL 0.750                Location : Vial 6
Acq. Operator   : M.Miller/E.Farmen                   Inj :   1
Acq. Instrument : Micro ECD 1                  Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\UECD.M
Last changed    : 11/18/2011 4:01:22 PM by M.Miller/E.Farmen
Analysis Method : C:\HPCHEM\1\METHODS\P113011.M
Last changed    : 12/1/2011 8:23:16 AM by M.Miller/E.Farmen
                  (modified after loading)
```



External Standard Report

```
Sorted By             :      Retention Time
Calib. Data Modified  :      Thursday, December 01, 2011 8:23:14 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,
```

RetTime [min]	Sig	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.154	1	MM	4.97525e4	3.36976e-6	1.67654e-1		TCmX
7.613	1	VM	4523.36865	1.95415e-4	8.83933e-1		PCB 1016 Peak 1
8.073	1	MV	5505.74561	1.61950e-4	8.91656e-1		PCB 1016 Peak 2
9.542	1	VV	5302.84961	1.79310e-4	9.50855e-1		PCB 1016 Peak 3
11.963	1	VV	1.23239e4	7.72524e-5	9.52049e-1		PCB 1260 Peak 1
12.541	1	VV	1.50038e4	6.30156e-5	9.45472e-1		PCB 1260 Peak 2
13.695	1	VV	1.94610e4	4.71612e-5	9.17801e-1		PCB 1260 Peak 3
16.983	1	MM	3.02841e4	5.61145e-6	1.69938e-1		DCBP

```
Totals :                                   5.87936

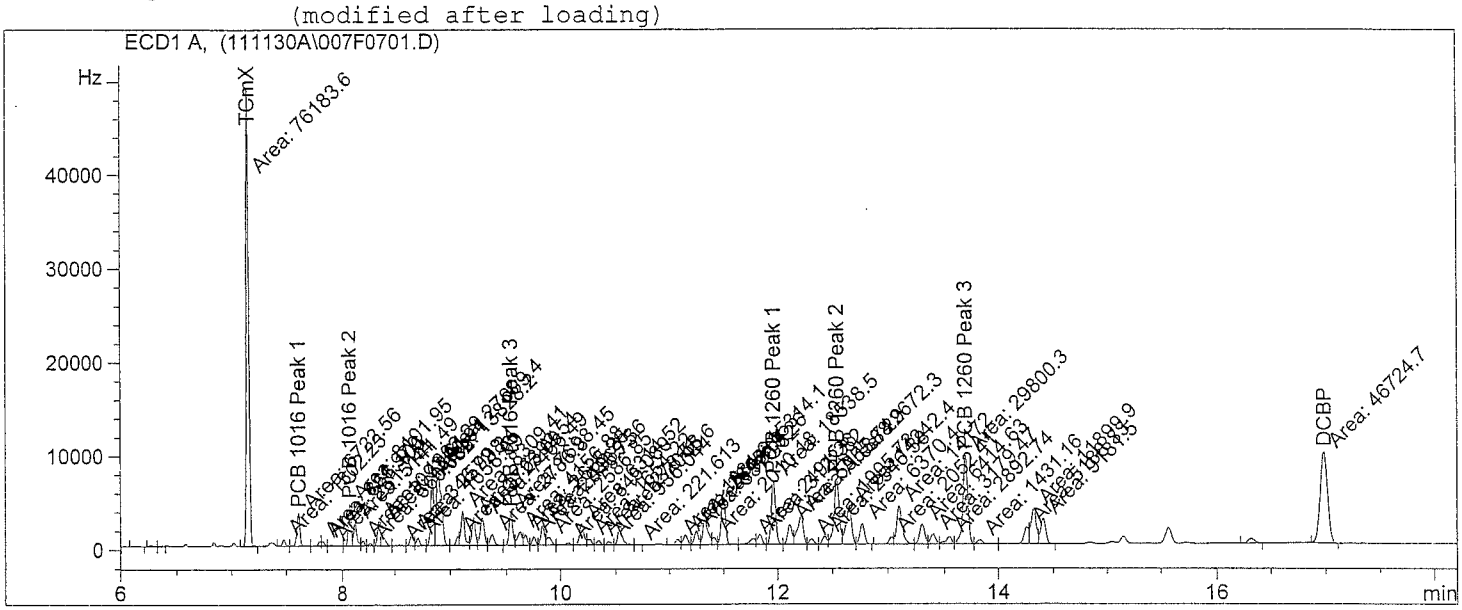
 Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
```

*** End of Report ***

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```
Injection Date  : 11/30/2011 8:14:35 PM          Seq. Line :   7
Sample Name     : 16/60 ICAL 1.00                 Location : Vial 7
Acq. Operator   : M.Miller/E.Farmen                   Inj :   1
Acq. Instrument : Micro ECD 1                  Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\UECD.M
Last changed    : 11/18/2011 4:01:22 PM by M.Miller/E.Farmen
Analysis Method : C:\HPCHEM\1\METHODS\P113011.M
Last changed    : 12/1/2011 8:24:53 AM by M.Miller/E.Farmen
                  (modified after loading)
```



External Standard Report

```
Sorted By             :      Retention Time
Calib. Data Modified  :      Thursday, December 01, 2011 8:24:51 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,
```

RetTime [min]	Sig	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.154	1	MM	7.61836e4	3.36164e-6	2.56102e-1		TCmX
7.613	1	VV	6722.55811	1.98324e-4	1.33325		PCB 1016 Peak 1
8.073	1	VV	8101.95313	1.63539e-4	1.32498		PCB 1016 Peak 2
9.542	1	MV	7698.45361	1.80090e-4	1.38641		PCB 1016 Peak 3
11.962	1	VV	1.85385e4	7.72762e-5	1.43259		PCB 1260 Peak 1
12.541	1	VV	2.26723e4	6.29061e-5	1.42623		PCB 1260 Peak 2
13.696	1	VV	2.98003e4	4.69357e-5	1.39870		PCB 1260 Peak 3
16.985	1	MM	4.67247e4	5.60687e-6	2.61979e-1		DCBP

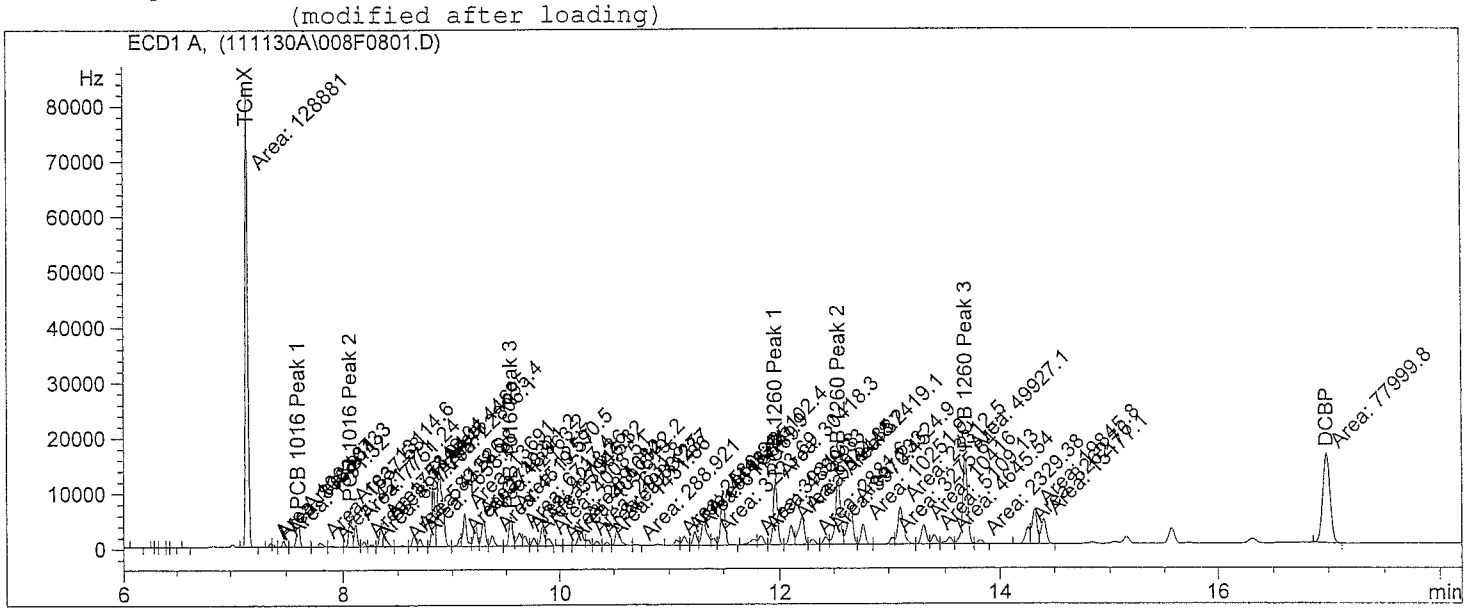
```
Totals :                                   8.82024

 Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
```

*** End of Report ***

Injection Date : 11/30/2011 8:37:28 PM Seq. Line : 8
Sample Name : 16/60 ICAL 2.00 Location : Vial 8
Acq. Operator : M.Miller/E.Farmen Inj : 1
Acq. Instrument : Micro ECD 1 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\UECD.M
Last changed : 11/18/2011 4:01:22 PM by M.Miller/E.Farmen
Analysis Method : C:\HPCHEM\1\METHODS\P113011.M
Last changed : 12/1/2011 8:25:58 AM by M.Miller/E.Farmen
(modified after loading)



External Standard Report

Sorted By : Retention Time
Calib. Data Modified : Thursday, December 01, 2011 8:25:57 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.153	1	MM	1.28881e5	3.32200e-6	4.28142e-1		TCmX
7.611	1	VV	1.07330e4	1.97492e-4	2.11969		PCB 1016 Peak 1
8.072	1	VV	1.31146e4	1.62863e-4	2.13588		PCB 1016 Peak 2
9.541	1	VV	1.25905e4	1.78357e-4	2.24560		PCB 1016 Peak 3
11.962	1	VV	3.04183e4	7.55957e-5	2.29949		PCB 1260 Peak 1
12.540	1	VV	3.74191e4	6.14183e-5	2.29822		PCB 1260 Peak 2
13.693	1	VV	4.99271e4	4.57951e-5	2.28642		PCB 1260 Peak 3
16.979	1	MM	7.79998e4	5.52503e-6	4.30951e-1		DCBP

Totals : 14.24439

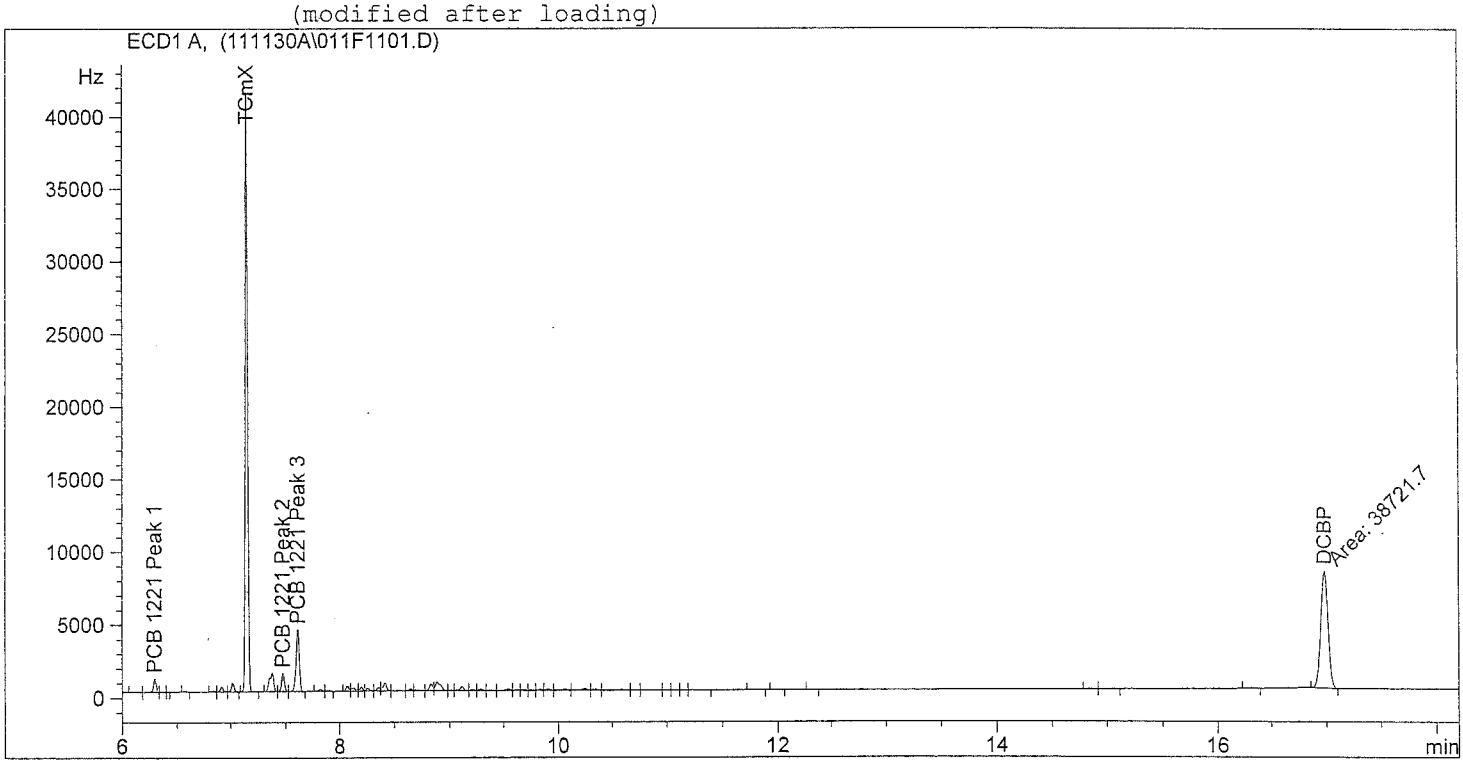
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

*** End of Report ***

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```
Injection Date  : 11/30/2011 9:46:44 PM          Seq. Line :  11
Sample Name     : 1221 ICAL 1.00                  Location : Vial 11
Acq. Operator   : M.Miller/E.Farmen                   Inj :   1
Acq. Instrument : Micro ECD 1                  Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\UECD.M
Last changed    : 11/18/2011 4:01:22 PM by M.Miller/E.Farmen
Analysis Method : C:\HPCHEM\1\METHODS\1221SPT.M
Last changed    : 12/1/2011 8:37:42 AM by M.Miller/E.Farmen
                  (modified after loading)
```



External Standard Report

```
Sorted By             :      Retention Time
Calib. Data Modified  :      Thursday, December 01, 2011 8:37:41 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,
```

RetTime [min]	Sig	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
6.300	1	VV	1487.49011	6.72273e-4	1.00000		PCB 1221 Peak 1
7.154	1	VB S	6.43353e4	3.10871e-6	2.00000e-1		TCmX
7.478	1	VV	2152.91138	4.64487e-4	1.00000		PCB 1221 Peak 2
7.612	1	VB S	8410.85937	1.18894e-4	1.00000		PCB 1221 Peak 3
16.981	1	MM	3.87217e4	5.16507e-6	2.00000e-1		DCBP

```
Totals :                                   3.40000

 Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
```

*** End of Report ***

M
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Calibration Table

Calib. Data Modified : Thursday, December 01, 2011 8:37:41 AM

Calculate : External Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Do not use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal 1: ECD1 A,

RetTime [min]	Sig	Lvl	Amount [ng/ul]	Area	Amt/Area	Ref	Grp	Name
6.300	1	6	1.00000	1487.49011	6.72273e-4			PCB 1221 Peak 1
7.154	1	6	2.00000e-1	6.43353e4	3.10871e-6			TCmX
7.478	1	6	1.00000	2152.91138	4.64487e-4			PCB 1221 Peak 2
7.612	1	6	1.00000	8410.85937	1.18894e-4			PCB 1221 Peak 3
16.981	1	6	2.00000e-1	3.87217e4	5.16507e-6			DCBP

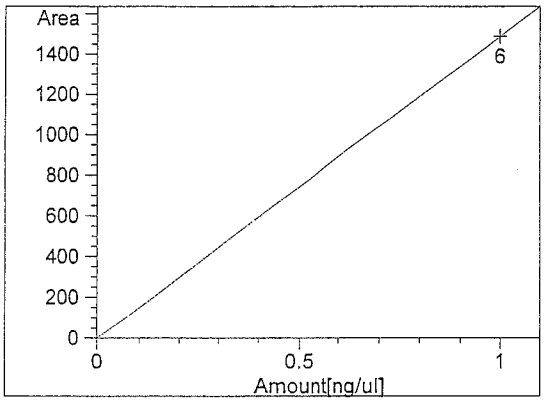
2 Warnings or Errors :

Warning : Overlapping peak time windows at 7.154 min, signal 1
Warning : Overlapping peak time windows at 7.478 min, signal 1

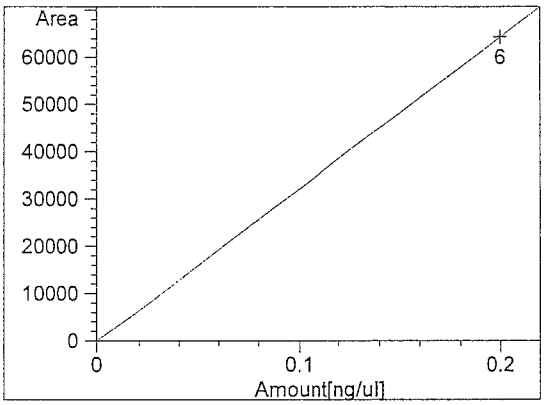
Peak Sum Table

No Entries in table

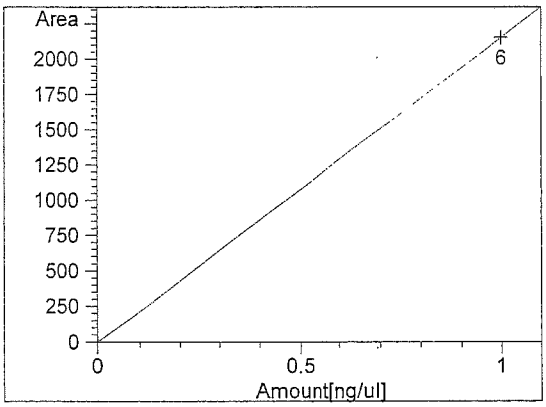
Calibration Curves



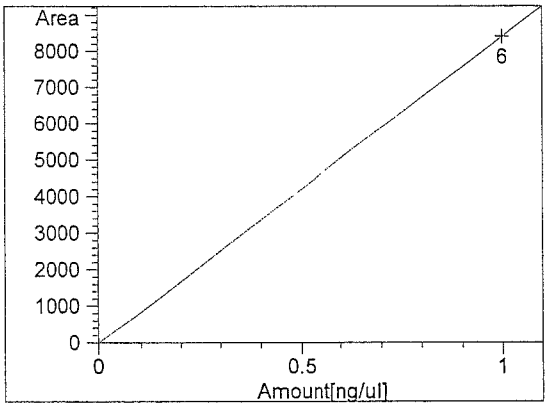
PCB 1221 Peak 1 at exp. RT: 6.300
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1487.49011
b: 0.00000
x: Amount[ng/ul]
y: Area



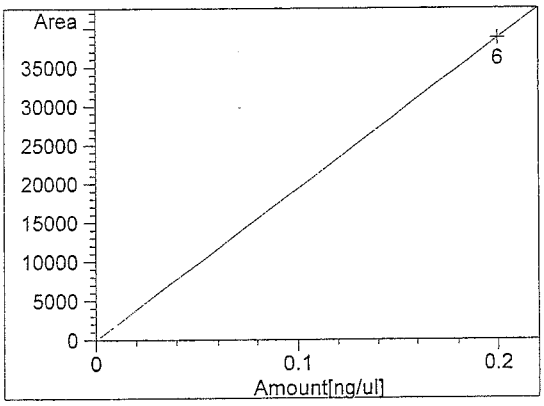
TCmX at exp. RT: 7.154
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 321676.67969
b: 5.29021e-12
x: Amount[ng/ul]
y: Area



PCB 1221 Peak 2 at exp. RT: 7.478
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 2152.91138
b: 0.00000
x: Amount[ng/ul]
y: Area



PCB 1221 Peak 3 at exp. RT: 7.612
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8410.85937
b: 0.00000
x: Amount[ng/ul]
y: Area

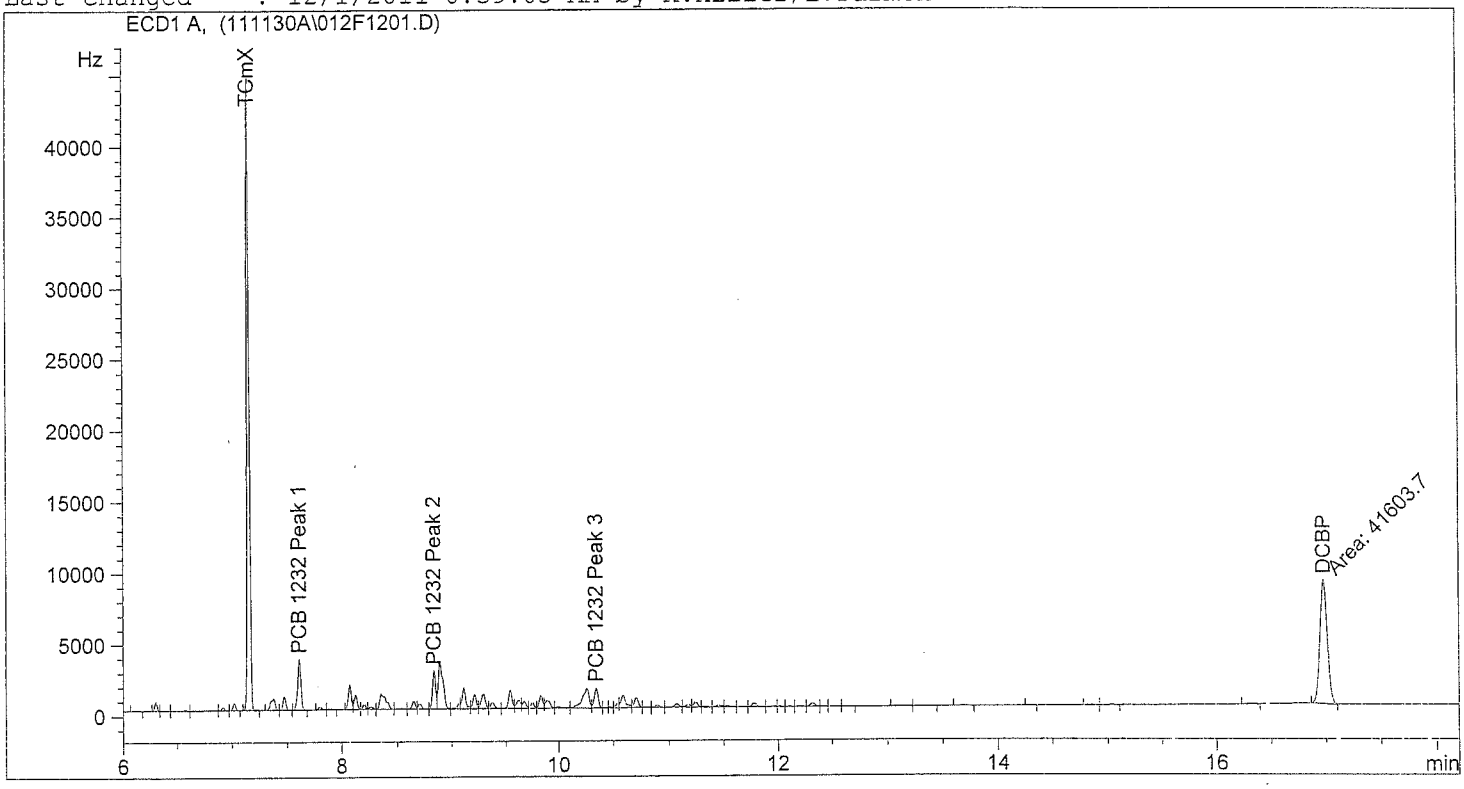


DCBP at exp. RT: 16.981
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 193608.37891
b: 4.46310e-12
x: Amount[ng/ul]
y: Area

==========

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Injection Date : 11/30/2011 10:09:43 PM Seq. Line : 12
Sample Name : 1232 ICAL 1.00 Location : Vial 12
Acq. Operator : M.Miller/E.Farmen Inj : 1
Acq. Instrument : Micro ECD 1 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\UECD.M
Last changed : 11/18/2011 4:01:22 PM by M.Miller/E.Farmen
Analysis Method : C:\HPCHEM\1\METHODS\1232SPT.M
Last changed : 12/1/2011 8:39:03 AM by M.Miller/E.Farmen



External Standard Report

Sorted By : Retention Time
Calib. Data Modified : Thursday, December 01, 2011 8:38:49 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.153	1	PB S	6.89251e4	2.90170e-6	2.00000e-1		TCmX
7.611	1	VB	7015.77881	1.42536e-4	1.00000		PCB 1232 Peak 1
8.832	1	VV	5350.65723	1.86893e-4	1.00000		PCB 1232 Peak 2
10.343	1	VV	3424.59692	2.92005e-4	1.00000		PCB 1232 Peak 3
16.979	1	MM	4.16037e4	4.80726e-6	2.00000e-1		DCBP
Totals :					3.40000		

Results obtained with enhanced integrator!

*** End of Report ***

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Calibration Table

Calib. Data Modified : Thursday, December 01, 2011 8:38:49 AM

Calculate : External Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Do not use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

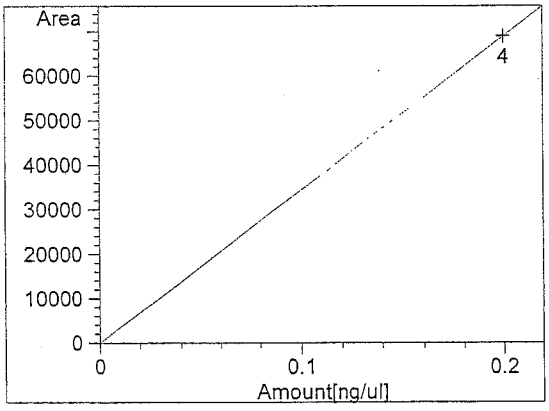
Signal 1: ECD1 A,

RetTime [min]	Sig	Lvl	Amount [ng/ul]	Area	Amt/Area	Ref	Grp	Name
7.153	1	4	2.00000e-1	6.89251e4	2.90170e-6			TCmX
7.611	1	4	1.00000	7015.77881	1.42536e-4			PCB 1232 Peak 1
8.832	1	4	1.00000	5350.65723	1.86893e-4			PCB 1232 Peak 2
10.343	1	4	1.00000	3424.59692	2.92005e-4			PCB 1232 Peak 3
16.979	1	4	2.00000e-1	4.16037e4	4.80726e-6			DCBP

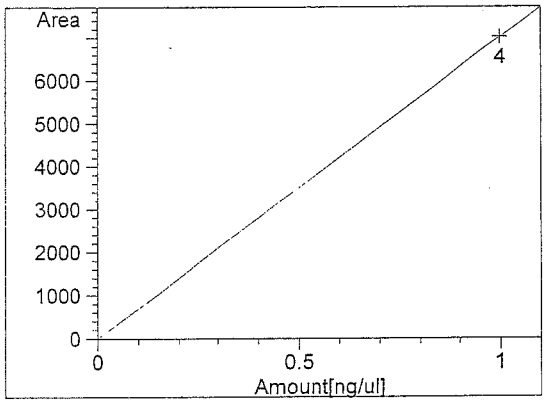
Peak Sum Table

No Entries in table

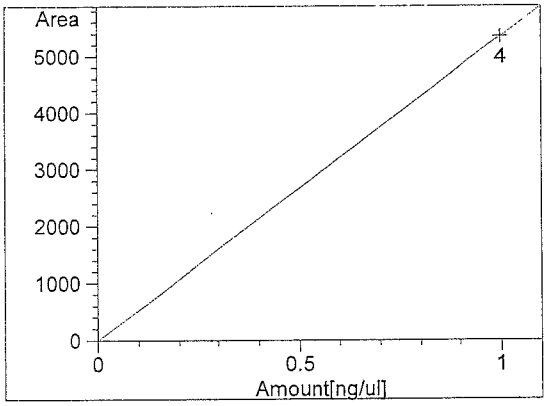
Calibration Curves



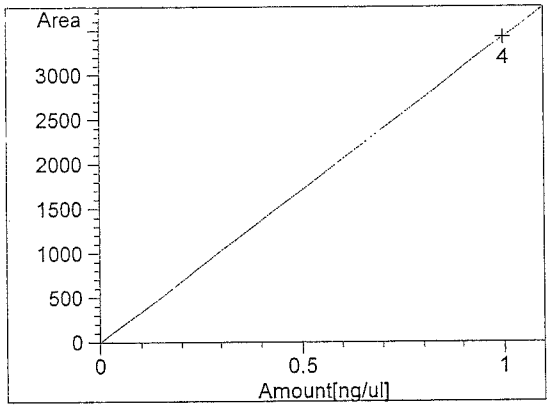
TCmX at exp. RT: 7.153
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 344625.66406
b: 4.10783e-12
x: Amount[ng/ul]
y: Area



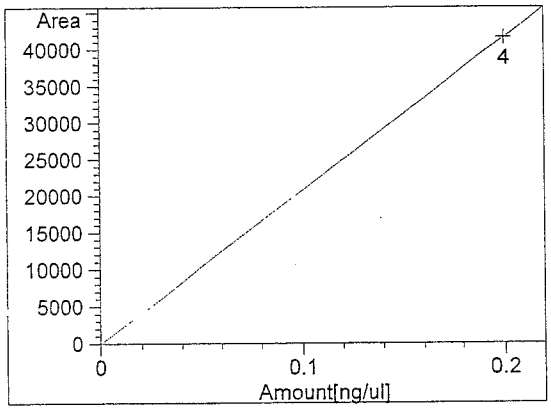
PCB 1232 Peak 1 at exp. RT: 7.611
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 7015.77881
b: 0.00000
x: Amount[ng/ul]
y: Area



PCB 1232 Peak 2 at exp. RT: 8.832
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 5350.65723
b: 0.00000
x: Amount[ng/ul]
y: Area



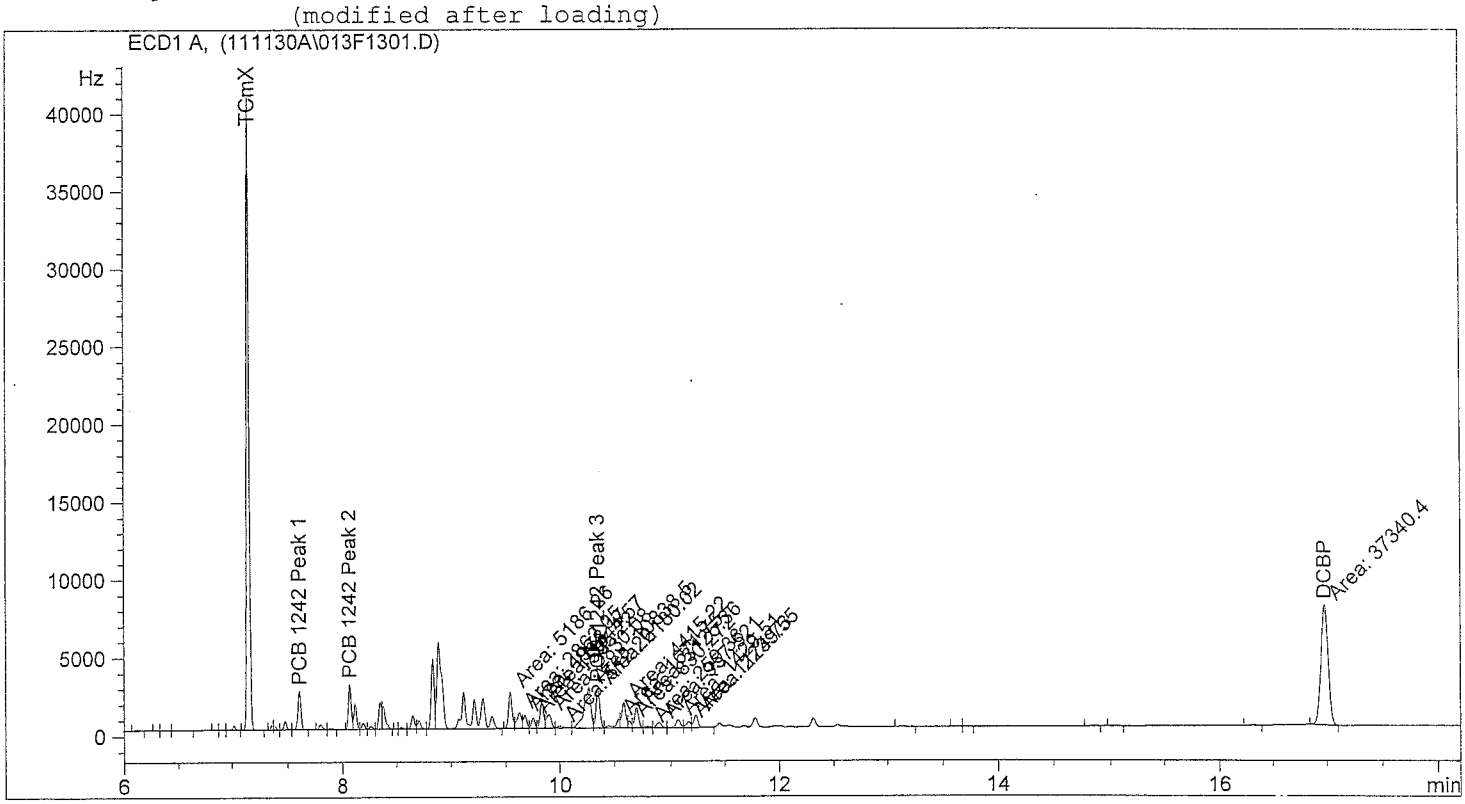
PCB 1232 Peak 3 at exp. RT: 10.343
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 3424.59692
b: 0.00000
x: Amount[ng/ul]
y: Area



DCBP at exp. RT: 16.979
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 208018.65234
b: 5.77594e-12
x: Amount[ng/ul]
y: Area

==========

Injection Date : 11/30/2011 10:32:37 PM Seq. Line : 13
Sample Name : 1242 ICAL 1.00 Location : Vial 13
Acq. Operator : M.Miller/E.Farmen Inj : 1
Acq. Instrument : Micro ECD 1 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\UECD.M
Last changed : 11/18/2011 4:01:22 PM by M.Miller/E.Farmen
Analysis Method : C:\HPCHEM\1\METHODS\1242SPT.M
Last changed : 12/1/2011 8:40:34 AM by M.Miller/E.Farmen
(modified after loading)



External Standard Report

Sorted By : Retention Time
Calib. Data Modified : Thursday, December 01, 2011 8:40:34 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.153	1	VB S	6.34927e4	3.14997e-6	2.00000e-1		TCmX
7.611	1	VP	4750.58691	2.10500e-4	1.00000		PCB 1242 Peak 1
8.071	1	BV	5369.22852	1.86246e-4	1.00000		PCB 1242 Peak 2
10.343	1	VV	6180.01611	1.61812e-4	1.00000		PCB 1242 Peak 3
16.976	1	MM	3.73404e4	5.35612e-6	2.00000e-1		DCBP

Totals : 3.40000

Results obtained with enhanced integrator!

*** End of Report ***

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Calibration Table

Calib. Data Modified : Thursday, December 01, 2011 8:40:34 AM

Calculate : External Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Do not use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

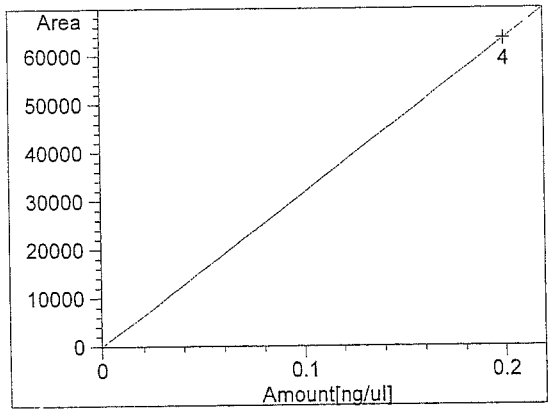
Signal 1: ECD1 A,

RetTime [min]	Sig	Lvl	Amount [ng/ul]	Area	Amt/Area	Ref Grp	Name
7.153	1	4	2.00000e-1	6.34927e4	3.14997e-6		TCmX
7.611	1	4	1.00000	4750.58691	2.10500e-4		PCB 1242 Peak 1
8.071	1	4	1.00000	5369.22852	1.86246e-4		PCB 1242 Peak 2
10.343	1	4	1.00000	6180.01611	1.61812e-4		PCB 1242 Peak 3
16.976	1	4	2.00000e-1	3.73404e4	5.35612e-6		DCBP

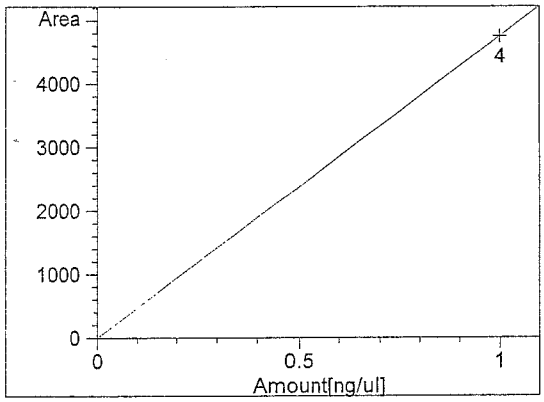
Peak Sum Table

No Entries in table

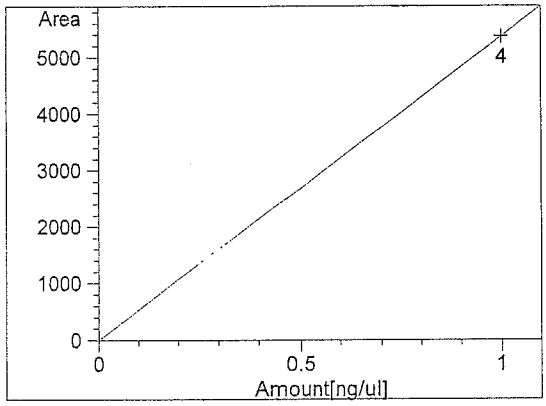
Calibration Curves



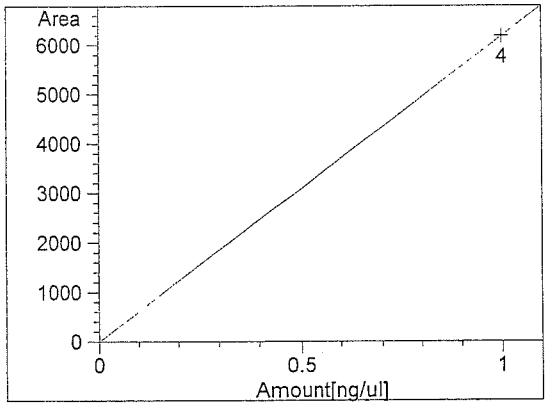
TCmX at exp. RT: 7.153
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 317463.55469
b: 3.35287e-12
x: Amount[ng/ul]
y: Area



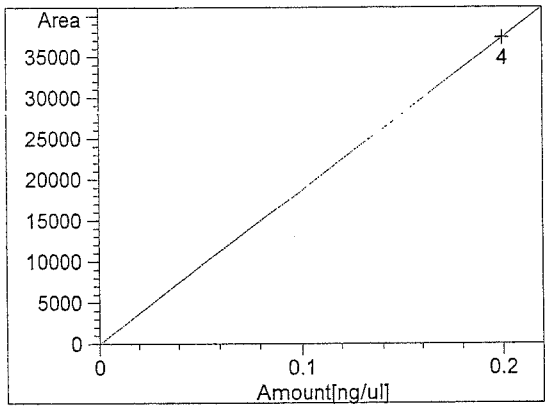
PCB 1242 Peak 1 at exp. RT: 7.611
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 4750.58691
b: 0.00000
x: Amount[ng/ul]
y: Area



PCB 1242 Peak 2 at exp. RT: 8.071
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 5369.22852
b: 0.00000
x: Amount[ng/ul]
y: Area



PCB 1242 Peak 3 at exp. RT: 10.343
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 6180.01611
b: 0.00000
x: Amount[ng/ul]
y: Area

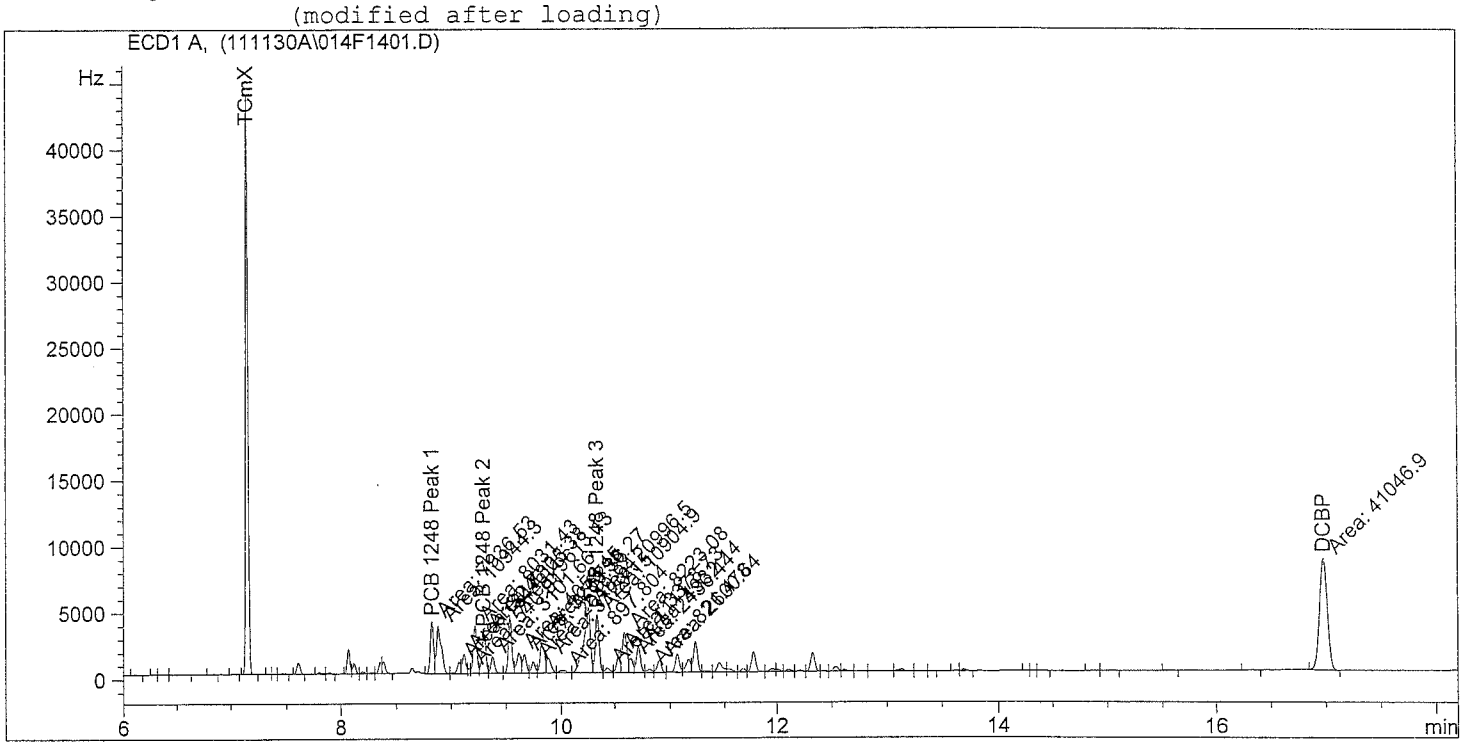


DCBP at exp. RT: 16.976
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 186702.22656
b: 4.27158e-12
x: Amount[ng/ul]
y: Area

==========

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```
Injection Date  : 11/30/2011 10:55:58 PM        Seq. Line :  14
Sample Name     : 1248 ICAL 1.00                 Location : Vial 14
Acq. Operator   : M.Miller/E.Farmen                  Inj :  1
Acq. Instrument : Micro ECD 1                  Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\UECD.M
Last changed    : 11/18/2011 4:01:22 PM by M.Miller/E.Farmen
Analysis Method : C:\HPCHEM\1\METHODS\1248SPT.M
Last changed    : 12/1/2011 8:42:46 AM by M.Miller/E.Farmen
                  (modified after loading)
```



External Standard Report

```
Sorted By             :      Retention Time
Calib. Data Modified  :      Thursday, December 01, 2011 8:42:45 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,
```

RetTime [min]	Sig	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.153	1	VB S	6.84123e4	2.92345e-6	2.00000e-1		TCmX
8.832	1	MV	7936.53418	1.26000e-4	1.00000		PCB 1248 Peak 1
9.296	1	VV	7805.37793	1.28117e-4	1.00000		PCB 1248 Peak 2
10.342	1	VV	1.09049e4	9.17015e-5	1.00000		PCB 1248 Peak 3
16.975	1	MM	4.10469e4	4.87248e-6	2.00000e-1		DCBP

```
Totals :                                  3.40000

 Results obtained with enhanced integrator!
```

*** End of Report ***

M
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Calibration Table

Calib. Data Modified : Thursday, December 01, 2011 8:42:45 AM

Calculate : External Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Do not use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

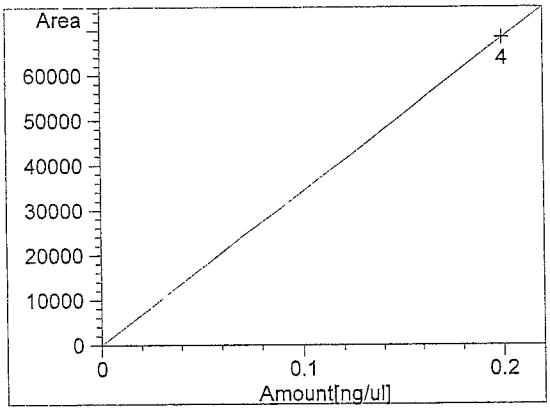
Signal 1: ECD1 A,

RetTime [min]	Sig	Lvl	Amount [ng/ul]	Area	Amt/Area	Ref	Grp	Name
7.153	1	4	2.00000e-1	6.84123e4	2.92345e-6			TCmX
8.832	1	4	1.00000	7936.53418	1.26000e-4			PCB 1248 Peak 1
9.296	1	4	1.00000	7805.37793	1.28117e-4			PCB 1248 Peak 2
10.342	1	4	1.00000	1.09049e4	9.17015e-5			PCB 1248 Peak 3
16.975	1	4	2.00000e-1	4.10469e4	4.87248e-6			DCBP

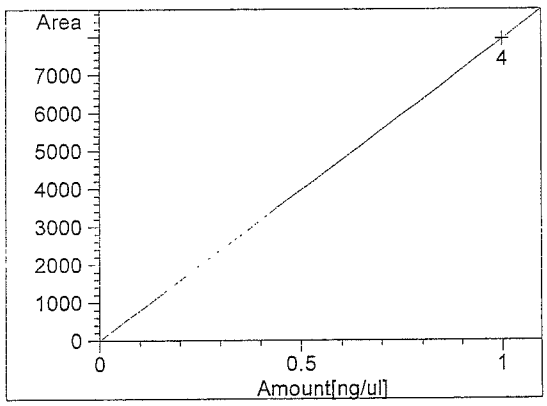
Peak Sum Table

No Entries in table

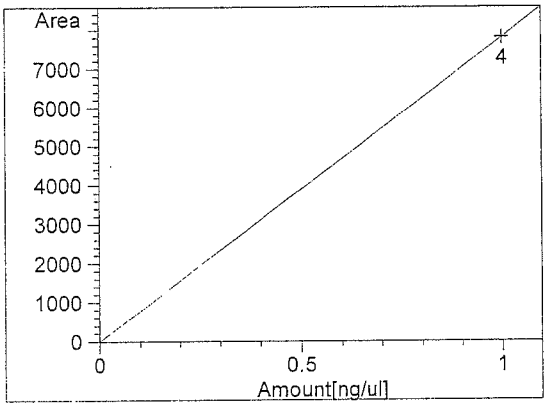
Calibration Curves



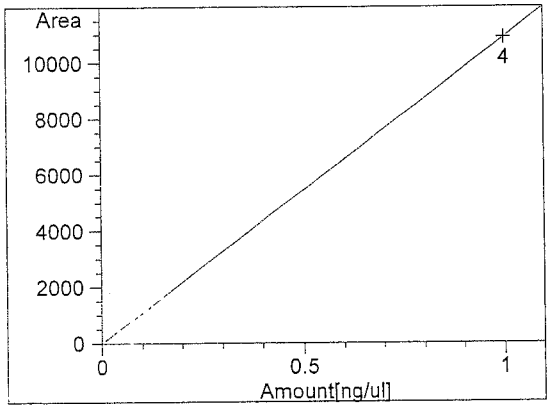
TCmX at exp. RT: 7.153
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 342061.71875
b: 9.49241e-12
x: Amount[ng/ul]
y: Area



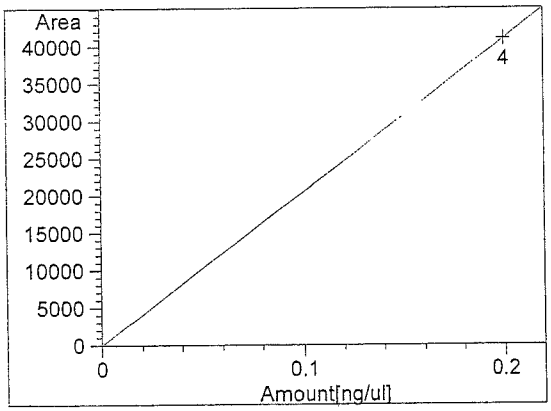
PCB 1248 Peak 1 at exp. RT: 8.832
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 7936.53418
b: 0.00000
x: Amount[ng/ul]
y: Area



PCB 1248 Peak 2 at exp. RT: 9.296
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 7805.37793
b: 0.00000
x: Amount[ng/ul]
y: Area



PCB 1248 Peak 3 at exp. RT: 10.342
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 10904.94336
b: 0.00000
x: Amount[ng/ul]
y: Area

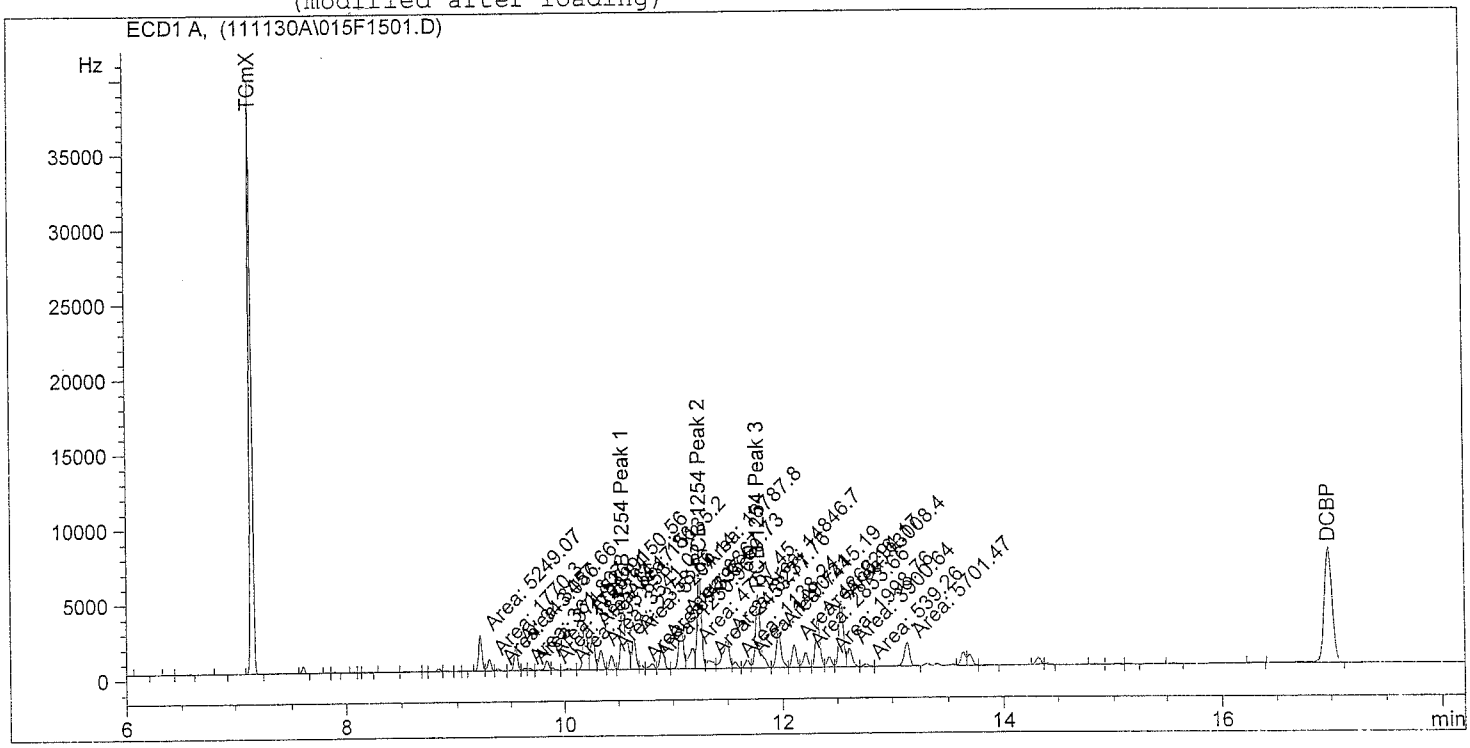


DCBP at exp. RT: 16.975
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 205234.33594
b: 3.87745e-12
x: Amount[ng/ul]
y: Area

==========

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Injection Date : 11/30/2011 11:19:22 PM Seq. Line : 15
Sample Name : 1254 ICAL 1.00 Location : Vial 15
Acq. Operator : M.Miller/E.Farmen Inj : 1
Acq. Instrument : Micro ECD 1 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\UECD.M
Last changed : 11/18/2011 4:01:22 PM by M.Miller/E.Farmen
Analysis Method : C:\HPCHEM\1\METHODS\1254SPT.M
Last changed : 12/1/2011 8:44:09 AM by M.Miller/E.Farmen
(modified after loading)



External Standard Report

Sorted By : Retention Time
Calib. Data Modified : Thursday, December 01, 2011 8:44:08 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.154	1	PB S	6.13975e4	3.25746e-6	2.00000e-1		TCmX
10.539	1	VV	1.51352e4	6.60710e-5	1.00000		PCB 1254 Peak 1
11.238	1	VV	1.67878e4	5.95669e-5	1.00000		PCB 1254 Peak 2
11.779	1	VV	1.48467e4	6.73552e-5	1.00000		PCB 1254 Peak 3
16.979	1	VBA	3.77665e4	5.29570e-6	2.00000e-1		DCBP

Totals : 3.40000

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

*** End of Report ***

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Calibration Table

Calib. Data Modified : Thursday, December 01, 2011 8:44:08 AM

Calculate : External Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Do not use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal 1: ECD1 A,

RetTime [min]	Sig	Lvl	Amount [ng/ul]	Area	Amt/Area	Ref	Grp	Name
7.154	1	4	2.00000e-1	6.13975e4	3.25746e-6			TCmX
10.539	1	4	1.00000	1.51352e4	6.60710e-5			PCB 1254 Peak 1
11.238	1	4	1.00000	1.67878e4	5.95669e-5			PCB 1254 Peak 2
11.779	1	4	1.00000	1.48467e4	6.73552e-5			PCB 1254 Peak 3
16.979	1	4	2.00000e-1	3.77665e4	5.29570e-6			DCBP

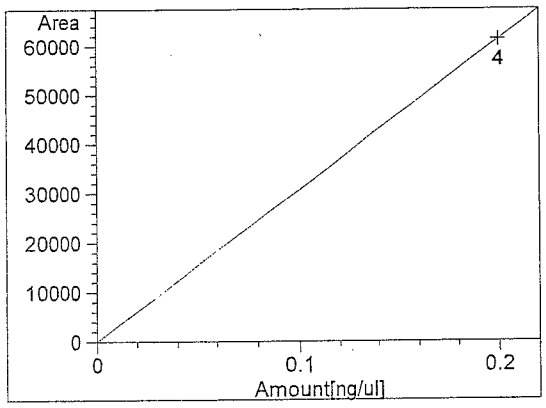
1 Warnings or Errors :

Warning : Overlapping peak time windows at 11.238 min, signal 1

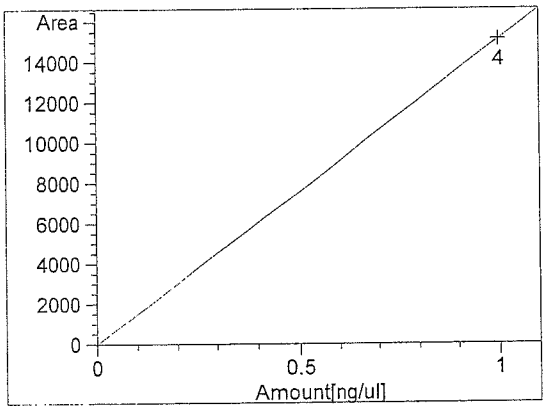
Peak Sum Table

No Entries in table

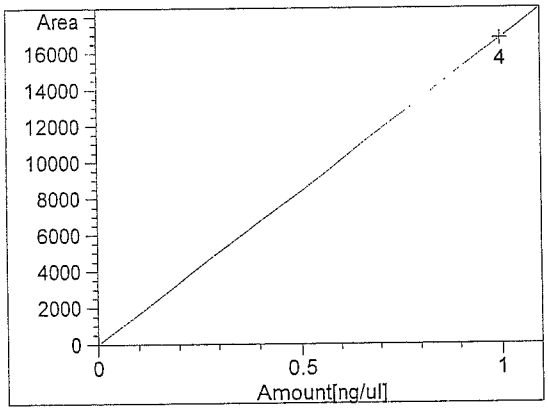
Calibration Curves



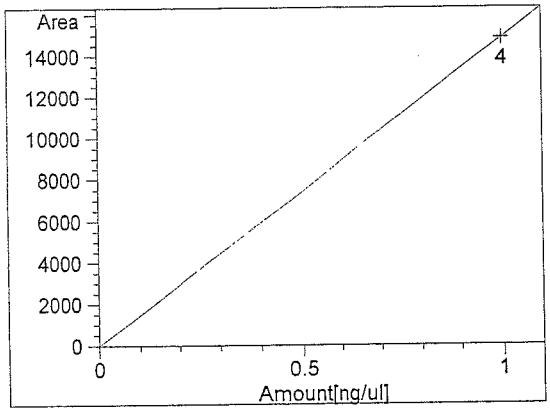
TCmX at exp. RT: 7.154
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 306987.61719
b: 4.87943e-12
x: Amount[ng/ul]
y: Area



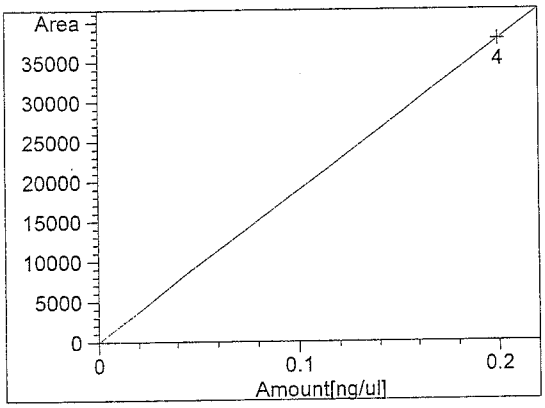
PCB 1254 Peak 1 at exp. RT: 10.539
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 15135.23633
b: 0.00000
x: Amount[ng/ul]
y: Area



PCB 1254 Peak 2 at exp. RT: 11.238
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 16787.83594
b: 0.00000
x: Amount[ng/ul]
y: Area



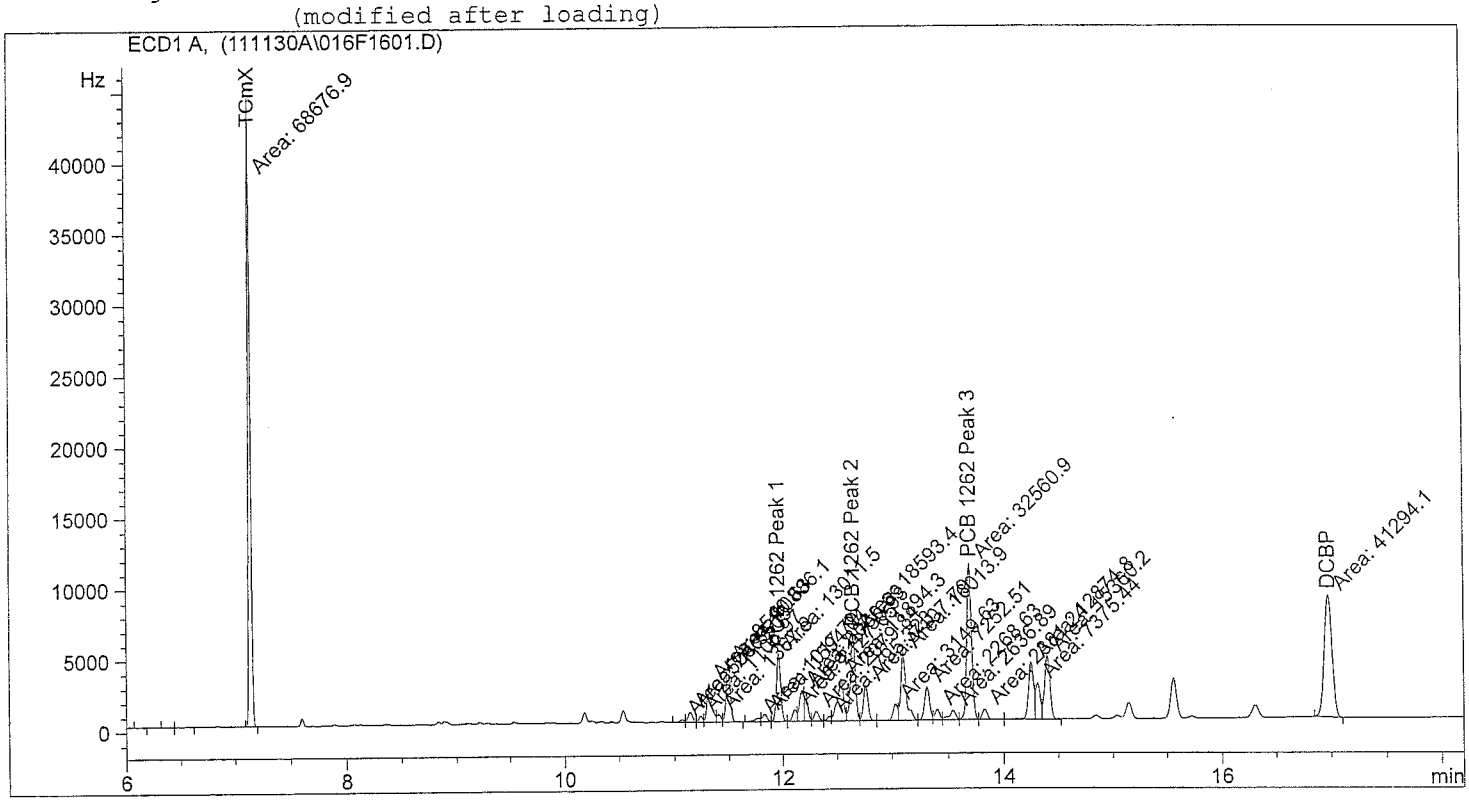
PCB 1254 Peak 3 at exp. RT: 11.779
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 14846.66113
b: 0.00000
x: Amount[ng/ul]
y: Area



DCBP at exp. RT: 16.979
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 188832.50000
b: 4.32987e-12
x: Amount[ng/ul]
y: Area

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```
Injection Date  : 11/30/2011 11:42:14 PM        Seq. Line :  16
Sample Name     : 1262 ICAL 1.00                 Location : Vial 16
Acq. Operator   : M.Miller/E.Farmen                  Inj :   1
Acq. Instrument : Micro ECD 1                Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\UECD.M
Last changed    : 11/18/2011 4:01:22 PM by M.Miller/E.Farmen
Analysis Method : C:\HPCHEM\1\METHODS\1262SPT.M
Last changed    : 12/1/2011 8:45:53 AM by M.Miller/E.Farmen
                  (modified after loading)
```



External Standard Report

```
Sorted By             :      Retention Time
Calib. Data Modified  :      Thursday, December 01, 2011 8:45:53 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,
```

RetTime [min]	Sig	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.153	1	MM	6.86769e4	2.91219e-6	2.00000e-1		TCmX
11.960	1	VV	1.30115e4	7.68553e-5	1.00000		PCB 1262 Peak 1
12.650	1	VV	1.85934e4	5.37826e-5	1.00000		PCB 1262 Peak 2
13.692	1	VV	3.25609e4	3.07116e-5	1.00000		PCB 1262 Peak 3
16.976	1	MM	4.12941e4	4.84331e-6	2.00000e-1		DCBP
Totals :					3.40000		

```
 Results obtained with enhanced integrator!
```

*** End of Report ***

(M) 12/1

Calibration Table

Calib. Data Modified : Thursday, December 01, 2011 8:45:53 AM

Calculate : External Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Do not use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

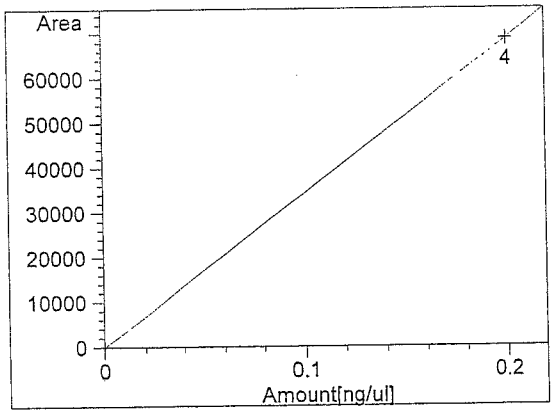
Signal 1: ECD1 A,

RetTime [min]	Sig	Lvl	Amount [ng/ul]	Area	Amt/Area	Ref	Grp	Name
7.153	1	4	2.00000e-1	6.86769e4	2.91219e-6			TCmX
11.960	1	4	1.00000	1.30115e4	7.68553e-5			PCB 1262 Peak 1
12.650	1	4	1.00000	1.85934e4	5.37826e-5			PCB 1262 Peak 2
13.692	1	4	1.00000	3.25609e4	3.07116e-5			PCB 1262 Peak 3
16.976	1	4	2.00000e-1	4.12941e4	4.84331e-6			DCBP

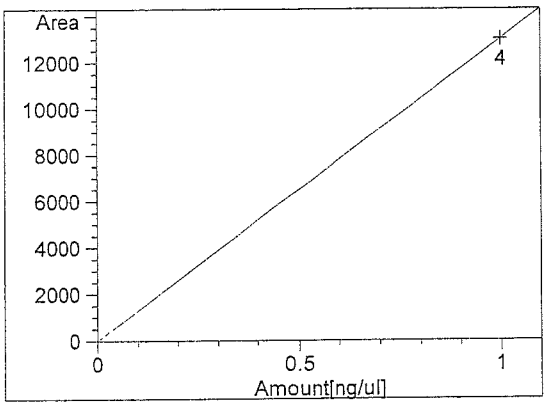
Peak Sum Table

No Entries in table

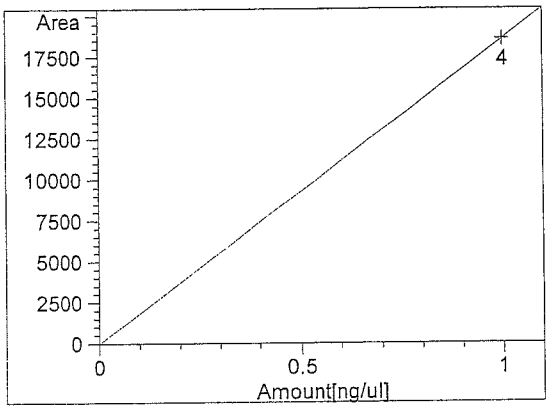
Calibration Curves



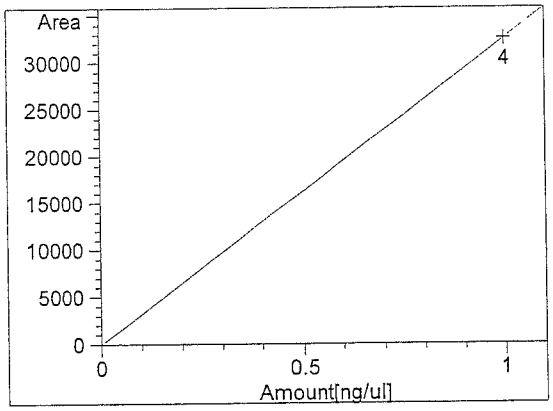
TCmX at exp. RT: 7.153
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 343384.53125
b: 7.71050e-12
x: Amount[ng/ul]
y: Area



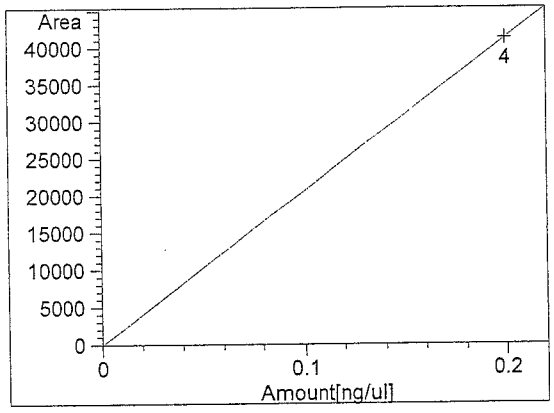
PCB 1262 Peak 1 at exp. RT: 11.960
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 13011.47266
b: 0.00000
x: Amount[ng/ul]
y: Area



PCB 1262 Peak 2 at exp. RT: 12.650
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 18593.37500
b: 0.00000
x: Amount[ng/ul]
y: Area



PCB 1262 Peak 3 at exp. RT: 13.692
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 32560.93945
b: 0.00000
x: Amount[ng/ul]
y: Area

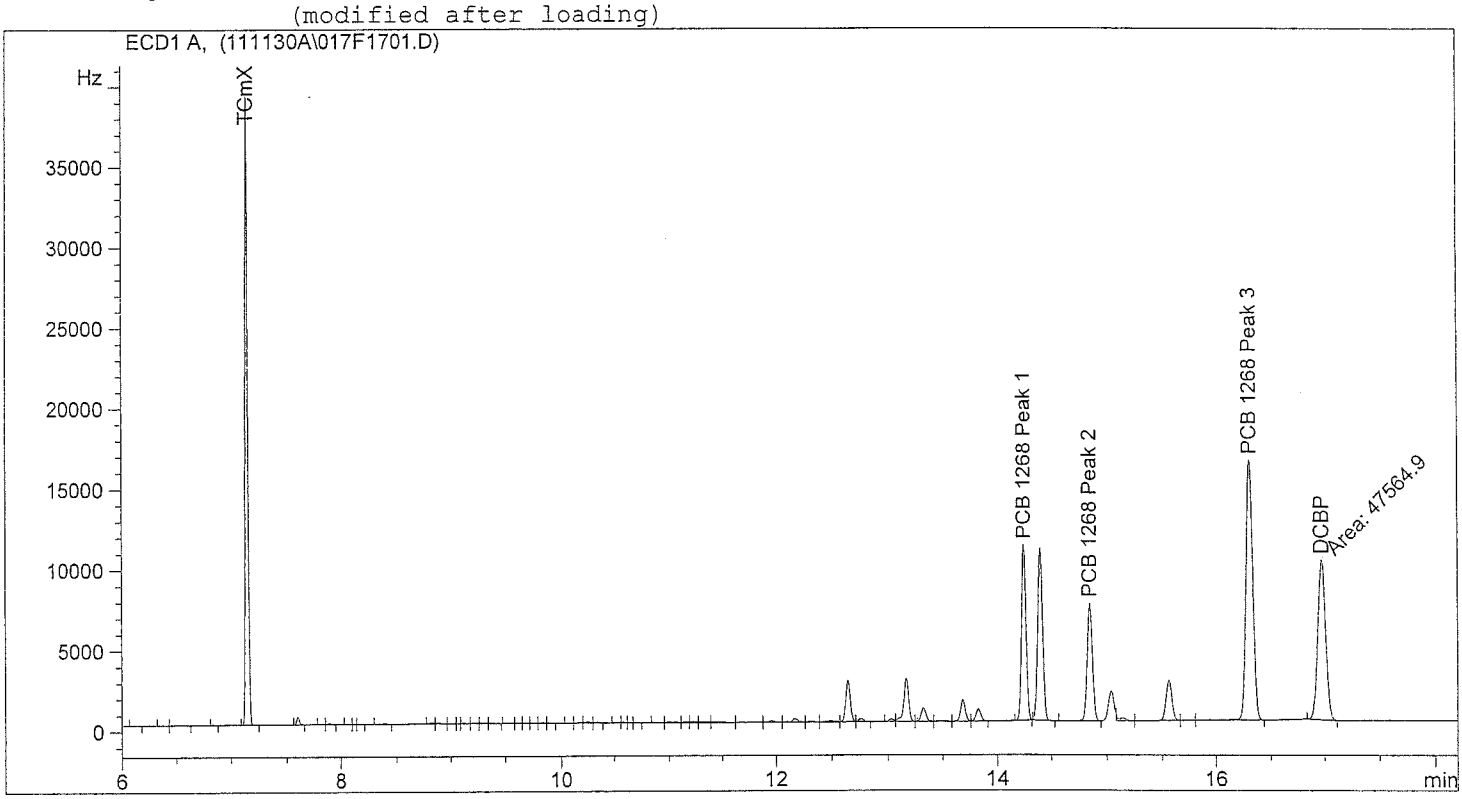


DCBP at exp. RT: 16.976
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 206470.27344
b: 3.91076e-12
x: Amount[ng/ul]
y: Area

==========

12/1

Injection Date : 12/1/2011 12:05:07 AM Seq. Line : 17
Sample Name : 1268 ICAL 1.00 Location : Vial 17
Acq. Operator : M.Miller/E.Farmen Inj : 1
Acq. Instrument : Micro ECD 1 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\UECD.M
Last changed : 11/18/2011 4:01:22 PM by M.Miller/E.Farmen
Analysis Method : C:\HPCHEM\1\METHODS\1268SPT.M
Last changed : 12/1/2011 8:47:38 AM by M.Miller/E.Farmen
(modified after loading)



External Standard Report

Sorted By : Retention Time
Calib. Data Modified : Thursday, December 01, 2011 8:47:36 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.152	1	PB S	6.03062e4	3.31641e-6	2.00000e-1		TCmX
14.251	1	PB S	3.27188e4	3.05635e-5	1.00000		PCB 1268 Peak 1
14.846	1	BB S	2.45553e4	4.07244e-5	1.00000		PCB 1268 Peak 2
16.308	1	VBA	6.98694e4	1.43124e-5	1.00000		PCB 1268 Peak 3
16.976	1	MM	4.75649e4	4.20478e-6	2.00000e-1		DCBP
Totals :					3.40000		

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

12/1

Calibration Table

Calib. Data Modified : Thursday, December 01, 2011 8:47:36 AM

Calculate : External Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Do not use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal 1: ECD1 A,

RetTime [min]	Sig	Lvl	Amount [ng/ul]	Area	Amt/Area	Ref	Grp	Name
7.152	1	4	2.00000e-1	6.03062e4	3.31641e-6			TCmX
14.251	1	4	1.00000	3.27188e4	3.05635e-5			PCB 1268 Peak 1
14.846	1	4	1.00000	2.45553e4	4.07244e-5			PCB 1268 Peak 2
16.308	1	4	1.00000	6.98694e4	1.43124e-5			PCB 1268 Peak 3
16.976	1	4	2.00000e-1	4.75649e4	4.20478e-6			DCBP

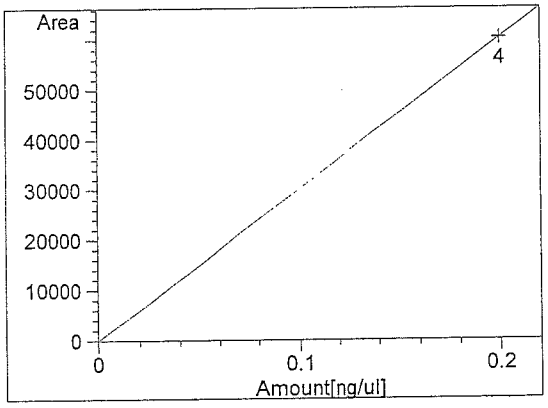
2 Warnings or Errors :

Warning : Overlapping peak time windows at 14.251 min, signal 1
Warning : Overlapping peak time windows at 16.308 min, signal 1

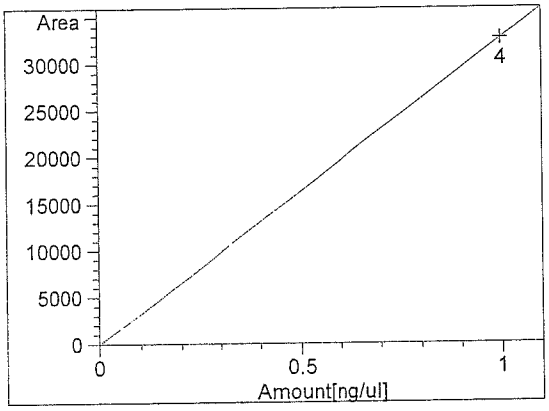
Peak Sum Table

No Entries in table

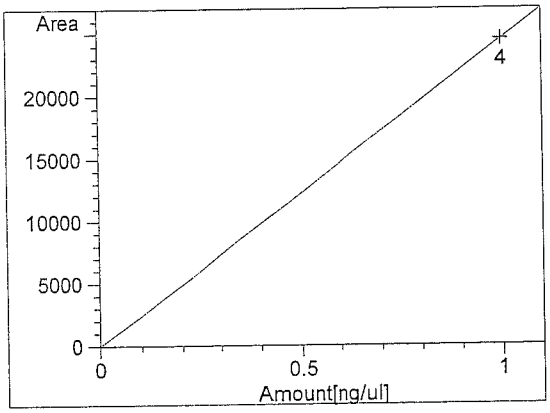
Calibration Curves



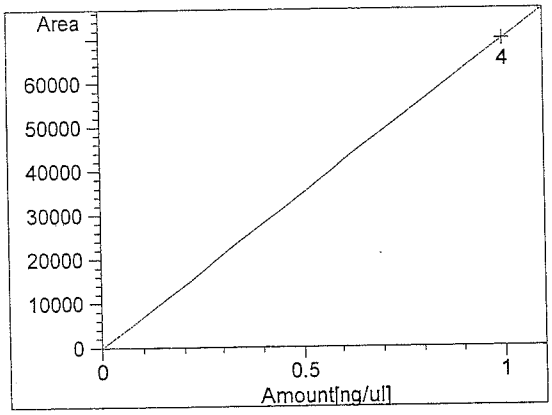
TCmX at exp. RT: 7.152
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 301530.97656
b: 4.73510e-12
x: Amount[ng/ul]
y: Area



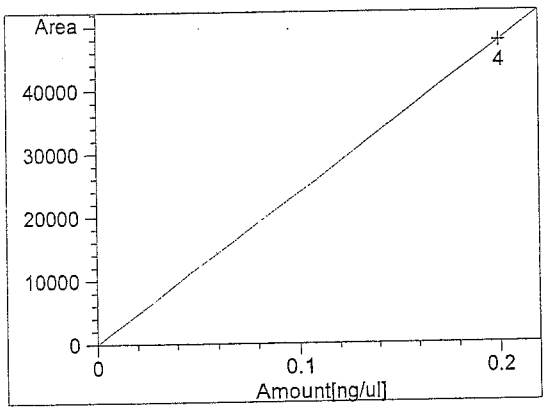
PCB 1268 Peak 1 at exp. RT: 14.251
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 32718.75000
b: 0.00000
x: Amount[ng/ul]
y: Area



PCB 1268 Peak 2 at exp. RT: 14.846
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 24555.28125
b: 0.00000
x: Amount[ng/ul]
y: Area

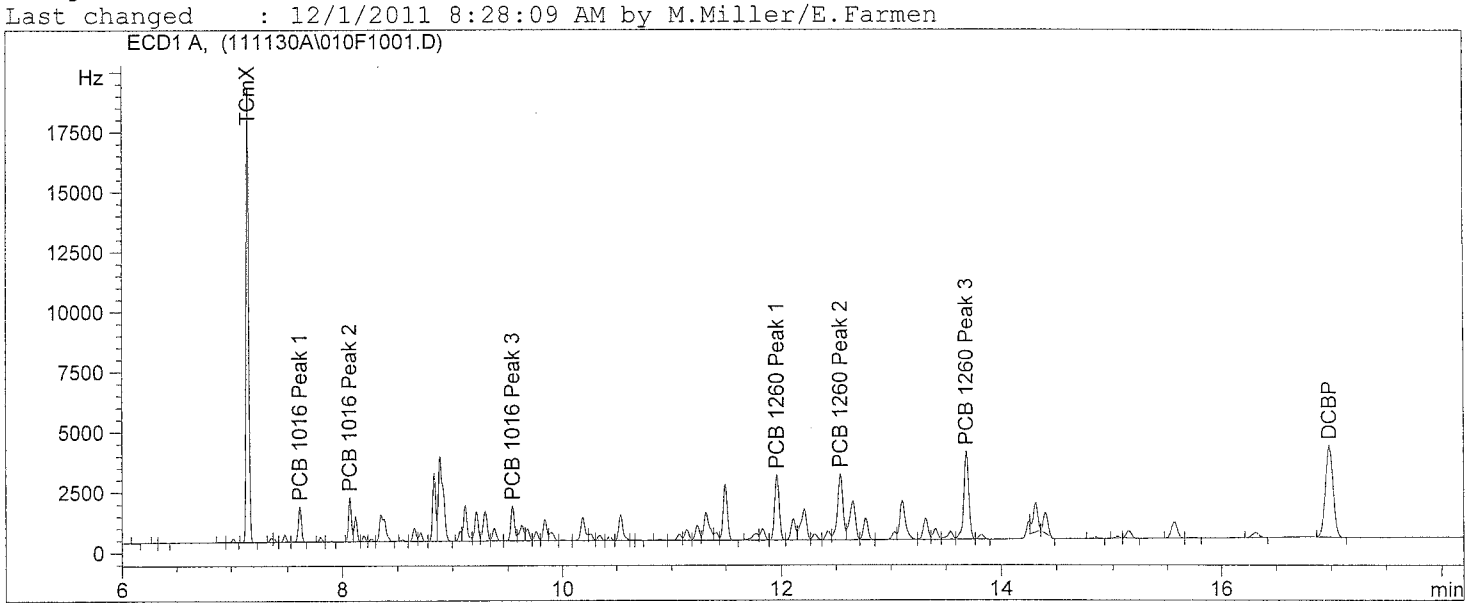


PCB 1268 Peak 3 at exp. RT: 16.308
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 69869.35938
b: 0.00000
x: Amount[ng/ul]
y: Area



DCBP at exp. RT: 16.976
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 237824.49219
b: 1.14353e-12
x: Amount[ng/ul]
y: Area

Injection Date : 11/30/2011 9:23:23 PM Seq. Line : 10
Sample Name : 16/60 CCV 0.500 Location : Vial 10
Acq. Operator : M.Miller/E.Farmen Inj : 1
Acq. Instrument : Micro ECD 1 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\UECD.M
Last changed : 11/18/2011 4:01:22 PM by M.Miller/E.Farmen
Analysis Method : C:\HPCHEM\1\METHODS\P113011.M
Last changed : 12/1/2011 8:28:09 AM by M.Miller/E.Farmen



External Standard Report

Sorted By : Retention Time
Calib. Data Modified : Thursday, December 01, 2011 8:27:13 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.154	1	PB S	2.94241e4	2.94364e-6	8.66140e-2		TCmX
7.612	1	VP	2819.23828	1.61600e-4	4.55589e-1		PCB 1016 Peak 1
8.072	1	BV	3455.16260	1.33814e-4	4.62350e-1		PCB 1016 Peak 2
9.541	1	VV	3275.47534	1.39257e-4	4.56134e-1		PCB 1016 Peak 3
11.961	1	VV	7480.46973	5.88845e-5	4.40484e-1		PCB 1260 Peak 1
12.540	1	VV	9222.01660	4.85590e-5	4.47812e-1		PCB 1260 Peak 2
13.693	1	VV	1.17281e4	3.73476e-5	4.38018e-1		PCB 1260 Peak 3
16.980	1	BBA	1.83463e4	4.78320e-6	8.77540e-2		DCBP

$\bar{X} = 0.4500$ (90.0%)

Totals : 2.87475

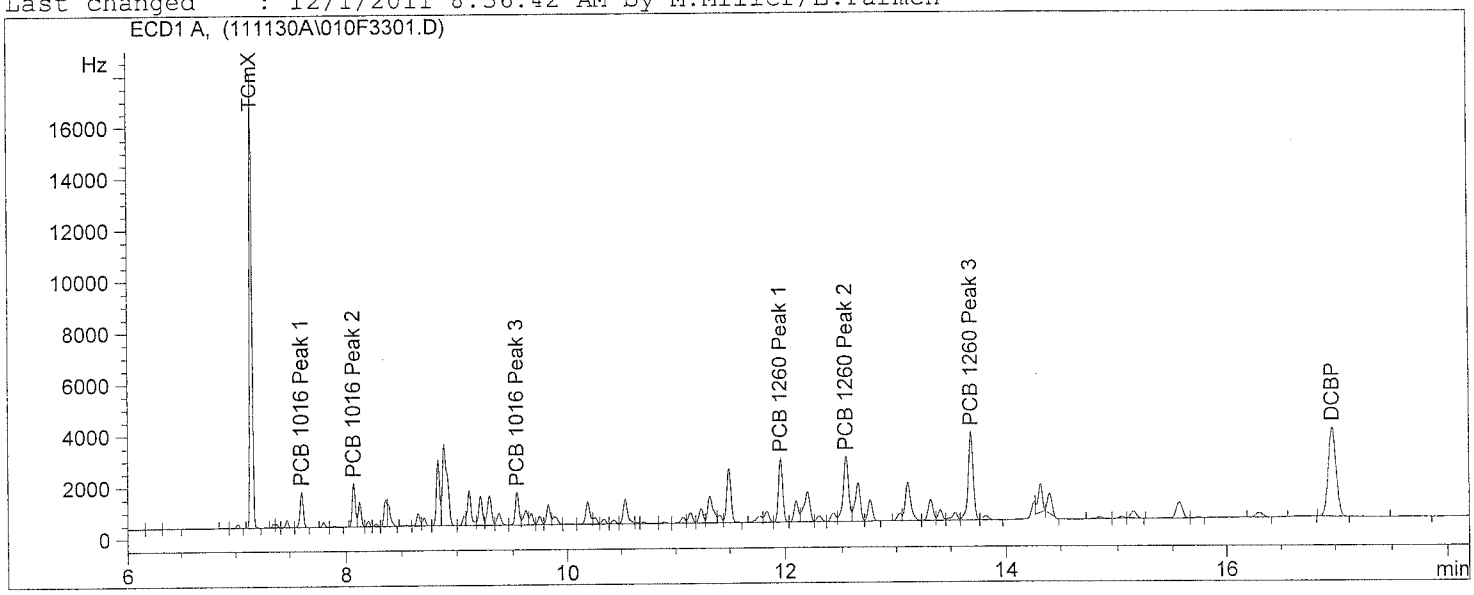
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

*** End of Report ***

12/1

Injection Date : 12/1/2011 6:15:50 AM Seq. Line : 33
Sample Name : CCV 0.500 Location : Vial 10
Acq. Operator : M.Miller/E.Farmen Inj : 1
Acq. Instrument : Micro ECD 1 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\UECD.M
Last changed : 11/18/2011 4:01:22 PM by M.Miller/E.Farmen
Analysis Method : C:\HPCHEM\1\METHODS\P113011.M
Last changed : 12/1/2011 8:36:42 AM by M.Miller/E.Farmen



External Standard Report

Sorted By : Retention Time
Calib. Data Modified : Thursday, December 01, 2011 8:27:13 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.153	1	VB S	2.77608e4	2.93833e-6	8.15704e-2		TCmX
7.612	1	VP	2605.24634	1.59805e-4	4.16332e-1		PCB 1016 Peak 1
8.072	1	BV	3166.10425	1.32326e-4	4.18959e-1		PCB 1016 Peak 2
9.540	1	VV	2980.72192	1.37534e-4	4.09950e-1		PCB 1016 Peak 3
11.959	1	VV	6835.75293	5.83384e-5	3.98787e-1		PCB 1260 Peak 1
12.539	1	VV	8394.46289	4.81758e-5	4.04410e-1		PCB 1260 Peak 2
13.691	1	VV	1.08152e4	3.71887e-5	4.02201e-1		PCB 1260 Peak 3
16.976	1	PBA	1.68363e4	4.76219e-6	8.01775e-2		DCBP

Totals : 2.61239

$\bar{X} = 0.4084$ (81.7%)

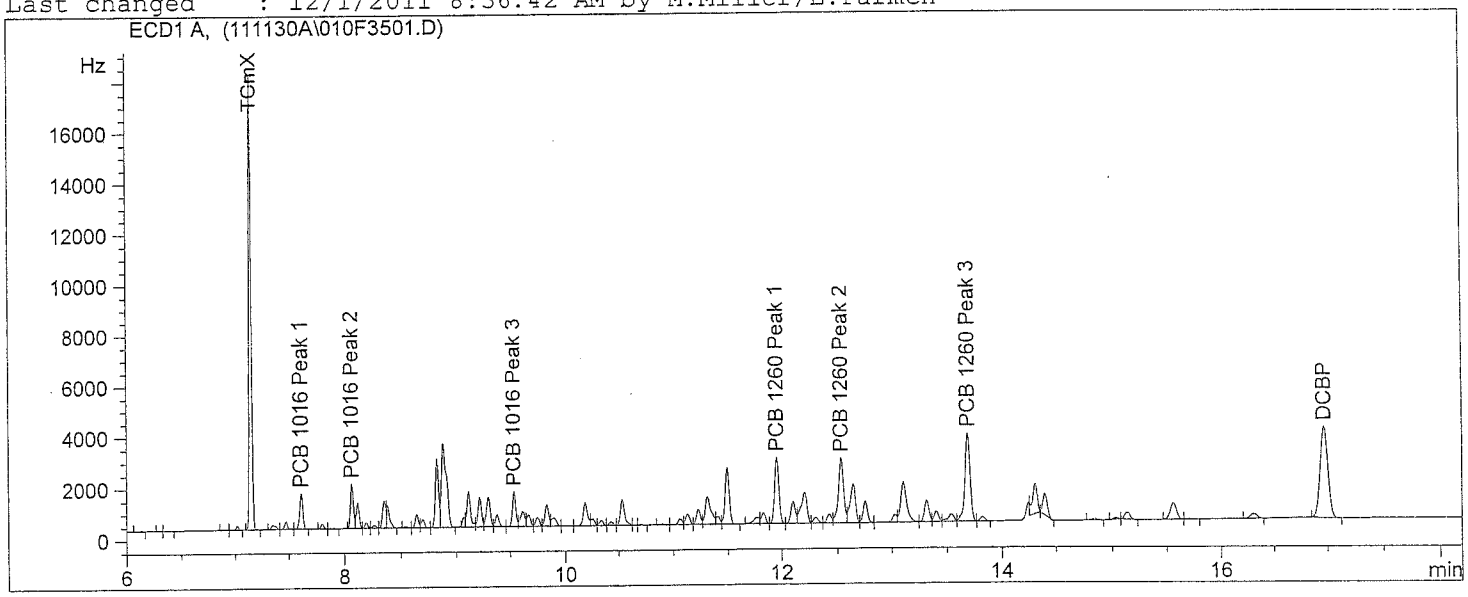
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

*** End of Report ***

12/1

Injection Date : 12/1/2011 7:47:54 AM Seq. Line : 35
Sample Name : CCV 0.500 Location : Vial 10
Acq. Operator : M.Miller/E.Farmen Inj : 1
Acq. Instrument : Micro ECD 1 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\UECD.M
Last changed : 11/18/2011 4:01:22 PM by M.Miller/E.Farmen
Analysis Method : C:\HPCHEM\1\METHODS\P113011.M
Last changed : 12/1/2011 8:36:42 AM by M.Miller/E.Farmen



External Standard Report

Sorted By : Retention Time
Calib. Data Modified : Thursday, December 01, 2011 8:27:13 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.152	1	VB S	2.80129e4	2.93917e-6	8.23349e-2		TCmX
7.610	1	VP	2647.92603	1.60186e-4	4.24161e-1		PCB 1016 Peak 1
8.069	1	BV	3244.62280	1.32757e-4	4.30746e-1		PCB 1016 Peak 2
9.538	1	VV	3078.90259	1.38145e-4	4.25334e-1		PCB 1016 Peak 3
11.957	1	VV	7110.04346	5.85828e-5	4.16527e-1		PCB 1260 Peak 1
12.535	1	VV	8514.05469	4.82357e-5	4.10682e-1		PCB 1260 Peak 2
13.688	1	VV	1.11095e4	3.72428e-5	4.13749e-1		PCB 1260 Peak 3
16.971	1	BBA	1.72582e4	4.76843e-6	8.22945e-2		DCBP

Totals : 2.68583

F= 0.4202 (84.07%)

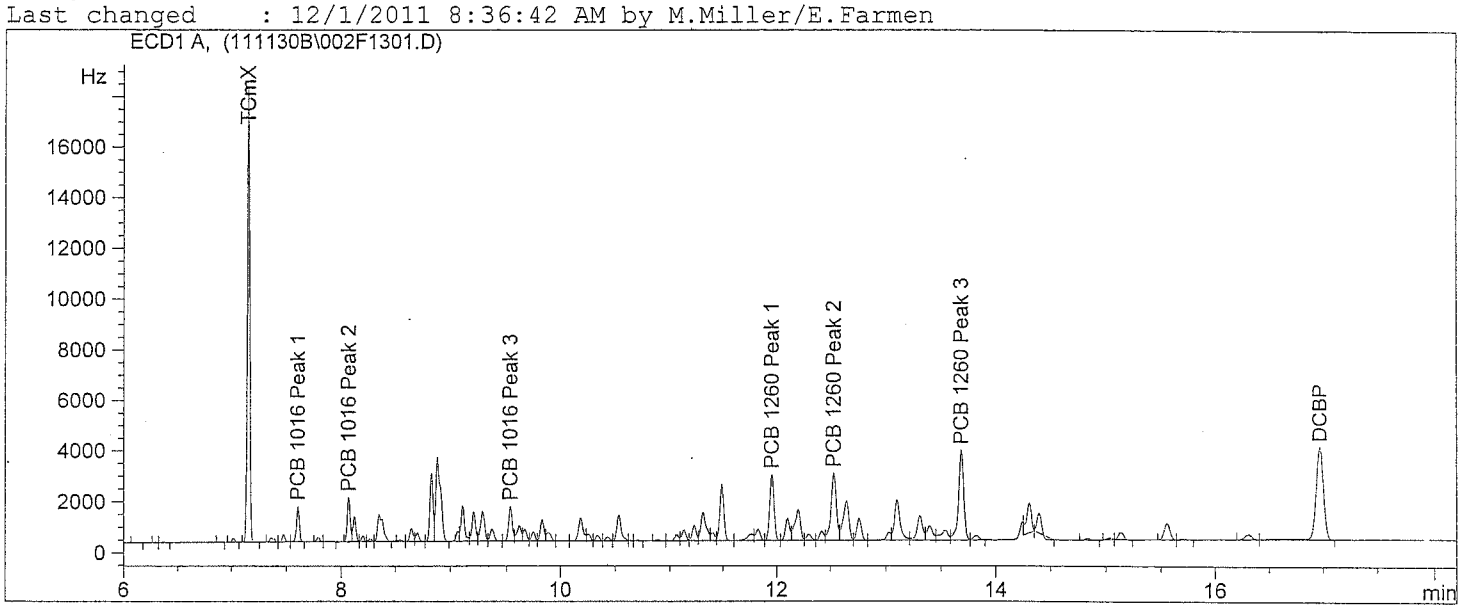
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

*** End of Report ***

12/1

```
Injection Date  : 12/1/2011 2:04:42 PM          Seq. Line :  13
Sample Name     : CCV 0.500                     Location : Vial 2
Acq. Operator   : M.Miller/E.Farmen                 Inj :  1
Acq. Instrument : Micro ECD 1                  Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\UECD.M
Last changed    : 11/18/2011 4:01:22 PM by M.Miller/E.Farmen
Analysis Method : C:\HPCHEM\1\METHODS\P113011.M
Last changed    : 12/1/2011 8:36:42 AM by M.Miller/E.Farmen
```



External Standard Report

```
Sorted By             :      Retention Time
Calib. Data Modified  :      Thursday, December 01, 2011 8:27:13 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,
```

RetTime [min]	Sig	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.151	1	PB S	2.78463e4	2.93862e-6	8.18296e-2		TCmX
7.609	1	VP	2628.77515	1.60017e-4	4.20648e-1		PCB 1016 Peak 1
8.068	1	BV	3240.29053	1.32734e-4	4.30095e-1		PCB 1016 Peak 2
9.537	1	VV	3094.69849	1.38239e-4	4.27809e-1		PCB 1016 Peak 3
11.956	1	VV	7220.56543	5.86761e-5	4.23675e-1		PCB 1260 Peak 1
12.534	1	VV	8852.27832	4.83966e-5	4.28420e-1		PCB 1260 Peak 2
13.687	1	VV	1.17189e4	3.73461e-5	4.37655e-1		PCB 1260 Peak 3
16.969	1	VBA	1.82053e4	4.78139e-6	8.70467e-2		DCBP

$\bar{X} = 0.4280$ (85.6%)

```
Totals :                                  2.73718

 Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
```

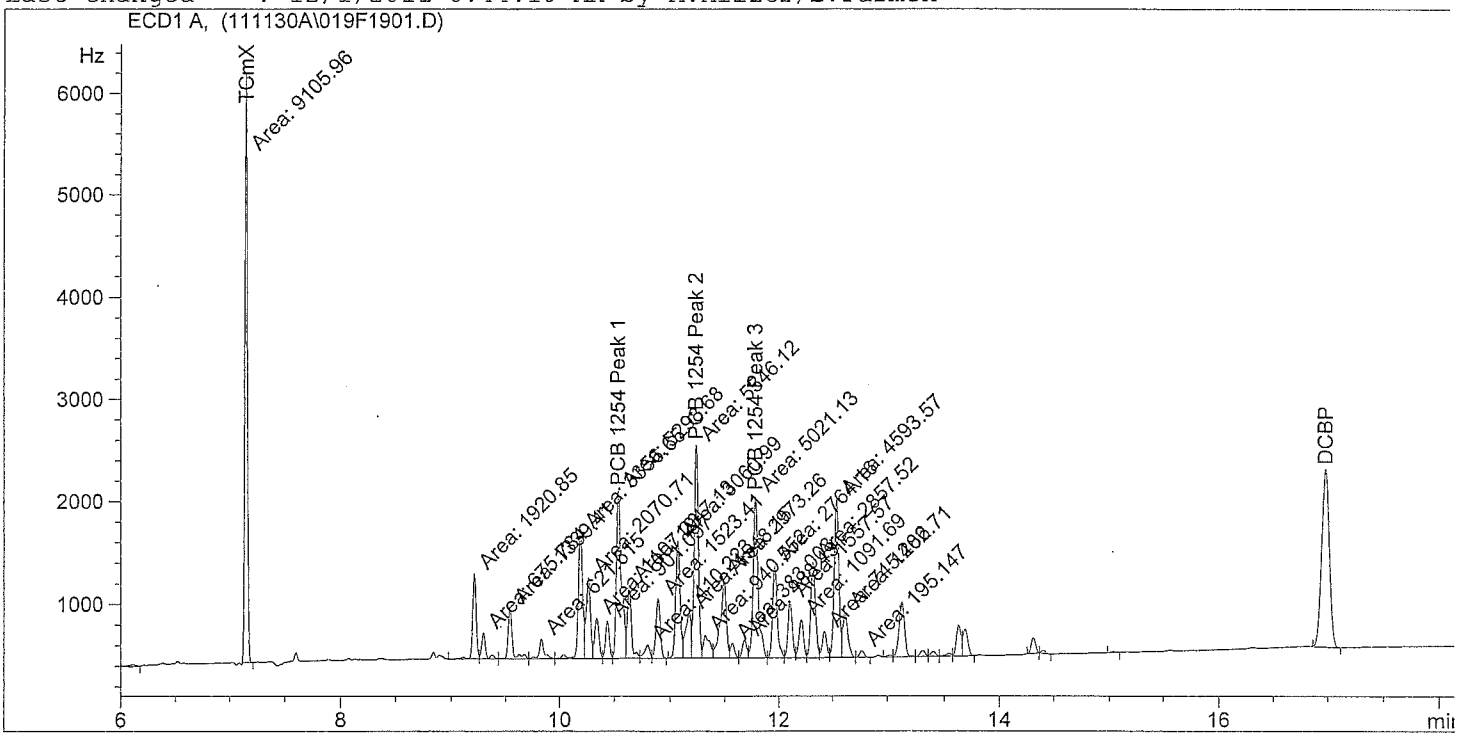
*** End of Report ***

PCBS

RAW QC DATA

LC 12/1

```
Injection Date  : 12/1/2011 12:50:57 AM          Seq. Line :  19
Sample Name     : Soil LCS11/30 LL                Location : Vial 19
Acq. Operator   : M.Miller/E.Farmen                   Inj :  1
Acq. Instrument : Micro ECD 1                  Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\UECD.M
Last changed    : 11/18/2011 4:01:22 PM by M.Miller/E.Farmen
Analysis Method : C:\HPCHEM\1\METHODS\1254SPT.M
Last changed    : 12/1/2011 8:44:18 AM by M.Miller/E.Farmen
```



External Standard Report

```
Sorted By             :      Retention Time
Calib. Data Modified  :      Thursday, December 01, 2011 8:44:08 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,

RetTime Sig Type     Area      Amt/Area    Amount   Grp   Name
 [min]              [Hz*s]                 [ng/ul]
-------|--|------|----------|----------|----------|--|---------------
  7.153  1 MM     9105.95703 3.25746e-6 2.96623e-2     TCmX   59.3%
 10.538  1 VV     5298.67529 6.60710e-5 3.50089e-1     PCB 1254 Peak 1
 11.236  1 VV     5546.11621 5.95669e-5 3.30365e-1     PCB 1254 Peak 2
 11.780  1 VV     5021.12500 6.73552e-5 3.38199e-1     PCB 1254 Peak 3
 16.979  1 BBA    8501.33301 5.29570e-6 4.50205e-2     DCBP   90.0%

Totals :                                 1.09334

 Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
```

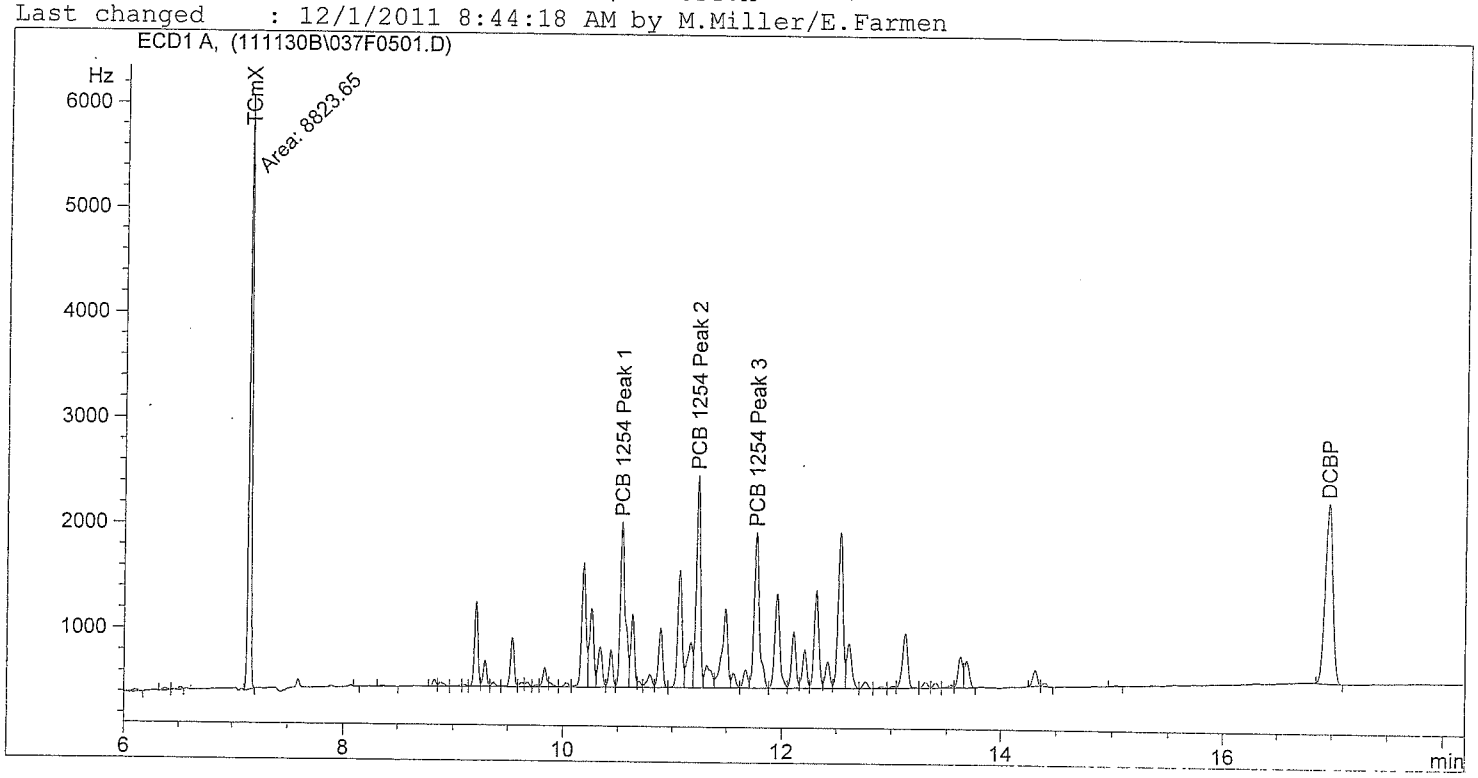
$\bar{x} = 0.3396$ (67.9%)

*** End of Report ***

+Cu

12/1

Injection Date : 12/1/2011 10:58:07 AM Seq. Line : 5
Sample Name : Soil LCS 11/30 Location : Vial 37
Acq. Operator : M.Miller/E.Farmen Inj : 1
Acq. Instrument : Micro ECD 1 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\UECD.M
Last changed : 11/18/2011 4:01:22 PM by M.Miller/E.Farmen
Analysis Method : C:\HPCHEM\1\METHODS\1254SPT.M
Last changed : 12/1/2011 8:44:18 AM by M.Miller/E.Farmen



External Standard Report

Sorted By : Retention Time
Calib. Data Modified : Thursday, December 01, 2011 8:44:08 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.151	1	MM	8823.64941	3.25746e-6	2.87427e-2		TCmX (87.5%)
10.534	1	VV	5178.43164	6.60710e-5	3.42144e-1		PCB 1254 Peak 1
11.232	1	VV	5376.08545	5.95669e-5	3.20237e-1		PCB 1254 Peak 2
11.775	1	VV	4796.86475	6.73552e-5	3.23094e-1		PCB 1254 Peak 3
16.969	1	BBA	8369.38770	5.29570e-6	4.43218e-2		DCBP 88.6%

$\bar{X} = 0.3285$ (65.7%)

Totals : 1.05854

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

*** End of Report ***

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc

Client Job Site:	690 St. Paul St.	**Lab Project Number:**	11-5141A
		Lab Sample Number:	Soil PB 11/30 LL
Client Job Number:	209280		
Field Location:	N/A	**Date Sampled:**	N/A
Field ID Number:	N/A	**Date Received:**	N/A
Sample Type:	Soil	**Date Analyzed:**	12/01/2011

PCB Identification	Results in mg / Kg
Aroclor 1016	< 0.0286
Aroclor 1221	< 0.0286
Aroclor 1232	< 0.0286
Aroclor 1242	< 0.0286
Aroclor 1248	< 0.0286
Aroclor 1254	< 0.0286
Aroclor 1260	< 0.0286

ELAP Number 10958

Analytical Method: EPA 8082A
Prep Method: EPA 3550C

Comments: mg / Kg = milligram per Kilogram

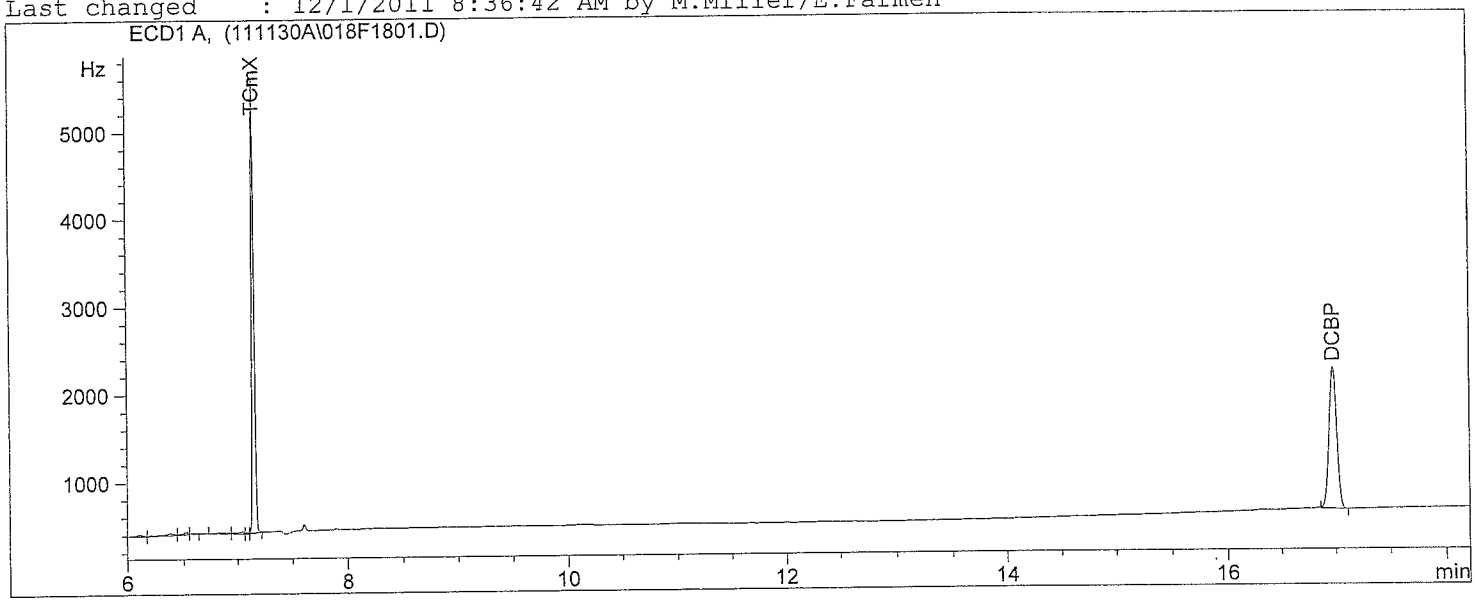
Signature: _____

Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

12/1

```
Injection Date  : 12/1/2011 12:28:04 AM        Seq. Line :  18
Sample Name     : Soil PB 11/30 LL              Location : Vial 18
Acq. Operator   : M.Miller/E.Farmen                 Inj :  1
Acq. Instrument : Micro ECD 1                Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\UECD.M
Last changed    : 11/18/2011 4:01:22 PM by M.Miller/E.Farmen
Analysis Method : C:\HPCHEM\1\METHODS\P113011.M
Last changed    : 12/1/2011 8:36:42 AM by M.Miller/E.Farmen
```



External Standard Report

```
Sorted By             :      Retention Time
Calib. Data Modified  :      Thursday, December 01, 2011 8:27:13 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,
```

RetTime [min]	Sig	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.154	1	PB S	8151.36865	2.71204e-6	2.21069e-2		TCmX 44.2%
7.611	1		-	-	-		PCB 1016 Peak 1
8.072	1		-	-	-		PCB 1016 Peak 2
9.541	1		-	-	-		PCB 1016 Peak 3
11.962	1		-	-	-		PCB 1260 Peak 1
12.540	1		-	-	-		PCB 1260 Peak 2
13.693	1		-	-	-		PCB 1260 Peak 3
16.979	1	BBA	7973.68213	4.47841e-6	3.57094e-2		DCBP 71.4%

```
Totals :                                  5.78162e-2

 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
```

*** End of Report ***

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc

Client Job Site:	690 St. Paul St.	**Lab Project Number:**	11-5141A
		Lab Sample Number:	Soil PB 11/30 +Cu
Client Job Number:	209280		
Field Location:	N/A	**Date Sampled:**	N/A
Field ID Number:	N/A	**Date Received:**	N/A
Sample Type:	Soil	**Date Analyzed:**	12/01/2011

PCB Identification	Results in mg / Kg
Aroclor 1016	< 0.0286
Aroclor 1221	< 0.0286
Aroclor 1232	< 0.0286
Aroclor 1242	< 0.0286
Aroclor 1248	< 0.0286
Aroclor 1254	< 0.0286
Aroclor 1260	< 0.0286

ELAP Number 10958

Analytical Method: EPA 8082A
Prep Method: EPA 3550C

Comments: mg / Kg = milligram per Kilogram

Signature: _____

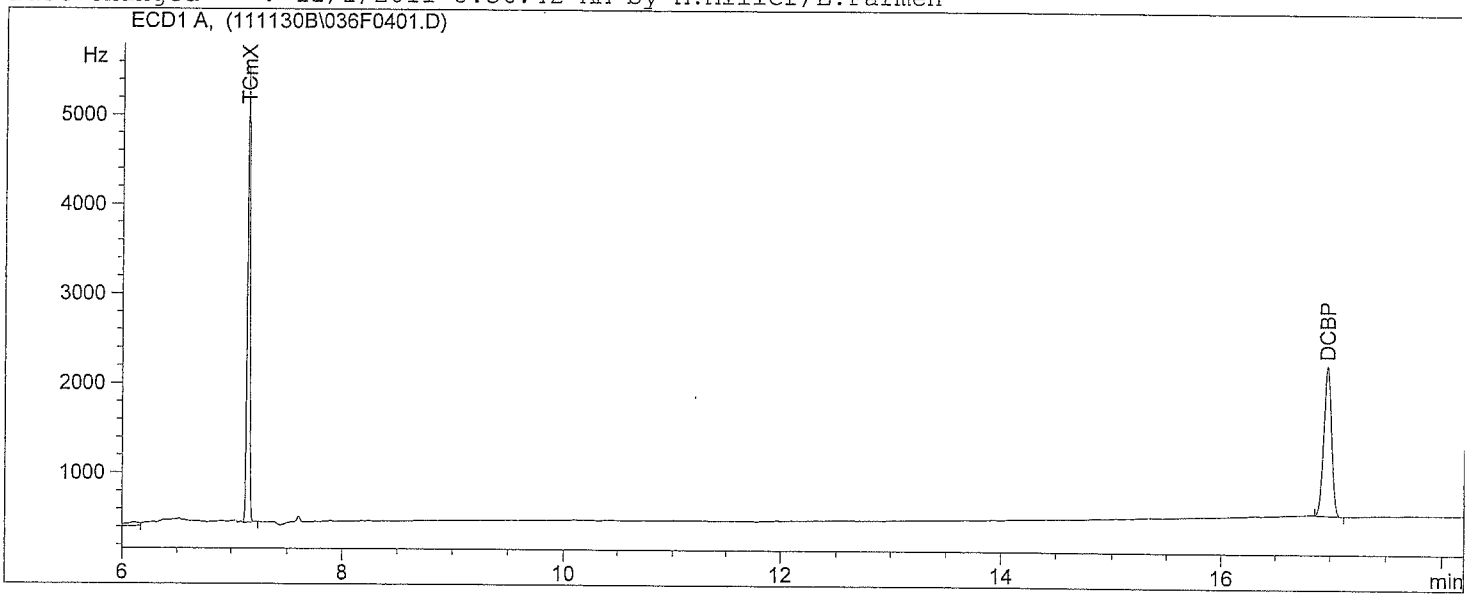
Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

+Cu

12/1

Injection Date : 12/1/2011 10:35:11 AM Seq. Line : 4
Sample Name : Soil PB 11/30 Location : Vial 36
Acq. Operator : M.Miller/E.Farmen Inj : 1
Acq. Instrument : Micro ECD 1 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\UECD.M
Last changed : 11/18/2011 4:01:22 PM by M.Miller/E.Farmen
Analysis Method : C:\HPCHEM\1\METHODS\P113011.M
Last changed : 12/1/2011 8:36:42 AM by M.Miller/E.Farmen



External Standard Report

Sorted By : Retention Time
Calib. Data Modified : Thursday, December 01, 2011 8:27:13 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.153	1	VB S	8108.39893	2.71035e-6	2.19766e-2		TCmX 44.0%
7.611	1		-	-	-		PCB 1016 Peak 1
8.072	1		-	-	-		PCB 1016 Peak 2
9.541	1		-	-	-		PCB 1016 Peak 3
11.962	1		-	-	-		PCB 1260 Peak 1
12.540	1		-	-	-		PCB 1260 Peak 2
13.693	1		-	-	-		PCB 1260 Peak 3
16.972	1	BBA	8137.62207	4.48927e-6	3.65320e-2		DCBP 73.1%

Totals : 5.85085e-2

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

*** End of Report ***

ORGANIC PREP: Pesticide & PCB Aqueous & Non-Aqueous Samples

DATE	SAMPLE #	EPA METHOD	INITIAL VOLUME	FINAL VOLUME	INITIALS	SURROGATE/SPIKE	CLEAN-UP	OTHER
11/30/11	BLK	Pest/PCB S[4]	"35.0g"	10 mL	edf	50 µl PBSS# 11251	Pest F / PCB Cu	mecl2 → Hexane
	LCS	PCB S[4]	↓	↓	↓	25 µl PCB 1254 # 11259	Cu F, F/S	
	LCS1	Pest S	↓	↓	↓	20 µl Pest MS # 11167	F	
	LCS2	↓	↓	↓	↓	5 µl TCX # 10909	↓	
	17006	Pest/PCB S[4]	34.9	↓	↓	↓	F/S / Cu	G3
	17007	↓	35.0	↓	↓	↓	↓	↓
11/30 cont. from prev. page	17054	Pest/PCB W	1L	10 mL	edf/mw	50 µl PBSS # 11269	Pest / PCB	mecl2 → Hexane S3-1, S3-2
	17055	↓	↓	↓	↓	↓	Cu	S3-1
	17056							S3-1, S3-2
	17057							S3-1, S3-3
	17058							S3-2, S3-3
	17059	↓	↓	↓				S3-1, S3-2
	17055 MS	Pest W	500	5 ml		25 µl PBSS # 11269 10 mL ea mw 11/29/11; 20 µl Pest MS # 11167	~~Cu~~ ea/12	S3-2
	17055 msd	↓	↓	↓		↓		S3-6
	17055 MS	PCB W	↓	↓		12.5 ea mw 11/29/11; 25 µl PCB 1254 # 11259	Cu	S3-5
	17055 msd	↓	↓	↓	↓	↓ mw ea 11/29/11	↓	S3-9
11/30/11	Blk	PCB S	"5.00	20 mL	mw	100 µl PBSS # 11251	F/S Cu	3:1
	LCS		↓	↓	↓	60 µl PCB 1254 11259	↓	
	17018		5.14				F/S	G2
	17019		5.28				F/S, Cu	G2
	17004		5.06				F/S	mc
	17005		4.88					mc
	17023		5.03					S3
	17024		5.13					
	17025		5.14					
	17026		5.23					
	17027		5.33	↓				

GC / Micro ECD PCB System 6890 / Micro ECD

Initial 16/60 Cal date 11/30/11

Date	GC Method	Vial #	Data File	Matrix	Sample ID	Standard #	Notes	Intials	A	R	Comments	Intials
11/30/11	1 ECD	1	11130A	-	Hexane X5				-	-		
		2		N/A	16/60 ICAL - 0.050PPM L1	11188			✓			
		3			-0.100PPM L2	11189			✓		83.7%	
		4			-0.250PPM L3	11190			✓			
		5			-0.500PPM L4	11191			✓			
		6			-0.750PPM L5	11192	Validated ICAL 11/30/11. M		✓			
		7			-1.00PPM L6	11193	"		✓			
		8			-2.00PPM L7	11194			✓		95.5%	
		9			16/60 REF - 0.500	11195			✓		97.8%	
		10			16/60 CCV - 0.500	11268			✓		90.0%	
		11			1221 ICAL - 1.00 PPM	11196	1221 SPT. M		✓			
		12			1232	11197	1232 SPT. M		✓			
		13			1242	11198	1242 SPT. M		✓			
		14			1248	11199	1248 SPT. M		✓			
		15			1254	11200	1254 SPT. M		✓			
		16			1262	11201	1262 SPT. M		✓			
		17			1268	11202	1268 SPT. M		✓			
		18		Soil	PB - 11/30 LL				✓			
		19			LCS - 11/30 LL				✓			
		20			17006 LAB - 5141A				EFG INV ✗	✗	raw/CL	
		21			17007				✓		BRL	
		22			PB - 11/30				✓			
		23			LCS - 11/30				✓			
		24			17018 DPT - 5144				✓		NP	

(cont'd)

A = Accepted: R = Rejected

GC / Micro ECD PCB System 6890 / Micro ECD

Initial 16/60 Cal date 11/30/11

Date	GC Method	Vial #	Data File	Matrix	Sample ID	Standard #	Notes	Intials	A	R	Comments	Intials
11/30/11	uECD	25	111130A	Soil	17019 OPT-5145				✓		NP	
(cont'd)		26			17004 RGE-5140				✓			
		27			17005 ↓				✓			
		28			17023 OPT-5147				✓			
		29			17024				✓			
		30			17025				✓			
		31			17026				✓			
		32			17027				✓			
		10		–	CCV-0.500	11268			✓		81.7%	
		1		–	Hexanex3				–	–		
		10		–	CCV-0.500	11268			✓		84.0%	
		33	111130B	Oil/Solid	PB-11/30				✓			
		34			LCS-11/30				✓			
		35		solid	16152R MOD-4834R				✓		NP	
		36		soil	PB-11/30		+Cu		✓			
		37			LCS-11/30				✓			
		38			17006 LAB-5141A				✓		BRL	
		39		solid	16450R ESG-4927AR				✓		NP	
		40			16451R				✓			
		41			16452R				✓			
		42			16453R				✓			
		43			16454R				✓			
		44			16455R				✓	/	↓	
↓	↓	2	↓		CCV – 0.500	11268		↓	✓		85.6%	↓

A = Accepted: R = Rejected

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

LaBella Associates

For Lab Project # 11-5230A
Issued December 27, 2011
This report contains a total of 328 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Each page of this document is part of a multipage report. This document may not be reproduced except in its entirety, without the prior consent of Paradigm Environmental Services, Inc.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

"<" = analyzed for but not detected at or above the reporting limit.
"E" = Result has been estimated, calibration limit exceeded.
"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.
"V" = Sample concentration is >10 times the spike. No meaningful Spike Recovery can be calculated.
"J" = Any hits present between the reporting limit and half the reporting limit.
"Z" = Please refer to included Case Narrative for explanation.

LAB PROJECT NARRATIVE: 11-5230A
PROJECT NAME: 690 St. Paul St.
SDG: 17276
CLIENT: LaBella Associates

Two soil samples were collected by LaBella Associates personnel on 12/02/2011 and received at the Paradigm laboratory on 12/02/2011. Container and holding times were acceptable at time of receipt; the sample was received at 17° Centigrade. The samples were submitted with the Chains-of-Custody requesting TCL list VOCs and SVOCs, Pesticides, and PCBs. TICs were requested and reported on the SVOCs. All analyses were performed using EPA SW-846 methods and holding times.

GENERAL NOTES

ALL ANALYSES

The initial and continuing calibration reports are only evaluated for compounds that are on the sample summary report.

Regarding results on QC summary forms versus included raw data, due to calculations made at the instrument where many significant figures may be used, there may be slight discrepancies between the summary report result and that recorded on the raw data. This does not affect data usability.

VOLATILES and SEMIVOLATILES

Regarding initial calibrations, it should be noted that the Quantitation Report concentrations supplied for the initial calibration reflect the calibration prior to updating. The response factors and areas are correct.

Regarding Quantitation Reports, it should be noted that the "#" symbol that appears on some of the Quantitation Reports is a software artifact and should be disregarded.

VOLATILES

Holding times were met for all samples.

All surrogate recoveries for the samples were within acceptable limits, except three of the four surrogates for sample AOC1-CS-8 (only 1,2-Dichloroethane-d4 was in). The surrogates were out low, flagged with an "*" on the summary form, and a notation was made on the sample report. Matrix interference is suspected. All surrogate recoveries for the QC samples were within acceptable limits, except4-Bromofluorobenzene for Soil LCS 12/02 was out high (the

Spike Recoveries for this sample were all within limits). It was flagged with a "*" on the summary form. After checking surrogate recoveries on Laboratory Control Samples both before and after this particular LCS, which were all found to be compliant, it was determined that this was an isolated incident and did not affect data usability.

Site specific QC was not requested on this SDG. The laboratory control sample recovered within acceptance limits.

The method blank was free from contamination within the reportable range, except a low level "J" flagged hit of 14.7 ug/Kg of Acetone. This compound has been flagged with a "B" accordingly in both samples.

The instrument tunes passed all criteria.

The internal standards areas and retention times were within acceptance ranges.

All data for the initial calibration was within acceptance limits. Compounds flagged with an "*" on the summary table have been calibrated using a non-average Response Factor calibration curve. The supporting curves are located after the initial calibration table. (see method 8000B, section 7.5.1.2.1).

All continuing calibration data was within acceptance limits.

SEMI-VOLATILES

Holding times were met for all samples.

All surrogate recoveries for the samples and associated QC were within acceptable limits.

Site specific QC was not requested on this SDG. The laboratory control sample recovered within acceptance limits.

The method blank was free from contamination within the reportable range.

The instrument tunes passed all criteria.

The internal standards areas and retention times were within acceptance ranges.

All data for the initial calibrations was within acceptance limits. Compounds flagged with an "*" on the summary table have been calibrated using a non-average Response Factor calibration curve. The supporting curves are located after the initial calibration table. (see method 8000B, section 7.5.1.2.1).

All continuing calibration data was within acceptance limits. Atrazine is assessed for adequate sensitivity at the reporting limit by a single point 10 ppm standard. This is usable for determination of "Non-Detects" for Atrazine only.

PESTICIDES AND PCBS

Holding times were met for all samples.

Surrogate recoveries for the PCB and Pesticide analyses were within acceptable limits for all samples and associated QC, except Tetrachloro-m-xylene was out low in the Pesticides analysis for sample AOC-CS-8. It was flagged with an "*" on the summary form, and a notation was made on the sample report. Matrix interference is suspected.

Site specific QC was not requested on this SDG. The laboratory control samples recovered within acceptance limits.

The method blanks were free from contamination within the reportable ranges.

The internal standards areas and retention times were within acceptance ranges for the Pesticides for the QC samples. The internal standard areas for the samples were out high and flagged with a "*" on the summary form. Due to the rush nature of this project, the data was reported and the samples were re-run at a later date to confirm. The confirmation raw data is located after the reported run raw data. Matrix interference is not suspected in this case. Rather, the IS is possibly concentrated and, therefore, high outside the area limits.

All data for the initial calibrations were within acceptance limits. The internal acceptance criteria for the initial calibrations was 0.990 or better for each peak.

All continuing calibration data was within acceptable limits.

Where second column confirmation was required for Pesticide hits, a Form 10 including Percent Difference was included. Any second column confirmations that were above the required 40% difference have been flagged with a "*" on the Form 10's and a "C" on the report forms.

(signed) _____ (date) 12/27/11

Bruce Hoogesteger- Technical Director

SDG# : 17276
LAB PROJECT #: 11-5230A
CLIENT: LaBella Assoc.
PROJECT NAME: 690 St. Paul St.

BATCH COMPLETE: 11/29/2011
DATE: 12/13/2011
DATE DUE: 12/21/2011
PROTOCOL: SW846

LAB.SAMPLE#	FIELD ID	MATRIX	REQUESTED ANALYSIS	DATE SAMPLED	DATE REC'D
17276	AOC1-CS-8	Soil	VOA, SVOA,PEST,PCB	12/2/2011	12/2/2011
17277	AOC1-CS-9	Soil	VOA, SVOA,PEST,PCB	12/2/2011	12/2/2011

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

PARADIGM ENVIRONMENTAL SERVICES, INC.

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:	
COMPANY: LaBella Assoc.	COMPANY: Same	LAB PROJECT #: 11-5230A / CLIENT PROJECT #: 209280
ADDRESS:	ADDRESS:	
CITY: STATE: ZIP:	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)
PHONE: FAX:	PHONE: FAX:	STD 5 / OTHER
ATTN: DAN Noll	ATTN:	1 2 3 5
COMMENTS: Cat B ASP package needed on CS-8, CS-9 only per D. Noll 12/2. EAH 12/2		Quotation #

PROJECT NAME/SITE NAME: 690 St Paul St.

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	TCL VOCs + TICs	TCL SVOCs + TICs	PCBs	Pest.	TPH 310.13	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	12/2/2011	1505		X	~~CS-8~~ AOC1-CS-8	soil	2	X	X	X	X		1-DAY TURN If possible	1 7 2 7 6
2	↓	1530		↓	~~CS~~ AOC1-CS-9	soil	2	X	X	X	X		" " " "	1 7 2 7 7
3	↓	1520		↓	Product	Prod.	1	X	X	X	X	X	5-DAY TURN	~~1 7 2 7 8~~
4													CPC DN/JD 12-5-11	Logged in as a separate Job. See 11-52 EAH 12/
5													UOA, 1 day tat	
6					Product sample is bilayer- Non Aq top layer + aq bottom layer. Per Solubility test. Will run Non Aq layer only. Emailed DNoll 12/2. EAH 12/2 OK DNoll oil layer only 12/2.								SUOA, 2 day	
7													PCB/Pest, 3day	
8													Odeon 1620	
9													Product 5day	
10														

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☒	N ☐
Comments:		
Preservation: N/A	Y ☐	N ☐
Comments:		
Holding Time:	Y ☒	N ☐
Comments:		
Temperature: 17°C @1655 12/1- from samples.	Y ☒	N ☒ ee EAH 12/2
Comments:		

Recd within 6hrs of sampling so temp compliant.

Delivered by LaBella so Custody seals N/A.

DAN Noll	12/2/2011 1530	Sampled By / Date/Time
D. Noll	12/2/2011 1600	Relinquished By / Date/Time
Jane J Dasoria	12/2/2011 1600	Received By / Date/Time
Elizabeth A Honcharik	12/2/11 1700	Received @ Lab By / Date/Time

Total Cost: EAH 12/2

P.I.F. ☐

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

Lab Project #: 11-5230A Client: LaBella

Internal Chain of Custody

Sign-Out Log for Refrigerator: C

Sample #	Container Code:	Initials	Date/Time Out:	Date/Time In:
17276	G3	EAH	12/2/11 1720	12/2/11 1730
↓	G1	BB	12/2/11 1729	12/2/11 1735
17277	G3	EAH	12/2/11 1720	12/2/11 1730
↓	G1	BB	12/2/11 1729	12/2/11 1735
17276	G3	EDF	12/5/11 0800	12/5/11 0820
17277	↓	↓	↓	↓
17276	G3	EDF	12/5/11 0900	12/5/11 0915
17277	↓	↓	↓	↓

Lab Project Number	Lab Sample Number	Client/Project Name/Number	Log in Date	Log in Time	Matrix	Log in Init.	pH	Temp	Sample By	Sample Date & Time	Organic Analysis	Metal Analysis	Rotation Tasks	Sub-Out Analysis	Cont. Code
11-5230A	17276	Labella AOC1-CS-8 690 St. Paul St. AOC1-CS-9	12/2	1700	soil	EAH	NA	17°C	Client	12/2	8260 TCL +VOA TICS; 8270 ABN, SVOA TICS, PCB, Pest; TPH 310.13				63, 62
	17277														63
11-5231	17278	[redacted]	ee EAH 12/2	1710	Non Aq Liq										PB
11-5232	17279	[redacted]	12/2	1735	solid	EAH	NA	19°C	Client	12/2	PCB				
	17280														
	17281														
	17282														
	17283														
	17284														MG
11-5233	17285	[redacted]	12/5	945	Soil	NP	NA	20°C	client	12/2		Pb			
	17286														VI-VIO
	17287														
11-5234	17288		12/5	1000	W	NP	<2	80C	client	11/29-12/5	8260 site spec.				A
11-5235	17289		12/5	1030	air	NP	na	na	client	12/2			T Dust		
	17290														
	17291														
	17292														
	17293														
11-5236	17294		12/5	1035	air	NP	na	na	client	12/3			T. Dust		A
	17295														
	17296														
11-5237	17297		12/5	1036	air	NP	na	na	client	12/4			T Dust		A
	17298														
11-5238	17299		12/5	1039	air	NP	na	na	client	12/2			T Dust		A
11-5239	17300		12/5	1045	sludge	NP	na	5°C iced	client	11/30	PCB	TCLP Pb			62, 61 for Asb

Percent Moisture Prep Log

% Moisture = (Wet Weight - Dry Weight) / (Wet weight - Pan Weight)

Date	Container Code	Sample #	Pan Weight	Wet Weight	Dry Weight	Wet Weight - Pan Weight	Percent Moisture	Initials
12/2/2011 cont.	G2	17227	1.57	7.35	6.44	5.78	15.7	JD / BH
	↓	17228	1.60	8.48	7.69	6.88	11.5	↓
	↓	17229	1.58	8.60	7.14	7.02	20.8	↓
	MP	17232	1.60	7.20	5.74	5.60	26.1	↓
	↓	17233	1.58	7.10	5.76	5.52	24.3	↓
	G3	17234	1.58	7.10	2.86	5.52	76.8	↓
	↓	17235	1.60	6.56	4.87	4.96	34.1	↓
	↓	17236	1.60	9.39	6.15	7.79	41.6	↓
	↓	17237	1.59	7.30	4.36	5.71	51.5	↓
	G3	17276	1.56	10.81	10.14	9.25	7.24	EAH
	↓	17277	1.58	12.14	11.35	10.56	7.48	↓
12/5/11	G3	17306	1.58	8.60	7.54	7.02	15.1	cdf
	↓	17324	1.62	8.47	7.93	6.85	7.88	↓
	↓	17325	1.58	8.05	7.57	6.47	7.42	↓
	MG	17285	1.56	8.31	7.91	6.75	5.93	↓
		17285 Dup	1.59	8.19	7.80	6.60	5.91	↓
	↓	17286	1.57	9.06	8.69	7.49	4.94	↓
	↓	17287	1.58	9.08	8.89	7.50	2.53	↓
	G2	17300	1.61	7.19	4.51	5.58	48.0	↓
	↓	17301	1.59	7.24	5.85	5.67	24.9	↓
	↓	17302	1.59	7.51	5.73	5.92	30.1	↓
	↓	17303	1.58	7.64	4.45	6.06	52.6	↓
	MG	17307	1.59	7.76	6.38	6.17	22.4	↓
	↓	17308	1.59	6.98	5.84	5.39	21.2	↓
	G2	17309	1.59	9.97	8.76	8.38	14.4	↓
	G2-1	17321	1.58	8.20	6.95	6.62	18.9	↓
	↓	17322	1.58	8.19	6.73	6.61	22.1	↓
	G2	17328	1.59	8.40	6.96	6.81	21.1	↓
	G2-1	17329	1.59	8.10	6.57	6.51	23.5	↓
12/6/11	MG-1	17378	1.54	8.87	7.13	7.33	23.7	cdf
	MG-2	17379	1.56	6.94	5.59	4.03	33.5	↓
	G2	17381	1.53	7.90	7.48	6.37	6.59	↓
	↓	17382	1.55	6.90	6.41	5.35	9.16	↓
	↓	17383	1.59	7.74	7.08	6.17	10.7	↓
	↓	17384	1.57	8.84	8.50	7.27	4.08	↓
	↓	17385	1.53	8.17	7.77	6.64	6.02	↓
	↓	17386	1.55	7.59	7.27	6.04	5.30	↓
	↓	17387	1.58	8.32	7.67	6.74	9.64	↓
	↓	17388	1.56	9.22	8.41	7.66	10.6	↓
	↓	17389	1.57	8.50	8.29	6.93	3.03	↓

VOLATILE ORGANICS

QC SUMMARY

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Client Project #: 209280

Lab Project #: 11-5230A SDG No.: 17276

Client Project Name: 690 St. Paul St.

Level: (low/med) low

	SAMPLE NO.	SMC1 (PFB)	SMC2 (DCE)	SMC3 (TOL)	SMC4 (BFB)	TOT OUT
01	Soil LRB 12/02	90.8	92.5	87.5	84.9	0
02	Soil LCS 12/02	96.5	96.6	102	102 *	1
03	AOC1-CS-8 17276	80.1 *	79.7	81.7 *	76.8 *	3
04	AOC1-CS-9 17277	92.0	89.3	91.5	87.2	0
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

	QC LIMITS %
SMC1 (PFB) = Pentafluorobenzene	(89.5-117)
SMC2 (DCE) = 1,2-Dichloroethane-d4	(63.6-106)
SMC3 (TOL) = Toluene-d8	(85.0-106)
SMC4 (BFB) = 4-Bromofluorobenzene	(78.8-99.4)

* Values outside of current required QC limits

D System Monitoring Compound diluted out

FORM II VOA-2

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc.

Client Job Site: 690 St. Paul St.
Client Job Number: 209280
Field Location: N/A
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5230A
Lab Sample Number: Soil LCS 12/02
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 12/02/2011

SDG# : 17276

Spiked Compound	Blank Results in ug / Kg	LCS Spiked in ug / Kg	LCS Results in ug / Kg	LCS Percent Recovery	MSD Spiked in ug / Kg	MSD Results in ug / Kg	MSD Percent Recovery	MS / MSD % RPD
1,1-Dichloroethene	< 4.00	100	105	105	N/A	N/A	N/A	N/A
Benzene	< 4.00	100	96.9	96.9	N/A	N/A	N/A	N/A
Trichloroethene	< 4.00	100	90.1	90.1	N/A	N/A	N/A	N/A
Toluene	< 4.00	100	92.1	92.1	N/A	N/A	N/A	N/A
Chlorobenzene	< 4.00	100	92.1	92.1	N/A	N/A	N/A	N/A

ELAP Number 10958 Data File: V93850.D Data File: V93849.D Method: EPA 8260B

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis QC Limits

Limits effective: Oct 27,2011
Through: Dec 31,2011

Spiked Compound	Soil Spike Limits		Soil % RPD Limits		Water Spike Limits		Water % RPD Limits	
	Lower %	Upper %	Lower %	Upper %	Lower %	Upper %	Lower %	Upper %
1,1-Dichloroethene	78.8	110	0	12.9	76.6	109	0	9.91
Benzene	88.5	107	0	11.1	87.6	106	0	12.9
Trichloroethene	85.7	109	0	13.6	84.1	108	0	13.6
Toluene	85.8	107	0	13.2	81.8	110	0	20.7
Chlorobenzene	85.7	105	0	10.6	85.4	104	0	10.4

Surrogate	Soil Surrogate Limits				Water Surrogate Limits			
	Lower %	Upper %			Lower %	Upper %		
Pentafluorobenzene	89.5	117			89.4	116		
1,2-Dichloroethane-d4	63.6	106			65.8	106		
Toluene-D8	85.0	106			87.2	107		
4-Bromofluorobenzene	78.8	99.4			83.6	96.9		

ELAP Number 10958

Method: EPA 8260B

Note: When the lower acceptance limit is calculated to be below 10% recovery, a warning limit of 10% is established. Recoveries between the lower acceptance limit and the warning limit will be investigated, but will not invalidate the batch.

4A

VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

Soil LRB 12/02

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Lab Project #: 11-5230A Client Project #: 209280 SDG No.: 17276

Client Project Name: 690 St. Paul St.

Lab File ID: V93850.D Lab Sample ID: Soil LRB 12/02

Date Analyzed: 12/2/2011 Time Analyzed: 23:06

GC Column: microbore ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: Instrument #1

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	N/A	Soil LCS 12/02	V93849.D	22:42
02	AOC1-CS-8	17276	V93859.D	02:36
03	AOC1-CS-9	17277	V93860.D	03:00
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

COMMENTS:

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE(BFB)

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Lab Project #: 11-5230A Client Project #: 209280 SDG#: 17276

Client Project Name: 690 St. Paul St.

Lab File ID: V93583.D BFB Injection Date: 11/21/2011

Instrument ID: Instrument #1 BFB Injection Time: 12:59

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0-40.0% of mass 95	16.7
75	30.0-60.0% of mass 95	46.9
95	Base peak, 100%relative abundance	100.0
96	5.0-9.0% of mass 95	6.8
173	Less then 2.0% of mass 174	0.0 (0.0)1
174	50.0-100.0% of mass 95	88.8
175	5.0-9.0% of mass 174	6.4 (7.2)1
176	95.0-101.0% of mass 174	86.7 (97.6)1
177	5.0-9.0% of mass176	5.7 (6.6)2

1-Value is % mass 174 2-Value is % mass 176

This check applies to the following Samples, MS, MSD, Blanks & Standards

	Client Sample #	Lab Sample #	Lab File ID	Date Analyzed	Time Analyzed
1	N/A	1ppb mega Cal	V93584.D	11/21/2011	13:22
2	N/A	5ppb mega Cal	V93585.D	11/21/2011	13:45
3	N/A	20ppb mega Cal	V93586.D	11/21/2011	14:08
4	N/A	50ppb mega Cal	V93587.D	11/21/2011	14:31
5	N/A	100ppb mega Cal	V93588.D	11/21/2011	14:54
6	N/A	150ppb mega Cal	V93589.D	11/21/2011	15:17
7	N/A	200ppb mega Cal	V93590.D	11/21/2011	15:40
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE(BFB)

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Lab Project #: 11-5230A Client Project #: 209280 SDG#: 17276

Client Project Name: 690 St. Paul St.

Lab File ID: V93847.D BFB Injection Date: 12/2/2011

Instrument ID: Instrument #1 BFB Injection Time: 21:56

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0-40.0% of mass 95	18.9
75	30.0-60.0% of mass 95	50.1
95	Base peak, 100%relative abundance	100.0
96	5.0-9.0% of mass 95	6.7
173	Less then 2.0% of mass 174	0.5 (0.6)1
174	50.0-100.0% of mass 95	87.7
175	5.0-9.0% of mass 174	6.0 (6.8)1
176	95.0-101.0% of mass 174	83.7 (95.4)1
177	5.0-9.0% of mass176	5.7 (6.8)2

1-Value is % mass 174 2-Value is % mass 176

This check applies to the following Samples, MS, MSD, Blanks & Standards

	Client Sample #	Lab Sample #	Lab File ID	Date Analyzed	Time Analyzed
1	N/A	50ppb mega CC	V93848.D	12/2/2011	22:19
2	N/A	Soil LRB 12/02	V93850.D	12/2/2011	23:06
3	N/A	Soil LCS 12/02	V93849.D	12/2/2011	22:42
4	AOC1-CS-8	17276	V93859.D	12/3/2011	02:36
5	AOC1-CS-9	17277	V93860.D	12/3/2011	03:00
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Lab Project #: 11-5230A Client Project #: 209280 SDG#: 17276

Client Project Name: 690 St. Paul St.

Lab File ID: V93848.D Date Analyzed: 12/2/2011

Instrument ID: Instrument #1 Time Analyzed: 22:19

Heated Purge: Y

		IS1 AREA	FB RT	IS2 AREA	CB RT	IS3 AREA	1,4-DCB RT
	12 HOUR STD	283041	5.08	205566	8.02	104077	10.56
	UPPER LIMIT	566082	5.58	411132	8.52	208154	11.06
	LOWER LIMIT	141521	4.58	102783	7.52	52039	10.06
	LAB SAMPLE#						
1	Soil LRB 12/02	315708	5.08	222704	8.02	115882	10.56
2	Soil LCS 12/02	315150	5.08	222103	8.02	110719	10.56
3	17276	337056	5.08	238553	8.02	122422	10.56
4	17277	347478	5.08	234149	8.02	110595	10.56
5							
6							
7							
8							
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10							
11							
12							
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14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1=Fluorobenzene

IS2=Chlorobenzene-d5

IS3=1,4-Dichlorobenzene-d4

AREA UPPER LIMIT=+100% of internal standard area

AREA LOWER LIMIT=-50% of internal standard area

RT UPPER LIMIT=+.50 minutes of internal standard RT

RT LOWER LIMIT=-.50 minutes of internal standard RT

*Values outside of QC limits

Instrument:	73 VOA
Matrix:	Soil
Date Run:	03/08/2011 - 03/10/2011
Target (in ppb)	0.50
Acetone, 2-CEVE	1.00
TBA	100.00
1,4-dioxane	25.00

	Compound	MDL1 Data File: V82837.D	MDL2 Data File: V82838.D	MDL3 Data File: V82839.D	MDL4 Data File: V82840.D	MDL5 Data File: V82841.D	MDL6 Data File: V82842.D	MDL7 Data File: V82843.D	Standard Deviation	MDL	Pass / Fail 10% Rule	Pass / Fail <Spk. Rule
2	Dichlorodifluoromethane	1.014	1.195	1.183	1.178	1.049	1.194	1.222	0.0814	0.256		
3	Chloromethane	0.419	0.607	0.647	0.638	0.515	0.588	0.593	0.0800	0.251		
4	Vinyl chloride	0.379	0.519	0.474	0.487	0.389	0.527	0.467	0.0584	0.184		
5	Bromomethane	0.506	0.672	0.708	0.656	0.537	0.620	0.599	0.0729	0.229		
6	Chloroethane	0.429	0.532	0.599	0.514	0.339	0.466	0.624	0.0988	0.310		
7	Trichlorofluoromethane	0.434	0.644	0.616	0.627	0.491	0.650	0.620	0.0847	0.266		
8	Ethyl ether	0.344	0.540	0.471	0.528	0.443	0.458	0.441	0.0649	0.204		
9	Freon 113	0.327	0.521	0.574	0.542	0.399	0.528	0.503	0.0885	0.278		
10	1,1-Dichloroethene	0.404	0.488	0.502	0.521	0.395	0.487	0.485	0.0489	0.154		
11	Acetone	5.950	5.160	5.740	5.820	5.140	5.440	5.280	0.3316	1.042		Fail
12	Carbon disulfide	0.329	0.500	0.493	0.508	0.385	0.474	0.479	0.0683	0.215		
13	Methyl acetate	0.892	1.040	0.969	0.732	0.808	0.969	0.700	0.1296	0.407		
14	Methylene chloride	2.439	2.801	2.684	2.673	2.620	2.661	2.555	0.1135	0.357		
15	Acrylonitrile	0.682	0.692	0.813	0.774	0.722	0.706	0.812	0.0558	0.175		
16	tert-Butyl Alcohol	118.860	109.480	101.480	105.220	106.620	110.290	96.460	7.1000	22.315		
17	Methyl tert-butyl Ether	0.406	0.531	0.544	0.582	0.433	0.519	0.570	0.0672	0.211		
18	trans-1,2-Dichloroethene	0.342	0.494	0.542	0.617	0.384	0.491	0.582	0.1001	0.315		
19	1,1-Dichloroethane	0.332	0.535	0.518	0.541	0.384	0.451	0.489	0.0802	0.252		
20	Vinyl acetate	0.399	0.519	0.521	0.577	0.432	0.545	0.488	0.0629	0.198		
21	2,2-Dichloropropane	0.370	0.537	0.495	0.510	0.448	0.488	0.523	0.0570	0.179		
22	2-Butanone	0.696	0.863	0.776	0.760	0.701	0.632	0.809	0.0779	0.245		
23	cis-1,2-Dichloroethene	0.341	0.535	0.493	0.471	0.411	0.461	0.489	0.0634	0.199		
24	Bromochloromethane	0.328	0.538	0.512	0.644	0.428	0.569	0.573	0.1046	0.329		
25	Chloroform	0.352	0.558	0.482	0.548	0.440	0.495	0.510	0.0704	0.221		
26	Pentafluorobenzene	0.382	0.569	0.519	0.547	0.469	0.481	0.499	0.0612	0.192		
27	Tetrahydrofuran	0.650	0.993	0.897	0.959	0.857	0.811	0.746	0.1204	0.378		
28	1,1,1-Trichloroethane	0.362	0.530	0.527	0.522	0.417	0.485	0.536	0.0679	0.213		
29	1,2-Dichloroethane-d4	0.460	0.610	0.569	0.620	0.523	0.536	0.595	0.0568	0.179		
30	Carbon Tetrachloride	0.355	0.526	0.490	0.494	0.353	0.431	0.474	0.0689	0.217		
31	Benzene	0.408	0.573	0.537	0.553	0.425	0.512	0.539	0.0645	0.203		
32	1,2-Dichloroethane	0.381	0.597	0.568	0.590	0.449	0.568	0.537	0.0813	0.255		
33	Trichloroethene	0.388	0.483	0.499	0.542	0.402	0.483	0.514	0.0569	0.179		
34	Methylcyclohexane	0.296	0.399	0.433	0.408	0.343	0.384	0.443	0.0516	0.162		
36	1,2-Dichloropropane	0.394	0.498	0.572	0.582	0.468	0.500	0.480	0.0639	0.201		
38	Dibromomethane	0.385	0.522	0.549	0.512	0.434	0.456	0.499	0.0573	0.180		
39	Bromodichloromethane	0.329	0.454	0.441	0.473	0.381	0.393	0.449	0.0514	0.161		
40	2-Chloroethyl vinyl Ether	2.260	2.450	2.350	2.440	2.370	2.190	2.130	0.1231	0.387		

42	1,1-Dichloropropene	0.331	0.537	0.478	0.557	0.404	0.476	0.503	0.0783	0.246
43	cis-1,3-Dichloropropene	0.278	0.422	0.419	0.415	0.347	0.417	0.426	0.0563	0.177
44	4-Methyl-2-pentanone	0.392	0.481	0.485	0.574	0.415	0.476	0.513	0.0603	0.190
45	Toluene-D8	0.341	0.515	0.456	0.497	0.365	0.454	0.460	0.0648	0.204
46	Toluene	0.448	0.551	0.548	0.574	0.448	0.491	0.554	0.0532	0.167
47	trans-1,3-Dichloropropene	0.302	0.432	0.425	0.422	0.341	0.366	0.354	0.0498	0.157
48	1,1,2-Trichloroethane	0.400	0.567	0.571	0.618	0.478	0.565	0.537	0.0725	0.228
49	1,3-Dichloropropane	0.392	0.569	0.504	0.599	0.429	0.521	0.506	0.0729	0.229
50	Tetrachloroethene	0.325	0.542	0.484	0.487	0.376	0.473	0.469	0.0742	0.233
51	2-Hexanone	0.329	0.457	0.399	0.449	0.281	0.368	0.390	0.0629	0.198
52	Dibromochloromethane	0.254	0.425	0.431	0.483	0.355	0.438	0.436	0.0757	0.238
53	1,2-Dibromoethane	0.375	0.519	0.490	0.585	0.437	0.419	0.484	0.0692	0.217
55	Chlorobenzene	0.378	0.531	0.536	0.578	0.400	0.491	0.530	0.0749	0.236
56	1,1,1,2-Tetrachloroethane	0.361	0.465	0.518	0.460	0.393	0.426	0.466	0.0524	0.165
57	Ethylbenzene	0.339	0.490	0.486	0.483	0.383	0.442	0.464	0.0584	0.183
58	m,p-Xylene	0.653	0.935	0.891	0.959	0.678	0.796	0.908	0.1244	0.391
59	o-Xylene	0.339	0.472	0.417	0.511	0.321	0.452	0.417	0.0686	0.216
60	Styrene	0.307	0.435	0.418	0.451	0.323	0.393	0.367	0.0551	0.173
61	Bromoform	0.346	0.508	0.492	0.457	0.395	0.427	0.482	0.0582	0.183
62	Isopropylbenzene	0.303	0.433	0.396	0.426	0.332	0.385	0.407	0.0485	0.152
63	1,2,3-Trichloropropane	0.462	0.543	0.666	0.660	0.531	0.615	0.672	0.0816	0.257
64	4-Bromofluorobenzene	0.396	0.495	0.439	0.464	0.369	0.459	0.430	0.0426	0.134
65	Bromobenzene	0.345	0.509	0.461	0.493	0.342	0.473	0.466	0.0688	0.216
66	1,1,2,2-Tetrachloroethane	0.455	0.588	0.582	0.645	0.449	0.537	0.582	0.0727	0.229
67	n-Propylbenzene	0.297	0.414	0.384	0.439	0.317	0.379	0.382	0.0503	0.158
68	2-Chlorotoluene	0.407	0.463	0.518	0.441	0.316	0.432	0.522	0.0705	0.222
69	4-Chlorotoluene	0.431	0.493	0.517	0.566	0.331	0.384	0.735	0.1332	0.419
70	1,3,5-Trimethylbenzene	0.380	0.393	0.442	0.430	0.280	0.331	0.461	0.0648	0.204
71	tert-Butylbenzene	0.400	0.473	0.480	0.476	0.306	0.402	0.530	0.0742	0.233
72	1,2,4-Trimethylbenzene	0.369	0.416	0.444	0.460	0.315	0.358	0.445	0.0543	0.171
73	sec-Butylbenzene	0.325	0.430	0.419	0.430	0.283	0.396	0.428	0.0596	0.187
74	p-Isopropyltoluene	0.419	0.458	0.497	0.483	0.351	0.417	0.497	0.0535	0.168
76	1,3-Dichlorobenzene	0.323	0.497	0.480	0.454	0.384	0.422	0.504	0.0662	0.208
77	1,4-Dichlorobenzene	0.342	0.497	0.518	0.538	0.402	0.467	0.481	0.0689	0.217
78	n-Butylbenzene	0.336	0.403	0.405	0.398	0.316	0.353	0.411	0.0387	0.122
79	1,2-Dichlorobenzene	0.374	0.503	0.449	0.468	0.377	0.391	0.476	0.0523	0.164
81	1,2-Dibromo-3-Chloropropa	0.485	0.625	0.537	0.550	0.458	0.725	0.492	0.0935	0.294
82	1,2,4-Trichlorobenzene	0.329	0.420	0.430	0.377	0.301	0.306	0.389	0.0529	0.166
83	1,2,3-Trichlorobenzene	0.317	0.431	0.435	0.411	0.299	0.325	0.422	0.0603	0.190
84	Hexachlorobutadiene	0.347	0.483	0.512	0.493	0.371	0.503	0.498	0.0686	0.216
85	Naphthalene	0.400	0.456	0.463	0.471	0.350	0.441	0.468	0.0447	0.141
86	Cyclohexane	0.300	0.462	0.518	0.445	0.431	0.527	0.455	0.0749	0.235
87	1,4-dioxane	34.610	29.760	35.390	25.120	31.740	28.670	31.290	3.5226	11.071

VOLATILE ORGANICS

SAMPLE DATA

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc.

Client Job Site: 690 St. Paul St.
Client Job Number: 209280
Field Location: AOC1-CS-8
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5230A
Lab Sample Number: 17276
Date Sampled: 12/02/2011
Date Received: 12/02/2011
Date Analyzed: 12/03/2011

Halocarbons	Results in ug / Kg
Bromodichloromethane	< 4.05
Bromomethane	< 4.05
Bromoform	< 10.1
Carbon Tetrachloride	< 4.05
Chloroethane	< 4.05
Chloromethane	< 4.05
2-Chloroethyl vinyl Ether	< 20.3
Chloroform	< 4.05
Dibromochloromethane	< 4.05
1,1-Dichloroethane	< 4.05
1,2-Dichloroethane	< 4.05
1,1-Dichloroethene	< 4.05
cis-1,2-Dichloroethene	< 4.05
trans-1,2-Dichloroethene	< 4.05
1,2-Dichloropropane	< 4.05
cis-1,3-Dichloropropene	< 4.05
trans-1,3-Dichloropropene	< 4.05
Methylene chloride	< 10.1
1,1,2,2-Tetrachloroethane	< 4.05
Tetrachloroethene	< 4.05
1,1,1-Trichloroethane	< 4.05
1,1,2-Trichloroethane	< 4.05
Trichloroethene	< 4.05
Trichlorofluoromethane	< 4.05
Vinyl chloride	< 4.05

Aromatics	Results in ug / Kg
Benzene	< 4.05
Chlorobenzene	< 4.05
Ethylbenzene	< 4.05
Toluene	< 4.05
m,p-Xylene	< 4.05
o-Xylene	< 4.05
Styrene	< 10.1
1,2-Dichlorobenzene	< 4.05
1,3-Dichlorobenzene	< 4.05
1,4-Dichlorobenzene	< 4.05

Ketones	Results in ug / Kg
Acetone	B 28.7
2-Butanone	< 20.3
2-Hexanone	< 10.1
4-Methyl-2-pentanone	< 10.1

Miscellaneous	Results in ug / Kg
Carbon disulfide	13.2
Vinyl acetate	< 10.1

ELAP Number 10958 Method: EPA 8260B Data File: V93859.D

Comments: ug / Kg = microgram per Kilogram
Surrogate outliers indicate probable matrix interference

Signature: _____
Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc.

Client Job Site: 690 St. Paul St.
Client Job Number: 209280
Field Location: AOC1-CS-8
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5230A
Lab Sample Number: 17276
Date Sampled: 12/02/2011
Date Received: 12/02/2011
Date Analyzed: 12/03/2011

Tentatively Identified Compounds	CAS Number	Retention Time	Results in ug / Kg	Percent Fit
Unknown Cyclohexane	N/A	6.88	60.8	N/A
Unknown Cyclohexane	N/A	7.42	13.9	N/A
Unknown Cyclohexane	N/A	7.75	19.8	N/A
Unknown Cyclohexane	N/A	8.65	23.7	N/A
Unknown	N/A	8.90	11.0	N/A
Unknown	N/A	9.00	15.0	N/A
Unknown	N/A	9.17	12.3	N/A
Unknown	N/A	9.61	15.8	N/A
Unknown	N/A	9.68	22.1	N/A
Unknown Cyclohexane	N/A	9.80	11.5	N/A
Unknown	N/A	9.87	10.4	N/A
Unknown	N/A	11.69	33.9	N/A
Unknown	N/A	11.93	27.7	N/A
Unknown	N/A	12.52	15.9	N/A

ELAP Number 10958 Method: EPA 8260B Data File: V93859.D

Comments: ug / Kg = microgram per Kilogram

Surrogate outliers indicate probable matrix interference

Signature: _____
Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

LaBella 5230A Quantitation Report (QT Reviewed) "B"

Data File: C:\msdchem\1\DATA\111202\V93859.D
DataAcq Meth:8260RUN.M
Acq On : 3 Dec 2011 2:36 am
Sample : SOIL #172476
Misc : Soil 2.66g
ALS Vial : 38 Sample Multiplier: 1

Operator: Bill Brew
Inst : Instrument #1

Quant Time: Dec 05 11:06:58 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Dec 05 11:00:45 2011
Response via : Initial Calibration
Integrator: RTE

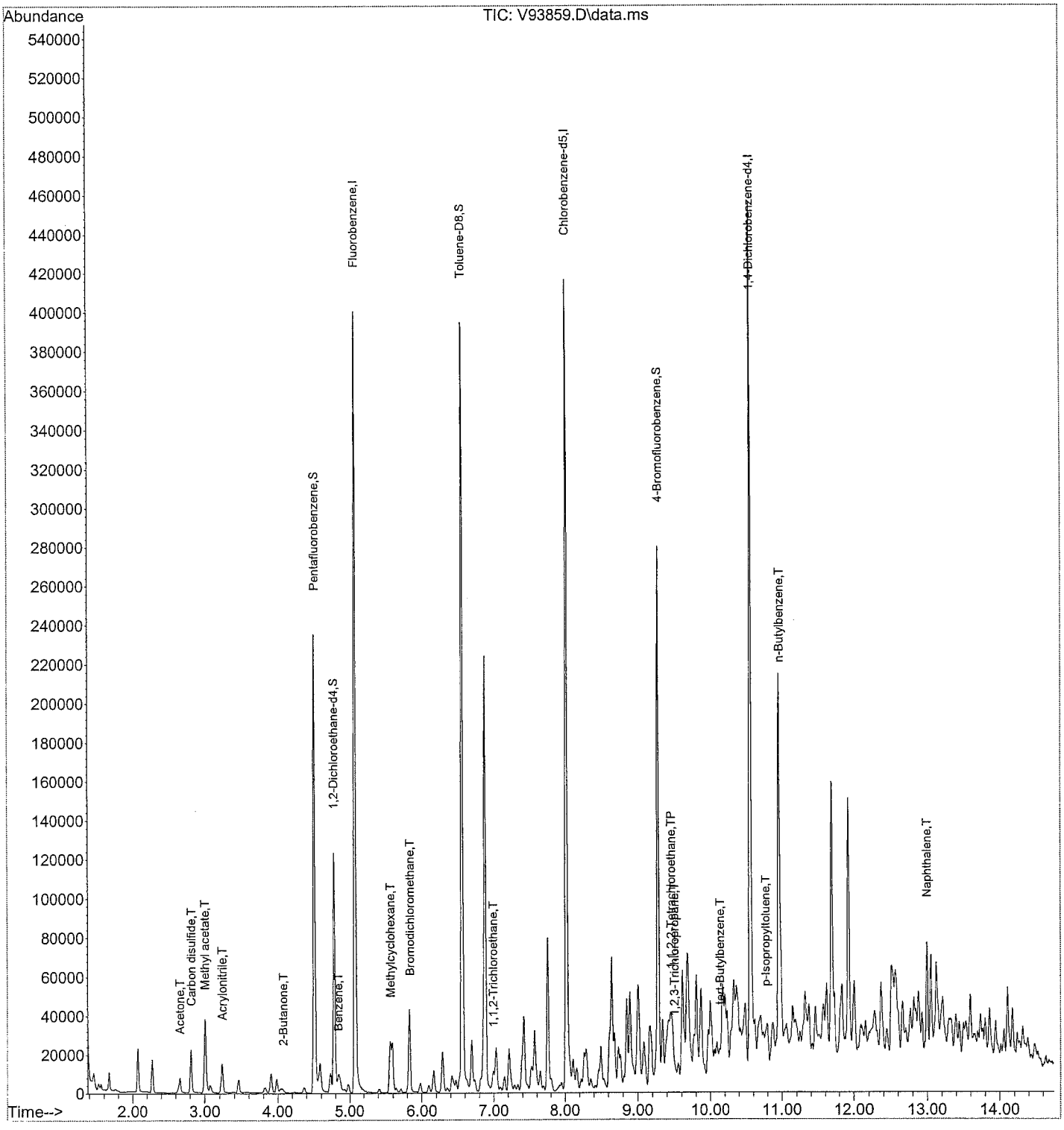
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.081	96	337056	50.00	ug/L	0.00
54) Chlorobenzene-d5	8.021	117	238553	50.00	ug/L	0.00
75) 1,4-Dichlorobenzene-d4	10.562	152	122422	50.00	ug/L	0.00
System Monitoring Compounds						
26) Pentafluorobenzene	4.510	168	145324	40.06	ug/L	0.00
Spiked Amount 50.000	Range 90 - 117		Recovery = 80.12%#			
29) 1,2-Dichloroethane-d4	4.776	65	79513	39.85	ug/L	0.00
Spiked Amount 50.000	Range 64 - 106		Recovery = 79.70%			
45) Toluene-D8	6.559	98	257460	40.83	ug/L	0.00
Spiked Amount 50.000	Range 85 - 106		Recovery = 81.66%#			
64) 4-Bromofluorobenzene	9.281	95	96784	38.40	ug/L	0.00
Spiked Amount 50.000	Range 79 - 99		Recovery = 76.80%#			
Target Compounds						Qvalue
11) Acetone	2.658	43	8266	14.17	ug/L	95
12) Carbon disulfide	2.813	76	26333	6.53	ug/L	99
13) Methyl acetate	2.999	43	6833	7.76	ug/L #m	56
14) Methylene chloride	3.010	84	11540	Below Cal		98
15) Acrylonitrile	3.234	53	337	0.74	ug/L #	21
22) 2-Butanone	4.072	72	188	1.01	ug/L #	1
31) Benzene	4.835	78	4653	0.70	ug/L	96
34) Methylcyclohexane	5.561	83	5048	1.63	ug/L #m	15
39) Bromodichloromethane	5.838	83	1009	0.42	ug/L #	97
48) 1,1,2-Trichloroethane	6.991	97	3491	2.27	ug/L #m	59
63) 1,2,3-Trichloropropane	9.500	110	280	0.52	ug/L #	1
66) 1,1,2,2-Tetrachloroethane	9.457	83	2976	1.73	ug/L #m	76
71) tert-Butylbenzene	10.129	134	596	0.38	ug/L #	70
74) p-Isopropyltoluene	10.775	119	6808	0.91	ug/L	92
78) n-Butylbenzene	10.967	91	3929	0.52	ug/L #	51
85) Naphthalene	12.995	128	4185	0.60	ug/L #	50

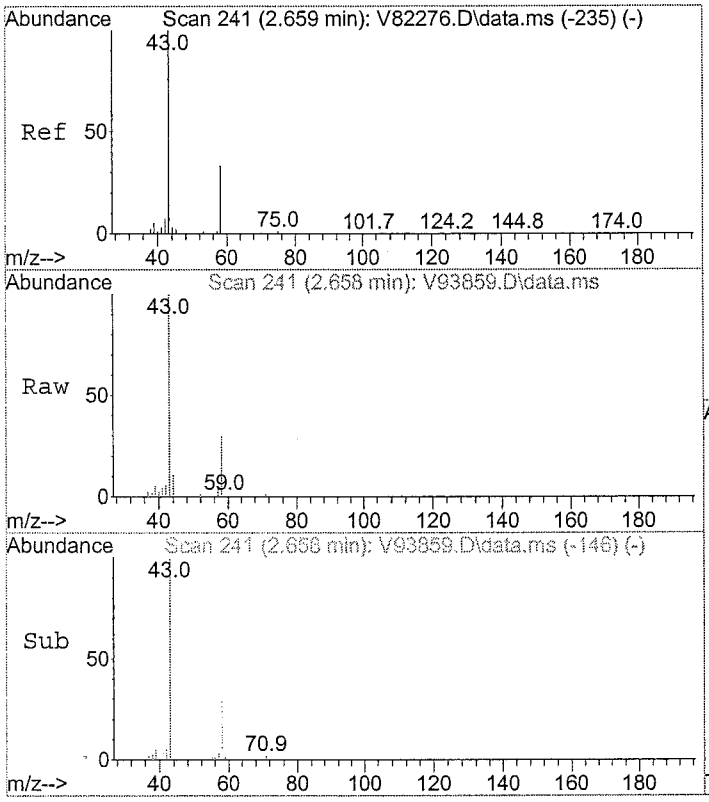
(#) = qualifier out of range (m) = manual integration (+) = signals summed

12/5 B13

Data File: C:\msdchem\1\DATA\111202\V93859.D
DataAcq Meth:8260RUN.M
Acq On : 3 Dec 2011 2:36 am Operator: Bill Brew
Sample : SOIL #17276 Inst : Instrument #1
Misc : Soil 2.66g
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Dec 05 11:06:58 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Dec 05 11:00:45 2011
Response via : Initial Calibration
Integrator: RTE

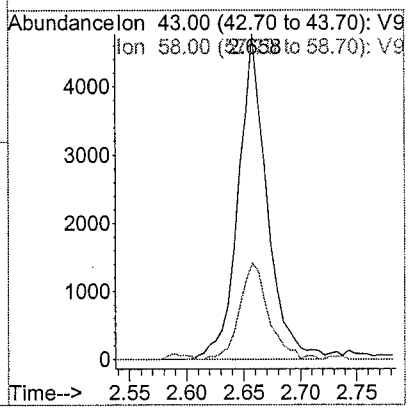




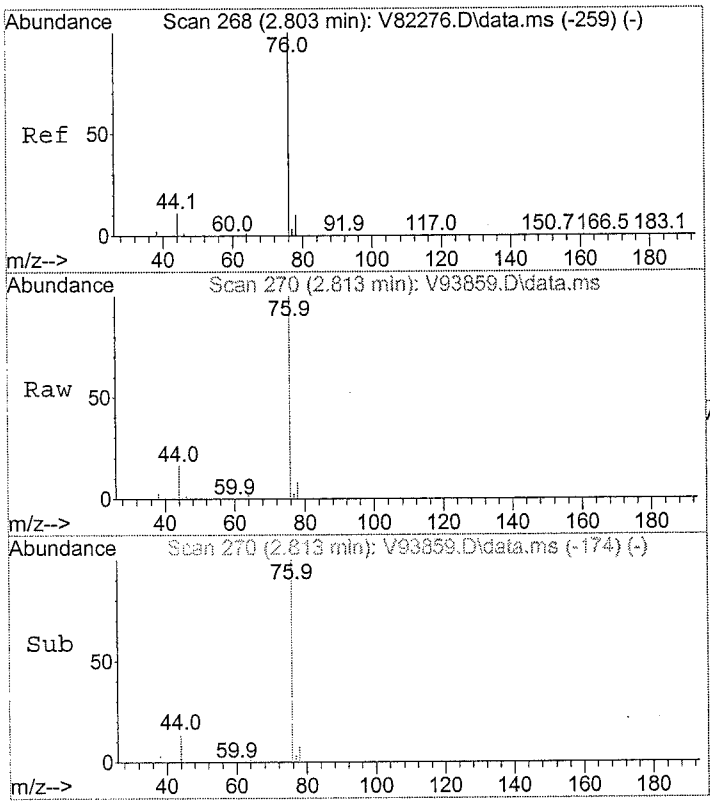
#11
Acetone
Concen: 14.17 ug/L
RT: 2.658 min Scan# 241
Delta R.T. 0.006 min
Lab File: V93859.D
Acq: 3 Dec 2011 2:36 am

Tgt Ion: 43 Resp: 8266

Ion	Ratio	Lower	Upper
43	100		
58	29.7	12.6	52.6



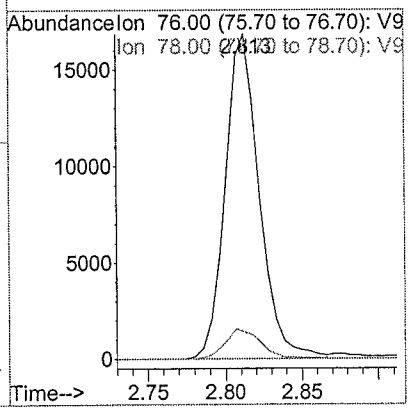
12/5 BB



#12
Carbon disulfide
Concen: 6.53 ug/L
RT: 2.813 min Scan# 270
Delta R.T. 0.011 min
Lab File: V93859.D
Acq: 3 Dec 2011 2:36 am

Tgt Ion: 76 Resp: 26333

Ion	Ratio	Lower	Upper
76	100		
78	9.3	0.0	29.5



Data Path : C:\msdchem\1\DATA\111202\
Data File : V93859.D
Acq On : 3 Dec 2011 2:36 am
Operator : Bill Brew
Sample : SOIL #17276
Misc : Soil 2.66g
ALS Vial : 38 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
Methylene Chloride	3.005	5.1	ug/L	70506	1	5.081	697377	50.0
Cyclohexane, 1,...	6.879	30.0	ug/L	429420	2	8.021	715553	50.0
Cyclohexane, 1,...	7.418	6.9	ug/L	98399	2	8.021	715553	50.0
Cyclohexane, 1,...	7.754	9.8	ug/L	139945	2	8.021	715553	50.0
Cyclohexane, 1-...	8.646	11.7	ug/L	167697	2	8.021	715553	50.0
Bicyclo[3.3.1]n...	8.896	5.4	ug/L	77646	2	8.021	715553	50.0
Cyclopentane, 2...	9.003	7.4	ug/L	106220	2	8.021	715553	50.0
2-Amino-5-methy...	9.169	6.0	ug/L	86522	2	8.021	715553	50.0
1-Methyl-4-(1-m...	9.612	7.8	ug/L	122125	3	10.562	783696	50.0
1-Chloro-4-meth...	9.681	10.9	ug/L	170804	3	10.562	783696	50.0
Cyclohexane, (2...	9.804	5.7	ug/L	88806	3	10.562	783696	50.0
Cyclooctane, 1,...	9.868	5.1	ug/L	80285	3	10.562	783696	50.0
Pulegone	11.688	16.7	ug/L	262519	3	10.562	783696	50.0
Naphthalene, de...	11.928	13.7	ug/L	214187	3	10.562	783696	50.0
Naphthalene, 1,...	12.515	7.9	ug/L	123354	3	10.562	783696	50.0

Data Path : C:\msdchem\1\DATA\111202\
Data File : V93859.D
Acq On : 3 Dec 2011 2:36 am
Operator : Bill Brew
Sample : SOIL #17276
Misc : Soil 2.66g
ALS Vial : 38 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\112111.M
Title : 8260/624 Analysis

Signal : TIC: V93859.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.462	12	17	25	rVB2	8184	16576	2.12%	0.179%
2	1.670	50	56	64	rVB	9065	12592	1.61%	0.136%
3	2.071	124	131	140	rBV	22197	34158	4.36%	0.368%
4	2.274	164	169	177	rBV	16855	25205	3.22%	0.272%
5	2.658	230	241	253	rVB	7588	15515	1.98%	0.167%
6	2.813	263	270	280	rBV	22022	34787	4.44%	0.375%
7	3.005	297	306	316	rBV2	37763	70506	9.00%	0.760%
8	3.234	339	349	357	rBV	14786	26424	3.37%	0.285%
9	3.458	385	391	398	rBV3	6406	11103	1.42%	0.120%
10	3.907	467	475	482	rBV	9810	19004	2.42%	0.205%
11	3.981	483	489	495	rBV3	6607	11335	1.45%	0.122%
12	4.504	579	587	595	rBV	234827	396549	50.60%	4.274%
13	4.584	596	602	614	rVB3	14604	33788	4.31%	0.364%
14	4.723	622	628	632	rBV2	9615	18043	2.30%	0.194%
15	4.776	632	638	646	rVV	121957	209521	26.73%	2.258%
16	4.846	646	651	663	rVB3	8229	22998	2.93%	0.248%
17	5.081	686	695	710	rBV	399987	697377	88.99%	7.517%
18	5.561	777	785	788	rBV2	26344	52259	6.67%	0.563%
19	5.833	826	836	848	rBV	42668	80493	10.27%	0.868%
20	5.983	857	864	871	rVB2	4735	9187	1.17%	0.099%
21	6.164	891	898	905	rVB3	10793	19583	2.50%	0.211%
22	6.287	911	921	929	rBV2	20839	42015	5.36%	0.453%
23	6.415	939	945	953	rBV4	7878	20602	2.63%	0.222%
24	6.559	960	972	990	rBV	392253	676237	86.29%	7.289%
25	6.692	990	997	1003	rBV	23795	42607	5.44%	0.459%
26	6.820	1014	1021	1022	rBV2	6725	10741	1.37%	0.116%
27	6.879	1022	1032	1045	rVV	222653	429420	54.79%	4.629%
28	6.991	1048	1053	1056	rVV2	9719	18147	2.32%	0.196%
29	7.034	1056	1061	1069	rVB3	21343	44503	5.68%	0.480%
30	7.151	1076	1083	1088	rVB4	6897	12012	1.53%	0.129%
31	7.215	1088	1095	1105	rBV	21153	43169	5.51%	0.465%
32	7.418	1121	1133	1146	rBV3	37789	98399	12.56%	1.061%
33	7.525	1146	1153	1156	rVV5	11596	24649	3.15%	0.266%
34	7.568	1156	1161	1172	rVV3	29764	67865	8.66%	0.732%
35	7.653	1172	1177	1181	rVB4	8522	14493	1.85%	0.156%

Data Path : C:\msdchem\1\DATA\111202\
Data File : V93859.D
Acq On : 3 Dec 2011 2:36 am
Operator : Bill Brew
Sample : SOIL #17276
Misc : Soil 2.66g
ALS Vial : 38 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\112111.M
Title : 8260/624 Analysis

36	7.754	1189	1196	1203	rBV	78036	139945	17.86%	1.508%
37	8.021	1238	1246	1258	rBV	414509	715553	91.30%	7.713%
38	8.112	1258	1263	1268	rVV3	14949	31067	3.96%	0.335%
39	8.160	1268	1272	1279	rVV3	10344	20419	2.61%	0.220%
40	8.267	1287	1292	1295	rVV3	18331	35333	4.51%	0.381%
41	8.293	1295	1297	1305	rVV5	19990	36112	4.61%	0.389%
42	8.470	1323	1330	1331	rBV3	9177	13035	1.66%	0.141%
43	8.496	1331	1335	1341	rVB	17188	28415	3.63%	0.306%
44	8.646	1351	1363	1368	rBV2	66628	167697	21.40%	1.808%
45	8.736	1375	1380	1383	rBV2	16016	26698	3.41%	0.288%
46	8.854	1396	1402	1406	rBV3	40157	69429	8.86%	0.748%
47	8.896	1406	1410	1422	rVB2	42103	77646	9.91%	0.837%
48	9.003	1422	1430	1439	rBV7	45711	106220	13.55%	1.145%
49	9.083	1439	1445	1454	rVB7	21839	53015	6.76%	0.571%
50	9.169	1454	1461	1470	rBV4	30089	86522	11.04%	0.933%
51	9.281	1471	1482	1489	rBV	270656	467282	59.63%	5.037%
52	9.339	1489	1493	1498	rVB3	22498	33777	4.31%	0.364%
53	9.425	1498	1509	1511	rBV5	22331	59959	7.65%	0.646%
54	9.612	1537	1544	1551	rBV3	53527	122125	15.58%	1.316%
55	9.681	1551	1557	1569	rVV5	60050	170804	21.79%	1.841%
56	9.772	1569	1574	1575	rVV3	17476	25185	3.21%	0.271%
57	9.804	1575	1580	1586	rVV3	47150	88806	11.33%	0.957%
58	9.868	1586	1592	1600	rVB4	39190	80285	10.24%	0.865%
59	9.969	1605	1611	1612	rBV2	22549	29096	3.71%	0.314%
60	9.996	1613	1616	1624	rVB4	28652	57115	7.29%	0.616%
61	10.167	1642	1648	1652	rBV8	33616	71244	9.09%	0.768%
62	10.327	1673	1678	1681	rBV4	24211	41697	5.32%	0.449%
63	10.562	1714	1722	1731	rBV	440032	783696	100.00%	8.447%
64	10.706	1738	1749	1753	rBV6	16999	55430	7.07%	0.597%
65	10.882	1773	1782	1787	rBV6	19360	54324	6.93%	0.586%
66	10.962	1791	1797	1808	rVV2	188490	387338	49.42%	4.175%
67	11.143	1828	1831	1836	rBV4	13299	21637	2.76%	0.233%
68	11.314	1855	1863	1870	rBV6	24273	62545	7.98%	0.674%
69	11.463	1886	1891	1898	rBV2	20018	40308	5.14%	0.434%
70	11.570	1906	1911	1915	rBV6	16022	31353	4.00%	0.338%
71	11.618	1915	1920	1926	rVB7	29691	52987	6.76%	0.571%
72	11.688	1926	1933	1939	rBV2	132796	262519	33.50%	2.830%
73	11.837	1952	1961	1967	rBV2	31123	78364	10.00%	0.845%

Data Path : C:\msdchem\1\DATA\111202\
Data File : V93859.D
Acq On : 3 Dec 2011 2:36 am
Operator : Bill Brew
Sample : SOIL #17276
Misc : Soil 2.66g
ALS Vial : 38 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\112111.M
Title : 8260/624 Analysis

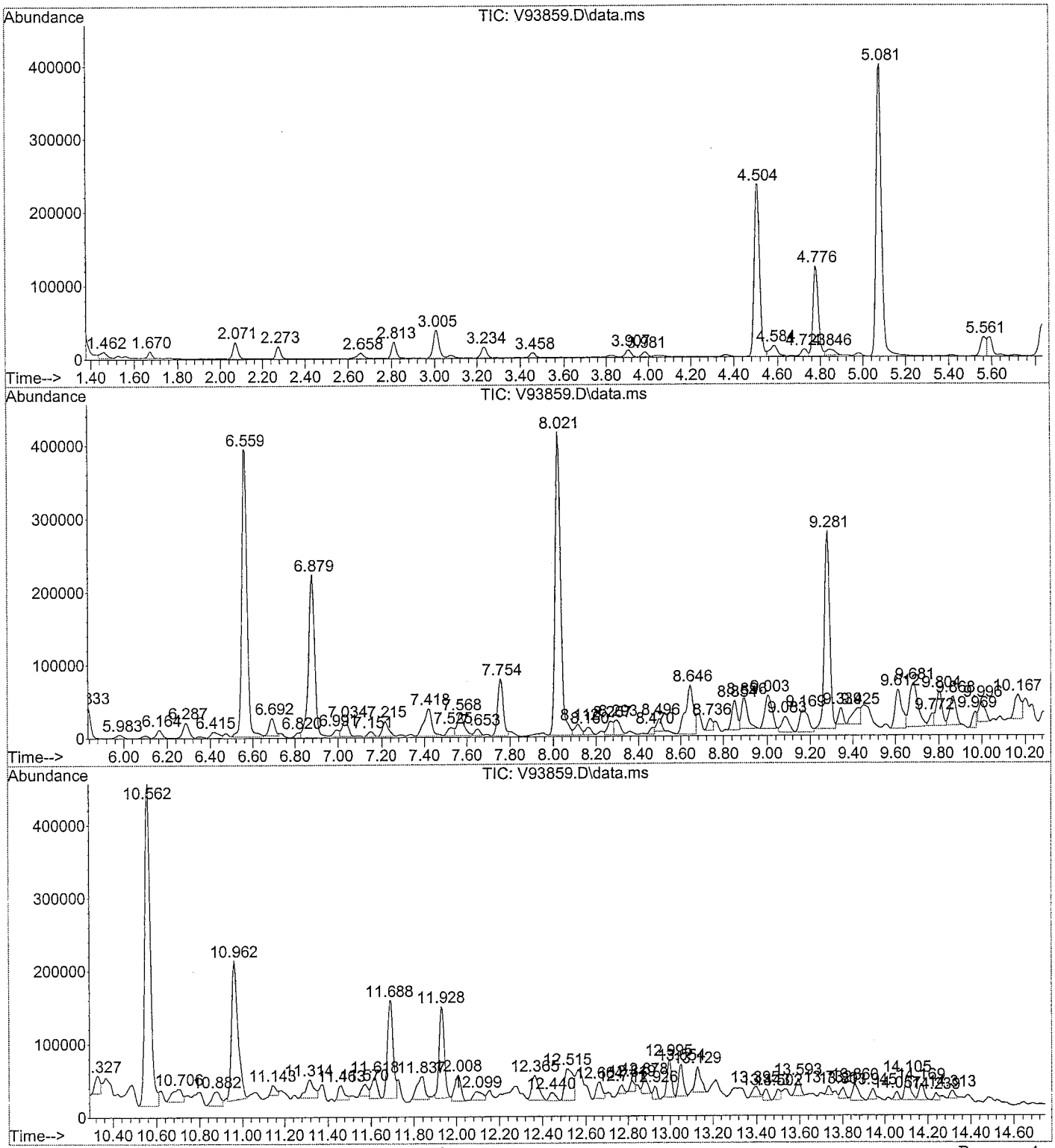
74	11.928	1972	1978	1986	rVB4	124462	214187	27.33%	2.309%
75	12.008	1987	1993	2000	rVB6	35355	72698	9.28%	0.784%
76	12.099	2004	2010	2017	rBV7	11808	34138	4.36%	0.368%
77	12.365	2054	2060	2070	rVB7	34012	75158	9.59%	0.810%
78	12.440	2070	2074	2081	rVB8	11130	22526	2.87%	0.243%
79	12.515	2082	2088	2094	rBV4	42955	123354	15.74%	1.330%
80	12.664	2111	2116	2121	rBV4	22033	42932	5.48%	0.463%
81	12.771	2132	2136	2140	rBV4	11856	16206	2.07%	0.175%
82	12.819	2141	2145	2148	rBV3	15154	22828	2.91%	0.246%
83	12.878	2153	2156	2162	rVB4	21158	35231	4.50%	0.380%
84	12.926	2163	2165	2170	rVB2	18124	20971	2.68%	0.226%
85	12.995	2173	2178	2184	rBV2	50977	76011	9.70%	0.819%
86	13.054	2184	2189	2195	rBV3	43295	66996	8.55%	0.722%
87	13.129	2199	2203	2211	rVB4	34222	60433	7.71%	0.651%
88	13.395	2248	2253	2258	rBV5	14231	26309	3.36%	0.284%
89	13.443	2259	2262	2267	rVB4	15531	22164	2.83%	0.239%
90	13.502	2268	2273	2275	rBV5	14267	22169	2.83%	0.239%
91	13.593	2285	2290	2296	rBV6	23091	36013	4.60%	0.388%
92	13.732	2313	2316	2320	rBV	12027	16193	2.07%	0.175%
93	13.801	2325	2329	2334	rVB4	15041	22698	2.90%	0.245%
94	13.860	2336	2340	2349	rVB4	22935	43372	5.53%	0.468%
95	13.945	2351	2356	2359	rBV3	14944	21575	2.75%	0.233%
96	14.057	2373	2377	2381	rVB3	11201	15077	1.92%	0.163%
97	14.105	2381	2386	2393	rBV3	32712	55647	7.10%	0.600%
98	14.169	2394	2398	2405	rVB3	21887	34650	4.42%	0.373%
99	14.239	2407	2411	2414	rBV	9997	13734	1.75%	0.148%
100	14.313	2421	2425	2430	rBV5	10782	17254	2.20%	0.186%

Sum of corrected areas: 9277368

Data Path : C:\msdchem\1\DATA\111202\
Data File : V93859.D
Acq On : 3 Dec 2011 2:36 am
Operator : Bill Brew
Sample : SOIL #17276
Misc : Soil 2.66g
ALS Vial : 38 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P



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****
Peak Number 1 Methylene Chloride Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.005	5.06 ug/L	70506	Fluorobenzene	5.081

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene Chloride	84	CH2Cl2	000075-09-2	95
2	Methylene Chloride	84	CH2Cl2	000075-09-2	91
3	Methylene Chloride	84	CH2Cl2	000075-09-2	91
4	Methylene Chloride	84	CH2Cl2	000075-09-2	46
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	4

****
Peak Number 2 Cyclohexane, 1,2-dimethyl-,... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.879	30.01 ug/L	429420	Chlorobenzene-d5	8.021

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
2	Cyclohexane, 1,2-dimethyl-	112	C8H16	000583-57-3	94
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
5	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	90

unkn. cyclohexane 12/5 B,3

****
Peak Number 3 Cyclohexane, 1,2-dimethyl-,... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.418	6.88 ug/L	98399	Chlorobenzene-d5	8.021

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	94
2	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	94
3	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	87
4	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	87
5	Cyclohexane, 1,2-dimethyl-	112	C8H16	000583-57-3	87

unkn. cyclohexane

****
Peak Number 4 Cyclohexane, 1,2,4-trimethy... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.

Data Path : C:\msdchem\1\DATA\111202\
Data File : V93859.D
Acq On : 3 Dec 2011 2:36 am
Operator : Bill Brew
Sample : SOIL #17276
Misc : Soil 2.66g
ALS Vial : 38 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

7.754 9.78 ug/L 139945 Chlorobenzene-d5 8.021

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	96
2	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	94
3	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	94
4	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	90
5	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	90

unkn. cydohex.

****
Peak Number 5 Cyclohexane, 1-ethyl-2-meth... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.646	11.72 ug/L	167697	Chlorobenzene-d5	8.021

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	94
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	90
3	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	90
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	90
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	87

unkn. cydohex.

****
Peak Number 6 Bicyclo[3.3.1]nonane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.898	5.43 ug/L	77646	Chlorobenzene-d5	8.021

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	72
2	1-Octadecyne	250	C18H34	000629-89-0	53
3	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	52
4	Cyclohexanone, 3-ethenyl-	124	C8H12O	001740-63-2	47
5	Cyclopentane, ethylidene-	96	C7H12	002146-37-4	43

unkn.

****
Peak Number 7 Cyclopentane, 2-isopropyl-1... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.003	7.42 ug/L	106220	Chlorobenzene-d5	8.021

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 2-isopropyl-1,3-di...	140	C10H20	032281-85-9	43

unkn

Data Path : C:\msdchem\1\DATA\111202\
Data File : V93859.D
Acq On : 3 Dec 2011 2:36 am
Operator : Bill Brew
Sample : SOIL #17276
Misc : Soil 2.66g
ALS Vial : 38 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

2	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9 43
3	2-Heptenal, 2-methyl-	126	C8H14O	030567-26-1 38
4	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9 38
5	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6 27

****
Peak Number 8 2-Amino-5-methyl-4-oxo-3,4-... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.169	6.05 ug/L	86522	Chlorobenzene-d5	8.021

unkn

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Amino-5-methyl-4-oxo-3,4-dihyd...	125	C5H7N3O	015981-91-6	41
2	Cyclooctane, 1-methyl-3-propyl-	168	C12H24	1000151-39-4	38
3	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004863-59-6	30
4	Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	25
5	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	006069-97-2	20

****
Peak Number 9 1-Methyl-4-(1-methylethyl)-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.612	7.79 ug/L	122125	1,4-Dichlorobenzene-d4	10.562

unkn

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	38
2	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	35
3	Cyclopropanemethanol, 2,2,3,3-te...	128	C8H16O	002415-96-5	35
4	m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	30
5	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	30

****
Peak Number 10 1-Chloro-4-methylcyclohexane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.681	10.90 ug/L	170804	1,4-Dichlorobenzene-d4	10.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Chloro-4-methylcyclohexane	132	C7H13Cl	000931-68-0	47
2	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	43
3	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	38
4	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	38
5	Cyclohexene,4-butyl-	138	C10H18	021524-26-5	37

unkn.

Data Path : C:\msdchem\1\DATA\111202\
Data File : V93859.D
Acq On : 3 Dec 2011 2:36 am
Operator : Bill Brew
Sample : SOIL #17276
Misc : Soil 2.66g
ALS Vial : 38 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Cyclohexane, (2-methylpropyl)- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.804	5.67 ug/L	88806	1,4-Dichlorobenzene-d4	10.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	91
2	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	83
3	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	74
4	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	74
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	52

unkn-cyclohex.

****
Peak Number 12 Cyclooctane, 1,2-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.868	5.12 ug/L	80285	1,4-Dichlorobenzene-d4	10.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctane, 1,2-dimethyl-	140	C10H20	013151-94-5	64
2	1R,2c,3t,4t-Tetramethyl-cyclohexane	140	C10H20	1000144-07-3	64
3	4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	58
4	Cyclodecane	140	C10H20	000293-96-9	46
5	4-Octene, 2,6-dimethyl-, [S-(Z)]-	140	C10H20	062960-77-4	43

unkn.

****
Peak Number 13 Pulegone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.688	16.75 ug/L	262519	1,4-Dichlorobenzene-d4	10.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pulegone	152	C10H16O	000089-82-7	55
2	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	42
3	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	42
4	Pulegone	152	C10H16O	000089-82-7	42
5	2-Iodoadamantane	262	C10H15I	1000210-25-2	38

unkn.

****
Peak Number 14 Naphthalene, decahydro-2-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.

Data Path : C:\msdchem\1\DATA\111202\
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Acq On : 3 Dec 2011 2:36 am
Operator : Bill Brew
Sample : SOIL #17276
Misc : Soil 2.66g
ALS Vial : 38 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.928	13.67 ug/L	214187	1,4-Dichlorobenzene-d4	10.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	96
2	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	96
3	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	81
4	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	72
5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	70

unkn.

****

Peak Number 15 Naphthalene, 1,2,3,4,4a,5,6... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.515	7.87 ug/L	123354	1,4-Dichlorobenzene-d4	10.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4,4a,5,6,7-oc...	150	C11H18	013943-77-6	80
2	3,9-Epoxy-p-mentha-1,8(10)-diene	150	C10H14O	1000111-14-8	76
3	Cyclohexanone, 2-(2-butynyl)-	150	C10H14O	054166-48-2	70
4	3,4-Diethylphenol	150	C10H14O	000875-85-4	55
5	Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	53

unkn.

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc.

Client Job Site: 690 St. Paul St.
Client Job Number: 209280
Field Location: AOC1-CS-9
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5230A
Lab Sample Number: 17277
Date Sampled: 12/02/2011
Date Received: 12/02/2011
Date Analyzed: 12/03/2011

Halocarbons	Results in ug / Kg
Bromodichloromethane	< 4.27
Bromomethane	< 4.27
Bromoform	< 10.7
Carbon Tetrachloride	< 4.27
Chloroethane	< 4.27
Chloromethane	< 4.27
2-Chloroethyl vinyl Ether	< 21.4
Chloroform	< 4.27
Dibromochloromethane	< 4.27
1,1-Dichloroethane	< 4.27
1,2-Dichloroethane	< 4.27
1,1-Dichloroethene	5.27
cis-1,2-Dichloroethene	271
trans-1,2-Dichloroethene	J 3.17
1,2-Dichloropropane	< 4.27
cis-1,3-Dichloropropene	< 4.27
trans-1,3-Dichloropropene	< 4.27
Methylene chloride	< 10.7
1,1,2,2-Tetrachloroethane	< 4.27
Tetrachloroethene	< 4.27
1,1,1-Trichloroethane	< 4.27
1,1,2-Trichloroethane	< 4.27
Trichloroethene	186
Trichlorofluoromethane	< 4.27
Vinyl chloride	36.6

Aromatics	Results in ug / Kg
Benzene	< 4.27
Chlorobenzene	< 4.27
Ethylbenzene	J 2.45
Toluene	< 4.27
m,p-Xylene	< 4.27
o-Xylene	< 4.27
Styrene	< 10.7
1,2-Dichlorobenzene	< 4.27
1,3-Dichlorobenzene	< 4.27
1,4-Dichlorobenzene	< 4.27

Ketones	Results in ug / Kg
Acetone	J B 13.4
2-Butanone	< 21.4
2-Hexanone	< 10.7
4-Methyl-2-pentanone	< 10.7

Miscellaneous	Results in ug / Kg
Carbon disulfide	J 2.68
Vinyl acetate	< 10.7

ELAP Number 10958 Method: EPA 8260B Data File: V93860.D

Comments: ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

PARADIGM
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc.

Client Job Site:	690 St. Paul St.	**Lab Project Number:**	11-5230A
		Lab Sample Number:	17277
Client Job Number:	209280		
Field Location:	AOC1-CS-9	**Date Sampled:**	12/02/2011
Field ID Number:	N/A	**Date Received:**	12/02/2011
Sample Type:	Soil	**Date Analyzed:**	12/03/2011

Tentatively Identified Compounds	CAS Number	Retention Time	Results in ug / Kg	Percent Fit
None Found	N/A	N/A	< 10.7	N/A

ELAP Number 10958 Method: EPA 8260B Data File: V93860.D

Comments: ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\111202\V93860.D
DataAcq Meth:8260RUN.M
Acq On : 3 Dec 2011 3:00 am
Sample : SOIL #17377
Misc : Soil 2.53g
ALS Vial : 39 Sample Multiplier: 1

Operator: Bill Brew
Inst : Instrument #1

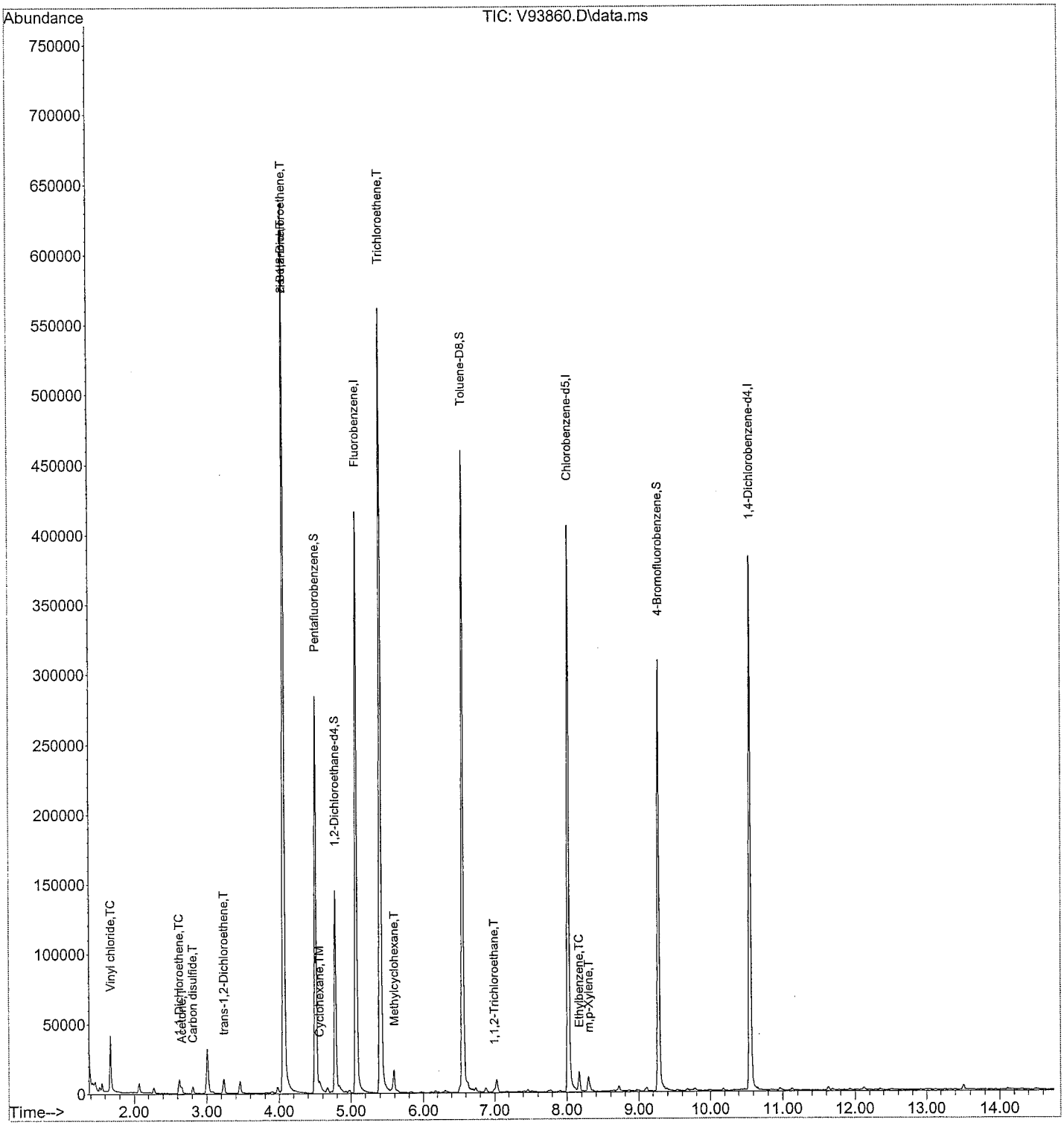
Quant Time: Dec 05 11:16:31 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Dec 05 11:00:45 2011
Response via : Initial Calibration
Integrator: RTE

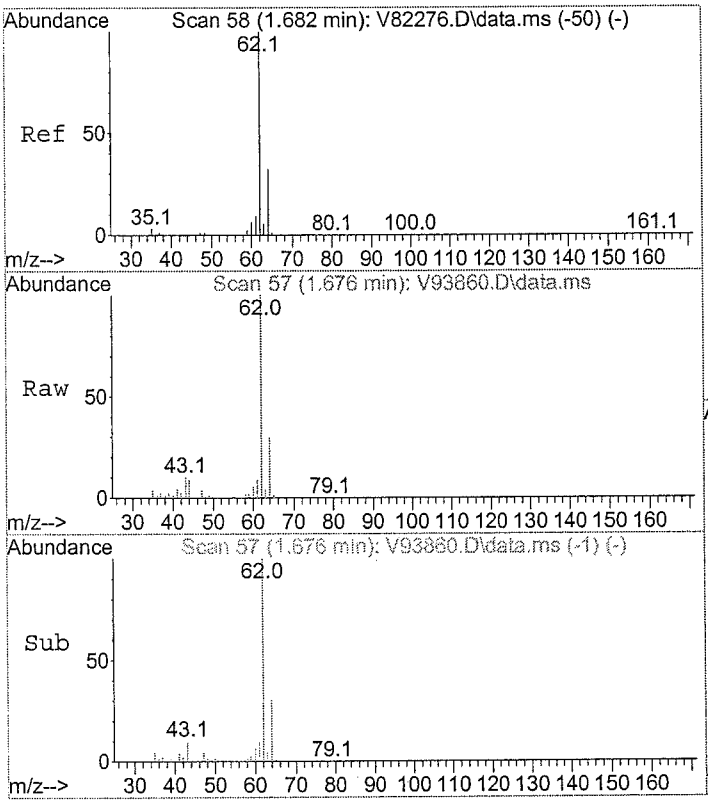
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.076	96	347478	50.00	ug/L	0.00
54) Chlorobenzene-d5	8.022	117	234149	50.00	ug/L	0.00
75) 1,4-Dichlorobenzene-d4	10.562	152	110595	50.00	ug/L	0.00
System Monitoring Compounds						
26) Pentafluorobenzene	4.505	168	172033	46.00	ug/L	0.00
Spiked Amount 50.000	Range 90 - 117		Recovery = 92.00%			
29) 1,2-Dichloroethane-d4	4.777	65	91806	44.63	ug/L	0.00
Spiked Amount 50.000	Range 64 - 106		Recovery = 89.26%			
45) Toluene-D8	6.559	98	297448	45.76	ug/L	0.00
Spiked Amount 50.000	Range 85 - 106		Recovery = 91.52%			
64) 4-Bromofluorobenzene	9.281	95	107491	43.60	ug/L	0.00
Spiked Amount 50.000	Range 79 - 99		Recovery = 87.20%			
Target Compounds						Qvalue
4) Vinyl chloride	1.676	62	29446	17.16	ug/L	98
10) 1,1-Dichloroethene	2.621	61	5637	2.47	ug/L	97
11) Acetone	2.658	43	5121	6.25	ug/L	95
12) Carbon disulfide	2.807	76	5215	1.25	ug/L	99
14) Methylene chloride	3.005	84	11691	Below Cal		99
18) trans-1,2-Dichloroethene	3.234	61	3223	1.48	ug/L	97
22) 2-Butanone	4.067	72	2246	11.67	ug/L	1
23) cis-1,2-Dichloroethene	4.067	96	252603	127.03	ug/L	92
33) Trichloroethene	5.412	130	178704	87.17	ug/L	100
34) Methylcyclohexane	5.593	83	4996	1.57	ug/L	95
48) 1,1,2-Trichloroethane	6.992	97	824	0.52	ug/L #	16
57) Ethylbenzene	8.166	91	9380	1.15	ug/L	99
58) m,p-Xylene	8.299	106	2626	0.90	ug/L	99
86) Cyclohexane	4.558	56	2626	0.94	ug/L	88

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

Data File: C:\msdchem\1\DATA\111202\V93860.D
DataAcq Meth:8260RUN.M
Acq On : 3 Dec 2011 3:00 am Operator: Bill Brew
Sample : SOIL #17277 Inst : Instrument #1
Misc : Soil 2.53g
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Dec 05 11:16:31 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Dec 05 11:00:45 2011
Response via : Initial Calibration
Integrator: RTE

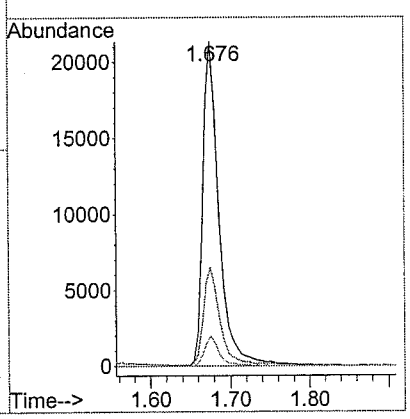


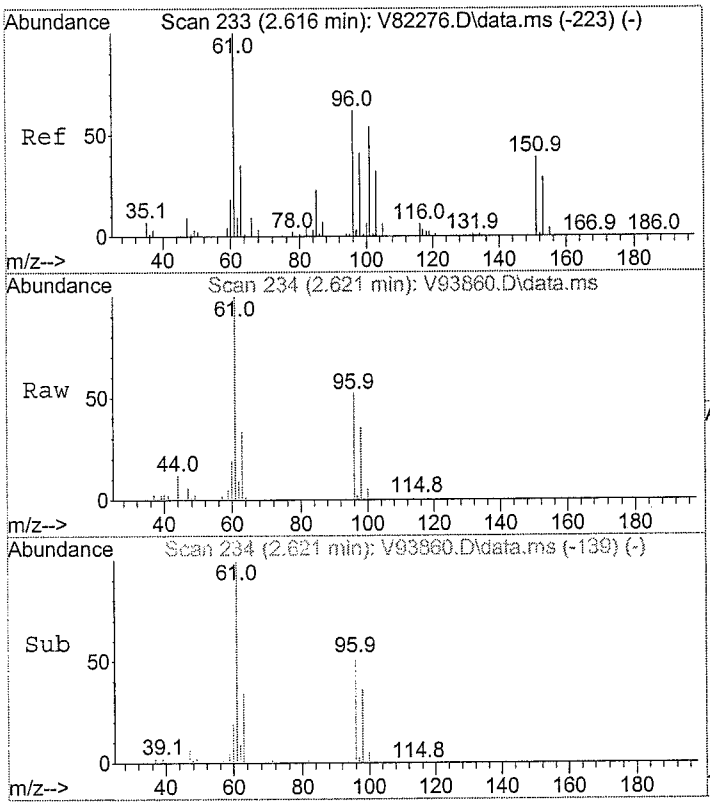


#4
Vinyl chloride
Concen: 17.16 ug/L
RT: 1.676 min Scan# 57
Delta R.T. 0.001 min
Lab File: V93860.D
Acq: 3 Dec 11 3:00 am

Tgt Ion: 62 Resp: 29446

Ion	Ratio	Lower	Upper
62	100		
64	30.2	11.2	51.2
61	8.2	0.0	28.1

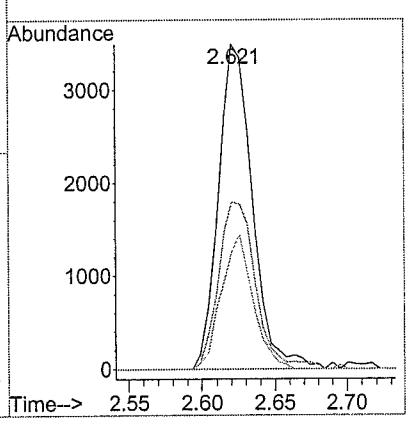




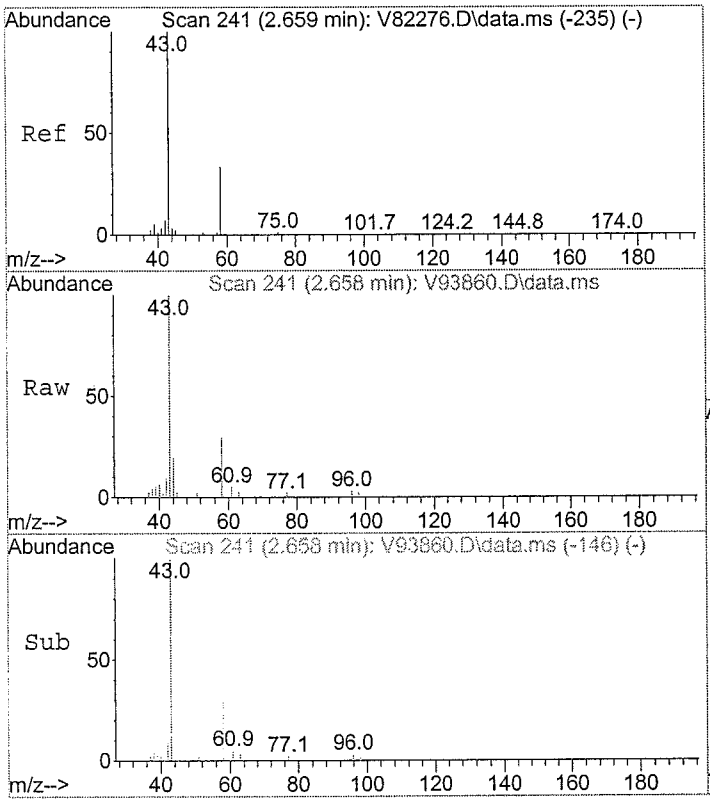
#10
1,1-Dichloroethene
Concen: 2.47 ug/L
RT: 2.621 min Scan# 234
Delta R.T. 0.006 min
Lab File: V93860.D
Acq: 3 Dec 11 3:00 am

Tgt Ion: 61 Resp: 5637

Ion	Ratio	Lower	Upper
61	100		
96	56.1	39.7	79.7
98	38.5	18.7	58.7



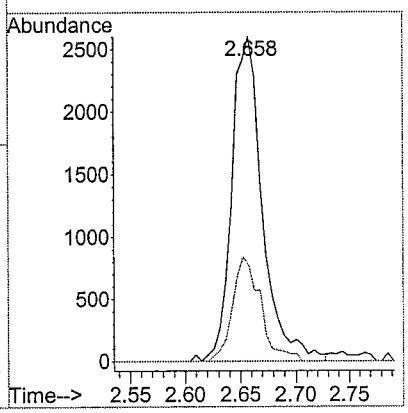
12/5 BM

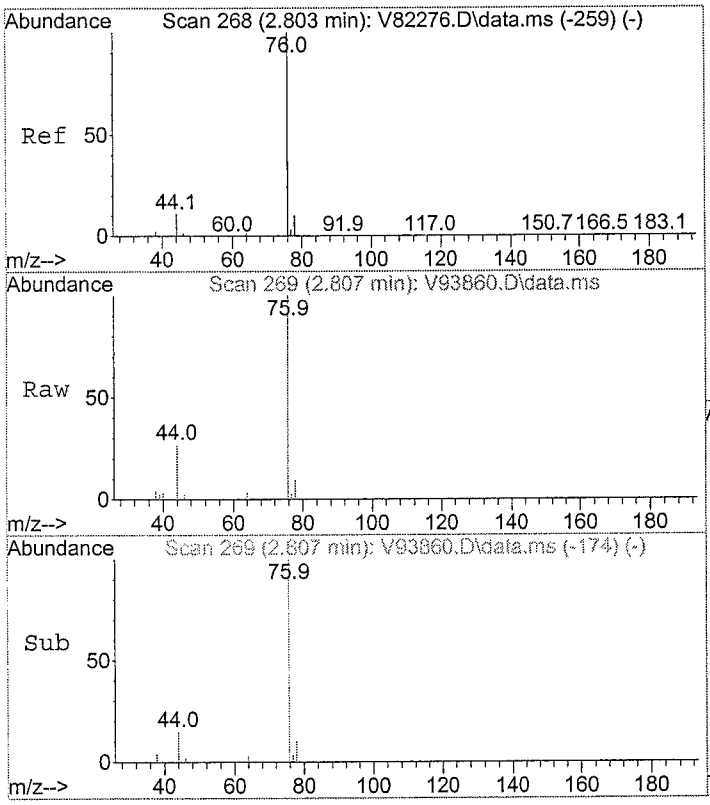


#11
Acetone
Concen: 6.25 ug/L
RT: 2.658 min Scan# 241
Delta R.T. 0.006 min
Lab File: V93860.D
Acq: 3 Dec 11 3:00 am

Tgt Ion: 43 Resp: 5121

Ion	Ratio	Lower	Upper
43	100		
58	29.6	12.6	52.6

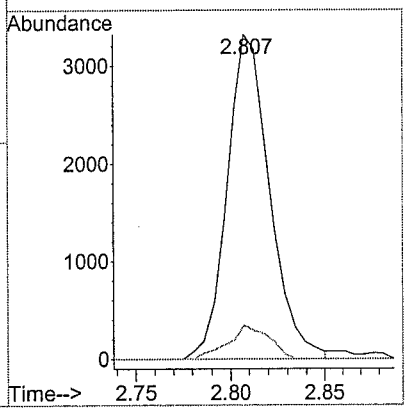


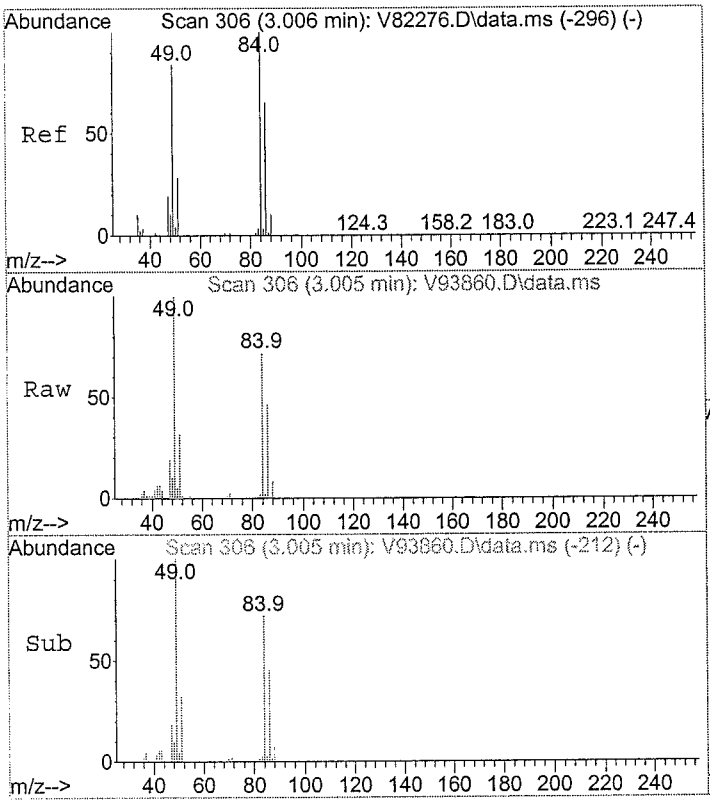


#12
Carbon disulfide
Concen: 1.25 ug/L
RT: 2.807 min Scan# 269
Delta R.T. 0.006 min
Lab File: V93860.D
Acq: 3 Dec 11 3:00 am

Tgt Ion: 76 Resp: 5215

Ion	Ratio	Lower	Upper
76	100		
78	9.8	0.0	29.5

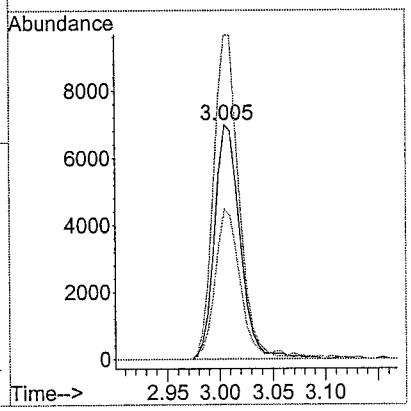


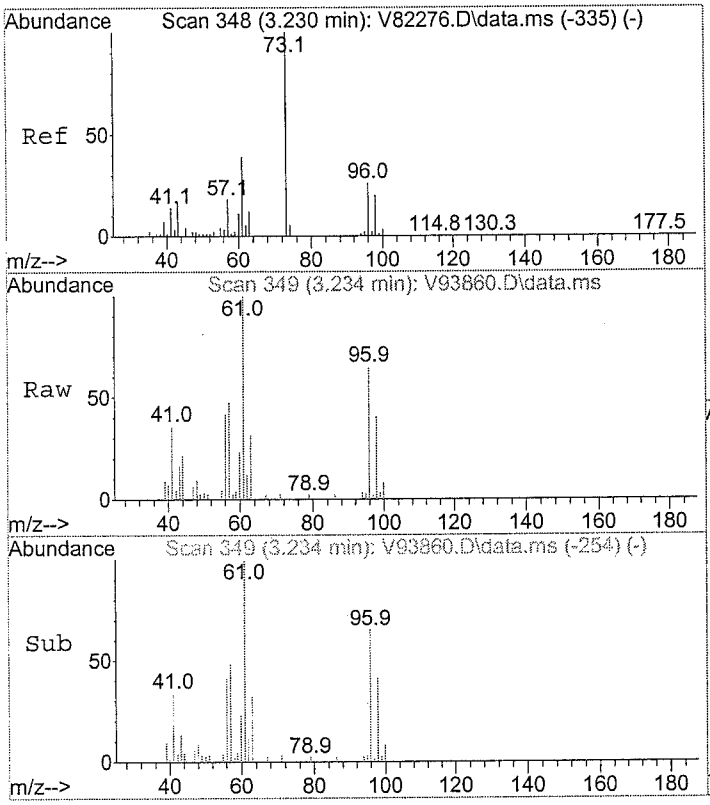


#14
Methylene chloride
Concen: Below ug/L
RT: 3.005 min Scan# 306
Delta R.T. 0.001 min
Lab File: V93860.D
Acq: 3 Dec 11 3:00 am

Tgt Ion: 84 Resp: 11691

Ion	Ratio	Lower	Upper
84	100		
49	139.4	119.4	159.4
86	62.7	45.0	85.0

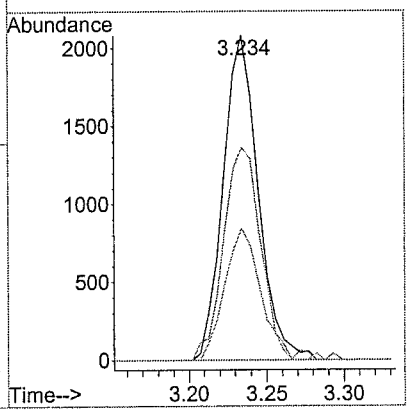


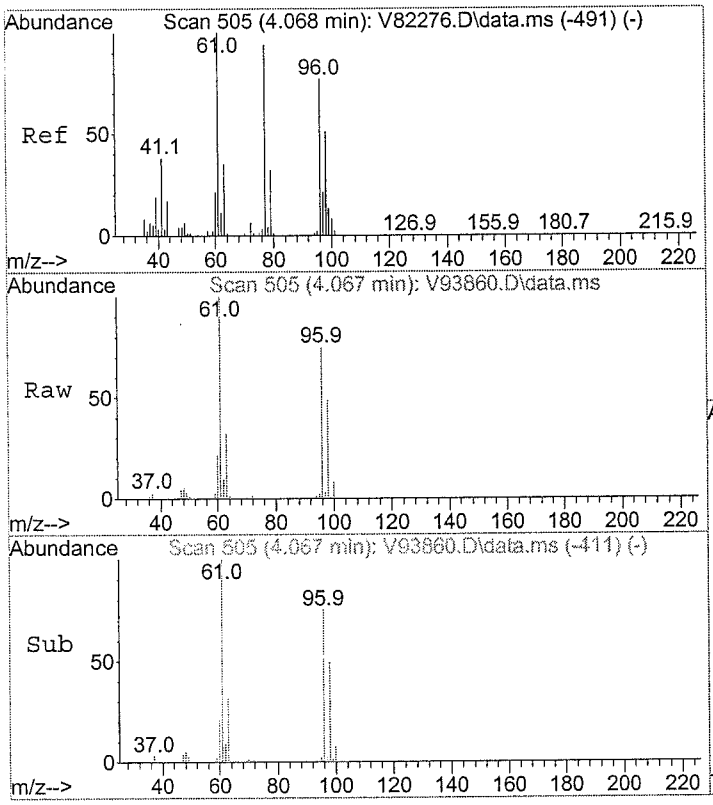


#18
trans-1,2-Dichloroethene
Concen: 1.48 ug/L
RT: 3.234 min Scan# 349
Delta R.T. 0.006 min
Lab File: V93860.D
Acq: 3 Dec 11 3:00 am

Tgt Ion: 61 Resp: 3223

Ion	Ratio	Lower	Upper
61	100		
96	70.3	48.7	88.7
98	40.8	24.2	64.2

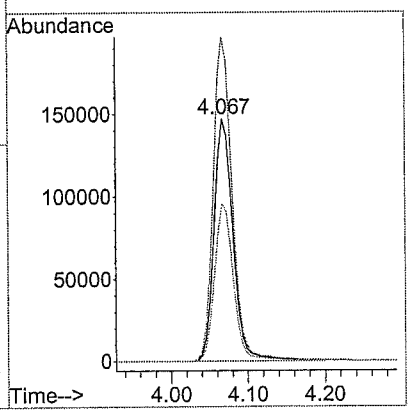


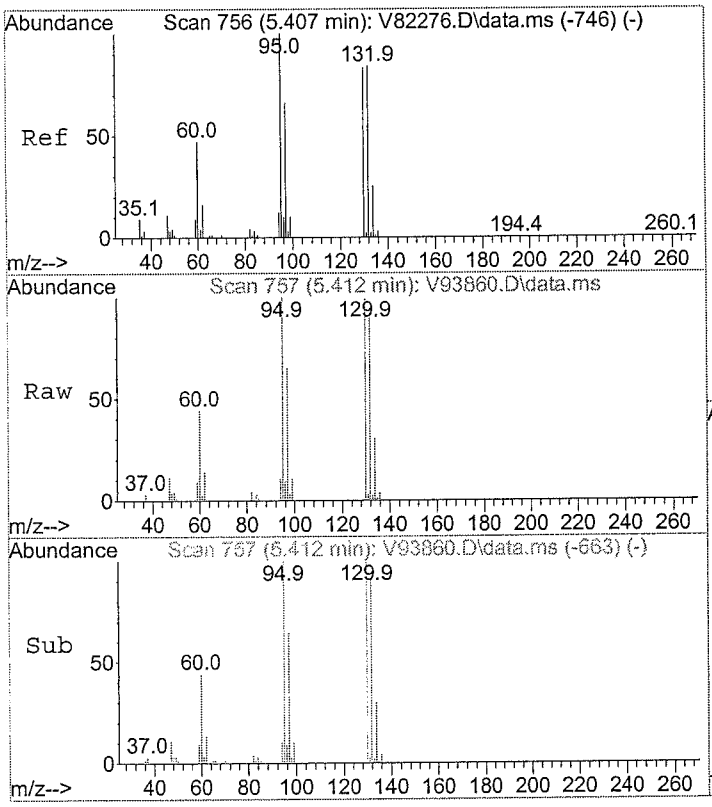


#23
cis-1,2-Dichloroethene
Concen: 127.03 ug/L
RT: 4.067 min Scan# 505
Delta R.T. 0.001 min
Lab File: V93860.D
Acq: 3 Dec 11 3:00 am

Tgt Ion: 96 Resp: 252603

Ion	Ratio	Lower	Upper
96	100		
61	134.3	128.3	168.3
98	65.3	44.2	84.2

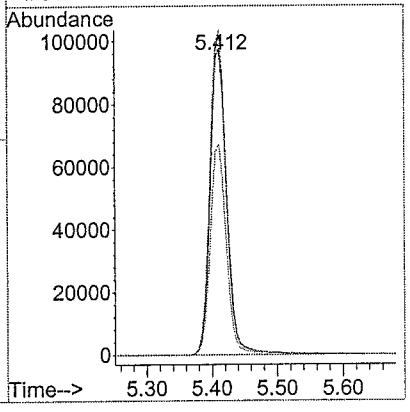


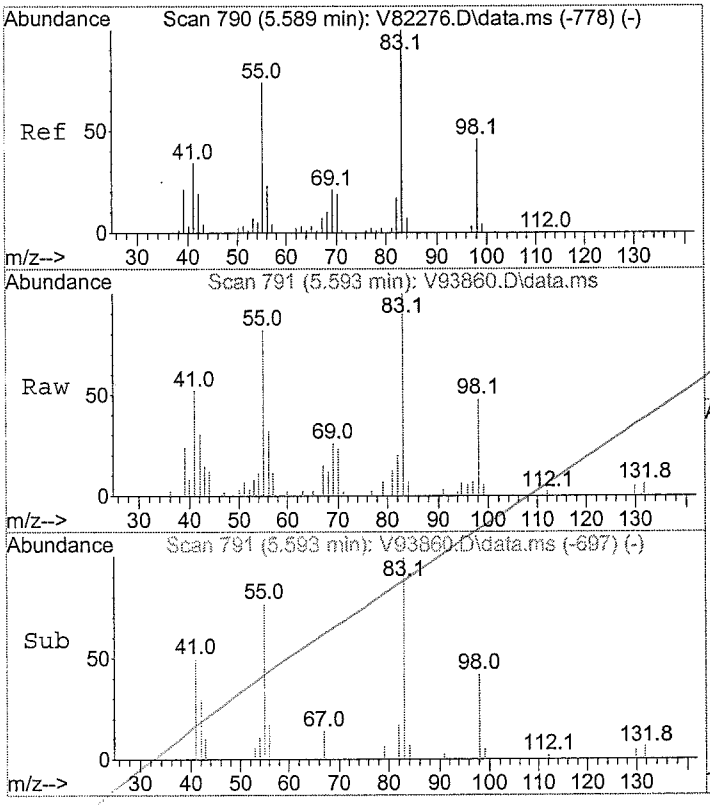


#33
Trichloroethene
Concen: 87.17 ug/L
RT: 5.412 min Scan# 757
Delta R.T. 0.001 min
Lab File: V93860.D
Acq: 3 Dec 11 3:00 am

Tgt Ion:130 Resp: 178704

Ion	Ratio	Lower	Upper
130	100		
95	100.6	81.0	121.0
97	65.3	45.9	85.9
132	96.3	75.9	115.9



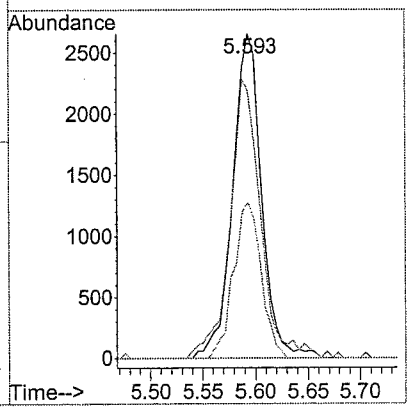


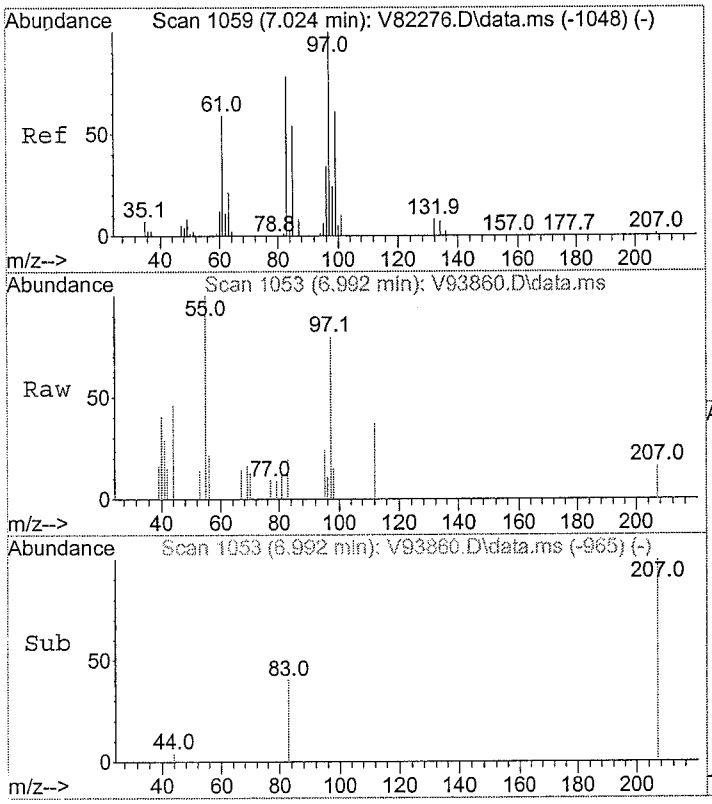
#34
Methylcyclohexane
Concen: 1.57 ug/L
RT: 5.593 min Scan# 791
Delta R.T. 0.001 min
Lab File: V93860.D
Acq: 3 Dec 11 3:00 am

Tgt Ion: 83 Resp: 4996

Ion	Ratio	Lower	Upper
83	100		
55	90.8	65.4	105.4
98	45.8	27.7	67.7

NT

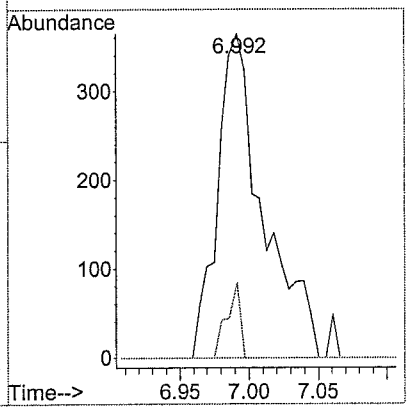


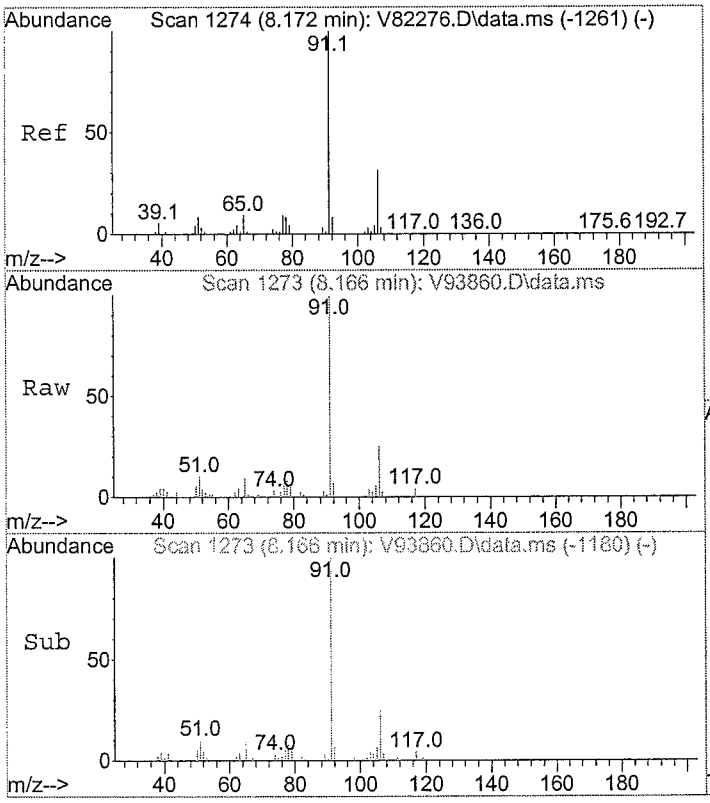


#48
1,1,2-Trichloroethane
Concen: 0.52 ug/L
RT: 6.992 min Scan# 1053
Delta R.T. -0.030 min
Lab File: V93860.D
Acq: 3 Dec 11 3:00 am

Tgt Ion: 97 Resp: 824

Ion	Ratio	Lower	Upper
97	100		
83	6.6	63.9	103.9#
99	0.0	43.4	83.4#

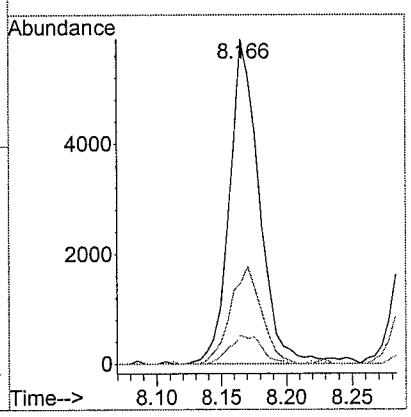


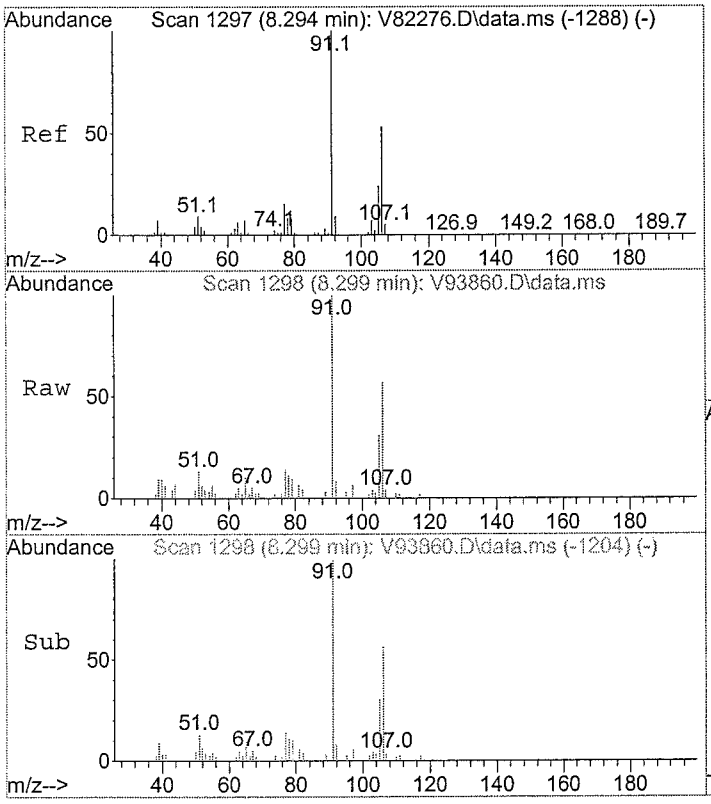


#57
Ethylbenzene
Concen: 1.15 ug/L
RT: 8.166 min Scan# 1273
Delta R.T. -0.004 min
Lab File: V93860.D
Acq: 3 Dec 11 3:00 am

Tgt Ion: 91 Resp: 9380

Ion	Ratio	Lower	Upper
91	100		
106	31.2	11.3	51.3
65	9.4	0.0	28.7

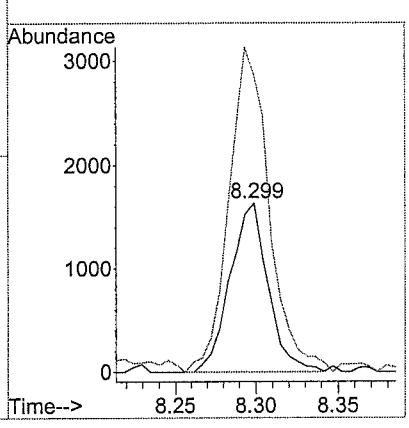




#58
m,p-Xylene
Concen: 0.90 ug/L
RT: 8.299 min Scan# 1298
Delta R.T. 0.001 min
Lab File: V93860.D
Acq: 3 Dec 11 3:00 am

Tgt Ion:106 Resp: 2626

Ion	Ratio	Lower	Upper
106	100		
91	204.0	182.3	222.3



VOLATILE ORGANICS

STANDARDS DATA

Response Factor Report Instrument #1

Method Path : C:\msdchem\1\METHODS\
Method File : 112111.M
Title : 8260/624 Analysis
Last Update : Mon Nov 21 16:05:50 2011
Response Via : Initial Calibration

Calibration Files
1 =V93584.D 2 =V93585.D 3 =V93586.D 4 =V93587.D 5 =V93588.D 6 =V93589.D 7 =V93590.D

		Compound	1	2	3	4	5	6	7	Avg	%RSD	
1)	I	Fluorobenzene	ISTD									
2)	T	Dichlorodifluo...	1.019	0.363	0.208	0.209	0.186	0.191	0.186	0.337	91.04	*
3)	TP	Chloromethane	0.251	0.278	0.279	0.298	0.282	0.281	0.274	0.278	4.96	
4)	TC	Vinyl chloride	0.220	0.245	0.266	0.270	0.249	0.243	0.235	0.247	6.99	
5)	T	Bromomethane	0.168	0.169	0.154	0.151	0.119	0.108	0.094	0.137	22.09	*
6)	T	Chloroethane	0.134	0.147	0.156	0.158	0.134	0.121	0.110	0.137	13.09	
7)	T	Trichlorofluor...	0.657	0.449	0.419	0.426	0.383	0.389	0.377	0.443	22.08	*
8)	T	Ethyl ether	0.147	0.166	0.178	0.183	0.173	0.170	0.166	0.169	6.91	
9)	T	Freon 113	0.202	0.233	0.242	0.250	0.217	0.223	0.218	0.226	7.32	
10)	TC	1,1-Dichloroet...	0.281	0.339	0.353	0.364	0.325	0.327	0.313	0.329	8.32	
11)	T	Acetone	0.378	0.128	0.078	0.076	0.072	0.077	0.082	0.127	88.18	*
12)	T	Carbon disulfide	0.493	0.583	0.643	0.677	0.571	0.616	0.605	0.598	9.78	
13)	T	Methyl acetate	0.125	0.130	0.134	0.137	0.128	0.132	0.127	0.131	3.27	
14)	T	Methylene chlo...	2.260	0.709	0.334	0.280	0.235	0.234	0.224	0.611	122.32	*
15)	T	Acrylonitrile	0.063	0.066	0.066	0.072	0.067	0.069	0.069	0.067	3.82	
16)	T	tert-Butyl Alc...	0.025	0.022	0.023	0.024	0.022	0.021	0.020	0.023	7.31	
17)	T	Methyl tert-bu...	0.525	0.584	0.619	0.644	0.585	0.587	0.560	0.586	6.57	
18)	T	trans-1,2-Dich...	0.287	0.328	0.323	0.347	0.308	0.307	0.288	0.313	6.94	
19)	TP	1,1-Dichloroet...	0.344	0.426	0.445	0.454	0.423	0.424	0.419	0.419	8.46	
20)	T	Vinyl acetate	0.301	0.327	0.318	0.350	0.334	0.337	0.320	0.327	4.84	
21)	T	2,2-Dichloropr...	0.370	0.420	0.439	0.454	0.404	0.406	0.362	0.408	8.23	
22)	T	2-Butanone		0.034	0.029	0.029	0.027	0.026	0.021	0.028	15.13	
23)	T	cis-1,2-Dichlo...	0.286	0.312	0.317	0.320	0.274	0.273	0.221	0.286	12.19	
24)	T	Bromochloromet...	0.121	0.134	0.141	0.143	0.130	0.129	0.118	0.131	6.97	
25)	TC	Chloroform	0.467	0.490	0.507	0.509	0.465	0.462	0.432	0.476	5.80	
26)	S	Pentafluoroben...		0.595	0.589	0.586	0.507	0.497	0.456	0.538	11.02	
27)	UN	Tetrahydrofuran	0.110	0.113	0.115	0.122	0.110	0.108	0.104	0.112	5.09	
28)	T	1,1,1-Trichlor...	0.411	0.429	0.461	0.469	0.421	0.427	0.403	0.432	5.75	
29)	S	1,2-Dichloroet...	0.368	0.294	0.293	0.293	0.275	0.279	0.270	0.296	11.20	
30)	T	Carbon Tetrach...	0.315	0.355	0.391	0.404	0.370	0.376	0.357	0.367	7.83	
31)	T	Benzene	1.020	1.082	1.075	1.058	0.927	0.895	0.822	0.983	10.35	
32)	T	1,2-Dichloroet...	0.345	0.359	0.352	0.356	0.328	0.326	0.311	0.340	5.34	
33)	T	Trichloroethene	0.291	0.294	0.312	0.321	0.288	0.288	0.270	0.295	5.68	
34)	T	Methylcyclohexane	0.425	0.472	0.501	0.504	0.447	0.445	0.415	0.458	7.69	
35)	UN	Ethyl acetate								0.000	-1.00	
36)	TC	1,2-Dichloropr...	0.251	0.269	0.281	0.278	0.255	0.248	0.232	0.259	6.84	
37)	UN	Isobutyl alcohol								0.000	-1.00	
38)	T	Dibromomethane	0.139	0.149	0.156	0.159	0.145	0.143	0.134	0.146	6.12	

Initial Calibration Summary Table

11/21 MS

*curve is not avg of response factors

Method Path : C:\msdchem\1\METHODS\
Method File : 112111.M

39)	T	Bromodichlorom...	0.312	0.330	0.371	0.386	0.363	0.368	0.350	0.354	7.24
40)	T	2-Chloroethyl ...		0.028	0.037	0.043	0.042	0.043	0.041	0.039	14.63
41)	UN	Isopropyl acetate								0.000	-1.00
42)	T	1,1-Dichloropr...	0.314	0.369	0.372	0.370	0.332	0.328	0.303	0.341	8.49
43)	T	cis-1,3-Dichlo...	0.353	0.378	0.437	0.454	0.422	0.424	0.398	0.409	8.63
44)	T	4-Methyl-2-pen...		0.070	0.085	0.092	0.089	0.089	0.086	0.085	9.15
45)	S	Toluene-D8	1.222	1.014	1.030	1.005	0.893	0.863	0.807	0.976	14.12
46)	TC	Toluene	1.353	1.214	1.200	1.157	1.014	0.989	0.913	1.120	13.74
47)	T	trans-1,3-Dich...	0.323	0.341	0.378	0.405	0.379	0.384	0.361	0.367	7.66
48)	T	1,1,2-Trichlor...	0.266	0.228	0.232	0.239	0.214	0.214	0.201	0.228	9.25
49)	T	1,3-Dichloropr...	0.370	0.365	0.375	0.386	0.348	0.343	0.316	0.358	6.57
50)	T	Tetrachloroethene	0.352	0.336	0.351	0.363	0.322	0.315	0.294	0.333	7.25
51)	T	2-Hexanone		0.137	0.145	0.163	0.155	0.157	0.151	0.151	6.19
52)	T	Dibromochlorom...	0.233	0.233	0.263	0.291	0.276	0.281	0.263	0.263	8.62
53)	T	1,2-Dibromoethane	0.216	0.216	0.227	0.244	0.228	0.229	0.218	0.225	4.46
54)	I	Chlorobenzene-d5	----------ISTD----------								
55)	TP	Chlorobenzene	1.158	1.072	1.077	1.076	0.989	0.953	0.917	1.035	8.13
56)	T	1,1,1,2-Tetrac...	0.409	0.373	0.412	0.417	0.386	0.380	0.370	0.393	5.01
57)	TC	Ethylbenzene	1.911	1.801	1.857	1.856	1.662	1.606	1.544	1.748	8.16
58)	T	m,p-Xylene	0.749	0.681	0.672	0.647	0.565	0.536	0.514	0.624	13.89
59)	T	o-Xylene	0.776	0.675	0.670	0.676	0.584	0.559	0.532	0.639	13.32
60)	T	Styrene	1.105	1.053	1.037	1.032	0.893	0.849	0.811	0.969	11.88
61)	TP	Bromoform	0.205	0.196	0.226	0.266	0.259	0.261	0.260	0.239	12.39
62)	T	Isopropylbenzene	1.904	1.735	1.801	1.853	1.605	1.577	1.525	1.714	8.57
63)	T	1,2,3-Trichlor...	0.122	0.113	0.111	0.118	0.110	0.108	0.108	0.113	4.68
64)	S	4-Bromofluorob...		0.562	0.523	0.544	0.498	0.491	0.473	0.515	6.60
65)	T	Bromobenzene	0.551	0.470	0.459	0.477	0.423	0.404	0.378	0.452	12.57
66)	TP	1,1,2,2-Tetrac...	0.442	0.371	0.357	0.382	0.340	0.327	0.311	0.361	11.94
67)	T	n-Propylbenzene	2.251	2.059	1.995	2.101	1.856	1.813	1.730	1.972	9.25
68)	T	2-Chlorotoluene	0.499	0.459	0.438	0.451	0.408	0.395	0.377	0.432	9.76
69)	T	4-Chlorotoluene	0.588	0.484	0.425	0.428	0.368	0.357	0.333	0.426	20.69 *
70)	T	1,3,5-Trimethy...	1.788	1.535	1.422	1.480	1.295	1.248	1.186	1.422	14.44
71)	T	tert-Butylbenzene	0.408	0.339	0.335	0.353	0.306	0.295	0.279	0.331	13.07
72)	T	1,2,4-Trimethy...	1.864	1.479	1.412	1.492	1.334	1.297	1.222	1.443	14.54
73)	T	sec-Butylbenzene	2.184	1.851	1.850	1.964	1.712	1.676	1.585	1.831	10.95
74)	T	p-Isopropyltol...	1.849	1.586	1.565	1.657	1.462	1.438	1.361	1.560	10.40
75)	I	1,4-Dichlorobenzen...	----------ISTD----------								
76)	T	1,3-Dichlorobe...	2.107	1.720	1.792	1.844	1.701	1.673	1.626	1.780	9.07
77)	T	1,4-Dichlorobe...	2.118	1.675	1.697	1.759	1.634	1.625	1.567	1.725	10.65
78)	T	n-Butylbenzene	3.289	2.946	3.238	3.296	2.976	2.942	2.828	3.074	6.33
79)	T	1,2-Dichlorobe...	1.870	1.599	1.643	1.608	1.430	1.399	1.340	1.556	11.67
80)	UN	Tetraethyllead								0.000	-1.00
81)	T	1,2-Dibromo-3-...		0.128	0.157	0.186	0.194	0.204	0.214	0.181	17.83 *
82)	T	1,2,4-Trichlor...	1.408	1.295	1.395	1.508	1.425	1.434	1.434	1.414	4.50
83)	T	1,2,3-Trichlor...	1.253	1.128	1.249	1.366	1.303	1.327	1.317	1.278	6.09
84)	T	Hexachlorobuta...	0.995	0.840	0.925	0.991	0.913	0.943	0.955	0.938	5.64

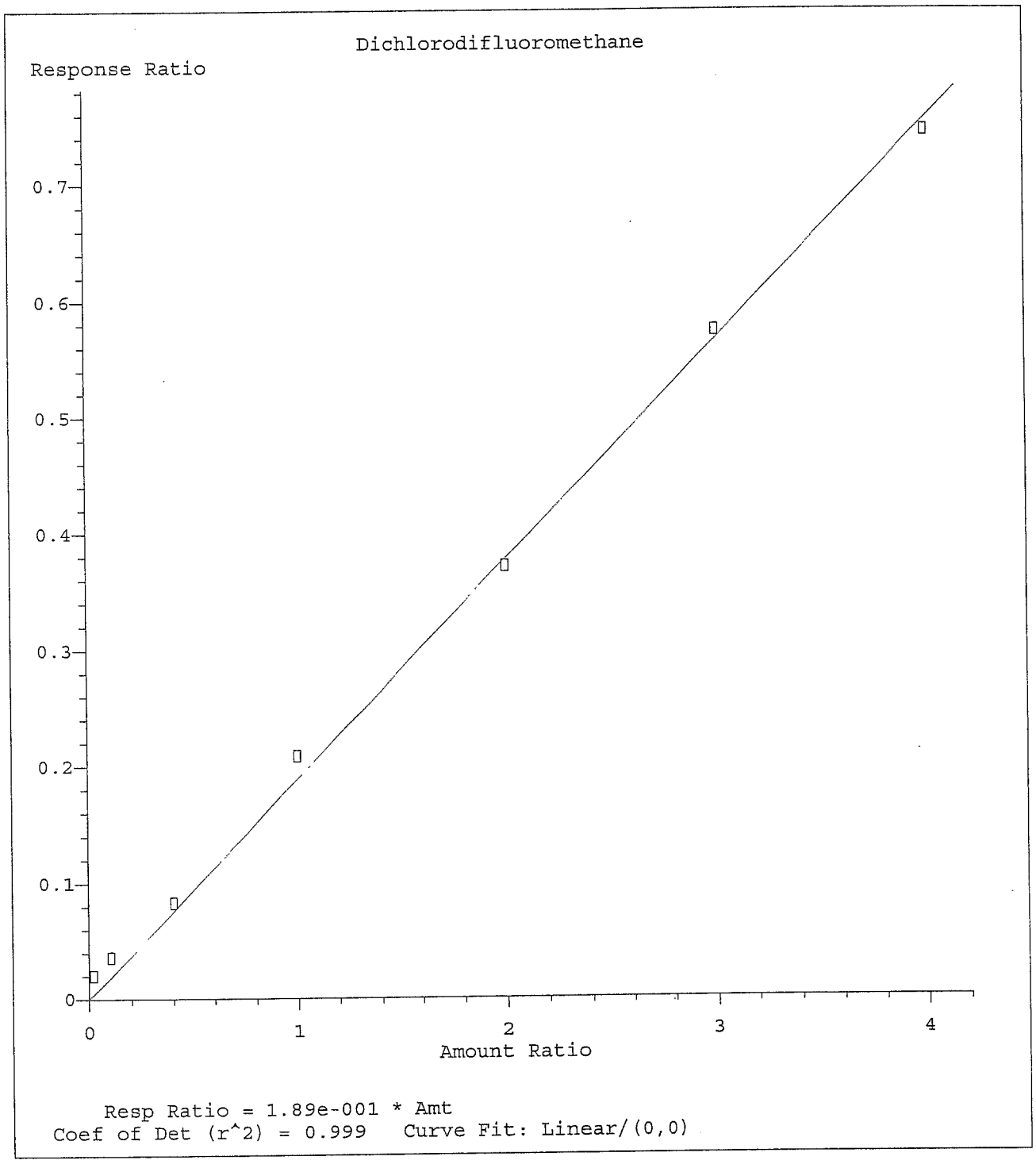
ICAL Summary Table

Method Path : C:\msdchem\1\METHODS\
Method File : 112111.M

85)	T	Naphthalene	3.453	2.408	2.612	2.859	2.776	2.795	2.886	2.827	11.38
86)	TM	Cyclohexane	0.983	1.296	1.438	1.315	1.289	1.287	1.275	1.269	10.86
87)	T	1,4-Dioxane			0.009	0.010	0.010	0.010	0.010	0.010	5.48
88)	T	tert-Butyl Ace...	0.424	0.461	0.604	0.573	0.533	0.523	0.521	0.520	11.86

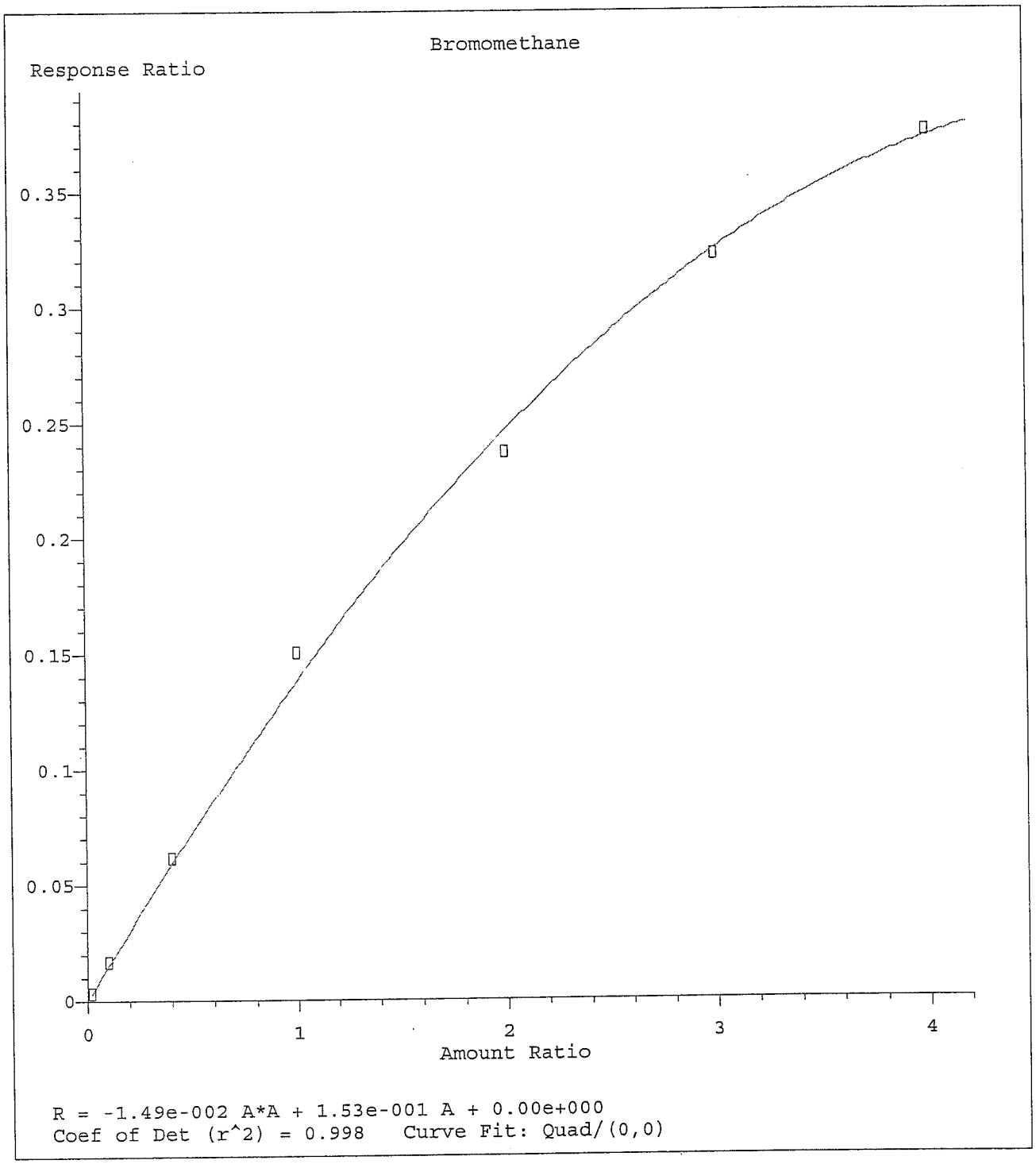
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ICal Summary Table

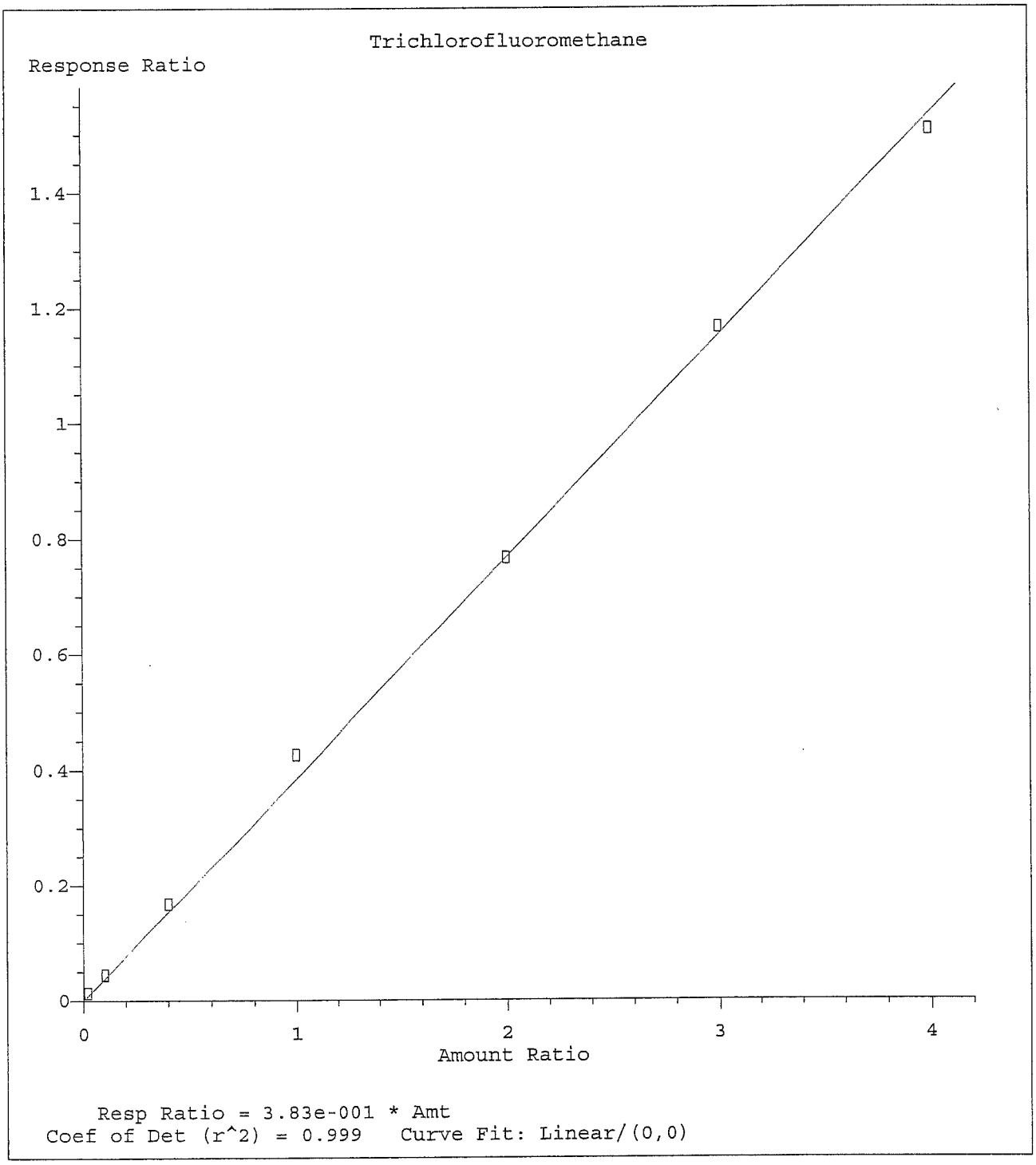


Method Name: C:\msdchem\1\METHODS\112111.M
Calibration Table Last Updated: Mon Nov 21 16:05:50 2011

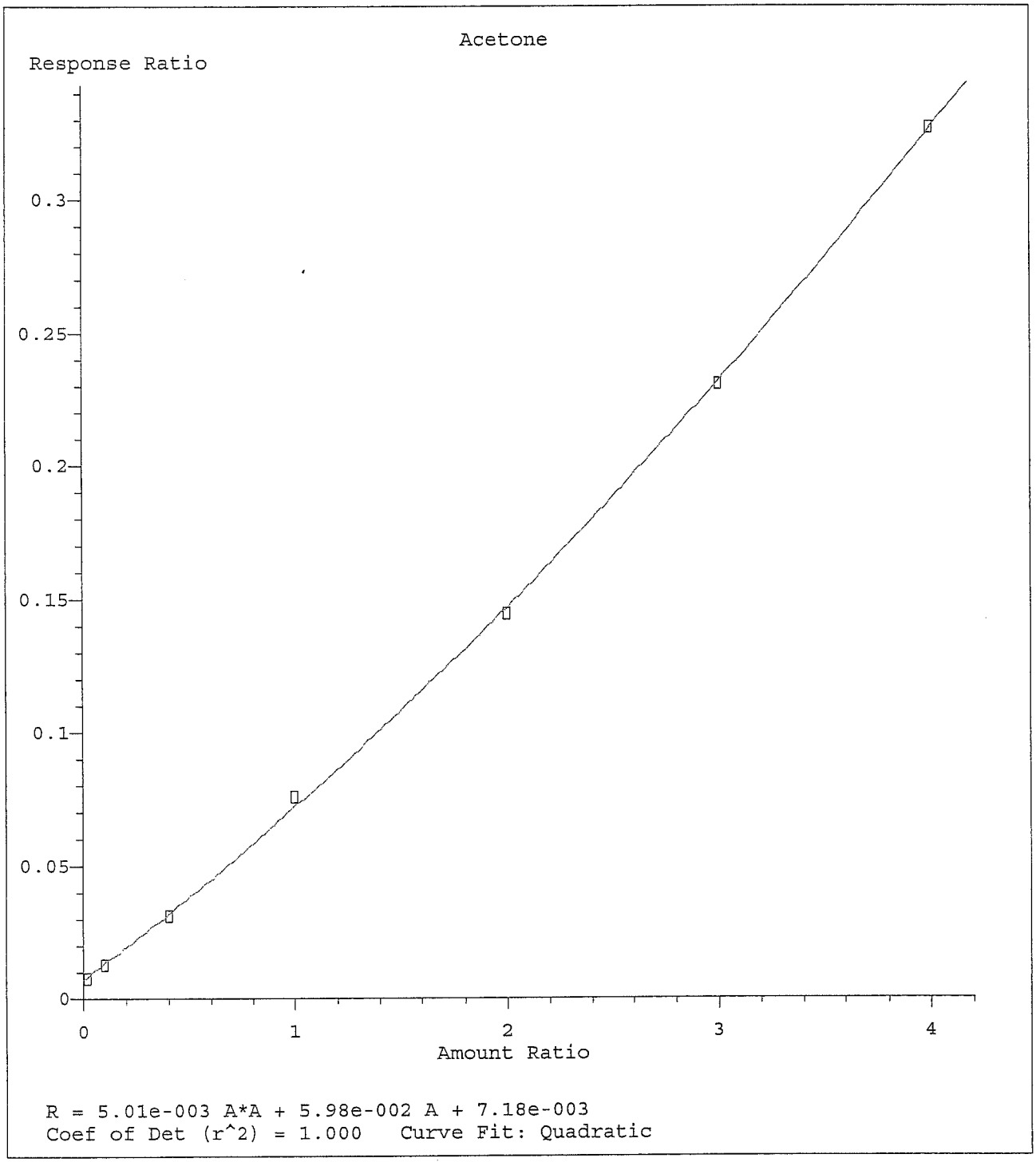
11/21 BB



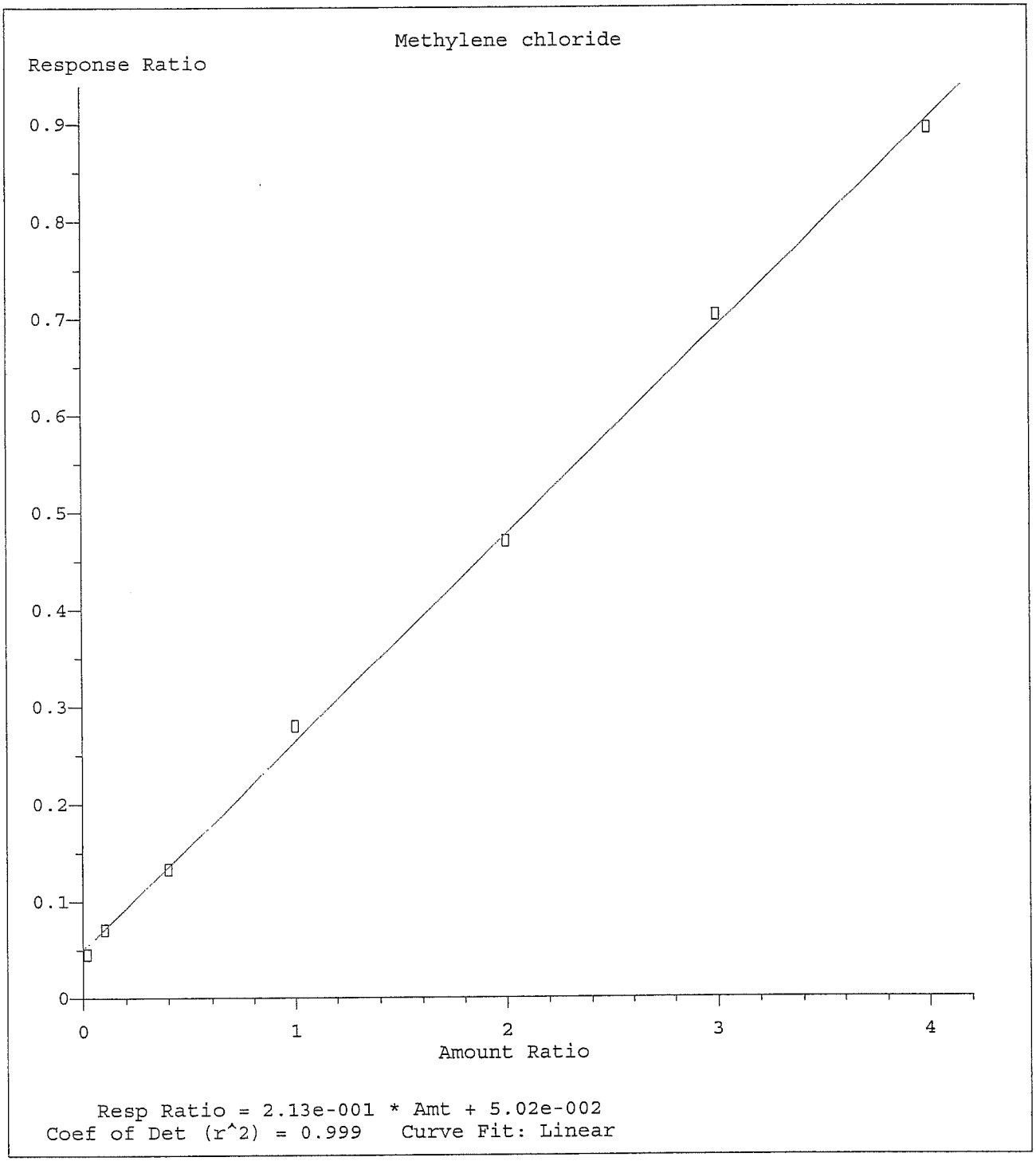
Method Name: C:\msdchem\1\METHODS\112111.M
Calibration Table Last Updated: Mon Nov 21 16:05:50 2011



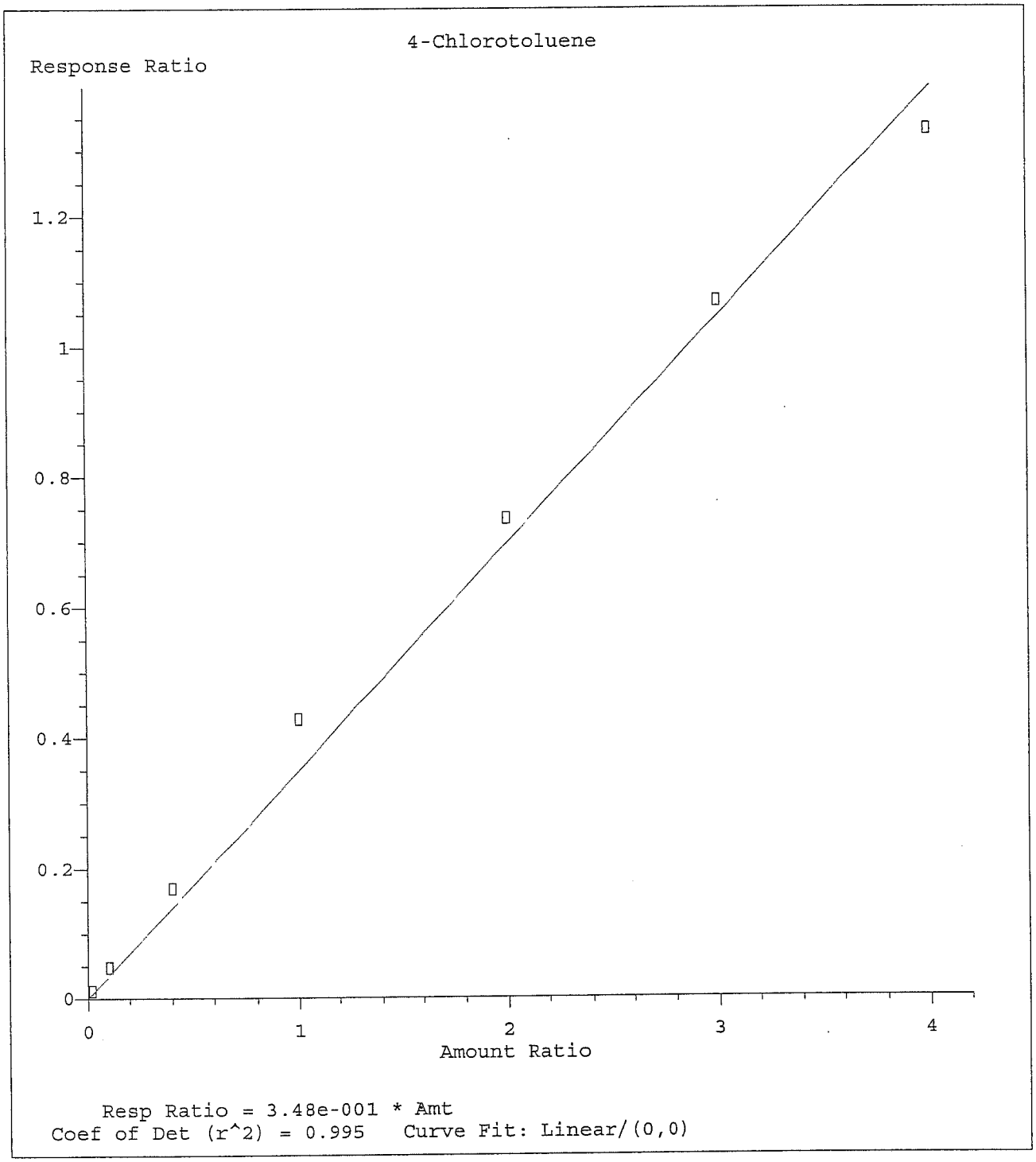
Method Name: C:\msdchem\1\METHODS\112111.M
Calibration Table Last Updated: Mon Nov 21 16:05:50 2011



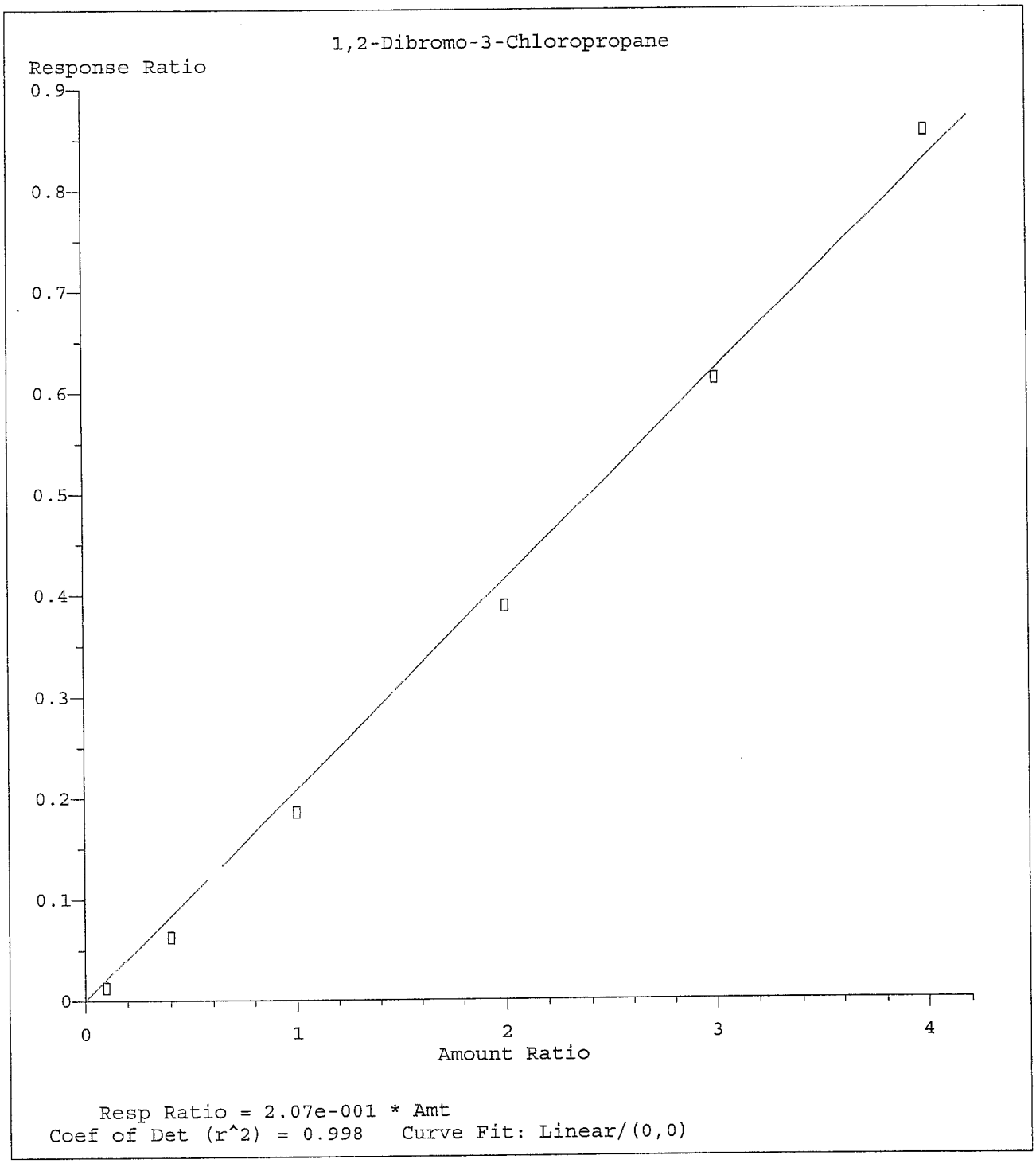
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Calibration Table Last Updated: Mon Nov 21 16:05:50 2011



Method Name: C:\msdchem\1\METHODS\112111.M
Calibration Table Last Updated: Mon Nov 21 16:05:50 2011



Method Name: C:\msdchem\1\METHODS\112111.M
Calibration Table Last Updated: Mon Nov 21 16:05:50 2011



Method Name: C:\msdchem\1\METHODS\112111.M
Calibration Table Last Updated: Mon Nov 21 16:05:50 2011

Data File: C:\msdchem\1\DATA\111121\V93584.D
DataAcq Meth:8260RUN.M
Acq On : 21 Nov 2011 1:22 pm Operator: Bill Brew
Sample : 1ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 21 16:08:08 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.076	96	335415	50.00 ug/L	0.00
54) Chlorobenzene-d5	8.021	117	238585	50.00 ug/L	0.00
75) 1,4-Dichlorobenzene-d4	10.562	152	129065	50.00 ug/L	0.00
System Monitoring Compounds					
26) Pentafluorobenzene	4.505	168	4952	1.37 ug/L	0.00
Spiked Amount 50.000	Range 89 - 116		Recovery =	2.74%#	
29) 1,2-Dichloroethane-d4	4.777	65	2467	1.24 ug/L	0.00
Spiked Amount 50.000	Range 66 - 106		Recovery =	2.48%#	
45) Toluene-D8	6.559	98	8198	1.25 ug/L	0.00
Spiked Amount 50.000	Range 87 - 107		Recovery =	2.50%#	
64) 4-Bromofluorobenzene	9.281	95	4392	1.79 ug/L	0.00
Spiked Amount 50.000	Range 84 - 97		Recovery =	3.58%#	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.452	85	6839	5.40 ug/L	97
3) Chloromethane	1.591	50	1687	0.91 ug/L	98
4) Vinyl chloride	1.671	62	1478	0.89 ug/L	93
5) Bromomethane	1.927	94	1130	1.10 ug/L	91
6) Chloroethane	2.007	64	897	0.98 ug/L	98
7) Trichlorofluoromethane	2.210	101	4404	1.71 ug/L	99
8) Ethyl ether	2.429	59	983	0.87 ug/L	100
9) Freon 113	2.621	101	1353	0.89 ug/L	99
10) 1,1-Dichloroethene	2.615	61	1887	0.86 ug/L	93
12) Carbon disulfide	2.807	76	3310	0.82 ug/L	92
13) Methyl acetate	2.914	43	841	0.96 ug/L #	98
14) Methylene chloride	3.005	84	15164	Below Cal	92
15) Acrylonitrile	3.197	53	425	0.94 ug/L	86
16) tert-Butyl Alcohol	3.080	59	16837	110.42 ug/L #	82
17) Methyl tert-butyl Ether	3.234	73	3521	0.90 ug/L	64
18) trans-1,2-Dichloroethene	3.229	61	1927	0.92 ug/L	98
19) 1,1-Dichloroethane	3.581	63	2310	0.82 ug/L	95
20) Vinyl acetate	3.613	43	2019	0.92 ug/L	100
21) 2,2-Dichloropropane	4.072	77	2484	0.91 ug/L	99
22) 2-Butanone	4.083	72	510	2.74 ug/L	98
23) cis-1,2-Dichloroethene	4.067	96	1921	1.00 ug/L	98
24) Bromochloromethane	4.270	128	815	0.93 ug/L	89
25) Chloroform	4.339	83	3135	0.98 ug/L	90
27) Tetrahydrofuran	4.312	42	737	0.98 ug/L #	75
28) 1,1,1-Trichloroethane	4.505	97	2754	0.95 ug/L #	84
30) Carbon Tetrachloride	4.649	117	2115	0.86 ug/L	98
31) Benzene	4.835	78	6844	1.04 ug/L	99
32) 1,2-Dichloroethane	4.846	62	2315	1.02 ug/L	98
33) Trichloroethene	5.406	130	1954	0.99 ug/L	99
34) Methylcyclohexane	5.588	83	2849	0.93 ug/L	95
36) 1,2-Dichloropropane	5.620	63	1683	0.97 ug/L #	60
38) Dibromomethane	5.721	93	935	0.95 ug/L	90
39) Bromodichloromethane	5.865	83	2095	0.88 ug/L	96
40) 2-Chloroethyl vinyl Ether	6.148	63	175	0.67 ug/L #	53
42) 1,1-Dichloropropene	4.643	75	2105	0.92 ug/L	95

11/21/3b

Data File: C:\msdchem\1\DATA\111121\V93584.D
DataAcq Meth:8260RUN.M
Acq On : 21 Nov 2011 1:22 pm Operator: Bill Brew
Sample : 1ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 3 Sample Multiplier: 1

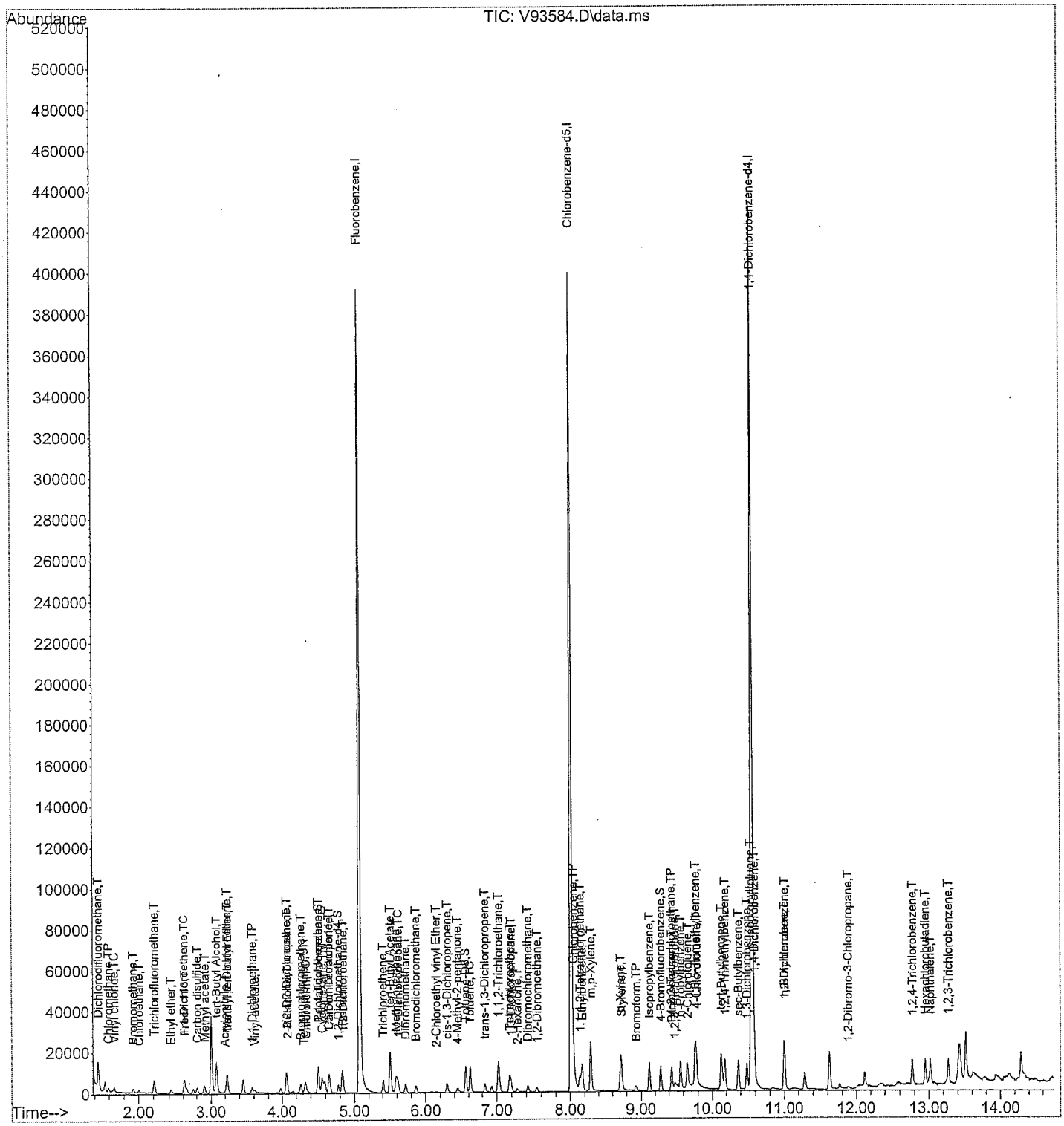
Quant Time: Nov 21 16:08:08 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) cis-1,3-Dichloropropene	6.298	75	2365	0.86 ug/L	98
44) 4-Methyl-2-pentanone	6.442	58	523	0.92 ug/L	97
46) Toluene	6.623	91	9075	1.21 ug/L	97
47) trans-1,3-Dichloropropene	6.837	75	2164	0.88 ug/L	96
48) 1,1,2-Trichloroethane	7.024	97	1784	1.17 ug/L	91
49) 1,3-Dichloropropane	7.194	76	2482	1.03 ug/L	100
50) Tetrachloroethene	7.173	166	2361	1.06 ug/L	97
51) 2-Hexanone	7.280	43	1017	1.00 ug/L	89
52) Dibromochloromethane	7.418	129	1560	0.88 ug/L #	96
53) 1,2-Dibromoethane	7.547	107	1447	0.96 ug/L	96
55) Chlorobenzene	8.048	112	5524	1.12 ug/L	99
56) 1,1,1,2-Tetrachloroethane	8.139	131	1952	1.04 ug/L #	67
57) Ethylbenzene	8.171	91	9119	1.09 ug/L	99
58) m,p-Xylene	8.294	106	7149	2.40 ug/L	96
59) o-Xylene	8.715	106	3704	1.22 ug/L	98
60) Styrene	8.731	104	5273	1.14 ug/L	98
61) Bromoform	8.929	173	977	0.86 ug/L	97
62) Isopropylbenzene	9.116	105	9087	1.11 ug/L	97
63) 1,2,3-Trichloropropane	9.484	110	582	1.08 ug/L #	69
65) Bromobenzene	9.441	156	2630	1.22 ug/L	94
66) 1,1,2,2-Tetrachloroethane	9.436	83	2108	1.22 ug/L	97
67) n-Propylbenzene	9.564	91	10743	1.14 ug/L	99
68) 2-Chlorotoluene	9.660	126	2382	1.15 ug/L	96
69) 4-Chlorotoluene	9.783	126	2808	1.69 ug/L #	89
70) 1,3,5-Trimethylbenzene	9.767	105	8534	1.26 ug/L	98
71) tert-Butylbenzene	10.124	134	1949	1.23 ug/L	93
72) 1,2,4-Trimethylbenzene	10.178	105	8896	1.29 ug/L	97
73) sec-Butylbenzene	10.370	105	10420	1.19 ug/L	98
74) p-Isopropyltoluene	10.535	119	8823	1.19 ug/L	95
76) 1,3-Dichlorobenzene	10.487	146	5439	1.18 ug/L	96
77) 1,4-Dichlorobenzene	10.589	146	5468	1.23 ug/L #	65
78) n-Butylbenzene	10.999	91	8491	1.07 ug/L	97
79) 1,2-Dichlorobenzene	11.005	146	4827	1.20 ug/L	97
81) 1,2-Dibromo-3-Chloropr...	11.885	157	330	0.62 ug/L #	84
82) 1,2,4-Trichlorobenzene	12.777	180	3635	1.00 ug/L	98
83) 1,2,3-Trichlorobenzene	13.268	180	3235	0.98 ug/L	97
84) Hexachlorobutadiene	12.953	225	2569	1.06 ug/L	97
85) Naphthalene	13.022	128	8912	1.22 ug/L	96
86) Cyclohexane	4.558	56	2537	0.77 ug/L #	75
88) tert-Butyl Acetate	5.508	57	5466	4.07 ug/L	96

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

Data File: C:\msdchem\1\DATA\111121\V93584.D
DataAcq Meth:8260RUN.M
Acq On : 21 Nov 2011 1:22 pm Operator: Bill Brew
Sample : 1ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 21 16:08:08 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE



Quantitation Report (Not Reviewed)

Data File: C:\msdchem\1\DATA\111121\V93585.D
DataAcq Meth:8260RUN.M
Acq On : 21 Nov 2011 1:45 pm
Sample : 5ppb mega Cal
Misc :
ALS Vial : 4 Sample Multiplier: 1

Operator: Bill Brew
Inst : Instrument #1

Quant Time: Nov 21 16:08:31 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.079	96	338019	50.00	ug/L	0.00
54) Chlorobenzene-d5	8.025	117	242721	50.00	ug/L	0.00
75) 1,4-Dichlorobenzene-d4	10.560	152	130741	50.00	ug/L	0.00
System Monitoring Compounds						
26) Pentafluorobenzene	4.502	168	20101	5.52	ug/L	0.00
Spiked Amount 50.000	Range 89 - 116		Recovery = 11.04%#			
29) 1,2-Dichloroethane-d4	4.774	65	9950	4.97	ug/L	0.00
Spiked Amount 50.000	Range 66 - 106		Recovery = 9.94%#			
45) Toluene-D8	6.562	98	34284	5.19	ug/L	0.00
Spiked Amount 50.000	Range 87 - 107		Recovery = 10.38%#			
64) 4-Bromofluorobenzene	9.279	95	13652	5.46	ug/L	0.00
Spiked Amount 50.000	Range 84 - 97		Recovery = 10.92%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.450	85	12263	9.62	ug/L	99
3) Chloromethane	1.594	50	9397	5.01	ug/L	100
4) Vinyl chloride	1.674	62	8269	4.95	ug/L	99
5) Bromomethane	1.930	94	5703	5.58	ug/L	98
6) Chloroethane	2.010	64	4959	5.36	ug/L	97
7) Trichlorofluoromethane	2.207	101	15187	5.86	ug/L	99
8) Ethyl ether	2.432	59	5626	4.92	ug/L	100
9) Freon 113	2.618	101	7861	5.14	ug/L	100
10) 1,1-Dichloroethene	2.618	61	11462	5.15	ug/L	99
11) Acetone	2.650	43	4339	4.69	ug/L	89
12) Carbon disulfide	2.805	76	19694	4.87	ug/L	99
13) Methyl acetate	2.917	43	4390	4.97	ug/L #	93
14) Methylene chloride	3.003	84	23972	4.85	ug/L	91
15) Acrylonitrile	3.200	53	2244	4.92	ug/L	95
16) tert-Butyl Alcohol	3.083	59	75248	489.67	ug/L	98
17) Methyl tert-butyl Ether	3.227	73	19750	4.98	ug/L	96
18) trans-1,2-Dichloroethene	3.232	61	11087	5.24	ug/L	99
19) 1,1-Dichloroethane	3.579	63	14405	5.08	ug/L	98
20) Vinyl acetate	3.611	43	11052	5.00	ug/L	99
21) 2,2-Dichloropropane	4.070	77	14204	5.15	ug/L	100
22) 2-Butanone	4.075	72	1153	6.16	ug/L	96
23) cis-1,2-Dichloroethene	4.065	96	10535	5.45	ug/L	98
24) Bromochloromethane	4.273	128	4541	5.13	ug/L #	91
25) Chloroform	4.337	83	16562	5.15	ug/L	99
27) Tetrahydrofuran	4.321	42	3822	5.06	ug/L	89
28) 1,1,1-Trichloroethane	4.502	97	14513	4.97	ug/L	95
30) Carbon Tetrachloride	4.652	117	12000	4.84	ug/L	99
31) Benzene	4.833	78	36588	5.51	ug/L	99
32) 1,2-Dichloroethane	4.844	62	12128	5.28	ug/L	99
33) Trichloroethene	5.410	130	9922	4.98	ug/L	99
34) Methylcyclohexane	5.591	83	15962	5.15	ug/L	96
36) 1,2-Dichloropropane	5.618	63	9087	5.18	ug/L	98
38) Dibromomethane	5.724	93	5027	5.08	ug/L	93
39) Bromodichloromethane	5.868	83	11152	4.65	ug/L	100
40) 2-Chloroethyl vinyl Ether	6.151	63	955	3.61	ug/L	93

11/21/11

Data File: C:\msdchem\1\DATA\111121\V93585.D
DataAcq Meth:8260RUN.M
Acq On : 21 Nov 2011 1:45 pm Operator: Bill Brew
Sample : 5ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 4 Sample Multiplier: 1

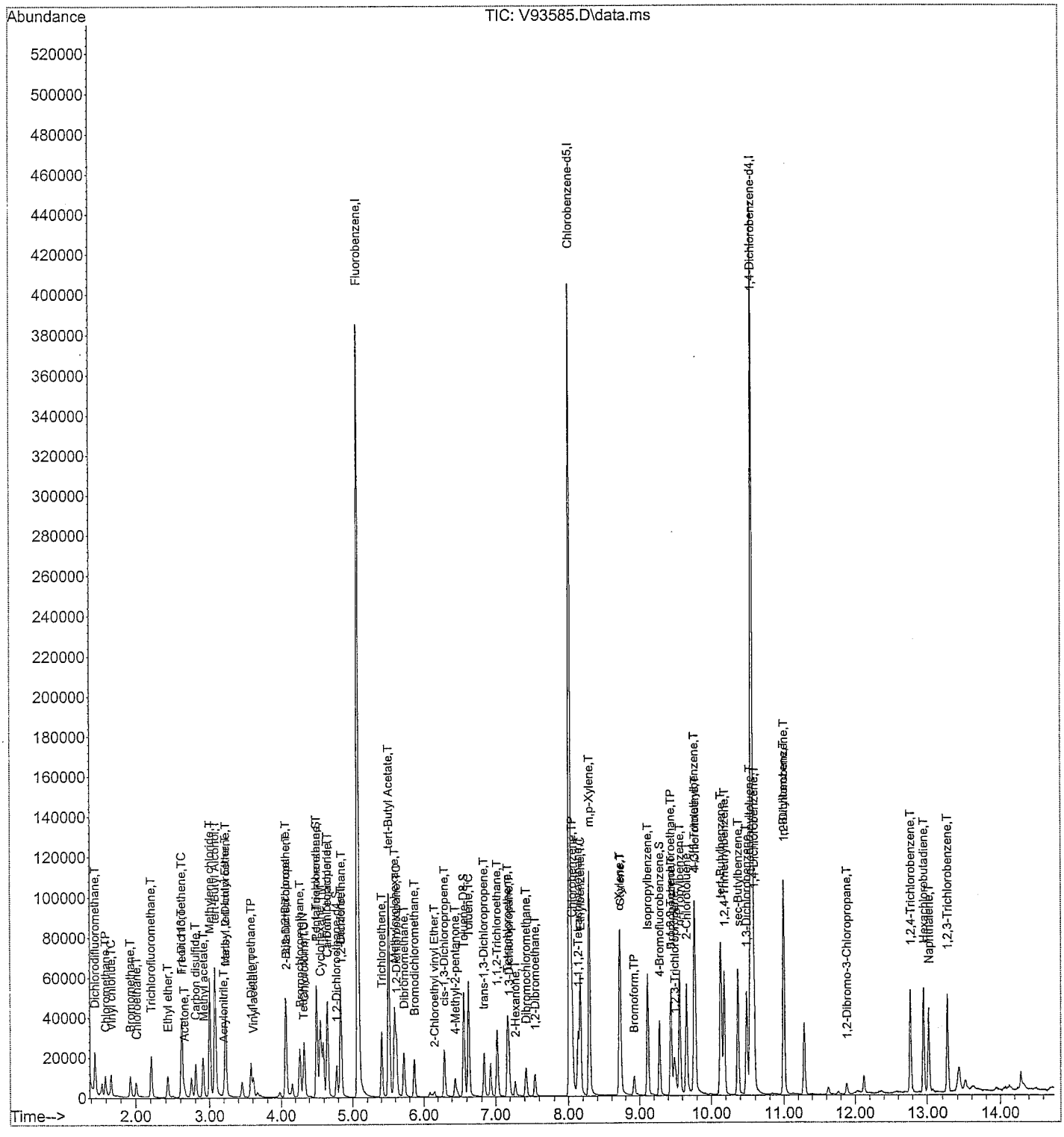
Quant Time: Nov 21 16:08:31 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) 1,1-Dichloropropene	4.646	75	12483	5.41 ug/L	98
43) cis-1,3-Dichloropropene	6.295	75	12788	4.62 ug/L	95
44) 4-Methyl-2-pentanone	6.445	58	2360	4.11 ug/L	93
46) Toluene	6.626	91	41028	5.42 ug/L	99
47) trans-1,3-Dichloropropene	6.834	75	11513	4.64 ug/L	95
48) 1,1,2-Trichloroethane	7.021	97	7712	5.01 ug/L	98
49) 1,3-Dichloropropane	7.192	76	12328	5.10 ug/L	97
50) Tetrachloroethene	7.171	166	11363	5.04 ug/L	99
51) 2-Hexanone	7.277	43	4635	4.53 ug/L	95
52) Dibromochloromethane	7.421	129	7889	4.44 ug/L	99
53) 1,2-Dibromoethane	7.544	107	7303	4.79 ug/L	99
55) Chlorobenzene	8.051	112	26026	5.18 ug/L	95
56) 1,1,1,2-Tetrachloroethane	8.137	131	9055	4.75 ug/L	99
57) Ethylbenzene	8.169	91	43707	5.15 ug/L	99
58) m,p-Xylene	8.291	106	33052	10.92 ug/L	95
59) o-Xylene	8.713	106	16395	5.29 ug/L	97
60) Styrene	8.729	104	25555	5.44 ug/L	100
61) Bromoform	8.921	173	4749	4.10 ug/L	98
62) Isopropylbenzene	9.113	105	42100	5.06 ug/L	100
63) 1,2,3-Trichloropropane	9.492	110	2753	5.02 ug/L #	54
65) Bromobenzene	9.444	156	11411	5.20 ug/L	92
66) 1,1,2,2-Tetrachloroethane	9.439	83	9014	5.14 ug/L	98
67) n-Propylbenzene	9.567	91	49965	5.22 ug/L	99
68) 2-Chlorotoluene	9.658	126	11129	5.30 ug/L	99
69) 4-Chlorotoluene	9.775	126	11744	6.95 ug/L	91
70) 1,3,5-Trimethylbenzene	9.764	105	37267	5.40 ug/L	100
71) tert-Butylbenzene	10.127	134	8221	5.12 ug/L	99
72) 1,2,4-Trimethylbenzene	10.181	105	35907	5.13 ug/L	99
73) sec-Butylbenzene	10.373	105	44916	5.05 ug/L	98
74) p-Isopropyltoluene	10.533	119	38485	5.08 ug/L	98
76) 1,3-Dichlorobenzene	10.485	146	22488	4.83 ug/L	98
77) 1,4-Dichlorobenzene	10.586	146	21897	4.85 ug/L	91
78) n-Butylbenzene	10.997	91	38514	4.79 ug/L	98
79) 1,2-Dichlorobenzene	11.002	146	20910	5.14 ug/L	98
81) 1,2-Dibromo-3-Chloropr...	11.883	157	1680	3.10 ug/L	98
82) 1,2,4-Trichlorobenzene	12.774	180	16930	4.58 ug/L	94
83) 1,2,3-Trichlorobenzene	13.265	180	14744	4.41 ug/L	98
84) Hexachlorobutadiene	12.956	225	10985	4.48 ug/L	99
85) Naphthalene	13.025	128	31480	4.26 ug/L	99
86) Cyclohexane	4.556	56	16938	5.10 ug/L	95
88) tert-Butyl Acetate	5.506	57	30135	22.18 ug/L	93

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

Data File: C:\msdchem\1\DATA\111121\V93585.D
DataAcq Meth:8260RUN.M
Acq On : 21 Nov 2011 1:45 pm Operator: Bill Brew
Sample : 5ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 21 16:08:31 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE



Data File: C:\msdchem\1\DATA\111121\V93586.D
DataAcq Meth:8260RUN.M
Acq On : 21 Nov 2011 2:08 pm Operator: Bill Brew
Sample : 20ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 21 16:08:46 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.073	96	389454	50.00	ug/L	0.00
54) Chlorobenzene-d5	8.019	117	265419	50.00	ug/L	0.00
75) 1,4-Dichlorobenzene-d4	10.560	152	125715	50.00	ug/L	0.00
System Monitoring Compounds						
26) Pentafluorobenzene	4.508	168	91814	21.90	ug/L	0.00
Spiked Amount 50.000	Range 89 - 116		Recovery = 43.80%#			
29) 1,2-Dichloroethane-d4	4.780	65	45690	19.82	ug/L	0.00
Spiked Amount 50.000	Range 66 - 106		Recovery = 39.64%#			
45) Toluene-D8	6.562	98	160451	21.10	ug/L	0.00
Spiked Amount 50.000	Range 87 - 107		Recovery = 42.20%#			
64) 4-Bromofluorobenzene	9.279	95	55546	20.30	ug/L	0.00
Spiked Amount 50.000	Range 84 - 97		Recovery = 40.60%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.450	85	32432	22.07	ug/L	99
3) Chloromethane	1.594	50	43431	20.08	ug/L	98
4) Vinyl chloride	1.674	62	41463	21.55	ug/L	99
5) Bromomethane	1.930	94	24003	21.01	ug/L	99
6) Chloroethane	2.005	64	24304	22.79	ug/L	98
7) Trichlorofluoromethane	2.207	101	65294	21.88	ug/L	99
8) Ethyl ether	2.432	59	27732	21.07	ug/L	100
9) Freon 113	2.618	101	37672	21.38	ug/L	99
10) 1,1-Dichloroethene	2.618	61	55038	21.48	ug/L	98
11) Acetone	2.656	43	12199	19.55	ug/L	96
12) Carbon disulfide	2.805	76	100233	21.51	ug/L	100
13) Methyl acetate	2.917	43	20920	20.57	ug/L #	90
14) Methylene chloride	3.003	84	51980	19.50	ug/L	91
15) Acrylonitrile	3.205	53	10324	19.65	ug/L	96
16) tert-Butyl Alcohol	3.083	59	365000	2061.50	ug/L	98
17) Methyl tert-butyl Ether	3.227	73	96400	21.11	ug/L	97
18) trans-1,2-Dichloroethene	3.232	61	50395	20.69	ug/L	96
19) 1,1-Dichloroethane	3.579	63	69253	21.21	ug/L	99
20) Vinyl acetate	3.611	43	49510	19.45	ug/L	94
21) 2,2-Dichloropropane	4.070	77	68377	21.52	ug/L	100
22) 2-Butanone	4.075	72	4466	20.70	ug/L	98
23) cis-1,2-Dichloroethene	4.065	96	49406	22.17	ug/L	98
24) Bromochloromethane	4.273	128	21894	21.49	ug/L #	89
25) Chloroform	4.337	83	78996	21.30	ug/L	100
27) Tetrahydrofuran	4.321	42	17990	20.65	ug/L	91
28) 1,1,1-Trichloroethane	4.508	97	71874	21.37	ug/L	98
30) Carbon Tetrachloride	4.652	117	60906	21.31	ug/L	99
31) Benzene	4.833	78	167488	21.88	ug/L	99
32) 1,2-Dichloroethane	4.844	62	54783	20.72	ug/L	99
33) Trichloroethene	5.410	130	48598	21.15	ug/L	98
34) Methylcyclohexane	5.591	83	78090	21.88	ug/L	95
36) 1,2-Dichloropropane	5.618	63	43825	21.70	ug/L	95
38) Dibromomethane	5.724	93	24362	21.36	ug/L	96
39) Bromodichloromethane	5.869	83	57807	20.94	ug/L	100
40) 2-Chloroethyl vinyl Ether	6.151	63	5837	19.14	ug/L	96

11/21 AB

Data File: C:\msdchem\1\DATA\111121\V93586.D
DataAcq Meth:8260RUN.M
Acq On : 21 Nov 2011 2:08 pm Operator: Bill Brew
Sample : 20ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 5 Sample Multiplier: 1

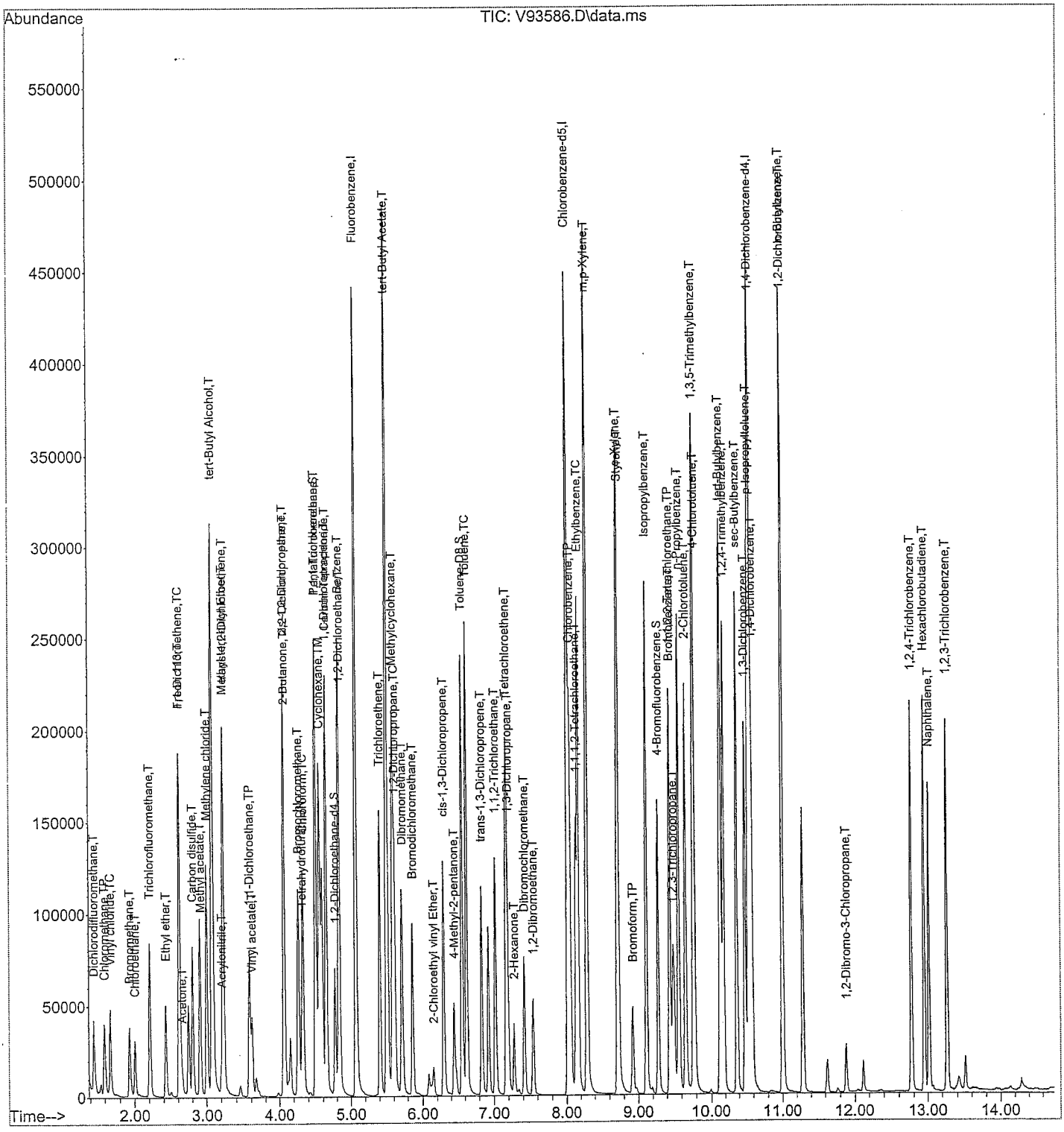
Quant Time: Nov 21 16:08:46 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) 1,1-Dichloropropene	4.646	75	58014	21.83 ug/L	99
43) cis-1,3-Dichloropropene	6.295	75	68145	21.37 ug/L	94
44) 4-Methyl-2-pentanone	6.445	58	13236	19.99 ug/L	94
46) Toluene	6.626	91	186950	21.43 ug/L	98
47) trans-1,3-Dichloropropene	6.835	75	58884	20.58 ug/L	95
48) 1,1,2-Trichloroethane	7.021	97	36182	20.39 ug/L	98
49) 1,3-Dichloropropane	7.192	76	58476	21.00 ug/L	99
50) Tetrachloroethene	7.171	166	54702	21.07 ug/L	98
51) 2-Hexanone	7.277	43	22512	19.08 ug/L	94
52) Dibromochloromethane	7.422	129	40980	20.01 ug/L	100
53) 1,2-Dibromoethane	7.544	107	35343	20.13 ug/L	100
55) Chlorobenzene	8.051	112	114316	20.82 ug/L	99
56) 1,1,1,2-Tetrachloroethane	8.137	131	43733	20.99 ug/L	99
57) Ethylbenzene	8.169	91	197144	21.24 ug/L	99
58) m,p-Xylene	8.291	106	142719	43.12 ug/L	94
59) o-Xylene	8.713	106	71157	20.98 ug/L	95
60) Styrene	8.729	104	110091	21.41 ug/L	99
61) Bromoform	8.927	173	23961	18.90 ug/L	99
62) Isopropylbenzene	9.113	105	191194	21.01 ug/L	100
63) 1,2,3-Trichloropropane	9.487	110	11742	19.57 ug/L #	81
65) Bromobenzene	9.444	156	48766	20.33 ug/L	91
66) 1,1,2,2-Tetrachloroethane	9.439	83	37897	19.75 ug/L	99
67) n-Propylbenzene	9.567	91	211805	20.23 ug/L	99
68) 2-Chlorotoluene	9.658	126	46546	20.28 ug/L	94
69) 4-Chlorotoluene	9.780	126	45113	24.40 ug/L	98
70) 1,3,5-Trimethylbenzene	9.764	105	150947	20.00 ug/L	100
71) tert-Butylbenzene	10.122	134	35583	20.27 ug/L	97
72) 1,2,4-Trimethylbenzene	10.181	105	149920	19.57 ug/L	100
73) sec-Butylbenzene	10.367	105	196366	20.20 ug/L	98
74) p-Isopropyltoluene	10.533	119	166175	20.07 ug/L	100
76) 1,3-Dichlorobenzene	10.485	146	90109	20.13 ug/L	100
77) 1,4-Dichlorobenzene	10.586	146	85358	19.68 ug/L	98
78) n-Butylbenzene	10.997	91	162830	21.07 ug/L	98
79) 1,2-Dichlorobenzene	11.003	146	82603	21.12 ug/L	99
81) 1,2-Dibromo-3-Chloropr...	11.883	157	7889	15.13 ug/L	99
82) 1,2,4-Trichlorobenzene	12.774	180	70170	19.73 ug/L	98
83) 1,2,3-Trichlorobenzene	13.265	180	62823	19.56 ug/L	99
84) Hexachlorobutadiene	12.956	225	46493	19.72 ug/L	99
85) Naphthalene	13.025	128	131357	18.48 ug/L	100
86) Cyclohexane	4.561	56	72303	22.66 ug/L	89
88) tert-Butyl Acetate	5.506	57	151873	116.24 ug/L	93

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

Data File: C:\msdchem\1\DATA\111121\V93586.D
DataAcq Meth:8260RUN.M
Acq On : 21 Nov 2011 2:08 pm Operator: Bill Brew
Sample : 20ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 21 16:08:46 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE



Data File: C:\msdchem\1\DATA\111121\V93587.D
DataAcq Meth:8260RUN.M
Acq On : 21 Nov 2011 2:31 pm Operator: Bill Brew
Sample : 50ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 21 16:08:55 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	5.075	96	335697	50.00	ug/L		0.00
54) Chlorobenzene-d5	8.021	117	241913	50.00	ug/L		0.00
75) 1,4-Dichlorobenzene-d4	10.561	152	116728	50.00	ug/L		0.00
System Monitoring Compounds							
26) Pentafluorobenzene	4.509	168	196651	54.42	ug/L		0.00
Spiked Amount 50.000	Range 89 - 116		Recovery = 108.84%				
29) 1,2-Dichloroethane-d4	4.776	65	98428	49.53	ug/L		0.00
Spiked Amount 50.000	Range 66 - 106		Recovery = 99.06%				
45) Toluene-D8	6.564	98	337255	51.45	ug/L		0.00
Spiked Amount 50.000	Range 87 - 107		Recovery = 102.90%				
64) 4-Bromofluorobenzene	9.280	95	131709	52.81	ug/L		0.00
Spiked Amount 50.000	Range 84 - 97		Recovery = 105.62%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.451	85	70006	55.28	ug/L		100
3) Chloromethane	1.595	50	99978	53.63	ug/L		99
4) Vinyl chloride	1.675	62	90747	54.73	ug/L		100
5) Bromomethane	1.926	94	50553	55.16	ug/L		99
6) Chloroethane	2.006	64	52985	57.63	ug/L		98
7) Trichlorofluoromethane	2.209	101	143078	55.63	ug/L		99
8) Ethyl ether	2.433	59	61515	54.21	ug/L		100
9) Freon 113	2.620	101	84067	55.34	ug/L		99
10) 1,1-Dichloroethene	2.620	61	122294	55.38	ug/L		99
11) Acetone	2.652	43	25469	52.79	ug/L		96
12) Carbon disulfide	2.807	76	227133	56.55	ug/L		99
13) Methyl acetate	2.919	43	46112	52.60	ug/L	#	91
14) Methylene chloride	3.004	84	93919	53.76	ug/L		91
15) Acrylonitrile	3.202	53	24044	53.09	ug/L		96
16) tert-Butyl Alcohol	3.084	59	819887	5372.22	ug/L		98
17) Methyl tert-butyl Ether	3.228	73	216298	54.95	ug/L		96
18) trans-1,2-Dichloroethene	3.234	61	116432	55.46	ug/L		98
19) 1,1-Dichloroethane	3.580	63	152467	54.17	ug/L		100
20) Vinyl acetate	3.612	43	117528	53.56	ug/L		95
21) 2,2-Dichloropropane	4.071	77	152268	55.60	ug/L		99
22) 2-Butanone	4.077	72	10034	53.94	ug/L		92
23) cis-1,2-Dichloroethene	4.066	96	107384	55.90	ug/L		97
24) Bromochloromethane	4.274	128	47898	54.53	ug/L	#	88
25) Chloroform	4.338	83	170945	53.47	ug/L		99
27) Tetrahydrofuran	4.322	42	40939	54.53	ug/L		93
28) 1,1,1-Trichloroethane	4.504	97	157529	54.35	ug/L		99
30) Carbon Tetrachloride	4.653	117	135592	55.05	ug/L		100
31) Benzene	4.835	78	355024	53.81	ug/L		99
32) 1,2-Dichloroethane	4.845	62	119599	52.47	ug/L		99
33) Trichloroethene	5.411	130	107795	54.43	ug/L		98
34) Methylcyclohexane	5.592	83	169041	54.94	ug/L		94
36) 1,2-Dichloropropane	5.619	63	93387	53.65	ug/L		97
38) Dibromomethane	5.726	93	53268	54.19	ug/L		95
39) Bromodichloromethane	5.870	83	129669	54.49	ug/L		99
40) 2-Chloroethyl vinyl Ether	6.153	63	14373	54.67	ug/L		97

11/21 BB

Data File: C:\msdchem\1\DATA\111121\V93587.D
DataAcq Meth:8260RUN.M
Acq On : 21 Nov 2011 2:31 pm Operator: Bill Brew
Sample : 50ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 6 Sample Multiplier: 1

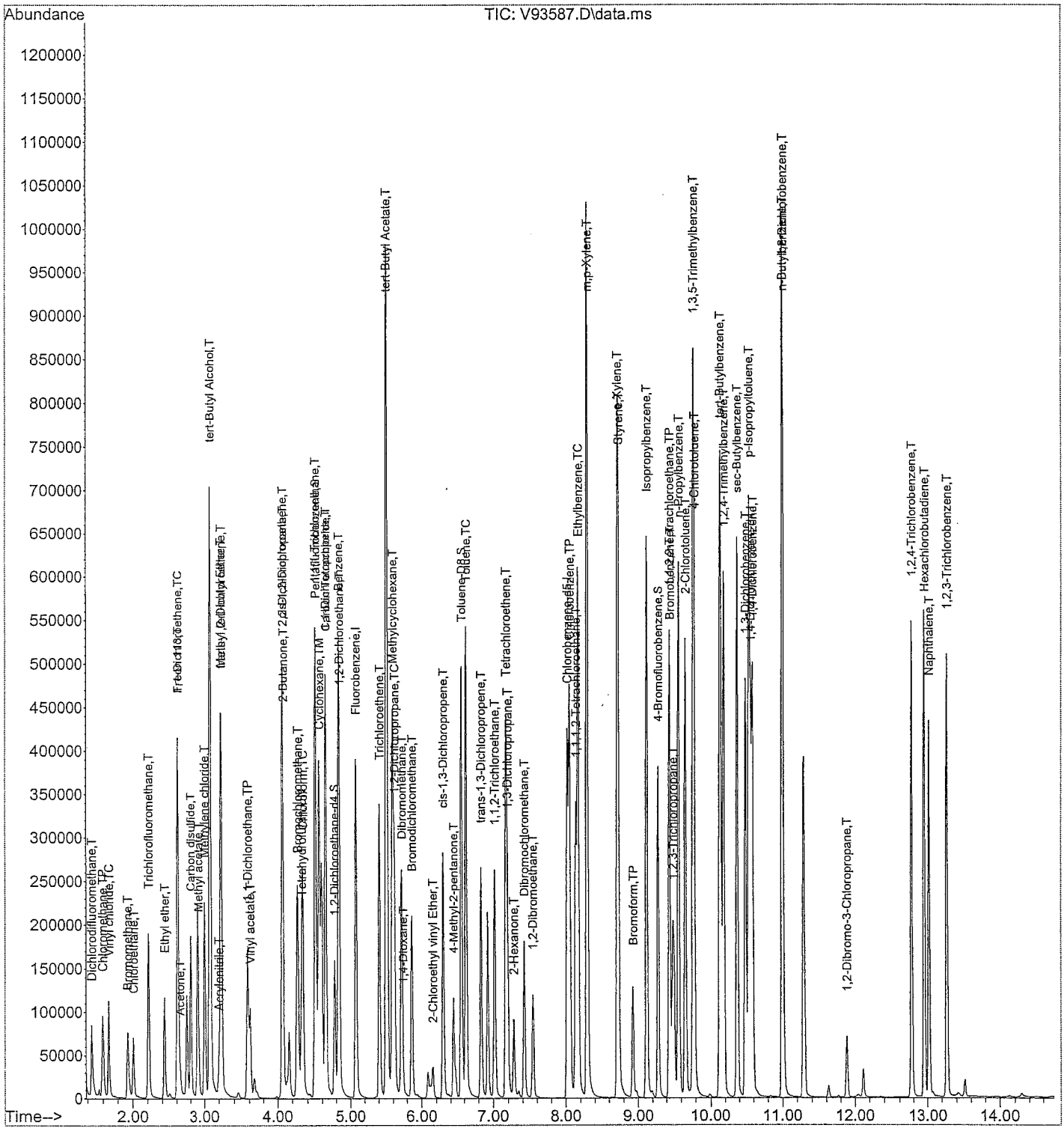
Quant Time: Nov 21 16:08:55 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) 1,1-Dichloropropene	4.648	75	124106	54.17 ug/L	100
43) cis-1,3-Dichloropropene	6.297	75	152463	55.47 ug/L	95
44) 4-Methyl-2-pentanone	6.446	58	30730	53.85 ug/L	94
46) Toluene	6.628	91	388329	51.65 ug/L	98
47) trans-1,3-Dichloropropene	6.836	75	136079	55.17 ug/L	95
48) 1,1,2-Trichloroethane	7.023	97	80116	52.38 ug/L	98
49) 1,3-Dichloropropane	7.193	76	129430	53.91 ug/L	99
50) Tetrachloroethene	7.172	166	121742	54.39 ug/L	99
51) 2-Hexanone	7.274	43	54762	53.85 ug/L	96
52) Dibromochloromethane	7.423	129	97723	55.37 ug/L	100
53) 1,2-Dibromoethane	7.540	107	81954	54.16 ug/L	99
55) Chlorobenzene	8.053	112	260207	51.99 ug/L	98
56) 1,1,1,2-Tetrachloroethane	8.138	131	100906	53.13 ug/L	99
57) Ethylbenzene	8.170	91	449075	53.10 ug/L	98
58) m,p-Xylene	8.293	106	313098	103.78 ug/L	93
59) o-Xylene	8.714	106	163459	52.88 ug/L	94
60) Styrene	8.730	104	249731	53.29 ug/L	97
61) Bromoform	8.928	173	64267	55.63 ug/L	100
62) Isopropylbenzene	9.115	105	448180	54.04 ug/L	100
63) 1,2,3-Trichloropropane	9.488	110	28660	52.41 ug/L #	87
65) Bromobenzene	9.446	156	115311	52.74 ug/L	92
66) 1,1,2,2-Tetrachloroethane	9.440	83	92464	52.87 ug/L	99
67) n-Propylbenzene	9.568	91	508244	53.26 ug/L	99
68) 2-Chlorotoluene	9.659	126	109063	52.15 ug/L	97
69) 4-Chlorotoluene	9.782	126	103531	61.44 ug/L	99
70) 1,3,5-Trimethylbenzene	9.766	105	358027	52.04 ug/L	100
71) tert-Butylbenzene	10.123	134	85427	53.38 ug/L	99
72) 1,2,4-Trimethylbenzene	10.177	105	361046	51.71 ug/L	100
73) sec-Butylbenzene	10.369	105	475031	53.61 ug/L	98
74) p-Isopropyltoluene	10.534	119	400832	53.12 ug/L	100
76) 1,3-Dichlorobenzene	10.486	146	215221	51.78 ug/L	100
77) 1,4-Dichlorobenzene	10.588	146	205323	50.98 ug/L	100
78) n-Butylbenzene	10.999	91	384757	53.62 ug/L	98
79) 1,2-Dichlorobenzene	11.004	146	187655	51.67 ug/L	99
81) 1,2-Dibromo-3-Chloropr...	11.885	157	21693	44.81 ug/L	98
82) 1,2,4-Trichlorobenzene	12.770	180	176031	53.32 ug/L	100
83) 1,2,3-Trichlorobenzene	13.267	180	159428	53.45 ug/L	99
84) Hexachlorobutadiene	12.957	225	115721	52.87 ug/L	100
85) Naphthalene	13.021	128	333776	50.58 ug/L	100
86) Cyclohexane	4.562	56	153524	51.82 ug/L	88
87) 1,4-Dioxane	5.742	88	1158	51.39 ug/L #	66
88) tert-Butyl Acetate	5.507	57	334144	275.43 ug/L	90

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

Data File: C:\msdchem\1\DATA\111121\V93587.D
DataAcq Meth:8260RUN.M
Acq On : 21 Nov 2011 2:31 pm Operator: Bill Brew
Sample : 50ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 21 16:08:55 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE



Data File: C:\msdchem\1\DATA\111121\V93588.D
DataAcq Meth:8260RUN.M
Acq On : 21 Nov 2011 2:54 pm Operator: Bill Brew
Sample : 100ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 21 16:09:03 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	5.077	96	338988	50.00	ug/L		0.00
54) Chlorobenzene-d5	8.023	117	242578	50.00	ug/L		0.00
75) 1,4-Dichlorobenzene-d4	10.564	152	112410	50.00	ug/L		0.00
System Monitoring Compounds							
26) Pentafluorobenzene	4.506	168	343529	94.15	ug/L		0.00
Spiked Amount 50.000	Range 89 - 116		Recovery = 188.30%#				
29) 1,2-Dichloroethane-d4	4.778	65	186177	92.77	ug/L		0.00
Spiked Amount 50.000	Range 66 - 106		Recovery = 185.54%#				
45) Toluene-D8	6.561	98	605265	91.45	ug/L		0.00
Spiked Amount 50.000	Range 87 - 107		Recovery = 182.90%#				
64) 4-Bromofluorobenzene	9.277	95	241796	96.68	ug/L		0.00
Spiked Amount 50.000	Range 84 - 97		Recovery = 193.36%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.454	85	125981	98.51	ug/L		98
3) Chloromethane	1.598	50	191422	101.68	ug/L		99
4) Vinyl chloride	1.672	62	168958	100.91	ug/L		100
5) Bromomethane	1.923	94	80424	95.24	ug/L		99
6) Chloroethane	2.003	64	91150	98.19	ug/L		97
7) Trichlorofluoromethane	2.206	101	259955	100.10	ug/L		99
8) Ethyl ether	2.430	59	117052	102.15	ug/L		100
9) Freon 113	2.617	101	146807	95.70	ug/L		98
10) 1,1-Dichloroethene	2.622	61	220078	98.70	ug/L		100
11) Acetone	2.654	43	49030	98.67	ug/L		100
12) Carbon disulfide	2.804	76	386861	95.38	ug/L		100
13) Methyl acetate	2.921	43	87051	98.34	ug/L	#	90
14) Methylene chloride	3.001	84	159453	98.41	ug/L		91
15) Acrylonitrile	3.204	53	45531	99.56	ug/L		100
16) tert-Butyl Alcohol	3.092	59	1494070	9694.70	ug/L		99
17) Methyl tert-butyl Ether	3.231	73	396505	99.76	ug/L		98
18) trans-1,2-Dichloroethene	3.231	61	209126	98.64	ug/L		97
19) 1,1-Dichloroethane	3.583	63	286530	100.81	ug/L		98
20) Vinyl acetate	3.615	43	226601	102.26	ug/L		95
21) 2,2-Dichloropropane	4.069	77	273987	99.07	ug/L		98
22) 2-Butanone	4.079	72	18054	96.12	ug/L	#	89
23) cis-1,2-Dichloroethene	4.063	96	185852	95.80	ug/L		99
24) Bromochloromethane	4.271	128	87799	98.99	ug/L	#	88
25) Chloroform	4.335	83	315148	97.63	ug/L		100
27) Tetrahydrofuran	4.319	42	74476	98.23	ug/L		90
28) 1,1,1-Trichloroethane	4.506	97	285545	97.56	ug/L		99
30) Carbon Tetrachloride	4.656	117	250870	100.86	ug/L		100
31) Benzene	4.832	78	628151	94.28	ug/L		100
32) 1,2-Dichloroethane	4.848	62	222127	96.50	ug/L		99
33) Trichloroethene	5.408	130	195586	97.80	ug/L		99
34) Methylcyclohexane	5.595	83	302914	97.49	ug/L		95
36) 1,2-Dichloropropane	5.622	63	172954	98.40	ug/L		96
38) Dibromomethane	5.728	93	98634	99.37	ug/L		96
39) Bromodichloromethane	5.867	83	246169	102.44	ug/L		99
40) 2-Chloroethyl vinyl Ether	6.150	63	28442	107.14	ug/L		98

11/21/AB

Data File: C:\msdchem\1\DATA\111121\V93588.D
DataAcq Meth:8260RUN.M
Acq On : 21 Nov 2011 2:54 pm Operator: Bill Brew
Sample : 100ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 7 Sample Multiplier: 1

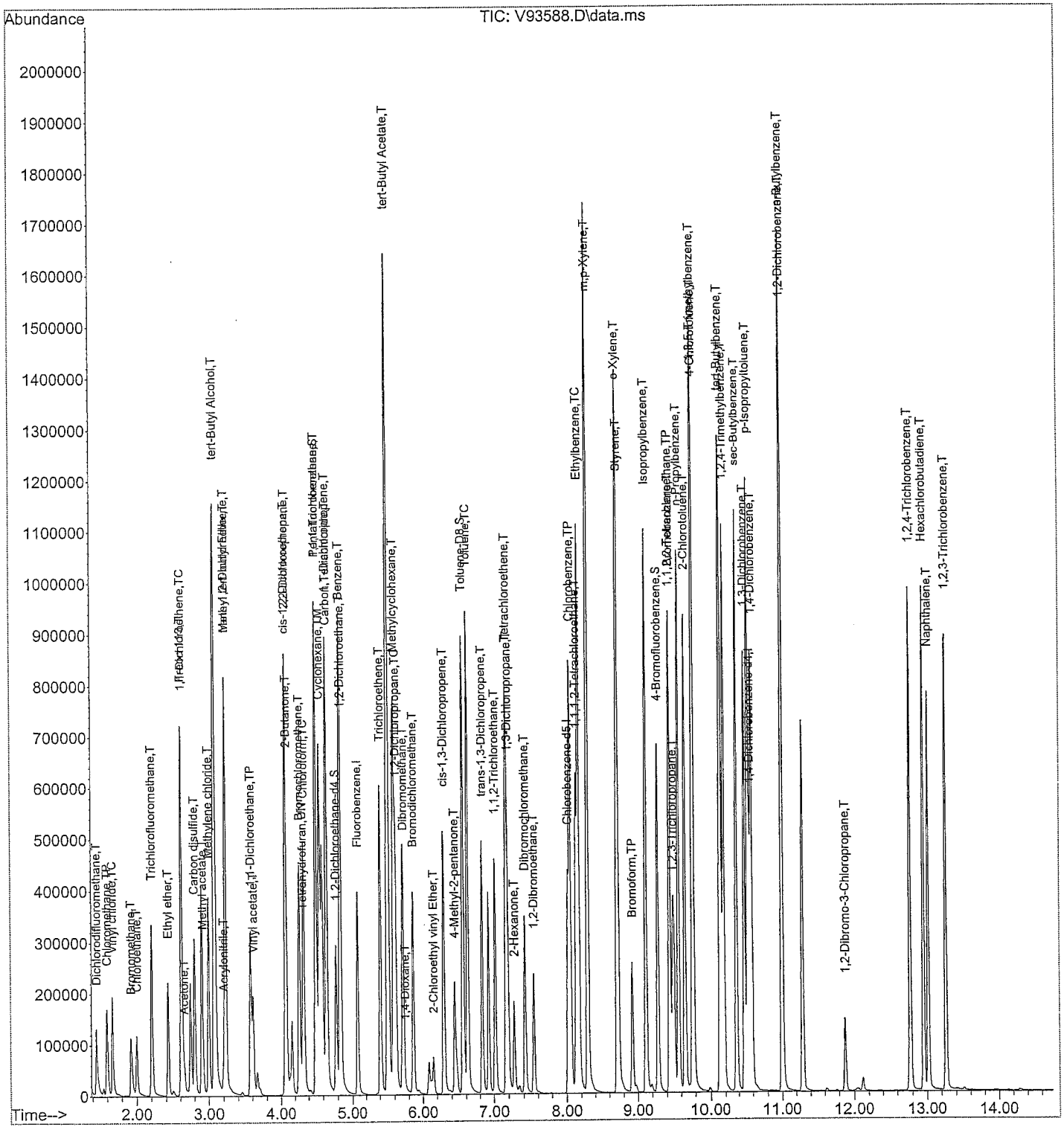
Quant Time: Nov 21 16:09:03 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 1,1-Dichloropropene	4.650	75	225253	97.37	ug/L		99
43) cis-1,3-Dichloropropene	6.294	75	286054	103.06	ug/L		95
44) 4-Methyl-2-pentanone	6.444	58	60055	104.21	ug/L		94
46) Toluene	6.625	91	687400	90.54	ug/L		99
47) trans-1,3-Dichloropropene	6.838	75	257271	103.30	ug/L		96
48) 1,1,2-Trichloroethane	7.020	97	145112	93.96	ug/L		99
49) 1,3-Dichloropropane	7.191	76	236078	97.38	ug/L		100
50) Tetrachloroethene	7.175	166	218503	96.67	ug/L		99
51) 2-Hexanone	7.276	43	105261	102.50	ug/L		95
52) Dibromochloromethane	7.420	129	187428	105.16	ug/L		100
53) 1,2-Dibromoethane	7.543	107	154628	101.20	ug/L		100
55) Chlorobenzene	8.055	112	479893	95.61	ug/L		98
56) 1,1,1,2-Tetrachloroethane	8.135	131	187267	98.33	ug/L		98
57) Ethylbenzene	8.167	91	806425	95.08	ug/L		99
58) m,p-Xylene	8.295	106	548339	181.26	ug/L		93
59) o-Xylene	8.717	106	283371	91.42	ug/L		93
60) Styrene	8.733	104	433459	92.24	ug/L		97
61) Bromoform	8.925	173	125426	108.27	ug/L		100
62) Isopropylbenzene	9.117	105	778797	93.64	ug/L		100
63) 1,2,3-Trichloropropane	9.485	110	53353	97.29	ug/L	#	87
65) Bromobenzene	9.443	156	205357	93.67	ug/L		93
66) 1,1,2,2-Tetrachloroethane	9.437	83	164894	94.02	ug/L		99
67) n-Propylbenzene	9.566	91	900646	94.13	ug/L		99
68) 2-Chlorotoluene	9.662	126	197891	94.36	ug/L		98
69) 4-Chlorotoluene	9.779	126	178363	105.56	ug/L		96
70) 1,3,5-Trimethylbenzene	9.763	105	628053	91.04	ug/L		99
71) tert-Butylbenzene	10.126	134	148464	92.52	ug/L		96
72) 1,2,4-Trimethylbenzene	10.179	105	647211	92.44	ug/L		100
73) sec-Butylbenzene	10.371	105	830567	93.48	ug/L		98
74) p-Isopropyltoluene	10.537	119	709350	93.75	ug/L		99
76) 1,3-Dichlorobenzene	10.489	146	382351	95.53	ug/L		99
77) 1,4-Dichlorobenzene	10.590	146	367357	94.72	ug/L		100
78) n-Butylbenzene	10.996	91	669030	96.82	ug/L		98
79) 1,2-Dichlorobenzene	11.006	146	321595	91.96	ug/L		100
81) 1,2-Dibromo-3-Chloropr...	11.882	157	43672	93.67	ug/L		99
82) 1,2,4-Trichlorobenzene	12.773	180	320444	100.78	ug/L		100
83) 1,2,3-Trichlorobenzene	13.269	180	292994	102.00	ug/L		100
84) Hexachlorobutadiene	12.954	225	205351	97.42	ug/L		99
85) Naphthalene	13.024	128	623999	98.18	ug/L		100
86) Cyclohexane	4.560	56	289871	101.60	ug/L		92
87) 1,4-Dioxane	5.750	88	2231	102.81	ug/L		94
88) tert-Butyl Acetate	5.510	57	599057	512.75	ug/L	#	88

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

Data File: C:\msdchem\1\DATA\111121\V93588.D
DataAcq Meth:8260RUN.M
Acq On : 21 Nov 2011 2:54 pm Operator: Bill Brew
Sample : 100ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 21 16:09:03 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE



Quantitation Report (Not Reviewed)

Data File: C:\msdchem\1\DATA\111121\V93589.D
DataAcq Meth:8260RUN.M
Acq On : 21 Nov 2011 3:17 pm Operator: Bill Brew
Sample : 150ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 21 16:09:11 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	5.076	96	329664	50.00	ug/L		0.00
54) Chlorobenzene-d5	8.022	117	238505	50.00	ug/L		0.00
75) 1,4-Dichlorobenzene-d4	10.562	152	107585	50.00	ug/L		0.00
System Monitoring Compounds							
26) Pentafluorobenzene	4.505	168	491624	138.55	ug/L		0.00
Spiked Amount 50.000	Range 89 - 116		Recovery = 277.10%#				
29) 1,2-Dichloroethane-d4	4.777	65	275875	141.36	ug/L		0.00
Spiked Amount 50.000	Range 66 - 106		Recovery = 282.72%#				
45) Toluene-D8	6.559	98	853475	132.59	ug/L		0.00
Spiked Amount 50.000	Range 87 - 107		Recovery = 265.18%#				
64) 4-Bromofluorobenzene	9.281	95	351663	143.02	ug/L		0.00
Spiked Amount 50.000	Range 84 - 97		Recovery = 286.04%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.452	85	189186	152.12	ug/L		99
3) Chloromethane	1.596	50	277820	151.75	ug/L		99
4) Vinyl chloride	1.676	62	240009	147.40	ug/L		99
5) Bromomethane	1.922	94	106340	148.35	ug/L		97
6) Chloroethane	2.002	64	119976	132.89	ug/L		99
7) Trichlorofluoromethane	2.205	101	384241	152.14	ug/L		98
8) Ethyl ether	2.429	59	168218	150.96	ug/L		100
9) Freon 113	2.616	101	220542	147.83	ug/L		99
10) 1,1-Dichloroethene	2.616	61	322910	148.91	ug/L		100
11) Acetone	2.653	43	76104	149.59	ug/L		99
12) Carbon disulfide	2.808	76	609076	154.42	ug/L		100
13) Methyl acetate	2.920	43	130484	151.58	ug/L	#	91
14) Methylene chloride	3.005	84	231822	152.93	ug/L		90
15) Acrylonitrile	3.203	53	67901	152.68	ug/L		99
16) tert-Butyl Alcohol	3.091	59	2117080	14125.81	ug/L		98
17) Methyl tert-butyl Ether	3.229	73	580296	150.12	ug/L		96
18) trans-1,2-Dichloroethene	3.229	61	303430	147.17	ug/L		98
19) 1,1-Dichloroethane	3.576	63	419030	151.60	ug/L		99
20) Vinyl acetate	3.614	43	333730	154.87	ug/L		95
21) 2,2-Dichloropropane	4.067	77	401997	149.47	ug/L		97
22) 2-Butanone	4.078	72	26351	144.26	ug/L	#	86
23) cis-1,2-Dichloroethene	4.067	96	269628	142.92	ug/L		100
24) Bromochloromethane	4.275	128	127602	147.93	ug/L	#	89
25) Chloroform	4.334	83	457141	145.62	ug/L		99
27) Tetrahydrofuran	4.318	42	107060	145.20	ug/L		89
28) 1,1,1-Trichloroethane	4.505	97	422675	148.49	ug/L		98
30) Carbon Tetrachloride	4.654	117	372077	153.82	ug/L		99
31) Benzene	4.836	78	885527	136.67	ug/L		100
32) 1,2-Dichloroethane	4.846	62	322542	144.09	ug/L		99
33) Trichloroethene	5.412	130	285012	146.54	ug/L		99
34) Methylcyclohexane	5.594	83	439908	145.59	ug/L		95
36) 1,2-Dichloropropane	5.620	63	245639	143.71	ug/L	#	67
38) Dibromomethane	5.727	93	140944	146.01	ug/L		97
39) Bromodichloromethane	5.871	83	364087	155.80	ug/L		99
40) 2-Chloroethyl vinyl Ether	6.154	63	42824	165.88	ug/L		98

11/21/03

Data File: C:\msdchem\1\DATA\111121\V93589.D
DataAcq Meth:8260RUN.M
Acq On : 21 Nov 2011 3:17 pm Operator: Bill Brew
Sample : 150ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 21 16:09:11 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE

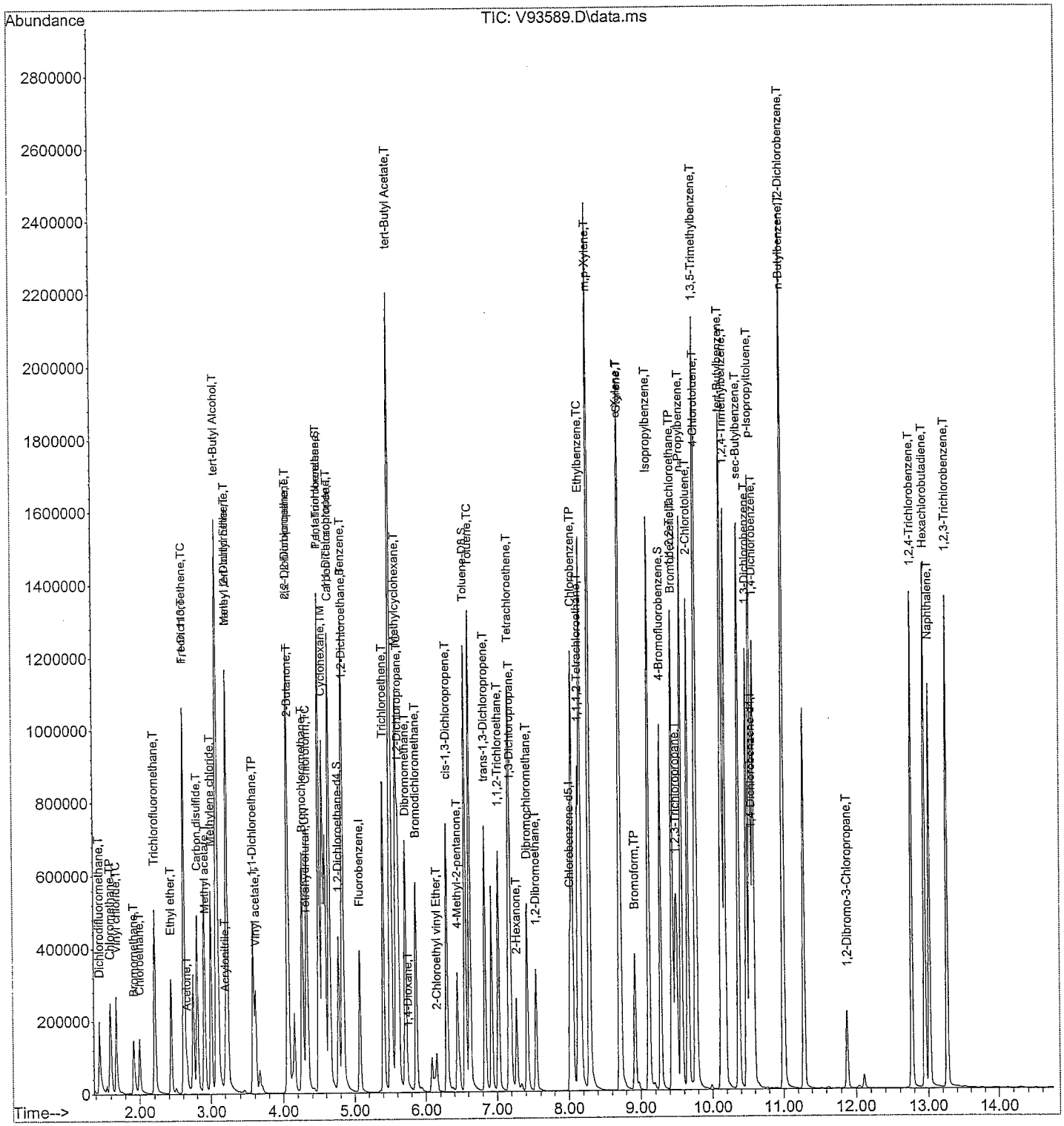
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) 1,1-Dichloropropene	4.649	75	324361	144.18 ug/L	98
43) cis-1,3-Dichloropropene	6.298	75	418996	155.22 ug/L	95
44) 4-Methyl-2-pentanone	6.447	58	87833	156.72 ug/L	95
46) Toluene	6.629	91	978104	132.47 ug/L	100
47) trans-1,3-Dichloropropene	6.837	75	380014	156.90 ug/L	96
48) 1,1,2-Trichloroethane	7.024	97	211833	141.04 ug/L	98
49) 1,3-Dichloropropane	7.195	76	339002	143.79 ug/L	100
50) Tetrachloroethene	7.173	166	311654	141.78 ug/L	99
51) 2-Hexanone	7.275	43	155634	155.84 ug/L	96
52) Dibromochloromethane	7.424	129	277500	160.10 ug/L	100
53) 1,2-Dibromoethane	7.541	107	226185	152.22 ug/L	100
55) Chlorobenzene	8.054	112	681869	138.17 ug/L	99
56) 1,1,1,2-Tetrachloroethane	8.139	131	272017	145.28 ug/L	98
57) Ethylbenzene	8.171	91	1148888	137.78 ug/L	99
58) m,p-Xylene	8.294	106	767715	258.12 ug/L	92
59) o-Xylene	8.716	106	399808	131.19 ug/L	92
60) Styrene	8.732	104	607179	131.42 ug/L	95
61) Bromoform	8.924	173	186917	164.10 ug/L	100
62) Isopropylbenzene	9.116	105	1128569	138.01 ug/L	100
63) 1,2,3-Trichloropropane	9.489	110	77513	143.77 ug/L #	91
65) Bromobenzene	9.447	156	289151	134.15 ug/L	95
66) 1,1,2,2-Tetrachloroethane	9.441	83	234216	135.83 ug/L	99
67) n-Propylbenzene	9.569	91	1297145	137.88 ug/L	98
68) 2-Chlorotoluene	9.660	126	282300	136.91 ug/L	99
69) 4-Chlorotoluene	9.783	126	255163	153.59 ug/L	97
70) 1,3,5-Trimethylbenzene	9.767	105	892832	131.63 ug/L	99
71) tert-Butylbenzene	10.124	134	211294	133.92 ug/L	96
72) 1,2,4-Trimethylbenzene	10.183	105	927831	134.79 ug/L	99
73) sec-Butylbenzene	10.375	105	1199027	137.25 ug/L	98
74) p-Isopropyltoluene	10.541	119	1028650	138.27 ug/L	98
76) 1,3-Dichlorobenzene	10.487	146	539892	140.94 ug/L	99
77) 1,4-Dichlorobenzene	10.589	146	524479	141.30 ug/L	99
78) n-Butylbenzene	11.000	91	949438	143.57 ug/L	98
79) 1,2-Dichlorobenzene	11.005	146	451421	134.87 ug/L	99
81) 1,2-Dibromo-3-Chloropr...	11.886	157	65923	147.73 ug/L	99
82) 1,2,4-Trichlorobenzene	12.777	180	462714	152.06 ug/L	98
83) 1,2,3-Trichlorobenzene	13.268	180	428364	155.82 ug/L	99
84) Hexachlorobutadiene	12.958	225	304353	150.86 ug/L	99
85) Naphthalene	13.022	128	902024	148.30 ug/L	100
86) Cyclohexane	4.558	56	415376	152.12 ug/L	91
87) 1,4-Dioxane	5.754	88	3193	153.73 ug/L #	67
88) tert-Butyl Acetate	5.513	57	843757	754.59 ug/L #	86

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

Data File: C:\msdchem\1\DATA\111121\V93589.D
DataAcq Meth:8260RUN.M
Acq On : 21 Nov 2011 3:17 pm
Sample : 150ppb mega Cal
Misc :
ALS Vial : 8 Sample Multiplier: 1

Operator: Bill Brew
Inst : Instrument #1

Quant Time: Nov 21 16:09:11 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE



Quantitation Report (Not Reviewed)

Data File: C:\msdchem\1\DATA\111121\V93590.D
DataAcq Meth:8260RUN.M
Acq On : 21 Nov 2011 3:40 pm Operator: Bill Brew
Sample : 200ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 21 16:09:19 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.075	96	346218	50.00	ug/L	0.00
54) Chlorobenzene-d5	8.021	117	238292	50.00	ug/L	0.00
75) 1,4-Dichlorobenzene-d4	10.567	152	104010	50.00	ug/L	0.00
System Monitoring Compounds						
26) Pentafluorobenzene	4.504	168	630842	169.28	ug/L	0.00
Spiked Amount 50.000	Range 89 - 116		Recovery = 338.56%#			
29) 1,2-Dichloroethane-d4	4.776	65	373730	182.34	ug/L	0.00
Spiked Amount 50.000	Range 66 - 106		Recovery = 364.68%#			
45) Toluene-D8	6.564	98	1117818	165.36	ug/L	0.00
Spiked Amount 50.000	Range 87 - 107		Recovery = 330.72%#			
64) 4-Bromofluorobenzene	9.281	95	450771	183.49	ug/L	0.00
Spiked Amount 50.000	Range 84 - 97		Recovery = 366.98%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.446	85	257930	197.48	ug/L	99
3) Chloromethane	1.596	50	379923	197.60	ug/L	99
4) Vinyl chloride	1.670	62	326030	190.65	ug/L	99
5) Bromomethane	1.910	94	130146	204.05	ug/L	99
6) Chloroethane	1.996	64	151654	159.95	ug/L	97
7) Trichlorofluoromethane	2.204	101	521796	196.73	ug/L	99
8) Ethyl ether	2.428	59	230052	196.57	ug/L	100
9) Freon 113	2.610	101	301650	192.53	ug/L	99
10) 1,1-Dichloroethene	2.615	61	433741	190.45	ug/L	99
11) Acetone	2.652	43	113258	200.35	ug/L	98
12) Carbon disulfide	2.802	76	838048	202.31	ug/L	100
13) Methyl acetate	2.919	43	175456	194.08	ug/L #	92
14) Methylene chloride	3.005	84	309668	197.72	ug/L	90
15) Acrylonitrile	3.202	53	95163	203.75	ug/L	98
16) tert-Butyl Alcohol	3.095	59	2833567	18002.44	ug/L	98
17) Methyl tert-butyl Ether	3.229	73	775526	191.04	ug/L	96
18) trans-1,2-Dichloroethene	3.229	61	398940	184.24	ug/L	97
19) 1,1-Dichloroethane	3.576	63	580152	199.86	ug/L	100
20) Vinyl acetate	3.608	43	443615	196.02	ug/L	94
21) 2,2-Dichloropropane	4.067	77	501017	177.38	ug/L	95
22) 2-Butanone	4.077	72	30172	157.28	ug/L #	81
23) cis-1,2-Dichloroethene	4.067	96	306241	154.56	ug/L	99
24) Bromochloromethane	4.275	128	163671	180.68	ug/L #	87
25) Chloroform	4.333	83	598605	181.56	ug/L	99
27) Tetrahydrofuran	4.317	42	144471	186.57	ug/L	92
28) 1,1,1-Trichloroethane	4.504	97	558023	186.67	ug/L	98
30) Carbon Tetrachloride	4.654	117	493934	194.44	ug/L	100
31) Benzene	4.835	78	1138272	167.27	ug/L	100
32) 1,2-Dichloroethane	4.846	62	430577	183.16	ug/L	98
33) Trichloroethene	5.411	130	374409	183.30	ug/L	99
34) Methylcyclohexane	5.593	83	574143	180.93	ug/L	95
36) 1,2-Dichloropropane	5.625	63	321314	178.99	ug/L #	65
38) Dibromomethane	5.726	93	185155	182.64	ug/L	97
39) Bromodichloromethane	5.870	83	485118	197.66	ug/L	100
40) 2-Chloroethyl vinyl Ether	6.153	63	56985	210.17	ug/L	97

11/21 BB

Data File: C:\msdchem\1\DATA\111121\V93590.D
DataAcq Meth:8260RUN.M
Acq On : 21 Nov 2011 3:40 pm Operator: Bill Brew
Sample : 200ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 9 Sample Multiplier: 1

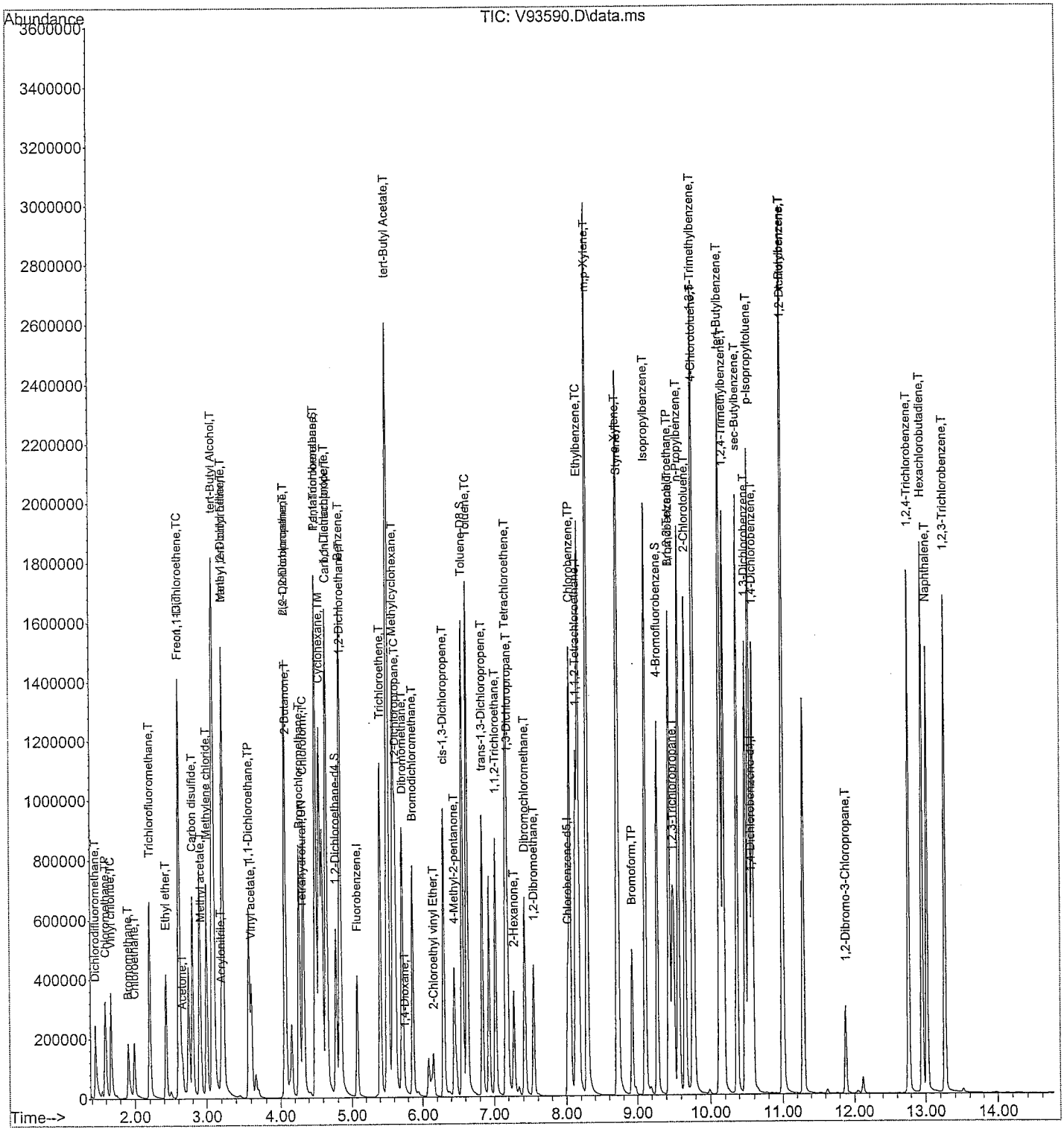
Quant Time: Nov 21 16:09:19 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) 1,1-Dichloropropene	4.648	75	419814	177.68 ug/L	98
43) cis-1,3-Dichloropropene	6.297	75	550910	194.33 ug/L	96
44) 4-Methyl-2-pentanone	6.447	58	119524	203.07 ug/L	95
46) Toluene	6.628	91	1263981	163.00 ug/L	100
47) trans-1,3-Dichloropropene	6.836	75	500239	196.66 ug/L	96
48) 1,1,2-Trichloroethane	7.023	97	278897	176.81 ug/L	98
49) 1,3-Dichloropropane	7.194	76	438136	176.96 ug/L	100
50) Tetrachloroethene	7.173	166	407636	176.58 ug/L	99
51) 2-Hexanone	7.279	43	209720	199.96 ug/L	96
52) Dibromochloromethane	7.423	129	364325	200.14 ug/L	100
53) 1,2-Dibromoethane	7.546	107	301885	193.46 ug/L	100
55) Chlorobenzene	8.053	112	874401	177.35 ug/L	99
56) 1,1,1,2-Tetrachloroethane	8.139	131	353023	188.71 ug/L	98
57) Ethylbenzene	8.171	91	1471695	176.65 ug/L	99
58) m,p-Xylene	8.299	106	979631	329.66 ug/L	94
59) o-Xylene	8.715	106	506490	166.35 ug/L	92
60) Styrene	8.736	104	772714	167.40 ug/L	95
61) Bromoform	8.923	173	247812	217.76 ug/L	100
62) Isopropylbenzene	9.120	105	1453780	177.94 ug/L	100
63) 1,2,3-Trichloropropane	9.489	110	103366	191.89 ug/L #	88
65) Bromobenzene	9.446	156	360662	167.48 ug/L	95
66) 1,1,2,2-Tetrachloroethane	9.441	83	296384	172.03 ug/L	99
67) n-Propylbenzene	9.569	91	1649345	175.48 ug/L	98
68) 2-Chlorotoluene	9.665	126	358869	174.20 ug/L	99
69) 4-Chlorotoluene	9.782	126	317313	191.17 ug/L	96
70) 1,3,5-Trimethylbenzene	9.766	105	1130020	166.75 ug/L	98
71) tert-Butylbenzene	10.129	134	265523	168.44 ug/L	93
72) 1,2,4-Trimethylbenzene	10.183	105	1165136	169.42 ug/L	100
73) sec-Butylbenzene	10.375	105	1510760	173.09 ug/L	98
74) p-Isopropyltoluene	10.540	119	1297242	174.53 ug/L	98
76) 1,3-Dichlorobenzene	10.492	146	676296	182.62 ug/L	98
77) 1,4-Dichlorobenzene	10.593	146	651824	181.65 ug/L	100
78) n-Butylbenzene	10.999	91	1176388	184.00 ug/L	99
79) 1,2-Dichlorobenzene	11.010	146	557601	172.32 ug/L	99
81) 1,2-Dibromo-3-Chloropr...	11.885	157	89169	206.70 ug/L	99
82) 1,2,4-Trichlorobenzene	12.776	180	596655	202.81 ug/L	99
83) 1,2,3-Trichlorobenzene	13.267	180	547875	206.14 ug/L	98
84) Hexachlorobutadiene	12.958	225	397514	203.81 ug/L	99
85) Naphthalene	13.022	128	1200615	204.17 ug/L	99
86) Cyclohexane	4.558	56	530608	201.00 ug/L	90
87) 1,4-Dioxane	5.753	88	4084	203.39 ug/L #	85
88) tert-Butyl Acetate	5.513	57	1083443	1002.25 ug/L #	84

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

Data File: C:\msdchem\1\DATA\111121\V93590.D
DataAcq Meth:8260RUN.M
Acq On : 21 Nov 2011 3:40 pm Operator: Bill Brew
Sample : 200ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 21 16:09:19 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Nov 21 16:05:50 2011
Response via : Initial Calibration
Integrator: RTE



Evaluate Continuing Calibration Report

Data File: C:\msdchem\1\DATA\111202\V93848.D
DataAcq Meth:8260RUN.M
Acq On : 2 Dec 2011 10:19 pm Operator: Bill Brew
Sample : 50ppb mega CC Inst : Instrument #1
Misc : Soil
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 03 08:41:39 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Thu Dec 01 13:20:21 2011
Response via : Initial Calibration
Integrator: RTE

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	I	Fluorobenzene	1.000	1.000	0.0	84	0.00
2	T	Dichlorodifluoromethane	0.337	0.149	55.8#	60	0.00
3	TP	Chloromethane	0.278	0.273	1.8	77	0.00
4	TC	Vinyl chloride	0.247	0.248	-0.4	78	0.00
5	T	Bromomethane	0.137	0.116	15.3	65	0.01
6	T	Chloroethane	0.137	0.150	-9.5	80	0.00
7	T	Trichlorofluoromethane	0.443	0.428	3.4	85	0.00
8	T	Ethyl ether	0.169	0.198	-17.2	91	0.00
9	T	Freon 113	0.226	0.242	-7.1	81	0.00
10	TC	1,1-Dichloroethene	0.329	0.376	-14.3	87	0.00
11	T	Acetone	0.127	0.106	16.5	118	0.00
12	T	Carbon disulfide	0.598	0.646	-8.0	81	0.00
13	T	Methyl acetate	0.131	0.189	-44.3#	116	0.00
14	T	Methylene chloride	0.611	0.278	54.5#	84	0.00
15	T	Acrylonitrile	0.067	0.084	-25.4#	99	0.00
16	T	tert-Butyl Alcohol	0.023	0.027	-17.4	95	-0.02
17	T	Methyl tert-butyl Ether	0.586	0.642	-9.6	84	0.00
18	T	trans-1,2-Dichloroethene	0.313	0.359	-14.7	87	0.00
19	TP	1,1-Dichloroethane	0.419	0.476	-13.6	88	0.00
20	T	Vinyl acetate	0.327	0.247	24.5#	59	0.00
21	T	2,2-Dichloropropane	0.408	0.408	0.0	76	0.00
22	T	2-Butanone	0.028	0.027	3.6	79	0.00
23	T	cis-1,2-Dichloroethene	0.286	0.271	5.2	71	0.00
24	T	Bromochloromethane	0.131	0.143	-9.2	84	0.00
25	TC	Chloroform	0.476	0.539	-13.2	89	0.00
26	S	Pentafluorobenzene	0.538	0.496	7.8	71	0.00
27	UN	Tetrahydrofuran	0.112	0.144	-28.6#	99	0.00
28	T	1,1,1-Trichloroethane	0.432	0.458	-6.0	82	0.00
29	S	1,2-Dichloroethane-d4	0.296	0.322	-8.8	93	0.00
30	T	Carbon Tetrachloride	0.367	0.395	-7.6	83	0.00
31	T	Benzene	0.983	1.034	-5.2	82	0.00
32	T	1,2-Dichloroethane	0.340	0.393	-15.6	93	0.00
33	T	Trichloroethene	0.295	0.298	-1.0	78	0.00
34	T	Methylcyclohexane	0.458	0.483	-5.5	81	0.00
35	UN	Ethyl acetate	0.000	0.000	0.0	0#	0.00
36	TC	1,2-Dichloropropane	0.259	0.296	-14.3	90	0.00
37	UN	Isobutyl alcohol	0.000	0.000	0.0	0#	-0.07
38	T	Dibromomethane	0.146	0.169	-15.8	90	0.00
39	T	Bromodichloromethane	0.354	0.396	-11.9	86	0.00
40	T	2-Chloroethyl vinyl Ether	0.039	0.008	79.5#	15#	0.00
41	UN	Isopropyl acetate	0.000	0.000	0.0	0#	0.00
42	T	1,1-Dichloropropene	0.341	0.366	-7.3	83	0.00
43	T	cis-1,3-Dichloropropene	0.409	0.435	-6.4	81	0.00
44	T	4-Methyl-2-pentanone	0.085	0.097	-14.1	89	0.00
45	S	Toluene-D8	0.935	1.005	-7.5	84	0.00
46	TC	Toluene	1.120	1.177	-5.1	86	0.00
47	T	trans-1,3-Dichloropropene	0.367	0.396	-7.9	82	0.00

12/5/13

Data File: C:\msdchem\1\DATA\111202\V93848.D
DataAcq Meth:8260RUN.M
Acq On : 2 Dec 2011 10:19 pm Operator: Bill Brew
Sample : 50ppb mega CC Inst : Instrument #1
Misc : Soil
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 03 08:41:39 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Thu Dec 01 13:20:21 2011
Response via : Initial Calibration
Integrator: RTE

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)
48	T	1,1,2-Trichloroethane	0.228	0.252	-10.5	89	0.00
49	T	1,3-Dichloropropane	0.358	0.407	-13.7	89	0.00
50	T	Tetrachloroethene	0.333	0.403	-21.0#	94	0.00
51	T	2-Hexanone	0.151	0.186	-23.2#	96	0.00
52	T	Dibromochloromethane	0.263	0.291	-10.6	84	0.00
53	T	1,2-Dibromoethane	0.225	0.247	-9.8	85	0.00
54	I	Chlorobenzene-d5	1.000	1.000	0.0	85	0.00
55	TP	Chlorobenzene	1.035	1.072	-3.6	85	0.00
56	T	1,1,1,2-Tetrachloroethane	0.393	0.412	-4.8	84	0.00
57	TC	Ethylbenzene	1.748	1.855	-6.1	85	0.00
58	T	m,p-Xylene	0.624	0.628	-0.6	82	0.00
59	T	o-Xylene	0.639	0.673	-5.3	85	0.00
60	T	Styrene	0.969	1.039	-7.2	86	0.00
61	TP	Bromoform	0.239	0.265	-10.9	85	0.00
62	T	Isopropylbenzene	1.714	1.848	-7.8	85	0.00
63	T	1,2,3-Trichloropropane	0.113	0.127	-12.4	91	0.00
64	S	4-Bromofluorobenzene	0.573	0.550	4.0	86	0.00
65	T	Bromobenzene	0.452	0.473	-4.6	84	0.00
66	TP	1,1,2,2-Tetrachloroethane	0.361	0.417	-15.5	93	0.00
67	T	n-Propylbenzene	1.972	2.131	-8.1	86	0.00
68	T	2-Chlorotoluene	0.432	0.450	-4.2	85	0.00
69	T	4-Chlorotoluene	0.426	0.419	1.6	83	0.00
70	T	1,3,5-Trimethylbenzene	1.422	1.479	-4.0	85	0.00
71	T	tert-Butylbenzene	0.331	0.347	-4.8	84	0.00
72	T	1,2,4-Trimethylbenzene	1.443	1.507	-4.4	86	0.00
73	T	sec-Butylbenzene	1.831	1.975	-7.9	85	0.00
74	T	p-Isopropyltoluene	1.560	1.623	-4.0	83	0.00
75	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	89	0.00
76	T	1,3-Dichlorobenzene	1.780	1.759	1.2	85	0.00
77	T	1,4-Dichlorobenzene	1.725	1.679	2.7	85	0.00
78	T	n-Butylbenzene	3.074	3.119	-1.5	84	0.00
79	T	1,2-Dichlorobenzene	1.556	1.564	-0.5	87	0.00
80	UN	Tetraethyllead	0.000	0.000	0.0	0#	-12.33#
81	T	1,2-Dibromo-3-Chloropropane	0.181	0.182	-0.6	87	0.00
82	T	1,2,4-Trichlorobenzene	1.414	1.273	10.0	75	0.00
83	T	1,2,3-Trichlorobenzene	1.278	1.222	4.4	80	0.00
84	T	Hexachlorobutadiene	0.938	0.868	7.5	78	0.00
85	T	Naphthalene	2.827	2.625	7.1	82	0.00
86	TM	Cyclohexane	1.269	1.327	-4.6	90	0.00
87	T	1,4-Dioxane	0.010	0.010	0.0	89	0.00
88	T	tert-Butyl Acetate	0.520	0.550	-5.8	86	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data File: C:\msdchem\1\DATA\111202\V93848.D
DataAcq Meth:8260RUN.M
Acq On : 2 Dec 2011 10:19 pm Operator: Bill Brew
Sample : 50ppb mega CC Inst : Instrument #1
Misc : Soil
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 03 08:41:39 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Thu Dec 01 13:20:21 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.076	96	283041	50.00	ug/L	0.00
54) Chlorobenzene-d5	8.022	117	205566	50.00	ug/L	0.00
75) 1,4-Dichlorobenzene-d4	10.562	152	104077	50.00	ug/L	0.00
System Monitoring Compounds						
26) Pentafluorobenzene	4.505	168	140398	46.08	ug/L	0.00
Spiked Amount 50.000	Range 90 - 117		Recovery = 92.16%			
29) 1,2-Dichloroethane-d4	4.777	65	91186	54.42	ug/L	0.00
Spiked Amount 50.000	Range 64 - 106		Recovery = 108.84%#			
45) Toluene-D8	6.559	98	284459	51.47	ug/L	0.00
Spiked Amount 50.000	Range 85 - 106		Recovery = 102.94%			
64) 4-Bromofluorobenzene	9.281	95	113060	52.54	ug/L	0.00
Spiked Amount 50.000	Range 79 - 99		Recovery = 105.08%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.447	85	42150	39.48	ug/L	99
3) Chloromethane	1.596	50	77319	49.19	ug/L	100
4) Vinyl chloride	1.671	62	70334	50.31	ug/L	99
5) Bromomethane	1.927	94	32906	41.34	ug/L	98
6) Chloroethane	2.002	64	42482	54.81	ug/L	97
7) Trichlorofluoromethane	2.204	101	121108	55.85	ug/L	99
8) Ethyl ether	2.429	59	55971	58.50	ug/L	100
9) Freon 113	2.615	101	68422	53.42	ug/L	99
10) 1,1-Dichloroethene	2.615	61	106353	57.12	ug/L	95
11) Acetone	2.647	43	29952	73.47	ug/L	96
12) Carbon disulfide	2.808	76	182928	54.02	ug/L	99
13) Methyl acetate	2.914	43	53523	72.42	ug/L #	98
14) Methylene chloride	3.000	84	78701	53.36	ug/L	98
15) Acrylonitrile	3.202	53	23709	62.09	ug/L	99
16) tert-Butyl Alcohol	3.080	59	777298	6040.68	ug/L	97
17) Methyl tert-butyl Ether	3.229	73	181670	54.74	ug/L	99
18) trans-1,2-Dichloroethene	3.229	61	101500	57.34	ug/L	96
19) 1,1-Dichloroethane	3.576	63	134714	56.77	ug/L	100
20) Vinyl acetate	3.608	43	69916	37.79	ug/L	99
21) 2,2-Dichloropropane	4.067	77	115481	50.01	ug/L	94
22) 2-Butanone	4.072	72	7761	49.49	ug/L	95
23) cis-1,2-Dichloroethene	4.067	96	76699	47.35	ug/L	93
24) Bromochloromethane	4.270	128	40381	54.53	ug/L	99
25) Chloroform	4.334	83	152498	56.58	ug/L	100
27) Tetrahydrofuran	4.318	42	40645	64.21	ug/L	93
28) 1,1,1-Trichloroethane	4.505	97	129599	53.03	ug/L	98
30) Carbon Tetrachloride	4.654	117	111872	53.87	ug/L	100
31) Benzene	4.836	78	292720	52.62	ug/L	98
32) 1,2-Dichloroethane	4.841	62	111275	57.90	ug/L	99
33) Trichloroethene	5.407	130	84279	50.47	ug/L	100
34) Methylcyclohexane	5.588	83	136620	52.66	ug/L	98
36) 1,2-Dichloropropane	5.620	63	83780	57.09	ug/L	96
38) Dibromomethane	5.727	93	47801	57.68	ug/L	99
39) Bromodichloromethane	5.866	83	112086	55.86	ug/L	100
40) 2-Chloroethyl vinyl Ether	6.154	63	2140	9.65	ug/L #	67

12/5 MS

Quantitation Report (Not Reviewed)

Data File: C:\msdchem\1\DATA\111202\V93848.D
DataAcq Meth:8260RUN.M
Acq On : 2 Dec 2011 10:19 pm
Sample : 50ppb mega CC
Misc : Soil
ALS Vial : 27 Sample Multiplier: 1

Operator: Bill Brew
Inst : Instrument #1

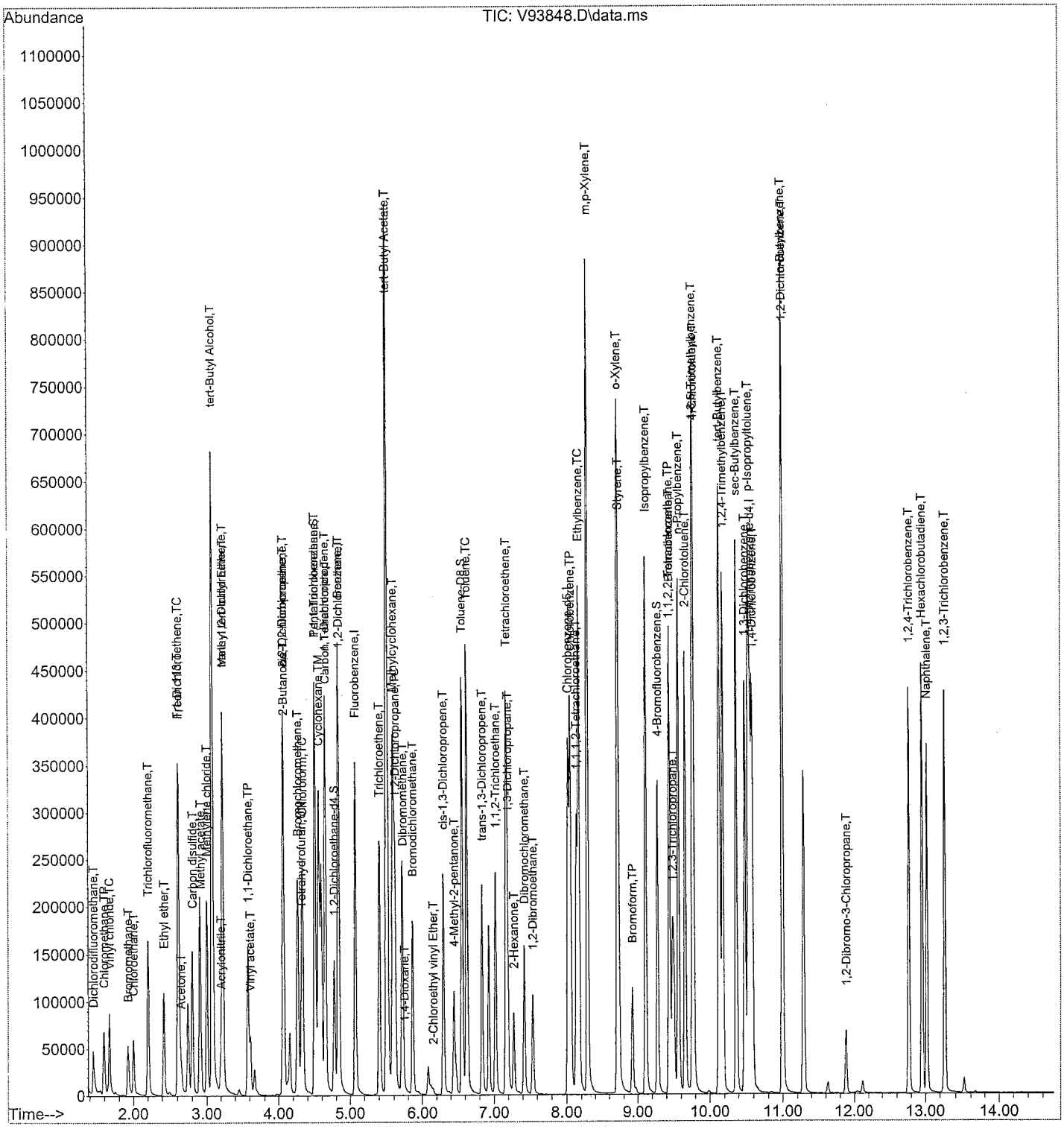
Quant Time: Dec 03 08:41:39 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Thu Dec 01 13:20:21 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 1,1-Dichloropropene	4.649	75	103583	53.63	ug/L		97
43) cis-1,3-Dichloropropene	6.292	75	123168	53.14	ug/L		100
44) 4-Methyl-2-pentanone	6.447	58	27358	56.85	ug/L		91
46) Toluene	6.623	91	333180	52.56	ug/L		98
47) trans-1,3-Dichloropropene	6.837	75	111963	53.84	ug/L		100
48) 1,1,2-Trichloroethane	7.024	97	71288	55.28	ug/L		99
49) 1,3-Dichloropropane	7.194	76	115112	56.87	ug/L		100
50) Tetrachloroethene	7.173	166	113937	60.37	ug/L		98
51) 2-Hexanone	7.274	43	52694	61.45	ug/L		97
52) Dibromochloromethane	7.424	129	82366	55.35	ug/L		100
53) 1,2-Dibromoethane	7.541	107	69927	54.81	ug/L		100
55) Chlorobenzene	8.054	112	220432	51.83	ug/L		99
56) 1,1,1,2-Tetrachloroethane	8.134	131	84687	52.48	ug/L		98
57) Ethylbenzene	8.166	91	381324	53.06	ug/L		97
58) m,p-Xylene	8.294	106	258300	100.76	ug/L		90
59) o-Xylene	8.715	106	138290	52.65	ug/L		91
60) Styrene	8.731	104	213579	53.64	ug/L		96
61) Bromoform	8.924	173	54455	55.47	ug/L		99
62) Isopropylbenzene	9.116	105	379824	53.89	ug/L		99
63) 1,2,3-Trichloropropane	9.484	110	26118	56.20	ug/L	#	84
65) Bromobenzene	9.441	156	97320	52.39	ug/L		98
66) 1,1,2,2-Tetrachloroethane	9.436	83	85643	57.62	ug/L		99
67) n-Propylbenzene	9.569	91	438093	54.03	ug/L		99
68) 2-Chlorotoluene	9.660	126	92530	52.06	ug/L		98
69) 4-Chlorotoluene	9.777	126	86053	60.10	ug/L		93
70) 1,3,5-Trimethylbenzene	9.761	105	304083	52.02	ug/L		97
71) tert-Butylbenzene	10.124	134	71339	52.46	ug/L		96
72) 1,2,4-Trimethylbenzene	10.178	105	309870	52.23	ug/L		99
73) sec-Butylbenzene	10.370	105	405937	53.91	ug/L		100
74) p-Isopropyltoluene	10.535	119	333613	52.03	ug/L		98
76) 1,3-Dichlorobenzene	10.487	146	183075	49.40	ug/L		99
77) 1,4-Dichlorobenzene	10.589	146	174750	48.67	ug/L		100
78) n-Butylbenzene	10.994	91	324582	50.73	ug/L		98
79) 1,2-Dichlorobenzene	11.005	146	162786	50.27	ug/L		99
81) 1,2-Dibromo-3-Chloropr...	11.885	157	18966	43.94	ug/L		97
82) 1,2,4-Trichlorobenzene	12.771	180	132482	45.00	ug/L		100
83) 1,2,3-Trichlorobenzene	13.268	180	127162	47.82	ug/L		99
84) Hexachlorobutadiene	12.953	225	90295	46.27	ug/L		100
85) Naphthalene	13.022	128	273226	46.43	ug/L		100
86) Cyclohexane	4.558	56	138087	52.28	ug/L		94
87) 1,4-Dioxane	5.748	88	1033	51.41	ug/L	#	66
88) tert-Butyl Acetate	5.508	57	286220	264.60	ug/L		96

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

Data File: C:\msdchem\1\DATA\111202\V93848.D
DataAcq Meth:8260RUN.M
Acq On : 2 Dec 2011 10:19 pm Operator: Bill Brew
Sample : 50ppb mega CC Inst : Instrument #1
Misc : Soil
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 03 08:41:39 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Thu Dec 01 13:20:21 2011
Response via : Initial Calibration
Integrator: RTE



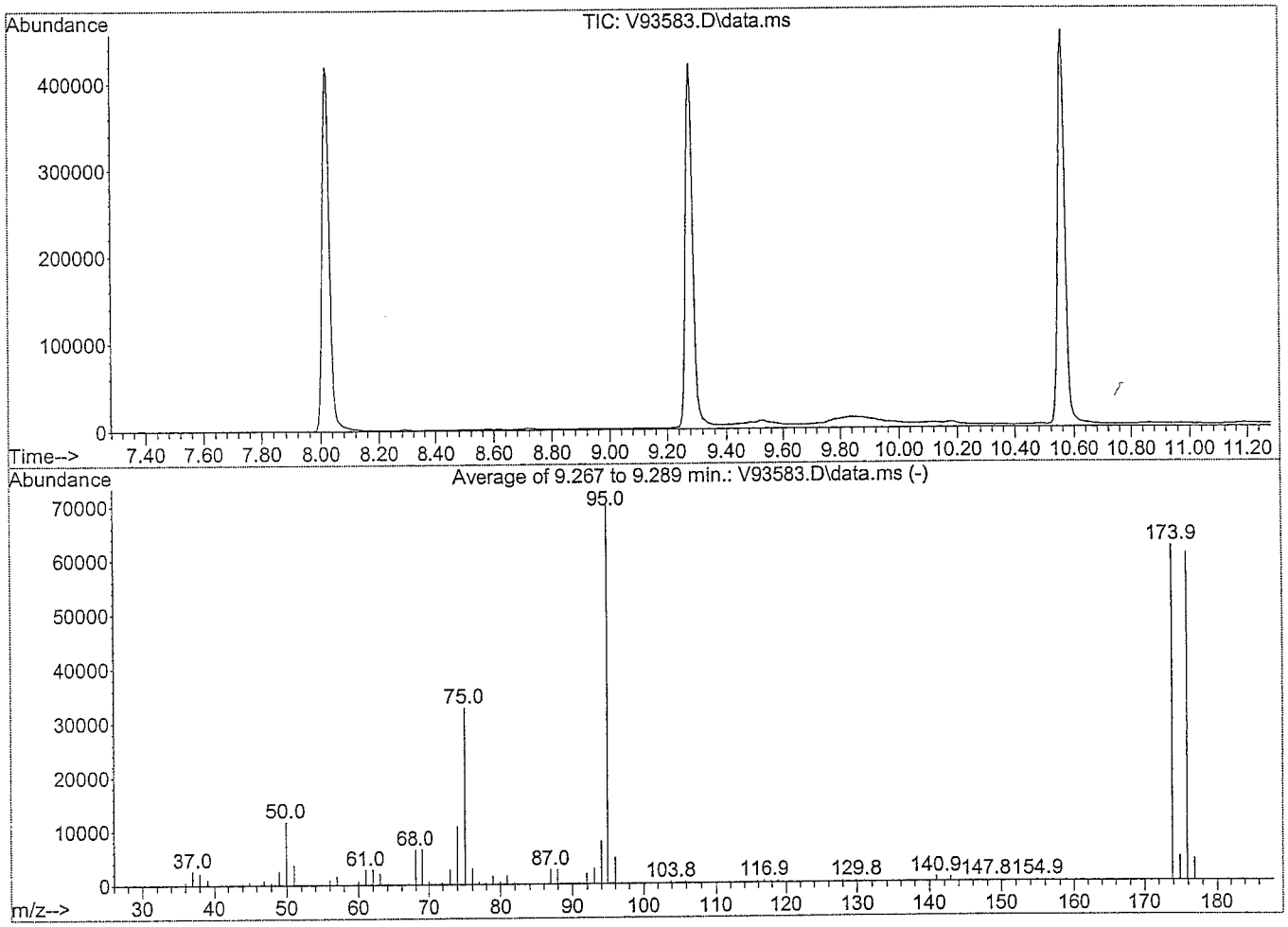
VOLATILE ORGANICS

RAW QC DATA

Data Path : C:\msdchem\1\DATA\111121\
Data File : V93583.D
Acq On : 21 Nov 2011 12:59 pm
Operator : Bill Brew
Sample : 50ng BFB
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\METHODS\112111.M
Title : 8260/624 Analysis
Last Update : Mon Nov 21 16:05:50 2011



Spectrum Information: Average of 9.267 to 9.289 min.

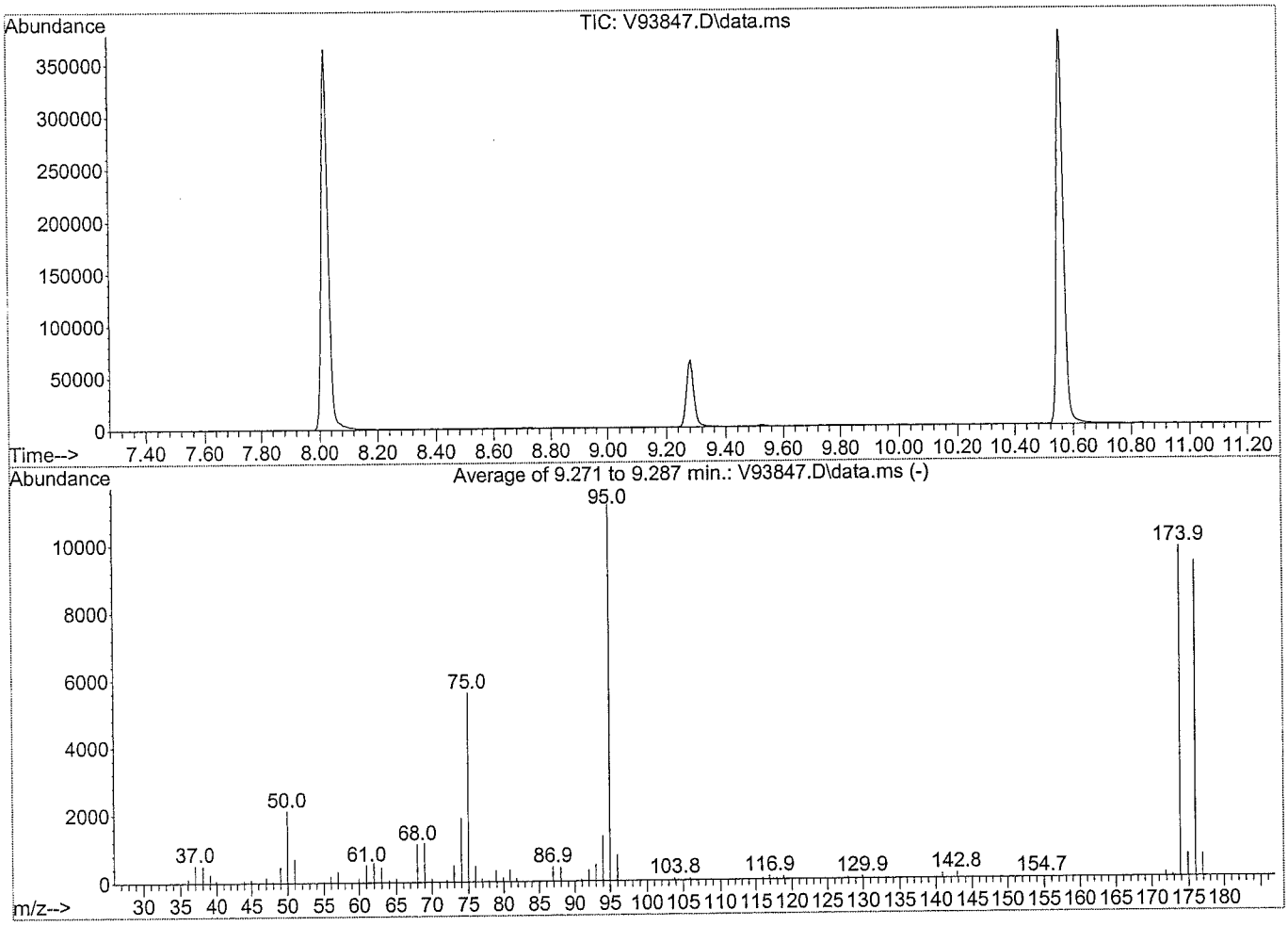
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.7	11677	PASS
75	95	30	60	46.9	32722	PASS
95	95	100	100	100.0	69804	PASS
96	95	5	9	6.8	4753	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	88.8	61972	PASS
175	174	5	9	7.2	4473	PASS
176	174	95	101	97.6	60515	PASS
177	176	5	9	6.6	3976	PASS

11/21 BB

Data Path : C:\msdchem\1\DATA\111202\
Data File : V93847.D
Acq On : 2 Dec 2011 9:56 pm
Operator : Bill Brew
Sample : 50ng BFB
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\METHODS\112111.M
Title : 8260/624 Analysis
Last Update : Mon Dec 05 11:00:45 2011



Spectrum Information: Average of 9.271 to 9.287 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.9	2102	PASS
75	95	30	60	50.1	5590	PASS
95	95	100	100	100.0	11149	PASS
96	95	5	9	6.7	745	PASS
173	174	0.00	2	0.6	56	PASS
174	95	50	100	87.7	9780	PASS
175	174	5	9	6.8	665	PASS
176	174	95	101	95.4	9335	PASS
177	176	5	9	6.8	633	PASS

12/5 BB

Data File: C:\msdchem\1\DATA\111202\V93849.D
DataAcq Meth:8260RUN.M
Acq On : 2 Dec 2011 10:42 pm
Sample : SOIL LCS
Misc : Soil
ALS Vial : 28 Sample Multiplier: 1

Operator: Bill Brew
Inst : Instrument #1

Quant Time: Dec 05 11:21:19 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Dec 05 11:00:45 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	5.075	96	315150	50.00	ug/L		0.00
54) Chlorobenzene-d5	8.021	117	222103	50.00	ug/L		0.00
75) 1,4-Dichlorobenzene-d4	10.562	152	110719	50.00	ug/L		0.00
System Monitoring Compounds							
26) Pentafluorobenzene	4.504	168	163599	48.23	ug/L		0.00
Spiked Amount 50.000	Range 90 - 117		Recovery = 96.46%				
29) 1,2-Dichloroethane-d4	4.776	65	90082	48.28	ug/L		0.00
Spiked Amount 50.000	Range 64 - 106		Recovery = 96.56%				
45) Toluene-D8	6.559	98	299778	50.85	ug/L		0.00
Spiked Amount 50.000	Range 85 - 106		Recovery = 101.70%				
64) 4-Bromofluorobenzene	9.281	95	118631	50.98	ug/L		0.00
Spiked Amount 50.000	Range 79 - 99		Recovery = 101.96%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.452	85	69576	58.52	ug/L		100
3) Chloromethane	1.596	50	97107	55.48	ug/L		98
4) Vinyl chloride	1.676	62	85934	55.21	ug/L		99
5) Bromomethane	1.932	94	41412	47.32	ug/L		96
6) Chloroethane	2.007	64	48756	56.49	ug/L		98
7) Trichlorofluoromethane	2.209	101	131406	54.43	ug/L		100
8) Ethyl ether	2.434	59	59578	55.93	ug/L		100
9) Freon 113	2.615	101	70646	49.54	ug/L		99
10) 1,1-Dichloroethene	2.620	61	108695	52.43	ug/L		95
11) Acetone	2.652	43	26316	58.17	ug/L		94
12) Carbon disulfide	2.807	76	189172	50.17	ug/L		100
14) Methylene chloride	3.005	84	82134	49.28	ug/L		97
15) Acrylonitrile	3.202	53	24835	58.41	ug/L		98
17) Methyl tert-butyl Ether	3.229	73	190312	51.50	ug/L		98
18) trans-1,2-Dichloroethene	3.234	61	103755	52.64	ug/L		96
19) 1,1-Dichloroethane	3.581	63	134888	51.05	ug/L		98
20) Vinyl acetate	3.613	43	76601	37.18	ug/L		99
21) 2,2-Dichloropropane	4.072	77	112352	43.70	ug/L		95
22) 2-Butanone	4.077	72	7403	42.39	ug/L	#	88
23) cis-1,2-Dichloroethene	4.067	96	75984	42.13	ug/L		93
24) Bromochloromethane	4.275	128	40077	48.60	ug/L		100
25) Chloroform	4.339	83	152170	50.71	ug/L		99
27) Tetrahydrofuran	4.317	42	22094	31.35	ug/L		90
28) 1,1,1-Trichloroethane	4.510	97	130667	48.02	ug/L		96
30) Carbon Tetrachloride	4.654	117	112852	48.80	ug/L		99
31) Benzene	4.835	78	299987	48.43	ug/L		98
32) 1,2-Dichloroethane	4.846	62	112314	52.49	ug/L		99
33) Trichloroethene	5.412	130	83719	45.03	ug/L		99
36) 1,2-Dichloropropane	5.620	63	82519	50.50	ug/L	#	61
38) Dibromomethane	5.726	93	49379	53.51	ug/L		99
39) Bromodichloromethane	5.870	83	109573	49.05	ug/L		100
40) 2-Chloroethyl vinyl Ether	6.153	63	46805	189.65	ug/L		99
42) 1,1-Dichloropropene	4.648	75	104141	48.42	ug/L		97
43) cis-1,3-Dichloropropene	6.297	75	116776	45.25	ug/L		99
44) 4-Methyl-2-pentanone	6.447	58	28614	53.41	ug/L	#	64

12/5 BJ3

Data File: C:\msdchem\1\DATA\111202\V93849.D
DataAcq Meth:8260RUN.M
Acq On : 2 Dec 2011 10:42 pm Operator: Bill Brew
Sample : SOIL LCS Inst : Instrument #1
Misc : Soil
ALS Vial : 28 Sample Multiplier: 1

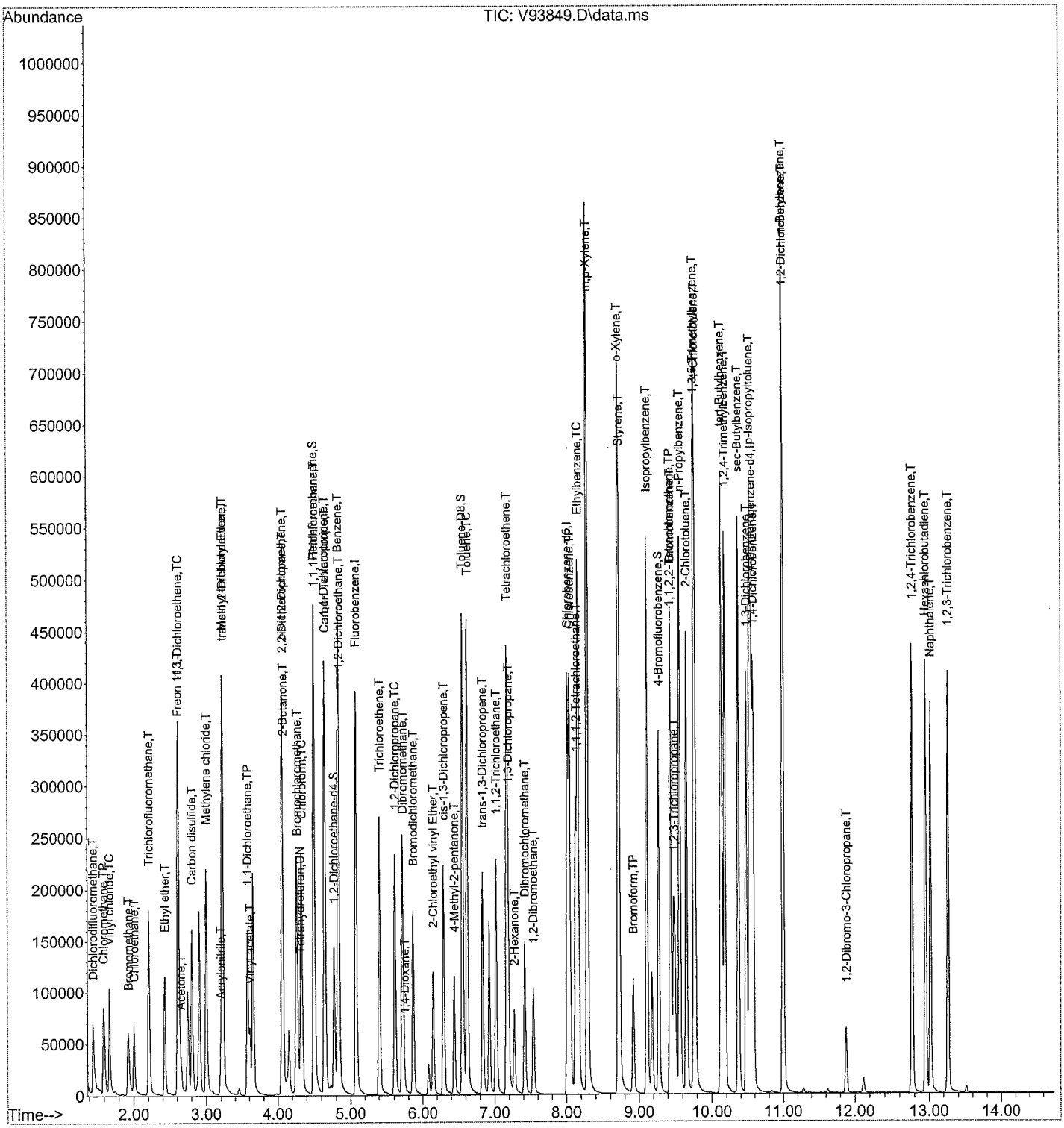
Quant Time: Dec 05 11:21:19 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Dec 05 11:00:45 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Toluene	6.628	91	325186	46.07	ug/L		98
47) trans-1,3-Dichloropropene	6.836	75	108454	46.84	ug/L		99
48) 1,1,2-Trichloroethane	7.023	97	67468	46.99	ug/L		98
49) 1,3-Dichloropropane	7.194	76	110754	49.14	ug/L		100
50) Tetrachloroethene	7.173	166	118153	56.23	ug/L		99
51) 2-Hexanone	7.274	43	49701	52.06	ug/L		98
52) Dibromochloromethane	7.424	129	78240	47.22	ug/L		100
53) 1,2-Dibromoethane	7.541	107	67979	47.86	ug/L		99
55) Chlorobenzene	8.053	112	211614	46.05	ug/L		100
56) 1,1,1,2-Tetrachloroethane	8.139	131	82645	47.40	ug/L		98
57) Ethylbenzene	8.165	91	369811	47.62	ug/L		98
58) m,p-Xylene	8.293	106	253124	91.39	ug/L		90
59) o-Xylene	8.715	106	131169	46.22	ug/L		91
60) Styrene	8.731	104	214384	49.83	ug/L		97
61) Bromoform	8.923	173	54303	51.20	ug/L		99
62) Isopropylbenzene	9.115	105	363050	47.68	ug/L		99
63) 1,2,3-Trichloropropane	9.489	110	25560	50.91	ug/L	#	85
65) Bromobenzene	9.441	156	92583	46.13	ug/L		98
66) 1,1,2,2-Tetrachloroethane	9.435	83	82362	51.29	ug/L		99
67) n-Propylbenzene	9.569	91	440128	50.24	ug/L		99
68) 2-Chlorotoluene	9.660	126	86513	45.05	ug/L		95
69) 4-Chlorotoluene	9.777	126	84043	54.32	ug/L		93
70) 1,3,5-Trimethylbenzene	9.761	105	289135	45.78	ug/L		98
71) tert-Butylbenzene	10.124	134	68420	46.57	ug/L		96
72) 1,2,4-Trimethylbenzene	10.177	105	300689	46.91	ug/L		99
73) sec-Butylbenzene	10.369	105	391305	48.10	ug/L		99
74) p-Isopropyltoluene	10.535	119	320890	46.32	ug/L		98
76) 1,3-Dichlorobenzene	10.487	146	174748	44.33	ug/L		99
77) 1,4-Dichlorobenzene	10.588	146	166682	43.64	ug/L		100
78) n-Butylbenzene	10.994	91	308146	45.28	ug/L		98
79) 1,2-Dichlorobenzene	11.005	146	155279	45.08	ug/L		99
81) 1,2-Dibromo-3-Chloropr...	11.885	157	18371	40.00	ug/L		97
82) 1,2,4-Trichlorobenzene	12.771	180	131289	41.92	ug/L		100
83) 1,2,3-Trichlorobenzene	13.267	180	122573	43.32	ug/L		99
84) Hexachlorobutadiene	12.952	225	85783	41.32	ug/L		99
85) Naphthalene	13.022	128	276621	44.19	ug/L		100
87) 1,4-Dioxane	5.748	88	1041	48.70	ug/L	#	82

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

Data File: C:\msdchem\1\DATA\111202\V93849.D
DataAcq Meth:8260RUN.M
Acq On : 2 Dec 2011 10:42 pm Operator: Bill Brew
Sample : SOIL LCS Inst : Instrument #1
Misc : Soil
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 05 11:21:19 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Dec 05 11:00:45 2011
Response via : Initial Calibration
Integrator: RTE



PARADIGM
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc.

Client Job Site: 690 St. Paul St.
Client Job Number: 209280
Field Location: N/A
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5230A
Lab Sample Number: Soil LRB 12/02

Date Sampled: N/A
Date Received: N/A
Date Analyzed: 12/02/2011

Halocarbons	Results in ug / Kg
Bromodichloromethane	< 4.00
Bromomethane	< 4.00
Bromoform	< 10.0
Carbon Tetrachloride	< 4.00
Chloroethane	< 4.00
Chloromethane	< 4.00
2-Chloroethyl vinyl Ether	< 20.0
Chloroform	< 4.00
Dibromochloromethane	< 4.00
1,1-Dichloroethane	< 4.00
1,2-Dichloroethane	< 4.00
1,1-Dichloroethene	< 4.00
cis-1,2-Dichloroethene	< 4.00
trans-1,2-Dichloroethene	< 4.00
1,2-Dichloropropane	< 4.00
cis-1,3-Dichloropropene	< 4.00
trans-1,3-Dichloropropene	< 4.00
Methylene chloride	< 10.0
1,1,2,2-Tetrachloroethane	< 4.00
Tetrachloroethene	< 4.00
1,1,1-Trichloroethane	< 4.00
1,1,2-Trichloroethane	< 4.00
Trichloroethene	< 4.00
Trichlorofluoromethane	< 4.00
Vinyl chloride	< 4.00

Aromatics	Results in ug / Kg
Benzene	< 4.00
Chlorobenzene	< 4.00
Ethylbenzene	< 4.00
Toluene	< 4.00
m,p-Xylene	< 4.00
o-Xylene	< 4.00
Styrene	< 10.0
1,2-Dichlorobenzene	< 4.00
1,3-Dichlorobenzene	< 4.00
1,4-Dichlorobenzene	< 4.00

Ketones	Results in ug / Kg
Acetone	J 14.7
2-Butanone	< 20.0
2-Hexanone	< 10.0
4-Methyl-2-pentanone	< 10.0

Miscellaneous	Results in ug / Kg
Carbon disulfide	< 4.00
Vinyl acetate	< 10.0

ELAP Number 10958 Method: EPA 8260B Data File: V93850.D

Comments: ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

PARADIGM
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc.

Client Job Site: 690 St. Paul St.
Client Job Number: 209280
Field Location: N/A
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5230A
Lab Sample Number: Soil LRB 12/02
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 12/02/2011

Tentatively Identified Compounds	CAS Number	Retention Time	Results in ug / Kg	Percent Fit
None Found	N/A	N/A	< 10.0	N/A

ELAP Number 10958 Method: EPA 8260B Data File: V93850.D

Comments: ug / Kg = microgram per Kilogram

Signature:
Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

LaBella 5230A Quantitation Report (QT Reviewed)

"J"

Data File: C:\msdchem\1\DATA\111202\V93850.D
DataAcq Meth:8260RUN.M
Acq On : 2 Dec 2011 11:06 pm
Sample : SOIL LRB
Misc : Soil
ALS Vial : 29 Sample Multiplier: 1

Operator: Bill Brew
Inst : Instrument #1

Quant Time: Dec 05 11:35:02 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Dec 05 11:00:45 2011
Response via : Initial Calibration
Integrator: RTE

NO TICs

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.077	96	315708	50.00	ug/L	0.00
54) Chlorobenzene-d5	8.023	117	222704	50.00	ug/L	0.00
75) 1,4-Dichlorobenzene-d4	10.563	152	115882	50.00	ug/L	0.00
System Monitoring Compounds						
26) Pentafluorobenzene	4.506	168	154360	45.42	ug/L	0.00
Spiked Amount 50.000	Range 90 - 117		Recovery = 90.84%			
29) 1,2-Dichloroethane-d4	4.778	65	86472	46.27	ug/L	0.00
Spiked Amount 50.000	Range 64 - 106		Recovery = 92.54%			
45) Toluene-D8	6.561	98	258310	43.74	ug/L	0.00
Spiked Amount 50.000	Range 85 - 106		Recovery = 87.48%			
64) 4-Bromofluorobenzene	9.277	95	99643	42.47	ug/L	0.00
Spiked Amount 50.000	Range 79 - 99		Recovery = 84.94%			
Target Compounds						Qvalue
11) Acetone	2.659	43	5073	7.34	ug/L	94
14) Methylene chloride	3.012	84	8409	Below Cal		96
82) 1,2,4-Trichlorobenzene	12.773	180	1774	0.54	ug/L	89
83) 1,2,3-Trichlorobenzene	13.269	180	2122	0.72	ug/L	98
84) Hexachlorobutadiene	12.959	225	866	0.40	ug/L	88
85) Naphthalene	13.023	128	5006	0.76	ug/L	98

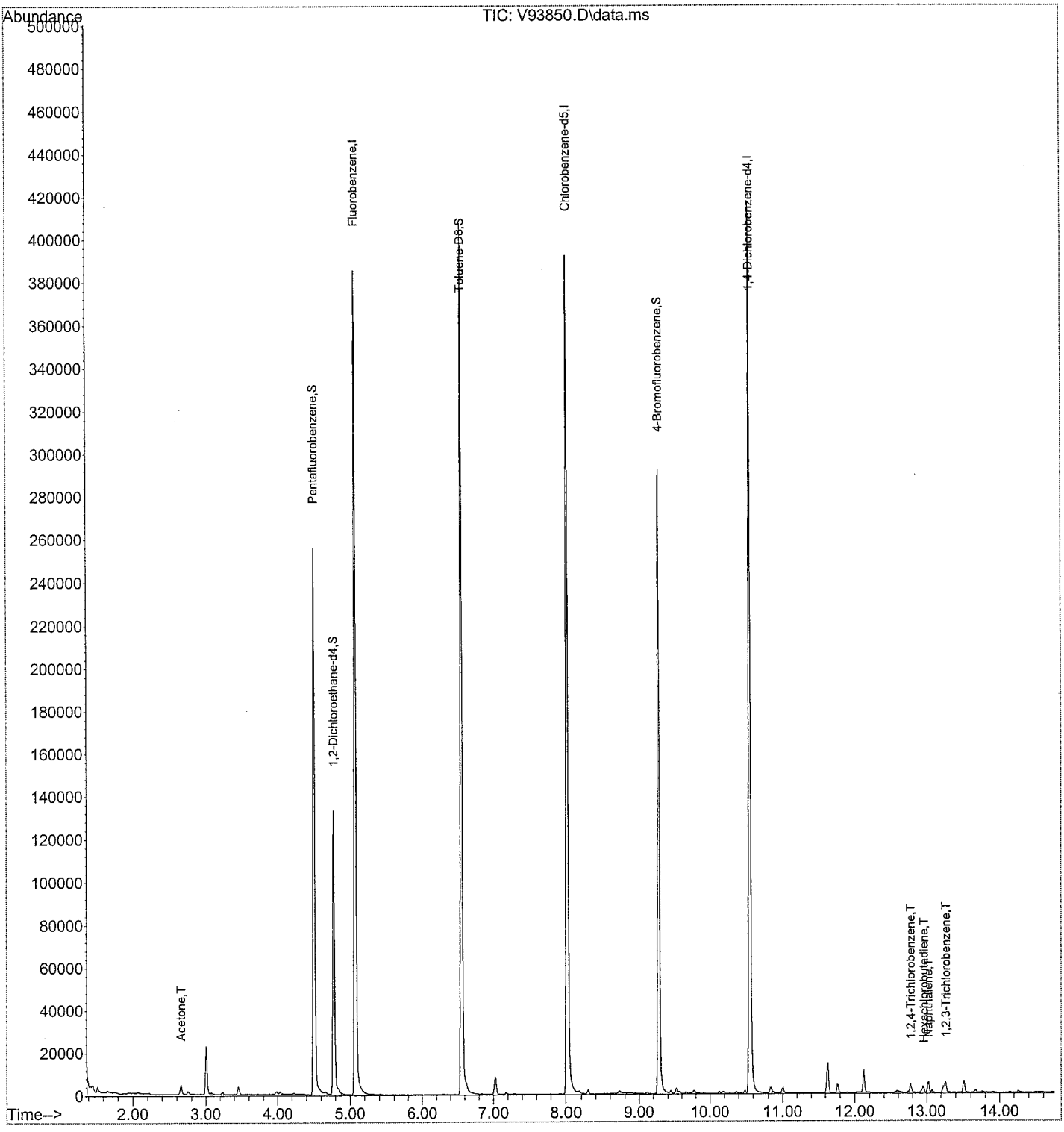
J < 5

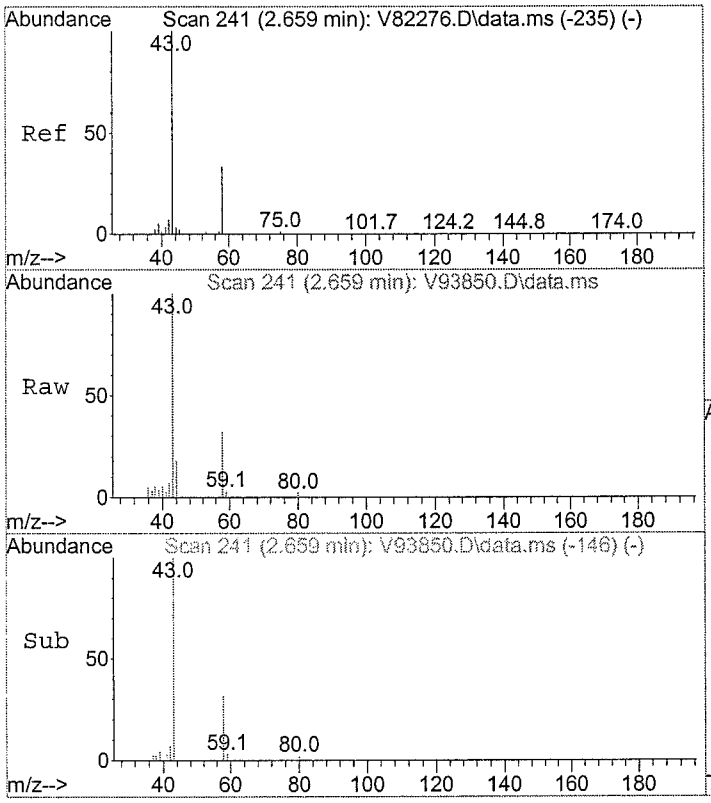
12/5 BB

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

Data File: C:\msdchem\1\DATA\111202\V93850.D
DataAcq Meth:8260RUN.M
Acq On : 2 Dec 2011 11:06 pm Operator: Bill Brew
Sample : SOIL LRB Inst : Instrument #1
Misc : Soil
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Dec 05 11:35:02 2011
Quant Method : C:\msdchem\1\METHODS\112111.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Dec 05 11:00:45 2011
Response via : Initial Calibration
Integrator: RTE

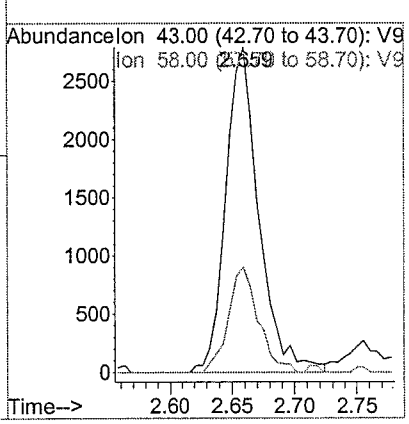




#11
Acetone
Concen: 7.34 ug/L
RT: 2.659 min Scan# 241
Delta R.T. 0.007 min
Lab File: V93850.D
Acq: 2 Dec 2011 11:06 pm

Tgt Ion: 43 Resp: 5073

Ion	Ratio	Lower	Upper
43	100		
58	29.4	12.6	52.6



12/5 B3

GC / MS VOA System 6890 / 5973

Internal Standard: 11257

Date of Intial Calibration: 11/21/11

Date	GC Method	Vial #	Data File	Matrix	Sample ID	Volume	Std#	Test	Seq	Intials	A	R	pH	Res Cl	Comments	Intials
11/21/11	8260 RUN	1	V93582		50 ng BFB	1 µl	11238		1	BB						
		2	V93583		↓	↓	↓									BB
		3	V93584		1 ppb mega Cal	0.1 µl	11242	updated 11/21/11 BB 112111.M								
		4	V93585		5	0.5										
		5	V93586		20	2										
		6	V93587		50	5										
		7	V93588		100	10										
		8	V93589		150	15										
		9	V93590		200	20	↓		↓							
		10	V93591	soil	LCS / SS Ref	5 µl	11243		2							
		11	V93592		LRB				3							
		12	V93593		16595	0.0424g	62-2	*				X			no lg	
		13	V93594		16596	1.28g	62-1									
		14	V93595		16597	0.194g	62-2									
		15	V93596		16598	1.25g	↓									
		16	V93597		MS	1.03g										
		17	V93598		↓ MSD	1.24g										
		18	V93599		16599	0.167g	62-2									
		19	V93600		16733	1.56g	62									
		20	V93601		16734	1.31g	↓									
		21	V93602		16661B	1.27g	63-1									
		22	V93603		16662B	1.12g	63-2									
		23	V93604		16809	1.46g	62-1								Rush!	
	↓	24	V93605	↓	16810	1.32g	↓		↓	↓					↓	↓

*A = Accept R = Reject

^ pH and Res Cl recorded for 624 Only

GC / MS VOA System 6890 / 5973

Internal Standard: 11271

Date of Intial Calibration: 11/21/11

Date	GC Method	Vial #	Data File	Matrix	Sample ID	Volume	Std#	Test	Seq	Intials	A	R	pH	Res Cl	Comments	Intials
12/2/11	8260 RUN	18	V93839	water	17092	5 ml	V1	TCL-site	2	BB						BB
		19	V93840		17093											
		20	V93841		17094											
		21	V93842		17095											
		22	V93843		17096											
		23	V93844	oil	M/L PB	100 µl			1							
		24	V93845		17184	100 µl	62	TCL							Rush!	
		25	V93846		50 ng BFB	1 µl	11238								2nd window	
		26	V93847													BB
		27	V93848		50ppb mega cc	5 µl	11242									
		28	V93849	soil	ccs	5 µl	11243		3							
		29	V93850		LRB				4							
		30	V93851		17182	1.29 g	62	*							Rush!	
		31	V93852		17183	1.50 g		*								
		32	V93853		17178	0.0540 g		*				x	Re M/L		HT up 12/5	
		33	V93854	solid	ten bay	2.28 g	PB	MeCl2								
		34	V93855		10 ppb Acrolein	1 µl	11272	(old)	5							
		35	V93856		10ppb	1 µl	11274	(new)								
		36	V93857		100 ppb	10 µl	11272	(old)								
		37	V93858		100 ppb	10 µl	11274	(new)								
		38	V93859	soil	17276	2.66 g	61	Asp	6						Rush!	
		39	V93860		17277	2.53 g										

*A = Accept R = Reject

^ pH and Res Cl recorded for 624 Only

SEMIVOLATILE ORGANICS

QC SUMMARY

2D

SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Lab Project #: 11-5230A Client Project #: 209280 SDG No.: 17276

Client Project Name: 690 St. Paul St.

	SAMPLE NO.	S1 2-FP	S2 P-d5	S3 NB-d5	S4 2-FBP	S5 2,4,6-TBP	S6 TP-d14	TOT OUT
01	Soil PB 12/05	73.5	83.9	85.6	79.9	82.3	94.4	0
02	Soil LCS 12/05	78.7	87.5	90.1	84.5	85.0	99.6	0
03	AOC1-CS-8 17276	65.3	74.2	75.9	68.7	67.8	76.3	0
04	AOC1-CS-9 17277	72.5	81.9	80.3	75.3	74.9	83.4	0
05								
06								
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

	QC LIMITS %
S1 (2-FP) =2-Fluorophenol	(51.2-85.5)
S2 (P-d5) = Phenol-d5	(55.2-89.8)
S3 (NB-d5) = Nitrobenzene-d5	(62.0-93.6)
S4 (2-FBP) = 2-Fluorobiphenyl	(62.2-99.3)
S5 (2,4,6-TBP) = 2,4,6-Tribromophenol	(56.4-110)
S6 (TP) = Terphenyl-d14	(65.4-109)

* Values outside of current required QC limits

D Surrogate diluted out

PARADIGM
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc.

Client Job Site: 690 St. Paul St.
Client Job Number: 209280
Field Location: N/A
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5230A
Lab Sample Number: Soil LCS 12/05
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 12/05/2011

SDG# : 17276

Spiked Compound	Sample Results in ug / Kg	LCS Spiked in ug / Kg	LCS Results in ug / Kg	LCS Percent Recovery	MSD Spiked in ug / Kg	MSD Results in ug / Kg	MSD Percent Recovery	MS / MSD % RPD
2-Chlorophenol	< 286	2,140	1,870	87.4	N/A	N/A	N/A	N/A
1,4-Dichlorobenzene	< 286	1,430	1,090	76.2	N/A	N/A	N/A	N/A
N-Nitroso-di-n-propylamine	< 286	1,430	1,470	103	N/A	N/A	N/A	N/A
Phenol	< 286	2,140	1,920	89.7	N/A	N/A	N/A	N/A
4-Chloro-3-methylphenol	< 286	2,140	2,130	99.5	N/A	N/A	N/A	N/A
1,2,4-Trichlorobenzene	< 286	1,430	1,010	70.6	N/A	N/A	N/A	N/A
Acenaphthene	< 286	1,430	1,270	88.8	N/A	N/A	N/A	N/A
2,4-Dinitrotoluene	< 286	1,430	1,260	88.1	N/A	N/A	N/A	N/A
4-Nitrophenol	< 714	2,140	2,130	99.5	N/A	N/A	N/A	N/A
Pentachlorophenol	< 714	2,140	2,080	97.2	N/A	N/A	N/A	N/A
Pyrene	< 286	1,430	1,390	97.2	N/A	N/A	N/A	N/A

ELAP Number 10958 Data File: S60155.D Data File: S60156.D Method: EPA 8270C

PARADIGM
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile Analysis QC Limits

Limits effective: Oct 22,2011
Through: Dec 31,2011

Spiked Compound	Soil Spike Limits		Soil % RPD Limits		Water Spike Limits		Water % RPD Limits	
	Lower %	Upper %	Lower %	Upper %	Lower %	Upper %	Lower %	Upper %
2-Chlorophenol	58.2	92.4	0	19.8	26.5	108	0	90.2
1,4-Dichlorobenzene	58.9	86.1	0	14.6	20.0	81.9	0	91.8
N-Nitroso-di-n-propylamine	57.7	100	0	22.6	40.1	108	0	75.8
Phenol	56.4	95.0	0	20.0	-10.3	107	0	177
4-Chloro-3-methylphenol	65.1	104	0	23.4	49.3	110	0	52.7
1,2,4-Trichlorobenzene	56.0	90.8	0	15.8	24.4	86.5	0	94.3
Acenaphthene	65.3	97.7	0	15.6	43.9	103	0	77.0
2,4-Dinitrotoluene	56.8	114	0	115	36.2	111	0	78.0
4-Nitrophenol	51.3	107	0	24.0	-32.8	123	0	291
Pentachlorophenol	43.6	128	0	37.0	-16.2	163	0	229
Pyrene	72.2	106	0	17.4	47.8	114	0	73.7
Surrogates								
2-Fluorophenol	51.2	85.5	N/A	N/A	-8.58	109		
Phenol-d5	55.2	89.8	N/A	N/A	-10.7	104		
Nitrobenzene-d5	62.0	93.6	N/A	N/A	43.7	101		
2-Fluorobiphenyl	62.2	99.3	N/A	N/A	36.5	90.9		
2,4,6-Tribromophenol	56.4	110	N/A	N/A	9.90	143		
Terphenyl-d14	65.4	109	N/A	N/A	56.4	112		

ELAP Number 10958

Method: EPA 8270B

Note: When the lower acceptance limit is calculated to be below 10% recovery, a warning limit of 10% is established. Recoveries between the lower acceptance limit and the warning limit will be investigated, but will not invalidate the batch.

4B

SEMIVOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

Soil PB 12/05

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Lab Project #: 11-5230A Client Project #: 209280 SDG No.: 17276

Client Project Name: 690 St. Paul St.

Lab File ID: S60155.D Lab Sample ID: Soil PB 12/05

Instrument ID: 73SVOAV2 Date Extracted: 12/5/2011

Matrix: (soil/water) Soil Date Analyzed: 12/5/2011

Level: (low/med) low Time Analyzed: 12:22

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	N/A	Soil LCS 12/05	S60156.D	12/5/2011
02	AOC1-CS-8	17276	S60157.D	12/5/2011
03	AOC1-CS-9	17277	S60158.D	12/5/2011
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

COMMENTS:

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLOUROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Lab Project #: 11-5230A Client Project #: 209280 SDG#: 17276

Client Project Name: 690 St. Paul St.

Lab File ID: S60032a.D DFTPP Injection Date: 11/28/2011

Instrument ID: 73SVOA DFTPP Injection Time: 08:42

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0-60.0% of mass 198	38.0
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	46.0
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0-60.0% of mass 198	46.5
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	7.1
275	10.0-30.0% of mass 198	28.0
365	Greater than 1.0% of mass 198	3.1
441	Present, but less than mass 443	6.9
442	40.0-100.0% of mass 198	51.8
443	17.0-23.0% of mass 442	9.2 (17.8)2

1-Value is % mass 69 2-Value is % mass 442

This check applies to the following Samples, MS, MSD, Blanks & Standards

	Client Sample #	Lab Sample #	Lab File ID	Date Analyzed	Time Analyzed
1	N/A	8270 ICal L-1 10ppm	S60033.D	11/28/2011	09:13
2	N/A	8270 ICal L-2 20ppm	S60034.D	11/28/2011	09:44
3	N/A	8270 ICal L-3 50ppm	S60035.D	11/28/2011	10:15
4	N/A	8270 ICal L-4 100ppm	S60036.D	11/28/2011	10:46
5	N/A	8270 ICal L-5 150ppm	S60037.D	11/28/2011	11:17
6	N/A	8270 ICal L-6 200ppm	S60038.D	11/28/2011	11:48
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLOUROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Lab Project #: 11-5230A Client Project #: 209280 SDG#: 17276

Client Project Name: 690 St. Paul St.

Lab File ID: S60153.D DFTPP Injection Date: 12/5/2011

Instrument ID: 73SVOA DFTPP Injection Time: 10:41

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0-60.0% of mass 198	48.9
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	57.4
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0-60.0% of mass 198	51.0
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	6.6
275	10.0-30.0% of mass 198	29.2
365	Greater than 1.0% of mass 198	3.6
441	Present, but less than mass 443	11.0
442	40.0-100.0% of mass 198	66.8
443	17.0-23.0% of mass 442	12.7 (19.0)2

1-Value is % mass 69 2-Value is % mass 442

This check applies to the following Samples, MS, MSD, Blanks & Standards

	Client Sample #	Lab Sample #	Lab File ID	Date Analyzed	Time Analyzed
1	N/A	8270 CCal 50ppm	S60154.D	12/5/2011	11:12
2	N/A	Soil PB 12/05	S60155.D	12/5/2011	12:22
3	N/A	Soil LCS 12/05	S60156.D	12/5/2011	12:53
4	AOC1-CS-8	17276	S60157.D	12/5/2011	13:25
5	AOC1-CS-9	17277	S60158.D	12/5/2011	13:57
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Lab Project #: 11-5230A Client Project #: 209280 SDG#: 17276

Client Project Name: 690 St. Paul St.

Lab File ID: S60154.D Date Analyzed: 12/5/2011

Instrument ID: 73SVOA Time Analyzed: 11:12

		IS1 AREA	DCB RT	IS2 AREA	Naphth RT	IS3 AREA	Acenaph RT
	12 HOUR STD	70727	7.14	248780	9.01	150390	11.64
	UPPER LIMIT	141454	7.64	497560	9.51	300780	12.14
	LOWER LIMIT	35364	6.64	124390	8.51	75195	11.14
	LAB SAMPLE#						
1	Soil PB 12/05	56954	7.14	198110	9.00	119362	11.64
2	Soil LCS 12/05	51264	7.14	177064	9.00	107318	11.64
3	17276	56718	7.14	195574	9.00	118537	11.64
4	17277	55247	7.14	194446	9.00	117107	11.64
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS1=1,4 Dichlorobenzene-d4

IS2=Naphthalene-d8

IS3=Acenaphthene-d10

AREA UPPER LIMIT=+100% of internal standard area

AREA LOWER LIMIT=-50% of internal standard area

RT UPPER LIMIT=+.50 minutes of internal standard RT

RT LOWER LIMIT=-.50 minutes of internal standard RT

*Values outside of QC limits

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Lab Project #: 11-5230A Client Project #: 209280 SDG#: 17276

Client Project Name: 690 St. Paul St.

Lab File ID: S60154.D Date Analyzed: 12/5/2011

Instrument ID: 73SVOA Time Analyzed: 11:12

		IS4 AREA	Phenan RT	IS5 AREA	Chrysene RT	IS6 AREA	Perylene RT
	12 HOUR STD	248122	13.83	264719	17.98	247914	19.93
	UPPER LIMIT	496244	14.33	529438	18.48	495828	20.43
	LOWER LIMIT	124061	13.33	132360	17.48	123957	19.43
	LAB SAMPLE#						
1	Soil PB 12/05	200835	13.83	203084	17.98	189466	19.93
2	Soil LCS 12/05	179252	13.83	178740	17.97	169103	19.94
3	17276	197421	13.83	207558	17.97	194250	19.93
4	17277	195162	13.83	199971	17.97	194502	19.93
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS4=Phenanthrene-d10

IS5=Chrysene-d12

IS6=Perylene-d12

AREA UPPER LIMIT=+100% of internal standard area

AREA LOWER LIMIT=-50% of internal standard area

RT UPPER LIMIT=+.50 minutes of internal standard RT

RT LOWER LIMIT=-.50 minutes of internal standard RT

*Values outside of QC limits

Instrument: 73 SVOA
Matrix: Soil
Date Run: 1/18/2011
Target (in ppm) 10
* Target (in ppm) 5
** Failed 10% rule at both levels

	Compound	MDL1 Data File: S54801.D	MDL2 Data File: S54802.D	MDL3 Data File: S54803.D	MDL4 Data File: S54804.D	MDL5 Data File: S54805.D	MDL6 Data File: S54806.D	MDL7 Data File: S54807.D	Standard Deviation	MDL	Pass / Fail 10% Rule
1	1,4-Dichlorobenzene-d4	40.000	40.000	40.000	40.000	40.000	40.000	40.000	0.0000	0.000	
2	Benzyl alcohol	8.868	8.776	8.117	8.734	9.068	8.451	8.053	0.3855	1.212	
3	Bis (2-chloroethyl) ether	8.300	8.914	8.074	8.596	8.693	8.572	8.015	0.3327	1.046	
4	Bis (2-chloroisopropyl) ether	9.866	9.992	9.219	9.321	10.045	9.473	9.217	0.3668	1.153	
*5	2-Chlorophenol	4.717	4.133	4.681	4.704	4.581	4.519	4.172	0.2486	**0.781**	
6	1,3-Dichlorobenzene	8.925	9.431	8.587	9.015	9.687	9.073	8.800	0.3743	1.176	
7	1,4-Dichlorobenzene	9.029	9.334	8.670	8.933	9.571	8.813	8.758	0.3276	1.030	
8	1,2-Dichlorobenzene	8.881	9.417	8.802	8.950	9.556	8.882	8.446	0.3785	1.190	
9	2-Fluorophenol	97.819	98.583	94.021	93.277	95.858	91.146	91.506	2.9267	9.199	
10	Hexachloroethane	5.817	5.970	5.688	5.965	6.383	5.680	7.752	0.7332	2.305	
11	2-Methylphenol	8.975	9.744	8.904	9.369	9.642	8.933	8.868	0.3740	1.175	
12	3&4-Methylphenol	9.011	9.333	8.946	9.270	9.872	8.989	9.346	0.3217	1.011	
13	N-Nitrosodimethylamine	8.380	9.256	8.199	8.406	8.756	8.695	8.073	0.4000	1.257	
*14	N-Nitroso-di-n-propylamine	4.887	4.639	5.155	5.138	5.306	4.859	4.745	0.2430	**0.764**	
*15	Phenol	5.286	4.840	5.062	5.090	5.239	4.890	4.928	0.1720	**0.541**	
16	Phenol-d5	96.871	91.049	95.263	97.341	99.068	91.190	89.982	3.6136	11.357	
17	Napthalene-d8	40.000	40.000	40.000	40.000	40.000	40.000	40.000	0.0000	0.000	
**18	Aniline	3.605	3.375	3.663	3.597	3.709	3.549	3.584	0.1061	0.333	Fail
19	Benzoic acid	13.589	13.541	13.407	13.350	13.637	12.914	12.664	0.3701	1.163	
*20	Bis (2-chloroethoxy) methan	4.827	4.345	5.010	5.166	4.818	4.547	4.784	0.2734	**0.859**	
21	4-Chloroaniline	8.648	9.076	8.431	8.566	9.502	8.644	8.394	0.3991	1.254	
22	4-Chloro-3-methylphenol	9.539	9.609	9.278	9.594	10.317	9.223	9.255	0.3790	1.191	
*23	2,4-Dichlorophenol	4.775	4.682	4.614	4.797	5.136	4.577	4.720	0.1850	**0.582**	
24	2,6-Dichlorophenol	9.334	9.773	9.545	9.646	10.005	9.056	9.241	0.3276	1.030	
*25	2,4-Dimethylphenol	4.978	3.983	4.574	4.542	4.501	3.986	4.122	0.3683	**1.158**	
26	Hexachlorobutadiene	8.913	9.258	8.585	8.611	9.125	8.430	8.343	0.3511	1.103	
27	Isophorone	7.789	8.245	8.106	7.990	8.805	7.667	7.679	0.4014	1.262	
*28	2-Methylnapthalene	5.202	4.812	5.125	5.289	5.096	4.731	5.060	0.2025	**0.637**	
29	Naphthalene	9.669	10.061	9.575	9.761	10.413	9.650	9.436	0.3337	1.049	
30	Nitrobenzene	8.809	9.469	9.232	9.020	9.969	8.999	8.895	0.4047	1.272	
31	Nitrobenzene-d5	51.186	54.744	50.465	50.593	54.066	50.021	48.683	2.2038	6.927	
32	2-Nitrophenol	8.481	9.153	8.792	8.943	9.611	8.688	8.906	0.3635	1.142	
**33	Azobenzene	5.083	4.914	5.120	5.071	5.077	4.800	4.962	0.1163	0.366	Fail
34	1,2,4-Trichlorobenzene	8.726	9.042	8.842	8.337	9.160	8.485	8.316	0.3354	1.054	
35	Acenaphthene-d10	40.000	40.000	40.000	40.000	40.000	40.000	40.000	0.0000	0.000	
*36	2-Chloronaphthalene	7.290	6.793	7.128	7.208	7.518	6.861	6.970	0.2551	**0.802**	
*37	Acenaphthene	5.131	5.008	5.017	5.375	5.388	5.012	4.916	0.1885	**0.592**	
38	Acenaphthylene	10.086	10.717	9.945	10.592	10.834	9.881	10.019	0.4023	1.264	
39	4-Chlorophenyl phenyl ether	9.495	10.010	9.470	10.027	10.332	9.361	9.345	0.3948	1.241	
40	Dibenzofuran	10.026	10.520	9.938	10.417	10.796	9.962	9.843	0.3620	1.138	

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

*41	Diethyl phthalate	5.288	5.267	5.192	5.017	5.392	4.914	4.795	0.2189	**0.688**	
42	Dimethyl phthalate	9.708	10.158	9.403	10.106	10.178	9.241	9.435	0.3993	1.255	
43	2,4-Dinitrophenol	9.947	9.856	9.457	9.882	9.955	9.236	11.813	0.8368	2.630	
*44	2,4-Dinitrotoluene	4.508	4.373	4.504	4.361	4.590	3.963	4.458	0.2060	**0.648**	
45	2,6-Dinitrotoluene	8.350	8.985	8.298	8.717	9.511	8.238	8.358	0.4700	1.477	
*46	Fluorene	5.324	5.085	5.351	5.282	5.449	4.984	5.035	0.1789	**0.562**	
47	2-Fluorobiphenyl	53.248	56.313	53.934	54.543	56.001	52.331	52.003	1.6820	5.287	
48	Hexachlorocyclopentadiene	0.773	0.787	0.500	0.515	0.687	0.416	2.518	0.7341	2.307	
49	2-Nitroaniline	9.874	10.663	10.098	10.164	10.500	9.722	9.876	0.3462	1.088	
50	3-Nitroaniline	9.173	9.842	8.922	9.471	9.772	9.233	8.993	0.3629	1.141	
51	4-Nitroaniline	9.774	9.922	9.520	10.308	9.899	8.860	9.683	0.4475	1.406	
52	4-Nitrophenol	8.235	8.284	8.579	8.113	8.286	6.970	8.342	0.5245	1.648	
53	2,4,6-Tribromophenol	117.947	122.726	114.967	125.724	116.465	108.088	113.703	5.8373	18.347	
54	2,4,6-Trichlorophenol	9.609	9.689	9.178	9.805	10.119	10.047	9.129	0.3869	1.216	
55	2,4,5-Trichlorophenol	9.732	9.784	9.620	10.079	9.585	9.033	8.910	0.4183	1.315	
56	Phenanthrene-d10	40.000	40.000	40.000	40.000	40.000	40.000	40.000	0.0000	0.000	
57	4-Bromophenyl phenyl ether	10.156	10.525	9.580	10.362	10.522	9.843	9.654	0.4011	1.261	
58	Di-n-butyl phthalate	10.837	10.967	10.454	11.254	11.339	10.227	10.550	0.4157	1.307	
59	4,6-Dinitro-2-methylphenol	9.198	9.018	8.672	8.789	9.198	8.388	11.092	0.8871	2.788	
60	Fluoranthene	11.106	10.868	10.628	11.176	11.230	10.366	10.612	0.3306	1.039	
**61	Hexachlorobenzene	5.392	5.454	5.420	5.425	5.542	5.282	5.387	0.0785	0.247	Fail
62	N-Nitrosodiphenylamine	8.515	8.746	7.892	8.548	8.911	8.218	8.059	0.3703	1.164	
63	Pentachlorophenol	7.441	8.086	7.712	8.378	7.790	7.332	7.775	0.3584	1.127	
*64	Anthracene	5.605	5.344	5.506	5.209	5.580	5.103	5.289	0.1923	**0.604**	
65	Phenanthrene	10.310	10.537	10.127	10.318	10.984	10.164	9.908	0.3460	1.087	
66	Chrysene-d12	40.000	40.000	40.000	40.000	40.000	40.000	40.000	0.0000	0.000	
**67	Benzidine	1.368	1.343	1.486	1.237	1.547	1.316	1.469	0.1090	0.343	Fail
68	Benzo (a) anthracene	10.052	10.477	10.105	10.677	10.619	9.358	9.908	0.4652	1.462	
69	Bis (2-ethylhexyl) phthalate	10.076	10.391	9.900	10.468	10.558	9.036	9.647	0.5402	1.698	
70	Butylbenzylphthalate	9.619	10.052	9.389	10.129	10.127	9.040	9.669	0.4138	1.301	
71	Chrysene	9.942	10.250	9.979	10.438	10.447	9.480	9.839	0.3497	1.099	
72	3,3'-Dichlorobenzidine	10.385	10.822	10.287	11.020	10.887	10.079	10.620	0.3471	1.091	
73	Pyrene	10.285	10.683	10.017	10.640	10.816	9.412	9.885	0.5085	1.598	
74	Terphenyl-d14	56.095	58.828	56.184	59.207	58.046	52.645	55.120	2.3134	7.271	
75	Perylene-d12	40.000	40.000	40.000	40.000	40.000	40.000	40.000	0.0000	0.000	
76	Benzo (b) fluoranthene	10.600	10.845	10.642	11.874	11.362	10.459	10.932	0.4988	1.568	
77	Benzo (k) fluoranthene	6.717	6.909	6.682	6.953	7.135	5.656	6.243	0.5073	1.594	
78	Benzo (g,h,i) perylene	10.568	10.862	10.376	11.001	10.871	9.829	10.482	0.3995	1.256	
79	Benzo (a) pyrene	9.891	10.375	10.046	10.737	10.632	9.242	9.994	0.5084	1.598	
80	Dibenz (a,h) anthracene	10.739	11.060	10.548	11.141	11.152	9.946	10.233	0.4724	1.485	
81	Di-n-octylphthalate	13.245	13.737	13.318	13.854	13.824	12.723	13.389	0.4034	1.268	
82	Indeno (1,2,3-cd) pyrene	10.985	11.009	10.954	11.494	11.627	10.100	10.805	0.4981	1.566	
*83	Pyridine	3.737	3.358	3.327	2.852	3.550	3.194	3.173	0.2841	**0.893**	
*84	Biphenyl	5.416	4.953	5.218	5.328	5.347	5.048	5.229	0.1669	**0.525**	
*85	Acetophenone	4.817	4.282	4.593	4.571	4.498	4.416	4.245	0.1970	**0.619**	
**86	Atrazine	1.586	1.369	1.578	1.459	1.560	1.358	1.538	0.0978	0.307	Fail
**87	Caprolactam	4.709	4.322	4.477	4.547	4.620	4.643	4.322	0.1538	0.483	Fail
*88	Carbazole	2.328	2.160	2.383	2.144	2.428	1.854	1.913	0.2250	0.707	
89	Benzaldehyde	8.916	10.055	10.439	11.017	12.055	13.042	12.093	1.4127	4.440	
*90	1,2,4,5-Tetrachlorobenzene	4.831	4.500	4.954	4.925	5.023	4.677	4.734	0.1821	**0.572**	
*91	2,3,4,6-Tetrachlorophenol	4.701	4.229	4.333	4.442	4.483	4.124	4.408	0.1864	**0.586**	

SEMIVOLATILE ORGANICS

SAMPLE DATA

PARADIGM
ENVIRONMENTAL SERVICES, INC
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc.

Client Job Site:	690 St Paul St.	**Lab Project Number:**	11-5230A
		Lab Sample Number:	17276
Client Job Number:	209280		
Field Location:	AOC1-CS-8	**Date Sampled:**	12/02/2011
Field ID Number:	N/A	**Date Received:**	12/02/2011
Sample Type:	Soil	**Date Analyzed:**	12/05/2011

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	< 307	Dibenz (a,h) anthracene	< 307
Anthracene	< 307	Fluoranthene	< 307
Benzo (a) anthracene	< 307	Fluorene	< 307
Benzo (a) pyrene	< 307	Indeno (1,2,3-cd) pyrene	< 307
Benzo (b) fluoranthene	< 307	Naphthalene	< 307
Benzo (g,h,i) perylene	< 307	Phenanthrene	< 307
Benzo (k) fluoranthene	< 307	Pyrene	< 307
Chrysene	< 307	Acenaphthylene	< 307
Diethyl phthalate	< 307	1,2-Dichlorobenzene	< 307
Dimethyl phthalate	< 768	1,3-Dichlorobenzene	< 307
Butylbenzylphthalate	< 307	1,4-Dichlorobenzene	< 307
Di-n-butyl phthalate	< 307	1,2,4-Trichlorobenzene	< 307
Di-n-octylphthalate	< 307	Nitrobenzene	< 307
Bis (2-ethylhexyl) phthalate	< 307	2,4-Dinitrotoluene	< 307
2-Chloronaphthalene	< 307	2,6-Dinitrotoluene	< 307
Hexachlorobenzene	< 307	Bis (2-chloroethyl) ether	< 307
Hexachloroethane	< 307	Bis (2-chloroisopropyl) ether	< 307
Hexachlorocyclopentadiene	< 307	Bis (2-chloroethoxy) methane	< 307
Hexachlorobutadiene	< 307	4-Bromophenyl phenyl ether	< 307
N-Nitroso-di-n-propylamine	< 307	4-Chlorophenyl phenyl ether	< 307
N-Nitrosodiphenylamine	< 307	Benzidine	< 768
N-Nitrosodimethylamine	< 307	3,3'-Dichlorobenzidine	< 307
Isophorone	< 307	4-Chloroaniline	< 307
Benzyl alcohol	< 768	2-Nitroaniline	< 768
Dibenzofuran	< 307	3-Nitroaniline	< 768
2-Methylnapthalene	< 307	4-Nitroaniline	< 768

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	< 307	2-Methylphenol	< 307
2-Chlorophenol	< 307	3&4-Methylphenol	< 307
2,4-Dichlorophenol	< 307	2,4-Dimethylphenol	< 307
2,6-Dichlorophenol	< 307	2-Nitrophenol	< 307
2,4,5-Trichlorophenol	< 768	4-Nitrophenol	< 768
2,4,6-Trichlorophenol	< 307	2,4-Dinitrophenol	< 768
Pentachlorophenol	< 768	4,6-Dinitro-2-methylphenol	< 768
4-Chloro-3-methylphenol	< 307	Benzoic acid	< 768

ELAP Number 10958 Analytical Method: EPA 8270C Data File: S60157.D

Prep Method: EPA 3550C

Comments: ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

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PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc.

Client Job Site:	690 St Paul St.	**Lab Project Number:**	11-5230A
		Lab Sample Number:	17276
Client Job Number:	209280		
Field Location:	AOC1-CS-8	**Date Sampled:**	12/02/2011
Field ID Number:	N/A	**Date Received:**	12/02/2011
Sample Type:	Soil	**Date Analyzed:**	12/05/2011

Tentatively Identified Compounds	CAS Number	Retention Time	Results in ug / Kg	Percent Fit
Unknown	N/A	11.84	143	N/A
Cyclic octaatomic sulfur	010544-50-0	15.62	956	92

ELAP Number 10958

Analytical Method: EPA 8270C
Prep Method: EPA 3550C

Data File: S60157.D

Comments: ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

Quantitation Report (Not Reviewed)

LaBella 5230A 11-12/1

Data File : C:\msdchem\1\DATA\111205\S60157.D Vial: 6
Acq On : 5 Dec 2011 1:25 pm Operator: G.J.Brien
Sample : 17276 LaBella 5230A Inst : 73SVOAV2
Misc : ABN Soil ASP

35.1 1 mL

Quant Time: Dec 05 15:18:45 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Thu Dec 01 10:59:00 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M

12/5/11

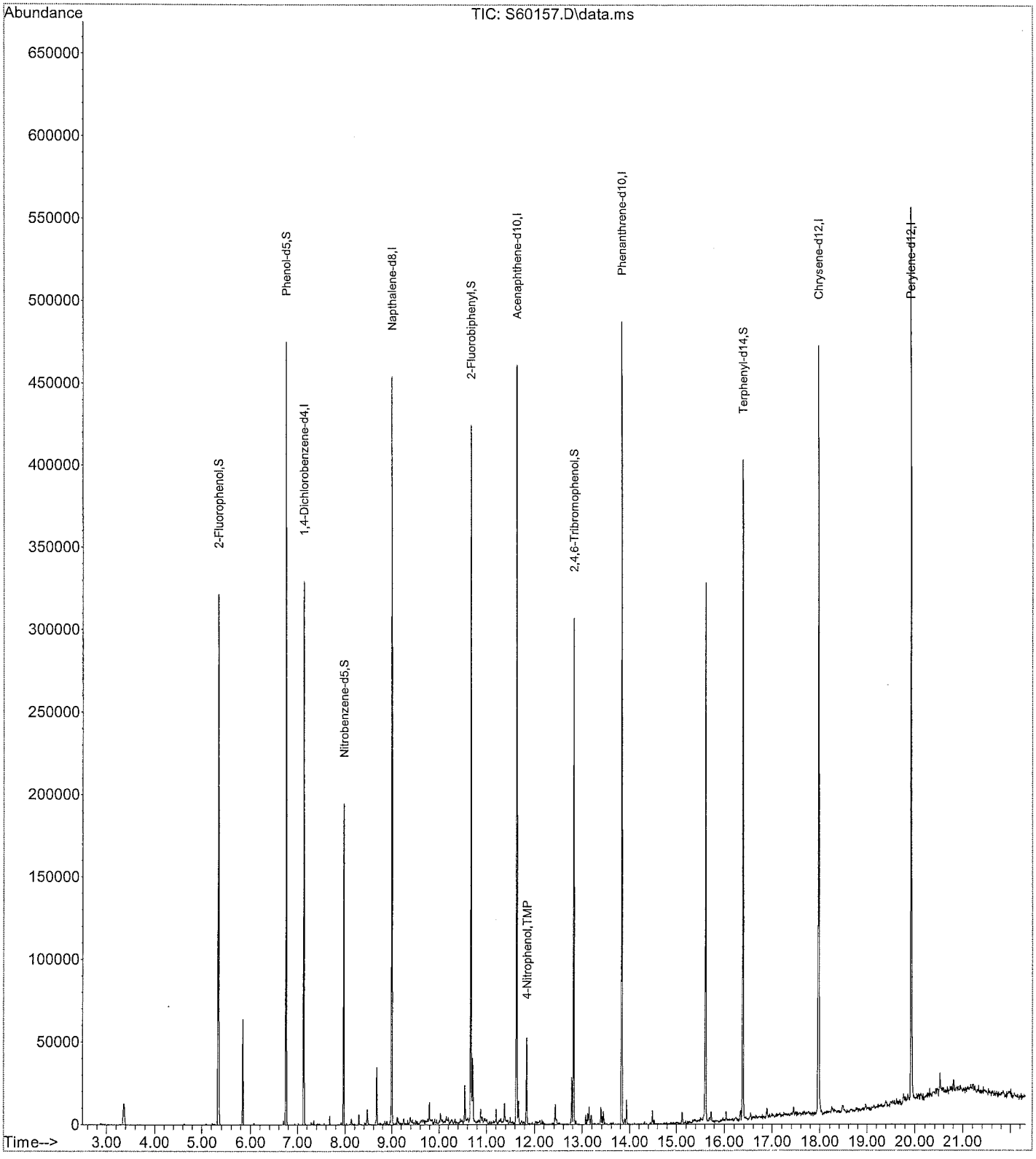
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.135	152	56718	40.00	ug/ml	0.00
17) Napthalene-d8	9.003	136	195574	40.00	ug/ml	0.00
35) Acenaphthene-d10	11.641	164	118537	40.00	ug/ml	0.00
56) Phenanthrene-d10	13.827	188	197421	40.00	ug/ml	-0.01
66) Chrysene-d12	17.969	240	207558	40.00	ug/ml	-0.02
75) Perylene-d12	19.926	264	194250	40.00	ug/ml	0.00
System Monitoring Compounds						
9) 2-Fluorophenol	5.343	112	101704	65.25	ug/ml	0.00
Spiked Amount 100.000	Range 51 - 86		Recovery = 65.25%			
16) Phenol-d5	6.759	99	142262	74.22	ug/ml	0.00
Spiked Amount 100.000	Range 55 - 90		Recovery = 74.22%			
31) Nitrobenzene-d5	7.975	82	65689	37.95	ug/ml	0.00
Spiked Amount 50.000	Range 62 - 94		Recovery = 75.90%			
47) 2-Fluorobiphenyl	10.672	172	137589	34.33	ug/ml	0.00
Spiked Amount 50.000	Range 62 - 99		Recovery = 68.66%			
53) 2,4,6-Tribromophenol	12.828	330	37919	67.80	ug/ml	0.00
Spiked Amount 100.000	Range 56 - 109		Recovery = 67.80%			
74) Terphenyl-d14	16.377	244	158160	38.14	ug/ml	-0.01
Spiked Amount 50.000	Range 65 - 109		Recovery = 76.28%			
Target Compounds						Qvalue
52) 4-Nitrophenol	11.847	65	884	~~7.43 ug/ml#~~	NCMS	4

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

Quantitation Report (Not Reviewed)

Data File : C:\msdchem\1\DATA\111205\S60157.D Vial: 6
Acq On : 5 Dec 2011 1:25 pm Operator: G.J.Brien
Sample : 17276 LaBella 5230A Inst : 73SVOAV2
Misc : ABN Soil ASP

Quant Time: Dec 05 15:18:45 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Thu Dec 01 10:59:00 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M



Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\111205\
Data File : S60157.D
Acq On : 5 Dec 2011 1:25 pm
Operator : G.J.Brien
Sample : 17276 LaBella 5230A
Misc : ABN Soil ASP
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ABN112811.M
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: Rteint.p

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc	
~~Ethane, 1,1,2,2...~~	~~5.842~~	~~8.2~~	~~ug/ml~~	~~69226~~	~~1~~	~~7.135~~	~~338289~~	~~40.0~~	~~VOA TIC~~
9-Borabicyclo[3...	11.841	4.7	ug/ml	58112	3	11.641	499273	40.0	unknown
Cyclic octaatom...	15.619	31.1	ug/ml	415049	4	13.827	533364	40.0	sulfur

Data Path : C:\msdchem\1\DATA\111205\
Data File : S60157.D
Acq On : 5 Dec 2011 1:25 pm
Operator : G.J.Brien
Sample : 17276 LaBella 5230A
Misc : ABN Soil ASP
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 3000 Area counts
Start Thrs: 0.1 Max Peaks: 200
Stop Thrs : 0.1 Peak Location: TOP

If leading or trailing edge < 10 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\ABN112811.M
Title :

Signal : TIC: S60157.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.363	145	150	156	rBB3	12542	26176	4.49%	0.411%
2	5.343	482	487	493	rBB	321560	369989	63.48%	5.810%
3	5.842	568	572	576	rBB	63765	69226	11.88%	1.087%
4	6.759	724	728	732	rBV	475137	432655	74.23%	6.794%
5	7.135	787	792	796	rBV	329353	338289	58.04%	5.312%
6	7.681	883	885	887	rBB	5253	3803	0.65%	0.060%
7	7.975	930	935	939	rBB	194668	194848	33.43%	3.060%
8	8.134	957	962	964	rBB2	3498	4073	0.70%	0.064%
9	8.292	985	989	992	rBB	6019	5762	0.99%	0.090%
10	8.469	1013	1019	1023	rBB2	9210	10860	1.86%	0.171%
11	8.674	1050	1054	1057	rVB	34303	35523	6.09%	0.558%
12	9.003	1106	1110	1114	rVB	452812	436419	74.88%	6.853%
13	9.127	1128	1131	1133	rBB2	3815	4475	0.77%	0.070%
14	9.262	1149	1154	1156	rBB2	3348	4319	0.74%	0.068%
15	9.397	1172	1177	1183	rBB2	3802	6177	1.06%	0.097%
16	9.649	1219	1220	1226	rBB3	1661	3140	0.54%	0.049%
17	9.796	1241	1245	1248	rBV	11468	10751	1.84%	0.169%
18	10.031	1282	1285	1291	rBV3	5386	6273	1.08%	0.099%
19	10.161	1302	1307	1312	rBB2	3320	4495	0.77%	0.071%
20	10.343	1332	1338	1341	rBB2	3077	4550	0.78%	0.071%
21	10.543	1366	1372	1376	rBV	23094	28258	4.85%	0.444%
22	10.672	1389	1394	1398	rBV	421787	419698	72.01%	6.591%
23	10.707	1398	1400	1404	rBB	29816	26563	4.56%	0.417%
24	10.883	1427	1430	1433	rBB2	7499	7733	1.33%	0.121%
25	11.207	1482	1485	1488	rBB	8221	7480	1.28%	0.117%
26	11.383	1510	1515	1520	rBV	11635	14184	2.43%	0.223%
27	11.500	1532	1535	1538	rVB	3844	3826	0.66%	0.060%
28	11.641	1554	1559	1562	rBV	460169	499273	85.66%	7.840%
29	11.677	1562	1565	1569	rBB	11891	10022	1.72%	0.157%
30	11.841	1588	1593	1600	rVB	52504	58112	9.97%	0.913%
31	12.429	1689	1693	1696	rBB	10468	10692	1.83%	0.168%
32	12.781	1750	1753	1757	rBV	27591	30324	5.20%	0.476%
33	12.828	1757	1761	1765	rVB	306921	331951	56.95%	5.213%
34	13.075	1800	1803	1805	rBB	5709	5084	0.87%	0.080%
35	13.110	1807	1809	1811	rBB	5498	4539	0.78%	0.071%

Data Path : C:\msdchem\1\DATA\111205\
Data File : S60157.D
Acq On : 5 Dec 2011 1:25 pm
Operator : G.J.Brien
Sample : 17276 LaBella 5230A
Misc : ABN Soil ASP
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 3000 Area counts
Start Thrs: 0.1 Max Peaks: 200
Stop Thrs : 0.1 Peak Location: TOP

If leading or trailing edge < 10 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\ABN112811.M
Title :

36	13.140	1811	1814	1819	rBB2	9159	9133	1.57%	0.143%
37	13.187	1819	1822	1825	rBB	5613	6850	1.18%	0.108%
38	13.380	1851	1855	1858	rBB	9760	9002	1.54%	0.141%
39	13.410	1858	1860	1862	rVV	4877	4074	0.70%	0.064%
40	13.433	1862	1864	1867	rVB2	7465	6298	1.08%	0.099%
41	13.827	1926	1931	1936	rBV2	487744	533364	91.51%	8.376%
42	13.898	1939	1943	1946	rBB2	3260	4169	0.72%	0.065%
43	13.933	1946	1949	1953	rVB	14890	15744	2.70%	0.247%
44	14.485	2038	2043	2047	rBV	7952	8356	1.43%	0.131%
45	15.120	2148	2151	2157	rBB2	7225	10024	1.72%	0.157%
46	15.507	2215	2217	2225	rBB	2358	3735	0.64%	0.059%
47	15.619	2225	2236	2240	rVV	326509	415049	71.21%	6.518%
48	15.731	2253	2255	2262	rBB2	5221	6492	1.11%	0.102%
49	16.036	2304	2307	2311	rBV	5624	5138	0.88%	0.081%
50	16.236	2335	2341	2344	rBV3	2164	4055	0.70%	0.064%
51	16.330	2352	2357	2360	rBV	6526	9472	1.63%	0.149%
52	16.377	2360	2365	2375	rBV	401467	484771	83.17%	7.613%
53	16.542	2387	2393	2397	rBB4	4134	6931	1.19%	0.109%
54	16.835	2438	2443	2447	rBV3	1890	3392	0.58%	0.053%
55	16.894	2449	2453	2458	rVB3	5768	9006	1.55%	0.141%
56	17.441	2543	2546	2551	rBB5	4528	6284	1.08%	0.099%
57	17.969	2631	2636	2645	rVB	465819	573975	98.48%	9.014%
58	18.245	2680	2683	2688	rBB6	3341	5344	0.92%	0.084%
59	18.310	2691	2694	2703	rBB7	1896	3710	0.64%	0.058%
60	18.475	2716	2722	2735	rVB6	4600	14400	2.47%	0.226%
61	18.663	2747	2754	2759	rBB7	1721	5244	0.90%	0.082%
62	18.968	2800	2806	2810	rBB7	3494	5930	1.02%	0.093%
63	19.403	2876	2880	2885	rVB5	3348	6740	1.16%	0.106%
64	19.509	2894	2898	2902	rBB5	2440	4753	0.82%	0.075%
65	19.632	2916	2919	2922	rVB4	3450	3591	0.62%	0.056%
66	19.773	2939	2943	2947	rBB5	4940	7138	1.22%	0.112%
67	19.861	2955	2958	2964	rVB5	3918	5146	0.88%	0.081%
68	19.926	2964	2969	2987	rBV	542856	582858	100.00%	9.153%
69	20.073	2991	2994	2998	rVB4	3593	4736	0.81%	0.074%
70	20.120	2998	3002	3007	rBB7	3976	6878	1.18%	0.108%
71	20.167	3007	3010	3012	rVB4	4115	3933	0.67%	0.062%
72	20.302	3032	3033	3040	rBV6	5053	4571	0.78%	0.072%
73	20.384	3040	3047	3052	rBB10	2264	7031	1.21%	0.110%

Data Path : C:\msdchem\1\DATA\111205\
Data File : S60157.D
Acq On : 5 Dec 2011 1:25 pm
Operator : G.J.Brien
Sample : 17276 LaBella 5230A
Misc : ABN Soil ASP
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 3000 Area counts
Start Thrs: 0.1 Max Peaks: 200
Stop Thrs : 0.1 Peak Location: TOP

If leading or trailing edge < 10 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\ABN112811.M
Title :

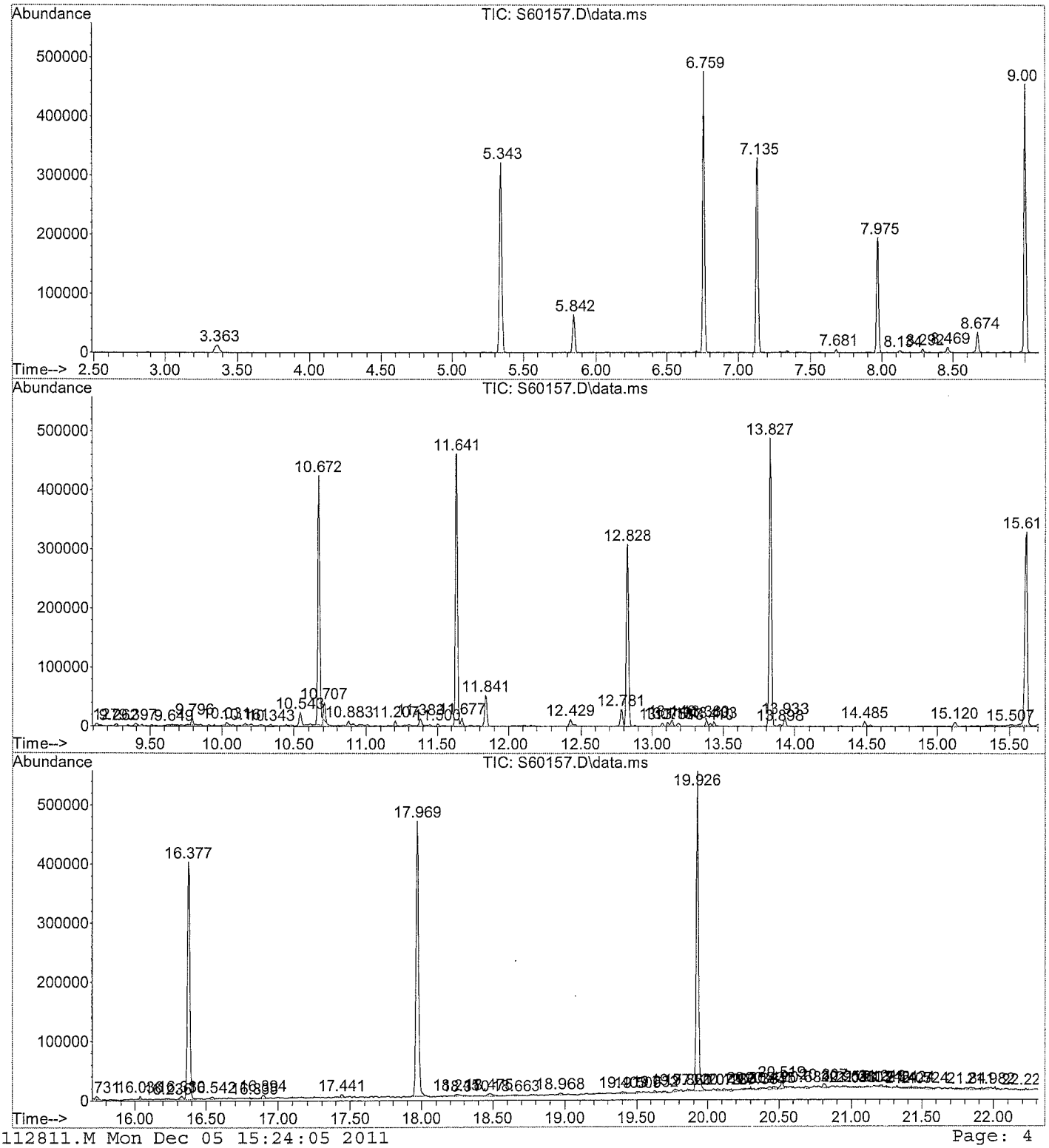
74	20.431	3052	3055	3058	rVV5	4548	6889	1.18%	0.108%
75	20.455	3058	3059	3065	rBB5	3670	7211	1.24%	0.113%
76	20.519	3065	3070	3078	rBB7	12895	19688	3.38%	0.309%
77	20.684	3096	3098	3102	rBB4	3823	4380	0.75%	0.069%
78	20.807	3116	3119	3126	rBV7	7009	10498	1.80%	0.165%
79	20.954	3140	3144	3152	rBB8	2911	4813	0.83%	0.076%
80	21.013	3152	3154	3160	rBB7	2581	4460	0.77%	0.070%
81	21.060	3160	3162	3166	rBB5	3195	4069	0.70%	0.064%
82	21.113	3166	3171	3178	rBB8	2218	3167	0.54%	0.050%
83	21.218	3185	3189	3190	rBB4	3590	4104	0.70%	0.064%
84	21.248	3190	3194	3201	rBB7	3331	3750	0.64%	0.059%
85	21.407	3212	3221	3223	rVB10	2449	4652	0.80%	0.073%
86	21.424	3223	3224	3240	rBB10	4195	10637	1.82%	0.167%
87	21.524	3240	3241	3252	rBB8	3821	8534	1.46%	0.134%
88	21.841	3276	3295	3301	rVB8	3971	19742	3.39%	0.310%
89	21.982	3310	3319	3322	rBB10	2509	7279	1.25%	0.114%
90	22.223	3353	3360	3370	rBB10	3130	7188	1.23%	0.113%

Sum of corrected areas: 6367920

Data Path : C:\msdchem\1\DATA\111205\
Data File : S60157.D
Acq On : 5 Dec 2011 1:25 pm
Operator : G.J.Brien
Sample : 17276 LaBella 5230A
Misc : ABN Soil ASP
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ABN112811.M
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: Rteint.p



Data Path : C:\msdchem\1\DATA\111205\
Data File : S60157.D
Acq On : 5 Dec 2011 1:25 pm
Operator : G.J.Brien
Sample : 17276 LaBella 5230A
Misc : ABN Soil ASP
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ABN112811.M
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: Rteint.p

****
Peak Number 1 Ethane, 1,1,2,2-tetrachloro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.842	8.19 ug/ml	69226	1,4-Dichlorobenzene-d4	7.135

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, 1,1,2,2-tetrachloro-	166	C2H2Cl4	000079-34-5	92
2	Ethane, 1,1,2,2-tetrachloro-	166	C2H2Cl4	000079-34-5	87
3	Ethane, 1,1,2,2-tetrachloro-	166	C2H2Cl4	000079-34-5	83
4	Ethane, 1,1,2,2-tetrachloro-	166	C2H2Cl4	000079-34-5	55
5	Ethane, 1,1-dichloro-2,2-difluoro-	134	C2H2Cl2F2	000471-43-2	53

VOA TIC

****
Peak Number 2 9-Borabicyclo[3.3.1]nonane,... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.841	4.66 ug/ml	58112	Acenaphthene-d10	11.641

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Borabicyclo[3.3.1]nonane, 9-(1...	192	C13H25B	121194-78-3	10
2	Benzene, 1-bromo-2-chloro-	190	C6H4BrCl	000694-80-4	9
3	Benzene, 1-bromo-4-chloro-	190	C6H4BrCl	000106-39-8	9
4	4-Chlorophenylselenol	192	C6H5ClSe	016645-10-6	9
5	Benzene, 1-bromo-3-chloro-	190	C6H4BrCl	000108-37-2	9

unknown

****
Peak Number 3 Cyclic octaatomic sulfur Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.619	31.13 ug/ml	415049	Phenanthrene-d10	13.827

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclic octaatomic sulfur	256	S8	010544-50-0	92
2	Cyclic octaatomic sulfur	256	S8	010544-50-0	91
3	Cyclic octaatomic sulfur	256	S8	010544-50-0	58
4	Sulfur dioxide	64	O2S	007446-09-5	4
5	Sulfur dioxide	64	O2S	007446-09-5	4

unknown sulfur

PARADIGM
ENVIRONMENTAL SERVICES, INC
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc.

Client Job Site:	690 St Paul St.	**Lab Project Number:**	11-5230A
		Lab Sample Number:	17277
Client Job Number:	209280		
Field Location:	AOC1-CS-9	**Date Sampled:**	12/02/2011
Field ID Number:	N/A	**Date Received:**	12/02/2011
Sample Type:	Soil	**Date Analyzed:**	12/05/2011

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	< 309	Dibenz (a,h) anthracene	< 309
Anthracene	< 309	Fluoranthene	< 309
Benzo (a) anthracene	< 309	Fluorene	< 309
Benzo (a) pyrene	< 309	Indeno (1,2,3-cd) pyrene	< 309
Benzo (b) fluoranthene	< 309	Naphthalene	< 309
Benzo (g,h,i) perylene	< 309	Phenanthrene	< 309
Benzo (k) fluoranthene	< 309	Pyrene	< 309
Chrysene	< 309	Acenaphthylene	< 309
Diethyl phthalate	< 309	1,2-Dichlorobenzene	< 309
Dimethyl phthalate	< 772	1,3-Dichlorobenzene	< 309
Butylbenzylphthalate	< 309	1,4-Dichlorobenzene	< 309
Di-n-butyl phthalate	< 309	1,2,4-Trichlorobenzene	< 309
Di-n-octylphthalate	< 309	Nitrobenzene	< 309
Bis (2-ethylhexyl) phthalate	< 309	2,4-Dinitrotoluene	< 309
2-Chloronaphthalene	< 309	2,6-Dinitrotoluene	< 309
Hexachlorobenzene	< 309	Bis (2-chloroethyl) ether	< 309
Hexachloroethane	< 309	Bis (2-chloroisopropyl) ether	< 309
Hexachlorocyclopentadiene	< 309	Bis (2-chloroethoxy) methane	< 309
Hexachlorobutadiene	< 309	4-Bromophenyl phenyl ether	< 309
N-Nitroso-di-n-propylamine	< 309	4-Chlorophenyl phenyl ether	< 309
N-Nitrosodiphenylamine	< 309	Benzidine	< 772
N-Nitrosodimethylamine	< 309	3,3'-Dichlorobenzidine	< 309
Isophorone	< 309	4-Chloroaniline	< 309
Benzyl alcohol	< 772	2-Nitroaniline	< 772
Dibenzofuran	< 309	3-Nitroaniline	< 772
2-Methylnapthalene	< 309	4-Nitroaniline	< 772

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	< 309	2-Methylphenol	< 309
2-Chlorophenol	< 309	3&4-Methylphenol	< 309
2,4-Dichlorophenol	< 309	2,4-Dimethylphenol	< 309
2,6-Dichlorophenol	< 309	2-Nitrophenol	< 309
2,4,5-Trichlorophenol	< 772	4-Nitrophenol	< 772
2,4,6-Trichlorophenol	< 309	2,4-Dinitrophenol	< 772
Pentachlorophenol	< 772	4,6-Dinitro-2-methylphenol	< 772
4-Chloro-3-methylphenol	< 309	Benzoic acid	< 772

ELAP Number 10958 Analytical Method: EPA 8270C Data File: S60158.D

Prep Method: EPA 3550C

Comments: ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

PARADIGM
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc.

Client Job Site:	690 St Paul St.	**Lab Project Number:**	11-5230A
		Lab Sample Number:	17277
Client Job Number:	209280		
Field Location:	AOC1-CS-9	**Date Sampled:**	12/02/2011
Field ID Number:	N/A	**Date Received:**	12/02/2011
Sample Type:	Soil	**Date Analyzed:**	12/05/2011

Tentatively Identified Compounds	CAS Number	Retention Time	Results in ug / Kg	Percent Fit
Unknown	N/A	3.37	130	N/A

ELAP Number 10958

Analytical Method: EPA 8270C
Prep Method: EPA 3550C

Data File: S60158.D

Comments: ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

Quantitation Report (Not Reviewed)

Data File : C:\msdchem\1\DATA\111205\S60158.D Vial: 7
Acq On : 5 Dec 2011 1:57 pm Operator: G.J.Brien
Sample : 17277 LaBella 5230A Inst : 73SVOAV2
Misc : ABN Soil ASP

35.0 1 ml

Quant Time: Dec 05 15:18:48 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Thu Dec 01 10:59:00 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.135	152	55247	40.00	ug/ml	0.00
17) Napthalene-d8	9.003	136	194446	40.00	ug/ml	0.00
35) Acenaphthene-d10	11.635	164	117107	40.00	ug/ml	-0.01
56) Phenanthrene-d10	13.827	188	195162	40.00	ug/ml	-0.01
66) Chrysene-d12	17.969	240	199971	40.00	ug/ml	-0.02
75) Perylene-d12	19.932	264	194502	40.00	ug/ml	0.00
System Monitoring Compounds						
9) 2-Fluorophenol	5.343	112	110067	72.50	ug/ml	0.00
Spiked Amount 100.000	Range 51 - 86		Recovery = 72.50%			
16) Phenol-d5	6.759	99	152961	81.93	ug/ml	0.00
Spiked Amount 100.000	Range 55 - 90		Recovery = 81.93%			
31) Nitrobenzene-d5	7.975	82	69100	40.15	ug/ml	0.00
Spiked Amount 50.000	Range 62 - 94		Recovery = 80.30%			
47) 2-Fluorobiphenyl	10.672	172	149066	37.65	ug/ml	0.00
Spiked Amount 50.000	Range 62 - 99		Recovery = 75.30%			
53) 2,4,6-Tribromophenol	12.828	330	41383	74.90	ug/ml	0.00
Spiked Amount 100.000	Range 56 - 109		Recovery = 74.90%			
74) Terphenyl-d14	16.377	244	166512	41.68	ug/ml	-0.01
Spiked Amount 50.000	Range 65 - 109		Recovery = 83.36%			

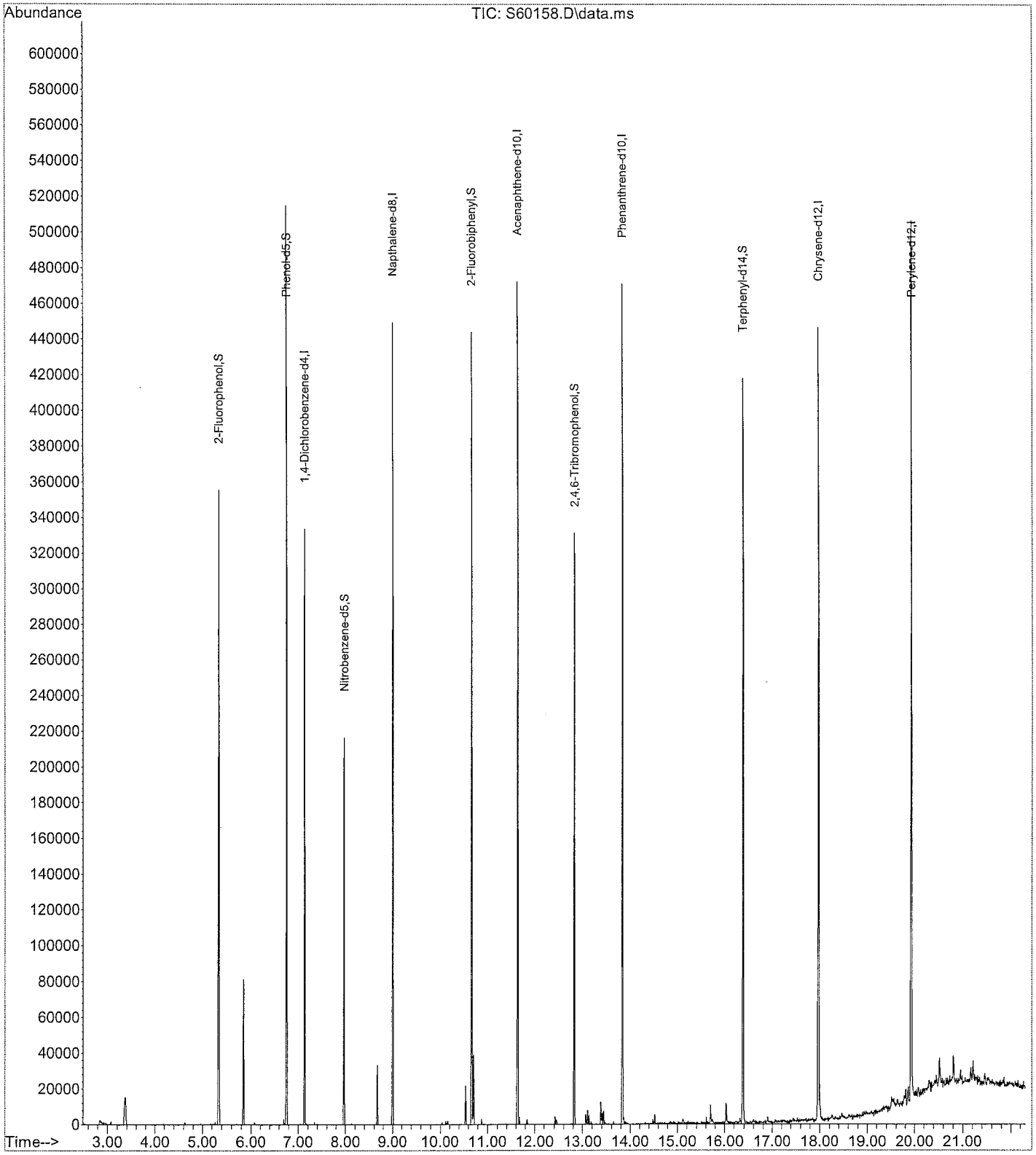
Target Compounds	Qvalue

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

Quantitation Report (Not Reviewed)

Data File : C:\msdchem\1\DATA\111205\S60158.D Vial: 7
Acq On : 5 Dec 2011 1:57 pm Operator: G.J.Brien
Sample : 17277 LaBella 5230A Inst : 73SVOAV2
Misc : ABN Soil ASP

Quant Time: Dec 05 15:18:48 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Thu Dec 01 10:59:00 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M



Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\111205\
Data File : S60158.D
Acq On : 5 Dec 2011 1:57 pm
Operator : G.J.Brien
Sample : 17277 LaBella 5230A
Misc : ABN Soil ASP
ALS Vial : 7 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ABN112811.M
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: Rteint.p

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc	
1-Fluorononane	3.368	4.2	ug/ml	34734	1	7.135	334585	40.0	unknown
~~Ethane, 1,1,2,2...~~	~~5.842~~	~~10.7~~	~~ug/ml~~	~~89776~~	~~1~~	~~7.135~~	~~334585~~	~~40.0~~	VOA Tic

LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\111205\
Data File : S60158.D
Acq On : 5 Dec 2011 1:57 pm
Operator : G.J.Brien
Sample : 17277 LaBella 5230A
Misc : ABN Soil ASP
ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 3000 Area counts
Start Thrs: 0.1 Max Peaks: 200
Stop Thrs : 0.1 Peak Location: TOP

If leading or trailing edge < 10 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\ABN112811.M
Title :

Signal : TIC: S60158.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.845	59	62	66	rBB2	1968	3206	0.54%	0.055%
2	3.368	144	151	157	rBB4	15258	34734	5.86%	0.595%
3	5.343	482	487	492	rBB	355531	404278	68.19%	6.920%
4	5.842	568	572	577	rBB	81284	89776	15.14%	1.537%
5	6.759	724	728	732	rBB	514967	473741	79.90%	8.109%
6	7.135	787	792	796	rBB	333787	334585	56.43%	5.727%
7	7.975	931	935	939	rBB	216520	209271	35.30%	3.582%
8	8.674	1050	1054	1057	rBB	33138	33938	5.72%	0.581%
9	9.003	1106	1110	1114	rBB	449468	422099	71.19%	7.225%
10	10.542	1369	1372	1376	rBB	21579	22415	3.78%	0.384%
11	10.672	1389	1394	1397	rBV	444020	435400	73.44%	7.452%
12	10.707	1397	1400	1404	rVB	39023	41461	6.99%	0.710%
13	11.635	1554	1558	1563	rBV	472372	495249	83.53%	8.477%
14	11.676	1563	1565	1567	rVB	4196	3276	0.55%	0.056%
15	12.423	1690	1692	1695	rBB	4053	3574	0.60%	0.061%
16	12.822	1756	1760	1765	rBB	331520	359874	60.70%	6.160%
17	13.069	1800	1802	1806	rBB	5472	5088	0.86%	0.087%
18	13.110	1806	1809	1812	rBB	7721	6678	1.13%	0.114%
19	13.139	1812	1814	1817	rBB	5132	3998	0.67%	0.068%
20	13.380	1852	1855	1858	rBB2	11329	10410	1.76%	0.178%
21	13.439	1862	1865	1868	rVB	6938	6600	1.11%	0.113%
22	13.827	1927	1931	1936	rBV2	470568	514425	86.77%	8.805%
23	14.485	2039	2043	2048	rBB	2579	3173	0.54%	0.054%
24	14.526	2048	2050	2054	rBB2	5410	5199	0.88%	0.089%
25	15.120	2147	2151	2155	rBB3	2525	3640	0.61%	0.062%
26	15.613	2231	2235	2238	rBB	3664	3958	0.67%	0.068%
27	15.701	2246	2250	2253	rBB	9764	10713	1.81%	0.183%
28	16.036	2303	2307	2310	rBB	10422	12335	2.08%	0.211%
29	16.377	2360	2365	2374	rVB	417703	500029	84.34%	8.559%
30	17.446	2542	2547	2552	rBB	2072	3189	0.54%	0.055%
31	17.969	2627	2636	2648	rBV	444785	569349	96.03%	9.745%
32	18.251	2681	2684	2690	rBB5	2058	3349	0.56%	0.057%
33	18.469	2717	2721	2724	rBV4	2436	3034	0.51%	0.052%
34	19.150	2835	2837	2840	rBB3	2763	3665	0.62%	0.063%
35	19.444	2885	2887	2891	rBB3	2935	3211	0.54%	0.055%

Data Path : C:\msdchem\1\DATA\111205\
Data File : S60158.D
Acq On : 5 Dec 2011 1:57 pm
Operator : G.J.Brien
Sample : 17277 LaBella 5230A
Misc : ABN Soil ASP
ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 3000 Area counts
Start Thrs: 0.1 Max Peaks: 200
Stop Thrs : 0.1 Peak Location: TOP

If leading or trailing edge < 10 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\ABN112811.M
Title :

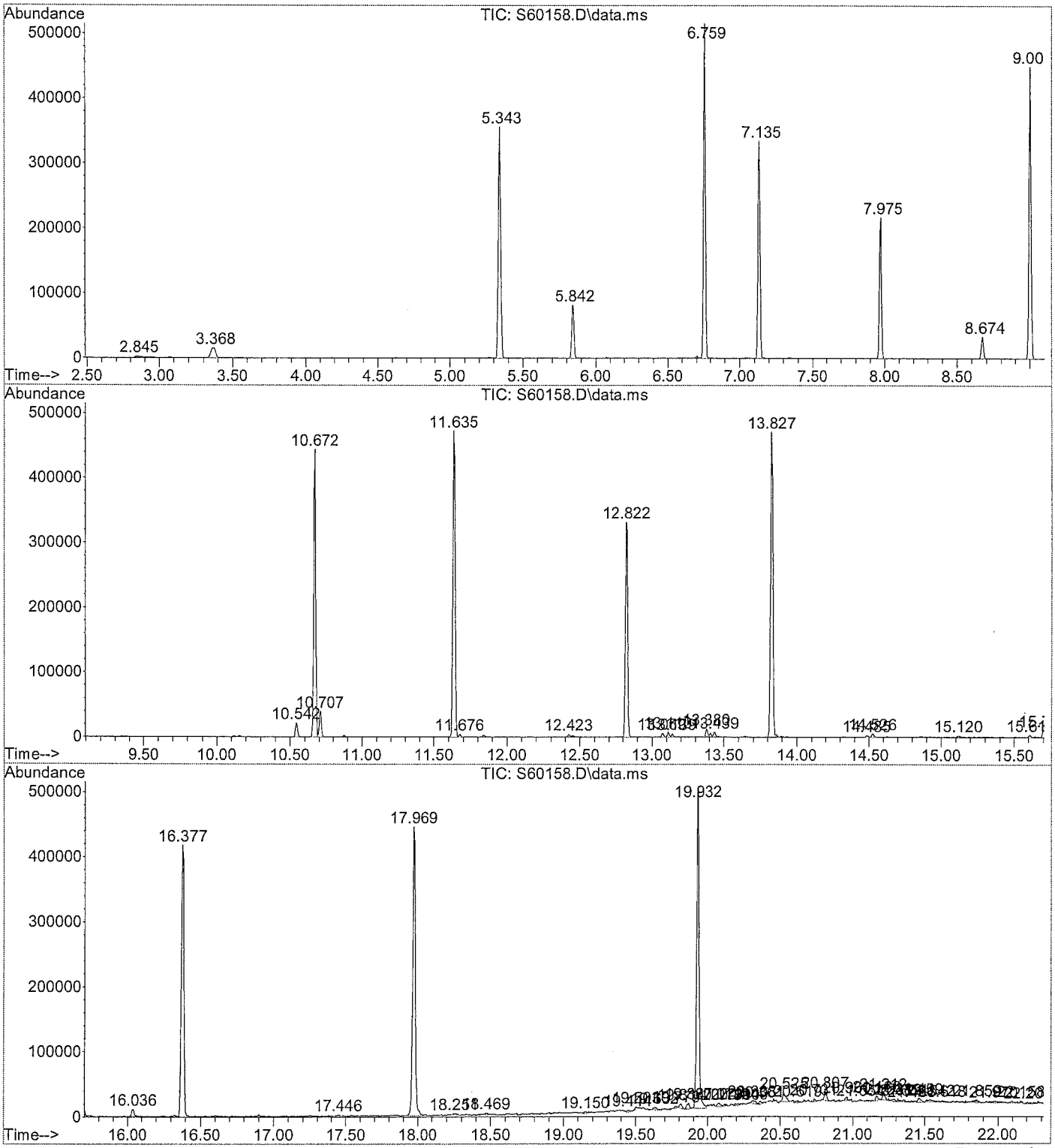
36	19.503	2895	2897	2899	rBB3	3963	4305	0.73%	0.074%
37	19.632	2915	2919	2926	rBB6	3463	6776	1.14%	0.116%
38	19.779	2939	2944	2947	rBB5	2858	4317	0.73%	0.074%
39	19.814	2947	2950	2953	rBB3	6896	7713	1.30%	0.132%
40	19.867	2953	2959	2965	rBB5	9166	13312	2.25%	0.228%
41	19.932	2965	2970	2980	rBV	493885	592892	100.00%	10.148%
42	20.079	2992	2995	3000	rVB5	5100	8481	1.43%	0.145%
43	20.131	3000	3004	3008	rBB7	3194	3386	0.57%	0.058%
44	20.190	3013	3014	3019	rBB4	3353	4331	0.73%	0.074%
45	20.249	3019	3024	3029	rBB9	1545	3281	0.55%	0.056%
46	20.308	3032	3034	3039	rBB6	4585	8455	1.43%	0.145%
47	20.361	3041	3043	3052	rBB6	4536	6112	1.03%	0.105%
48	20.525	3068	3071	3080	rVB6	13599	19028	3.21%	0.326%
49	20.619	3083	3087	3092	rBB8	3375	4334	0.73%	0.074%
50	20.731	3104	3106	3116	rBB9	4450	4478	0.76%	0.077%
51	20.807	3116	3119	3125	rBB5	13207	16285	2.75%	0.279%
52	20.960	3141	3145	3148	rBB4	5729	5735	0.97%	0.098%
53	21.054	3159	3161	3173	rBB4	2048	3755	0.63%	0.064%
54	21.166	3177	3180	3186	rBB6	6847	8053	1.36%	0.138%
55	21.213	3186	3188	3193	rBB5	9868	11032	1.86%	0.189%
56	21.248	3193	3194	3204	rBB9	3369	6851	1.16%	0.117%
57	21.312	3204	3205	3210	rBB5	4972	4174	0.70%	0.071%
58	21.354	3210	3212	3215	rBB2	3407	3091	0.52%	0.053%
59	21.406	3220	3221	3227	rBB6	2391	3243	0.55%	0.056%
60	21.459	3227	3230	3237	rVB7	6209	9627	1.62%	0.165%
61	21.542	3237	3244	3256	rBB7	3792	12593	2.12%	0.216%
62	21.618	3256	3257	3265	rBB8	2355	3420	0.58%	0.059%
63	21.859	3292	3298	3299	rBB6	4700	5298	0.89%	0.091%
64	21.970	3311	3317	3341	rBV6	2582	12846	2.17%	0.220%
65	22.158	3347	3349	3353	rBB4	3749	3146	0.53%	0.054%
66	22.205	3355	3357	3363	rBB5	2329	3171	0.53%	0.054%

Sum of corrected areas: 5842441

Data Path : C:\msdchem\1\DATA\111205\
Data File : S60158.D
Acq On : 5 Dec 2011 1:57 pm
Operator : G.J.Brien
Sample : 17277 LaBella 5230A
Misc : ABN Soil ASP
ALS Vial : 7 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ABN112811.M
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: Rteint.p



Data Path : C:\msdchem\1\DATA\111205\
Data File : S60158.D
Acq On : 5 Dec 2011 1:57 pm
Operator : G.J.Brien
Sample : 17277 LaBella 5230A
Misc : ABN Soil ASP
ALS Vial : 7 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ABN112811.M
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: Rteint.p

****

Peak Number 1 1-Fluorononane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.368	4.15 ug/ml	34734	1,4-Dichlorobenzene-d4	7.135

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Fluorononane	146	C9H19F	000463-18-3	9
2	1-Propyne, 3-(ethenylthio)-	98	C5H6S	021916-66-5	5
3	2-Pentene, 2,3-dimethyl-	98	C7H14	010574-37-5	5
4	5-Amino-3-methylpyrazole	97	C4H7N3	031230-17-8	5
5	2-Pentene, 4,4-dimethyl-, (Z)-	98	C7H14	000762-63-0	4

unknown

****

Peak Number 2 Ethane, 1,1,2,2-tetrachloro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.842	10.73 ug/ml	89776	1,4-Dichlorobenzene-d4	7.135

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, 1,1,2,2-tetrachloro-	166	C2H2Cl4	000079-34-5	97
2	Ethane, 1,1,2,2-tetrachloro-	166	C2H2Cl4	000079-34-5	95
3	Ethane, 1,1,2,2-tetrachloro-	166	C2H2Cl4	000079-34-5	93
4	Ethane, 1,1,2,2-tetrachloro-	166	C2H2Cl4	000079-34-5	90
5	Ethane, 1,1,2,2-tetrachloro-	166	C2H2Cl4	000079-34-5	87

VOA TIC

SEMIVOLATILE ORGANICS

STANDARDS DATA

Response Factor Report 73SVOAV2

Method Path : C:\msdchem\1\METHODS\
Method File : ABN112811.M
Title :
Last Update : Mon Nov 28 12:31:11 2011
Response Via : Initial Calibration

Calibration Files
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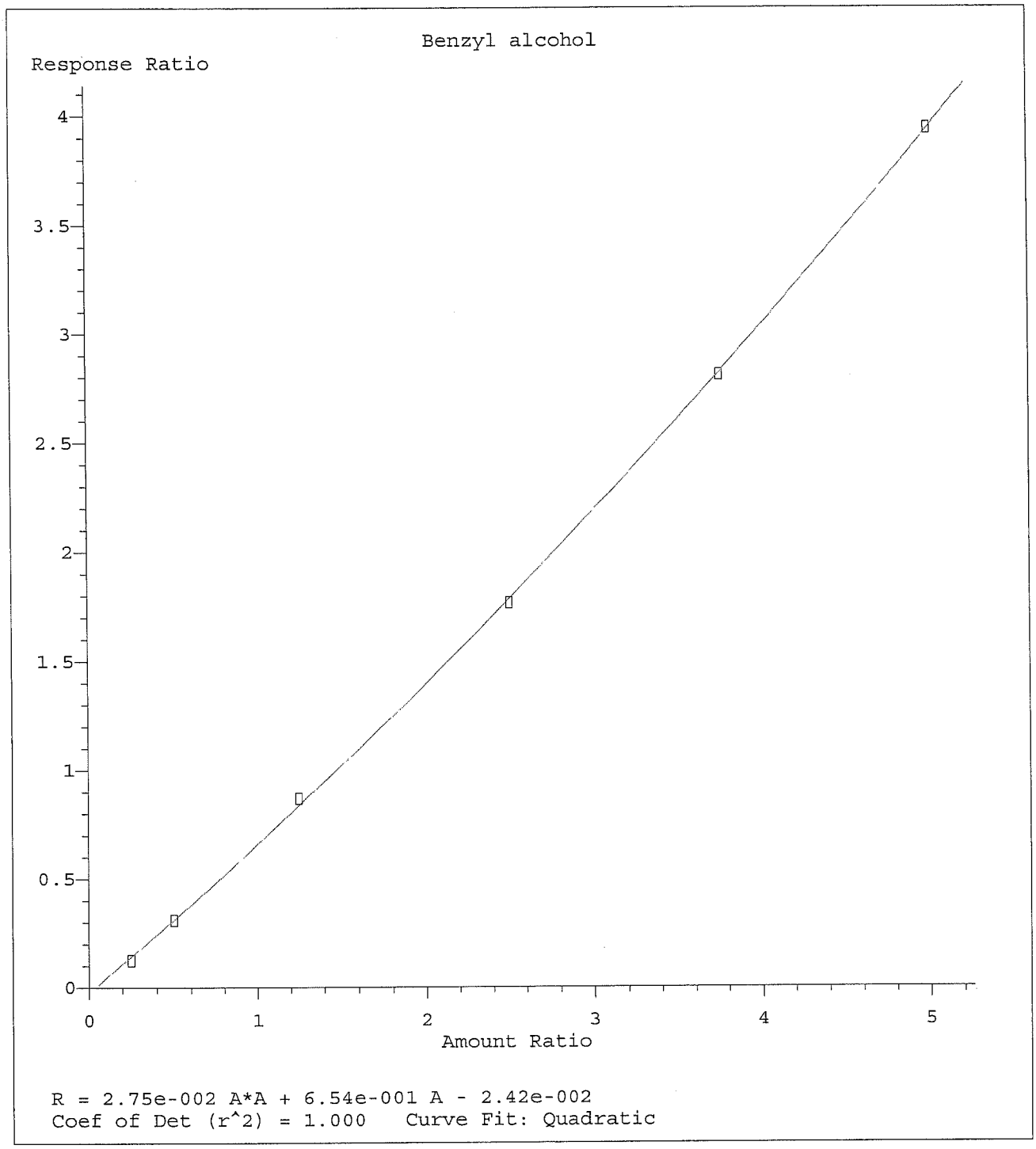
		Compound	1	2	3	4	5	6	Avg	%RSD	
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------						
2)	T	Benzyl alcohol	0.500	0.620	0.696	0.707	0.749	0.788	0.677	15.26	Quadratic*
3)	T	Bis (2-chloroe...	0.935	0.937	0.971	0.975	1.095	1.127	1.007	8.25	
4)	T	Bis (2-chloroi...	1.291	1.372	1.386	1.382	1.449	1.537	1.403	5.91	
5)	TM	2-Chlorophenol	1.016	1.115	1.176	1.162	1.200	1.247	1.153	6.92	
6)	T	1,3-Dichlorobe...	1.366	1.397	1.405	1.406	1.435	1.494	1.417	3.08	
7)	TMC	1,4-Dichlorobe...	1.332	1.382	1.412	1.406	1.448	1.502	1.414	4.11	
8)	T	1,2-Dichlorobe...	1.293	1.323	1.338	1.331	1.364	1.429	1.347	3.45	
9)	S	2-Fluorophenol	0.977	1.057	1.097	1.103	1.155	1.206	1.099	7.20	
10)	T	Hexachloroethane	0.473	0.513	0.515	0.534	0.547	0.579	0.527	6.82	
11)	T	2-Methylphenol	0.867	0.940	1.005	1.013	1.064	1.140	1.005	9.44	
12)	T	3&4-Methylphenol	0.938	1.023	1.062	1.105	1.148	1.217	1.082	9.02	
13)	T	N-Nitrosodimet...	0.508	0.566	0.606	0.617	0.644	0.671	0.602	9.67	
14)	TMP	N-Nitroso-di-n...	0.629	0.718	0.731	0.745	0.787	0.840	0.742	9.54	
15)	TMC	Phenol	1.226	1.315	1.332	1.419	1.474	1.552	1.386	8.54	
16)	S	Phenol-d5	1.220	1.311	1.328	1.364	1.409	1.479	1.352	6.54	
17)	I	Napthalene-d8	----------	ISTD	----------						
18)		Aniline	0.440	0.465	0.467	0.440	0.418	0.398	0.438	6.03	
19)	T	Benzoic acid	0.055	0.111	0.172	0.202	0.229	0.249	0.170	43.59	Quadratic*
20)	T	Bis (2-chloroe...	0.338	0.348	0.364	0.371	0.377	0.396	0.366	5.67	
21)	T	4-Chloroaniline	0.384	0.416	0.431	0.429	0.432	0.441	0.422	4.81	
22)	TMC	4-Chloro-3-met...	0.223	0.253	0.282	0.292	0.297	0.311	0.276	11.81	
23)	TMC	2,4-Dichloroph...	0.274	0.298	0.316	0.319	0.325	0.339	0.312	7.31	
24)	TM	2,6-Dichloroph...	0.281	0.297	0.307	0.322	0.332	0.343	0.314	7.38	
25)	TM	2,4-Dimethylph...	0.270	0.301	0.329	0.332	0.331	0.350	0.319	8.95	
26)	TC	Hexachlorobuta...	0.213	0.217	0.224	0.227	0.228	0.237	0.224	3.85	
27)	T	Isophorone	0.493	0.540	0.577	0.595	0.591	0.617	0.569	7.90	
28)	T	2-Methylnaptha...	0.681	0.700	0.719	0.721	0.730	0.756	0.718	3.56	
29)	T	Naphthalene	1.013	1.009	1.026	1.032	1.032	1.069	1.030	2.06	
30)	T	Nitrobenzene	0.333	0.340	0.356	0.362	0.365	0.377	0.355	4.65	
31)	S	Nitrobenzene-d5	0.305	0.334	0.360	0.367	0.371	0.388	0.354	8.39	
32)	TMC	2-Nitrophenol	0.145	0.163	0.191	0.199	0.206	0.216	0.187	14.56	
33)		Azobenzene	0.652	0.688	0.716	0.727	0.739	0.844	0.728	8.93	
34)	TM	1,2,4-Trichlor...	0.368	0.370	0.373	0.381	0.381	0.400	0.379	3.09	
35)	I	Acenaphthene-d10	----------	ISTD	----------						
36)		2-Chloronaphth...	1.031	1.066	1.077	1.084	1.059	1.096	1.069	2.13	
37)	TMC	Acenaphthene	1.037	1.092	1.115	1.118	1.134	1.149	1.107	3.56	
38)	T	Acenaphthylene	1.550	1.668	1.714	1.711	1.708	1.745	1.683	4.13	
39)	T	4-Chlorophenyl...	0.614	0.637	0.625	0.636	0.639	0.656	0.635	2.21	
40)	T	Dibenzofuran	1.535	1.560	1.547	1.566	1.578	1.622	1.568	1.92	
41)	T	Diethyl phthalate	1.043	1.156	1.195	1.235	1.251	1.278	1.193	7.11	
42)	T	Dimethyl phtha...	1.167	1.224	1.246	1.251	1.250	1.284	1.237	3.18	
43)	TMP	2,4-Dinitrophenol	0.055	0.104	0.153	0.182	0.195	0.207	0.150	39.53	Quadratic*
44)	TM	2,4-Dinitrotol...	0.305	0.347	0.362	0.382	0.383	0.390	0.361	8.80	
45)	T	2,6-Dinitrotol...	0.246	0.271	0.279	0.287	0.289	0.300	0.279	6.68	
46)	T	Fluorene	1.220	1.279	1.309	1.342	1.350	1.373	1.312	4.26	
47)	S	2-Fluorobiphenyl	1.302	1.366	1.362	1.354	1.356	1.374	1.352	1.91	
48)	TP	Hexachlorocycl...	0.287	0.343	0.384	0.397	0.402	0.402	0.369	12.48	
49)	T	2-Nitroaniline	0.255	0.304	0.333	0.350	0.353	0.369	0.327	12.75	
50)	T	3-Nitroaniline	0.239	0.268	0.290	0.303	0.305	0.312	0.286	9.78	
51)	T	4-Nitroaniline	0.212	0.262	0.276	0.287	0.294	0.297	0.271	11.66	
52)	TMP	4-Nitrophenol	0.146	0.185	0.209	0.227	0.233	0.244	0.207	17.50	Linear*
53)	S	2,4,6-Tribromo...	0.153	0.177	0.188	0.194	0.206	0.214	0.189	11.56	

Response Factor Report 73SVOAV2

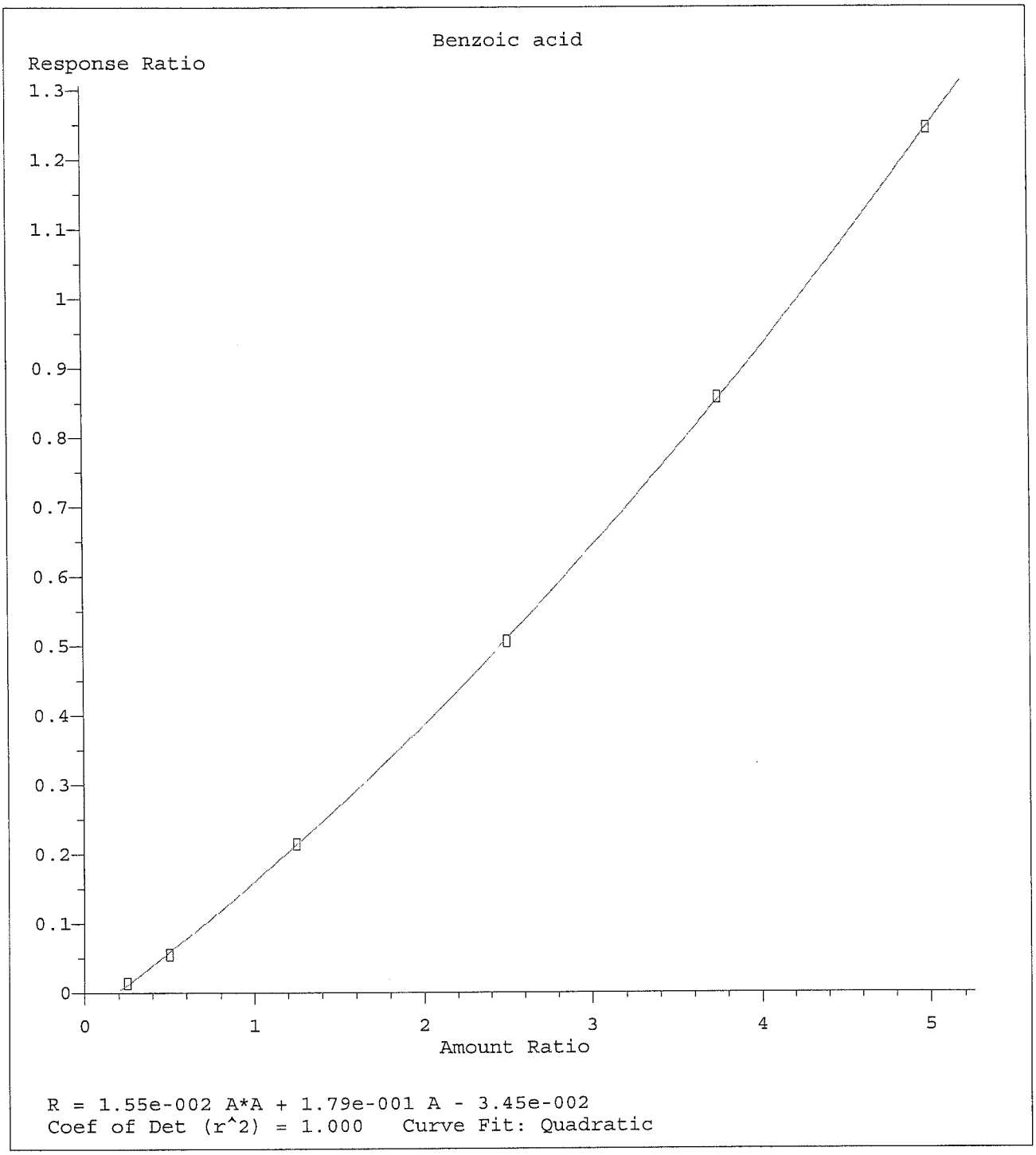
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Method File : ABN112811.M

54)	TMC	2,4,6-Trichlor...	0.289	0.333	0.340	0.347	0.358	0.370	0.340	8.24	
55)	T	2,4,5-Trichlor...	0.332	0.369	0.378	0.394	0.403	0.413	0.381	7.62	
56)	I	Phenanthrene-d10	----------ISTD----------								
57)	T	4-Bromophenyl ...	0.225	0.232	0.238	0.243	0.252	0.257	0.241	4.93	
58)	T	Di-n-butyl pht...	0.758	0.938	1.091	1.179	1.196	1.220	1.064	17.11	LINEAR *
59)	TM	4,6-Dinitro-2-...	0.064	0.099	0.123	0.145	0.150	0.158	0.123	29.19	Quadratic *
60)	TC	Fluoranthene	1.027	1.126	1.175	1.229	1.223	1.237	1.170	6.96	
61)	T	Hexachlorobenzene	0.233	0.250	0.258	0.270	0.272	0.282	0.261	6.71	
62)	TC	N-Nitrosodiphe...	0.577	0.612	0.622	0.651	0.647	0.665	0.629	5.12	
63)	TMC	Pentachlorophenol	0.094	0.124	0.137	0.158	0.168	0.181	0.144	22.30	Quadratic *
64)	T	Anthracene	0.987	1.050	1.078	1.116	1.103	1.130	1.077	4.90	
65)	T	Phenanthrene	1.025	1.047	1.070	1.080	1.085	1.109	1.069	2.79	
66)	I	Chrysene-d12	----------ISTD----------								
67)	T	Benzidine	0.303	0.432	0.423	0.540	0.301	0.252	0.375	28.84	- Quadratic *
68)	T	Benzo (a) anth...	0.827	0.960	1.024	1.061	1.041	1.056	0.995	9.03	
69)	T	Bis (2-ethylhe...	0.322	0.445	0.566	0.613	0.626	0.642	0.536	23.60	- LINEAR *
70)	T	Butylbenzylpht...	0.264	0.350	0.418	0.450	0.453	0.464	0.400	19.65	- LINEAR
71)	T	Chrysene	0.983	1.007	1.020	1.012	0.987	1.005	1.002	1.44	
72)	T	3,3'-Dichlorob...	0.288	0.346	0.381	0.388	0.373	0.368	0.357	10.34	
73)	TM	Pyrene	1.036	1.139	1.148	1.126	1.094	1.100	1.107	3.71	
74)	S	Terphenyl-d14	0.727	0.793	0.815	0.828	0.807	0.826	0.799	4.72	
75)	I	Perylene-d12	----------ISTD----------								
76)	T	Benzo (b) fluo...	0.955	1.084	1.221	1.248	1.412	1.346	1.211	13.91	
77)	T	Benzo (k) fluo...	1.164	1.281	1.282	1.350	1.200	1.354	1.272	6.08	
78)	T	Benzo (g,h,i) ...	0.858	0.968	1.037	1.105	1.133	1.190	1.048	11.52	
79)	TC	Benzo (a) pyrene	0.836	0.985	1.110	1.200	1.213	1.252	1.099	14.60	
80)	T	Dibenz (a,h) a...	0.847	0.952	1.037	1.109	1.160	1.225	1.055	13.20	
81)	TC	Di-n-octylphth...	0.467	0.680	1.008	1.169	1.212	1.272	0.968	33.57#	- LINEAR *
82)	T	Indeno (1,2,3-...	0.316	0.364	0.394	0.442	0.465	0.497	0.413	16.28	- Quadratic
83)	T	Pyridine	0.236	0.273	0.290	0.306	0.294	0.304	0.284	9.27	
84)	T	Biphenyl	0.803	0.834	0.835	0.861	0.866	0.892	0.849	3.65	
85)	T	Acetophenone	0.380	0.411	0.427	0.439	0.440	0.456	0.425	6.37	
86)	T	Atrazine	0.176	0.168					0.172	3.60	
87)	T	Caprolactam	0.080	0.104	0.117	0.127	0.129	0.133	0.115	17.38	- Quadratic *
88)	T	Carbazole	1.973	2.076	2.113	2.105	2.099	2.144	2.085	2.83	
89)	T	Benzaldehyde	0.194	0.227	0.201	0.160	0.118	0.095	0.166	30.81	- Quadratic *
90)	T	1,2,4,5-Tetrac...	0.351	0.363	0.368	0.373	0.379	0.385	0.370	3.25	
91)	T	2,3,4,6-Tetrac...	0.177	0.196	0.193	0.203	0.212	0.217	0.200	7.21	

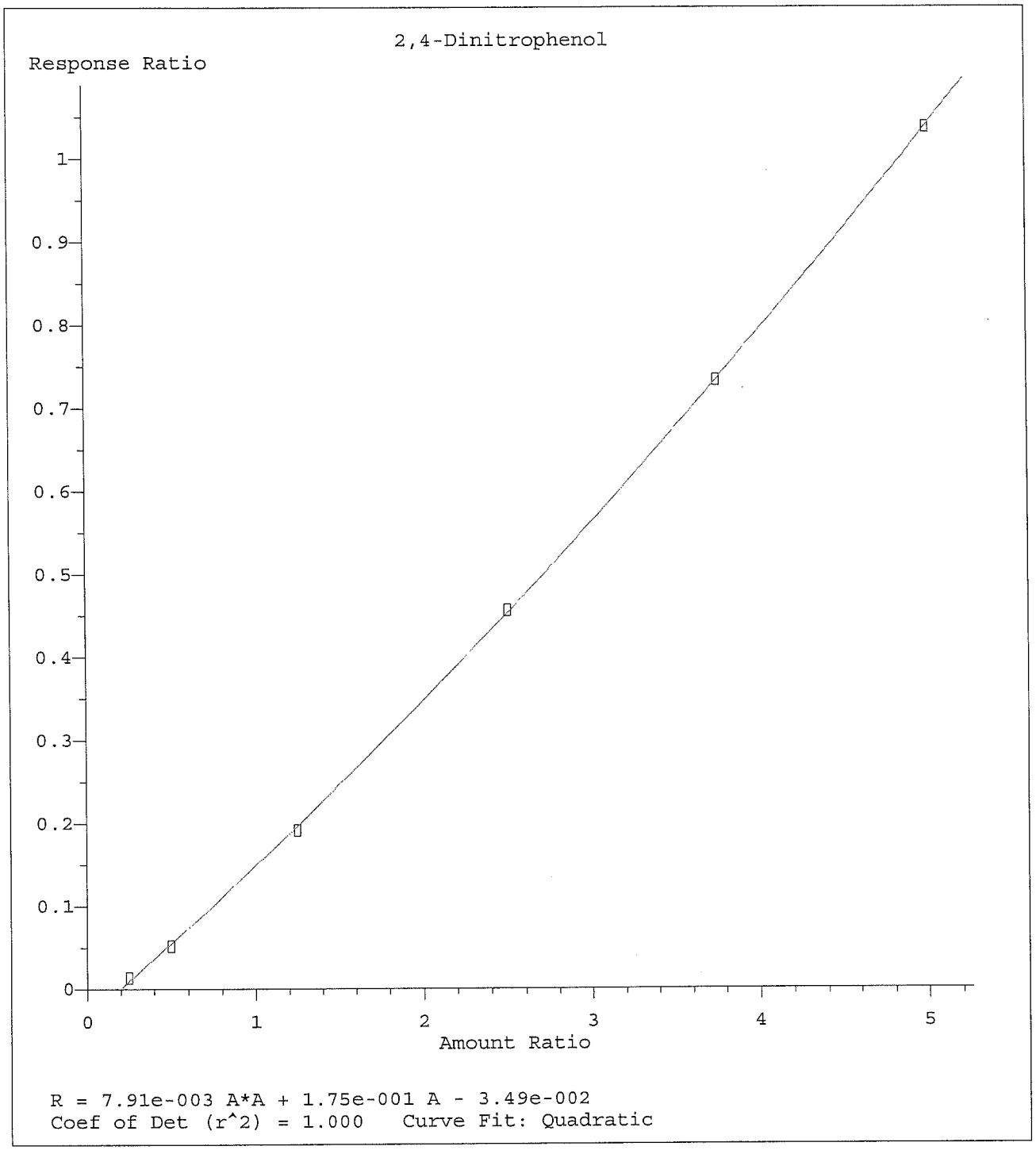
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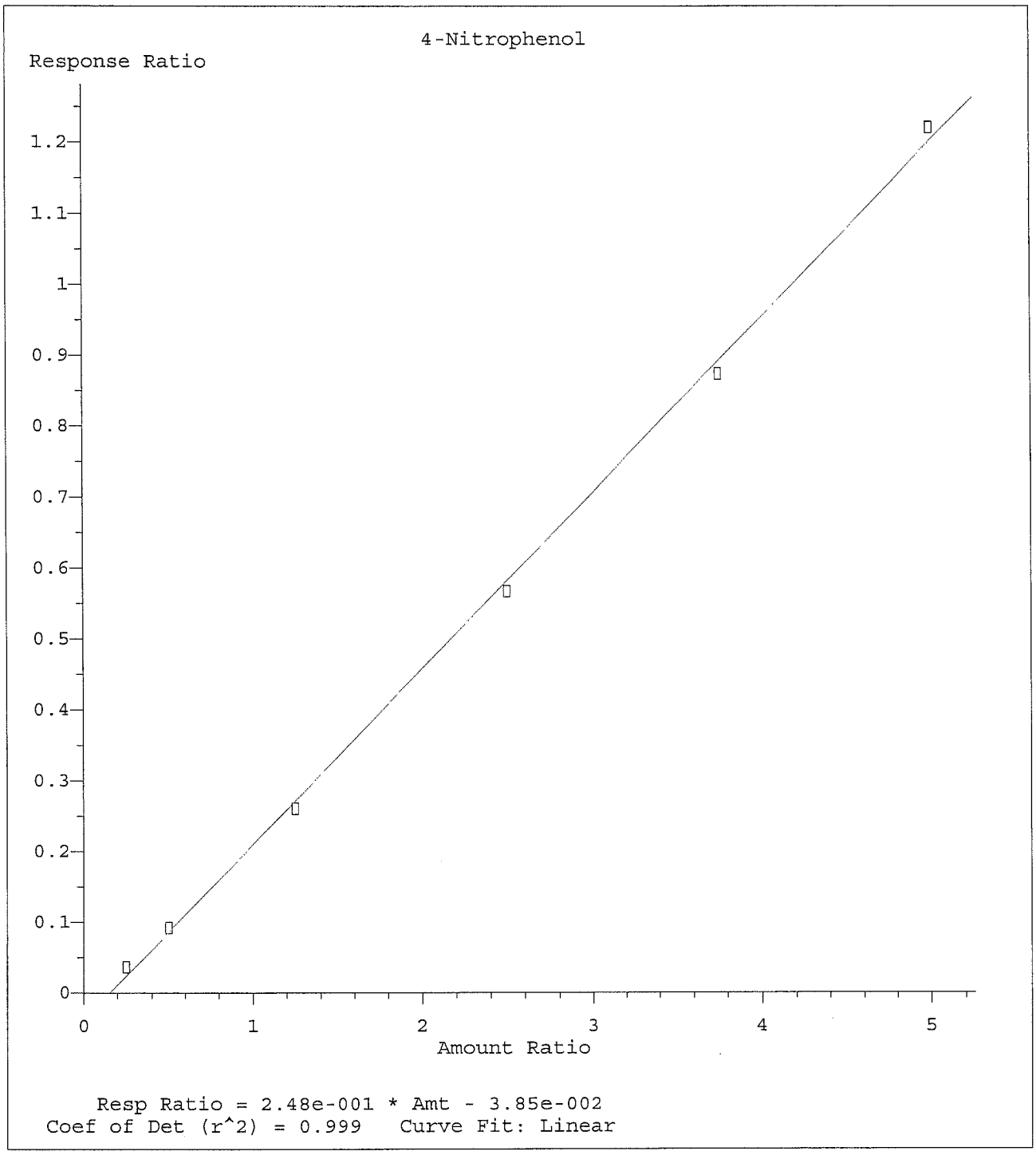
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Calibration Table Last Updated: Mon Nov 28 12:31:11 2011



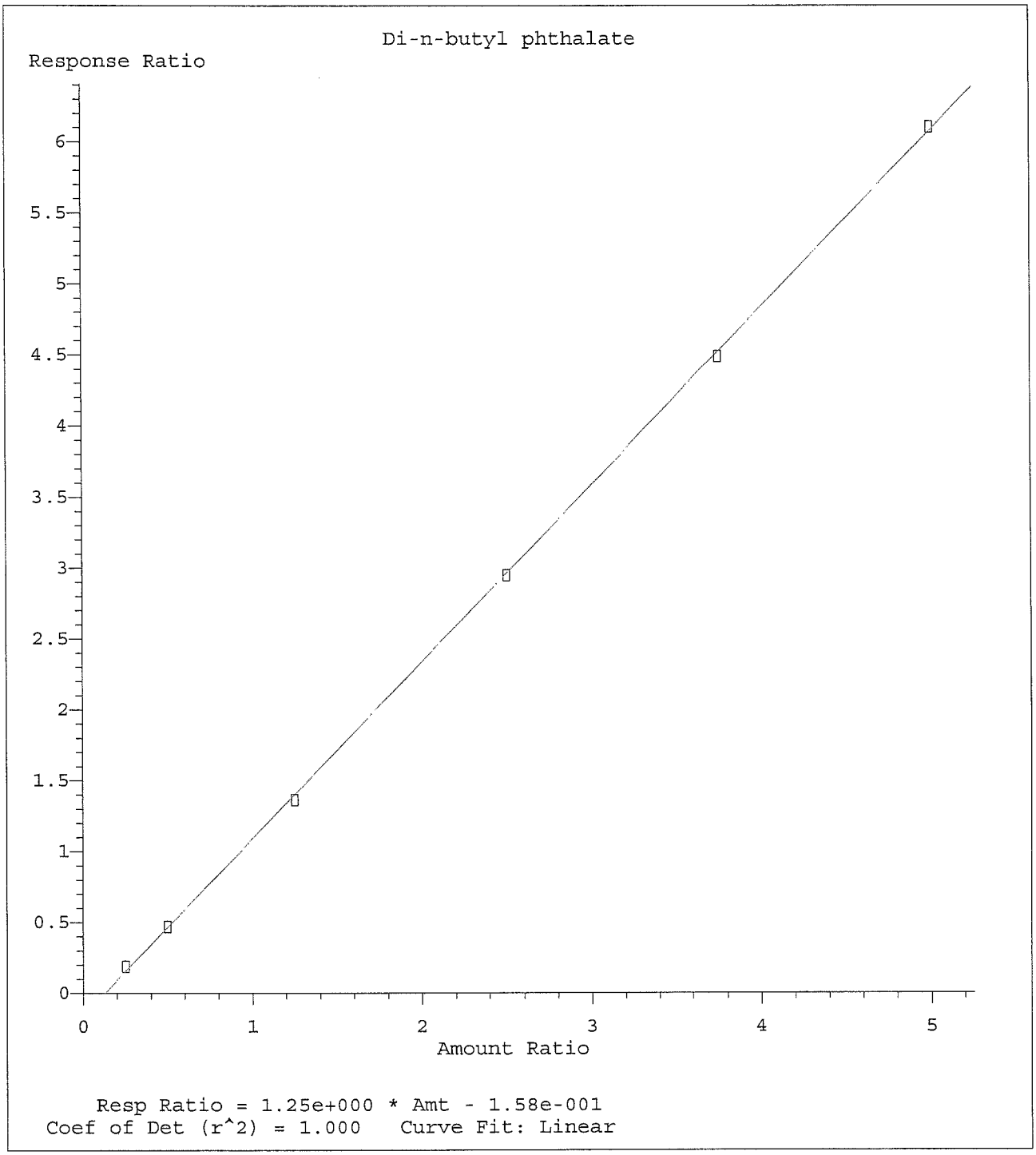
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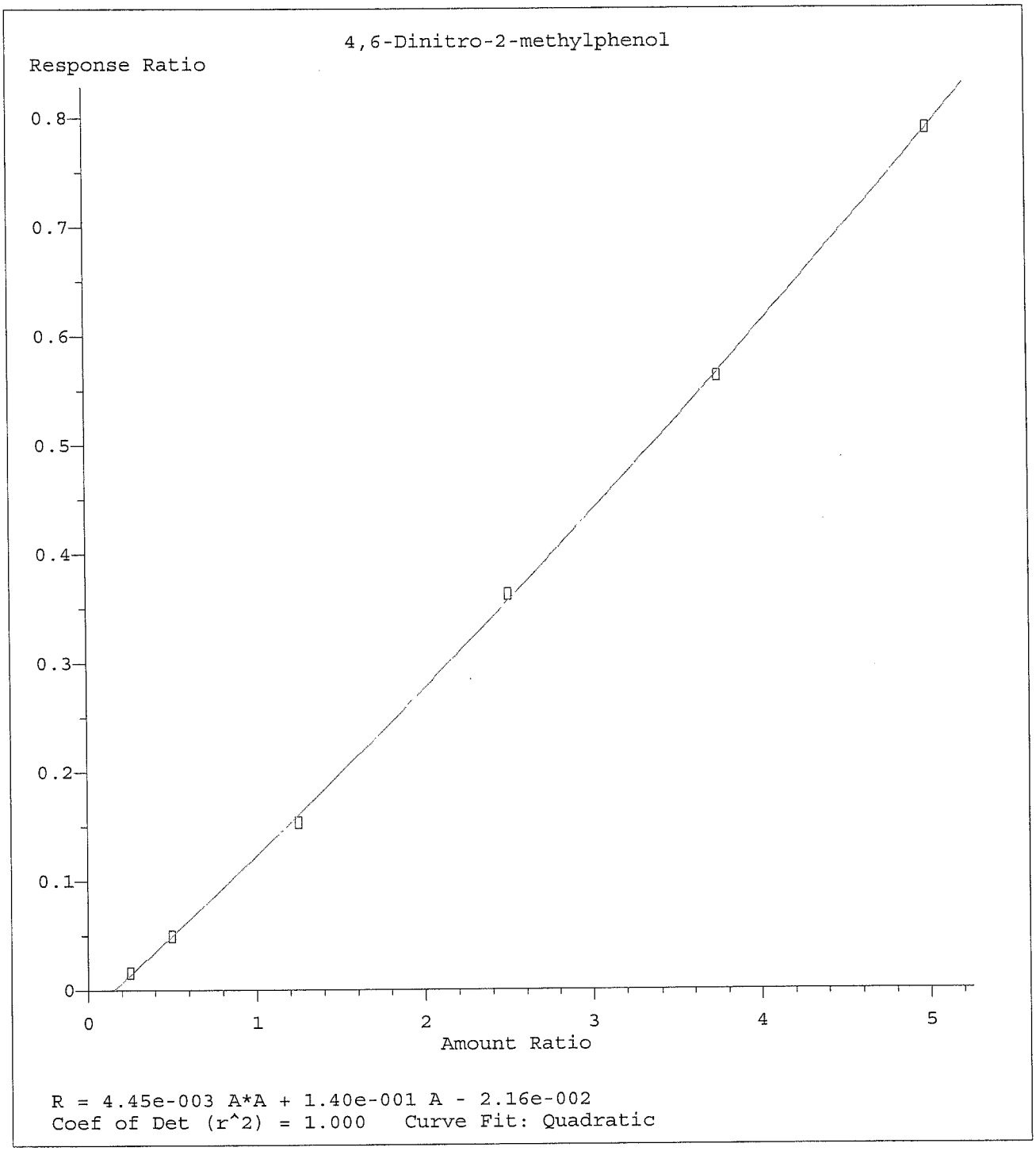
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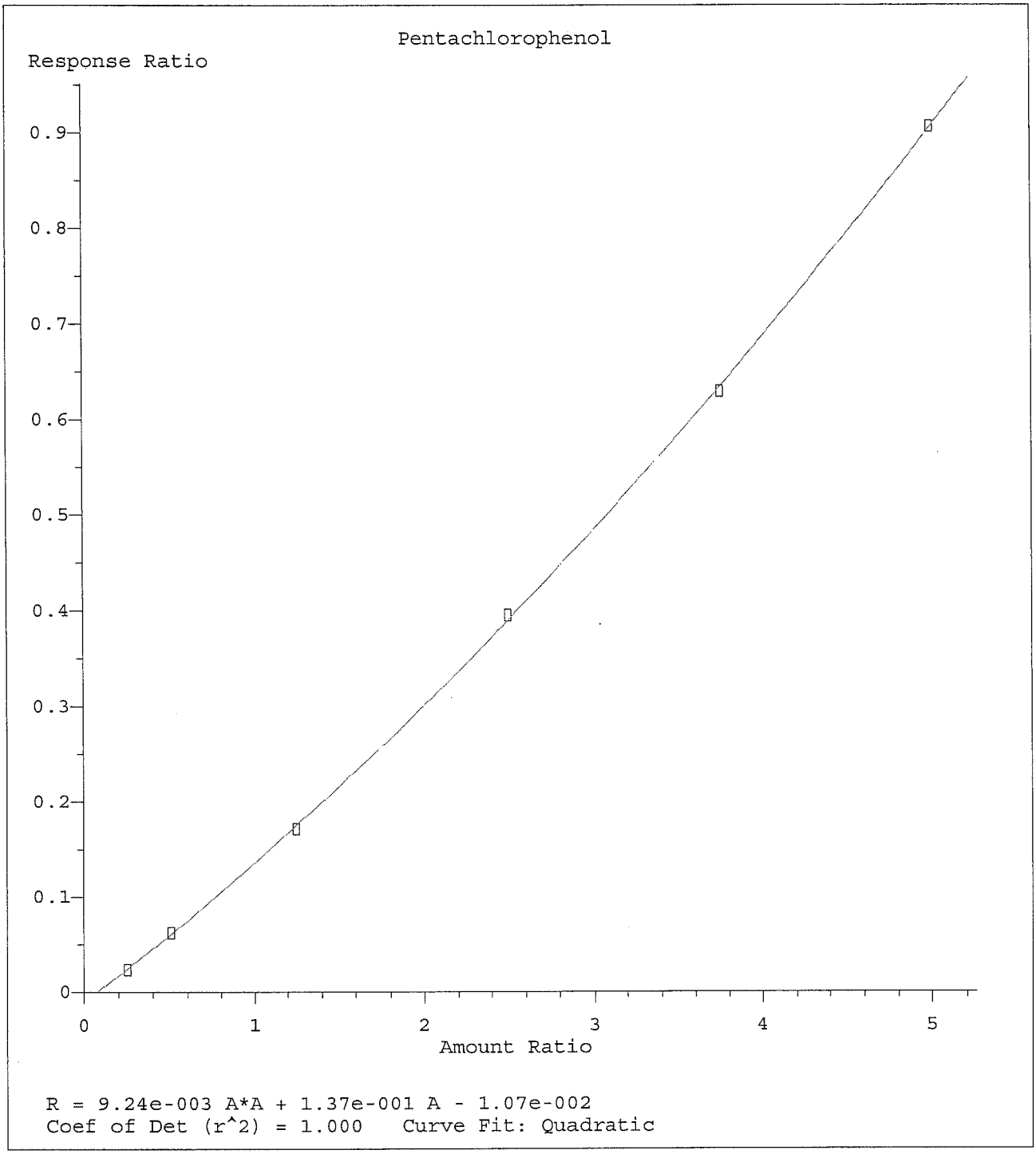
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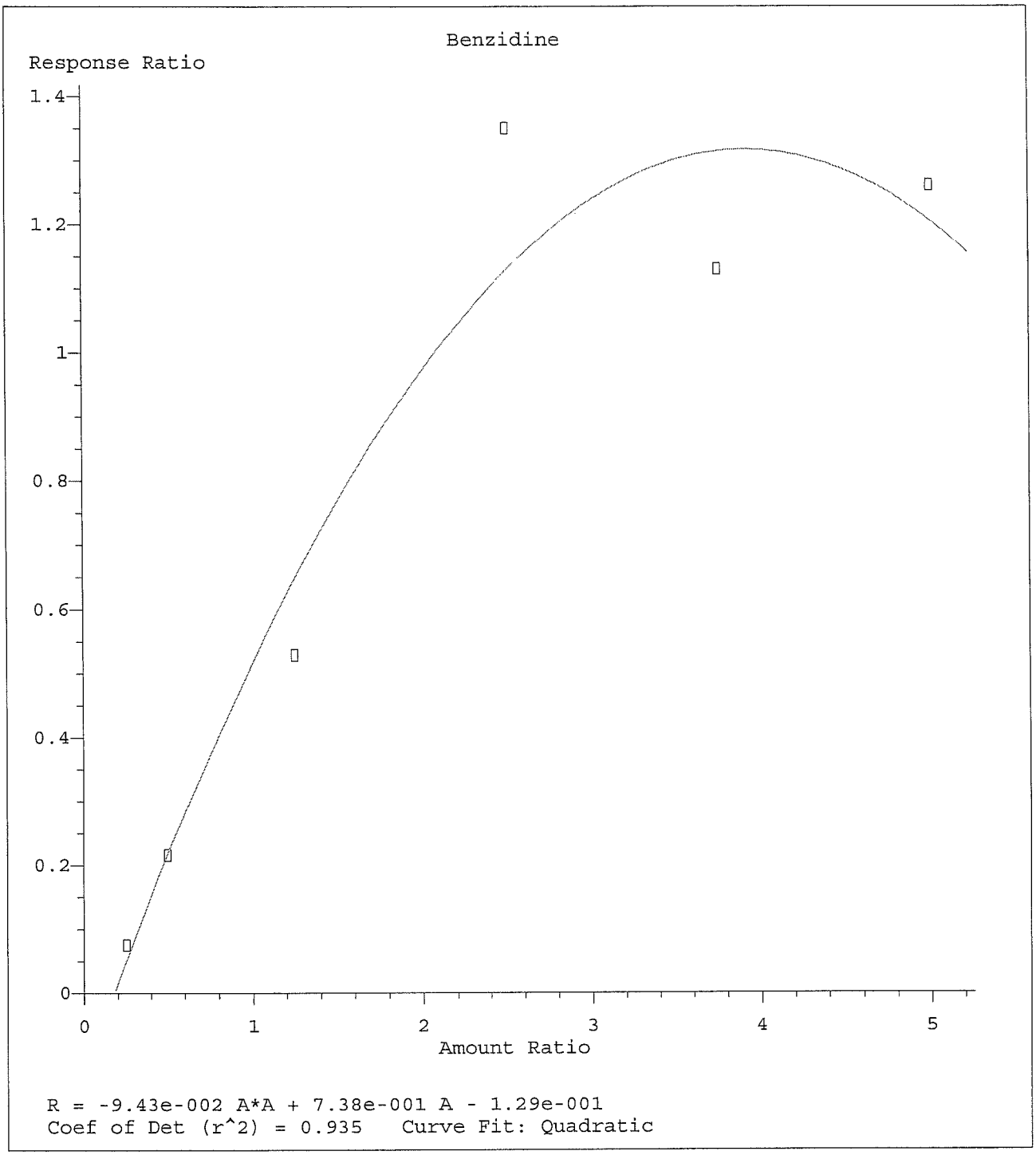
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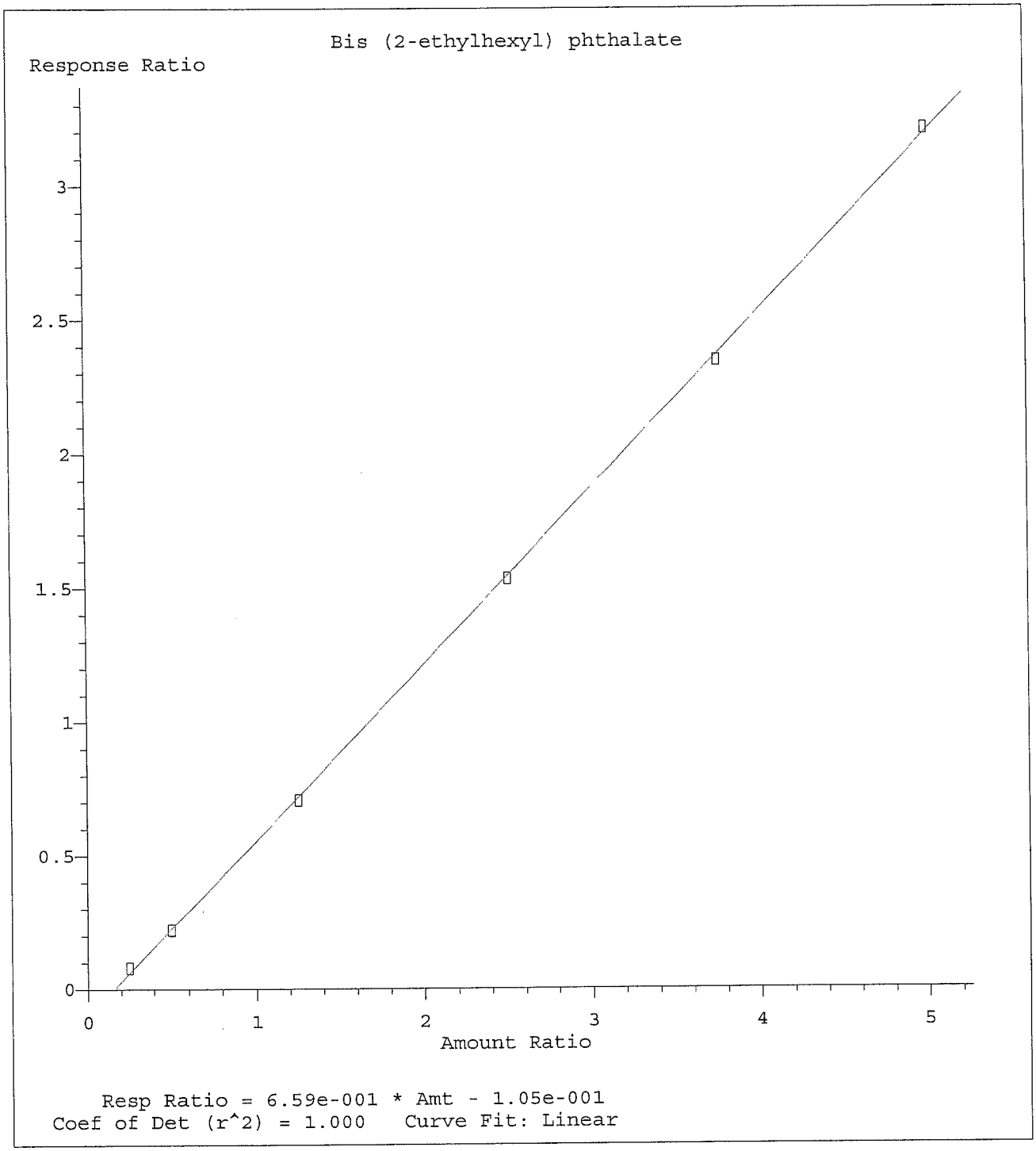
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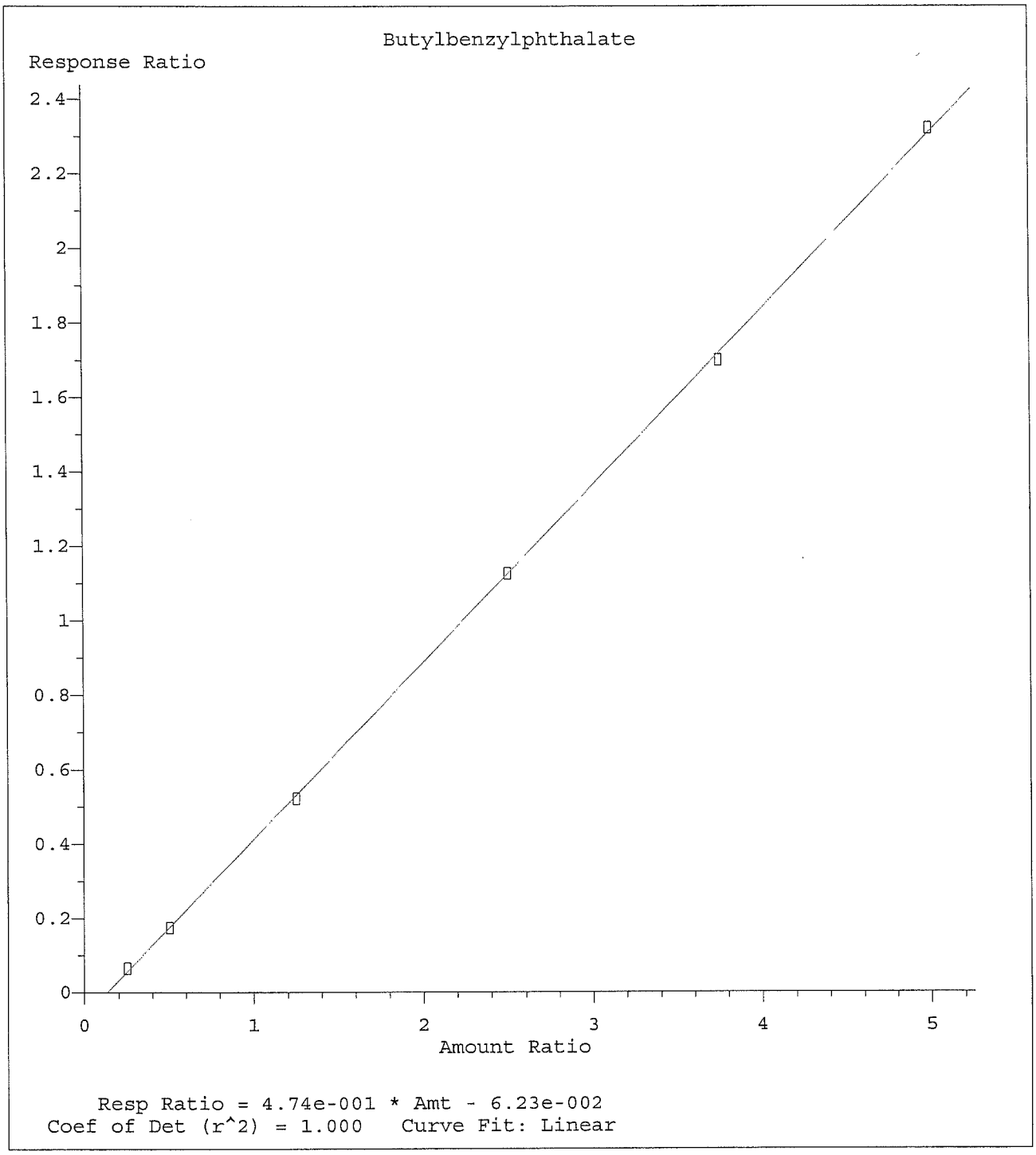
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Calibration Table Last Updated: Mon Nov 28 12:31:11 2011



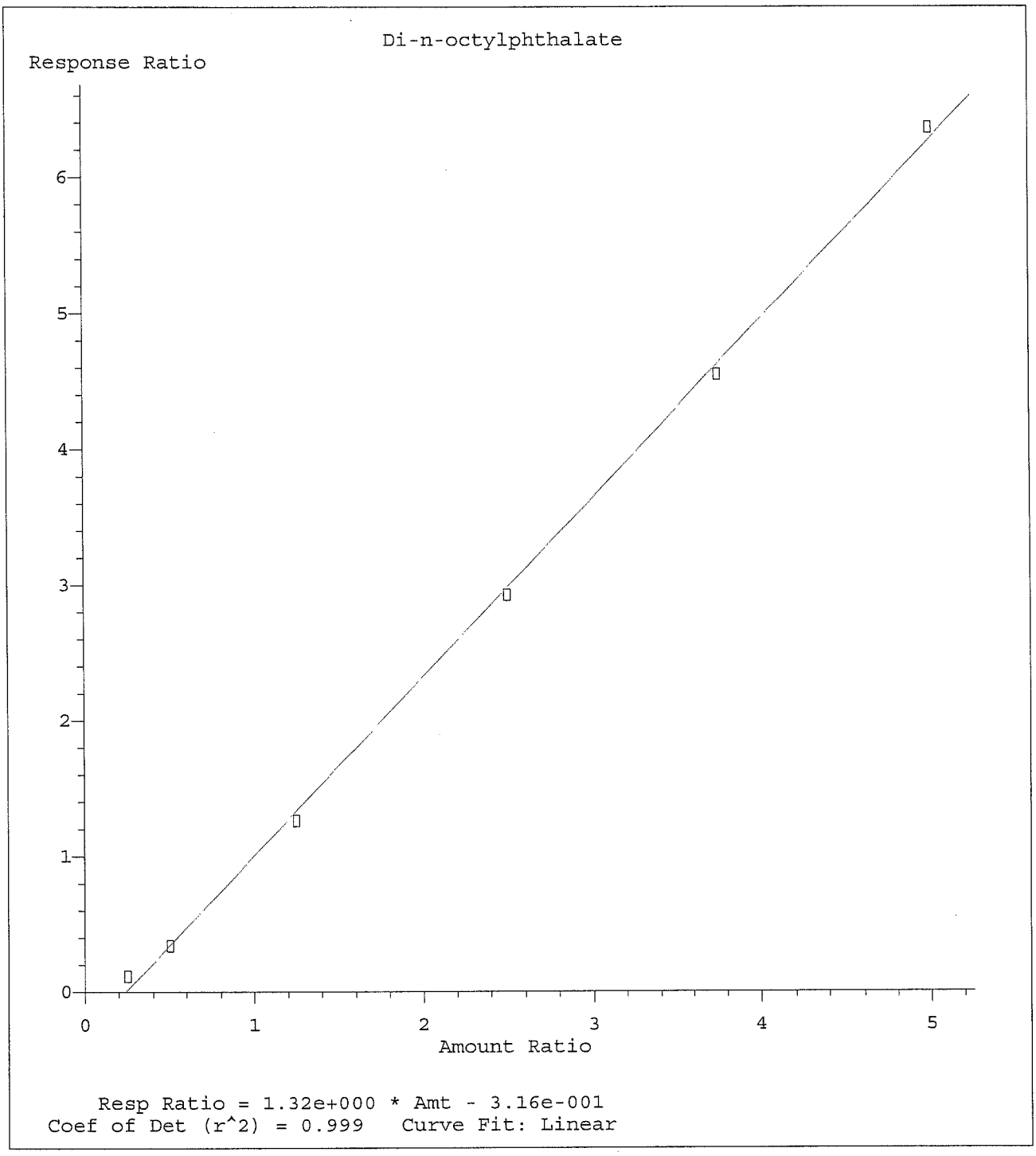
Method Name: C:\msdchem\1\METHODS\ABN112811.M
Calibration Table Last Updated: Mon Nov 28 12:31:11 2011



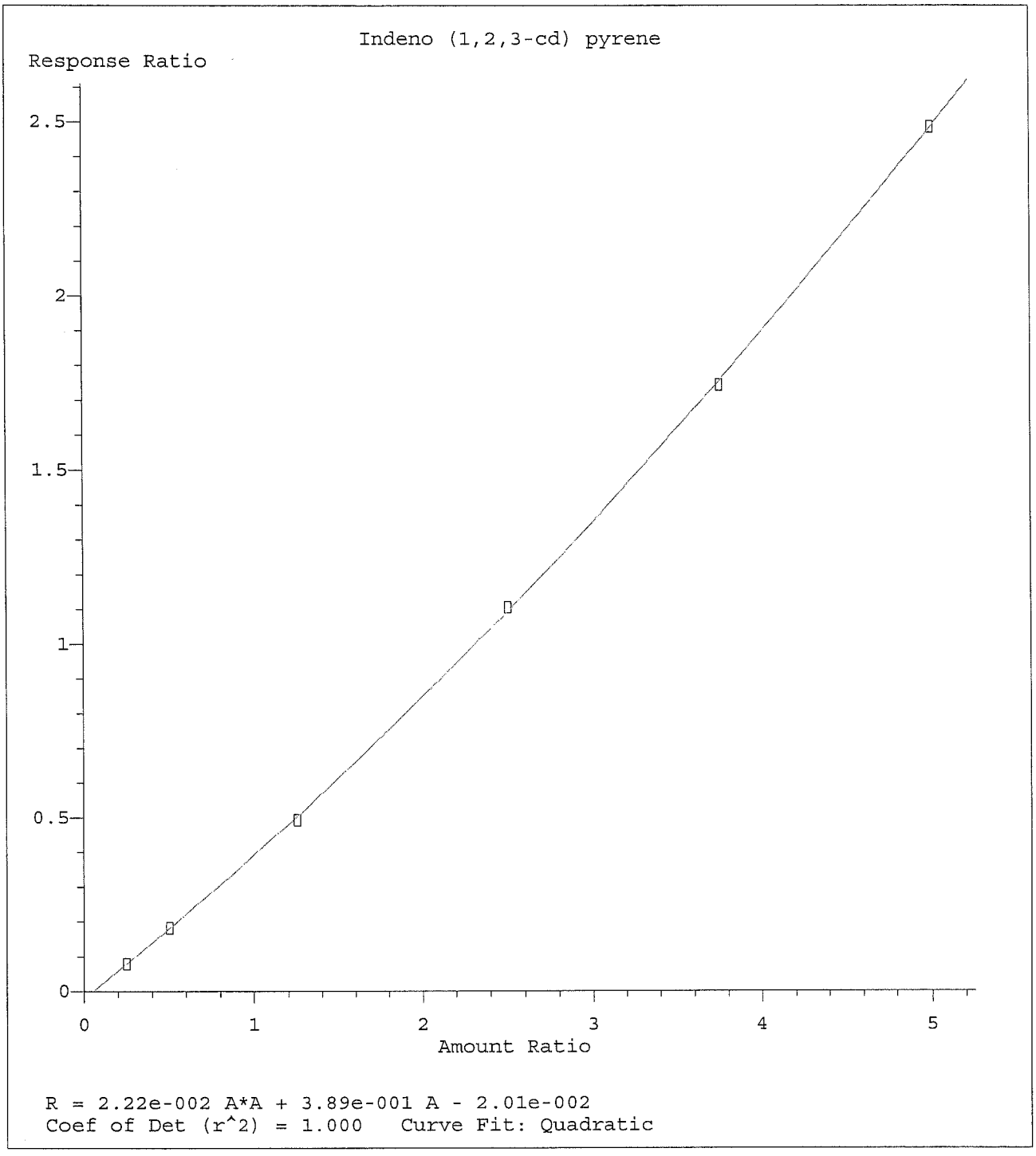
Method Name: C:\msdchem\1\METHODS\ABN112811.M
Calibration Table Last Updated: Mon Nov 28 12:31:11 2011



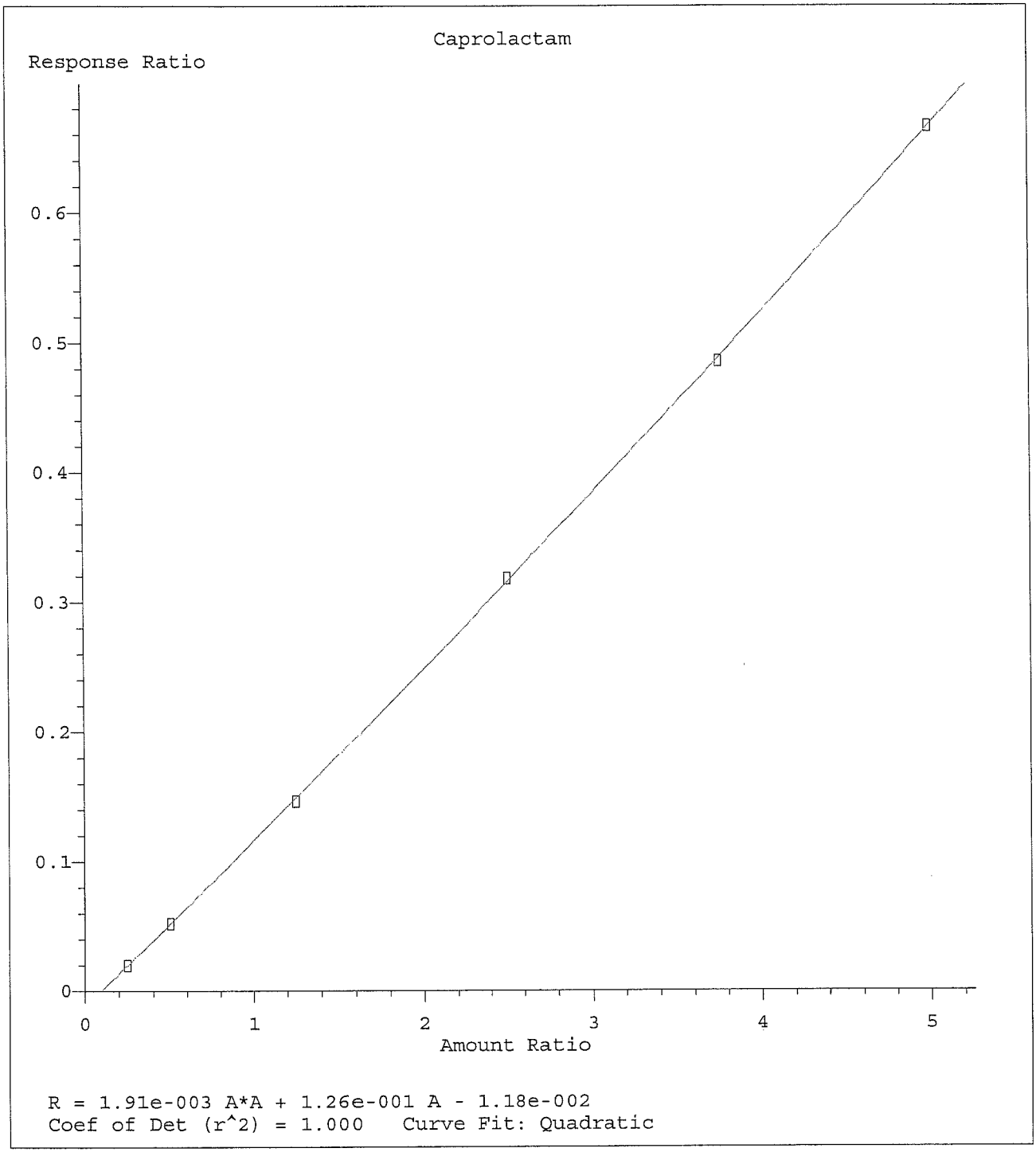
Method Name: C:\msdchem\1\METHODS\ABN112811.M
Calibration Table Last Updated: Mon Nov 28 12:31:11 2011



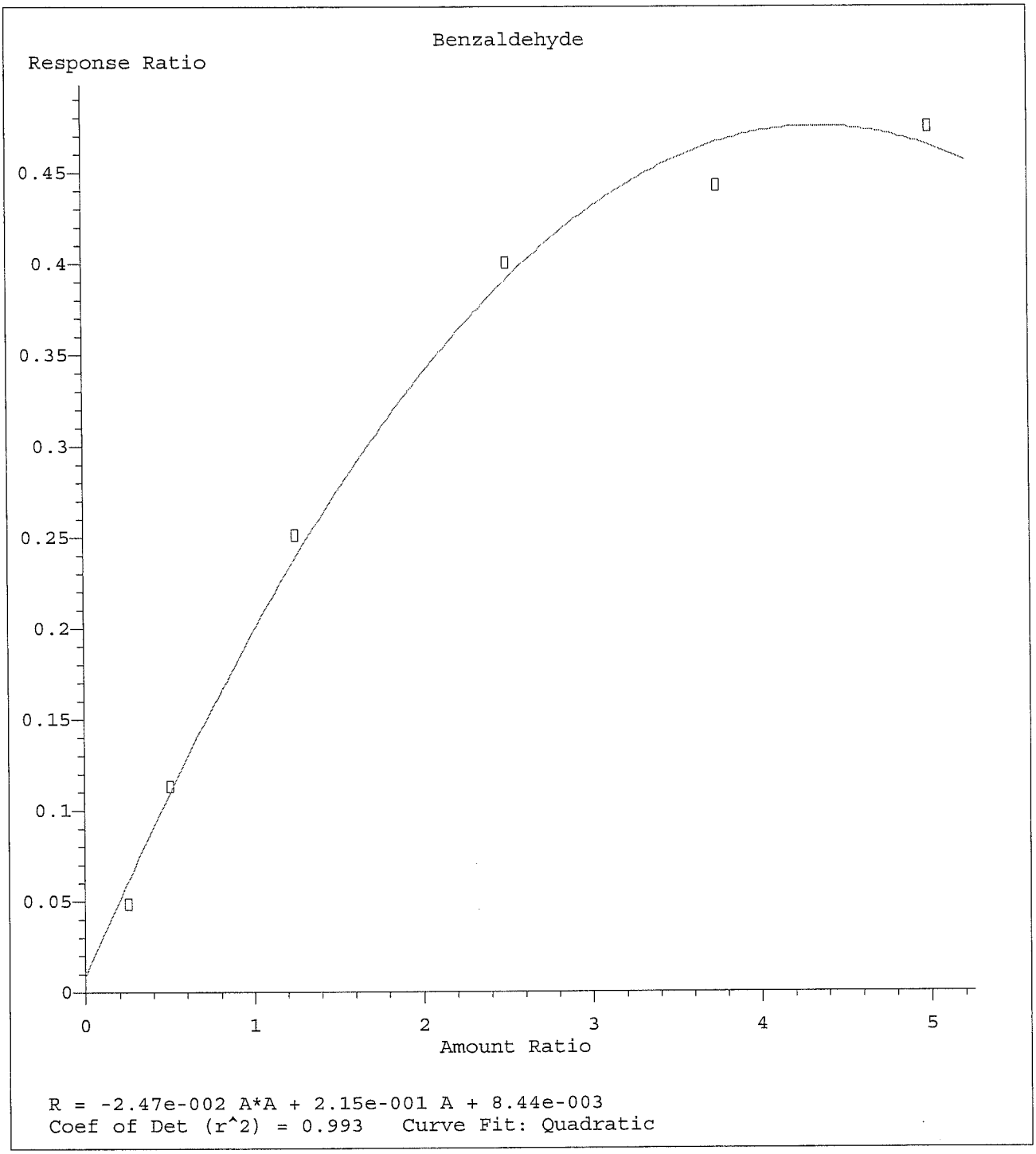
Method Name: C:\msdchem\1\METHODS\ABN112811.M
Calibration Table Last Updated: Mon Nov 28 12:31:11 2011



Method Name: C:\msdchem\1\METHODS\ABN112811.M
Calibration Table Last Updated: Mon Nov 28 12:31:11 2011



Method Name: C:\msdchem\1\METHODS\ABN112811.M
Calibration Table Last Updated: Mon Nov 28 12:39:25 2011



Method Name: C:\msdchem\1\METHODS\ABN112811.M
Calibration Table Last Updated: Mon Nov 28 12:39:56 2011

Quantitation Report (QT Reviewed)

Data File : C:\msdchem\1\DATA\111128\S60033.D Vial: 3
Acq On : 28 Nov 2011 9:13 am Operator: G.J.Brien
Sample : 8270 Cal L-1 10ppm Inst : 73SVOAV2
Misc : 11181

Quant Time: Nov 28 10:03:00 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 10:00:26 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M

✓ 11/28/11

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.176	152	74144	40.00	ug/ml	0.00
17) Napthalene-d8	9.044	136	243826	40.00	ug/ml	0.00
35) Acenaphthene-d10	11.682	164	160058	40.00	ug/ml	0.00
56) Phenanthrene-d10	13.874	188	278086	40.00	ug/ml	0.00
66) Chrysene-d12	18.022	240	295661	40.00	ug/ml	0.00
75) Perylene-d12	19.973	264	262297	40.00	ug/ml	0.00
System Monitoring Compounds						
9) 2-Fluorophenol	5.378	112	36224	16.34	ug/ml	0.00
Spiked Amount 100.000	Range 0 - 110		Recovery = 16.34%			
16) Phenol-d5	6.788	99	45220	17.45	ug/ml	0.00
Spiked Amount 100.000	Range 0 - 104		Recovery = 17.45%			
31) Nitrobenzene-d5	8.010	82	18596	8.09	ug/ml	0.00
Spiked Amount 50.000	Range 44 - 101		Recovery = 16.18%#			
47) 2-Fluorobiphenyl	10.713	172	52094	9.97	ug/ml	0.00
Spiked Amount 50.000	Range 37 - 91		Recovery = 19.94%#			
53) 2,4,6-Tribromophenol	12.869	330	12276	17.68	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 143		Recovery = 17.68%			
74) Terphenyl-d14	16.424	244	53723	8.82	ug/ml	0.00
Spiked Amount 50.000	Range 56 - 112		Recovery = 17.64%#			
Target Compounds						Qvalue
2) Benzyl alcohol	7.434	108	9269	7.28	ug/ml	95
3) Bis (2-chloroethyl) ether	6.876	93	17333	8.53	ug/ml	90
4) Bis (2-chloroisopropyl...	7.687	45	23930	5.46	ug/ml#	98
5) 2-Chlorophenol	6.911	128	18830	8.01	ug/ml	97
6) 1,3-Dichlorobenzene	7.117	146	25323	9.34	ug/ml	99
7) 1,4-Dichlorobenzene	7.199	146	24682	9.14	ug/ml	94
8) 1,2-Dichlorobenzene	7.464	146	23976	9.27	ug/ml	96
10) Hexachloroethane	7.916	117	8767	7.97	ug/ml	94
11) 2-Methylphenol	7.663	108	16071	8.22	ug/ml	98
12) 3&4-Methylphenol	7.875	108	17391	8.30	ug/ml#	95
13) N-Nitrosodimethylamine	2.863	74	9417m (S)	8.34	ug/ml	
14) N-Nitroso-di-n-propyla...	7.875	70	11662	8.14	ug/ml#	61
15) Phenol	6.805	94	22721	8.73	ug/ml#	79
18) Aniline	6.758	93	26851	9.37	ug/ml	90
19) Benzoic acid	8.762	122	3377m (S)	10.76	ug/ml	
20) Bis (2-chloroethoxy) m...	8.780	93	20625	9.07	ug/ml#	90
21) 4-Chloroaniline	9.209	127	23420	8.90	ug/ml	96
22) 4-Chloro-3-methylphenol	9.972	107	13580	7.62	ug/ml	97
23) 2,4-Dichlorophenol	8.874	162	16727	8.79	ug/ml	98
24) 2,6-Dichlorophenol	9.220	162	17103	8.79	ug/ml	91
25) 2,4-Dimethylphenol	8.645	107	16462	8.23	ug/ml	99
26) Hexachlorobutadiene	9.391	225	12971	9.33	ug/ml	93
27) Isophorone	8.398	82	30070	8.20	ug/ml#	93
28) 2-Methylnapthalene	10.108	142	41507	9.70	ug/ml	94
29) Naphthalene	9.073	128	61731	9.91	ug/ml	99
30) Nitrobenzene	8.039	77	20271	9.34	ug/ml#	86
32) 2-Nitrophenol	8.521	139	8842	7.41	ug/ml#	72
33) Azobenzene	12.746	77	39755	9.07	ug/ml	86
34) 1,2,4-Trichlorobenzene	9.003	180	22456	10.04	ug/ml	97
36) 2-Chloronaphthalene	10.824	162	41250m	9.24	ug/ml	
37) Acenaphthene	11.729	153	41501	9.79	ug/ml	99

Quantitation Report (QT Reviewed)

Data File : C:\msdchem\1\DATA\111128\S60033.D Vial: 3
Acq On : 28 Nov 2011 9:13 am Operator: G.J.Brien
Sample : 8270 Cal L-1 10ppm Inst : 73SVOAV2
Misc : 11181

Quant Time: Nov 28 10:03:00 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 10:00:26 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M

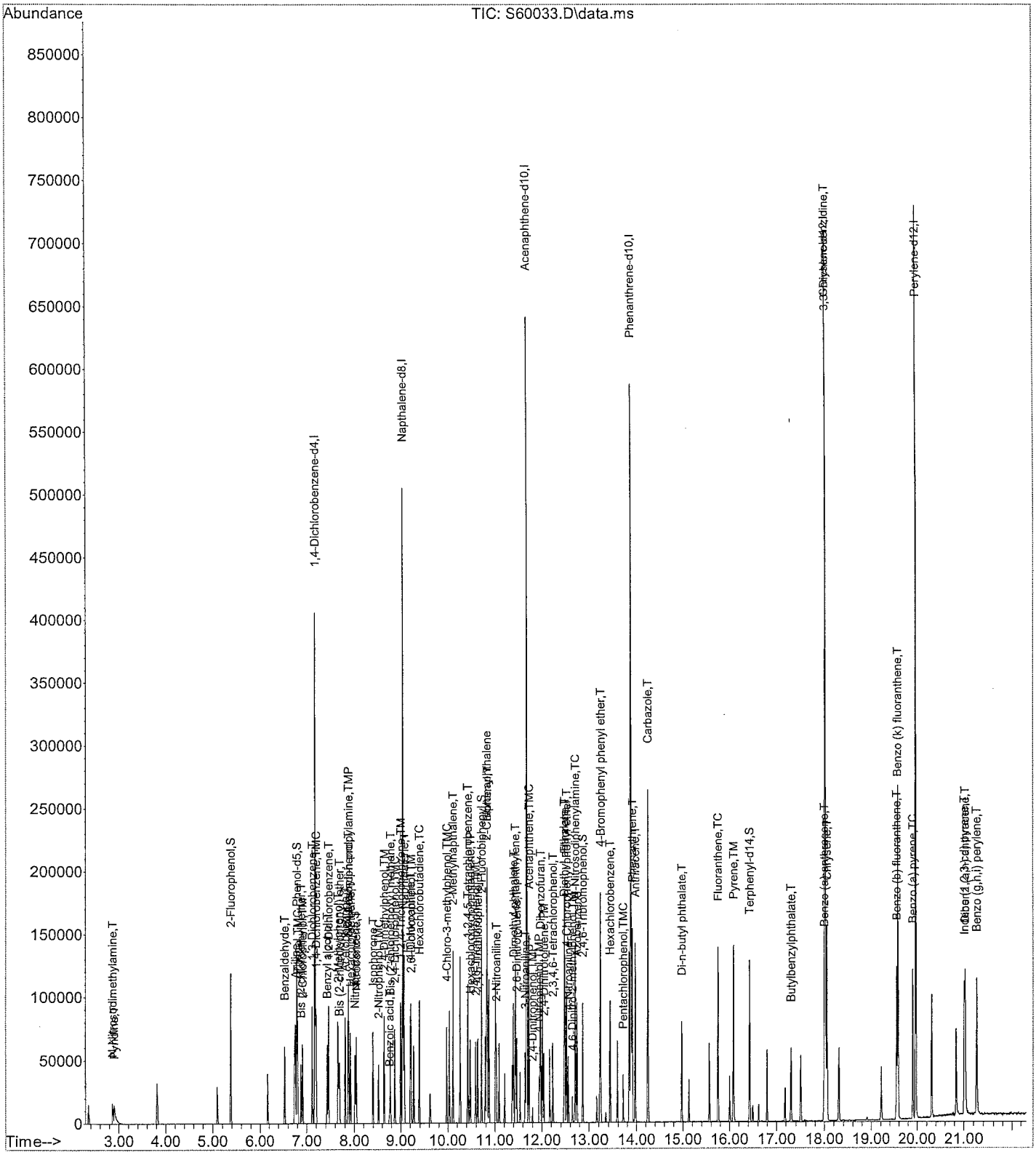
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) Acenaphthylene	11.441	152	62028	9.37	ug/ml	99
39) 4-Chlorophenyl phenyl ...	12.522	204	24563	9.81	ug/ml	96
40) Dibenzofuran	11.970	168	61436	10.09	ug/ml	94
41) Diethyl phthalate	12.470	149	41753	8.51	ug/ml	99
42) Dimethyl phthalate	11.400	163	46686	9.33	ug/ml#	94
43) 2,4-Dinitrophenol	11.806	184	2220	9.90	ug/ml#	35
44) 2,4-Dinitrotoluene	12.046	165	12200	8.22	ug/ml	91
45) 2,6-Dinitrotoluene	11.471	165	9858	8.79	ug/ml	98
46) Fluorene	12.481	166	48823	9.50	ug/ml	96
48) Hexachlorocyclopentadiene	10.478	237	11482	7.33	ug/ml#	92
49) 2-Nitroaniline	11.030	138	10201	7.39	ug/ml	90
50) 3-Nitroaniline	11.653	138	9559	8.07	ug/ml#	97
51) 4-Nitroaniline	12.558	138	8493	7.46	ug/ml	87
52) 4-Nitrophenol	11.941	65	5858	6.06	ug/ml	92
54) 2,4,6-Trichlorophenol	10.589	196	11572	8.00	ug/ml	99
55) 2,4,5-Trichlorophenol	10.636	196	13278	8.29	ug/ml	98
57) 4-Bromophenyl phenyl e...	13.239	248	15663	9.92	ug/ml	91
58) Di-n-butyl phthalate	14.973	149	52671	6.09	ug/ml#	98
59) 4,6-Dinitro-2-methylph...	12.646	198	4461	10.02	ug/ml#	38
60) Fluoranthene	15.748	202	71423	8.57	ug/ml	98
61) Hexachlorobenzene	13.433	284	16223	9.81	ug/ml	94
62) N-Nitrosodiphenylamine	12.705	169	40111	8.99	ug/ml	98
63) Pentachlorophenol	13.709	266	6503	6.25	ug/ml	93
64) Anthracene	13.974	178	68602	8.92	ug/ml	98
65) Phenanthrene	13.909	178	71240	9.50	ug/ml	99
68) Benzo (a) anthracene	17.998	228	61155	7.51	ug/ml	99
70) Butylbenzylphthalate	17.305	149	19493	5.02	ug/ml	97
71) Chrysene	18.057	228	72651	9.23	ug/ml	99
72) 3,3'-Dichlorobenzidine	18.028	252	21267	7.38	ug/ml	99
73) Pyrene	16.089	202	76545	8.42	ug/ml	96
76) Benzo (b) fluoranthene	19.550	252	62593	7.52	ug/ml	99
77) Benzo (k) fluoranthene	19.573	252	76328	9.19	ug/ml	99
78) Benzo (g,h,i) perylene	21.265	276	56279	7.94	ug/ml	98
79) Benzo (a) pyrene	19.902	252	54828	7.20	ug/ml	100
80) Dibenz (a,h) anthracene	21.030	278	55548	8.33	ug/ml	97
82) Indeno (1,2,3-cd) pyrene	21.013	138	20745	8.01	ug/ml	90
83) Pyridine	2.898	79	15459	14.58	ug/ml	88
84) Biphenyl	10.830	154	52659	8.52	ug/ml	99
85) Acetophenone	7.804	105	24886	7.48	ug/ml	90
88) Carbazole	14.244	167	129404	8.47	ug/ml	98
89) Benzaldehyde	6.529	77	12712	8.79	ug/ml	97
90) 1,2,4,5-Tetrachloroben...	10.425	216	23020	8.99	ug/ml	96
91) 2,3,4,6-Tetrachlorophenol	12.235	232	11616	8.53	ug/ml	94

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

Quantitation Report (QT Reviewed)

Data File : C:\msdchem\1\DATA\111128\S60033.D Vial: 3
Acq On : 28 Nov 2011 9:13 am Operator: G.J.Brien
Sample : 8270 Cal L-1 10ppm Inst : 73SVOAV2
Misc : 11181

Quant Time: Nov 28 10:03:00 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 10:00:26 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M



Quantitation Report (QT Reviewed)

Data File : C:\msdchem\1\DATA\111128\S60034.D Vial: 4
Acq On : 28 Nov 2011 9:44 am Operator: G.J.Brien
Sample : 8270 Cal L-2 20ppm Inst : 73SVOAV2
Misc : 11182

Quant Time: Nov 28 10:08:44 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 10:00:26 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.176	152	71738	40.00	ug/ml	0.00
17) Napthalene-d8	9.050	136	244921	40.00	ug/ml	0.00
35) Acenaphthene-d10	11.682	164	156530	40.00	ug/ml	0.00
56) Phenanthrene-d10	13.880	188	269185	40.00	ug/ml	0.00
66) Chrysene-d12	18.022	240	287010	40.00	ug/ml	0.00
75) Perylene-d12	19.967	264	253105	40.00	ug/ml	0.00
System Monitoring Compounds						
9) 2-Fluorophenol	5.378	112	75805	35.33	ug/ml	0.00
Spiked Amount 100.000	Range 0 - 110		Recovery = 35.33%			
16) Phenol-d5	6.794	99	94067	37.51	ug/ml	0.00
Spiked Amount 100.000	Range 0 - 104		Recovery = 37.51%			
31) Nitrobenzene-d5	8.016	82	40920	17.73	ug/ml	0.00
Spiked Amount 50.000	Range 44 - 101		Recovery = 35.46%#			
47) 2-Fluorobiphenyl	10.713	172	106926	20.93	ug/ml	0.00
Spiked Amount 50.000	Range 37 - 91		Recovery = 41.86%			
53) 2,4,6-Tribromophenol	12.875	330	27669	40.74	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 143		Recovery = 40.74%			
74) Terphenyl-d14	16.424	244	113767	19.24	ug/ml	0.00
Spiked Amount 50.000	Range 56 - 112		Recovery = 38.48%#			
Target Compounds						Qvalue
2) Benzyl alcohol	7.434	108	22247	18.05	ug/ml	99
3) Bis (2-chloroethyl) ether	6.882	93	33619	17.10	ug/ml	95
4) Bis (2-chloroisopropyl...	7.687	45	49223	11.60	ug/ml	97
5) 2-Chlorophenol	6.917	128	39994	17.59	ug/ml	96
6) 1,3-Dichlorobenzene	7.117	146	50104	19.09	ug/ml	99
7) 1,4-Dichlorobenzene	7.199	146	49555	18.97	ug/ml	100
8) 1,2-Dichlorobenzene	7.464	146	47452	18.97	ug/ml	97
10) Hexachloroethane	7.916	117	18395	17.28	ug/ml	91
11) 2-Methylphenol	7.664	108	33704	17.82	ug/ml	97
12) 3&4-Methylphenol	7.881	108	36693	18.10	ug/ml	97
13) N-Nitrosodimethylamine	2.857	74	20298	18.58	ug/ml#	61
14) N-Nitroso-di-n-propyla...	7.875	70	25762	18.58	ug/ml#	61
15) Phenol	6.812	94	47164	18.72	ug/ml#	79
18) Aniline	6.759	93	56892	19.76	ug/ml	91
19) Benzoic acid	8.792	122	13576	17.01	ug/ml#	100
20) Bis (2-chloroethoxy) m...	8.780	93	42611	18.65	ug/ml	99
21) 4-Chloroaniline	9.209	127	50977	19.28	ug/ml	94
22) 4-Chloro-3-methylphenol	9.973	107	30974	17.30	ug/ml	97
23) 2,4-Dichlorophenol	8.874	162	36449	19.06	ug/ml	99
24) 2,6-Dichlorophenol	9.221	162	36403	18.63	ug/ml	91
25) 2,4-Dimethylphenol	8.645	107	36864	18.35	ug/ml	97
26) Hexachlorobutadiene	9.391	225	26565	19.03	ug/ml	97
27) Isophorone	8.398	82	66151	17.96	ug/ml	99
28) 2-Methylnapthalene	10.108	142	85757	19.95	ug/ml	96
29) Naphthalene	9.074	128	123600	19.76	ug/ml	99
30) Nitrobenzene	8.040	77	41584	19.08	ug/ml	99
32) 2-Nitrophenol	8.521	139	20005	16.69	ug/ml	94
33) Azobenzene	12.746	77	84208	19.12	ug/ml	85
34) 1,2,4-Trichlorobenzene	9.003	180	45282	20.16	ug/ml	96
36) 2-Chloronaphthalene	10.825	162	83404m(S)	19.11	ug/ml	
37) Acenaphthene	11.729	153	85435	20.60	ug/ml	98

Quantitation Report (QT Reviewed)

Data File : C:\msdchem\1\DATA\111128\S60034.D Vial: 4
Acq On : 28 Nov 2011 9:44 am Operator: G.J.Brien
Sample : 8270 Cal L-2 20ppm Inst : 73SVOAV2
Misc : 11182

Quant Time: Nov 28 10:08:44 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 10:00:26 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M

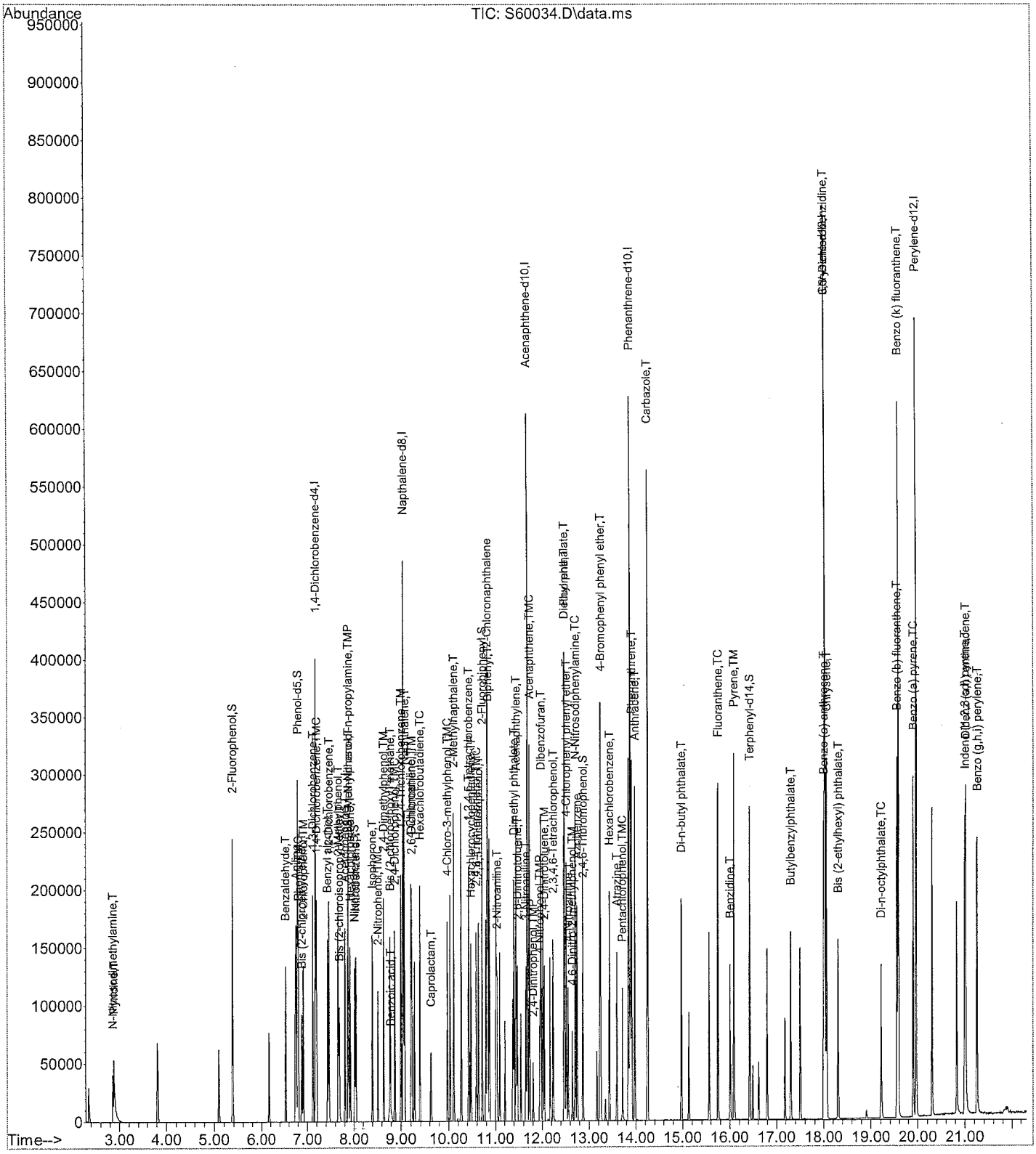
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
38) Acenaphthylene	11.447	152	130554	20.17 ug/ml	99
39) 4-Chlorophenyl phenyl ...	12.523	204	49848	20.35 ug/ml	95
40) Dibenzofuran	11.970	168	122103	20.51 ug/ml	91
41) Diethyl phthalate	12.476	149	90487	18.85 ug/ml	100
42) Dimethyl phthalate	11.400	163	95818	19.58 ug/ml	98
43) 2,4-Dinitrophenol	11.806	184	8125	18.19 ug/ml	86
44) 2,4-Dinitrotoluene	12.047	165	27179	18.73 ug/ml	92
45) 2,6-Dinitrotoluene	11.477	165	21202	19.32 ug/ml	96
46) Fluorene	12.482	166	100125	19.92 ug/ml	97
48) Hexachlorocyclopentadiene	10.478	237	26843	17.51 ug/ml	98
49) 2-Nitroaniline	11.036	138	23781	17.62 ug/ml	89
50) 3-Nitroaniline	11.653	138	20936	18.08 ug/ml#	98
51) 4-Nitroaniline	12.564	138	20486	18.41 ug/ml	88
52) 4-Nitrophenol	11.947	65	14489	15.34 ug/ml	97
54) 2,4,6-Trichlorophenol	10.590	196	26057	18.43 ug/ml	100
55) 2,4,5-Trichlorophenol	10.637	196	28889	18.45 ug/ml	96
57) 4-Bromophenyl phenyl e...	13.245	248	31251	20.45 ug/ml	93
58) Di-n-butyl phthalate	14.973	149	126231	15.09 ug/ml	99
59) 4,6-Dinitro-2-methylph...	12.646	198	13328	19.10 ug/ml	93
60) Fluoranthene	15.754	202	151524	18.79 ug/ml	99
61) Hexachlorobenzene	13.433	284	33650	21.02 ug/ml	92
62) N-Nitrosodiphenylamine	12.711	169	82351	19.07 ug/ml	98
63) Pentachlorophenol	13.710	266	16709	16.60 ug/ml	98
64) Anthracene	13.980	178	141368	18.99 ug/ml	99
65) Phenanthrene	13.909	178	140886	19.42 ug/ml	100
67) Benzidine	16.007	184	62018	16.15 ug/ml	98
68) Benzo (a) anthracene	17.999	228	137774	17.43 ug/ml	98
69) Bis (2-ethylhexyl) pht...	18.310	149	63900	12.50 ug/ml	96
70) Butylbenzylphthalate	17.305	149	50215	13.31 ug/ml	97
71) Chrysene	18.063	228	144564	18.91 ug/ml	99
72) 3,3'-Dichlorobenzidine	18.028	252	49698	17.77 ug/ml	99
73) Pyrene	16.089	202	163513	18.53 ug/ml	97
76) Benzo (b) fluoranthene	19.550	252	137228	17.08 ug/ml	100
77) Benzo (k) fluoranthene	19.579	252	162160	20.22 ug/ml	100
78) Benzo (g,h,i) perylene	21.260	276	122555	17.93 ug/ml	98
79) Benzo (a) pyrene	19.902	252	124696	16.97 ug/ml	98
80) Dibenz (a,h) anthracene	21.019	278	120510	18.72 ug/ml	98
81) Di-n-octylphthalate	19.215	149	86109	10.14 ug/ml	99
82) Indeno (1,2,3-cd) pyrene	21.001	138	46124m(S)	18.46 ug/ml	
83) Pyridine	2.881	79	34510	24.67 ug/ml	92
84) Biphenyl	10.836	154	105526	17.70 ug/ml	98
85) Acetophenone	7.810	105	51950	16.19 ug/ml	89
86) Atrazine	13.592	200	21211	15.89 ug/ml#	100
87) Caprolactam	9.626	55	13203	10.98 ug/ml#	87
88) Carbazole	14.250	167	262759	17.83 ug/ml	99
89) Benzaldehyde	6.530	77	28670	18.66 ug/ml	98
90) 1,2,4,5-Tetrachloroben...	10.425	216	45881	18.57 ug/ml	99
91) 2,3,4,6-Tetrachlorophenol	12.235	232	24836	18.89 ug/ml	91

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

Quantitation Report (QT Reviewed)

Data File : C:\msdchem\1\DATA\111128\S60034.D Vial: 4
Acq On : 28 Nov 2011 9:44 am Operator: G.J.Brien
Sample : 8270 Cal L-2 20ppm Inst : 73SVOAV2
Misc : 11182

Quant Time: Nov 28 10:08:44 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 10:00:26 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M



Quantitation Report (QT Reviewed)

Data File : C:\msdchem\1\DATA\111128\S60035.D Vial: 5
Acq On : 28 Nov 2011 10:15 am Operator: G.J.Brien
Sample : 8270 Cal L-3 50ppm Inst : 73SVOAV2
Misc : 11183

Quant Time: Nov 28 10:39:56 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 10:00:26 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.176	152	68617	40.00	ug/ml	0.00
17) Napthalene-d8	9.050	136	230771	40.00	ug/ml	0.00
35) Acenaphthene-d10	11.688	164	149244	40.00	ug/ml	0.00
56) Phenanthrene-d10	13.880	188	255550	40.00	ug/ml	0.00
66) Chrysene-d12	18.028	240	276111	40.00	ug/ml	0.00
75) Perylene-d12	19.967	264	242717	40.00	ug/ml	0.00
System Monitoring Compounds						
9) 2-Fluorophenol	5.384	112	188243	91.73	ug/ml	0.00
Spiked Amount 100.000	Range 0 - 110		Recovery = 91.73%			
16) Phenol-d5	6.800	99	227855	95.00	ug/ml	0.01
Spiked Amount 100.000	Range 0 - 104		Recovery = 95.00%			
31) Nitrobenzene-d5	8.016	82	103752	47.70	ug/ml	0.00
Spiked Amount 50.000	Range 44 - 101		Recovery = 95.40%			
47) 2-Fluorobiphenyl	10.719	172	254134	52.17	ug/ml	0.00
Spiked Amount 50.000	Range 37 - 91		Recovery = 104.34%#			
53) 2,4,6-Tribromophenol	12.875	330	69959	108.05	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 143		Recovery = 108.05%			
74) Terphenyl-d14	16.430	244	281313	49.46	ug/ml	0.00
Spiked Amount 50.000	Range 56 - 112		Recovery = 98.92%			
Target Compounds						Qvalue
2) Benzyl alcohol	7.440	108	59670	50.62	ug/ml	98
3) Bis (2-chloroethyl) ether	6.882	93	83319	44.31	ug/ml	93
4) Bis (2-chloroisopropyl...	7.687	45	118843	29.29	ug/ml	97
5) 2-Chlorophenol	6.917	128	100875	46.37	ug/ml	96
6) 1,3-Dichlorobenzene	7.117	146	120511	48.01	ug/ml	97
7) 1,4-Dichlorobenzene	7.199	146	121150	48.49	ug/ml	98
8) 1,2-Dichlorobenzene	7.464	146	114796	47.98	ug/ml	97
10) Hexachloroethane	7.922	117	44197	43.41	ug/ml	89
11) 2-Methylphenol	7.663	108	86178	47.64	ug/ml	98
12) 3&4-Methylphenol	7.887	108	91047	46.95	ug/ml	96
13) N-Nitrosodimethylamine	2.857	74	51944	49.70	ug/ml#	60
14) N-Nitroso-di-n-propyla...	7.881	70	62685	47.26	ug/ml#	62
15) Phenol	6.817	94	114272	47.43	ug/ml	80
18) Aniline	6.764	93	134588	49.62	ug/ml	91
19) Benzoic acid	8.821	122	49510	40.93	ug/ml#	100
20) Bis (2-chloroethoxy) m...	8.786	93	105132	48.83	ug/ml	98
21) 4-Chloroaniline	9.209	127	124452	49.95	ug/ml	94
22) 4-Chloro-3-methylphenol	9.978	107	81236	48.17	ug/ml	98
23) 2,4-Dichlorophenol	8.880	162	91132	50.58	ug/ml	98
24) 2,6-Dichlorophenol	9.220	162	88682	48.18	ug/ml	90
25) 2,4-Dimethylphenol	8.650	107	94908	50.13	ug/ml	97
26) Hexachlorobutadiene	9.391	225	64519	49.05	ug/ml	96
27) Isophorone	8.404	82	166495	47.97	ug/ml	99
28) 2-Methylnapthalene	10.113	142	207541	51.24	ug/ml	96
29) Naphthalene	9.079	128	295928	50.20	ug/ml	99
30) Nitrobenzene	8.045	77	102800	50.06	ug/ml	96
32) 2-Nitrophenol	8.521	139	54988	48.68	ug/ml	90
33) Azobenzene	12.752	77	206626	49.79	ug/ml	85
34) 1,2,4-Trichlorobenzene	9.003	180	107475	50.79	ug/ml	98
36) 2-Chloronaphthalene	10.824	162	200935m	48.29	ug/ml	
37) Acenaphthene	11.735	153	208000	52.60	ug/ml	99

Quantitation Report (QT Reviewed)

Data File : C:\msdchem\1\DATA\111128\S60035.D Vial: 5
Acq On : 28 Nov 2011 10:15 am Operator: G.J.Brien
Sample : 8270 Cal L-3 50ppm Inst : 73SVOAV2
Misc : 11183

Quant Time: Nov 28 10:39:56 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 10:00:26 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M

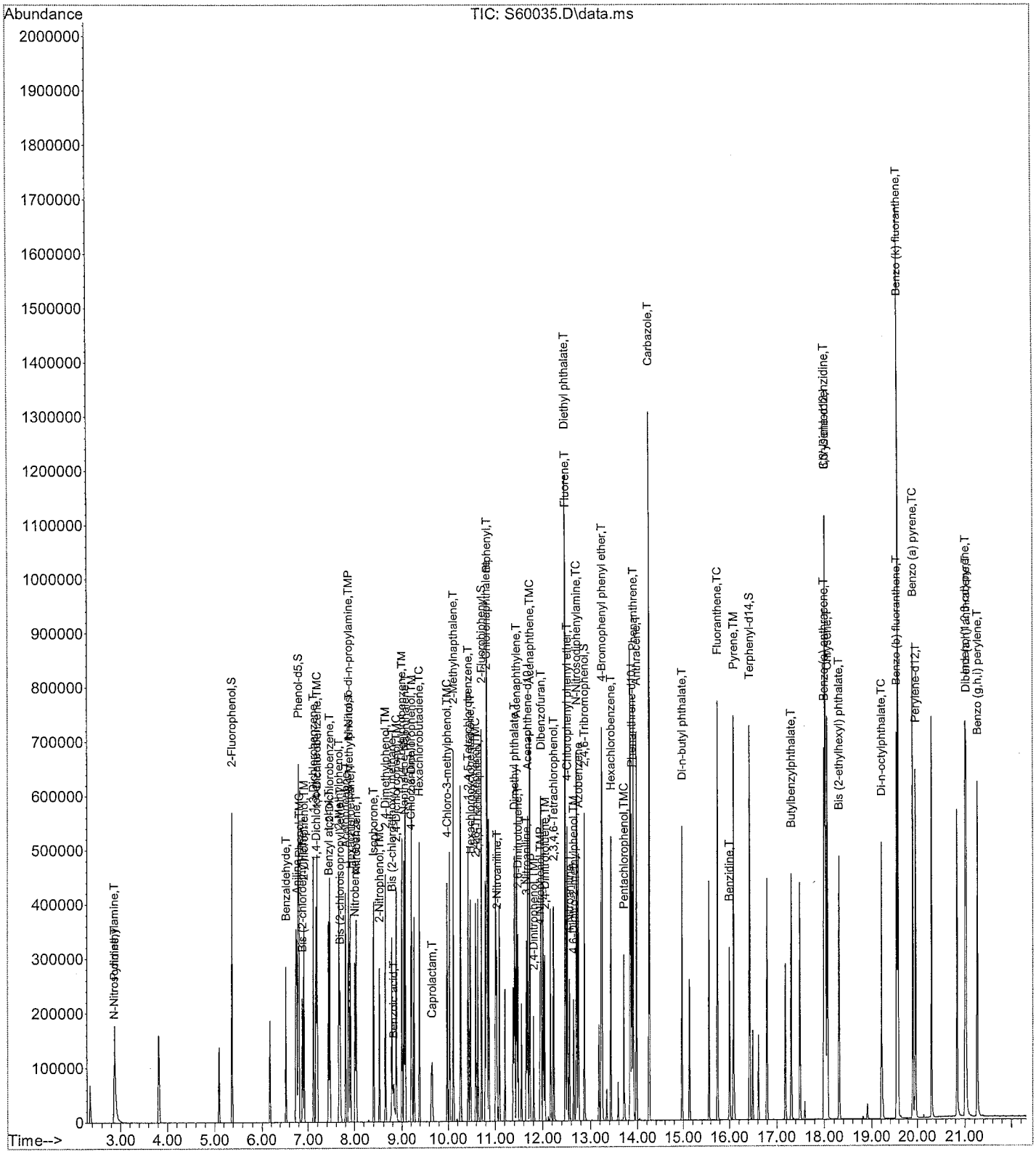
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) Acenaphthylene	11.447	152	319721	51.80	ug/ml	99
39) 4-Chlorophenyl phenyl ...	12.522	204	116670	49.96	ug/ml	97
40) Dibenzofuran	11.970	168	288669	50.86	ug/ml#	74
41) Diethyl phthalate	12.481	149	222855	48.69	ug/ml	99
42) Dimethyl phthalate	11.406	163	232385	49.81	ug/ml	98
43) 2,4-Dinitrophenol	11.811	184	28560	47.77	ug/ml	87
44) 2,4-Dinitrotoluene	12.052	165	67625	48.88	ug/ml	92
45) 2,6-Dinitrotoluene	11.477	165	52086	49.79	ug/ml	96
46) Fluorene	12.487	166	244288	50.97	ug/ml	96
48) Hexachlorocyclopentadiene	10.478	237	71544	48.96	ug/ml	99
49) 2-Nitroaniline	11.042	138	62078	48.24	ug/ml#	82
50) 3-Nitroaniline	11.659	138	54126	49.01	ug/ml	96
51) 4-Nitroaniline	12.569	138	51561	48.60	ug/ml	87
52) 4-Nitrophenol	11.952	65	38908	43.20	ug/ml#	1
54) 2,4,6-Trichlorophenol	10.589	196	63516	47.11	ug/ml	100
55) 2,4,5-Trichlorophenol	10.642	196	70491	47.22	ug/ml	96
57) 4-Bromophenyl phenyl e...	13.245	248	75978	52.38	ug/ml	94
58) Di-n-butyl phthalate	14.978	149	348549	43.89	ug/ml	100
59) 4,6-Dinitro-2-methylph...	12.652	198	39251	46.59	ug/ml	96
60) Fluoranthene	15.754	202	375250	49.02	ug/ml	98
61) Hexachlorobenzene	13.439	284	82437	54.24	ug/ml	91
62) N-Nitrosodiphenylamine	12.710	169	198730	48.48	ug/ml	99
63) Pentachlorophenol	13.715	266	43782	45.81	ug/ml	95
64) Anthracene	13.980	178	344277	48.71	ug/ml	99
65) Phenanthrene	13.915	178	341826	49.63	ug/ml	99
67) Benzidine	16.007	184	145964	47.06	ug/ml	99
68) Benzo (a) anthracene	18.004	228	353472	46.48	ug/ml	99
69) Bis (2-ethylhexyl) pht...	18.310	149	195338	39.73	ug/ml	96
70) Butylbenzylphthalate	17.311	149	144204	39.74	ug/ml	98
71) Chrysene	18.069	228	352034	47.87	ug/ml	99
72) 3,3'-Dichlorobenzidine	18.028	252	131624	48.93	ug/ml	98
73) Pyrene	16.095	202	396382	46.68	ug/ml	97
76) Benzo (b) fluoranthene	19.550	252	370421	48.09	ug/ml	99
77) Benzo (k) fluoranthene	19.585	252	389093	50.60	ug/ml	99
78) Benzo (g,h,i) perylene	21.271	276	314617	47.99	ug/ml	98
79) Benzo (a) pyrene	19.908	252	336704	47.78	ug/ml	98
80) Dibenz (a,h) anthracene	21.030	278	314684	50.97	ug/ml	97
81) Di-n-octylphthalate	19.215	149	305899	37.58	ug/ml	99
82) Indeno (1,2,3-cd) pyrene	21.013	138	119573	49.90	ug/ml#	90
83) Pyridine	2.869	79	88019	53.19	ug/ml	93
84) Biphenyl	10.836	154	253389	44.33	ug/ml	97
85) Acetophenone	7.810	105	129536	42.09	ug/ml	90
87) Caprolactam	9.661	55	35591	30.88	ug/ml#	84
88) Carbazole	14.256	167	641060	45.37	ug/ml	99
89) Benzaldehyde	6.535	77	60960	42.69	ug/ml	98
90) 1,2,4,5-Tetrachloroben...	10.431	216	111600	47.11	ug/ml	97
91) 2,3,4,6-Tetrachlorophenol	12.235	232	58485m	46.39	ug/ml	

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

Quantitation Report (QT Reviewed)

Data File : C:\msdchem\1\DATA\111128\S60035.D Vial: 5
Acq On : 28 Nov 2011 10:15 am Operator: G.J.Brien
Sample : 8270 Cal L-3 50ppm Inst : 73SVOAV2
Misc : 11183

Quant Time: Nov 28 10:39:56 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 10:00:26 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M



Quantitation Report (QT Reviewed)

Data File : C:\msdchem\1\DATA\111128\S60036.D Vial: 6
Acq On : 28 Nov 2011 10:46 am Operator: G.J.Brien
Sample : 8270 Cal L-4 100ppm Inst : 73SVOAV2
Misc : 11184

Quant Time: Nov 28 11:41:19 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 10:40:10 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.176	152	72981	40.00	ug/ml	0.00
17) Napthalene-d8	9.050	136	241904	40.00	ug/ml	0.00
35) Acenaphthene-d10	11.688	164	156212	40.00	ug/ml	0.00
56) Phenanthrene-d10	13.886	188	259875	40.00	ug/ml	0.00
66) Chrysene-d12	18.034	240	292271	40.00	ug/ml	0.00
75) Perylene-d12	19.973	264	251292	40.00	ug/ml	0.00
System Monitoring Compounds						
9) 2-Fluorophenol	5.389	112	402523	184.41	ug/ml	0.00
Spiked Amount 100.000	Range 0 - 110		Recovery = 184.41%#			
16) Phenol-d5	6.811	99	497624	195.06	ug/ml	0.01
Spiked Amount 100.000	Range 0 - 104		Recovery = 195.06%#			
31) Nitrobenzene-d5	8.028	82	221977	97.36	ug/ml	0.01
Spiked Amount 50.000	Range 44 - 101		Recovery = 194.72%#			
47) 2-Fluorobiphenyl	10.725	172	528716	103.70	ug/ml	0.00
Spiked Amount 50.000	Range 37 - 91		Recovery = 207.40%#			
53) 2,4,6-Tribromophenol	12.881	330	151798	223.99	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 143		Recovery = 223.99%#			
74) Terphenyl-d14	16.436	244	604914	100.48	ug/ml	0.00
Spiked Amount 50.000	Range 56 - 112		Recovery = 200.96%#			
Target Compounds						Qvalue
2) Benzyl alcohol	7.446	108	128925	102.83	ug/ml	97
3) Bis (2-chloroethyl) ether	6.888	93	177807m(S)	88.90	ug/ml	
4) Bis (2-chloroisopropyl...	7.693	45	252175	58.43	ug/ml	95
5) 2-Chlorophenol	6.923	128	212027	91.64	ug/ml	96
6) 1,3-Dichlorobenzene	7.123	146	256485	96.07	ug/ml	97
7) 1,4-Dichlorobenzene	7.199	146	256575	96.55	ug/ml	98
8) 1,2-Dichlorobenzene	7.469	146	242925	95.47	ug/ml	96
10) Hexachloroethane	7.922	117	97471	90.02	ug/ml	92
11) 2-Methylphenol	7.675	108	184839	96.07	ug/ml	97
12) 3&4-Methylphenol	7.892	108	201550	97.71	ug/ml	97
13) N-Nitrosodimethylamine	2.863	74	112626	101.32	ug/ml#	60
14) N-Nitroso-di-n-propyla...	7.892	70	135932	96.35	ug/ml#	63
15) Phenol	6.829	94	258954	101.05	ug/ml#	78
18) Aniline	6.805	93	266269m(S)	93.66	ug/ml	
19) Benzoic acid	8.868	122	122352	84.71	ug/ml#	100
20) Bis (2-chloroethoxy) m...	8.791	93	224496	99.48	ug/ml	98
21) 4-Chloroaniline	9.220	127	259464	99.35	ug/ml	96
22) 4-Chloro-3-methylphenol	9.990	107	176352	99.75	ug/ml	99
23) 2,4-Dichlorophenol	8.885	162	193023	102.20	ug/ml	99
24) 2,6-Dichlorophenol	9.226	162	194832	100.98	ug/ml	89
25) 2,4-Dimethylphenol	8.656	107	200757	101.16	ug/ml	97
26) Hexachlorobutadiene	9.397	225	137386	99.65	ug/ml	97
27) Isophorone	8.415	82	359834	98.91	ug/ml	98
28) 2-Methylnapthalene	10.113	142	435776	102.64	ug/ml	96
29) Naphthalene	9.079	128	624052	101.00	ug/ml	99
30) Nitrobenzene	8.051	77	219027	101.76	ug/ml	97
32) 2-Nitrophenol	8.527	139	120592	101.84	ug/ml	90
33) Azobenzene	12.757	77	439758	101.09	ug/ml	84
34) 1,2,4-Trichlorobenzene	9.009	180	230502	103.92	ug/ml	97
36) 2-Chloronaphthalene	10.830	162	423268m(S)	97.18	ug/ml	
37) Acenaphthene	11.741	153	436744	105.52	ug/ml	98

Quantitation Report (QT Reviewed)

Data File : C:\msdchem\1\DATA\111128\S60036.D Vial: 6
Acq On : 28 Nov 2011 10:46 am Operator: G.J.Brien
Sample : 8270 Cal L-4 100ppm Inst : 73SVOAV2
Misc : 11184

Quant Time: Nov 28 11:41:19 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 10:40:10 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
38) Acenaphthylene	11.453	152	668274	103.45 ug/ml	99
39) 4-Chlorophenyl phenyl ...	12.528	204	248552	101.68 ug/ml	97
40) Dibenzofuran	11.976	168	611548	102.93 ug/ml#	73
41) Diethyl phthalate	12.493	149	482234	100.65 ug/ml	98
42) Dimethyl phthalate	11.412	163	488519	100.03 ug/ml	99
43) 2,4-Dinitrophenol	11.823	184	71166	100.62 ug/ml	88
44) 2,4-Dinitrotoluene	12.058	165	149075	102.94 ug/ml	91
45) 2,6-Dinitrotoluene	11.488	165	112152	102.43 ug/ml	95
46) Fluorene	12.493	166	523902	104.43 ug/ml	96
48) Hexachlorocyclopentadiene	10.478	237	155086	101.39 ug/ml	98
49) 2-Nitroaniline	11.048	138	136530	101.36 ug/ml#	84
50) 3-Nitroaniline	11.670	138	118458	102.48 ug/ml	95
51) 4-Nitroaniline	12.593	138	112028	100.89 ug/ml	87
52) 4-Nitrophenol	11.964	65	88457	93.83 ug/ml#	1
54) 2,4,6-Trichlorophenol	10.595	196	135701	96.16 ug/ml	98
55) 2,4,5-Trichlorophenol	10.648	196	153834	98.46 ug/ml	96
57) 4-Bromophenyl phenyl e...	13.251	248	158016	107.13 ug/ml	94
58) Di-n-butyl phthalate	14.984	149	765677	94.80 ug/ml	99
59) 4,6-Dinitro-2-methylph...	12.663	198	94167	98.71 ug/ml	95
60) Fluoranthene	15.760	202	798466	102.57 ug/ml	97
61) Hexachlorobenzene	13.445	284	175160	113.32 ug/ml	92
62) N-Nitrosodiphenylamine	12.722	169	423266	101.53 ug/ml	99
63) Pentachlorophenol	13.721	266	102556	105.53 ug/ml	95
64) Anthracene	13.991	178	725242	100.90 ug/ml	99
65) Phenanthrene	13.921	178	701793	100.19 ug/ml	99
67) Benzidine	16.013	184	394691	160.70 ug/ml	97
68) Benzo (a) anthracene	18.010	228	775011	96.27 ug/ml	99
69) Bis (2-ethylhexyl) pht...	18.316	149	447896	86.05 ug/ml	97
70) Butylbenzylphthalate	17.311	149	328824	85.60 ug/ml	98
71) Chrysene	18.075	228	739268	94.97 ug/ml	99
72) 3,3'-Dichlorobenzidine	18.034	252	283142	99.44 ug/ml	98
73) Pyrene	16.101	202	822405	91.50 ug/ml	97
76) Benzo (b) fluoranthene	19.561	252	783775	98.28 ug/ml	99
77) Benzo (k) fluoranthene	19.591	252	848222	106.54 ug/ml	98
78) Benzo (g,h,i) perylene	21.283	276	694177	102.28 ug/ml	97
79) Benzo (a) pyrene	19.914	252	753608	103.29 ug/ml	98
80) Dibenz (a,h) anthracene	21.036	278	696952	109.04 ug/ml	98
81) Di-n-octylphthalate	19.221	149	734142	87.10 ug/ml	99
82) Indeno (1,2,3-cd) pyrene	21.019	138	277753	111.96 ug/ml#	84
83) Pyridine	2.869	79	192139	100.85 ug/ml	93
84) Biphenyl	10.842	154	541103	91.43 ug/ml	97
85) Acetophenone	7.816	105	276001	86.61 ug/ml	91
86) Atrazine	13.598	200	1068m	Below Cal	
87) Caprolactam	9.720	55	79919	66.97 ug/ml#	85
88) Carbazole	14.267	167	1322320	90.39 ug/ml	98
89) Benzaldehyde	6.535	77	100604	77.45 ug/ml	98
90) 1,2,4,5-Tetrachloroben...	10.431	216	234239	95.51 ug/ml	98
91) 2,3,4,6-Tetrachlorophenol	12.240	232	127712	97.85 ug/ml	96

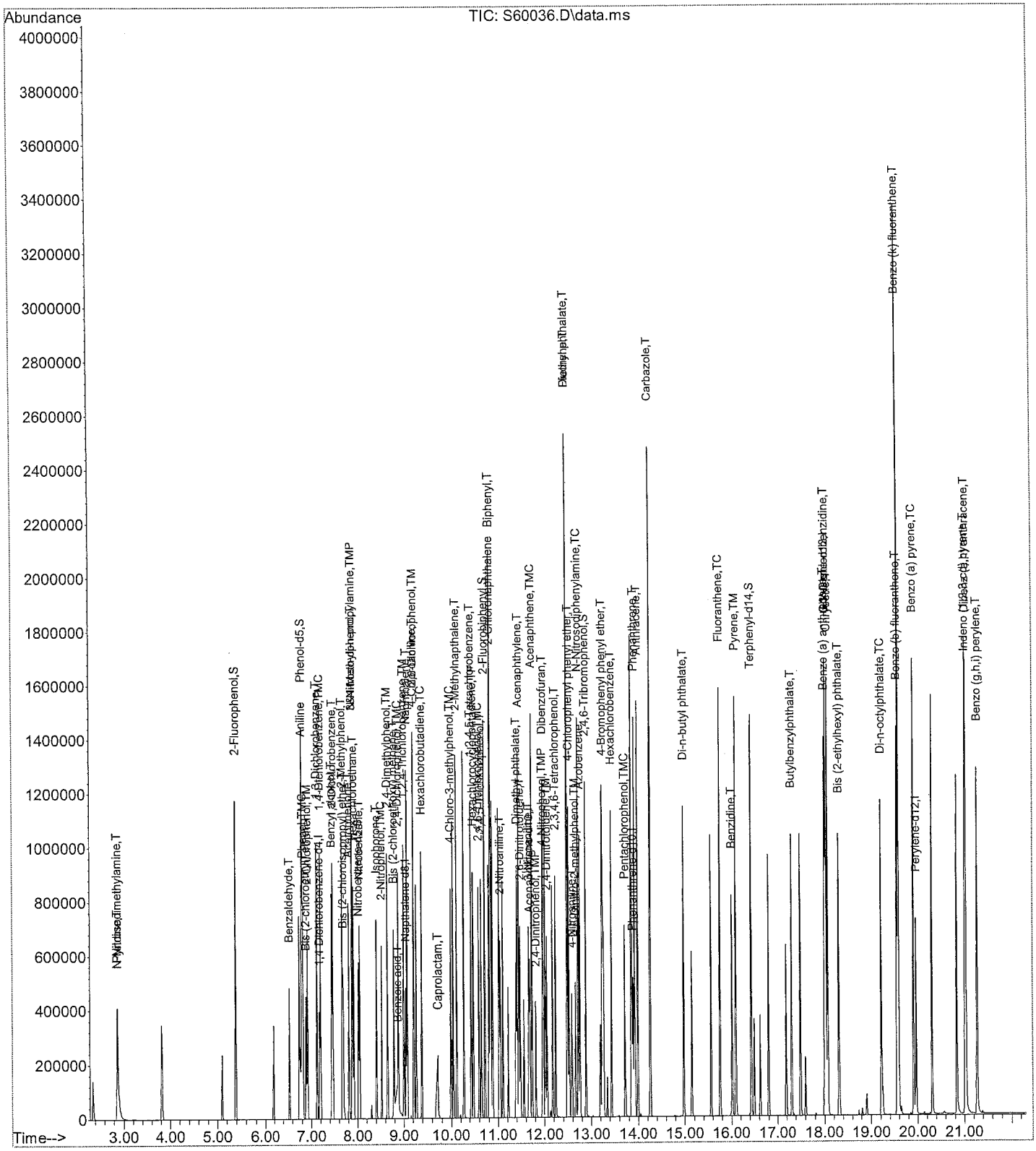
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\msdchem\1\DATA\111128\S60036.D
Acq On : 28 Nov 2011 10:46 am
Sample : 8270 Cal L-4 100ppm
Misc : 11184

Vial: 6
Operator: G.J.Brien
Inst : 73SVOAV2

Quant Time: Nov 28 11:41:19 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 10:40:10 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M



Quantitation Report (QT Reviewed)

Data File : C:\msdchem\1\DATA\111128\S60037.D Vial: 7
Acq On : 28 Nov 2011 11:17 am Operator: G.J.Brien
Sample : 8270 Cal L-5 150ppm Inst : 73SVOAV2
Misc : 11185

Quant Time: Nov 28 11:47:27 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 10:40:10 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.182	152	66892	40.00	ug/ml	0.00
17) Napthalene-d8	9.056	136	226620	40.00	ug/ml	0.00
35) Acenaphthene-d10	11.694	164	146299	40.00	ug/ml	0.00
56) Phenanthrene-d10	13.886	188	244144	40.00	ug/ml	0.00
66) Chrysene-d12	18.034	240	280603	40.00	ug/ml	0.00
75) Perylene-d12	19.979	264	236600	40.00	ug/ml	0.01
System Monitoring Compounds						
9) 2-Fluorophenol	5.390	112	579268	289.55	ug/ml	0.00
Spiked Amount 100.000	Range 0 - 110		Recovery = 289.55%#			
16) Phenol-d5	6.817	99	706690	302.23	ug/ml	0.02
Spiked Amount 100.000	Range 0 - 104		Recovery = 302.23%#			
31) Nitrobenzene-d5	8.028	82	315001	147.48	ug/ml	0.01
Spiked Amount 50.000	Range 44 - 101		Recovery = 294.96%#			
47) 2-Fluorobiphenyl	10.725	172	743969	155.80	ug/ml	0.00
Spiked Amount 50.000	Range 37 - 91		Recovery = 311.60%#			
53) 2,4,6-Tribromophenol	12.887	330	226048	356.15	ug/ml	0.01
Spiked Amount 100.000	Range 10 - 143		Recovery = 356.15%#			
74) Terphenyl-d14	16.436	244	849106	146.91	ug/ml	0.00
Spiked Amount 50.000	Range 56 - 112		Recovery = 293.82%#			
Target Compounds						Qvalue
2) Benzyl alcohol	7.452	108	187872	163.48	ug/ml	98
3) Bis (2-chloroethyl) ether	6.894	93	274581m	149.78	ug/ml	
4) Bis (2-chloroisopropyl...	7.693	45	363481	91.88	ug/ml	97
5) 2-Chlorophenol	6.923	128	300997	141.94	ug/ml	97
6) 1,3-Dichlorobenzene	7.123	146	360078	147.15	ug/ml	97
7) 1,4-Dichlorobenzene	7.205	146	363316	149.16	ug/ml	98
8) 1,2-Dichlorobenzene	7.470	146	342218	146.74	ug/ml	96
10) Hexachloroethane	7.922	117	137238	138.28	ug/ml	92
11) 2-Methylphenol	7.681	108	266774	151.28	ug/ml	98
12) 3&4-Methylphenol	7.898	108	287970	152.31	ug/ml	96
13) N-Nitrosodimethylamine	2.869	74	161505	158.52	ug/ml#	59
14) N-Nitroso-di-n-propyla...	7.898	70	197396	152.65	ug/ml#	61
15) Phenol	6.835	94	369806	157.45	ug/ml#	72
18) Aniline	6.829	93	355522m	133.48	ug/ml	
19) Benzoic acid	8.891	122	194190m	137.50	ug/ml	
20) Bis (2-chloroethoxy) m...	8.797	93	320481	151.58	ug/ml	98
21) 4-Chloroaniline	9.226	127	367354	150.14	ug/ml	96
22) 4-Chloro-3-methylphenol	9.996	107	252397	152.39	ug/ml	99
23) 2,4-Dichlorophenol	8.891	162	276111	156.05	ug/ml	99
24) 2,6-Dichlorophenol	9.232	162	282372	156.22	ug/ml	89
25) 2,4-Dimethylphenol	8.662	107	281541	151.43	ug/ml	98
26) Hexachlorobutadiene	9.397	225	194044	150.23	ug/ml	96
27) Isophorone	8.421	82	502559	147.46	ug/ml	99
28) 2-Methylnapthalene	10.119	142	620688	156.06	ug/ml	96
29) Naphthalene	9.085	128	877027	151.51	ug/ml	99
30) Nitrobenzene	8.057	77	310495	153.98	ug/ml	97
32) 2-Nitrophenol	8.533	139	174701	157.48	ug/ml	90
33) Azobenzene	12.763	77	627627	154.00	ug/ml	84
34) 1,2,4-Trichlorobenzene	9.009	180	323878	155.86	ug/ml	97
36) 2-Chloronaphthalene	10.836	162	580730m	142.37	ug/ml	
37) Acenaphthene	11.741	153	622098	160.48	ug/ml	98

Quantitation Report (QT Reviewed)

Data File : C:\msdchem\1\DATA\111128\S60037.D Vial: 7
Acq On : 28 Nov 2011 11:17 am Operator: G.J.Brien
Sample : 8270 Cal L-5 150ppm Inst : 73SVOAV2
Misc : 11185

Quant Time: Nov 28 11:47:27 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 10:40:10 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M

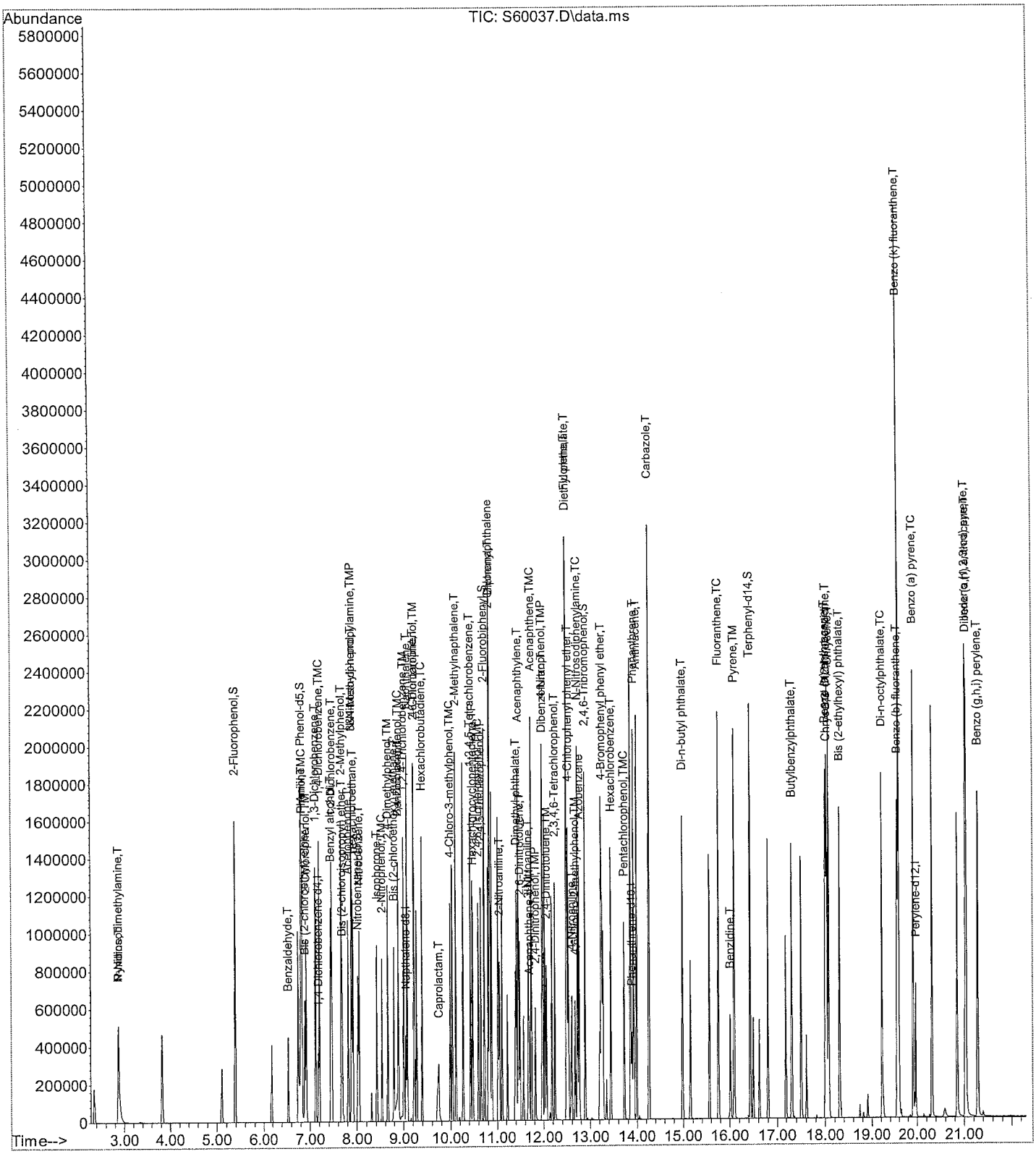
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) Acenaphthylene	11.459	152	936983	154.87	ug/ml	99
39) 4-Chlorophenyl phenyl ...	12.528	204	350446	153.07	ug/ml	98
40) Dibenzofuran	11.982	168	865870	155.62	ug/ml#	71
41) Diethyl phthalate	12.499	149	686311	152.95	ug/ml	98
42) Dimethyl phthalate	11.418	163	685722	149.93	ug/ml	100
43) 2,4-Dinitrophenol	11.829	184	107234	152.38	ug/ml	86
44) 2,4-Dinitrotoluene	12.064	165	209973	154.82	ug/ml	93
45) 2,6-Dinitrotoluene	11.494	165	158798	154.86	ug/ml	95
46) Fluorene	12.493	166	740715	157.66	ug/ml	97
48) Hexachlorocyclopentadiene	10.484	237	220458	153.89	ug/ml	97
49) 2-Nitroaniline	11.054	138	193891	153.69	ug/ml#	85
50) 3-Nitroaniline	11.676	138	167056	154.31	ug/ml	96
51) 4-Nitroaniline	12.605	138	161030	154.84	ug/ml	88
52) 4-Nitrophenol	11.976	65	127775	144.73	ug/ml#	1
54) 2,4,6-Trichlorophenol	10.601	196	196272	148.51	ug/ml	99
55) 2,4,5-Trichlorophenol	10.654	196	221066	151.07	ug/ml	97
57) 4-Bromophenyl phenyl e...	13.251	248	230453	166.31	ug/ml	93
58) Di-n-butyl phthalate	14.984	149	1094945	144.31	ug/ml	98
59) 4,6-Dinitro-2-methylph...	12.675	198	137321	145.49	ug/ml	95
60) Fluoranthene	15.766	202	1119791	153.12	ug/ml	97
61) Hexachlorobenzene	13.451	284	248813	171.34	ug/ml	92
62) N-Nitrosodiphenylamine	12.728	169	592166	151.20	ug/ml	98
63) Pentachlorophenol	13.721	266	153498	168.12	ug/ml	98
64) Anthracene	13.997	178	1010142	149.60	ug/ml	98
65) Phenanthrene	13.927	178	993412	150.96	ug/ml	99
67) Benzidine	16.013	184	316932	122.17	ug/ml	97
68) Benzo (a) anthracene	18.016	228	1095063	141.68	ug/ml	99
69) Bis (2-ethylhexyl) pht...	18.316	149	658231	131.72	ug/ml	97
70) Butylbenzylphthalate	17.317	149	476675	129.25	ug/ml	98
71) Chrysene	18.081	228	1038630	138.98	ug/ml	98
72) 3,3'-Dichlorobenzidine	18.040	252	393008	143.76	ug/ml	98
73) Pyrene	16.107	202	1151171	133.41	ug/ml	97
76) Benzo (b) fluoranthene	19.567	252	1253189	166.90	ug/ml	95
77) Benzo (k) fluoranthene	19.603	252	1064626m	142.03	ug/ml	
78) Benzo (g,h,i) perylene	21.295	276	1004999	157.26	ug/ml	97
79) Benzo (a) pyrene	19.926	252	1075983	156.63	ug/ml	97
80) Dibenz (a,h) anthracene	21.054	278	1029514	171.08	ug/ml	96
81) Di-n-octylphthalate	19.221	149	1075697	135.55	ug/ml	98
82) Indeno (1,2,3-cd) pyrene	21.036	138	412207	176.48	ug/ml#	83
83) Pyridine	2.875	79	260927	138.45	ug/ml	92
84) Biphenyl	10.848	154	768367	137.89	ug/ml	96
85) Acetophenone	7.822	105	390564	130.17	ug/ml	91
87) Caprolactam	9.743	55	114880	102.24	ug/ml#	85
88) Carbazole	14.273	167	1862096	135.20	ug/ml	98
89) Benzaldehyde	6.535	77	104717	91.06	ug/ml	97
90) 1,2,4,5-Tetrachloroben...	10.437	216	335999	145.52	ug/ml	97
91) 2,3,4,6-Tetrachlorophenol	12.246	232	188358	153.27	ug/ml	94

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

Quantitation Report (QT Reviewed)

Data File : C:\msdchem\1\DATA\111128\S60037.D Vial: 7
Acq On : 28 Nov 2011 11:17 am Operator: G.J.Brien
Sample : 8270 Cal L-5 150ppm Inst : 73SVOAV2
Misc : 11185

Quant Time: Nov 28 11:47:27 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 10:40:10 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M



Quantitation Report (QT Reviewed)

Data File : C:\msdchem\1\DATA\111128\S60038.D Vial: 8
Acq On : 28 Nov 2011 11:48 am Operator: G.J.Brien
Sample : 8270 Cal L-6 200ppm Inst : 73SVOAV2
Misc : 11186

Quant Time: Nov 28 12:17:54 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 10:40:10 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.182	152	60790	40.00	ug/ml	0.00
17) Napthalene-d8	9.056	136	206569	40.00	ug/ml	0.00
35) Acenaphthene-d10	11.694	164	135659	40.00	ug/ml	0.00
56) Phenanthrene-d10	13.892	188	224722	40.00	ug/ml	0.01
66) Chrysene-d12	18.040	240	260505	40.00	ug/ml	0.01
75) Perylene-d12	19.979	264	216819	40.00	ug/ml	0.01
System Monitoring Compounds						
9) 2-Fluorophenol	5.395	112	733349	403.36	ug/ml	0.01
Spiked Amount 100.000	Range 0 - 110		Recovery = 403.36%#			
16) Phenol-d5	6.823	99	898962	423.05	ug/ml	0.02
Spiked Amount 100.000	Range 0 - 104		Recovery = 423.05%#			
31) Nitrobenzene-d5	8.034	82	400532	205.73	ug/ml	0.02
Spiked Amount 50.000	Range 44 - 101		Recovery = 411.46%#			
47) 2-Fluorobiphenyl	10.730	172	932013	210.49	ug/ml	0.01
Spiked Amount 50.000	Range 37 - 91		Recovery = 420.98%#			
53) 2,4,6-Tribromophenol	12.893	330	290761	494.03	ug/ml	0.02
Spiked Amount 100.000	Range 10 - 143		Recovery = 494.03%#			
74) Terphenyl-d14	16.442	244	1075590	200.46	ug/ml	0.01
Spiked Amount 50.000	Range 56 - 112		Recovery = 400.92%#			
Target Compounds						Qvalue
2) Benzyl alcohol	7.458	108	239567	229.39	ug/ml	98
3) Bis (2-chloroethyl) ether	6.894	93	342583m	205.64	ug/ml	
4) Bis (2-chloroisopropyl...	7.699	45	467209	129.95	ug/ml	99
5) 2-Chlorophenol	6.929	128	378943	196.64	ug/ml	99
6) 1,3-Dichlorobenzene	7.129	146	454087	204.20	ug/ml	97
7) 1,4-Dichlorobenzene	7.205	146	456548	206.25	ug/ml	98
8) 1,2-Dichlorobenzene	7.470	146	434414	204.96	ug/ml	97
10) Hexachloroethane	7.922	117	176104	195.26	ug/ml	91
11) 2-Methylphenol	7.681	108	346396	216.15	ug/ml	98
12) 3&4-Methylphenol	7.904	108	369860	215.26	ug/ml	96
13) N-Nitrosodimethylamine	2.875	74	204100	220.44	ug/ml#	59
14) N-Nitroso-di-n-propyla...	7.904	70	255318	217.25	ug/ml#	61
15) Phenol	6.841	94	471687	220.98	ug/ml#	57
18) Aniline	6.806	93	411409m	169.46	ug/ml	
19) Benzoic acid	8.927	122	257052m	195.75	ug/ml	
20) Bis (2-chloroethoxy) m...	8.797	93	409116	212.29	ug/ml	98
21) 4-Chloroaniline	9.226	127	455483	204.23	ug/ml	96
22) 4-Chloro-3-methylphenol	9.996	107	321433	212.91	ug/ml	100
23) 2,4-Dichlorophenol	8.897	162	350491	217.32	ug/ml	98
24) 2,6-Dichlorophenol	9.232	162	354265	215.02	ug/ml	89
25) 2,4-Dimethylphenol	8.662	107	361015	213.03	ug/ml	98
26) Hexachlorobutadiene	9.397	225	244742	207.88	ug/ml	96
27) Isophorone	8.427	82	637190	205.11	ug/ml	99
28) 2-Methylnapthalene	10.119	142	780470	215.28	ug/ml	97
29) Naphthalene	9.085	128	1103915	209.22	ug/ml	99
30) Nitrobenzene	8.063	77	388921	211.59	ug/ml	97
32) 2-Nitrophenol	8.533	139	223521	221.05	ug/ml	90
33) Azobenzene	12.763	77	871864	234.70	ug/ml#	74
34) 1,2,4-Trichlorobenzene	9.009	180	412996	218.04	ug/ml	96
36) 2-Chloronaphthalene	10.836	162	743442m	196.55	ug/ml	
37) Acenaphthene	11.747	153	779273	216.80	ug/ml	98

Quantitation Report (QT Reviewed)

Data File : C:\msdchem\1\DATA\111128\S60038.D Vial: 8
Acq On : 28 Nov 2011 11:48 am Operator: G.J.Brien
Sample : 8270 Cal L-6 200ppm Inst : 73SVOAV2
Misc : 11186

Quant Time: Nov 28 12:17:54 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 10:40:10 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M

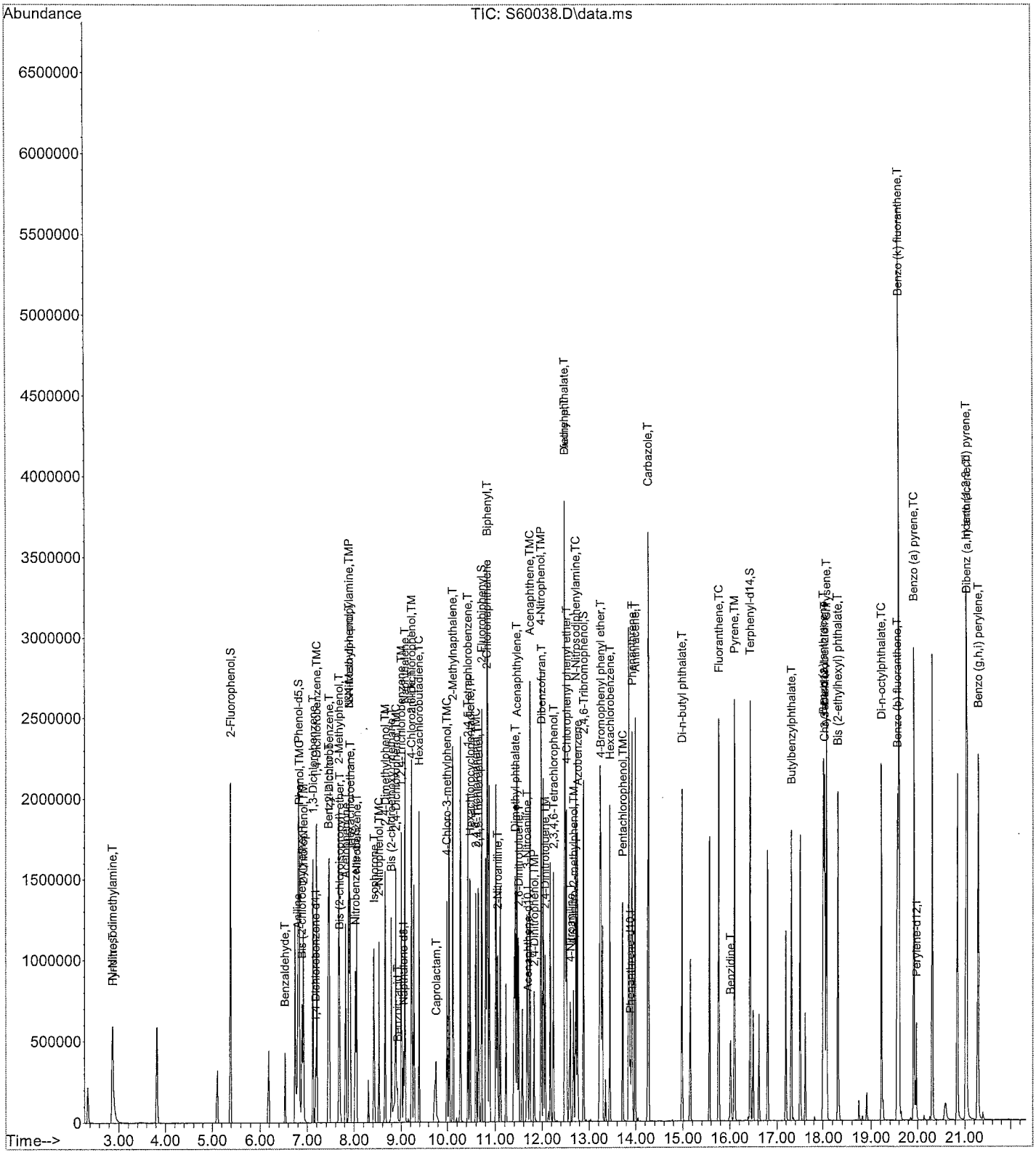
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) Acenaphthylene	11.459	152	1183835	211.02	ug/ml	99
39) 4-Chlorophenyl phenyl ...	12.534	204	444744	209.50	ug/ml	97
40) Dibenzofuran	11.988	168	1099952	213.19	ug/ml#	72
41) Diethyl phthalate	12.499	149	866619	208.29	ug/ml	98
42) Dimethyl phthalate	11.424	163	870880	205.35	ug/ml	100
43) 2,4-Dinitrophenol	11.835	184	140690	205.54	ug/ml	87
44) 2,4-Dinitrotoluene	12.070	165	264326	210.18	ug/ml	93
45) 2,6-Dinitrotoluene	11.500	165	203266	213.77	ug/ml	97
46) Fluorene	12.499	166	931592	213.84	ug/ml	97
48) Hexachlorocyclopentadiene	10.484	237	272976	205.50	ug/ml	97
49) 2-Nitroaniline	11.060	138	249964	213.68	ug/ml#	83
50) 3-Nitroaniline	11.682	138	211868	211.06	ug/ml	96
51) 4-Nitroaniline	12.617	138	201493	208.95	ug/ml	88
52) 4-Nitrophenol	11.982	65	165577	202.25	ug/ml#	1
54) 2,4,6-Trichlorophenol	10.601	196	251190	204.97	ug/ml	100
55) 2,4,5-Trichlorophenol	10.660	196	279961	206.33	ug/ml	98
57) 4-Bromophenyl phenyl e...	13.251	248	288697	226.35	ug/ml	93
58) Di-n-butyl phthalate	14.990	149	1371291	196.35	ug/ml	99
59) 4,6-Dinitro-2-methylph...	12.681	198	177325	195.37	ug/ml	95
60) Fluoranthene	15.772	202	1390454	206.56	ug/ml	96
61) Hexachlorobenzene	13.451	284	317013	237.17	ug/ml	92
62) N-Nitrosodiphenylamine	12.734	169	747520	207.37	ug/ml	99
63) Pentachlorophenol	13.727	266	203672	242.35	ug/ml	97
64) Anthracene	14.003	178	1269922	204.32	ug/ml	97
65) Phenanthrene	13.933	178	1246418	205.78	ug/ml	99
67) Benzidine	16.018	184	328562	143.88	ug/ml	97
68) Benzo (a) anthracene	18.016	228	1375786	191.74	ug/ml	99
69) Bis (2-ethylhexyl) pht...	18.316	149	836247	180.26	ug/ml	98
70) Butylbenzylphthalate	17.317	149	604879	176.66	ug/ml	98
71) Chrysene	18.087	228	1309332	188.71	ug/ml	98
72) 3,3'-Dichlorobenzidine	18.046	252	479141	188.79	ug/ml	99
73) Pyrene	16.107	202	1433091	178.89	ug/ml	96
76) Benzo (b) fluoranthene	19.573	252	1458755m	212.01	ug/ml	
77) Benzo (k) fluoranthene	19.608	252	1467790m	213.68	ug/ml	
78) Benzo (g,h,i) perylene	21.295	276	1289623	220.21	ug/ml	96
79) Benzo (a) pyrene	19.926	252	1357758	215.67	ug/ml	97
80) Dibenz (a,h) anthracene	21.048	278	1327624	240.74	ug/ml	96
81) Di-n-octylphthalate	19.227	149	1378946	189.62	ug/ml	98
82) Indeno (1,2,3-cd) pyrene	21.036	138	538837	251.74	ug/ml#	81
83) Pyridine	2.881	79	329259	182.07	ug/ml	92
84) Biphenyl	10.848	154	966734	189.32	ug/ml	96
85) Acetophenone	7.828	105	494245m	179.76	ug/ml	
87) Caprolactam	9.767	55	144501m	140.34	ug/ml	
88) Carbazole	14.279	167	2324794	184.19	ug/ml	97
89) Benzaldehyde	6.535	77	102982	104.31	ug/ml	96
90) 1,2,4,5-Tetrachloroben...	10.437	216	417229	197.18	ug/ml	98
91) 2,3,4,6-Tetrachlorophenol	12.252	232	235216	208.86	ug/ml	96

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

Quantitation Report (QT Reviewed)

Data File : C:\msdchem\1\DATA\111128\S60038.D Vial: 8
Acq On : 28 Nov 2011 11:48 am Operator: G.J.Brien
Sample : 8270 Cal L-6 200ppm Inst : 73SVOAV2
Misc : 11186

Quant Time: Nov 28 12:17:54 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Mon Nov 28 10:40:10 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M



Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\111205\S60154.D Vial: 3
Acq On : 5 Dec 2011 11:12 am Operator: G.J.Brien
Sample : 8270 CCal 50ppm Inst : 73SVOAV2
Misc : 11187B

Quant Time: Dec 05 11:35:40 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Thu Dec 01 10:59:00 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
2	T	Benzyl alcohol	0.677	0.817	-20.7	121	0.00
3	T	Bis (2-chloroethyl) ether	1.007	1.090	-8.2	116	0.00
4	T	Bis (2-chloroisopropyl) eth	1.403	1.877	-33.8#	140	0.00
5	TM	2-Chlorophenol	1.153	1.279	-10.9	112	0.00
6	T	1,3-Dichlorobenzene	1.417	1.463	-3.2	107	0.00
7	TMC	1,4-Dichlorobenzene	1.414	1.475	-4.3	108	0.00
8	T	1,2-Dichlorobenzene	1.347	1.374	-2.0	106	0.00
9	S	2-Fluorophenol	1.099	1.238	-12.6	116	0.00
10	T	Hexachloroethane	0.527	0.573	-8.7	115	0.00
11	T	2-Methylphenol	1.005	1.169	-16.3	120	0.00
12	T	3&4-Methylphenol	1.082	1.234	-14.0	120	0.00
13	T	N-Nitrosodimethylamine	0.602	0.745	-23.8	127	0.00
14	TMP	N-Nitroso-di-n-propylamine	0.742	0.909	-22.5	128	0.00
15	TMC	Phenol	1.386	1.581	-14.1	122	0.00
16	S	Phenol-d5	1.352	1.547	-14.4	120	0.00
17	I	Napthalene-d8	1.000	1.000	0.0	108	0.00
18		Aniline	0.438	0.524	-19.6	121	0.00
19	T	Benzoic acid	0.170	0.200	-17.6	126	0.00
20	T	Bis (2-chloroethoxy) methan	0.366	0.404	-10.4	119	0.00
21	T	4-Chloroaniline	0.422	0.441	-4.5	110	0.00
22	TMC	4-Chloro-3-methylphenol	0.276	0.308	-11.6	118	0.00
23	TMC	2,4-Dichlorophenol	0.312	0.304	2.6	104	0.00
24	TM	2,6-Dichlorophenol	0.314	0.303	3.5	106	0.00
25	TM	2,4-Dimethylphenol	0.319	0.348	-9.1	114	0.00
26	TC	Hexachlorobutadiene	0.224	0.196	12.5	95	0.00
27	T	Isophorone	0.569	0.669	-17.6	125	0.00
28	T	2-Methylnapthalene	0.718	0.707	1.5	106	0.00
29	T	Naphthalene	1.030	1.049	-1.8	110	0.00
30	T	Nitrobenzene	0.355	0.402	-13.2	121	0.00
31	S	Nitrobenzene-d5	0.354	0.410	-15.8	123	0.00
32	TMC	2-Nitrophenol	0.187	0.199	-6.4	113	0.00
33		Azobenzene	0.728	0.799	-9.8	120	0.00
34	TM	1,2,4-Trichlorobenzene	0.379	0.353	6.9	102	0.00
35	I	Acenaphthene-d10	1.000	1.000	0.0	101	0.00
36		2-Chloronaphthalene	1.069	1.094	-2.3	102	0.00
37	TMC	Acenaphthene	1.107	1.159	-4.7	105	0.00
38	T	Acenaphthylene	1.683	1.775	-5.5	104	0.00
39	T	4-Chlorophenyl phenyl ether	0.635	0.603	5.0	97	0.00
40	T	Dibenzofuran	1.568	1.587	-1.2	103	0.00
41	T	Diethyl phthalate	1.193	1.253	-5.0	106	0.00
42	T	Dimethyl phthalate	1.237	1.264	-2.2	102	0.00
43	TMP	2,4-Dinitrophenol	0.150	0.104	30.7#	68	0.00
44	TM	2,4-Dinitrotoluene	0.361	0.375	-3.9	104	0.00
45	T	2,6-Dinitrotoluene	0.279	0.282	-1.1	102	0.00
46	T	Fluorene	1.312	1.339	-2.1	103	0.00
47	S	2-Fluorobiphenyl	1.352	1.358	-0.4	100	0.00
48	TP	Hexachlorocyclopentadiene	0.369	0.297	19.5	78	0.00

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\111205\S60154.D Vial: 3
Acq On : 5 Dec 2011 11:12 am Operator: G.J.Brien
Sample : 8270 CCal 50ppm Inst : 73SVOAV2
Misc : 11187B

Quant Time: Dec 05 11:35:40 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Thu Dec 01 10:59:00 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	
49	T	2-Nitroaniline	0.327	0.368	-12.5	112	0.00	
50	T	3-Nitroaniline	0.286	0.323	-12.9	112	0.00	
51	T	4-Nitroaniline	0.271	0.302	-11.4	110	0.00	
52	TMP	4-Nitrophenol	0.207	0.259	-25.1#	125	0.00	
53	S	2,4,6-Tribromophenol	0.189	0.183	3.2	98	0.00	
54	TMC	2,4,6-Trichlorophenol	0.340	0.342	-0.6	101	0.00	
55	T	2,4,5-Trichlorophenol	0.381	0.381	0.0	102	0.00	
56	I	Phenanthrene-d10	1.000	1.000	0.0	97	0.00	
57	T	4-Bromophenyl phenyl ether	0.241	0.231	4.1	94	0.00	
58	T	Di-n-butyl phthalate	1.064	1.223	-14.9	109	0.00	
59	TM	4,6-Dinitro-2-methylphenol	0.123	0.092	25.2#	73	0.00	
60	TC	Fluoranthene	1.170	1.189	-1.6	98	0.00	
61	T	Hexachlorobenzene	0.261	0.257	1.5	97	0.00	
62	TC	N-Nitrosodiphenylamine	0.629	0.667	-6.0	104	0.00	
63	TMC	Pentachlorophenol	0.144	0.141	2.1	100	0.00	
64	T	Anthracene	1.077	1.136	-5.5	102	0.00	
65	T	Phenanthrene	1.069	1.104	-3.3	100	0.00	
66	I	Chrysene-d12	1.000	1.000	0.0	96	-0.01	
67	T	Benzidine	0.375	0.422	-12.5	96	0.00	
68	T	Benzo (a) anthracene	0.995	1.078	-8.3	101	-0.01	
69	T	Bis (2-ethylhexyl) phthalat	0.536	0.688	-28.4#	117	0.00	- OK 625
70	T	Butylbenzylphthalate	0.400	0.501	-25.2#	115	0.00	
71	T	Chrysene	1.002	1.037	-3.5	98	-0.01	
72	T	3,3'-Dichlorobenzidine	0.357	0.407	-14.0	102	0.00	
73	TM	Pyrene	1.107	1.172	-5.9	98	-0.01	
74	S	Terphenyl-d14	0.799	0.832	-4.1	98	0.00	
75	I	Perylene-d12	1.000	1.000	0.0	102	0.00	
76	T	Benzo (b) fluoranthene	1.211	1.224	-1.1	102	0.00	
77	T	Benzo (k) fluoranthene	1.272	1.223	3.9	97	0.00	
78	T	Benzo (g,h,i) perylene	1.048	1.132	-8.0	112	-0.01	
79	TC	Benzo (a) pyrene	1.099	1.139	-3.6	105	0.00	
80	T	Dibenz (a,h) anthracene	1.055	1.105	-4.7	109	0.00	
81	TC	Di-n-octylphthalate	0.968	1.224	-26.4#	124	0.00	OK 625
82	T	Indeno (1,2,3-cd) pyrene	0.413	0.456	-10.4	118	0.00	
83	T	Pyridine	0.284	0.376	-32.4#	132	0.00	
84	T	Biphenyl	0.849	0.863	-1.6	106	0.00	
85	T	Acetophenone	0.425	0.486	-14.4	116	0.00	
86	T	Atrazine	0.172	0.024	86.0#	0#	0.00	
87	T	Caprolactam	0.115	0.164	-42.6#	143	0.01	
88	T	Carbazole	2.085	2.109	-1.2	102	0.00	
89	T	Benzaldehyde	0.166	0.245	-47.6#	124	0.00	
90	T	1,2,4,5-Tetrachlorobenzene	0.370	0.350	5.4	97	0.00	
91	T	2,3,4,6-Tetrachlorophenol	0.200	0.182	9.0	97	0.00	

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Quantitation Report (QT Reviewed)

Data File : C:\msdchem\1\DATA\111205\S60154.D Vial: 3
Acq On : 5 Dec 2011 11:12 am Operator: G.J.Brien
Sample : 8270 CCal 50ppm Inst : 73SVOAV2
Misc : 11187B

Quant Time: Dec 05 11:35:40 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Thu Dec 01 10:59:00 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.135	152	70727	40.00	ug/ml	0.00
17) Napthalene-d8	9.009	136	248780	40.00	ug/ml	0.00
35) Acenaphthene-d10	11.641	164	150390	40.00	ug/ml	0.00
56) Phenanthrene-d10	13.833	188	248122	40.00	ug/ml	0.00
66) Chrysene-d12	17.975	240	264719	40.00	ug/ml	-0.01
75) Perylene-d12	19.932	264	247914	40.00	ug/ml	0.00
System Monitoring Compounds						
9) 2-Fluorophenol	5.343	112	218918	112.64	ug/ml	0.00
Spiked Amount 100.000	Range 0 - 110		Recovery = 112.64%#			
16) Phenol-d5	6.765	99	273549	114.45	ug/ml	0.00
Spiked Amount 100.000	Range 0 - 104		Recovery = 114.45%#			
31) Nitrobenzene-d5	7.975	82	127368	57.84	ug/ml	0.00
Spiked Amount 50.000	Range 44 - 101		Recovery = 115.68%#			
47) 2-Fluorobiphenyl	10.672	172	255209	50.19	ug/ml	0.00
Spiked Amount 50.000	Range 37 - 91		Recovery = 100.38%#			
53) 2,4,6-Tribromophenol	12.834	330	68831	97.00	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 143		Recovery = 97.00%			
74) Terphenyl-d14	16.383	244	275372	52.06	ug/ml	0.00
Spiked Amount 50.000	Range 56 - 112		Recovery = 104.12%			
Target Compounds						Qvalue
2) Benzyl alcohol	7.399	108	72231	60.13	ug/ml	94
3) Bis (2-chloroethyl) ether	6.841	93	96348	54.13	ug/ml	99
4) Bis (2-chloroisopropyl...	7.646	45	165907	66.88	ug/ml	99
5) 2-Chlorophenol	6.876	128	113058	55.47	ug/ml	98
6) 1,3-Dichlorobenzene	7.076	146	129363	51.62	ug/ml	97
7) 1,4-Dichlorobenzene	7.158	146	130387	52.16	ug/ml	100
8) 1,2-Dichlorobenzene	7.423	146	121489	51.02	ug/ml	97
10) Hexachloroethane	7.875	117	50673	54.38	ug/ml	97
11) 2-Methylphenol	7.628	108	103366	58.19	ug/ml	99
12) 3&4-Methylphenol	7.846	108	109106	57.03	ug/ml	97
13) N-Nitrosodimethylamine	2.810	74	65826	61.84	ug/ml#	61
14) N-Nitroso-di-n-propyla...	7.840	70	80393	61.30	ug/ml#	67
15) Phenol	6.782	94	139756	57.01	ug/ml#	77
18) Aniline	6.724	93	162996	59.82	ug/ml	90
19) Benzoic acid	8.780	122	62303	56.79	ug/ml#	100
20) Bis (2-chloroethoxy) m...	8.745	93	125527	55.16	ug/ml	97
21) 4-Chloroaniline	9.174	127	137224	52.24	ug/ml	98
22) 4-Chloro-3-methylphenol	9.943	107	95755	55.74	ug/ml	97
23) 2,4-Dichlorophenol	8.845	162	94634	48.78	ug/ml	96
24) 2,6-Dichlorophenol	9.185	162	94342	48.34	ug/ml	98
25) 2,4-Dimethylphenol	8.610	107	108185	54.56	ug/ml	96
26) Hexachlorobutadiene	9.350	225	61007	43.73	ug/ml	95
27) Isophorone	8.363	82	207941	58.76	ug/ml	96
28) 2-Methylnapthalene	10.073	142	219727	49.21	ug/ml	96
29) Naphthalene	9.033	128	326243	50.92	ug/ml	100
30) Nitrobenzene	8.004	77	124895	56.50	ug/ml	92
32) 2-Nitrophenol	8.480	139	61881	53.28	ug/ml	96
33) Azobenzene	12.705	77	248557	54.92	ug/ml	82
34) 1,2,4-Trichlorobenzene	8.962	180	109814	46.61	ug/ml	96
36) 2-Chloronaphthalene	10.784	162	205581	51.17	ug/ml	100
37) Acenaphthene	11.688	153	217885	52.33	ug/ml	97

Quantitation Report (QT Reviewed)

Data File : C:\msdchem\1\DATA\111205\S60154.D Vial: 3
Acq On : 5 Dec 2011 11:12 am Operator: G.J.Brien
Sample : 8270 CCal 50ppm Inst : 73SVOAV2
Misc : 11187B

Quant Time: Dec 05 11:35:40 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Thu Dec 01 10:59:00 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M

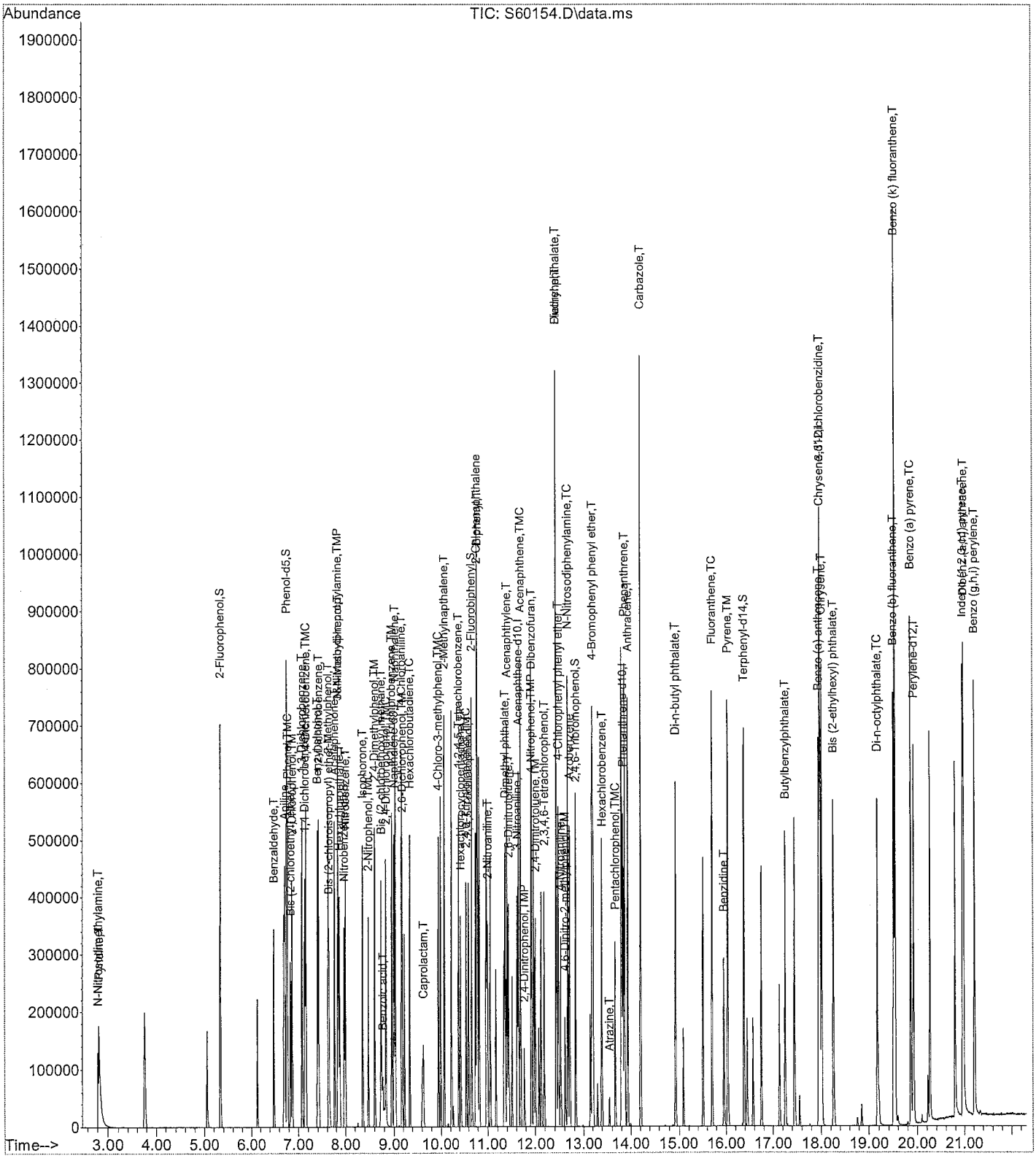
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
38) Acenaphthylene	11.406	152	333632	52.73 ug/ml	99
39) 4-Chlorophenyl phenyl ...	12.482	204	113425	47.55 ug/ml	98
40) Dibenzofuran	11.929	168	298426	50.62 ug/ml#	72
41) Diethyl phthalate	12.440	149	235490	52.50 ug/ml	98
42) Dimethyl phthalate	11.365	163	237648	51.10 ug/ml	99
43) 2,4-Dinitrophenol	11.771	184	19550	36.20 ug/ml	93
44) 2,4-Dinitrotoluene	12.012	165	70407	51.81 ug/ml	98
45) 2,6-Dinitrotoluene	11.436	165	52974	50.54 ug/ml	86
46) Fluorene	12.440	166	251737	51.02 ug/ml	96
48) Hexachlorocyclopentadiene	10.431	237	55917	40.29 ug/ml	99
49) 2-Nitroaniline	11.001	138	69245	56.29 ug/ml	88
50) 3-Nitroaniline	11.618	138	60794	56.51 ug/ml	98
51) 4-Nitroaniline	12.529	138	56740	55.63 ug/ml	92
52) 4-Nitrophenol	11.918	65	48695	58.52 ug/ml#	1
54) 2,4,6-Trichlorophenol	10.554	196	64351	50.39 ug/ml	100
55) 2,4,5-Trichlorophenol	10.601	196	71691	49.99 ug/ml	96
57) 4-Bromophenyl phenyl e...	13.198	248	71660	47.90 ug/ml	96
58) Di-n-butyl phthalate	14.932	149	379343	54.17 ug/ml	99
59) 4,6-Dinitro-2-methylph...	12.611	198	28519	37.91 ug/ml	95
60) Fluoranthene	15.707	202	368830	50.84 ug/ml	96
61) Hexachlorobenzene	13.398	284	79690	49.26 ug/ml	93
62) N-Nitrosodiphenylamine	12.670	169	206953	53.03 ug/ml	98
63) Pentachlorophenol	13.674	266	43620	50.22 ug/ml	95
64) Anthracene	13.939	178	352428	52.73 ug/ml	100
65) Phenanthrene	13.868	178	342408	51.62 ug/ml	99
67) Benzidine	15.960	184	139488	40.84 ug/ml	95
68) Benzo (a) anthracene	17.952	228	356721	54.18 ug/ml	99
69) Bis (2-ethylhexyl) pht...	18.263	149	227670	58.59 ug/ml	94
70) Butylbenzylphthalate	17.264	149	165619	58.03 ug/ml	92
71) Chrysene	18.016	228	343250	51.74 ug/ml	98
72) 3,3'-Dichlorobenzidine	17.981	252	134671	56.94 ug/ml	99
73) Pyrene	16.042	202	387688	52.91 ug/ml	94
76) Benzo (b) fluoranthene	19.509	252	379160	50.52 ug/ml	99
77) Benzo (k) fluoranthene	19.538	252	378936	48.07 ug/ml	98
78) Benzo (g,h,i) perylene	21.219	276	350858	53.99 ug/ml	95
79) Benzo (a) pyrene	19.867	252	353099	51.82 ug/ml	97
80) Dibenz (a,h) anthracene	20.984	278	342469	52.37 ug/ml	98
81) Di-n-octylphthalate	19.174	149	379358	56.10 ug/ml	99
82) Indeno (1,2,3-cd) pyrene	20.966	138	141205	56.10 ug/ml#	80
83) Pyridine	2.828	79	116551	66.29 ug/ml	92
84) Biphenyl	10.795	154	267331	50.83 ug/ml	97
85) Acetophenone	7.769	105	150745	57.17 ug/ml	88
86) Atrazine	13.551	200	7384	6.93 ug/ml#	100
87) Caprolactam	9.632	55	50976	67.29 ug/ml	92
88) Carbazole	14.215	167	653416	50.56 ug/ml	98
89) Benzaldehyde	6.494	77	75772	69.05 ug/ml	92
90) 1,2,4,5-Tetrachloroben...	10.384	216	108390	47.31 ug/ml	97
91) 2,3,4,6-Tetrachlorophenol	12.194	232	56471	45.61 ug/ml	97

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

Quantitation Report (QT Reviewed)

Data File : C:\msdchem\1\DATA\111205\S60154.D Vial: 3
Acq On : 5 Dec 2011 11:12 am Operator: G.J.Brien
Sample : 8270 CCal 50ppm Inst : 73SVOAV2
Misc : 11187B

Quant Time: Dec 05 11:35:40 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Thu Dec 01 10:59:00 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M



Quantitation Report (Not Reviewed)

Data File : C:\msdchem\1\DATA\111205\S60158A.D Vial: 100
Acq On : 5 Dec 2011 2:29 pm Operator: G.J.Brien
Sample : 8270 Extras @ 10ppm Inst : 73SVOAV2
Misc : 11087A

Quant Time: Dec 05 15:18:51 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Thu Dec 01 10:59:00 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.135	152	178735	40.00	ug/ml	0.00
17) Napthalene-d8	9.009	136	615128	40.00	ug/ml	0.00
35) Acenaphthene-d10	11.642	164	384636	40.00	ug/ml	0.00
56) Phenanthrene-d10	13.833	188	632567	40.00	ug/ml	0.00
66) Chrysene-d12	17.981	240	663785	40.00	ug/ml	0.00
75) Perylene-d12	19.938	264	645334	40.00	ug/ml	0.01
System Monitoring Compounds						
9) 2-Fluorophenol	0.000	112	0	0.00	ug/ml	
Spiked Amount 100.000	Range 0 - 110		Recovery =	0.00%		
16) Phenol-d5	0.000	99	0	0.00	ug/ml	
Spiked Amount 100.000	Range 0 - 104		Recovery =	0.00%		
31) Nitrobenzene-d5	0.000	82	0	0.00	ug/ml	
Spiked Amount 50.000	Range 44 - 101		Recovery =	0.00%#		
47) 2-Fluorobiphenyl	0.000	172	0	0.00	ug/ml	
Spiked Amount 50.000	Range 37 - 91		Recovery =	0.00%#		
53) 2,4,6-Tribromophenol	0.000	330	0	0.00	ug/ml	
Spiked Amount 100.000	Range 10 - 143		Recovery =	0.00%#		
74) Terphenyl-d14	0.000	244	0	0.00	ug/ml	
Spiked Amount 50.000	Range 56 - 112		Recovery =	0.00%#		
Target Compounds						Qvalue
84) Biphenyl	10.790	154	163026	11.91	ug/ml	98
85) Acetophenone	7.770	105	92849	13.53	ug/ml	89
86) Atrazine	13.551	200	38940	14.03	ug/ml#	100
87) Caprolactam	9.585	55	30395	18.56	ug/ml	92
89) Benzaldehyde	6.489	77	56286	15.35	ug/ml	91
90) 1,2,4,5-Tetrachloroben...	10.384	216	62872	10.54	ug/ml	98

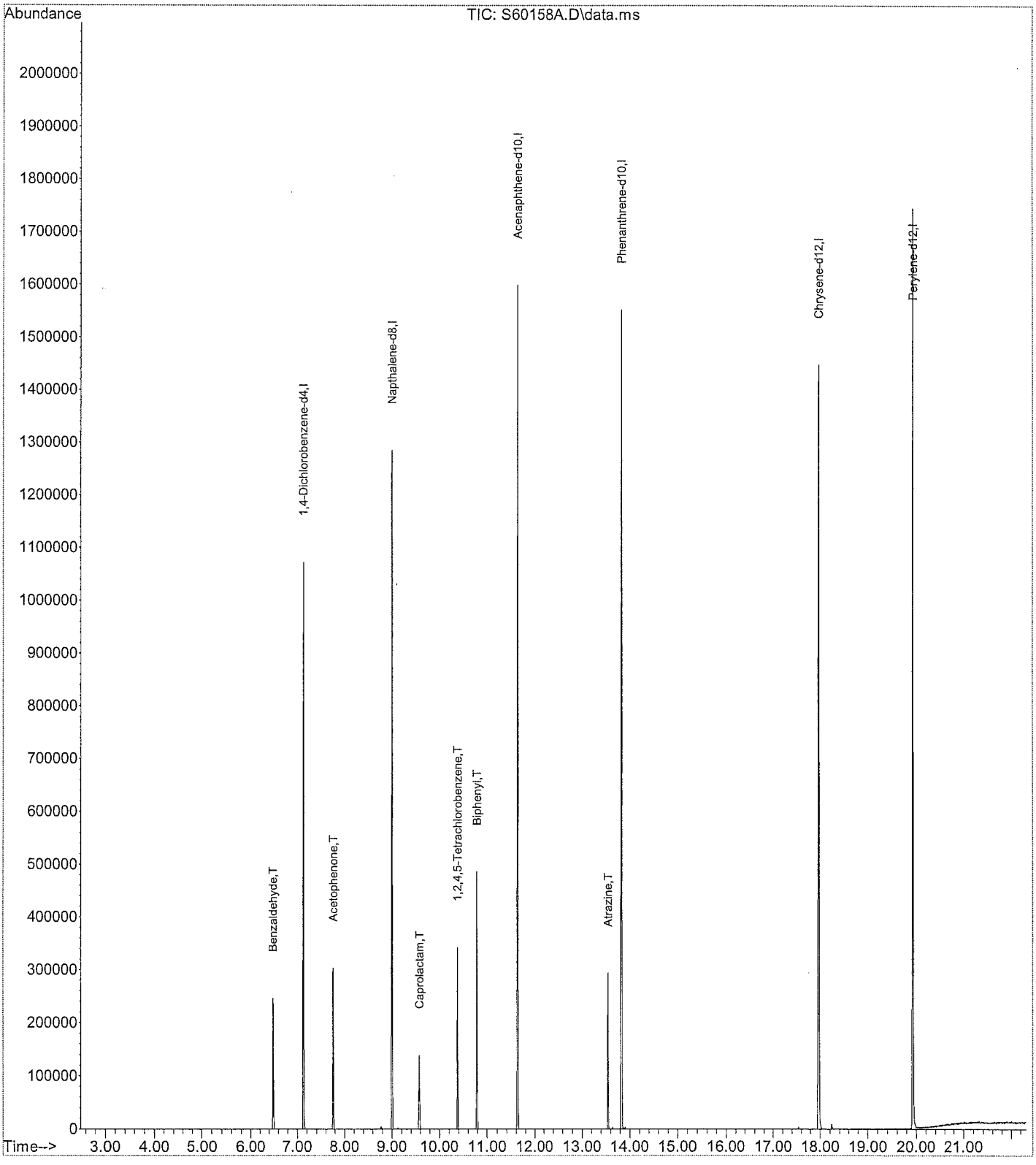
OK for Atrazine

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

Quantitation Report (Not Reviewed)

Data File : C:\msdchem\1\DATA\111205\S60158A.D Vial: 100
Acq On : 5 Dec 2011 2:29 pm Operator: G.J.Brien
Sample : 8270 Extras @ 10ppm Inst : 73SVOAV2
Misc : 11087A

Quant Time: Dec 05 15:18:51 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Thu Dec 01 10:59:00 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M



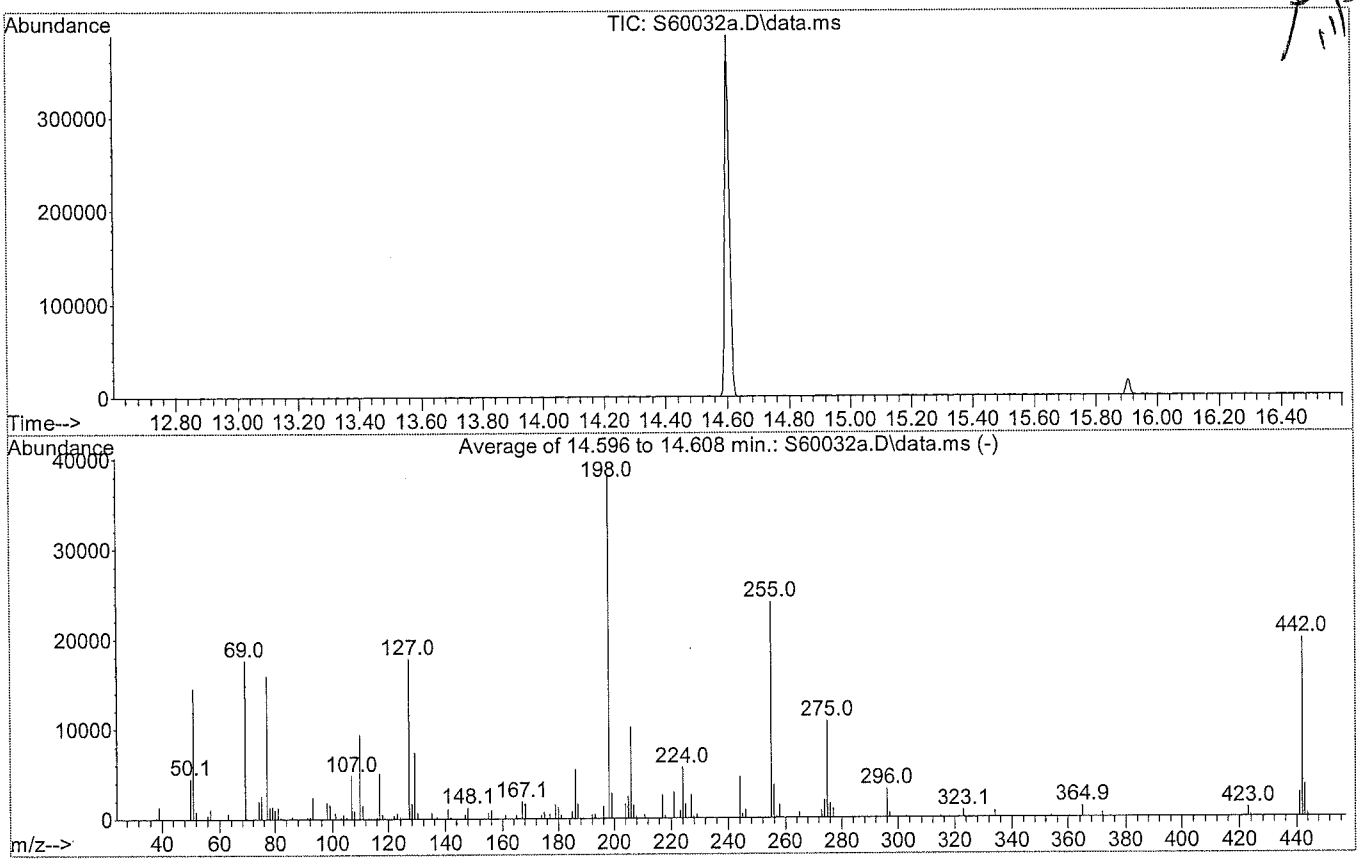
SEMIVOLATILE ORGANICS

RAW QC DATA

Data Path : C:\msdchem\1\DATA\111128\
Data File : S60032a.D
Acq On : 28 Nov 2011 8:42 am
Operator : G.J.Brien
Sample : 50ng DFTPP
Misc : 11131B
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\METHODS\ABN112811.M
Title :
Last Update : Mon Nov 28 12:31:11 2011



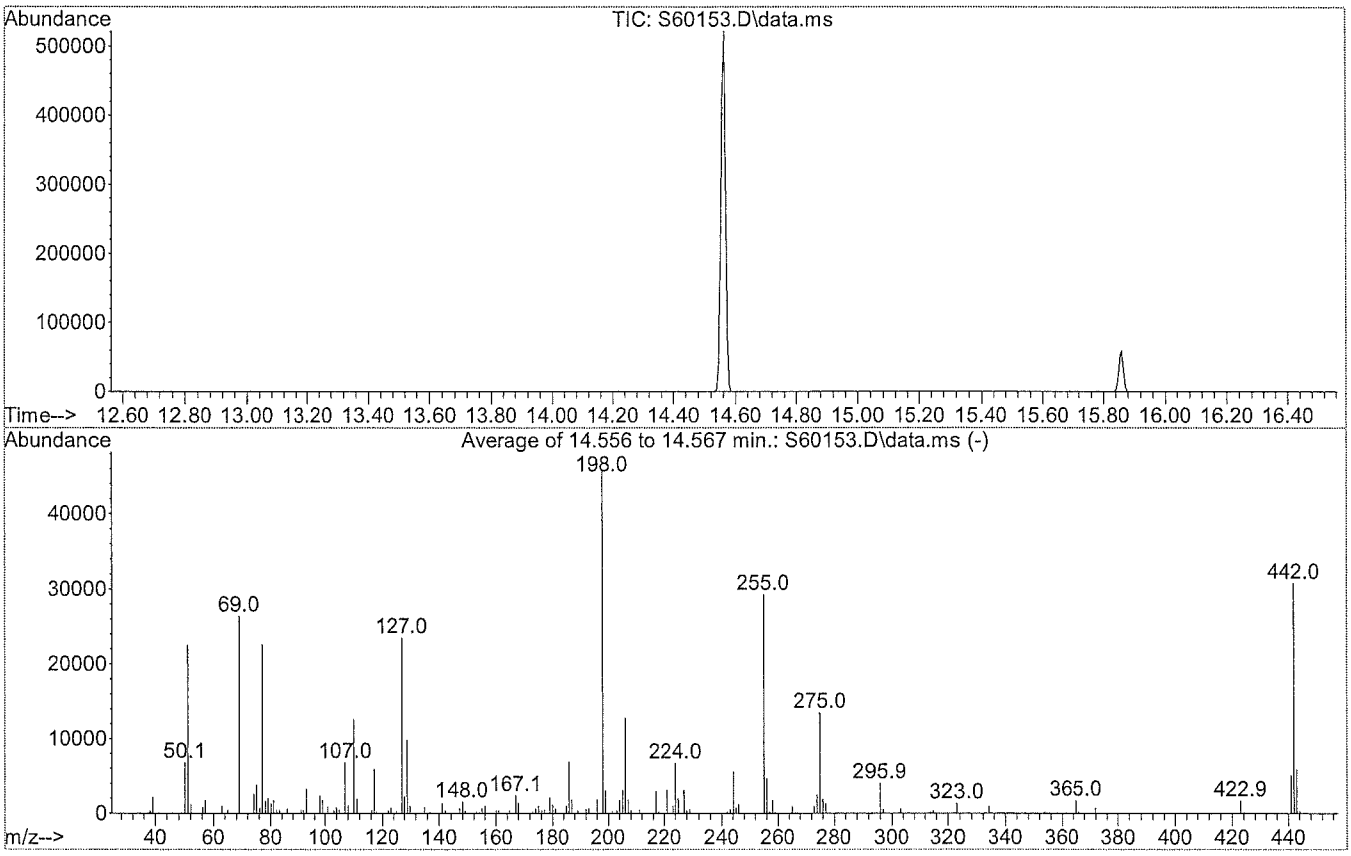
AutoFind: Scans 2096, 2097, 2098; Background Corrected with Scan 2092

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	38.0	14514	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	46.0	17595	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	46.5	17778	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	38210	PASS
199	198	5	9	7.1	2720	PASS
275	198	10	30	28.0	10714	PASS
365	198	1	100	3.1	1173	PASS
441	443	0.01	100	74.4	2615	PASS
442	198	40	100	51.8	19782	PASS
443	442	17	23	17.8	3513	PASS

Data Path : C:\msdchem\1\DATA\111205\
Data File : S60153.D
Acq On : 5 Dec 2011 10:41 am
Operator : G.J.Brien
Sample : 50ng DFTPP
Misc : 11131B
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\METHODS\ABN112811.M
Title :
Last Update : Thu Dec 01 10:59:00 2011



AutoFind: Scans 2055, 2056, 2057; Background Corrected with Scan 2050

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	48.9	22433	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	57.4	26331	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	51.0	23424	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	45906	PASS
199	198	5	9	6.6	3011	PASS
275	198	10	30	29.2	13400	PASS
365	198	1	100	3.6	1666	PASS
441	443	0.01	100	86.5	5053	PASS
442	198	40	100	66.8	30653	PASS
443	442	17	23	19.0	5839	PASS

Quantitation Report (Not Reviewed)

Data File : C:\msdchem\1\DATA\111205\S60156.D Vial: 5
Acq On : 5 Dec 2011 12:53 pm Operator: G.J.Brien
Sample : LCS 12/5 Inst : 73SVOAV2
Misc : ABN Soil ASP

Quant Time: Dec 05 13:36:00 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Thu Dec 01 10:59:00 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M

12/5/11 all pass

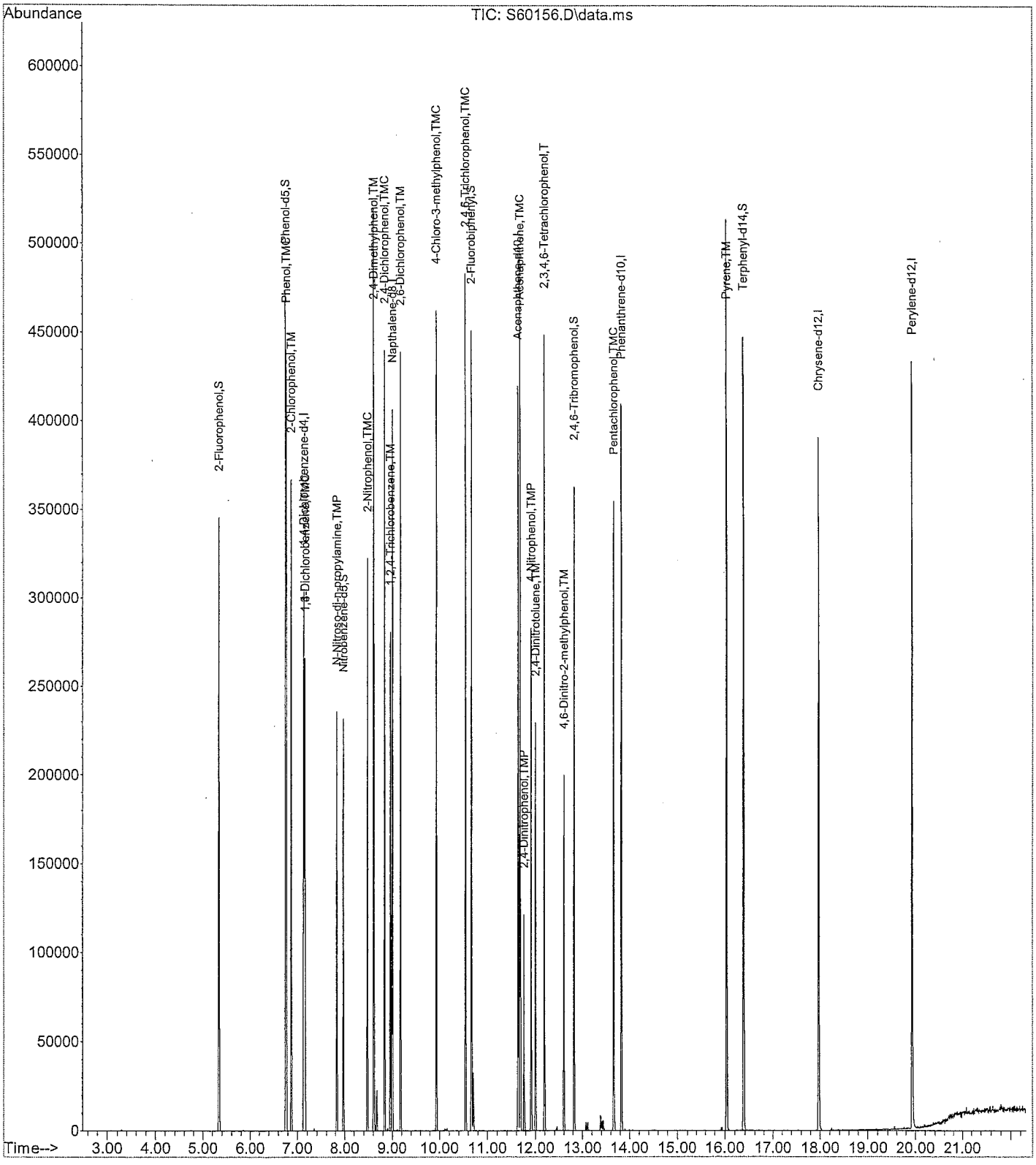
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.135	152	51264	40.00	ug/ml	0.00
17) Napthalene-d8	9.003	136	177064	40.00	ug/ml	0.00
35) Acenaphthene-d10	11.636	164	107318	40.00	ug/ml	-0.01
56) Phenanthrene-d10	13.833	188	179252	40.00	ug/ml	0.00
66) Chrysene-d12	17.969	240	178740	40.00	ug/ml	-0.02
75) Perylene-d12	19.938	264	169103	40.00	ug/ml	0.01
System Monitoring Compounds						
9) 2-Fluorophenol	5.343	112	110867	78.70	ug/ml	0.00
Spiked Amount 100.000	Range 51 - 86		Recovery = 78.70%			
16) Phenol-d5	6.759	99	151515	87.46	ug/ml	0.00
Spiked Amount 100.000	Range 55 - 90		Recovery = 87.46%			
31) Nitrobenzene-d5	7.975	82	70636	45.07	ug/ml	0.00
Spiked Amount 50.000	Range 62 - 94		Recovery = 90.14%			
47) 2-Fluorobiphenyl	10.672	172	153315	42.25	ug/ml	0.00
Spiked Amount 50.000	Range 62 - 99		Recovery = 84.50%			
53) 2,4,6-Tribromophenol	12.828	330	43012	84.95	ug/ml	0.00
Spiked Amount 100.000	Range 56 - 109		Recovery = 84.95%			
74) Terphenyl-d14	16.377	244	177932	49.82	ug/ml	-0.01
Spiked Amount 50.000	Range 65 - 109		Recovery = 99.64%			
Target Compounds						Qvalue
5) 2-Chlorophenol	6.876	128	96502	65.33	ug/ml	98
6) 1,3-Dichlorobenzene	7.158	146	68867	~~37.92 ug/ml~~ NCRT		97
7) 1,4-Dichlorobenzene	7.158	146	68867	38.01	ug/ml	99
14) N-Nitroso-di-n-propyla...	7.834	70	48841	51.38	ug/ml#	65
15) Phenol	6.776	94	119290	67.14	ug/ml	81
22) 4-Chloro-3-methylphenol	9.938	107	91187	74.59	ug/ml	94
23) 2,4-Dichlorophenol	8.839	162	84820	61.43	ug/ml	98
24) 2,6-Dichlorophenol	9.180	162	83660	60.23	ug/ml	85
25) 2,4-Dimethylphenol	8.610	107	99668	70.62	ug/ml	97
32) 2-Nitrophenol	8.480	139	54205	65.57	ug/ml	97
34) 1,2,4-Trichlorobenzene	8.962	180	59434	35.44	ug/ml	95
37) Acenaphthene	11.683	153	131732	44.33	ug/ml	96
43) 2,4-Dinitrophenol	11.765	184	15720	39.67	ug/ml	94
44) 2,4-Dinitrotoluene	12.006	165	42664	43.99	ug/ml	96
52) 4-Nitrophenol	11.912	65	45426	74.59	ug/ml	93
54) 2,4,6-Trichlorophenol	10.549	196	64667	70.96	ug/ml	99
55) 2,4,5-Trichlorophenol	10.549	196	42552	~~41.58 ug/ml~~ NCRT		89
59) 4,6-Dinitro-2-methylph...	12.605	198	28786	50.12	ug/ml	94
63) Pentachlorophenol	13.669	266	48361	72.95	ug/ml	96
73) Pyrene	16.042	202	240119	48.53	ug/ml	94
91) 2,3,4,6-Tetrachlorophenol	12.194	232	61181	72.44	ug/ml NT	96

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

Quantitation Report (Not Reviewed)

Data File : C:\msdchem\1\DATA\111205\S60156.D Vial: 5
Acq On : 5 Dec 2011 12:53 pm Operator: G.J.Brien
Sample : LCS 12/5 Inst : 73SVOAV2
Misc : ABN Soil ASP

Quant Time: Dec 05 13:36:00 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Thu Dec 01 10:59:00 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M



PARADIGM ENVIRONMENTAL SERVICES, INC
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc.

Client Job Site:	690 St Paul St.	**Lab Project Number:**	11-5230A
		Lab Sample Number:	Soil PB 12/05
Client Job Number:	209280		
Field Location:	N/A	**Date Sampled:**	N/A
Field ID Number:	N/A	**Date Received:**	N/A
Sample Type:	Soil	**Date Analyzed:**	12/05/2011

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	< 286	Dibenz (a,h) anthracene	< 286
Anthracene	< 286	Fluoranthene	< 286
Benzo (a) anthracene	< 286	Fluorene	< 286
Benzo (a) pyrene	< 286	Indeno (1,2,3-cd) pyrene	< 286
Benzo (b) fluoranthene	< 286	Naphthalene	< 286
Benzo (g,h,i) perylene	< 286	Phenanthrene	< 286
Benzo (k) fluoranthene	< 286	Pyrene	< 286
Chrysene	< 286	Acenaphthylene	< 286
Diethyl phthalate	< 286	1,2-Dichlorobenzene	< 286
Dimethyl phthalate	< 714	1,3-Dichlorobenzene	< 286
Butylbenzylphthalate	< 286	1,4-Dichlorobenzene	< 286
Di-n-butyl phthalate	< 286	1,2,4-Trichlorobenzene	< 286
Di-n-octylphthalate	< 286	Nitrobenzene	< 286
Bis (2-ethylhexyl) phthalate	< 286	2,4-Dinitrotoluene	< 286
2-Chloronaphthalene	< 286	2,6-Dinitrotoluene	< 286
Hexachlorobenzene	< 286	Bis (2-chloroethyl) ether	< 286
Hexachloroethane	< 286	Bis (2-chloroisopropyl) ether	< 286
Hexachlorocyclopentadiene	< 286	Bis (2-chloroethoxy) methane	< 286
Hexachlorobutadiene	< 286	4-Bromophenyl phenyl ether	< 286
N-Nitroso-di-n-propylamine	< 286	4-Chlorophenyl phenyl ether	< 286
N-Nitrosodiphenylamine	< 286	Benzidine	< 714
N-Nitrosodimethylamine	< 286	3,3'-Dichlorobenzidine	< 286
Isophorone	< 286	4-Chloroaniline	< 286
Benzyl alcohol	< 714	2-Nitroaniline	< 714
Dibenzofuran	< 286	3-Nitroaniline	< 714
2-Methylnapthalene	< 286	4-Nitroaniline	< 714

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	< 286	2-Methylphenol	< 286
2-Chlorophenol	< 286	3&4-Methylphenol	< 286
2,4-Dichlorophenol	< 286	2,4-Dimethylphenol	< 286
2,6-Dichlorophenol	< 286	2-Nitrophenol	< 286
2,4,5-Trichlorophenol	< 714	4-Nitrophenol	< 714
2,4,6-Trichlorophenol	< 286	2,4-Dinitrophenol	< 714
Pentachlorophenol	< 714	4,6-Dinitro-2-methylphenol	< 714
4-Chloro-3-methylphenol	< 286	Benzoic acid	< 714

ELAP Number 10958 Analytical Method: EPA 8270C Data File: S60155.D

Prep Method: EPA 3550C

Comments: ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

PARADIGM
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc.

Client Job Site:	690 St Paul St.	**Lab Project Number:**	11-5230A
		Lab Sample Number:	Soil PB 12/05
Client Job Number:	209280		
Field Location:	N/A	**Date Sampled:**	N/A
Field ID Number:	N/A	**Date Received:**	N/A
Sample Type:	Soil	**Date Analyzed:**	12/05/2011

Tentatively Identified Compounds	CAS Number	Retention Time	Results in ug / Kg	Percent Fit
None Found	N/A	N/A	< 114	N/A

ELAP Number 10958

Analytical Method: EPA 8270C
Prep Method: EPA 3550C

Data File: S60155.D

Comments: ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

Quantitation Report (Not Reviewed)

Data File : C:\msdchem\1\DATA\111205\S60155.D Vial: 4
Acq On : 5 Dec 2011 12:22 pm Operator: G.J.Brien
Sample : PB 12/5 Inst : 73SVOAV2
Misc : ABN Soil ASP

Quant Time: Dec 05 13:35:51 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Thu Dec 01 10:59:00 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.135	152	56954	40.00	ug/ml	0.00
17) Napthalene-d8	9.003	136	198110	40.00	ug/ml	0.00
35) Acenaphthene-d10	11.641	164	119362	40.00	ug/ml	0.00
56) Phenanthrene-d10	13.833	188	200835	40.00	ug/ml	0.00
66) Chrysene-d12	17.975	240	203084	40.00	ug/ml	-0.01
75) Perylene-d12	19.932	264	189466	40.00	ug/ml	0.00
System Monitoring Compounds						
9) 2-Fluorophenol	5.343	112	115021	73.49	ug/ml	0.00
Spiked Amount 100.000	Range 51 - 86		Recovery = 73.49%			
16) Phenol-d5	6.759	99	161484	83.90	ug/ml	0.00
Spiked Amount 100.000	Range 55 - 90		Recovery = 83.90%			
31) Nitrobenzene-d5	7.975	82	75096	42.82	ug/ml	0.00
Spiked Amount 50.000	Range 62 - 94		Recovery = 85.64%			
47) 2-Fluorobiphenyl	10.672	172	161286	39.97	ug/ml	0.00
Spiked Amount 50.000	Range 62 - 99		Recovery = 79.94%			
53) 2,4,6-Tribromophenol	12.828	330	46352	82.31	ug/ml	0.00
Spiked Amount 100.000	Range 56 - 109		Recovery = 82.31%			
74) Terphenyl-d14	16.383	244	191582	47.21	ug/ml	0.00
Spiked Amount 50.000	Range 65 - 109		Recovery = 94.42%			

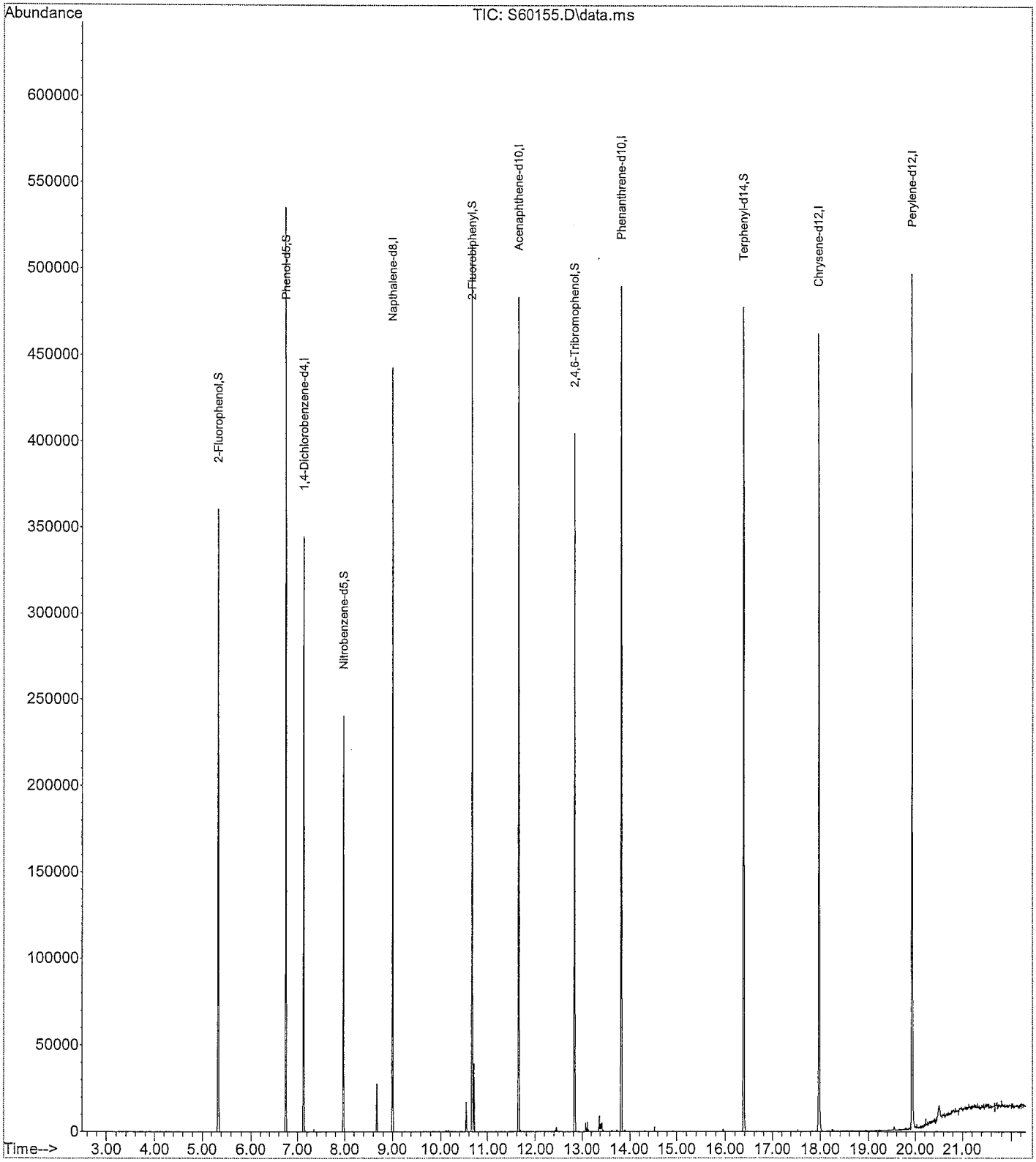
Target Compounds	Qvalue

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

Quantitation Report (Not Reviewed)

Data File : C:\msdchem\1\DATA\111205\S60155.D Vial: 4
Acq On : 5 Dec 2011 12:22 pm Operator: G.J.Brien
Sample : PB 12/5 Inst : 73SVOAV2
Misc : ABN Soil ASP

Quant Time: Dec 05 13:35:51 2011
Quant Method : C:\msdchem\1\METHODS\ABN112811.M
QLast Update : Thu Dec 01 10:59:00 2011
Response via : Initial Calibration
DataAcq Meth:8270RUN.M



ORGANIC PREP Non-Aqueous: Semi-Volatile Samples

DATE	SAMPLE #	EPA METHOD	INITIAL VOLUME	FINAL VOLUME	INITIALS	SURROGATE/SPIKE	COMMENTS
12/2/11	17136	STRS.S	35.2	1ml	m	10µl BNSS 11266 10µl ACSS 11260	TIS 11259 G3
	17182	↑	35.0	↓	↓	↓	G2
	17183	↓	35.3	↓	↓	↓	↓ ↓
12/5/11	BLK	ABN.S	"35.0"	1mL	edf	10µl BNSS# 112666 10µl ACSS# 11260	+IS. 11275
	LCS	↓	↓	↓	↓	50µl BNMS# 11267 37.5µl ACMS# 11261	↓
	17276	↓	35.1	↓	↓	↓	G3
	17277	↓	35.0	↓	↓	↓	↓
	17226	STRS.S	34.8	↓	↓	↓	G2
	17227	↓	34.9	↓	↓	↓	↓
	17228	↓	35.1	↓	↓	↓	↓
	17229	↓	35.1	↓	↓	↓	↓ ↓
	17306	ABN.S	35.1	↓	↓	↓	G3
	17324	↓	34.9	↓	↓	↓	↓ ↓
12/6/11	BLK	ABN.S	"35.0"	1ml	m/edf	10ml BNSS# 112666 10 ml ACSS# 11260	+10µl IS 11275
	LCS	↓	↓	↓	↓	50µl BNMS 11267 37.5µl ACSS 11261	↓
18	17307	↓	35.1	↓	↓	↓	mg
	17308	↓	34.9	↓	↓	↓	↓
	17321	STRS.S	35.2	↓	↓	↓	G2-1
	↓ MS	↓	35.2	↓	↓	50µl BNMS# 112667 recdp 12/6 37.5ml ACSS# 11261	↓
	↓ MSD	↓	34.9	↓	↓	↓	↓
	17322	↓	35.2	↓	↓	↓	G2-2 12/14/11
	17329	STRS.S	34.8	↓	↓	↓	↓ G2-3

GC / MS SVOA System 6890 / 5973

Initial Calibration Date_____

Date	GC Method	Vial #	Data File	Matrix	Sample ID	Std. #	Analysis	Inits.	A	R	Comments	Inits.
11/23/11	8270RUN	1	S60022		MeCl2				-	-		
		2	S60023		DFTPP Tune check	11131B				X	retune	
		3	S60024		CCV	11189B			-	-	not run	
		2	S60025		DFTPP Tune Check	11131B						
		~~2~~	~~S60026~~		~~DFTPP Tune Check~~	~~11131B~~	11/23/11 Not necessary					
		3	S60026	-	8270 CCal 50ppm				✓	✓	OK * S	
		14	S60027	Soil	PB 11/22		* S		✓			
		15	S60028		LCS 11/22				✓		OK * S	
		17	S60029		16905 SAW 5098							
Maint 11/23/11 — Installed Column					Agilent DB-5 Ser. # USB5280364H							
					Part # 122-5032							
		— Replaced septum, liner (NEW, packed, deact SS), O-ring, gold seal										
11/27/11												
(111127)	8270CON	1	S60030	-	MeCl2		2hr "bake"				NOT RUN	
	8270RUN	1	S60031A	-	MeCl2				—			
		2	S60032A	DFTPP	50ng DFTPP	11131B			✓		pass	
		3	S60033	-	8270 Cal L-1 10ppm	11181	Save as ABN112811.M		✓			
		4	S60034	-	L-2 20	11182			✓			
		5	S60035	-	L-3 50	11183			✓			
		6	S60036	-	L-4 100	11184			✓			
		7	S60037	-	L-5 150	11185			✓			
		8	S60038	-	L-6 200	11186			✓			
		9	S60039	-	8270 Ref 50ppm	10961			✓			
		10	S60040	-	8270 Extras 50ppm (Ref)	10962	run after # 14					

Continued

A = Accepted: R = Rejected

GC / MS SVOA System 6890 / 5973

Initial Calibration Date 11/28/11

Date	GC Method	Vial #	Data File	Matrix	Sample ID	Std. #	Analysis	Inits.	A	R	Comments	Inits.
12/2/11	8270RUN	1	S60134D	-	$MeCl_2$					—		
		2	S60135	DFTPP	50ng DFTPP	11131B			✓		pass	
		3	S60136	-	8270 CCal 50ppm	11187B			✓		pass for all	
		4	S60140	Soil	PB 12/2		☆ S		✓			
		5	S60141		LCS				✓		all pass	
		6	S60142		17165 Fisher 5196				✓			
		7	S60143		17130 Conrad 5183				✓			
		8	S60144		17131				✓			
		9	S60146		17132				✓			
		10	S60146		17133				✓			
		11	S60147		17134				✓			
		12	S60148		17136				✓			
		13	S60149		17182 LaB 5204				✓			
		14	S60150		17183				✓			
12/5/11	8270RUN	1	S60152	-	$MeCl_2$					—		
(111205)		2	S60153	DFTPP	50ng DFTPP	11131B			✓		pass	
		3	S60154	-	8270 CCal 50ppm	11187B			✓		pass ABN	
		4	S60155	Soil	PB 12/5		ABN.S (ASP)		✓			
		5	S60156		LCS 12/5				✓		all pass	
		6	S60157		17276 LaB 5230A				✓			
		7	S60158		17277				✓			
		8	S60159	Water	PB 12/2		625-BN		✓			
		9	S60160		LCS 12/2				✓			
		10	S60161		17150 Garlock 5184		625 PAHs		✓			
		11	S60162		17177 ISH 5201		625 PAH		✓			
		100	S60158A	-	8270 Ext. @ 10 ppm	11087A	for Atrazine		✓			

Continued

A = Accepted: R = Rejected

GC / MS SVOA System 6890 / 5973

Initial Calibration Date 11/28/11

Date	GC Method	Vial #	Data File	Matrix	Sample ID	Std. #	Analysis	Inits
12/5/11	8270RUN	12	S60163	Soil	17226 Hay 5211		★-S	
		13	S60164		17227			
		14	S60165		17228			
		15	S60166		17229 DiDon. 5212			
		16	S60167		17306 ERM 5244K		ABN.S (ASP)	
		17	S60168		17324 LaB 5252A			
		18	S60169	Water	PB 12/5		ABN.W (ASP)	
		19	S60170		LCS 12/5			
		20	S60171		17124 Conrad 5183		★.W	
		21	S60172		17127			
		22	S60173		17128			
		23	S60174		17129			
		1	S60175		$MeCl_2$ x 10			
		2	S60176		50ng DFTPP	11131B		
		3	S60177		8270 CCal 50ppm	11187B		
		100	S60178		8270 Ex Ref	11057A		
		24	S60179		17135 Conrad 5183		★.W	
		25	S60180		17326 M.Syr. 5253			
		23	S60174A		17129 Conrad 5183			

A	R	Comments	Inits
✓			
✓			
✓			
✓			
✓			
✓			
✓			
✓			
✓			
✓			
✓			
✓			
	✓	fail 12hr window - reinject	
—			
✓			
✓	✓	OK BN NOT ABN	
✓			
✓			
✓			
✓			
✓			

12/6/11 Maint - Replaced septum, liner (DEN SV wool glass) o-ring - 12/6/11
- Clipped column 1 loop
- Global Update RT -.05 min

A = Accepted: R = Rejected

PESTICIDES

QC SUMMARY

2F

SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Lab Project #: 11-5230A Client Project #: 209280 SDG No.: 17276

Client Project Name: 690 St. Paul St.

GC Column: Rtx-CLP Detector: ECD1 A ID(mm): 0.25-narrow bore

	SAMPLE NO.	TCmX %REC	DCBP %REC	TOT OUT
01	Soil PB 12/05	47.9	59.4	0
02	Soil LCS 12/05	49.8	67.1	0
03	Soil LCS2 12/05	50.1	58.6	0
04	AOC1-CS-8 17276	35.1 *	52.3	1
05	AOC1-CS-9 17277	52.2	59.4	0
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

	QC LIMITS %
TCmX=Tetrachloro-m-xylene	(45.5-113)
DCBP=Decachlorobiphenyl	(43.3-111)

* Values outside of current required QC limits

D Surrogate diluted out

FORM II PEST-2

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Pesticide Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc.

Client Job Site: 690 St. Paul St.
Client Job Number: 209280
Field Location: N/A
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5230A
Lab Sample Number: Soil LCS 12/05
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 12/05/2011

SDG# : 17276

Spiked Compound	Blank Results in ug / Kg	LCS Spiked in ug / Kg	LCS Results in ug / Kg	LCS Percent Recovery	MSD Spiked in ug / Kg	MSD Results in ug / Kg	MSD Percent Recovery	MS / MSD % RPD
g-BHC	< 2.86	14.3	7.30	51.0	N/A	N/A	N/A	N/A
Heptachlor	< 2.86	14.3	7.34	51.3	N/A	N/A	N/A	N/A
Aldrin	< 2.86	14.3	7.47	52.2	N/A	N/A	N/A	N/A
Dieldrin	< 2.86	14.3	8.24	57.6	N/A	N/A	N/A	N/A
Endrin	< 2.86	14.3	7.77	54.3	N/A	N/A	N/A	N/A
4,4'-DDT	< 2.86	14.3	8.65	60.5	N/A	N/A	N/A	N/A

ELAP Number 10958

Method: EPA 8081A

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Pesticide Analysis QC Limits

Limits effective: Oct 01,2011
Through: Dec 31,2011

Spiked Compound	Soil Spike Limits		Soil RPD Limits		Water Spike Limits		Water RPD Limits	
	Lower %	Upper %	Lower %	Upper %	Lower %	Upper %	Lower %	Upper %
g-BHC	38.4	87.2	N/A	29.7	31.0	97.0	N/A	64.8
Heptachlor	40.0	102	N/A	39.6	36.3	99.3	N/A	63.3
Aldrin	39.6	93.5	N/A	41.4	31.4	95.5	N/A	66.0
Dieldrin	45.5	108	N/A	35.9	42.0	111	N/A	53.3
Endrin	43.6	108	N/A	34.6	42.6	110	N/A	51.3
4,4'-DDT	43.3	111	N/A	38.2	41.0	113	N/A	52.3
Toxaphene	21.6	125	N/A	111	19.0	140	N/A	75.1

Surrogate	Soil Surrogate Limits				Water Surrogate Limits			
	Lower %	Upper %			Lower %	Upper %		
TCmX	45.5	113			18.6	87.7		
DCBP	43.3	111			33.0	144		

ELAP Number 10958

Method: EPA 8081

Note: When the lower acceptance limit is calculated to be below 10% recovery, a warning limit of 10% is established. Recoveries between the lower acceptance limit and the warning limit will be investigated, but will not invalidate the batch.

4C

SAMPLE NO.

PESTICIDE METHOD BLANK SUMMARY

Soil PB 12/05

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Lab Project #: 11-5230A Client Project #: 209280 SDG No.: 17276

Client Project Name: 690 St. Paul St.

Lab File ID: 111205A\006F0101.D Date Analyzed: 12/5/2011

Extraction(type): MeCl2 -> Hexane Time Analyzed: 16:22

Matrix: (soil/water) soil Instrument ID: Instrument 1

Date Extracted: 12/5/2011 GC Column: Rtx-CLP ID(mm): 0.25

Sulfur Cleanup(Y/N): N Detector: ECD1 A narrow bore

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED
01	N/A	Soil LCS 12/05	12/5/2011
02	N/A	Soil LCS2 12/05	12/5/2011
03	AOC1-CS-8	17276	12/5/2011
04	AOC1-CS-9	17277	12/5/2011
05			
06			
07			
08			
09			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

COMMENTS:

PESTICIDE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Lab Project #: 11-5230A Client Project #: 209280 SDG#: 17276

Client Project Name: 690 St. Paul St.

Lab File ID: P1118ISA.M Date Analyzed: 11/17/2011

Instrument ID: Instrument 1-Dual ECD1 Column: ECD1 A Time Analyzed: PM

	INITIAL CALIBRATION STANDARDS	IS AREA	BNB RT
	Pest ICAL L-1 0.005	209250	2.21
	Pest ICAL L-2 0.010	189486	2.21
	Pest ICAL L-3 0.020	171194	2.21
	Pest ICAL L-4 0.050	156537	2.22
	Pest ICAL L-5 0.100	186144	2.21
	Pest ICAL L-6 0.200	270573	2.21
	Pest ICAL L-7 0.400	200444	2.21
	Average	197661	2.21
	UPPER LIMIT	296492	2.71
	LOWER LIMIT	98831	1.71
	LAB SAMPLE#		
1	Soil PB 12/05	286056	2.22
2	Soil LCS 12/05	289396	2.21
3	Soil LCS2 12/05	266284	2.21
4	AOC1-CS-8 17276	316896*	2.21
5	AOC1-CS-9 17277	297998*	2.21
6			
7			
8			
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10			
11			
12			
13			
14			
15			

IS=1-Bromo-2-nitrobenzene

AREA UPPER LIMIT=+50% of internal standard area
AREA LOWER LIMIT=-50% of internal standard area
RT UPPER LIMIT=+.50 minutes of internal standard RT
RT LOWER LIMIT=-.50 minutes of internal standard RT
*Values outside of QC limits

MDL Study for Pesticides in Soil

Instrument: 5890 / DualECD (ECD2 A) Spiked Amount: Analytes = 0.01ppm

Date: 02/16/11 Spiked Amount: Surrogates = 0.05ppm

Data File:	021511A\						
	009F0901.D	010F1001.D	011F1101.D	012F1201.D	013F1301.D	014F1401.D	015F1501.D

	Compound	MDL1	MDL2	MDL3	MDL4	MDL5	MDL6	MDL7	STD DEV	**MDL**	MRL	PASS?
1	Tetrachloro-m-xylene	0.0368	0.0480	0.0455	0.0509	0.0472	0.0492	0.0435	0.0047	**0.0157**	N/A	N/A
2	alpha-BHC	0.0111	0.0105	0.0116	0.0113	0.0105	0.0164	0.0104	0.0021	**0.0071**	0.0100	Pass
3	gamma-BHC	0.0100	0.0096	0.0106	0.0097	0.0094	0.0133	0.0090	0.0014	**0.0048**	0.0100	Pass
4	beta-BHC	0.0131	0.0124	0.0135	0.0120	0.0122	0.0130	0.0107	0.0009	**0.0031**	0.0100	Pass
5	delta-BHC	0.0128	0.0127	0.0132	0.0123	0.0124	0.0183	0.0118	0.0022	**0.0075**	0.0100	Pass
6	Heptachlor	0.0100	0.0090	0.0106	0.0091	0.0084	0.0064	0.0074	0.0015	**0.0049**	0.0100	Pass
7	Aldrin	0.0119	0.0112	0.0123	0.0111	0.0105	0.0132	0.0098	0.0011	**0.0038**	0.0100	Pass
8	Heptachlor Epoxide	0.0117	0.0112	0.0125	0.0107	0.0104	0.0078	0.0093	0.0015	**0.0052**	0.0100	Pass
9	gamma-Chlordane	0.0125	0.0122	0.0132	0.0115	0.0114	0.0100	0.0102	0.0012	**0.0039**	0.0100	Pass
10	alpha-Chlordane	0.0120	0.0118	0.0127	0.0109	0.0108	0.0086	0.0097	0.0014	**0.0047**	0.0100	Pass
11	4,4'-DDE	0.0155	0.0153	0.0160	0.0147	0.0146	0.0196	0.0138	0.0019	**0.0064**	0.0100	Pass
12	Endosulfan I	0.0124	0.0120	0.0131	0.0114	0.0112	0.0098	0.0102	0.0012	**0.0039**	0.0100	Pass
13	Dieldrin	0.0137	0.0134	0.0143	0.0128	0.0126	0.0139	0.0117	0.0009	**0.0031**	0.0100	Pass
14	Endrin	0.0129	0.0127	0.0136	0.0121	0.0119	0.0127	0.0110	0.0008	**0.0028**	0.0100	Pass
15	4,4'-DDD	0.0161	0.0158	0.0165	0.0152	0.0152	0.0200	0.0142	0.0019	**0.0062**	0.0100	Pass
16	Endosulfan II	0.0128	0.0125	0.0134	0.0117	0.0117	0.0094	0.0105	0.0014	**0.0046**	0.0100	Pass
17	4,4'-DDT	0.0134	0.0128	0.0136	0.0123	0.0122	0.0142	0.0114	0.0010	**0.0032**	0.0100	Pass
18	Endrin Aldehyde	0.0103	0.0094	0.0103	0.0088	0.0094	0.0047	0.0078	0.0020	**0.0066**	0.0100	Pass
19	Methoxychlor	0.0120	0.0108	0.0117	0.0103	0.0101	0.0053	0.0090	0.0023	**0.0076**	0.0100	Pass
20	Endosulfan Sulfate	0.0139	0.0128	0.0137	0.0121	0.0122	0.0092	0.0107	0.0017	**0.0056**	0.0100	Pass
21	Endrin Ketone	0.0118	0.0110	0.0117	0.0102	0.0103	0.0076	0.0091	0.0015	**0.0050**	0.0100	Pass
22	Decachlorobiphenyl	0.0108	0.1027	0.0963	0.0951	0.0992	0.0626	0.0875	0.0330	**0.1107**	N/A	N/A

MDL Study for Pesticides in Soil

Instrument: 5890 / DualECD (ECD2 B) Spiked Amount: Analytes = 0.01ppm

Date: 02/16/11 Spiked Amount: Surrogates = 0.05ppm

	Compound	MDL1	MDL2	MDL3	MDL4	MDL5	MDL6	MDL7	STD DEV	**MDL**	MRL	PASS?
1	Tetrachloro-m-xylene	0.0358	0.0474	0.0463	0.0500	0.0473	0.0489	0.0431	0.0048	**0.0161**	N/A	N/A
2	alpha-BHC	0.0122	0.0117	0.0128	0.0119	0.0117	0.0186	0.0111	0.0026	**0.0087**	0.0100	Pass
3	gamma-BHC	0.0110	0.0106	0.0116	0.0107	0.0105	0.0152	0.0099	0.0018	**0.0059**	0.0100	Pass
4	beta-BHC	0.0148	0.0143	0.0153	0.0139	0.0142	0.0185	0.0129	0.0018	**0.0059**	0.0100	Pass
5	delta-BHC	0.0141	0.0139	0.0146	0.0136	0.0138	0.0205	0.0130	0.0026	**0.0086**	0.0100	Pass
6	Heptachlor	0.0112	0.0102	0.0118	0.0102	0.0096	0.0094	0.0086	0.0011	**0.0036**	0.0100	Pass
7	Aldrin	0.0131	0.0124	0.0137	0.0124	0.0119	0.0161	0.0112	0.0016	**0.0054**	0.0100	Pass
8	Heptachlor Epoxide	0.0125	0.0119	0.0132	0.0114	0.0112	0.0105	0.0101	0.0011	**0.0036**	0.0100	Pass
9	gamma-Chlordane	0.0135	0.0131	0.0140	0.0123	0.0124	0.0131	0.0113	0.0009	**0.0030**	0.0100	Pass
10	alpha-Chlordane	0.0130	0.0126	0.0136	0.0118	0.0118	0.0115	0.0107	0.0010	**0.0033**	0.0100	Pass
11	Endosulfan I	0.0132	0.0127	0.0138	0.0121	0.0120	0.0125	0.0110	0.0009	**0.0030**	0.0100	Pass
12	4,4'-DDE	0.0161	0.0157	0.0165	0.0150	0.0151	0.0202	0.0142	0.0020	**0.0066**	0.0100	Pass
13	Dieldrin	0.0146	0.0141	0.0151	0.0135	0.0134	0.0162	0.0125	0.0012	**0.0041**	0.0100	Pass
14	Endrin	0.0141	0.0136	0.0146	0.0130	0.0130	0.0150	0.0120	0.0010	**0.0035**	0.0100	Pass
15	4,4'-DDD	0.0169	0.0164	0.0172	0.0157	0.0158	0.0207	0.0147	0.0019	**0.0065**	0.0100	Pass
16	Endosulfan II	0.0141	0.0134	0.0145	0.0127	0.0128	0.0123	0.0115	0.0010	**0.0035**	0.0100	Pass
17	4,4'-DDT	0.0149	0.0143	0.0151	0.0137	0.0138	0.0180	0.0130	0.0016	**0.0055**	0.0100	Pass
18	Endrin Aldehyde	0.0115	0.0107	0.0118	0.0102	0.0104	0.0085	0.0090	0.0012	**0.0040**	0.0100	Pass
19	Endosulfan Sulfate	0.0149	0.0139	0.0150	0.0131	0.0133	0.0119	0.0118	0.0013	**0.0043**	0.0100	Pass
20	Methoxychlor	0.0138	0.0124	0.0135	0.0119	0.0121	0.0094	0.0107	0.0016	**0.0052**	0.0100	Pass
21	Endrin Ketone	0.0130	0.0125	0.0133	0.0118	0.0120	0.0118	0.0108	0.0008	**0.0028**	0.0100	Pass
22	Decachlorobiphenyl	0.1041	0.0986	0.0934	0.0908	0.0960	0.0620	0.0836	0.0138	**0.0464**	N/A	N/A

Toxaphene MDL Study

Instrument: 5890 / DualECD
Date: 02/16/11

Spiked Amount: Analytes = 0.100ppm
Spiked Amount: Surrogates = 0.05ppm

Soil Data File:	016F1601.D	017F1701.D	018F1801.D	019F1901.D	020F2001.D	021F2101.D	022F2201.D	in 021511A folder
Water Data File:	028F3201.D	029F3301.D	030F3401.D	031F3501.D	032F3601.D	033F3701.D	034F3801.D	in 013111A folder

Compound	MDL1	MDL2	MDL3	MDL4	MDL5	MDL6	MDL7	STD DEV	**MDL**	MRL	PASS?
Toxaphene Soil A	0.1135	0.0797	0.1203	0.1116	0.1053	0.1263	0.1127	0.0149	**0.0501**	0.100	Pass
Toxaphene Soil B	0.1163	0.0819	0.1188	0.1154	0.1068	0.1201	0.1129	0.0133	**0.0446**	0.100	Pass
Toxaphene Water A	0.0879	0.0819	0.1163	0.0740	0.1216	0.0678	0.0937	0.0204	**0.0685**	0.100	Pass
Toxaphene Water B	0.0996	0.0951	0.1280	0.0927	0.1067	0.0783	0.1087	0.0155	**0.0521**	0.100	Pass

PESTICIDES

SAMPLE DATA

PARADIGM
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Pesticide Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc.

Client Job Site:	690 St. Paul St.	**Lab Project Number:**	11-5230A
		Lab Sample Number:	17276
Client Job Number:	209280		
Field Location:	AOC1-CS-8	**Date Sampled:**	12/02/2011
Field ID Number:	N/A	**Date Received:**	12/02/2011
Sample Type:	Soil	**Date Analyzed:**	12/05/2011

Pesticide Identification	Results in ug / Kg
Aldrin	< 3.08
alpha-BHC	< 3.08
beta-BHC	< 3.08
delta-BHC	< 3.08
gamma-BHC	< 3.08
gamma-Chlordane	< 3.08
alpha-Chlordane	< 3.08
4,4'-DDD	< 3.08
4,4'-DDE	< 3.08
4,4'-DDT	J 1.98
Dieldrin	< 3.08
Endosulfan I	< 3.08
Endosulfan II	< 3.08
Endosulfan Sulfate	< 3.08
Endrin	< 3.08
Endrin Aldehyde	< 3.08
Endrin Ketone	< 3.08
Heptachlor	< 3.08
Heptachlor Epoxide	< 3.08
Methoxychlor	< 3.08
Toxaphene	< 15.4

ELAP Number 10958

Analytical Method: EPA 8081B
Prep Method: EPA 3550C

Comments: ug / Kg = microgram per Kilogram
Surrogate outliers indicate probable matrix interference

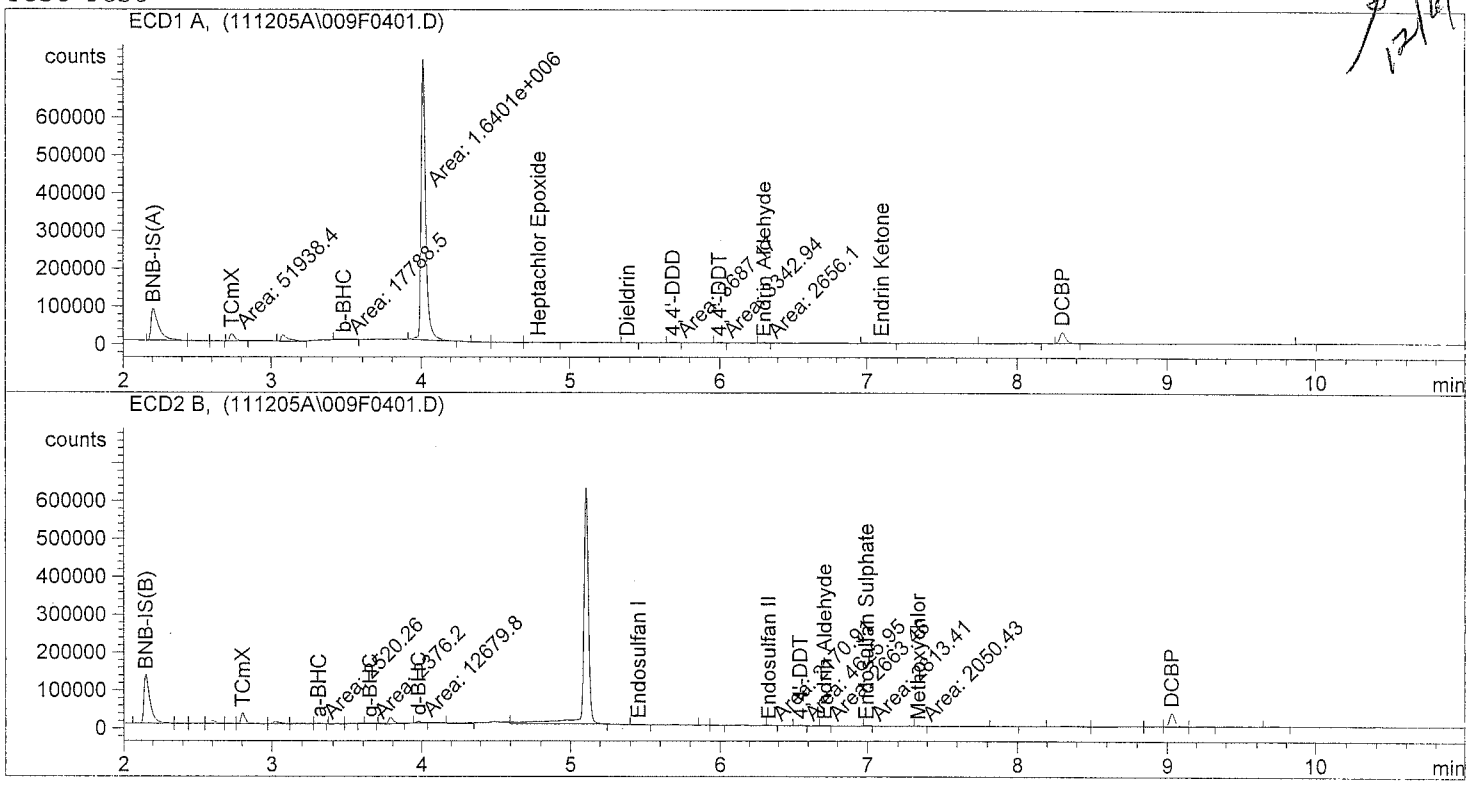
Signature: _____

Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

surrout 12/7

Injection Date : 12/5/2011 5:10:36 PM Seq. Line : 4
Sample Name : 17276 lab ~~5141A~~ 5230A 12/6/11 EE 350 10 mL Location : Vial 9
Acq. Operator : G.J.Brien Inj : 1
Acq. Instrument : Dual ECD 1 Inj Volume : 2 µl
Acq. Method : C:\HPCHEM\1\METHODS\PSTRUN.M
Last changed : 7/22/2010 11:35:51 AM by M.Miller
Analysis Method : C:\HPCHEM\1\METHODS\P1118ISA.M
Last changed : 11/18/2011 11:07:25 AM by M.Miller
Test Pest



Internal Standard Report

Sorted By : Signal
Calib. Data Modified : Friday, November 18, 2011 11:02:29 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:

ISTD #	ISTD Amount [ng/ul]	Name
2	1.00000e-1	BNB-IS(B)
1	1.00000e-1	BNB-IS(A)

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.207	VV I	3.16896e5	1.00000	1.00000e-1		BNB-IS(A)
2.737	MM	5.19384e4	1.07031	1.75422e-2		TCmX — ↓ 35.1%
3.163		-	-	-		a-BHC
3.425		-	-	-		g-BHC
3.475	MM	1.77885e4	1.99227	~~1.11834e-2~~ NC		b-BHC
3.661		-	-	-		d-BHC
3.845		-	-	-		Heptachlor

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
4.131		-	-	-		Aldrin
4.787	BP	4626.14111	0.00000	0.00000		Heptachlor Epoxide
4.856		-	-	-		g-Chlordane
4.992		-	-	-		a-Chlordane
5.078		-	-	-		4,4'-DDE
5.133		-	-	-		Endosulfan I
5.384	VV	2307.60352	3.95209	~~2.87787e-3~~ ve		Dieldrin
5.637		-	-	-		Endrin
5.687	MM	3687.17212	8.96363	~~1.04294e-2~~ ve		4,4'-DDD
5.878		-	-	-		Endosulfan II
5.997	MM	3342.94238	6.10025	6.43517e-3 DRL		4,4'-DDT — (J)
6.304	MM	2656.10400	5.03946e-1	~~4.22389e-4~~ ve		Endrin Aldehyde
6.569		-	-	-		Methoxychlor
6.819		-	-	-		Endosulfan Sulphate
7.096	VV	6790.29639	1.12100	~~2.40202e-3~~ ve		Endrin Ketone
8.305	BB	8.05672e4	1.02864	2.61522e-2		DCBP ✓ 52.3%

Totals without ISTD(s) : 7.74446e-2

Results obtained with enhanced integrator!

Signal 2: ECD2 B,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.153	BV I	3.84400e5	1.00000	1.00000e-1		BNB-IS(B)
2.805	VP	6.48062e4	1.08707	1.83270e-2		TCmX
3.308	MM	2520.26367	4.26075	2.79350e-3		a-BHC
3.648	MM	2376.19995	2.17026	1.34156e-3		g-BHC
3.698		-	-	-		b-BHC
3.979	MM	1.26798e4	2.19595	7.24358e-3		d-BHC
4.076		-	-	-		Heptachlor
4.413		-	-	-		Aldrin
5.015		-	-	-		Heptachlor Epoxide
5.216		-	-	-		g-Chlordane
5.373		-	-	-		a-Chlordane
5.452	PP	2609.16699	2.85246e-1	1.93615e-4		Endosulfan I
5.544		-	-	-		4,4'-DDE
5.748		-	-	-		Dieldrin
6.077		-	-	-		Endrin
6.197		-	-	-		4,4'-DDD
6.334	MM	2170.90625	0.00000	0.00000		Endosulfan II
6.547	MM	4625.95410	4.26904	(5.13746e-3)		4,4'-DDT
6.712	MM	2663.45947	2.61326e-1	1.81069e-4		Endrin Aldehyde
6.993	MM	2813.41089	1.36113	9.96209e-4		Endosulfan Sulphate
7.338	MM	2050.43433	6.07767e-1	3.24190e-4		Methoxychlor
7.621		-	-	-		Endrin Ketone
9.031	VB	9.69621e4	1.40675	3.54843e-2		DCBP

Totals without ISTD(s) : 7.20225e-2

Results obtained with enhanced integrator!
5 Warnings or Errors :

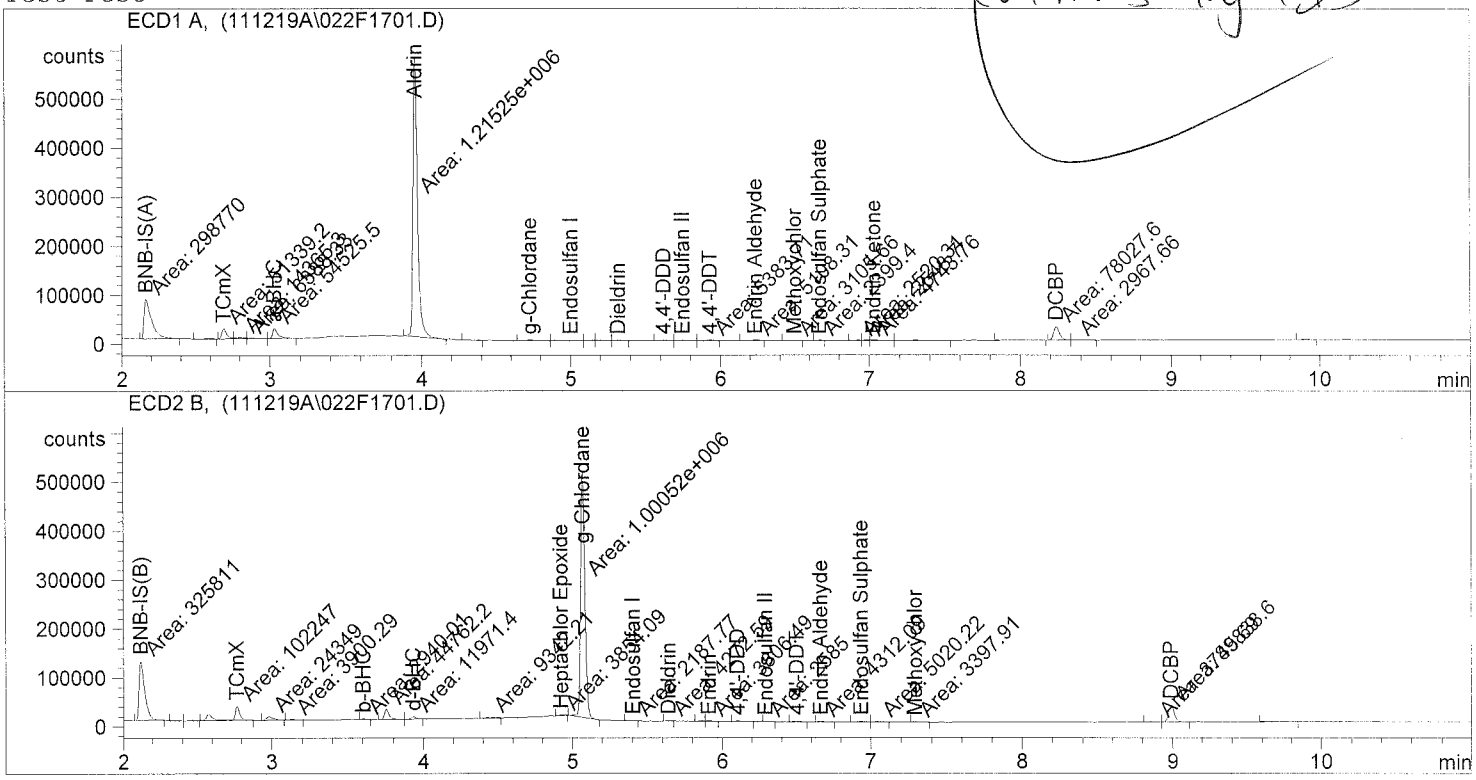
Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
Warning : Elution order of calibrated compounds may have changed
Warning : Negative results set to zero (cal. curve intercept), (Heptachlor Epoxide)
Warning : Negative results set to zero (cal. curve intercept), (Endosulfan II)

==========

*** End of Report ***

```
==============================================================================
Injection Date  : 12/19/2011 9:10:02 PM          Seq. Line :  17
Sample Name     : s17276 lab                      Location : Vial 22
Acq. Operator   : G.J.Brien                           Inj :  1
Acq. Instrument : Dual ECD 1                  Inj Volume : 2 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PSTRUN.M
Last changed    : 7/22/2010 11:35:51 AM by M.Miller
Analysis Method : C:\HPCHEM\1\METHODS\P1220ISA.M
Last changed    : 12/21/2011 10:00:52 AM by G.J.Brien
Test Pest
```

confirms high IS




```
==============================================================================
                        Internal Standard Report
==============================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, December 21, 2011 9:59:01 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount    Name
  #     [ng/ul]
----|-------------|-------------------------
  2   1.00000e-1   BNB-IS(B)
  1   1.00000e-1   BNB-IS(A)


Signal 1: ECD1 A,

RetTime  Type      Area       Amt/Area     Amount    Grp   Name
 [min]           counts*s      ratio      [ng/ul]
-------|------|----------|-------------|----------|--|------------------
  2.166 MM    I 2.98770e5    1.00000 1.00000e-1     BNB-IS(A)
  2.691 MF      5.13392e4  8.50198e-1 1.46094e-2     TCmX
  3.029 MM      5.45255e4  9.24268e-1 1.68679e-2     a-BHC
  3.332           -          -          -           g-BHC
  3.406           -          -          -           b-BHC
  3.564           -          -          -           d-BHC
  3.745           -          -          -           Heptachlor
```

NC

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
3.956	MM	1.21525e6	9.25126e-1	~~3.76297e-1~~	NC	Aldrin
4.614		-	-	-		Heptachlor Epoxide
4.724	BP	4742.33887	0.00000	0.00000		g-Chlordane
4.879		-	-	-		a-Chlordane
4.965		-	-	-		4,4'-DDE
5.000	BP	3773.49634	0.00000	0.00000		Endosulfan I
5.317	VP	2311.94238	1.46779e-1	~~1.13580e-4~~	NC	Dieldrin
5.517		-	-	-		Endrin
5.619	BV	4348.27002	4.41946	~~6.43203e-3~~		~~4,4'-DDD~~ INCORR BLC
5.746	VV	2788.99854	0.00000	0.00000		Endosulfan II
5.927	MF	5383.71143	1.59315	2.87078e-3	BLC	4,4'-DDT
6.232	MF	5108.31201	0.00000	0.00000		Endrin Aldehyde
6.495	MF	3105.65503	0.00000	0.00000		Methoxychlor
6.666	MF	2399.39600	0.00000	0.00000		Endosulfan Sulphate
7.029	FM	4743.75635	0.00000	0.00000		Endrin Ketone
8.237	MF	7.80276e4	8.11439e-1	2.11917e-2		DCBP

Totals without ISTD(s) : 4.38382e-1

Results obtained with enhanced integrator!

Signal 2: ECD2 B,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.119	MM I	3.25811e5	1.00000	1.00000e-1		BNB-IS(B)
2.769	MM	1.02247e5	9.14355e-1	2.86947e-2		TCmX
3.234		-	-	-		a-BHC
3.552		-	-	-		g-BHC
3.605	MM	2940.01074	0.00000	0.00000		b-BHC
3.933	VM	1.19714e4	1.28112	4.70725e-3		d-BHC
3.994		-	-	-		Heptachlor
4.328		-	-	-		Aldrin
4.924	MM	3854.09180	0.00000	0.00000		Heptachlor Epoxide
5.072	MM	1.00052e6	1.02695	3.15361e-1		g-Chlordane
5.284		-	-	-		a-Chlordane
5.405	MF	2187.76831	0.00000	0.00000		Endosulfan I
5.458		-	-	-		4,4'-DDE
5.642	MF	4272.58936	0.00000	0.00000		Dieldrin
5.909	MF	3806.48560	0.00000	0.00000		Endrin
6.102	VP	3614.26807	2.54673	2.82512e-3	BLC	4,4'-DDD
6.292	MF	2585.00244	0.00000	0.00000		Endosulfan II
6.501	VP	5365.48584	1.00799	1.65998e-3	BLC	4,4'-DDT
6.664	MF	4312.09424	0.00000	0.00000		Endrin Aldehyde
6.935	VV	5509.16650	0.00000	0.00000		Endosulfan Sulphate
7.290	FM	3397.91235	0.00000	0.00000		Methoxychlor
7.525		-	-	-		Endrin Ketone
8.989	FM	8.98386e4	1.06797	2.94480e-2		DCBP

Totals without ISTD(s) : 3.82696e-1

Results obtained with enhanced integrator!
19 Warnings or Errors (10 first messages follow) :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
Warning : Elution order of calibrated compounds may have changed
Warning : Negative results set to zero (cal. curve intercept), (b-BHC)
Warning : Negative results set to zero (cal. curve intercept), (g-Chlordane)
Warning : Negative results set to zero (cal. curve intercept), (Heptachlor Epoxide)
Warning : Negative results set to zero (cal. curve intercept), (Endosulfan I)
Warning : Negative results set to zero (cal. curve intercept), (Endosulfan I)
Warning : Negative results set to zero (cal. curve intercept), (Dieldrin)
Warning : Negative results set to zero (cal. curve intercept), (Endosulfan II)

==========

*** End of Report ***

PARADIGM
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Pesticide Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc.

Client Job Site: 690 St. Paul St.
Client Job Number: 209280
Field Location: AOC1-CS-9
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5230A
Lab Sample Number: 17277

Date Sampled: 12/02/2011
Date Received: 12/02/2011
Date Analyzed: 12/05/2011

Pesticide Identification	Results in ug / Kg
Aldrin	< 3.08
alpha-BHC	< 3.08
beta-BHC	< 3.08
delta-BHC	< 3.08
gamma-BHC	< 3.08
gamma-Chlordane	< 3.08
alpha-Chlordane	< 3.08
4,4'-DDD	< 3.08
4,4'-DDE	< 3.08
4,4'-DDT	< 3.08
Dieldrin	< 3.08
Endosulfan I	< 3.08
Endosulfan II	< 3.08
Endosulfan Sulfate	< 3.08
Endrin	< 3.08
Endrin Aldehyde	< 3.08
Endrin Ketone	< 3.08
Heptachlor	< 3.08
Heptachlor Epoxide	< 3.08
Methoxychlor	< 3.08
Toxaphene	< 15.4

ELAP Number 10958

Analytical Method: EPA 8081B
Prep Method: EPA 3550C

Comments: ug / Kg = microgram per Kilogram

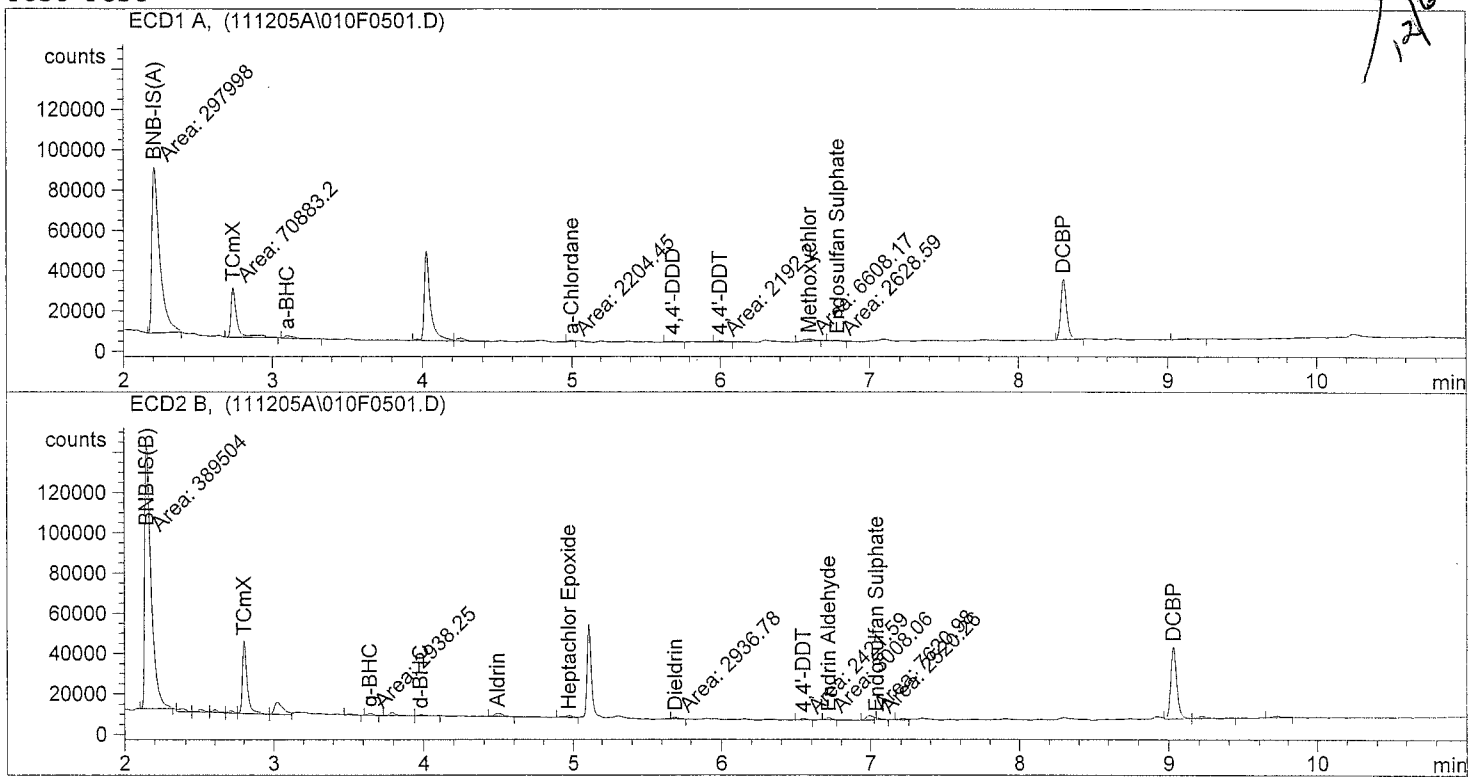
Signature:

Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

```
Injection Date  : 12/5/2011 5:26:40 PM          Seq. Line :   5
Sample Name     : 17277 lab ~~5141A~~ 5230A      Location : Vial 10
Acq. Operator   : G.J.Brien                        Inj :   1
Acq. Instrument : Dual ECD 1                  Inj Volume : 2 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PSTRUN.M
Last changed    : 7/22/2010 11:35:51 AM by M.Miller
Analysis Method : C:\HPCHEM\1\METHODS\P1118ISA.M
Last changed    : 11/18/2011 11:07:25 AM by M.Miller
Test Pest
```

12/6/11 35.1 10mL



Internal Standard Report

```
Sorted By             :      Signal
Calib. Data Modified  :      Friday, November 18, 2011 11:02:29 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
```

ISTD #	ISTD Amount [ng/ul]	Name
2	1.00000e-1	BNB-IS(B)
1	1.00000e-1	BNB-IS(A)

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.206	MM I	2.97998e5	1.00000	1.00000e-1		BNB-IS(A) ✓
2.735	MM	7.08832e4	1.09698	2.60934e-2		TCmX 52.2%
3.099	VB	6572.58496	2.98344	~~6.58021e-3~~	nc	a-BHC
3.425		-	-	-		g-BHC
3.499		-	-	-		b-BHC
3.661		-	-	-		d-BHC
3.845		-	-	-		Heptachlor

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
4.131		-	-	-		Aldrin
4.727		-	-	-		Heptachlor Epoxide
4.856		-	-	-		g-Chlordane
4.995	MM	2204.45020	0.00000	0.00000		a-Chlordane
5.078		-	-	-		4,4'-DDE
5.133		-	-	-		Endosulfan I
5.387		-	-	-		Dieldrin
5.637		-	-	-		Endrin
5.688	PV	2168.05103	13.43054	~~9.77123e-3~~	NC	4,4'-DDD
5.878		-	-	-		Endosulfan II
5.997	MM	2192.19556	8.19337	~~6.02738e-3~~	NC	4,4'-DDT
6.337		-	-	-		Endrin Aldehyde
6.591	MM	6608.16699	2.71122	~~6.01219e-3~~	NC	Methoxychlor
6.782	MM	2628.59204	2.03138	~~1.79185e-3~~	NC	Endosulfan Sulphate
7.139		-	-	-		Endrin Ketone
8.304	BB	8.35666e4	1.05934	2.97068e-2		DCBP 59.4%

Totals without ISTD(s) : 8.59830e-2

Results obtained with enhanced integrator!

Signal 2: ECD2 B,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.150	MM I	3.89504e5	1.00000	1.00000e-1		BNB-IS(B)
2.804	VP	7.99061e4	1.12339	2.30462e-2		TCmX
3.304		-	-	-		a-BHC
3.645	MM	2938.25024	1.96929	1.48555e-3		g-BHC
3.698		-	-	-		b-BHC
3.980	VB	2360.16797	7.23600	4.38459e-3		d-BHC
4.076		-	-	-		Heptachlor
4.491	BP	6655.93311	1.45309	2.48307e-3		Aldrin
4.972	BV	4382.55713	0.00000	0.00000		Heptachlor Epoxide
5.216		-	-	-		g-Chlordane
5.373		-	-	-		a-Chlordane
5.448		-	-	-		Endosulfan I
5.544		-	-	-		4,4'-DDE
5.693	MM	2936.77515	2.90993	2.19402e-3		Dieldrin
6.077		-	-	-		Endrin
6.197		-	-	-		4,4'-DDD
6.316		-	-	-		Endosulfan II
6.547	MM	2421.59302	6.83033	4.24649e-3		4,4'-DDT
6.712	MM	3008.06152	4.30623e-1	3.32561e-4		Endrin Aldehyde
7.038	MM	2520.25732	1.31110	8.48337e-4		Endosulfan Sulphate
7.310		-	-	-		Methoxychlor
7.621		-	-	-		Endrin Ketone
9.031	VV	9.77422e4	1.40529	3.52643e-2		DCBP

Totals without ISTD(s) : 7.42852e-2

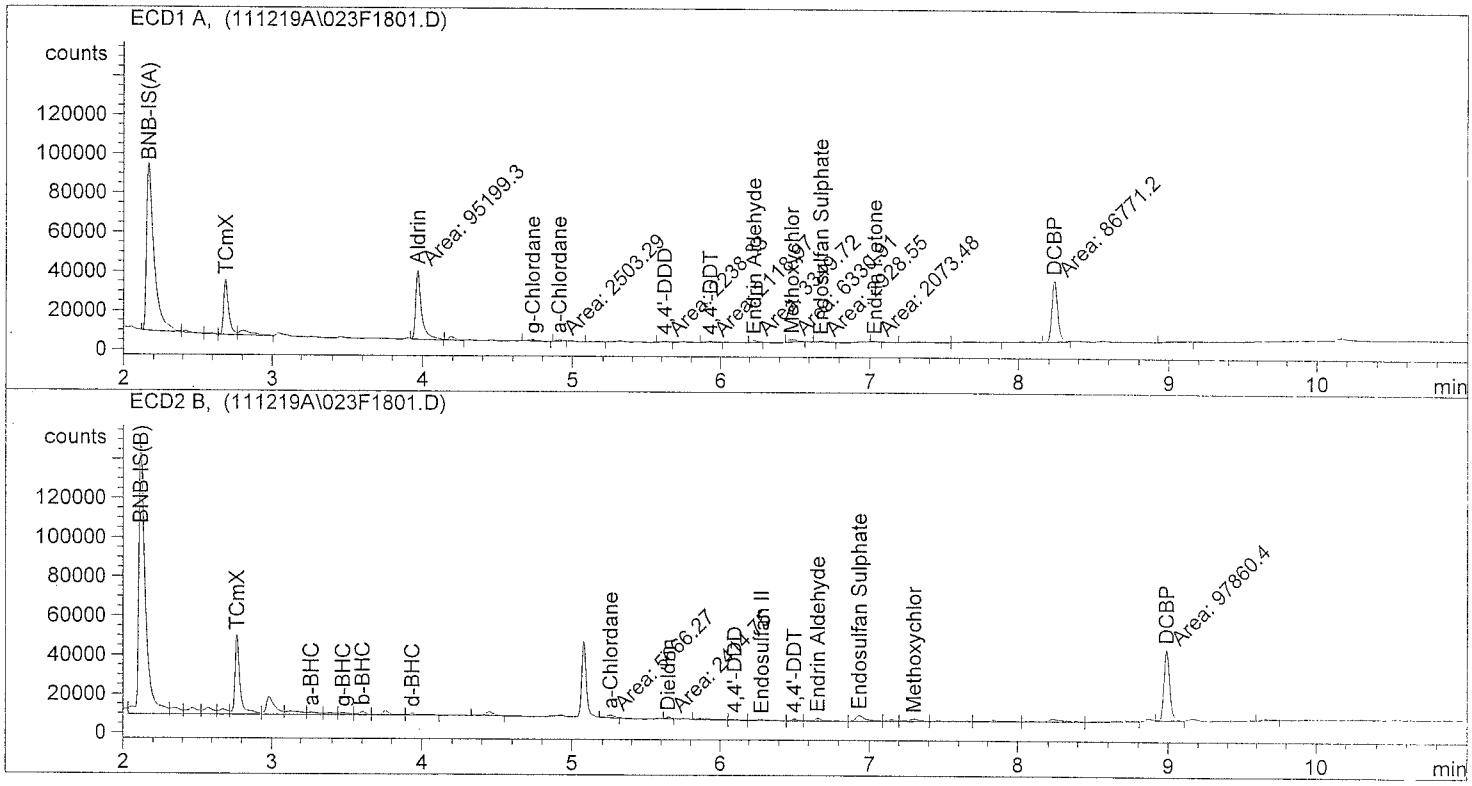
Results obtained with enhanced integrator!
5 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
Warning : Elution order of calibrated compounds may have changed
Warning : Negative results set to zero (cal. curve intercept), (Heptachlor Epoxide)
Warning : Negative results set to zero (cal. curve intercept), (a-Chlordane)

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*** End of Report ***

```
Injection Date  : 12/19/2011 9:25:59 PM          Seq. Line :  18
Sample Name     : s17277 lab                     Location : Vial 23
Acq. Operator   : G.J.Brien                          Inj :   1
Acq. Instrument : Dual ECD 1                  Inj Volume : 2 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PSTRUN.M
Last changed    : 7/22/2010 11:35:51 AM by M.Miller
Analysis Method : C:\HPCHEM\1\METHODS\P1118ISB.M
Last changed    : 12/20/2011 5:15:17 PM by G.J.Brien
Test Pest
```



Internal Standard Report

```
Sorted By             :      Signal
Calib. Data Modified  :      12/20/2011 5:15:07 PM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
```

ISTD #	ISTD Amount [ng/ul]	Name
2	1.00000e-1	BNB-IS(B)
1	1.00000e-1	BNB-IS(A)

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.166	VV	3.01212e5	1.00000	1.00000e-1		BNB-IS(A)
2.690	VV	6.46925e4	1.09063	2.34239e-2		TCmX
3.080		-	-	-		a-BHC
3.330		-	-	-		g-BHC
3.410		-	-	-		b-BHC
3.560		-	-	-		d-BHC
3.750		-	-	-		Heptachlor

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
3.968	MM	9.51993e4	1.12358	3.55111e-2		Aldrin
4.620		-	-	-		Heptachlor Epoxide
4.729	BP	2535.25537	6.78376e-1	5.70979e-4		g-Chlordane
4.914	MM	2503.29102	0.00000	0.00000		a-Chlordane
4.970		-	-	-		4,4'-DDE
5.030		-	-	-		Endosulfan I
5.270		-	-	-		Dieldrin
5.520		-	-	-		Endrin
5.620	MM	2238.32617	13.18080	9.79473e-3		4,4'-DDD
5.760		-	-	-		Endosulfan II
5.928	MM	2118.97363	8.50953	5.98630e-3		4,4'-DDT
6.231	MM	3349.72144	7.77043e-1	8.64134e-4		Endrin Aldehyde
6.481	MM	6330.91162	2.73433	5.74705e-3		Methoxychlor
6.682	MM	2928.54980	1.97951	1.92459e-3		Endosulfan Sulphate
7.033	MM	2073.48462	9.13889e-1	6.29103e-4		Endrin Ketone
8.236	MM	8.67712e4	1.06725	3.07447e-2		DCBP

Totals without ISTD(s) : 1.15197e-1

Results obtained with enhanced integrator!

Signal 2: ECD2 B,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.119	BV I	4.34348e5	1.00000	1.00000e-1		BNB-IS(B)
2.769	VV	9.68069e4	1.13672	2.53351e-2		TCmX
3.267	VV	6585.45752	2.37811	3.60563e-3		a-BHC
3.471	VV	5515.86768	1.59898	2.03058e-3		g-BHC
3.604	VV	6492.10156	1.77468	2.65257e-3		b-BHC
3.937	VP	5838.51172	3.84500	5.16845e-3		d-BHC
4.000		-	-	-		Heptachlor
4.325		-	-	-		Aldrin
4.925		-	-	-		Heptachlor Epoxide
5.120		-	-	-		g-Chlordane
5.253	MM	5666.26904	3.67391e-1	4.79279e-4		a-Chlordane
5.350		-	-	-		Endosulfan I
5.460		-	-	-		4,4'-DDE
5.647	MM	2414.75073	3.47159	1.93003e-3		Dieldrin
5.985		-	-	-		Endrin
6.101	BV	2646.65234	9.81792	5.98245e-3		4,4'-DDD
6.286	VP	4961.87256	5.18630e-1	5.92469e-4		Endosulfan II
6.502	VV	3532.97485	5.58163	4.54008e-3		4,4'-DDT
6.664	VP	6937.27490	1.19374	1.90660e-3		Endrin Aldehyde
6.932	VV	1.38118e4	1.65482	5.26217e-3		Endosulfan Sulphate
7.298	VV	7393.81445	2.28243	3.88534e-3		Methoxychlor
7.520		-	-	-		Endrin Ketone
8.989	MM	9.78604e4	1.37314	3.09373e-2		DCBP

Totals without ISTD(s) : 9.43081e-2

Results obtained with enhanced integrator!
4 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
Warning : Elution order of calibrated compounds may have changed
Warning : Negative results set to zero (cal. curve intercept), (a-Chlordane)

==========

*** End of Report ***

PESTICIDES

STANDARDS DATA

6E

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Client Project Name: 690 St. Paul St.

Lab Project #: 11-5230A Client Project #: 209280

Instrument ID: Instrument 1 Level: low

GC Column: Rtx-CLP ID: (mm) 0.25-narrow bore Date Analyzed: 11/17/2011

Detector: ECD1 A P1118ISA.M

COMPOUND:	RT STD	RT FROM	WINDOW TO
alpha-BHC	3.16	3.11	3.21
beta-BHC	3.50	3.45	3.55
delta-BHC	3.66	3.61	3.71
gamma-BHC (Lindane)	3.43	3.38	3.48
Heptachlor	3.85	3.80	3.90
Aldrin	4.13	4.08	4.18
Heptachlor Epoxide	4.73	4.66	4.80
Endosulfan I	5.13	5.06	5.20
Dieldren	5.39	5.32	5.46
4,4'-DDE	5.08	5.01	5.15
Endrin	5.64	5.57	5.71
Endosulfan II	5.88	5.81	5.95
4,4'-DDD	5.72	5.65	5.79
Endosulfan sulfate	6.82	6.75	6.89
4,4'-DDT	6.02	5.95	6.09
Methoxychlor	6.57	6.50	6.64
Endrin ketone	7.14	7.07	7.21
Endrin aldehyde	6.34	6.27	6.41
alpha-Chlordane	4.99	4.92	5.06
gamma-Chlordane	4.86	4.79	4.93
Tetrachloro-m-xylene	2.74	2.69	2.79
Decachlorobiphenyl	8.31	8.21	8.41

retention time windows are +/- 0.05 minutes for all compounds that elute before Heptachlor epoxide, +/- 0.07 minutes for all other compounds, except +/- 0.10 minutes for Decachlorobiphenyl.

6E

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Client Project Name: 690 St. Paul St.

Lab Project #: 11-5230A Client Project #: 209280

Instrument ID: Instrument 1 Level: low

GC Column: Rtx-CLP ID: (mm) 0.25-narrow bore Date Analyzed: 11/17/2011

Detector: ECD2 B P1118ISA.M

COMPOUND:	RT STD	RT FROM	WINDOW TO
alpha-BHC	3.30	3.25	3.35
beta-BHC	3.70	3.65	3.75
delta-BHC	3.98	3.93	4.03
gamma-BHC (Lindane)	3.63	3.58	3.68
Heptachlor	4.08	4.03	4.13
Aldrin	4.41	4.36	4.46
Heptachlor Epoxide	5.02	4.95	5.09
Endosulfan I	5.45	5.38	5.52
Dieldren	5.75	5.68	5.82
4,4'-DDE	5.54	5.47	5.61
Endrin	6.08	6.01	6.15
Endosulfan II	6.32	6.25	6.39
4,4'-DDD	6.20	6.13	6.27
Endosulfan sulfate	7.04	6.97	7.11
4,4'-DDT	6.55	6.48	6.62
Methoxychlor	7.31	7.24	7.38
Endrin ketone	7.62	7.55	7.69
Endrin aldehyde	6.70	6.63	6.77
alpha-Chlordane	5.37	5.30	5.44
gamma-Chlordane	5.22	5.15	5.29
Tetrachloro-m-xylene	2.81	2.76	2.86
Decachlorobiphenyl	9.04	8.94	9.14

retention time windows are +/- 0.05 minutes for all compounds that elute before Heptachlor epoxide, +/- 0.07 minutes for all other compounds, except +/- 0.10 minutes for Decachlorobiphenyl.

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Client Project Name: 690 St. Paul St.

Lab Project #: 11-5230A Client Project #: 209280

GC Column: Rtx-CLP ID: (mm) 0.25 Initial Calibration Date: 11/17/2011

Detector: ECD1 A -narrow bore P1118ISA.M

LAB File ID: 111205A\004F0501.D Date Analyzed: 12/5/2011

LAB #/Cal ID: Pest CCal 0.100 ppm Time Analyzed: 15:22

COMPOUND	RT	PASS FAIL	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D	PASS FAIL
alpha-BHC	3.16	Pass	0.100	0.100	-0.2	Pass
gamma-BHC(Lindane)	3.42	Pass	0.099	0.100	-0.9	Pass
Heptachlor	3.84	Pass	0.098	0.100	-2.0	Pass
Endosulfan I	5.12	Pass	0.097	0.100	-3.1	Pass
Dieldren	5.38	Pass	0.096	0.100	-3.5	Pass
Endrin	5.63	Pass	0.096	0.100	-4.3	Pass
4,4'-DDD	5.71	Pass	0.097	0.100	-3.0	Pass
4,4'-DDT	6.01	Pass	0.089	0.100	-10.7	Pass
Methoxychlor	6.56	Pass	0.091	0.100	-8.7	Pass
beta-BHC	3.49	Pass	0.096	0.100	-4.1	Pass
delta-BHC	3.66	Pass	0.096	0.100	-3.7	Pass
Aldrin	4.12	Pass	0.099	0.100	-1.0	Pass
Heptachlor epoxide	4.72	Pass	0.098	0.100	-2.2	Pass
4,4'-DDE	5.07	Pass	0.103	0.100	3.2	Pass
Endosulfan II	5.87	Pass	0.094	0.100	-5.5	Pass
Endosulfan sulfate	6.81	Pass	0.095	0.100	-5.1	Pass
Endrin ketone	7.13	Pass	0.093	0.100	-7.0	Pass
Endrin aldehyde	6.33	Pass	0.096	0.100	-4.4	Pass
alpha-Chlordane	4.98	Pass	0.096	0.100	-3.6	Pass
gamma-Chlordane	4.85	Pass	0.097	0.100	-2.9	Pass
Tetrachloro-m-xylene	2.73	Pass	0.098	0.100	-2.1	Pass
Decachlorobiphenyl	8.30	Pass	0.092	0.100	-7.8	Pass

+/- 20% = Pass

4,4'-DDT % Breakdown: 3.9 Endrin % Breakdown: 9.2

Combined % Breakdown: 13.1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Client Project Name: 690 St. Paul St.

Lab Project #: 11-5230A Client Project #: 209280

GC Column: Rtx-CLP2 ID: (mm) 0.25 Initial Calibration Date: 11/17/2011

Detector: ECD2 B -narrow bore P1118ISA.M

LAB File ID: 111205A\004F0501.D Date Analyzed: 12/5/2011

LAB #/Cal ID: Pest CCal 0.100 ppm Time Analyzed: 15:22

COMPOUND	RT	PASS FAIL	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D	PASS FAIL
alpha-BHC	3.30	Pass	0.097	0.100	-2.7	Pass
gamma-BHC(Lindane)	3.62	Pass	0.098	0.100	-2.3	Pass
Heptachlor	4.07	Pass	0.098	0.100	-2.1	Pass
Endosulfan I	5.44	Pass	0.098	0.100	-1.7	Pass
Dieldren	5.74	Pass	0.097	0.100	-2.7	Pass
Endrin	6.07	Pass	0.095	0.100	-4.8	Pass
4,4'-DDD	6.19	Pass	0.098	0.100	-1.7	Pass
4,4'-DDT	6.54	Pass	0.095	0.100	-5.4	Pass
Methoxychlor	7.30	Pass	0.096	0.100	-3.8	Pass
beta-BHC	3.69	Pass	0.094	0.100	-5.8	Pass
delta-BHC	3.97	Pass	0.096	0.100	-4.3	Pass
Aldrin	4.41	Pass	0.100	0.100	-0.2	Pass
Heptachlor epoxide	5.01	Pass	0.097	0.100	-2.8	Pass
4,4'-DDE	5.54	Pass	0.097	0.100	-2.9	Pass
Endosulfan II	6.31	Pass	0.094	0.100	-6.5	Pass
Endosulfan sulfate	7.03	Pass	0.097	0.100	-3.3	Pass
Endrin ketone	7.61	Pass	0.089	0.100	-11.3	Pass
Endrin aldehyde	6.69	Pass	0.094	0.100	-5.8	Pass
alpha-Chlordane	5.36	Pass	0.098	0.100	-2.4	Pass
gamma-Chlordane	5.21	Pass	0.097	0.100	-2.5	Pass
Tetrachloro-m-xylene	2.80	Pass	0.098	0.100	-2.2	Pass
Decachlorobiphenyl	9.03	Pass	0.093	0.100	-6.9	Pass

+/- 20% = Pass

4,4'-DDT % Breakdown: 4.5 Endrin % Breakdown: 9.1

Combined % Breakdown: 13.6

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SAMPLE ID: AOC1-CS-8

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Lab Project#: 11-5230A Client Project #: 209280

Client Project Name: 690 St. Paul St.

LAB SAMPLE#: 17276

GC Column 1: Rtx-CLP ID: (mm) 0.25 Instrument ID: Instrument 1

GC Column 2: Rtx-CLP2 ID: (mm) 0.25 Date(s) Analyzed: 12/5/2011

Detector 1: ECD1 A

Detector 2: ECD2 B

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D	Q
4,4'-DDT	1	6.00	5.94	6.08	1.98 J		
	2	6.55	6.47	6.61	1.58 J	22.5	
	1						
	2						
	1						
	2						
	1						
	2						
	1						
	2						
	1						
	2						
	1						
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	1						
	2						

%D=</= 40%; Passes

* = Outside QC limits

FORM X PEST

Pesticide Degradation Report

Date: 11/18/2011
Analyst: G.J.Brien
File# : 003F0401.D

11/18/11

Column A

% Breakdown of DDT = **0.6%** = (Area DDD + DDE) / (Area DDT + DDD + DDE) X 100

Area DDT= 21011600
Area DDD= 0
Area DDE= 120976

% Breakdown of Endrin = **8.4%** = (Area EAldeh + E.Ketone) / (Area Endrin + EAldeh + E.Ketone) X 100

Area Endrin= 12635800
Area EAldeh= 248782
Area EKetone= 904084

Column B

% Breakdown of DDT = **0.7%** = (Area DDD + DDE) / (Area DDT + DDD + DDE) X 100

Area DDT= 21853300
Area DDD= 0
Area DDE= 162845

% Breakdown of Endrin = **7.8%** = (Area EAldeh + E.Ketone) / (Area Endrin + EAldeh + E.Ketone) X 100

Area Endrin= 14749800
Area EAldeh= 249938
Area EKetone= 1003950

Pesticide Degradation Report

Date: 12/6/2011
Analyst: G.J.Brien
File# : 003F0401.D

12/6/11

Column A

% Breakdown of DDT = **3.9%**

$$\frac{\text{Area DDD + DDE}}{\text{Area DDT + DDD + DDE}} \times 100$$

Area DDT= 19489100
Area DDD= 105270
Area DDE= 677749

% Breakdown of Endrin = **9.2%**

$$\frac{\text{Area EAldeh + E.Ketone}}{\text{Area Endrin + EAldeh + E.Ketone}} \times 100$$

Area Endrin= 18211100
Area EAldeh= 749686
Area EKetone= 1103730

Column B

% Breakdown of DDT = **4.5%**

$$\frac{\text{Area DDD + DDE}}{\text{Area DDT + DDD + DDE}} \times 100$$

Area DDT= 20846000
Area DDD= 190025
Area DDE= 798216

% Breakdown of Endrin = **9.1%**

$$\frac{\text{Area EAldeh + E.Ketone}}{\text{Area Endrin + EAldeh + E.Ketone}} \times 100$$

Area Endrin= 19834900
Area EAldeh= 760778
Area EKetone= 1217540

Calibration Table

Calib. Data Modified : Friday, November 18, 2011 11:02:29 AM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 0.000 %
Abs. Reference Window : 0.160 min
Rel. Non-ref. Window : 0.000 %
Abs. Non-ref. Window : 0.160 min
Multiplier : 1.0000
Dilution : 1.0000
Sample Amount : 0.00000
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: Yes, even for non-identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Sample ISTD Information:

ISTD #	ISTD Amount [ng/ul]	Name
2	1.00000e-1	BNB-IS(B)
1	1.00000e-1	BNB-IS(A)

Signal 1: ECD1 A,
Signal 2: ECD2 B,

RetTime [min]	Sig	Lvl	Amount [ng/ul]	Area	Amt/Area	Ref	Grp	Name
2.156	2	1	1.00000e-1	2.75296e5	3.63245e-7	I2		BNB-IS(B)
		2	1.00000e-1	2.51855e5	3.97054e-7			
		3	1.00000e-1	2.31593e5	4.31793e-7			
		4	1.00000e-1	2.12270e5	4.71099e-7			
		5	1.00000e-1	2.51369e5	3.97822e-7			
		6	1.00000e-1	3.48536e5	2.86914e-7			
		7	1.00000e-1	2.65052e5	3.77285e-7			
2.214	1	1	1.00000e-1	2.09250e5	4.77897e-7	I1		BNB-IS(A)
		2	1.00000e-1	1.89486e5	5.27743e-7			
		3	1.00000e-1	1.71194e5	5.84134e-7			
		4	1.00000e-1	1.56537e5	6.38825e-7			
		5	1.00000e-1	1.86144e5	5.37219e-7			
		6	1.00000e-1	2.70573e5	3.69586e-7			
		7	1.00000e-1	2.00444e5	4.98893e-7			
2.738	1	1	5.00000e-3	8811.02539	5.67471e-7	1		TCmX
		2	1.00000e-2	1.54448e4	6.47466e-7			
		3	2.00000e-2	2.89550e4	6.90728e-7			

RetTime [min]	Sig	Lvl	Amount [ng/ul]	Area	Amt/Area	Ref	Grp	Name
		4	5.00000e-2	6.89577e4	7.25082e-7			
		5	1.00000e-1	1.80624e5	5.53635e-7			
		6	2.00000e-1	4.66482e5	4.28741e-7			
		7	4.00000e-1	6.93493e5	5.76790e-7			
2.806	2	1	5.00000e-3	1.16641e4	4.28666e-7	2		TCmX
		2	1.00000e-2	2.04255e4	4.89584e-7			
		3	2.00000e-2	3.88712e4	5.14519e-7			
		4	5.00000e-2	8.96808e4	5.57533e-7			
		5	1.00000e-1	2.22495e5	4.49449e-7			
		6	2.00000e-1	5.59294e5	3.57594e-7			
		7	4.00000e-1	8.19108e5	4.88336e-7			
3.163	1	1	5.00000e-3	6096.18457	8.20185e-7	1		a-BHC
		2	1.00000e-2	1.15840e4	8.63261e-7			
		3	2.00000e-2	2.38632e4	8.38112e-7			
		4	5.00000e-2	7.06677e4	7.07537e-7			
		5	1.00000e-1	2.11252e5	4.73369e-7			
		6	2.00000e-1	6.09044e5	3.28384e-7			
		7	4.00000e-1	9.17396e5	4.36017e-7			
3.304	2	1	5.00000e-3	9374.54492	5.33359e-7	2		a-BHC
		2	1.00000e-2	1.76876e4	5.65368e-7			
		3	2.00000e-2	3.55880e4	5.61988e-7			
		4	5.00000e-2	9.67667e4	5.16706e-7			
		5	1.00000e-1	2.74697e5	3.64038e-7			
		6	2.00000e-1	7.45279e5	2.68356e-7			
		7	4.00000e-1	1.11021e6	3.60292e-7			
3.425	1	1	5.00000e-3	6419.48926	7.78878e-7	1		g-BHC
		2	1.00000e-2	1.19060e4	8.39912e-7			
		3	2.00000e-2	2.43732e4	8.20575e-7			
		4	5.00000e-2	6.81265e4	7.33929e-7			
		5	1.00000e-1	1.96236e5	5.09591e-7			
		6	2.00000e-1	5.45986e5	3.66310e-7			
		7	4.00000e-1	8.14512e5	4.91091e-7			
3.499	1	1	5.00000e-3	4946.72998	1.01077e-6	1		b-BHC
		2	1.00000e-2	8620.13965	1.16007e-6			
		3	2.00000e-2	1.69753e4	1.17818e-6			
		4	5.00000e-2	4.03452e4	1.23930e-6			
		5	1.00000e-1	1.15011e5	8.69483e-7			
		6	2.00000e-1	3.01530e5	6.63285e-7			
		7	4.00000e-1	4.63433e5	8.63124e-7			
3.625	2	1	5.00000e-3	9660.81445	5.17555e-7	2		g-BHC
		2	1.00000e-2	1.77510e4	5.63347e-7			
		3	2.00000e-2	3.54290e4	5.64509e-7			
		4	5.00000e-2	9.14191e4	5.46932e-7			
		5	1.00000e-1	2.55708e5	3.91072e-7			
		6	2.00000e-1	6.69254e5	2.98840e-7			
		7	4.00000e-1	9.93094e5	4.02782e-7			
3.661	1	1	5.00000e-3	5040.65479	9.91935e-7	1		d-BHC
		2	1.00000e-2	9082.62402	1.10100e-6			
		3	2.00000e-2	1.88532e4	1.06083e-6			
		4	5.00000e-2	5.31962e4	9.39916e-7			
		5	1.00000e-1	1.78078e5	5.61552e-7			
		6	2.00000e-1	5.24802e5	3.81096e-7			
		7	4.00000e-1	8.18049e5	4.88968e-7			
3.698	2	1	5.00000e-3	6706.92871	7.45498e-7	2		b-BHC
		2	1.00000e-2	1.18341e4	8.45014e-7			
		3	2.00000e-2	2.28341e4	8.75885e-7			
		4	5.00000e-2	5.23043e4	9.55944e-7			
		5	1.00000e-1	1.43968e5	6.94598e-7			
		6	2.00000e-1	3.66304e5	5.45994e-7			
		7	4.00000e-1	5.56118e5	7.19272e-7			
3.845	1	1	5.00000e-3	1.10240e4	4.53558e-7	1		Heptachlor
		2	1.00000e-2	1.92170e4	5.20372e-7			
		3	2.00000e-2	3.68081e4	5.43358e-7			
		4	5.00000e-2	8.46050e4	5.90981e-7			
		5	1.00000e-1	2.24011e5	4.46407e-7			

RetTime [min]	Sig	Lvl	Amount [ng/ul]	Area	Amt/Area	Ref	Grp	Name
		6	2.00000e-1	5.42541e5	3.68635e-7			
		7	4.00000e-1	8.04276e5	4.97342e-7			
3.977	2	1	5.00000e-3	8683.25000	5.75821e-7	2		d-BHC
		2	1.00000e-2	1.46943e4	6.80538e-7			
		3	2.00000e-2	2.95213e4	6.77477e-7			
		4	5.00000e-2	7.70949e4	6.48551e-7			
		5	1.00000e-1	2.38082e5	4.20024e-7			
		6	2.00000e-1	6.46540e5	3.09339e-7			
		7	4.00000e-1	9.88310e5	4.04731e-7			
4.076	2	1	5.00000e-3	1.35427e4	3.69202e-7	2		Heptachlor
		2	1.00000e-2	2.33009e4	4.29167e-7			
		3	2.00000e-2	4.40249e4	4.54288e-7			
		4	5.00000e-2	9.88191e4	5.05975e-7			
		5	1.00000e-1	2.63290e5	3.79809e-7			
		6	2.00000e-1	6.36303e5	3.14316e-7			
		7	4.00000e-1	9.34174e5	4.28186e-7			
4.131	1	1	5.00000e-3	7469.88672	6.69354e-7	1		Aldrin
		2	1.00000e-2	1.30463e4	7.66503e-7			
		3	2.00000e-2	2.57358e4	7.77127e-7			
		4	5.00000e-2	6.37766e4	7.83987e-7			
		5	1.00000e-1	1.87192e5	5.34210e-7			
		6	2.00000e-1	4.89521e5	4.08563e-7			
		7	4.00000e-1	7.39832e5	5.40663e-7			
4.413	2	1	5.00000e-3	9724.33691	5.14174e-7	2		Aldrin
		2	1.00000e-2	1.65466e4	6.04353e-7			
		3	2.00000e-2	3.21263e4	6.22544e-7			
		4	5.00000e-2	7.56706e4	6.60759e-7			
		5	1.00000e-1	2.18014e5	4.58686e-7			
		6	2.00000e-1	5.57630e5	3.58661e-7			
		7	4.00000e-1	8.38419e5	4.77088e-7			
4.727	1	1	5.00000e-3	9485.74609	5.27107e-7	1		Heptachlor Epoxide
		2	1.00000e-2	1.60054e4	6.24790e-7			
		3	2.00000e-2	3.05233e4	6.55237e-7			
		4	5.00000e-2	6.78747e4	7.36651e-7			
		5	1.00000e-1	1.83059e5	5.46272e-7			
		6	2.00000e-1	4.52204e5	4.42278e-7			
		7	4.00000e-1	6.73850e5	5.93604e-7			
4.856	1	1	5.00000e-3	1.00170e4	4.99151e-7	1		g-Chlordane
		2	1.00000e-2	1.62485e4	6.15442e-7			
		3	2.00000e-2	3.10076e4	6.45002e-7			
		4	5.00000e-2	6.91287e4	7.23288e-7			
		5	1.00000e-1	1.93000e5	5.18135e-7			
		6	2.00000e-1	4.89414e5	4.08652e-7			
		7	4.00000e-1	7.49440e5	5.33732e-7			
4.992	1	1	5.00000e-3	9674.38574	5.16829e-7	1		a-Chlordane
		2	1.00000e-2	1.61217e4	6.20284e-7			
		3	2.00000e-2	3.14542e4	6.35845e-7			
		4	5.00000e-2	7.07189e4	7.07025e-7			
		5	1.00000e-1	1.94590e5	5.13902e-7			
		6	2.00000e-1	4.83972e5	4.13247e-7			
		7	4.00000e-1	7.39830e5	5.40665e-7			
5.015	2	1	5.00000e-3	1.11631e4	4.47904e-7	2		Heptachlor Epoxide
		2	1.00000e-2	1.88772e4	5.29740e-7			
		3	2.00000e-2	3.58913e4	5.57239e-7			
		4	5.00000e-2	7.97117e4	6.27260e-7			
		5	1.00000e-1	2.14233e5	4.66781e-7			
		6	2.00000e-1	5.19500e5	3.84985e-7			
		7	4.00000e-1	7.77464e5	5.14493e-7			
5.078	1	1	5.00000e-3	4820.13184	1.03732e-6	1		4,4'-DDE
		2	1.00000e-2	7855.74951	1.27295e-6			
		3	2.00000e-2	1.49899e4	1.33423e-6			
		4	5.00000e-2	3.44938e4	1.44954e-6			
		5	1.00000e-1	1.24891e5	8.00697e-7			
		6	2.00000e-1	3.69417e5	5.41394e-7			
		7	4.00000e-1	5.91186e5	6.76606e-7			

RetTime [min]	Sig	Lvl	Amount [ng/ul]	Area	Amt/Area	Ref	Grp	Name
5.133	1	1	5.00000e-3	9823.44531	5.08986e-7	1		Endosulfan I
		2	1.00000e-2	1.60565e4	6.22802e-7			
		3	2.00000e-2	3.26115e4	6.13280e-7			
		4	5.00000e-2	7.36869e4	6.78546e-7			
		5	1.00000e-1	2.01987e5	4.95081e-7			
		6	2.00000e-1	4.92856e5	4.05798e-7			
		7	4.00000e-1	7.45595e5	5.36485e-7			
5.216	2	1	5.00000e-3	1.14040e4	4.38444e-7	2		g-Chlordane
		2	1.00000e-2	1.84613e4	5.41673e-7			
		3	2.00000e-2	3.54434e4	5.64280e-7			
		4	5.00000e-2	7.90653e4	6.32388e-7			
		5	1.00000e-1	2.20944e5	4.52603e-7			
		6	2.00000e-1	5.51065e5	3.62934e-7			
		7	4.00000e-1	8.46778e5	4.72379e-7			
5.373	2	1	5.00000e-3	1.14996e4	4.34798e-7	2		a-Chlordane
		2	1.00000e-2	1.87102e4	5.34468e-7			
		3	2.00000e-2	3.60411e4	5.54922e-7			
		4	5.00000e-2	7.98869e4	6.25885e-7			
		5	1.00000e-1	2.20528e5	4.53456e-7			
		6	2.00000e-1	5.39400e5	3.70783e-7			
		7	4.00000e-1	8.26008e5	4.84257e-7			
5.387	1	1	5.00000e-3	7494.49268	6.67157e-7	1		Dieldrin
		2	1.00000e-2	1.24376e4	8.04015e-7			
		3	2.00000e-2	2.44514e4	8.17950e-7			
		4	5.00000e-2	5.69455e4	8.78032e-7			
		5	1.00000e-1	1.69668e5	5.89387e-7			
		6	2.00000e-1	4.35958e5	4.58759e-7			
		7	4.00000e-1	6.82757e5	5.85860e-7			
5.448	2	1	5.00000e-3	1.03561e4	4.82807e-7	2		Endosulfan I
		2	1.00000e-2	1.67894e4	5.95614e-7			
		3	2.00000e-2	3.24070e4	6.17151e-7			
		4	5.00000e-2	7.25762e4	6.88931e-7			
		5	1.00000e-1	2.03279e5	4.91936e-7			
		6	2.00000e-1	4.98760e5	4.00994e-7			
		7	4.00000e-1	7.65607e5	5.22461e-7			
5.544	2	1	5.00000e-3	9774.19531	5.11551e-7	2		4,4'-DDE
		2	1.00000e-2	1.56077e4	6.40710e-7			
		3	2.00000e-2	3.05500e4	6.54664e-7			
		4	5.00000e-2	6.90190e4	7.24438e-7			
		5	1.00000e-1	2.03786e5	4.90710e-7			
		6	2.00000e-1	5.12908e5	3.89933e-7			
		7	4.00000e-1	8.02496e5	4.98445e-7			
5.637	1	1	5.00000e-3	7318.30371	6.83218e-7	1		Endrin
		2	1.00000e-2	1.17019e4	8.54565e-7			
		3	2.00000e-2	2.23847e4	8.93468e-7			
		4	5.00000e-2	5.20804e4	9.60054e-7			
		5	1.00000e-1	1.52743e5	6.54695e-7			
		6	2.00000e-1	4.06485e5	4.92023e-7			
		7	4.00000e-1	6.16018e5	6.49331e-7			
5.719	1	1	5.00000e-3	4189.48682	1.19346e-6	1		4,4'-DDD
		2	1.00000e-2	6685.43408	1.49579e-6			
		3	2.00000e-2	1.32974e4	1.50405e-6			
		4	5.00000e-2	3.09317e4	1.61646e-6			
		5	1.00000e-1	1.09169e5	9.16009e-7			
		6	2.00000e-1	3.16331e5	6.32249e-7			
		7	4.00000e-1	5.31980e5	7.51908e-7			
5.748	2	1	5.00000e-3	9409.63574	5.31370e-7	2		Dieldrin
		2	1.00000e-2	1.55393e4	6.43530e-7			
		3	2.00000e-2	3.02292e4	6.61612e-7			
		4	5.00000e-2	6.92874e4	7.21632e-7			
		5	1.00000e-1	2.03432e5	4.91565e-7			
		6	2.00000e-1	5.08340e5	3.93437e-7			
		7	4.00000e-1	7.94225e5	5.03636e-7			
5.878	1	1	5.00000e-3	7903.19580	6.32655e-7	1		Endosulfan II
		2	1.00000e-2	1.29770e4	7.70593e-7			

RetTime [min]	Lvl Sig		Amount [ng/ul]	Area	Amt/Area	Ref	Grp	Name
		3	2.00000e-2	2.56316e4	7.80287e-7			
		4	5.00000e-2	5.66873e4	8.82033e-7			
		5	1.00000e-1	1.60127e5	6.24504e-7			
		6	2.00000e-1	3.90882e5	5.11664e-7			
		7	4.00000e-1	6.13359e5	6.52147e-7			
6.021	1	1	5.00000e-3	5894.64697	8.48227e-7	1		4,4'-DDT
		2	1.00000e-2	9221.65332	1.08440e-6			
		3	2.00000e-2	1.89840e4	1.05352e-6			
		4	5.00000e-2	4.49625e4	1.11204e-6			
		5	1.00000e-1	1.47114e5	6.79746e-7			
		6	2.00000e-1	3.84844e5	5.19690e-7			
		7	4.00000e-1	6.29295e5	6.35632e-7			
6.077	2	1	5.00000e-3	8811.54980	5.67437e-7	2		Endrin
		2	1.00000e-2	1.41732e4	7.05555e-7			
		3	2.00000e-2	2.67941e4	7.46434e-7			
		4	5.00000e-2	6.09117e4	8.20860e-7			
		5	1.00000e-1	1.76031e5	5.68081e-7			
		6	2.00000e-1	4.58442e5	4.36260e-7			
		7	4.00000e-1	6.90749e5	5.79081e-7			
6.197	2	1	5.00000e-3	5843.61377	8.55635e-7	2		4,4'-DDD
		2	1.00000e-2	9448.64551	1.05835e-6			
		3	2.00000e-2	1.87382e4	1.06734e-6			
		4	5.00000e-2	4.30524e4	1.16138e-6			
		5	1.00000e-1	1.41778e5	7.05327e-7			
		6	2.00000e-1	3.73597e5	5.35336e-7			
		7	4.00000e-1	6.03147e5	6.63189e-7			
6.316	2	1	5.00000e-3	9474.55957	5.27729e-7	2		Endosulfan II
		2	1.00000e-2	1.54873e4	6.45692e-7			
		3	2.00000e-2	3.00901e4	6.64671e-7			
		4	5.00000e-2	6.57866e4	7.60033e-7			
		5	1.00000e-1	1.85696e5	5.38516e-7			
		6	2.00000e-1	4.43804e5	4.50650e-7			
		7	4.00000e-1	6.87118e5	5.82142e-7			
6.337	1	1	5.00000e-3	7227.91992	6.91762e-7	1		Endrin Aldehyde
		2	1.00000e-2	1.06942e4	9.35086e-7			
		3	2.00000e-2	2.06080e4	9.70496e-7			
		4	5.00000e-2	4.47224e4	1.11801e-6			
		5	1.00000e-1	1.25843e5	7.94643e-7			
		6	2.00000e-1	3.46107e5	5.77857e-7			
		7	4.00000e-1	4.93382e5	8.10731e-7			
6.550	2	1	5.00000e-3	7453.05322	6.70866e-7	2		4,4'-DDT
		2	1.00000e-2	1.15675e4	8.64488e-7			
		3	2.00000e-2	2.33239e4	8.57489e-7			
		4	5.00000e-2	5.35798e4	9.33187e-7			
		5	1.00000e-1	1.71483e5	5.83147e-7			
		6	2.00000e-1	4.31211e5	4.63810e-7			
		7	4.00000e-1	6.91163e5	5.78735e-7			
6.569	1	1	5.00000e-3	4619.63232	1.08234e-6	1		Methoxychlor
		2	1.00000e-2	7067.75000	1.41488e-6			
		3	2.00000e-2	1.41144e4	1.41700e-6			
		4	5.00000e-2	3.18621e4	1.56926e-6			
		5	1.00000e-1	9.19069e4	1.08806e-6			
		6	2.00000e-1	2.12236e5	9.42348e-7			
		7	4.00000e-1	3.54722e5	1.12764e-6			
6.702	2	1	5.00000e-3	8449.73438	5.91735e-7	2		Endrin Aldehyde
		2	1.00000e-2	1.25656e4	7.95825e-7			
		3	2.00000e-2	2.43729e4	8.20583e-7			
		4	5.00000e-2	5.07899e4	9.84447e-7			
		5	1.00000e-1	1.48284e5	6.74380e-7			
		6	2.00000e-1	3.68266e5	5.43085e-7			
		7	4.00000e-1	5.53985e5	7.22041e-7			
6.819	1	1	5.00000e-3	7213.65771	6.93130e-7	1		Endosulfan Sulphate
		2	1.00000e-2	1.14069e4	8.76662e-7			
		3	2.00000e-2	2.25354e4	8.87493e-7			
		4	5.00000e-2	4.92287e4	1.01567e-6			

RetTime [min]	Sig	Lvl	Amount [ng/ul]	Area	Amt/Area	Ref	Grp	Name
		5	1.00000e-1	1.41251e5	7.07961e-7			
		6	2.00000e-1	3.42282e5	5.84313e-7			
		7	4.00000e-1	5.49442e5	7.28012e-7			
7.041	2	1	5.00000e-3	8434.82422	5.92781e-7		2	Endosulfan Sulphate
		2	1.00000e-2	1.34424e4	7.43916e-7			
		3	2.00000e-2	2.61290e4	7.65433e-7			
		4	5.00000e-2	5.62219e4	8.89333e-7			
		5	1.00000e-1	1.62040e5	6.17132e-7			
		6	2.00000e-1	3.85878e5	5.18298e-7			
		7	4.00000e-1	6.10688e5	6.54999e-7			
7.139	1	1	5.00000e-3	8330.72266	6.00188e-7		1	Endrin Ketone
		2	1.00000e-2	1.30330e4	7.67285e-7			
		3	2.00000e-2	2.69676e4	7.41631e-7			
		4	5.00000e-2	6.02003e4	8.30561e-7			
		5	1.00000e-1	1.78428e5	5.60451e-7			
		6	2.00000e-1	4.16561e5	4.80122e-7			
		7	4.00000e-1	6.62378e5	6.03885e-7			
7.310	2	1	5.00000e-3	5623.61768	8.89107e-7		2	Methoxychlor
		2	1.00000e-2	8393.13574	1.19145e-6			
		3	2.00000e-2	1.62182e4	1.23318e-6			
		4	5.00000e-2	3.36346e4	1.48656e-6			
		5	1.00000e-1	9.43608e4	1.05976e-6			
		6	2.00000e-1	2.19559e5	9.10919e-7			
		7	4.00000e-1	3.50712e5	1.14054e-6			
7.621	2	1	5.00000e-3	9401.65723	5.31821e-7		2	Endrin Ketone
		2	1.00000e-2	1.52155e4	6.57223e-7			
		3	2.00000e-2	3.10221e4	6.44702e-7			
		4	5.00000e-2	6.88624e4	7.26085e-7			
		5	1.00000e-1	2.03423e5	4.91586e-7			
		6	2.00000e-1	4.62876e5	4.32081e-7			
		7	4.00000e-1	7.41435e5	5.39494e-7			
8.312	1	1	5.00000e-3	1.28255e4	3.89849e-7		1	DCBP
		2	1.00000e-2	1.91073e4	5.23362e-7			
		3	2.00000e-2	3.75369e4	5.32808e-7			
		4	5.00000e-2	7.30554e4	6.84412e-7			
		5	1.00000e-1	1.84812e5	5.41090e-7			
		6	2.00000e-1	3.84945e5	5.19554e-7			
		7	4.00000e-1	6.03773e5	6.62501e-7			
9.040	2	1	5.00000e-3	1.31351e4	3.80659e-7		2	DCBP
		2	1.00000e-2	1.97249e4	5.06972e-7			
		3	2.00000e-2	3.84271e4	5.20467e-7			
		4	5.00000e-2	7.57030e4	6.60476e-7			
		5	1.00000e-1	1.93917e5	5.15685e-7			
		6	2.00000e-1	4.02559e5	4.96822e-7			
		7	4.00000e-1	6.39271e5	6.25713e-7			

More compound-specific settings:

Compound: Heptachlor Epoxide
  Time Window : From 4.647 min To 4.807 min

Compound: Heptachlor Epoxide
  Time Window : From 4.935 min To 5.095 min

Compound: Endosulfan II
  Time Window : From 5.798 min To 5.958 min

Compound: Endosulfan Sulphate
  Time Window : From 6.739 min To 6.899 min

16 Warnings or Errors (10 first messages follow) :

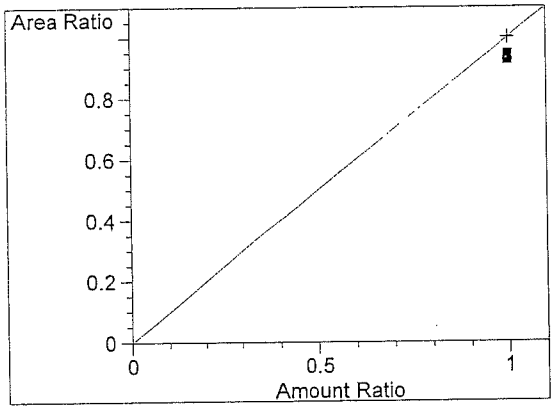
Warning : Overlapping peak time windows at 3.425 min, signal 1
Warning : Overlapping peak time windows at 4.727 min, signal 1
Warning : Overlapping peak time windows at 4.856 min, signal 1

Warning : Overlapping peak time windows at 4.992 min, signal 1
Warning : Overlapping peak time windows at 5.078 min, signal 1
Warning : Overlapping peak time windows at 5.637 min, signal 1
Warning : Overlapping peak time windows at 5.719 min, signal 1
Warning : Overlapping peak time windows at 5.878 min, signal 1
Warning : Overlapping peak time windows at 3.625 min, signal 2
Warning : Overlapping peak time windows at 3.977 min, signal 2

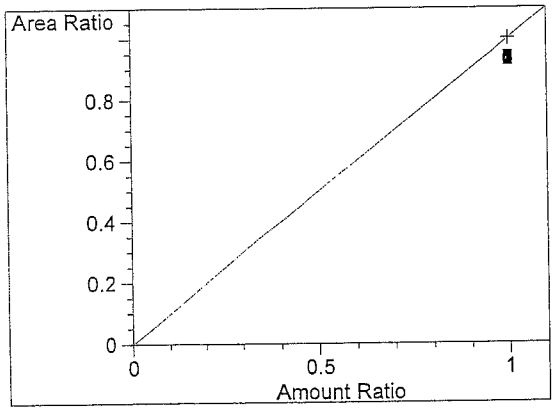
Peak Sum Table

No Entries in table

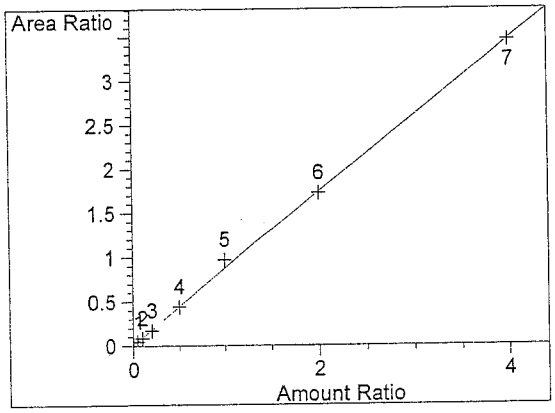
Calibration Curves



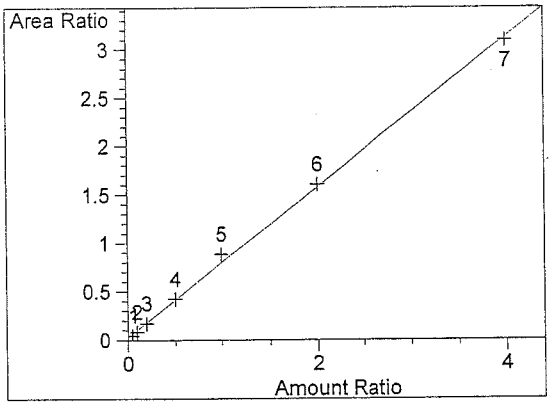
BNB-IS(B) at exp. RT: 2.156
ECD2 B,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio



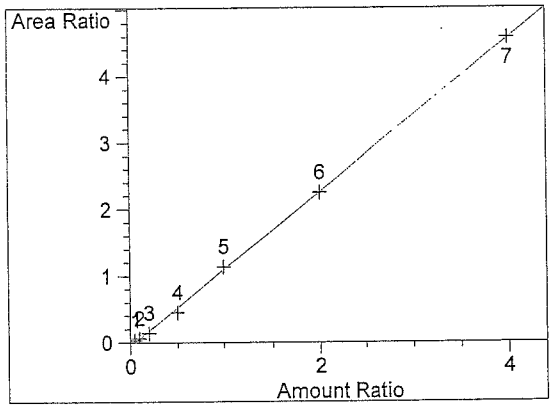
BNB-IS(A) at exp. RT: 2.214
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio



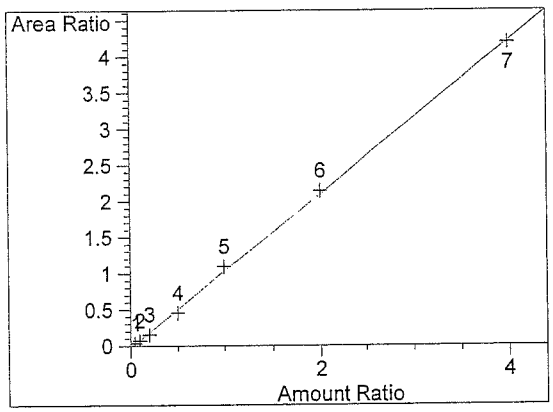
TCmX at exp. RT: 2.738
ECD1 A,
Correlation: 0.99951
Residual Std. Dev.: 0.04094
Formula: y = mx + b
m: 8.64992e-1
b: 1.21590e-2
x: Amount Ratio
y: Area Ratio



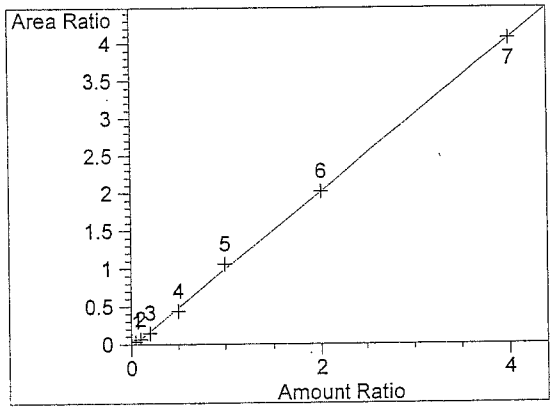
TCmX at exp. RT: 2.806
ECD2 B,
Correlation: 0.99932
Residual Std. Dev.: 0.04301
Formula: y = mx + b
m: 7.74654e-1
b: 2.66196e-2
x: Amount Ratio
y: Area Ratio



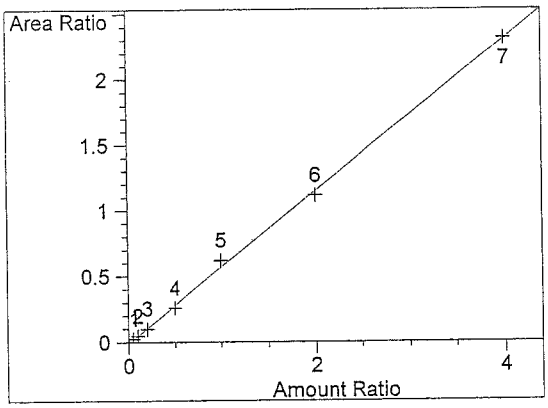
a-BHC at exp. RT: 3.163
ECD1 A,
Correlation: 0.99969
Residual Std. Dev.: 0.04364
Formula: y = mx + b
m: 1.15617
b: -5.40227e-2
x: Amount Ratio
y: Area Ratio



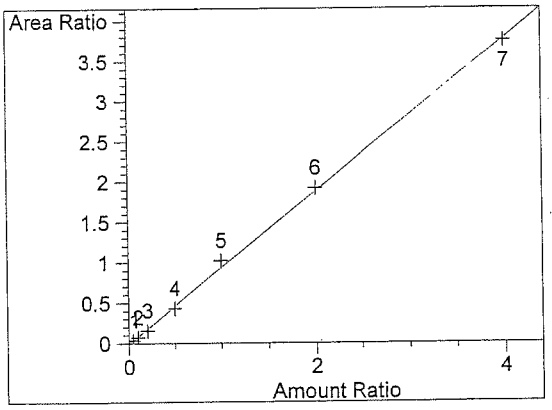
a-BHC at exp. RT: 3.304
ECD2 B,
Correlation: 0.99967
Residual Std. Dev.: 0.04122
Formula: y = mx + b
m: 1.05961
b: -2.30439e-2
x: Amount Ratio
y: Area Ratio



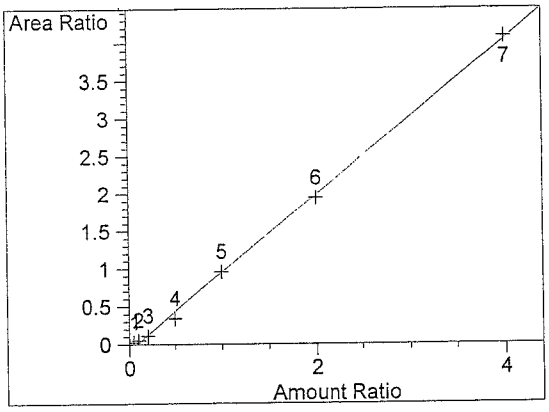
g-BHC at exp. RT: 3.425
ECD1 A,
Correlation: 0.99972
Residual Std. Dev.: 0.03637
Formula: y = mx + b
m: 1.02485
b: -2.97958e-2
x: Amount Ratio
y: Area Ratio



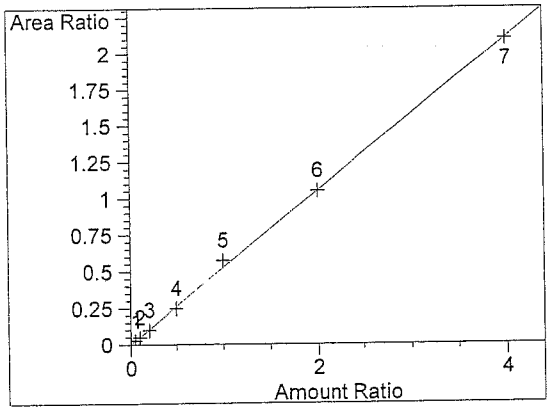
b-BHC at exp. RT: 3.499
ECD1 A,
Correlation: 0.99954
Residual Std. Dev.: 0.02641
Formula: y = mx + b
m: 5.78155e-1
b: -8.52356e-3
x: Amount Ratio
y: Area Ratio



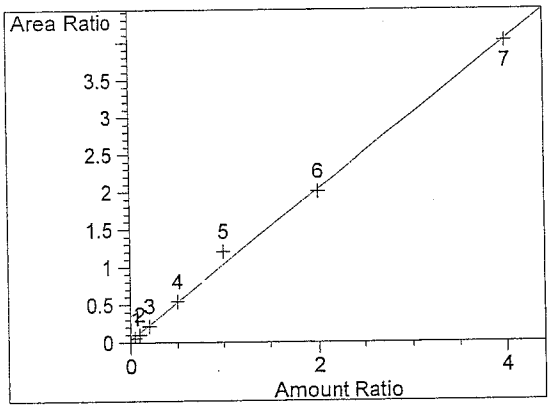
g-BHC at exp. RT: 3.625
ECD2 B,
Correlation: 0.99956
Residual Std. Dev.: 0.04232
Formula: y = mx + b
m: 9.45928e-1
b: -6.50865e-3
x: Amount Ratio
y: Area Ratio



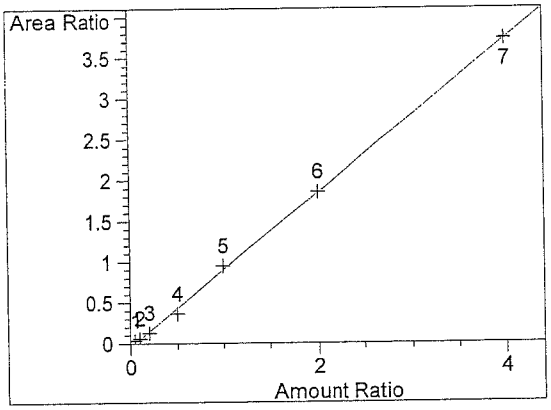
d-BHC at exp. RT: 3.661
ECD1 A,
Correlation: 0.99923
Residual Std. Dev.: 0.06069
Formula: y = mx + b
m: 1.02942
b: -7.26848e-2
x: Amount Ratio
y: Area Ratio



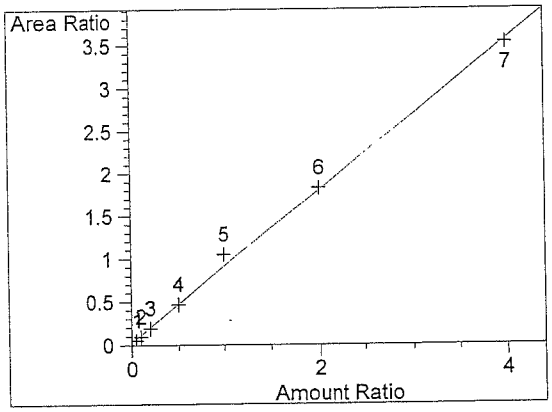
b-BHC at exp. RT: 3.698
ECD2 B,
Correlation: 0.99966
Residual Std. Dev.: 0.02067
Formula: y = mx + b
m: 5.26152e-1
b: 9.90236e-4
x: Amount Ratio
y: Area Ratio



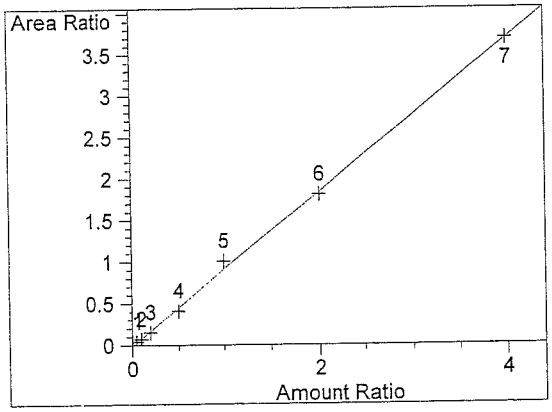
Heptachlor at exp. RT: 3.845
ECD1 A,
Correlation: 0.99877
Residual Std. Dev.: 0.07481
Formula: y = mx + b
m: 1.00087
b: 3.42313e-2
x: Amount Ratio
y: Area Ratio



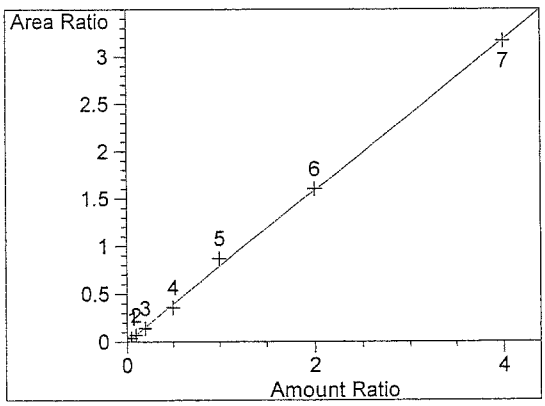
d-BHC at exp. RT: 3.977
ECD2 B,
Correlation: 0.99962
Residual Std. Dev.: 0.03924
Formula: y = mx + b
m: 9.41826e-1
b: -3.52358e-2
x: Amount Ratio
y: Area Ratio



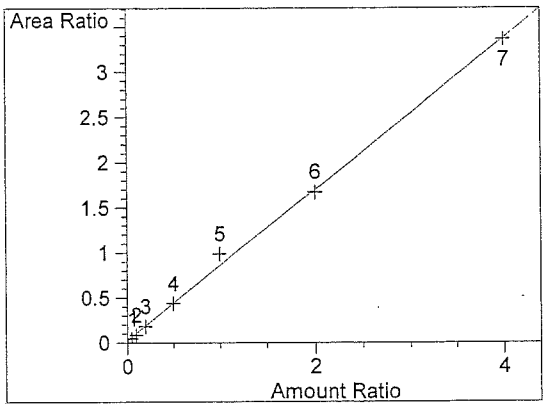
Heptachlor at exp. RT: 4.076
ECD2 B,
Correlation: 0.99893
Residual Std. Dev.: 0.06161
Formula: y = mx + b
m: 8.83785e-1
b: 3.21501e-2
x: Amount Ratio
y: Area Ratio



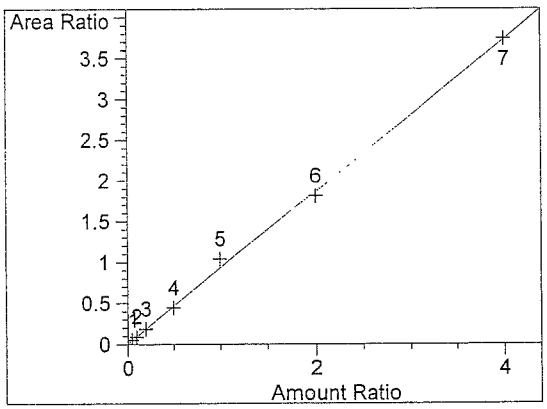
Aldrin at exp. RT: 4.131
ECD1 A,
Correlation: 0.99948
Residual Std. Dev.: 0.04481
Formula: y = mx + b
m: 9.26246e-1
b: -1.28659e-2
x: Amount Ratio
y: Area Ratio



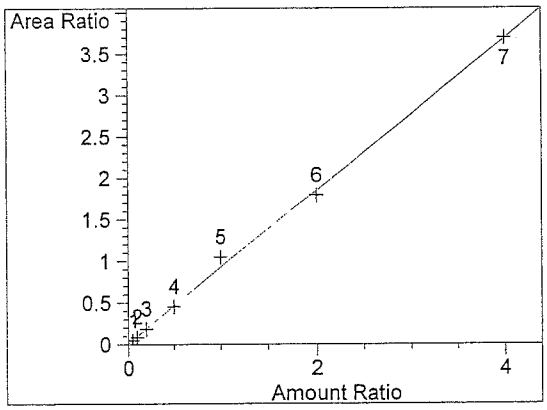
Aldrin at exp. RT: 4.413
ECD2 B,
Correlation: 0.99954
Residual Std. Dev.: 0.03623
Formula: y = mx + b
m: 7.95934e-1
b: -2.67542e-3
x: Amount Ratio
y: Area Ratio



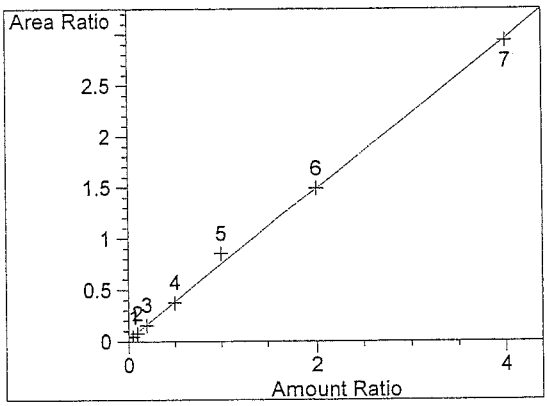
Heptachlor Epoxide at exp. RT: 4.727
ECD1 A,
Correlation: 0.99908
Residual Std. Dev.: 0.05409
Formula: y = mx + b
m: 8.38611e-1
b: 2.18878e-2
x: Amount Ratio
y: Area Ratio



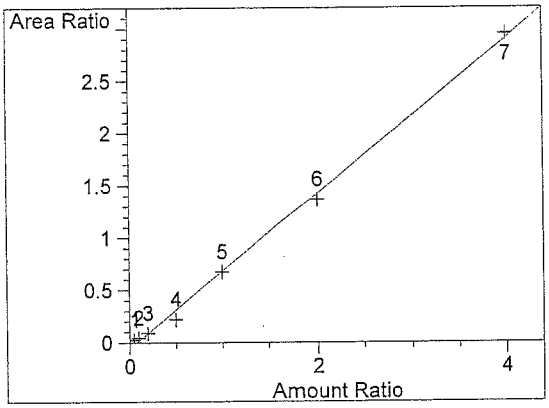
g-Chlordane at exp. RT: 4.856
ECD1 A,
Correlation: 0.99938
Residual Std. Dev.: 0.04960
Formula: y = mx + b
m: 9.31992e-1
b: 3.09537e-3
x: Amount Ratio
y: Area Ratio



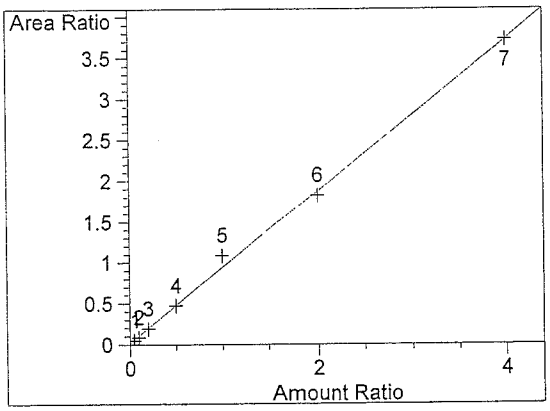
a-Chlordane at exp. RT: 4.992
ECD1 A,
Correlation: 0.99922
Residual Std. Dev.: 0.05473
Formula: y = mx + b
m: 9.19501e-1
b: 9.22029e-3
x: Amount Ratio
y: Area Ratio



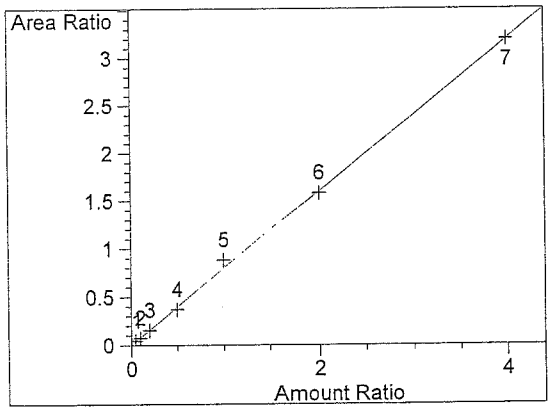
Heptachlor Epoxide at exp. RT: 5.015
ECD2 B,
Correlation: 0.99922
Residual Std. Dev.: 0.04369
Formula: y = mx + b
m: 7.34106e-1
b: 1.99142e-2
x: Amount Ratio
y: Area Ratio



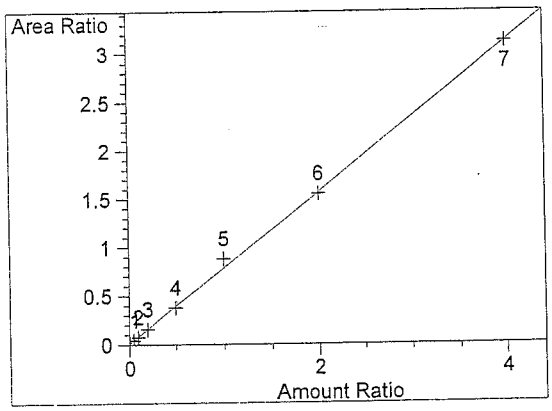
4,4'-DDE at exp. RT: 5.078
ECD1 A,
Correlation: 0.99867
Residual Std. Dev.: 0.05760
Formula: y = mx + b
m: 7.40790e-1
b: -5.71442e-2
x: Amount Ratio
y: Area Ratio



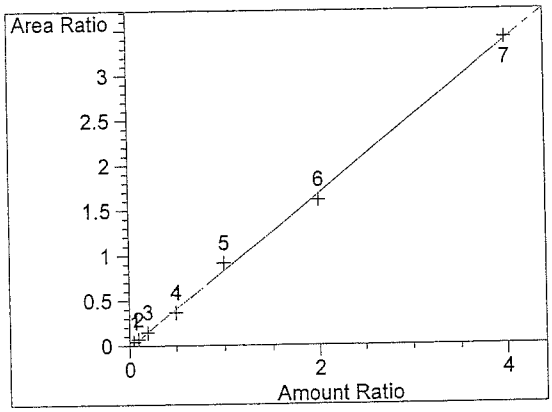
Endosulfan I at exp. RT: 5.133
ECD1 A,
Correlation: 0.99898
Residual Std. Dev.: 0.06298
Formula: y = mx + b
m: 9.27314e-1
b: 1.74823e-2
x: Amount Ratio
y: Area Ratio



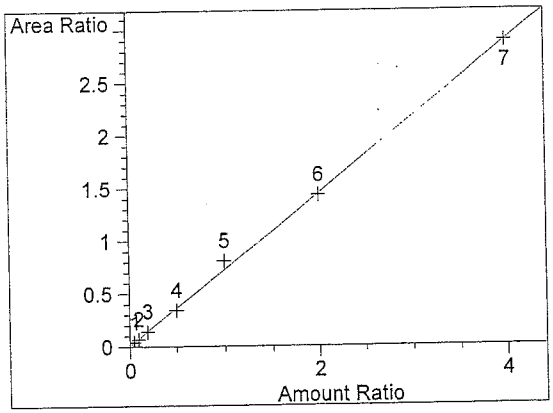
g-Chlordane at exp. RT: 5.216
ECD2 B,
Correlation: 0.99957
Residual Std. Dev.: 0.03521
Formula: y = mx + b
m: 7.99241e-1
b: 2.62757e-3
x: Amount Ratio
y: Area Ratio



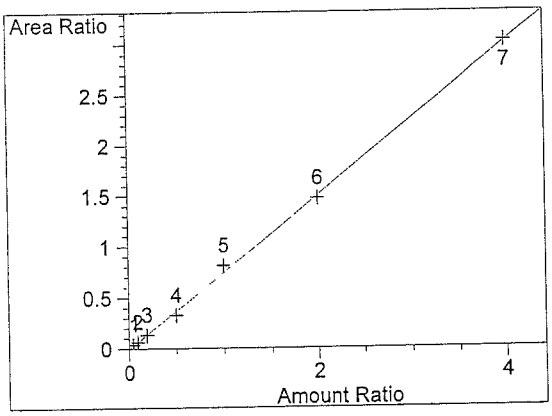
a-Chlordane at exp. RT: 5.373
ECD2 B,
Correlation: 0.99944
Residual Std. Dev.: 0.03932
Formula: y = mx + b
m: 7.78963e-1
b: 9.31206e-3
x: Amount Ratio
y: Area Ratio



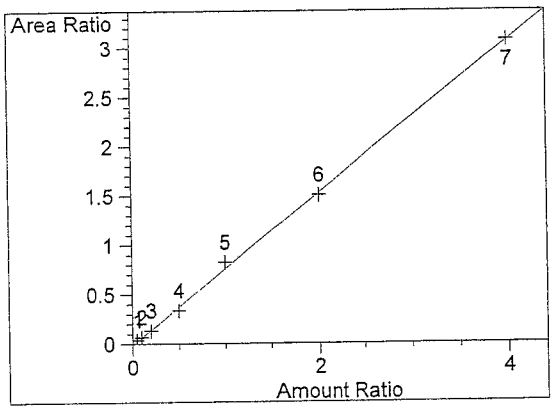
Dieldrin at exp. RT: 5.387
ECD1 A,
Correlation: 0.99927
Residual Std. Dev.: 0.04883
Formula: y = mx + b
m: 8.50258e-1
b: -1.71874e-2
x: Amount Ratio
y: Area Ratio



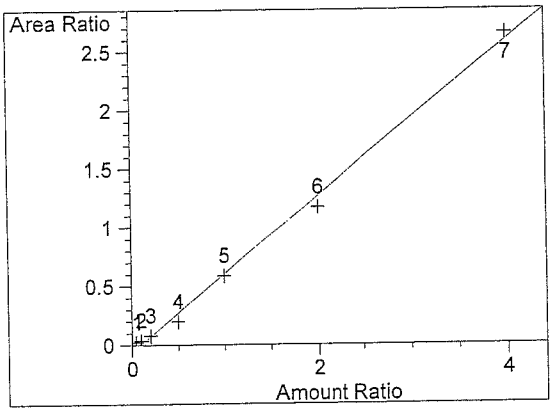
Endosulfan I at exp. RT: 5.448
ECD2 B,
Correlation: 0.99945
Residual Std. Dev.: 0.03612
Formula: y = mx + b
m: 7.22449e-1
b: 5.38888e-3
x: Amount Ratio
y: Area Ratio



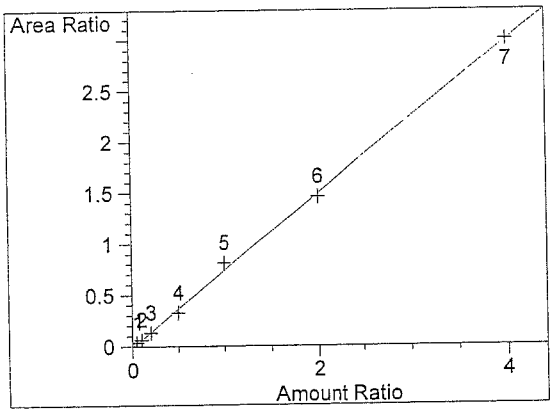
4,4'-DDE at exp. RT: 5.544
ECD2 B,
Correlation: 0.99953
Residual Std. Dev.: 0.03496
Formula: y = mx + b
m: 7.57888e-1
b: -1.06099e-2
x: Amount Ratio
y: Area Ratio



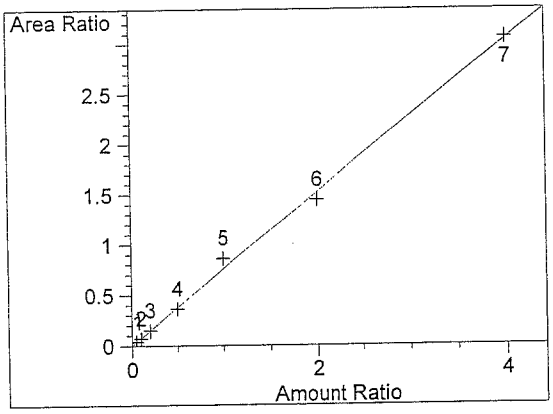
Endrin at exp. RT: 5.637
ECD1 A,
Correlation: 0.99959
Residual Std. Dev.: 0.03309
Formula: y = mx + b
m: 7.70168e-1
b: -1.11855e-2
x: Amount Ratio
y: Area Ratio



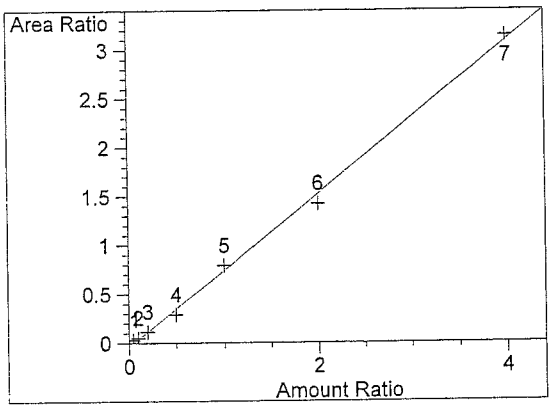
4,4'-DDD at exp. RT: 5.719
ECD1 A,
Correlation: 0.99786
Residual Std. Dev.: 0.06531
Formula: y = mx + b
m: 6.62391e-1
b: -5.74484e-2
x: Amount Ratio
y: Area Ratio



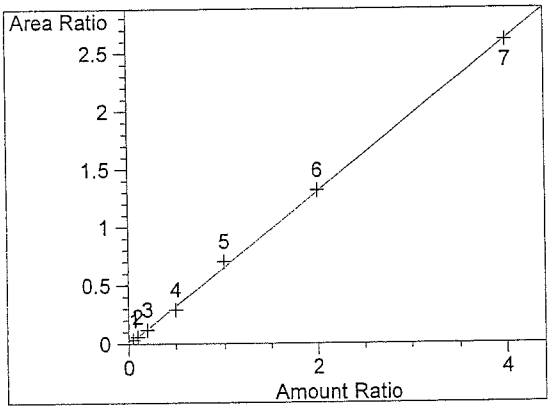
Dieldrin at exp. RT: 5.748
ECD2 B,
Correlation: 0.99951
Residual Std. Dev.: 0.03549
Formula: y = mx + b
m: 7.50121e-1
b: -8.91806e-3
x: Amount Ratio
y: Area Ratio



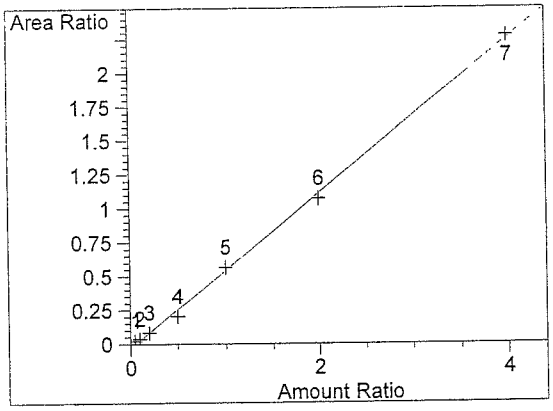
Endosulfan II at exp. RT: 5.878
ECD1 A,
Correlation: 0.99895
Residual Std. Dev.: 0.05239
Formula: y = mx + b
m: 7.60200e-1
b: 1.92805e-3
x: Amount Ratio
y: Area Ratio



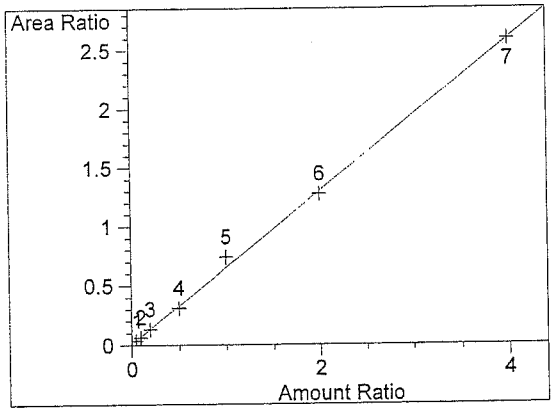
4,4'-DDT at exp. RT: 6.021
ECD1 A,
Correlation: 0.99869
Residual Std. Dev.: 0.06049
Formula: y = mx + b
m: 7.82902e-1
b: -3.98320e-2
x: Amount Ratio
y: Area Ratio



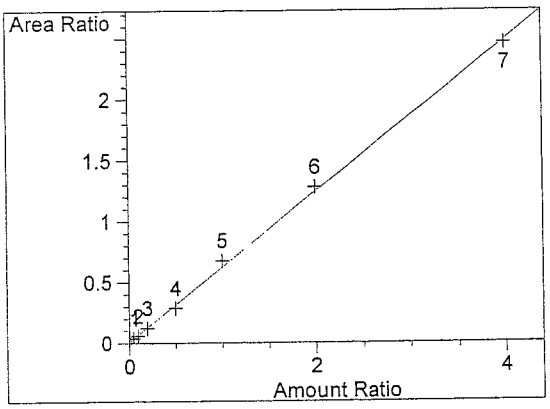
Endrin at exp. RT: 6.077
ECD2 B,
Correlation: 0.99965
Residual Std. Dev.: 0.02623
Formula: y = mx + b
m: 6.55338e-1
b: -3.96872e-3
x: Amount Ratio
y: Area Ratio



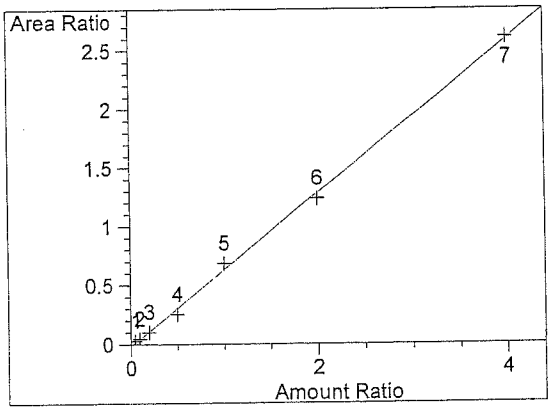
4,4'-DDD at exp. RT: 6.197
ECD2 B,
Correlation: 0.99922
Residual Std. Dev.: 0.03389
Formula: y = mx + b
m: 5.70479e-1
b: -2.80352e-2
x: Amount Ratio
y: Area Ratio



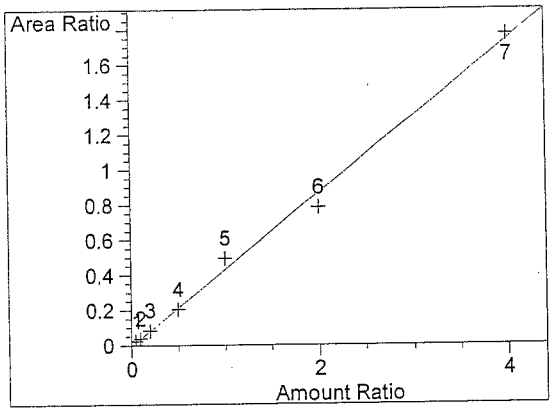
Endosulfan II at exp. RT: 6.316
ECD2 B,
Correlation: 0.99925
Residual Std. Dev.: 0.03784
Formula: y = mx + b
m: 6.47070e-1
b: 7.59004e-3
x: Amount Ratio
y: Area Ratio



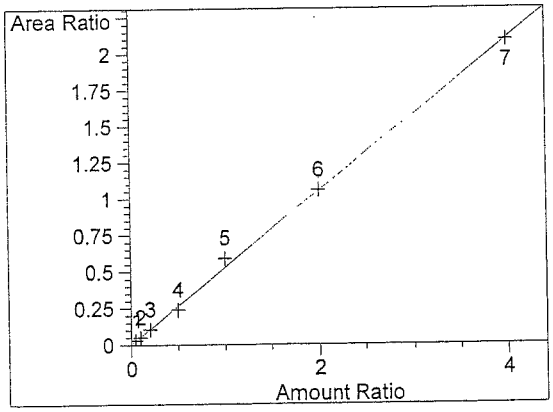
Endrin Aldehyde at exp. RT: 6.337
ECD1 A,
Correlation: 0.99948
Residual Std. Dev.: 0.02998
Formula: y = mx + b
m: 6.20079e-1
b: 5.76249e-3
x: Amount Ratio
y: Area Ratio



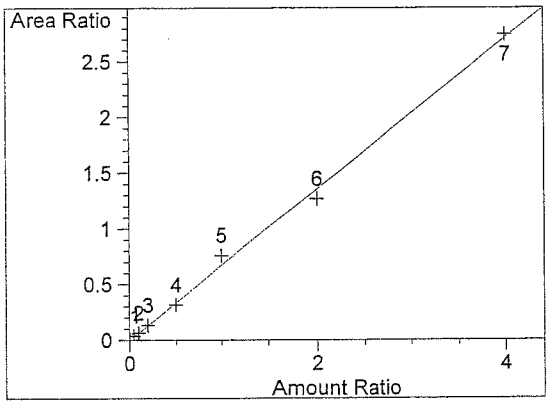
4,4'-DDT at exp. RT: 6.550
ECD2 B,
Correlation: 0.99925
Residual Std. Dev.: 0.03798
Formula: y = mx + b
m: 6.52898e-1
b: -2.15081e-2
x: Amount Ratio
y: Area Ratio



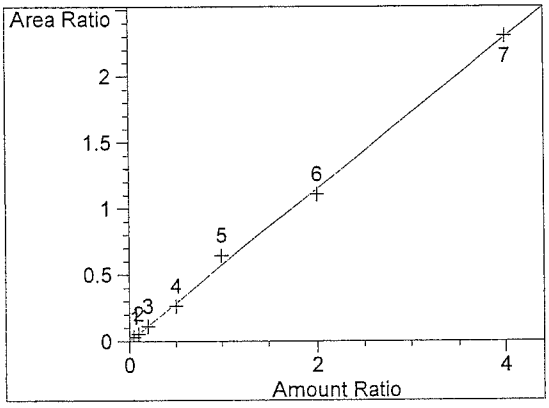
Methoxychlor at exp. RT: 6.569
ECD1 A,
Correlation: 0.99772
Residual Std. Dev.: 0.04440
Formula: y = mx + b
m: 4.36392e-1
b: -4.06156e-3
x: Amount Ratio
y: Area Ratio



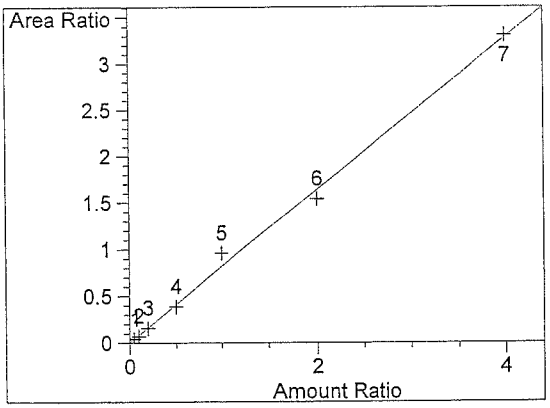
Endrin Aldehyde at exp. RT: 6.702
ECD2 B,
Correlation: 0.99937
Residual Std. Dev.: 0.02800
Formula: y = mx + b
m: 5.24061e-1
b: 5.97997e-3
x: Amount Ratio
y: Area Ratio



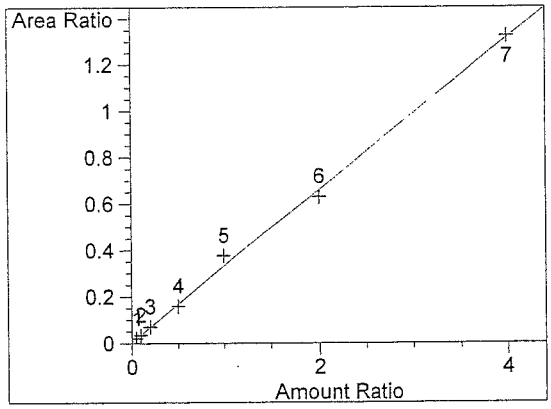
Endosulfan Sulphate at exp. RT: 6.819
ECD1 A,
Correlation: 0.99871
Residual Std. Dev.: 0.05208
Formula: y = mx + b
m: 6.79310e-1
b: -3.35138e-3
x: Amount Ratio
y: Area Ratio



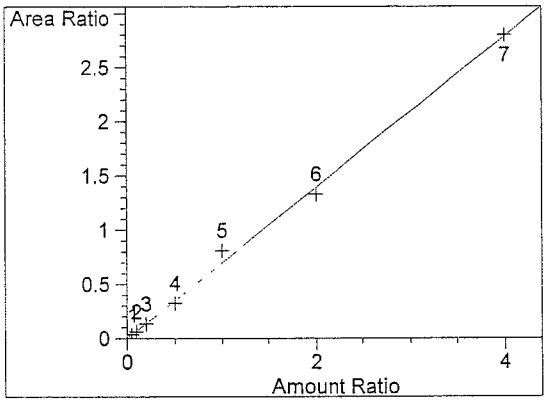
Endosulfan Sulphate at exp. RT: 7.041
ECD2 B,
Correlation: 0.99919
Residual Std. Dev.: 0.03469
Formula: y = mx + b
m: 5.73845e-1
b: 1.60229e-3
x: Amount Ratio
y: Area Ratio



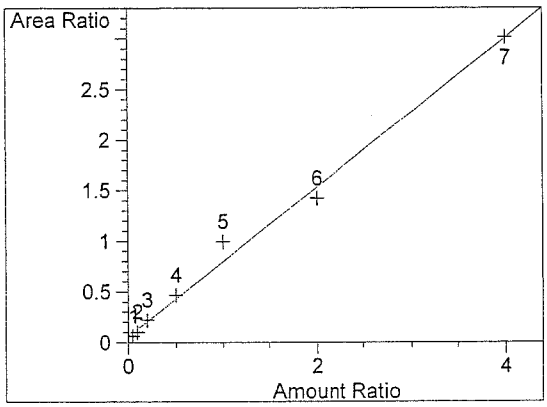
Endrin Ketone at exp. RT: 7.139
ECD1 A,
Correlation: 0.99833
Residual Std. Dev.: 0.07155
Formula: y = mx + b
m: 8.20327e-1
b: 1.72310e-3
x: Amount Ratio
y: Area Ratio



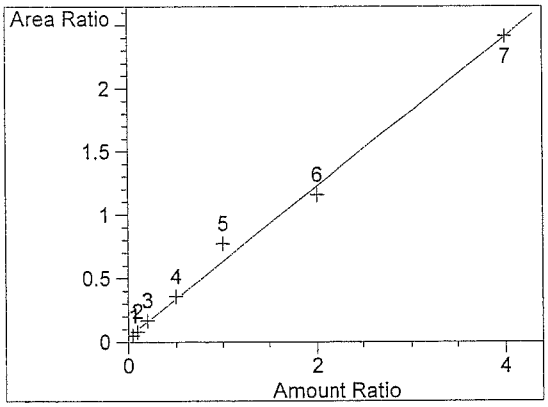
Methoxychlor at exp. RT: 7.310
ECD2 B,
Correlation: 0.99899
Residual Std. Dev.: 0.02219
Formula: y = mx + b
m: 3.28228e-1
b: 4.27004e-3
x: Amount Ratio
y: Area Ratio



Endrin Ketone at exp. RT: 7.621
ECD2 B,
Correlation: 0.99866
Residual Std. Dev.: 0.05430
Formula: y = mx + b
m: 6.96100e-1
b: 2.89829e-3
x: Amount Ratio
y: Area Ratio



DCBP at exp. RT: 8.312
ECD1 A,
Correlation: 0.99607
Residual Std. Dev.: 0.09856
Formula: y = mx + b
m: 7.36721e-1
b: 6.15705e-2
x: Amount Ratio
y: Area Ratio

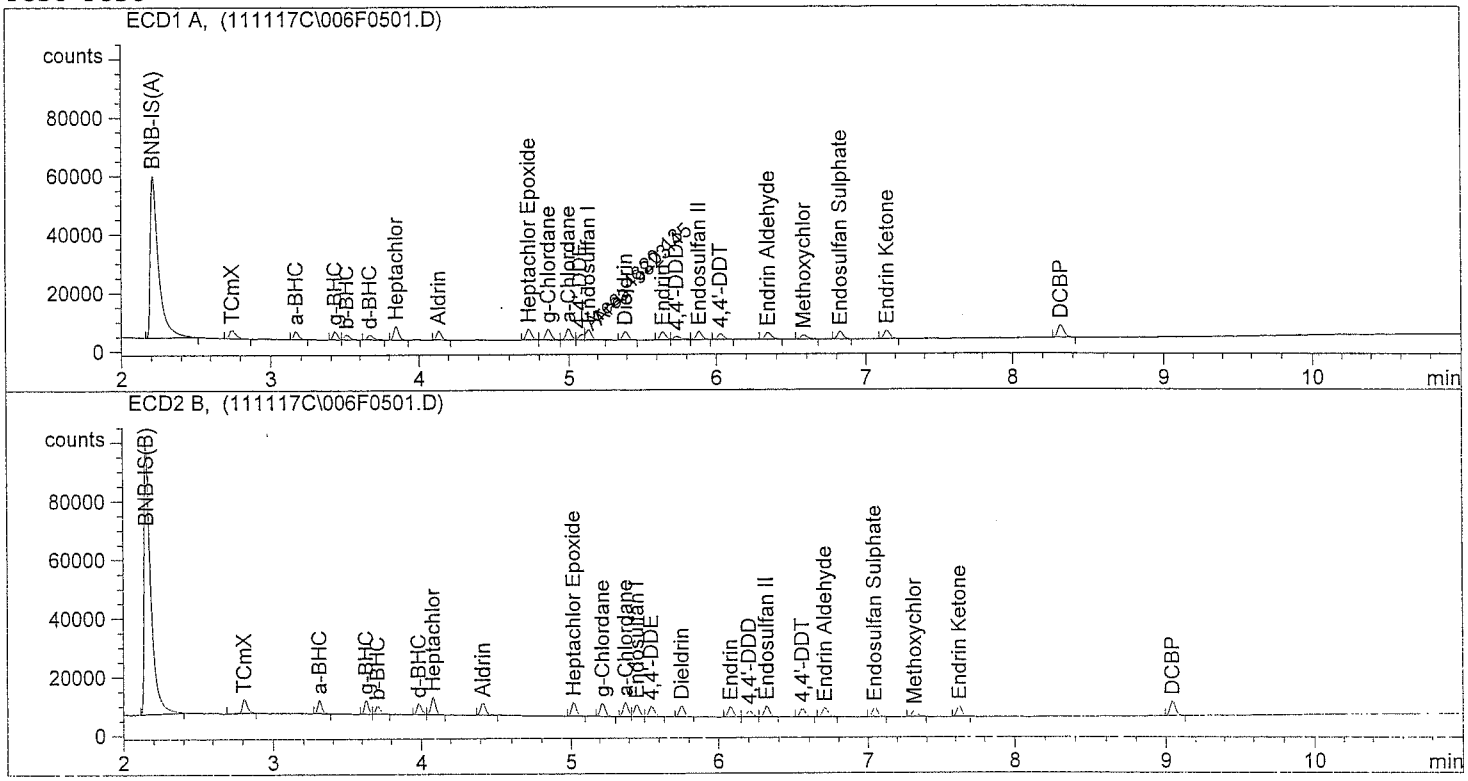


DCBP at exp. RT: 9.040
ECD2 B,
Correlation: 0.99717
Residual Std. Dev.: 0.06729
Formula: y = mx + b
m: 5.92459e-1
b: 4.20135e-2
x: Amount Ratio
y: Area Ratio

==========

```
Injection Date  : 11/17/2011 6:15:27 PM          Seq. Line :   5
Sample Name     : PCal L-1 .005ppm               Location : Vial 6
Acq. Operator   : G.J.Brien                          Inj :   1
Acq. Instrument : Dual ECD 1                   Inj Volume : 2 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PSTRUN.M
Last changed    : 7/22/2010 11:35:51 AM by M.Miller
Analysis Method : C:\HPCHEM\1\METHODS\P1118ISA.M
Last changed    : 11/18/2011 10:57:21 AM by M.Miller
                  (modified after loading)
```

Test Pest



Internal Standard Report

```
Sorted By             :      Signal
Calib. Data Modified  :      Friday, November 18, 2011 10:57:19 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
```

ISTD #	ISTD Amount [ng/ul]	Name
2	1.00000e-1	BNB-IS(B)
1	1.00000e-1	BNB-IS(A)

Signal 1: ECD1 A,

RetTime [min]	Type		Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.212	PB	I	2.09250e5	1.00000	1.00000e-1		BNB-IS(A)
2.745	PP		8811.02539	1.41519	5.95904e-3		TCmX
3.165	PB		6096.18457	3.10818	9.05521e-3		a-BHC
3.428	PV		6419.48926	2.68412	8.23449e-3		g-BHC
3.510	VB		4946.72998	3.23634	7.65079e-3		b-BHC
3.669	BB		5040.65479	4.10805	9.89593e-3		d-BHC

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
3.848	BP	1.10240e4	9.76922e-1	5.14673e-3		Heptachlor
4.133	BP	7469.88672	2.13926	7.63679e-3		Aldrin
4.730	BV	9485.74609	1.22733	5.56374e-3		Heptachlor Epoxide
4.859	VV	1.00170e4	1.42547	6.82386e-3		g-Chlordane
4.996	VV	9674.38574	1.35777	6.27746e-3		a-Chlordane
5.078	MF	4820.13184	3.99964	9.21327e-3		4,4'-DDE
5.136	FM	9823.44531	1.46074	6.85759e-3		Endosulfan I
5.391	BB	7494.49268	2.20268	7.88910e-3		Dieldrin
5.640	BV	7318.30371	2.02546	7.08385e-3		Endrin
5.732	VV	4189.48682	5.28788	1.05871e-2		4,4'-DDD
5.883	VB	7903.19580	1.97961	7.47680e-3		Endosulfan II
6.028	BB	5894.64697	3.35017	9.43754e-3		4,4'-DDT
6.342	BB	7227.91992	2.15260	7.43551e-3		Endrin Aldehyde
6.579	PB	4619.63232	3.51946	7.76994e-3		Methoxychlor
6.824	BB	7213.65771	2.37672	8.19349e-3		Endosulfan Sulphate
7.143	BB	8330.72266	2.09445	8.33846e-3		Endrin Ketone
8.319	BB	1.28255e4	9.90325e-1	6.06995e-3		DCBP

Totals without ISTD(s) : 1.68597e-1

Results obtained with enhanced integrator!

Signal 2: ECD2 B,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.156	BB	I 2.75296e5	1.00000	1.00000e-1		BNB-IS(B)
2.812	PB	1.16641e4	9.89871e-1	4.19401e-3		TCmX
3.306	BB	9374.54492	2.02297	6.88873e-3		a-BHC
3.629	PV	9660.81445	1.66626	5.84732e-3		g-BHC
3.708	VB	6706.92871	2.49695	6.08321e-3		b-BHC
3.984	BV	8683.25000	2.43336	7.67520e-3		d-BHC
4.079	VP	1.35427e4	8.15425e-1	4.01134e-3		Heptachlor
4.415	BB	9724.33691	1.59760	5.64323e-3		Aldrin
5.017	BP	1.11631e4	9.22373e-1	3.74018e-3		Heptachlor Epoxide
5.219	BP	1.14040e4	1.27330	5.27455e-3		g-Chlordane
5.376	BV	1.14996e4	1.14897	4.79946e-3		a-Chlordane
5.451	VV	1.03561e4	1.35693	5.10451e-3		Endosulfan I
5.550	VB	9774.19531	1.79048	6.35697e-3		4,4'-DDE
5.751	BB	9409.63574	1.80839	6.18111e-3		Dieldrin
6.081	BV	8811.54980	1.57464	5.04003e-3		Endrin
6.205	VV	5843.61377	3.88236	8.24095e-3		4,4'-DDD
6.320	VB	9474.55957	1.62830	5.60392e-3		Endosulfan II
6.555	BB	7453.05322	2.98723	8.08729e-3		4,4'-DDT
6.707	BB	8449.73438	2.03975	6.26065e-3		Endrin Aldehyde
7.045	BB	8434.82422	2.27866	6.98161e-3		Endosulfan Sulphate
7.317	BB	5623.61768	2.94352	6.01289e-3		Methoxychlor
7.625	BB	9401.65723	1.93336	6.60264e-3		Endrin Ketone
9.044	BB	1.31351e4	1.04857	5.00299e-3		DCBP

Totals without ISTD(s) : 1.29633e-1

Results obtained with enhanced integrator!
1 Warnings or Errors :

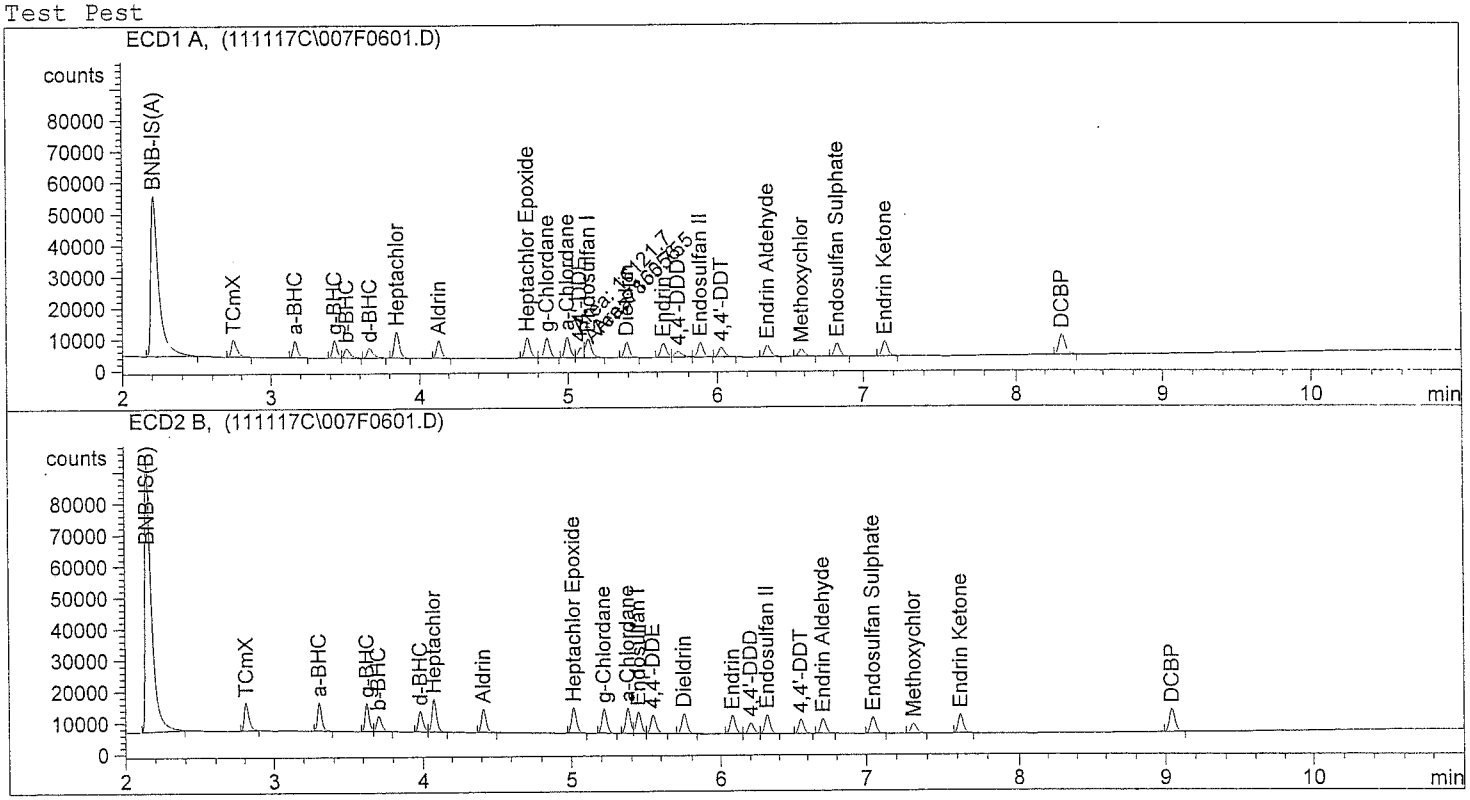
Warning : Calibration warnings (see calibration table listing)

==========

*** End of Report ***

```
Injection Date  : 11/17/2011 6:31:36 PM          Seq. Line :   6
Sample Name     : PCal L-2 .010ppm               Location : Vial 7
Acq. Operator   : G.J.Brien                          Inj :   1
Acq. Instrument : Dual ECD 1                   Inj Volume : 2 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PSTRUN.M
Last changed    : 7/22/2010 11:35:51 AM by M.Miller
Analysis Method : C:\HPCHEM\1\METHODS\P1118ISA.M
Last changed    : 11/18/2011 10:58:57 AM by M.Miller
                  (modified after loading)
```

Test Pest



Internal Standard Report

```
Sorted By             :      Signal
Calib. Data Modified  :      Friday, November 18, 2011 10:58:55 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
```

ISTD #	ISTD Amount [ng/ul]	Name
2	1.00000e-1	BNB-IS(B)
1	1.00000e-1	BNB-IS(A)

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.211	PB I	1.89486e5	1.00000	1.00000e-1		BNB-IS(A)
2.745	PB	1.54448e4	1.25802	1.02540e-2		TCmX
3.164	BB	1.15840e4	1.91019	1.16777e-2		a-BHC
3.428	BV	1.19060e4	1.79646	1.12878e-2		g-BHC
3.509	VB	8620.13965	2.47577	1.12628e-2		b-BHC
3.669	BB	9082.62402	2.55373	1.22408e-2		d-BHC

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
3.847	BP	1.92170e4	9.61839e-1	9.75464e-3		Heptachlor
4.132	BP	1.30463e4	1.61458	1.11165e-2		Aldrin
4.729	BV	1.60054e4	1.21461	1.02594e-2		Heptachlor Epoxide
4.858	VV	1.62485e4	1.28365	1.10073e-2		g-Chlordane
4.995	MV	1.61217e4	1.24811	1.06190e-2		a-Chlordane
5.078	MF	7855.74951	2.82879	1.17276e-2		4,4'-DDE
5.135	FM	1.60565e4	1.32961	1.12667e-2		Endosulfan I
5.389	BB	1.24376e4	1.76392	1.15781e-2		Dieldrin
5.639	BV	1.17019e4	1.75124	1.08149e-2		Endrin
5.731	VV	6685.43408	3.71357	1.31022e-2		4,4'-DDD
5.882	VB	1.29770e4	1.72586	1.18196e-2		Endosulfan II
6.027	BB	9221.65332	2.54290	1.23754e-2		4,4'-DDT
6.342	BB	1.06942e4	2.00204	1.12991e-2		Endrin Aldehyde
6.578	PB	7067.75000	3.14422	1.17278e-2		Methoxychlor
6.823	BB	1.14069e4	2.06077	1.24057e-2		Endosulfan Sulphate
7.142	BB	1.30330e4	1.76908	1.21678e-2		Endrin Ketone
8.318	BB	1.91073e4	1.18674	1.19668e-2		DCBP

Totals without ISTD(s) : 2.51732e-1

Results obtained with enhanced integrator!

Signal 2: ECD2 B,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.154	BB I	2.51855e5	1.00000	1.00000e-1		BNB-IS(B)
2.811	PB	2.04255e4	1.11063	9.00719e-3		TCmX
3.305	BB	1.76876e4	1.44394	1.01407e-2		a-BHC
3.628	BV	1.77510e4	1.34411	9.47342e-3		g-BHC
3.706	VB	1.18341e4	2.20439	1.03580e-2		b-BHC
3.983	BV	1.46943e4	1.82581	1.06525e-2		d-BHC
4.078	VB	2.33009e4	9.47522e-1	8.76621e-3		Heptachlor
4.414	BB	1.65466e4	1.42874	9.38669e-3		Aldrin
5.016	BP	1.88772e4	1.13800	8.52962e-3		Heptachlor Epoxide
5.218	BP	1.84613e4	1.29105	9.46359e-3		g-Chlordane
5.375	BV	1.87102e4	1.23139	9.14794e-3		a-Chlordane
5.450	VV	1.67894e4	1.39551	9.30290e-3		Endosulfan I
5.549	VB	1.56077e4	1.61756	1.00241e-2		4,4'-DDE
5.749	BB	1.55393e4	1.63180	1.00681e-2		Dieldrin
6.079	BV	1.41732e4	1.61095	9.06567e-3		Endrin
6.204	VV	9448.64551	3.03460	1.13847e-2		4,4'-DDD
6.318	VB	1.54873e4	1.63978	1.00835e-2		Endosulfan II
6.554	BB	1.15675e4	2.45033	1.12542e-2		4,4'-DDT
6.706	BB	1.25656e4	2.04357	1.01958e-2		Endrin Aldehyde
7.044	BB	1.34424e4	2.12130	1.13221e-2		Endosulfan Sulphate
7.315	BB	8393.13574	3.13351	1.04425e-2		Methoxychlor
7.623	BB	1.52155e4	1.78086	1.07589e-2		Endrin Ketone
9.043	BB	1.97249e4	1.36917	1.07232e-2		DCBP

Totals without ISTD(s) : 2.19551e-1

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

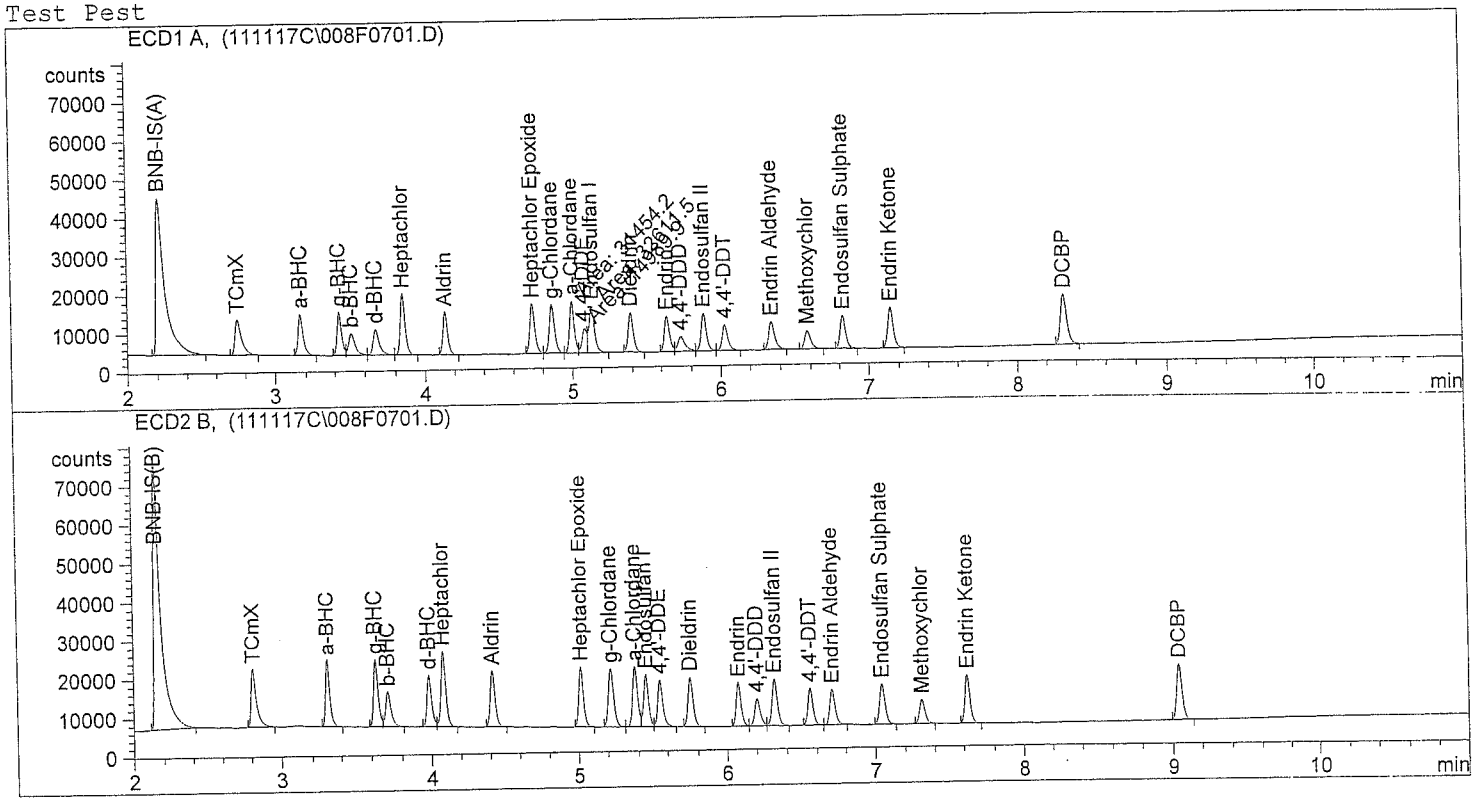
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*** End of Report ***

Injection Date : 11/17/2011 6:47:43 PM
Sample Name : PCal L-3 .020ppm
Acq. Operator : G.J.Brien
Acq. Instrument : Dual ECD 1
Acq. Method : C:\HPCHEM\1\METHODS\PSTRUN.M
Last changed : 7/22/2010 11:35:51 AM by M.Miller
Analysis Method : C:\HPCHEM\1\METHODS\P1118ISA.M
Last changed : 11/18/2011 11:00:15 AM by M.Miller
(modified after loading)

Seq. Line : 7
Location : Vial 8
Inj : 1
Inj Volume : 2 µl

Test Pest



Internal Standard Report

Sorted By : Signal
Calib. Data Modified : Friday, November 18, 2011 11:00:13 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:

ISTD #	ISTD Amount [ng/ul]	Name
2	1.00000e-1	BNB-IS(B)
1	1.00000e-1	BNB-IS(A)

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.212	PB I	1.71194e5	1.00000	1.00000e-1		BNB-IS(A)
2.745	PB	2.89550e4	1.17037	1.97952e-2		TCmX
3.166	BB	2.38632e4	1.30416	1.81791e-2		a-BHC
3.429	BV	2.43732e4	1.32717	1.88951e-2		g-BHC
3.510	VV	1.69753e4	2.01413	1.99719e-2		b-BHC
3.670	VV	1.88532e4	1.66321	1.83166e-2		d-BHC

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
3.848	VP	3.68081e4	9.48078e-1	2.03845e-2		Heptachlor
4.134	BP	2.57358e4	1.30485	1.96161e-2		Aldrin
4.729	BV	3.05233e4	1.19841	2.13673e-2		Heptachlor Epoxide
4.858	VV	3.10076e4	1.17982	2.13697e-2		g-Chlordane
4.995	MV	3.14542e4	1.16960	2.14897e-2		a-Chlordane
5.074	MF	1.49899e4	2.03885	1.78524e-2		4,4'-DDE
5.136	FM	3.26115e4	1.23045	2.34395e-2		Endosulfan I
5.390	BB	2.44514e4	1.46839	2.09728e-2		Dieldrin
5.639	BV	2.23847e4	1.56561	2.04713e-2		Endrin
5.730	VV	1.32974e4	2.55827	1.98712e-2		4,4'-DDD
5.882	VV	2.56316e4	1.54622	2.31504e-2		Endosulfan II
6.028	VB	1.89840e4	1.90127	2.10836e-2		4,4'-DDT
6.341	BB	2.06080e4	1.84387	2.21963e-2		Endrin Aldehyde
6.578	PB	1.41144e4	2.79380	2.30340e-2		Methoxychlor
6.823	BB	2.25354e4	1.81416	2.38810e-2		Endosulfan Sulphate
7.143	BB	2.69676e4	1.49845	2.36046e-2		Endrin Ketone
8.317	BB	3.75369e4	1.33464	2.92641e-2		DCBP

Totals without ISTD(s) : 4.68206e-1

Results obtained with enhanced integrator!

Signal 2: ECD2 B,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.155	BB I	2.31593e5	1.00000	1.00000e-1		BNB-IS(B)
2.811	BB	3.88712e4	1.16061	1.94800e-2		TCmX
3.306	BB	3.55880e4	1.14999	1.76715e-2		a-BHC
3.629	BV	3.54290e4	1.17483	1.79726e-2		g-BHC
3.706	VB	2.28341e4	2.03176	2.00323e-2		b-BHC
3.983	BV	2.95213e4	1.43709	1.83187e-2		d-BHC
4.078	VB	4.40249e4	1.02352	1.94567e-2		Heptachlor
4.415	BB	3.21263e4	1.32261	1.83470e-2		Aldrin
5.017	BB	3.58913e4	1.26300	1.95735e-2		Heptachlor Epoxide
5.218	BP	3.54434e4	1.29652	1.98422e-2		g-Chlordane
5.375	VV	3.60411e4	1.28097	1.99348e-2		a-Chlordane
5.451	VV	3.24070e4	1.41784	1.98400e-2		Endosulfan I
5.549	VB	3.05500e4	1.48675	1.96122e-2		4,4'-DDE
5.749	BB	3.02292e4	1.51142	1.97282e-2		Dieldrin
6.080	BV	2.67941e4	1.64557	1.90384e-2		Endrin
6.203	VV	1.87382e4	2.42263	1.96015e-2		4,4'-DDD
6.318	VB	3.00901e4	1.64445	2.13658e-2		Endosulfan II
6.554	BP	2.33239e4	2.02586	2.04026e-2		4,4'-DDT
6.706	VB	2.43729e4	2.00937	2.11466e-2		Endrin Aldehyde
7.044	BB	2.61290e4	1.99916	2.25552e-2		Endosulfan Sulphate
7.315	BB	1.62182e4	3.25893	2.28220e-2		Methoxychlor
7.623	BB	3.10221e4	1.65438	2.21606e-2		Endrin Ketone
9.042	BB	3.84271e4	1.61559	2.68067e-2		DCBP

Totals without ISTD(s) : 4.45709e-1

Results obtained with enhanced integrator!

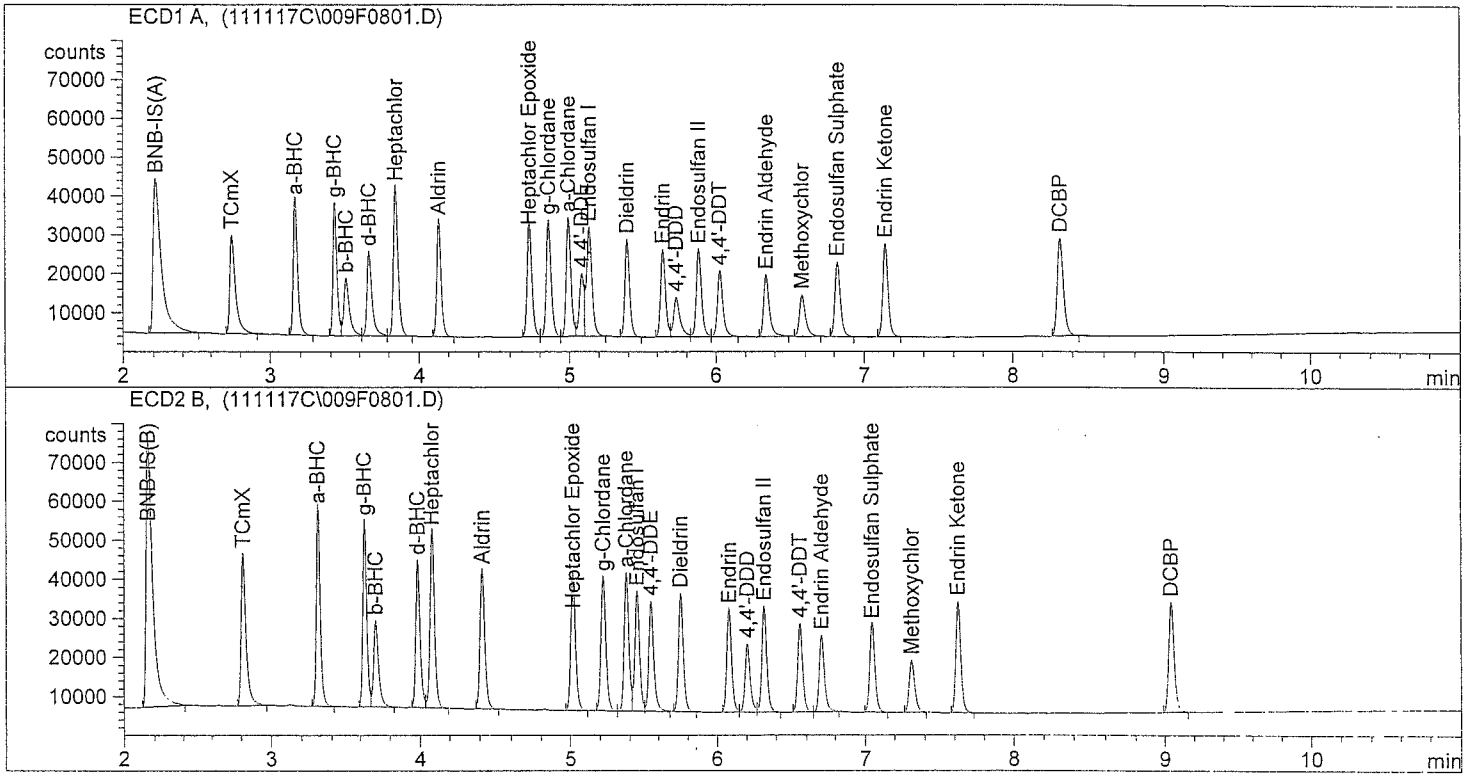
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

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*** End of Report ***

```
Injection Date  : 11/17/2011 7:03:53 PM          Seq. Line :   8
Sample Name     : PCal L-4 .050ppm                Location : Vial 9
Acq. Operator   : G.J.Brien                           Inj :   1
Acq. Instrument : Dual ECD 1                  Inj Volume : 2 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PSTRUN.M
Last changed    : 7/22/2010 11:35:51 AM by M.Miller
Analysis Method : C:\HPCHEM\1\METHODS\P1118ISA.M
Last changed    : 11/18/2011 11:00:54 AM by M.Miller
                  (modified after loading)
Test Pest
```



Internal Standard Report

```
Sorted By             :      Signal
Calib. Data Modified  :      Friday, November 18, 2011 11:00:53 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
```

ISTD #	ISTD Amount [ng/ul]	Name
2	1.00000e-1	BNB-IS(B)
1	1.00000e-1	BNB-IS(A)

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.216	PB I	1.56537e5	1.00000	1.00000e-1		BNB-IS(A)
2.744	BB	6.89577e4	1.12488	4.95531e-2		TCmX
3.167	BB	7.06677e4	9.84306e-1	4.44358e-2		a-BHC
3.429	BV	6.81265e4	1.08909	4.73984e-2		g-BHC
3.508	VV	4.03452e4	1.79715	4.63190e-2		b-BHC
3.669	VV	5.31962e4	1.22025	4.14679e-2		d-BHC

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
3.847	VB	8.46050e4	9.56137e-1	5.16771e-2		Heptachlor
4.133	BB	6.37766e4	1.16319	4.73909e-2		Aldrin
4.729	BV	6.78747e4	1.21410	5.26433e-2		Heptachlor Epoxide
4.858	VV	6.91287e4	1.14863	5.07247e-2		g-Chlordane
4.995	VV	7.07189e4	1.15335	5.21050e-2		a-Chlordane
5.085	VV	3.44938e4	1.65058	3.63713e-2		4,4'-DDE
5.135	VB	7.36869e4	1.21147	5.70274e-2		Endosulfan I
5.389	BB	5.69455e4	1.34580	4.89579e-2		Dieldrin
5.639	BV	5.20804e4	1.49734	4.98171e-2		Endrin
5.729	VV	3.09317e4	2.01553	3.98267e-2		4,4'-DDD
5.881	VV	5.66873e4	1.49236	5.40430e-2		Endosulfan II
6.026	VB	4.49625e4	1.62723	4.67392e-2		4,4'-DDT
6.340	BB	4.47224e4	1.78836	5.10931e-2		Endrin Aldehyde
6.577	BB	3.18621e4	2.64000	5.37355e-2		Methoxychlor
6.822	BB	4.92287e4	1.72370	5.42078e-2		Endosulfan Sulphate
7.141	BB	6.02003e4	1.40565	5.40576e-2		Endrin Ketone
8.316	BB	7.30554e4	1.41987	6.62647e-2		DCBP

Totals without ISTD(s) : 1.09586

Results obtained with enhanced integrator!

Signal 2: ECD2 B,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.158	BB I	2.12270e5	1.00000	1.00000e-1		BNB-IS(B)
2.812	BB	8.96808e4	1.19002	5.02765e-2		TCmX
3.307	BB	9.67667e4	9.94059e-1	4.53159e-2		a-BHC
3.629	BV	9.14191e4	1.09498	4.71580e-2		g-BHC
3.705	VB	5.23043e4	1.96819	4.84972e-2		b-BHC
3.983	BV	7.70949e4	1.24635	4.52668e-2		d-BHC
4.078	VB	9.88191e4	1.08541	5.05296e-2		Heptachlor
4.415	BB	7.56706e4	1.28946	4.59669e-2		Aldrin
5.017	BB	7.97117e4	1.35852	5.10153e-2		Heptachlor Epoxide
5.219	BV	7.90653e4	1.32619	4.93973e-2		g-Chlordane
5.376	VV	7.98869e4	1.33468	5.02303e-2		a-Chlordane
5.451	VV	7.25762e4	1.46079	4.99454e-2		Endosulfan I
5.549	VB	6.90190e4	1.44913	4.71182e-2		4,4'-DDE
5.750	BB	6.92874e4	1.48059	4.83283e-2		Dieldrin
6.080	BV	6.09117e4	1.70194	4.88380e-2		Endrin
6.203	VV	4.30524e4	2.15036	4.36135e-2		4,4'-DDD
6.318	VP	6.57866e4	1.68902	5.23462e-2		Endosulfan II
6.554	BP	5.35798e4	1.85493	4.68211e-2		4,4'-DDT
6.706	VB	5.07899e4	2.02804	4.85252e-2		Endrin Aldehyde
7.044	BB	5.62219e4	1.97522	5.23158e-2		Endosulfan Sulphate
7.315	BB	3.36346e4	3.37516	5.34802e-2		Methoxychlor
7.624	BB	6.88624e4	1.62834	5.28250e-2		Endrin Ketone
9.042	BB	7.57030e4	1.75415	6.25595e-2		DCBP

Totals without ISTD(s) : 1.09037

Results obtained with enhanced integrator!
1 Warnings or Errors :

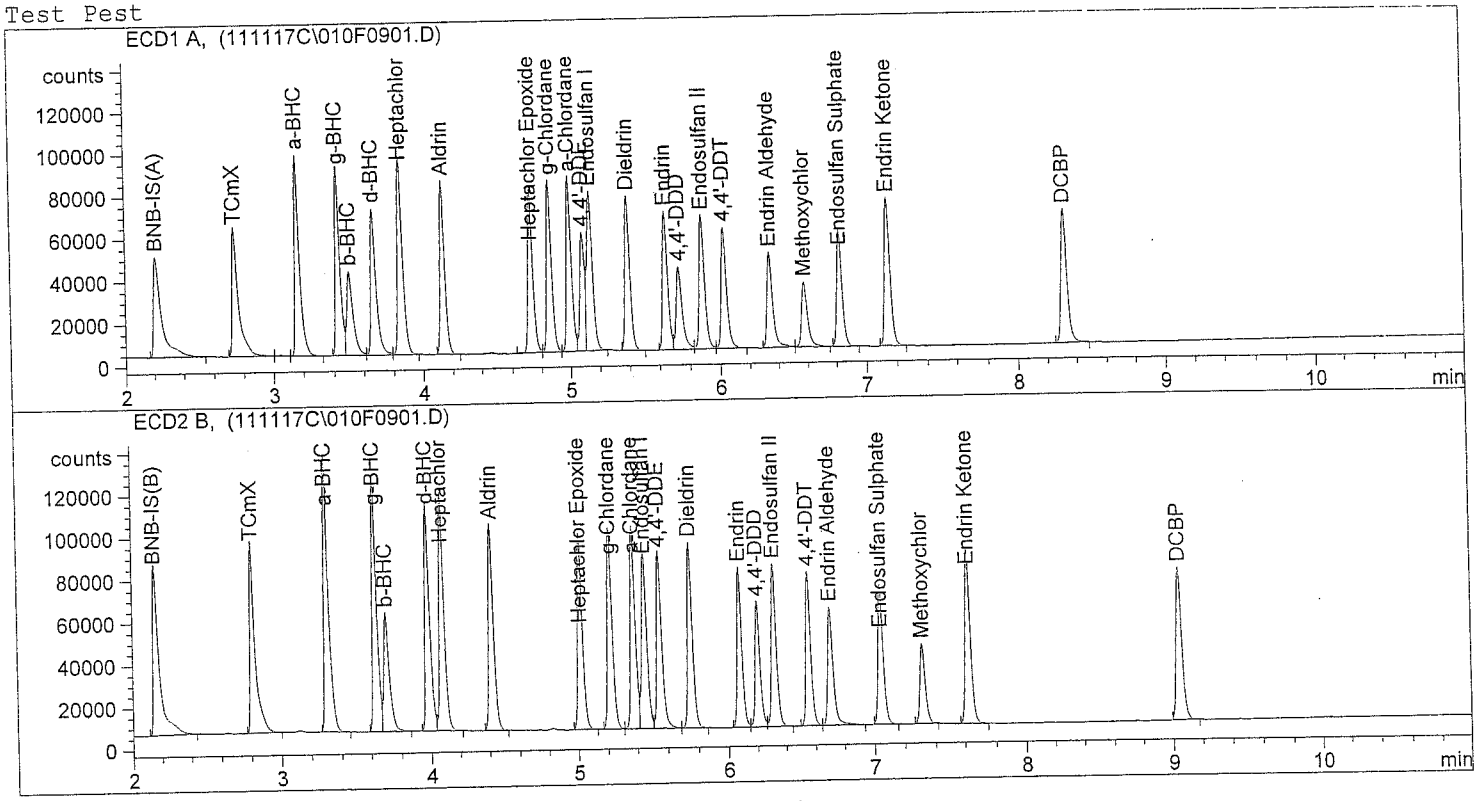
Warning : Calibration warnings (see calibration table listing)

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*** End of Report ***

Injection Date : 11/17/2011 7:20:00 PM Seq. Line : 9
Sample Name : PCal L-5 .100ppm Location : Vial 10
Acq. Operator : G.J.Brien Inj : 1
Acq. Instrument : Dual ECD 1 Inj Volume : 2 µl
Acq. Method : C:\HPCHEM\1\METHODS\PSTRUN.M
Last changed : 7/22/2010 11:35:51 AM by M.Miller
Analysis Method : C:\HPCHEM\1\METHODS\P1118ISA.M
Last changed : 11/18/2011 11:01:28 AM by M.Miller
(modified after loading)

Test Pest



Internal Standard Report

Sorted By : Signal
Calib. Data Modified : Friday, November 18, 2011 11:01:27 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:

ISTD #	ISTD Amount [ng/ul]	Name
2	1.00000e-1	BNB-IS(B)
1	1.00000e-1	BNB-IS(A)

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.211	PB I	1.86144e5	1.00000	1.00000e-1		BNB-IS(A)
2.741	BB	1.80624e5	1.09440	1.06195e-1		TCmX
3.164	VP	2.11252e5	8.84001e-1	1.00324e-1		a-BHC
3.428	BV	1.96236e5	1.00674	1.06132e-1		g-BHC
3.504	VV	1.15011e5	1.67564	1.03531e-1		b-BHC
3.665	VV	1.78078e5	1.05266	1.00705e-1		d-BHC

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
3.846	VB	2.24011e5	9.42813e-1	1.13461e-1		Heptachlor
4.132	BB	1.87192e5	1.09209	1.09824e-1		Aldrin
4.728	BV	1.83059e5	1.19771	1.17786e-1		Heptachlor Epoxide
4.857	VV	1.93000e5	1.11334	1.15435e-1		g-Chlordane
4.994	VV	1.94590e5	1.12467	1.17569e-1		a-Chlordane
5.083	VV	1.24891e5	1.39656	9.37006e-2		4,4'-DDE
5.135	VB	2.01987e5	1.18810	1.28923e-1		Endosulfan I
5.389	BB	1.69668e5	1.27011	1.15769e-1		Dieldrin
5.638	BV	1.52743e5	1.44007	1.18167e-1		Endrin
5.725	VV	1.09169e5	1.71511	1.00587e-1		4,4'-DDD
5.880	VV	1.60127e5	1.44539	1.24337e-1		Endosulfan II
6.025	VB	1.47114e5	1.47826	1.16830e-1		4,4'-DDT
6.339	BV	1.25843e5	1.73647	1.17394e-1		Endrin Aldehyde
6.574	VB	9.19069e4	2.54008	1.25414e-1		Methoxychlor
6.821	BB	1.41251e5	1.66230	1.26139e-1		Endosulfan Sulphate
7.141	BB	1.78428e5	1.34675	1.29092e-1		Endrin Ketone
8.315	BB	1.84812e5	1.45162	1.44123e-1		DCBP

Totals without ISTD(s) : 2.53144

Results obtained with enhanced integrator!

Signal 2: ECD2 B,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.153	BB	I 2.51369e5	1.00000	1.00000e-1		BNB-IS(B)
2.808	PB	2.22495e5	1.18607	1.04983e-1		TCmX
3.305	BB	2.74697e5	9.31869e-1	1.01835e-1		a-BHC
3.627	BV	2.55708e5	1.05024	1.06837e-1		g-BHC
3.702	VB	1.43968e5	1.90106	1.08881e-1		b-BHC
3.981	BV	2.38082e5	1.15313	1.09218e-1		d-BHC
4.077	VB	2.63290e5	1.08651	1.13804e-1		Heptachlor
4.415	BB	2.18014e5	1.24529	1.08005e-1		Aldrin
5.016	BB	2.14233e5	1.36438	1.16281e-1		Heptachlor Epoxide
5.218	BV	2.20944e5	1.30593	1.14787e-1		g-Chlordane
5.374	VV	2.20528e5	1.32390	1.16147e-1		a-Chlordane
5.449	VV	2.03279e5	1.44217	1.16627e-1		Endosulfan I
5.547	VV	2.03786e5	1.39384	1.12999e-1		4,4'-DDE
5.749	VB	2.03432e5	1.43126	1.15831e-1		Dieldrin
6.079	BV	1.76031e5	1.68040	1.17677e-1		Endrin
6.201	VV	1.41778e5	1.96804	1.11002e-1		4,4'-DDD
6.317	VB	1.85696e5	1.67079	1.23427e-1		Endosulfan II
6.552	BV	1.71483e5	1.73221	1.18171e-1		4,4'-DDT
6.704	VB	1.48284e5	1.98331	1.16997e-1		Endrin Aldehyde
7.043	BB	1.62040e5	1.92766	1.24262e-1		Endosulfan Sulphate
7.313	BB	9.43608e4	3.36746	1.26410e-1		Methoxychlor
7.623	PB	2.03423e5	1.58818	1.28525e-1		Endrin Ketone
9.041	BB	1.93917e5	1.80483	1.39233e-1		DCBP

Totals without ISTD(s) : 2.55194

Results obtained with enhanced integrator!
1 Warnings or Errors :

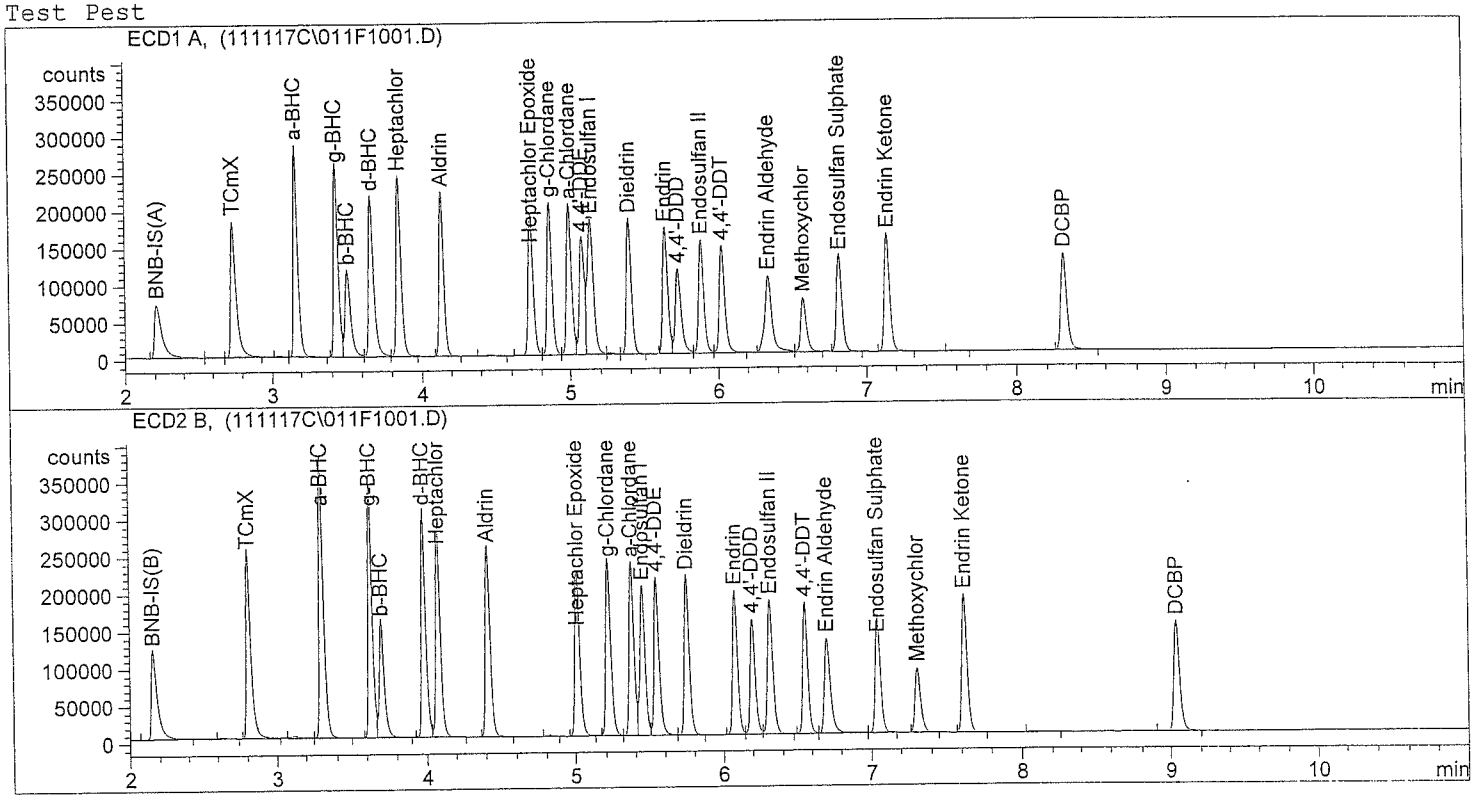
Warning : Calibration warnings (see calibration table listing)

==========

*** End of Report ***

```
Injection Date  : 11/17/2011 7:36:12 PM          Seq. Line :  10
Sample Name     : PCal L-6 .200ppm                Location : Vial 11
Acq. Operator   : G.J.Brien                          Inj :   1
Acq. Instrument : Dual ECD 1                  Inj Volume : 2 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PSTRUN.M
Last changed    : 7/22/2010 11:35:51 AM by M.Miller
Analysis Method : C:\HPCHEM\1\METHODS\P1118ISA.M
Last changed    : 11/18/2011 11:02:05 AM by M.Miller
                  (modified after loading)
```

Test Pest



Internal Standard Report

```
Sorted By             :      Signal
Calib. Data Modified  :      Friday, November 18, 2011 11:02:04 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount    Name
  #     [ng/ul]
----|-------------|--------------------------
  2   1.00000e-1   BNB-IS(B)
  1   1.00000e-1   BNB-IS(A)
```

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.212	PB I	2.70573e5	1.00000	1.00000e-1		BNB-IS(A)
2.738	VB	4.66482e5	1.10146	1.89897e-1		TCmX
3.163	VP	6.09044e5	8.66492e-1	1.95042e-1		a-BHC
3.426	BV	5.45986e5	9.90868e-1	1.99946e-1		g-BHC
3.501	VV	3.01530e5	1.69754	1.89176e-1		b-BHC
3.662	VV	5.24802e5	1.02781	1.99354e-1		d-BHC

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
3.846	VB	5.42541e5	9.60566e-1	1.92609e-1		Heptachlor
4.132	BB	4.89521e5	1.09395	1.97917e-1		Aldrin
4.727	BV	4.52204e5	1.21100	2.02393e-1		Heptachlor Epoxide
4.856	VV	4.89414e5	1.12119	2.02801e-1		g-Chlordane
4.993	VV	4.83972e5	1.13341	2.02733e-1		a-Chlordane
5.079	VV	3.69417e5	1.37401	1.87596e-1		4,4'-DDE
5.134	VV	4.92856e5	1.18627	2.16082e-1		Endosulfan I
5.388	VB	4.35958e5	1.27005	2.04636e-1		Dieldrin
5.637	BV	4.06485e5	1.43407	2.15442e-1		Endrin
5.721	VV	3.16331e5	1.68240	1.96692e-1		4,4'-DDD
5.879	VV	3.90882e5	1.44736	2.09092e-1		Endosulfan II
6.022	VB	3.84844e5	1.46100	2.07803e-1		4,4'-DDT
6.337	BV	3.46107e5	1.73553	2.22003e-1		Endrin Aldehyde
6.571	VB	2.12236e5	2.54512	1.99638e-1		Methoxychlor
6.821	BB	3.42282e5	1.65908	2.09878e-1		Endosulfan Sulphate
7.139	PP	4.16561e5	1.34558	2.07159e-1		Endrin Ketone
8.314	BB	3.84945e5	1.45461	2.06949e-1		DCBP

Totals without ISTD(s) : 4.45484

Results obtained with enhanced integrator!

Signal 2: ECD2 B,

RetTime [min]	Type		Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.155	PB	I	3.48536e5	1.00000	1.00000e-1		BNB-IS(B)
2.807	BB		5.59294e5	1.20554	1.93453e-1		TCmX
3.304	VB		7.45279e5	9.29004e-1	1.98650e-1		a-BHC
3.626	BV		6.69254e5	1.05336	2.02265e-1		g-BHC
3.699	VB		3.66304e5	1.92761	2.02588e-1		b-BHC
3.977	BV		6.46540e5	1.14299	2.12026e-1		d-BHC
4.077	VB		6.36303e5	1.10869	2.02407e-1		Heptachlor
4.413	BP		5.57630e5	1.25973	2.01547e-1		Aldrin
5.015	BB		5.19500e5	1.38965	2.07130e-1		Heptachlor Epoxide
5.216	BV		5.51065e5	1.32125	2.08901e-1		g-Chlordane
5.373	VV		5.39400e5	1.34280	2.07814e-1		a-Chlordane
5.448	VV		4.98760e5	1.45845	2.08706e-1		Endosulfan I
5.544	VV		5.12908e5	1.40446	2.06681e-1		4,4'-DDE
5.748	VB		5.08340e5	1.44055	2.10104e-1		Dieldrin
6.078	PV		4.58442e5	1.68466	2.21589e-1		Endrin
6.198	VV		3.73597e5	1.95639	2.09706e-1		4,4'-DDD
6.316	VP		4.43804e5	1.68403	2.14434e-1		Endosulfan II
6.551	BV		4.31211e5	1.72214	2.13065e-1		4,4'-DDT
6.705	VV		3.68266e5	2.01828	2.13253e-1		Endrin Aldehyde
7.042	VB		3.85878e5	1.93094	2.13782e-1		Endosulfan Sulphate
7.311	BB		2.19559e5	3.40099	2.14244e-1		Methoxychlor
7.621	BP		4.62876e5	1.59519	2.11850e-1		Endrin Ketone
9.040	BB		4.02559e5	1.81971	2.10176e-1		DCBP

Totals without ISTD(s) : 4.58437

Results obtained with enhanced integrator!
1 Warnings or Errors :

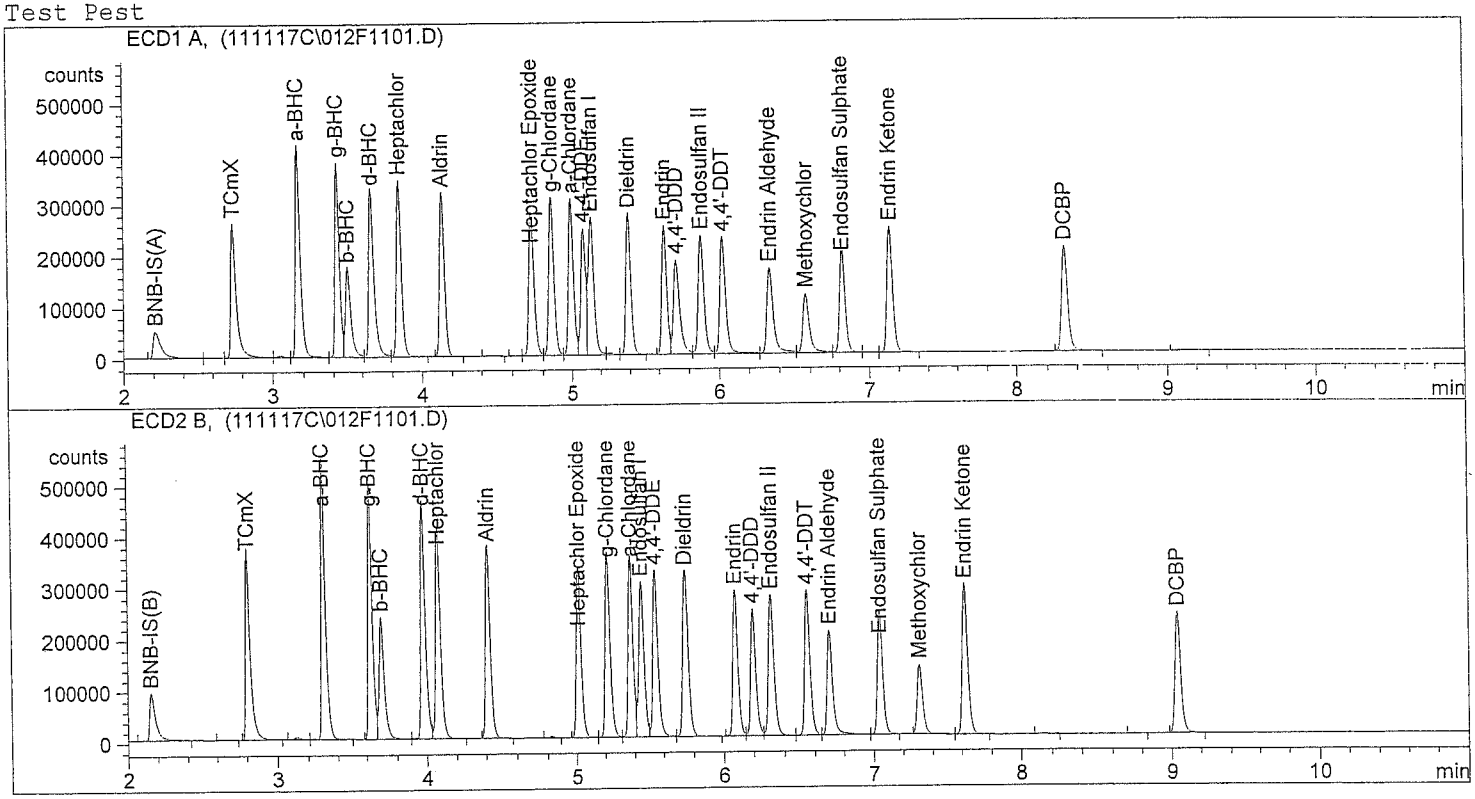
Warning : Calibration warnings (see calibration table listing)

==========

*** End of Report ***

```
==============================================================================
Injection Date  : 11/17/2011 7:52:19 PM          Seq. Line :  11
Sample Name     : PCal L-7 .400ppm                Location : Vial 12
Acq. Operator   : G.J.Brien                          Inj :   1
Acq. Instrument : Dual ECD 1                   Inj Volume : 2 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PSTRUN.M
Last changed    : 7/22/2010 11:35:51 AM by M.Miller
Analysis Method : C:\HPCHEM\1\METHODS\P1118ISA.M
Last changed    : 11/18/2011 11:02:31 AM by M.Miller
                  (modified after loading)
```

Test Pest




```
==============================================================================
                        Internal Standard Report
==============================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Friday, November 18, 2011 11:02:29 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount    Name
  #     [ng/ul]
----|-------------|-------------------------
  2   1.00000e-1    BNB-IS(B)
  1   1.00000e-1    BNB-IS(A)


Signal 1: ECD1 A,

RetTime  Type      Area      Amt/Area     Amount    Grp   Name
 [min]           counts*s      ratio     [ng/ul]
-------|------|---------|----------|----------|--|------------------
  2.214 PB    I 2.00444e5     1.00000 1.00000e-1    BNB-IS(A)
  2.738 VV      6.93493e5     1.15202 3.98573e-1    TCmX
  3.163 VV      9.17396e5  8.75134e-1 4.00533e-1    a-BHC
  3.425 VV      8.14512e5  9.82903e-1 3.99407e-1    g-BHC
  3.499 VV      4.63433e5     1.73602 4.01372e-1    b-BHC
  3.661 VV      8.18049e5  9.88726e-1 4.03517e-1    d-BHC
```

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
3.845	VB	8.04276e5	9.90611e-1	3.97480e-1		Heptachlor
4.131	BB	7.39832e5	1.08339	3.99876e-1		Aldrin
4.727	VV	6.73850e5	1.18468	3.98266e-1		Heptachlor Epoxide
4.856	VV	7.49440e5	1.07208	4.00841e-1		g-Chlordane
4.992	VV	7.39830e5	1.08483	4.00406e-1		a-Chlordane
5.078	VV	5.91186e5	1.37606	4.05855e-1		4,4'-DDE
5.133	VV	7.45595e5	1.07332	3.99243e-1		Endosulfan I
5.387	VB	6.82757e5	1.18205	4.02633e-1		Dieldrin
5.637	BV	6.16018e5	1.30314	4.00491e-1		Endrin
5.719	VV	5.31980e5	1.54236	4.09344e-1		4,4'-DDD
5.878	VV	6.13359e5	1.31461	4.02273e-1		Endosulfan II
6.021	VV	6.29295e5	1.29350	4.06097e-1		4,4'-DDT
6.337	VV	4.93382e5	1.60892	3.96028e-1		Endrin Aldehyde
6.569	VV	3.54722e5	2.29677	4.06457e-1		Methoxychlor
6.819	VV	5.49442e5	1.47388	4.04009e-1		Endosulfan Sulphate
7.139	VP	6.62378e5	1.21839	4.02624e-1		Endrin Ketone
8.312	BB	6.03773e5	1.32962	4.00506e-1		DCBP

Totals without ISTD(s) : 8.83583

Results obtained with enhanced integrator!

Signal 2: ECD2 B,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.156	BB I	2.65052e5	1.00000	1.00000e-1		BNB-IS(B)
2.806	BB	8.19108e5	1.27978	3.95499e-1		TCmX
3.304	VB	1.11021e6	9.48935e-1	3.97477e-1		a-BHC
3.625	BV	9.93094e5	1.05900	3.96785e-1		g-BHC
3.698	VV	5.56118e5	1.89969	3.98584e-1		b-BHC
3.977	VV	9.88310e5	1.07180	3.99647e-1		d-BHC
4.076	VB	9.34174e5	1.12118	3.95158e-1		Heptachlor
4.413	BP	8.38419e5	1.25745	3.97760e-1		Aldrin
5.015	BV	7.77464e5	1.35295	3.96856e-1		Heptachlor Epoxide
5.216	VV	8.46778e5	1.25016	3.99397e-1		g-Chlordane
5.373	VV	8.26008e5	1.27992	3.98875e-1		a-Chlordane
5.448	VV	7.65607e5	1.38160	3.99077e-1		Endosulfan I
5.544	VV	8.02496e5	1.32408	4.00891e-1		4,4'-DDE
5.748	VP	7.94225e5	1.33709	4.00656e-1		Dieldrin
6.077	BV	6.90749e5	1.52825	3.98277e-1		Endrin
6.197	VV	6.03147e5	1.77451	4.03804e-1		4,4'-DDD
6.316	VV	6.87118e5	1.54090	3.99462e-1		Endosulfan II
6.550	VV	6.91163e5	1.54427	4.02691e-1		4,4'-DDT
6.702	VV	5.53985e5	1.90272	3.97687e-1		Endrin Aldehyde
7.041	VB	6.10688e5	1.74142	4.01229e-1		Endosulfan Sulphate
7.310	BP	3.50712e5	3.03683	4.01828e-1		Methoxychlor
7.621	VB	7.41435e5	1.43509	4.01440e-1		Endrin Ketone
9.040	BB	6.39271e5	1.65848	4.00004e-1		DCBP

Totals without ISTD(s) : 8.78308

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

==========

*** End of Report ***

Calibration Table

Calib. Data Modified : Friday, November 18, 2011 11:27:38 AM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 1.000 %
Abs. Reference Window : 0.020 min
Rel. Non-ref. Window : 1.000 %
Abs. Non-ref. Window : 0.020 min
Do not use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [ng/ul]	Name
2	1.00000e-1	BNB-IS(B)
1	1.00000e-1	BNB-IS(A)

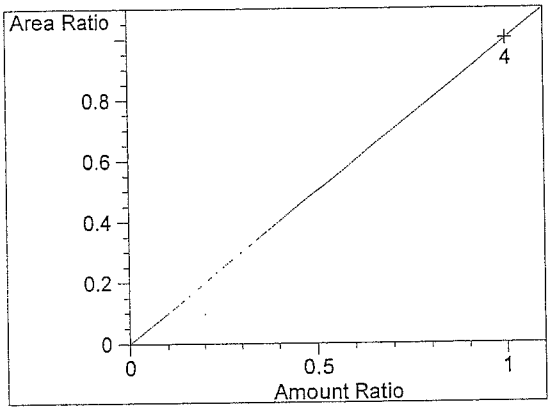
Signal 1: ECD1 A,
Signal 2: ECD2 B,

RetTime [min]	Sig	Lvl	Amount [ng/ul]	Area	Amt/Area	Ref	Grp	Name
2.157	2	4	1.00000e-1	3.41099e5	2.93170e-7	I2		BNB-IS(B)
2.215	1	4	1.00000e-1	2.54073e5	3.93588e-7	I1		BNB-IS(A)
2.748	1	4	2.00000e-2	4.58345e4	4.36352e-7	1		TCmX
2.814	2	4	2.00000e-2	6.53936e4	3.05840e-7	2		TCmX
5.396	1	4	5.00000e-1	1.20915e4	4.13514e-5	1		Tox Peak 1
5.724	2	4	5.00000e-1	1.58366e4	3.15724e-5	2		Tox Peak 1
5.873	1	4	5.00000e-1	2.90846e4	1.71912e-5	1		Tox Peak 2
6.322	1	4	5.00000e-1	5.70340e4	8.76670e-6	1		Tox Peak 3
6.414	2	4	5.00000e-1	6.38389e4	7.83221e-6	2		Tox Peak 2
6.620	1	4	5.00000e-1	4.61448e4	1.08355e-5	1		Tox Peak 4
6.709	2	4	5.00000e-1	6.57643e4	7.60291e-6	2		Tox Peak 3
7.125	1	4	5.00000e-1	3.67839e4	1.35929e-5	1		Tox Peak 5
7.286	2	4	5.00000e-1	6.02614e4	8.29718e-6	2		Tox Peak 4
7.753	2	4	5.00000e-1	2.85169e4	1.75335e-5	2		Tox Peak 5
8.316	1	4	2.00000e-2	5.74943e4	3.47860e-7	1		DCBP
9.042	2	4	2.00000e-2	5.93282e4	3.37108e-7	2		DCBP

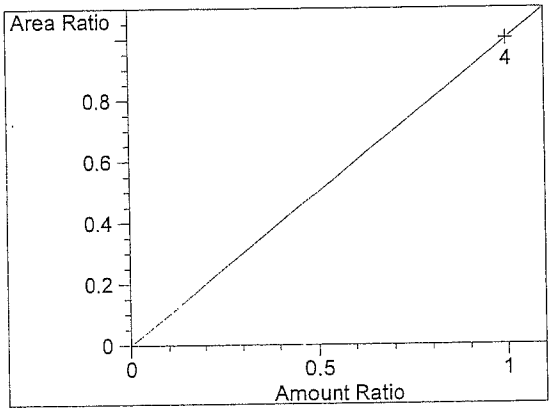
Peak Sum Table

No Entries in table

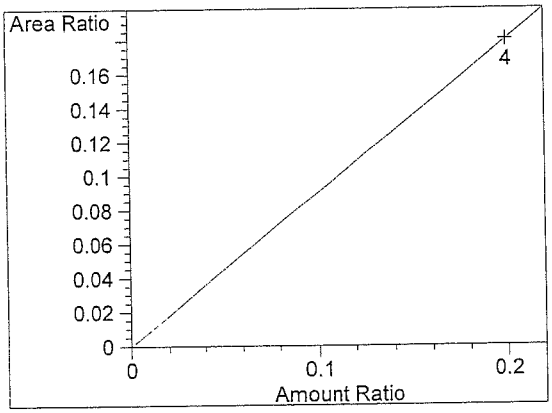
Calibration Curves



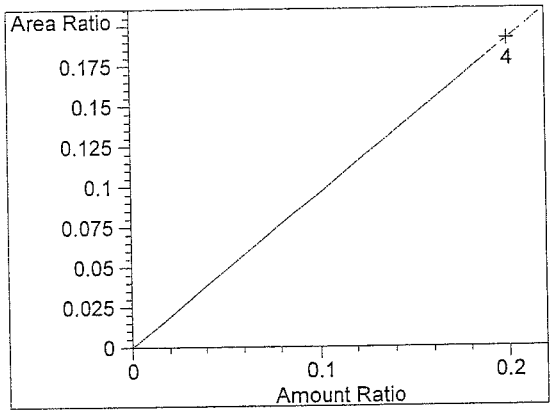
BNB-IS(B) at exp. RT: 2.157
ECD2 B,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio



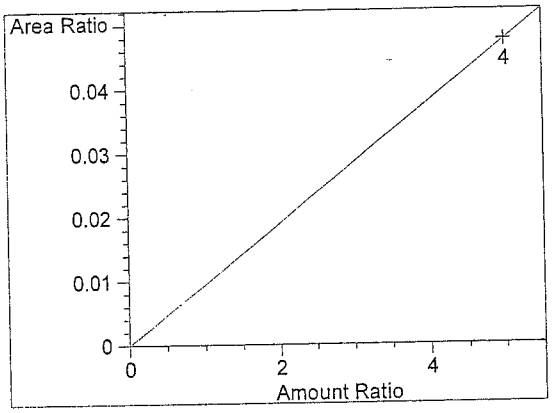
BNB-IS(A) at exp. RT: 2.215
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio



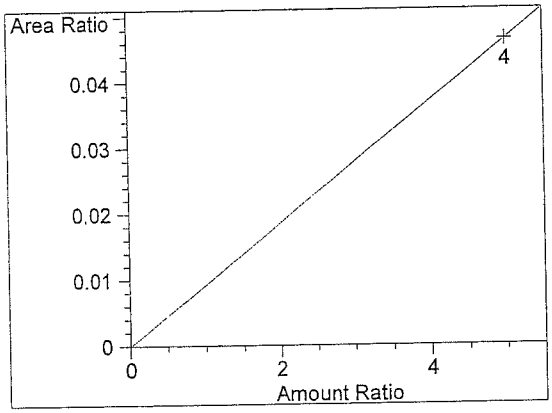
TCmX at exp. RT: 2.748
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.01996e-1
b: -5.57983e-18
x: Amount Ratio
y: Area Ratio



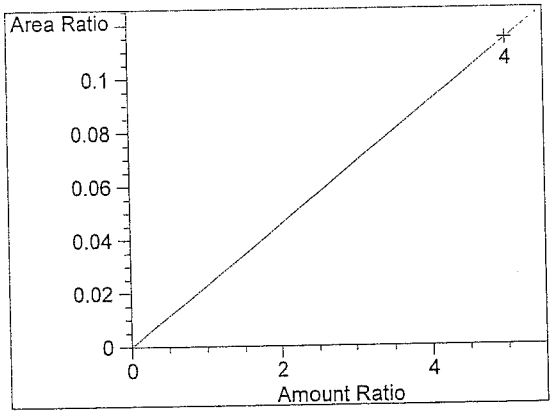
TCmX at exp. RT: 2.814
ECD2 B,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.58573e-1
b: 5.82335e-19
x: Amount Ratio
y: Area Ratio



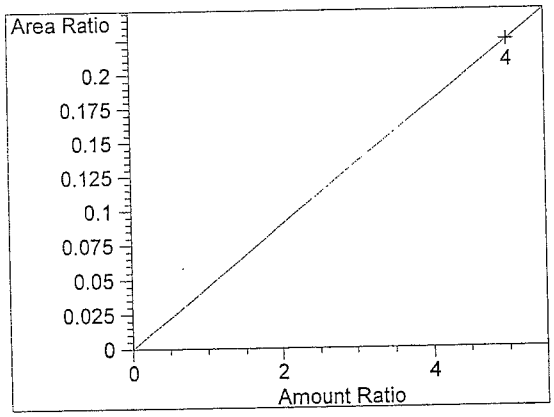
Tox Peak 1 at exp. RT: 5.396
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.51814e-3
b: -1.38778e-18
x: Amount Ratio
y: Area Ratio



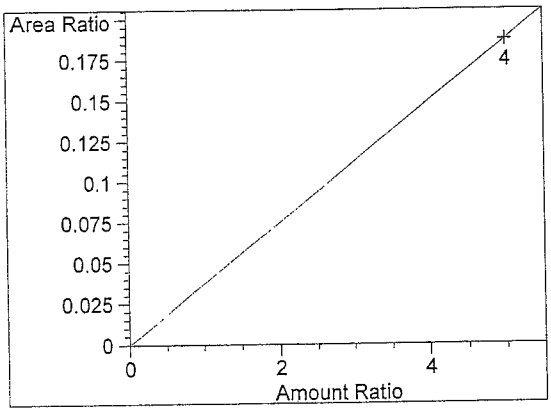
Tox Peak 1 at exp. RT: 5.724
ECD2 B,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.28566e-3
b: 1.38778e-18
x: Amount Ratio
y: Area Ratio



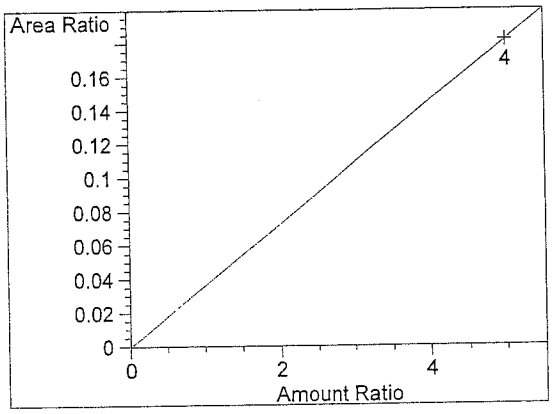
Tox Peak 2 at exp. RT: 5.873
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 2.28947e-2
b: 5.55112e-18
x: Amount Ratio
y: Area Ratio



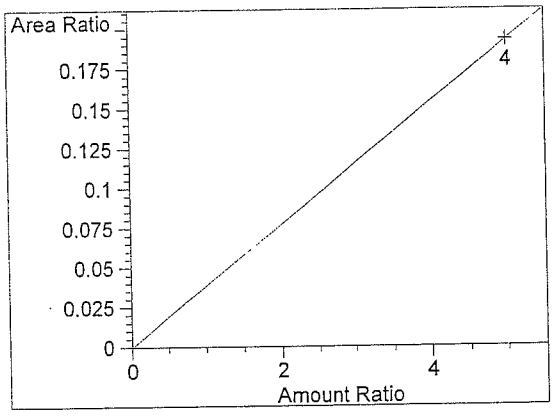
Tox Peak 3 at exp. RT: 6.322
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 4.48958e-2
b: -5.55112e-18
x: Amount Ratio
y: Area Ratio



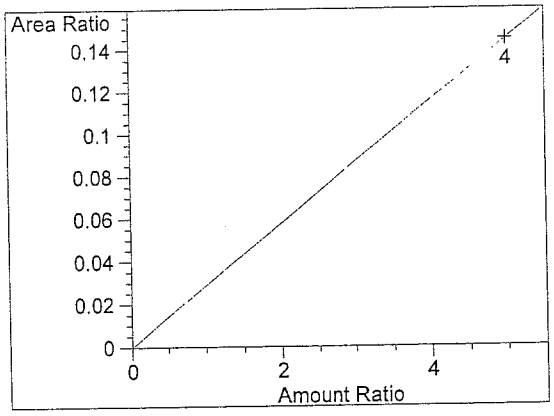
Tox Peak 2 at exp. RT: 6.414
ECD2 B,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 3.74313e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



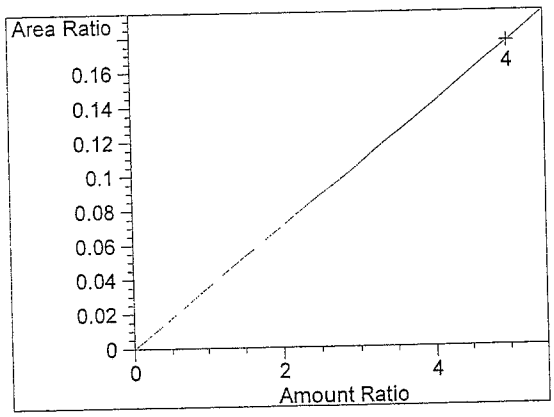
Tox Peak 4 at exp. RT: 6.620
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 3.63241e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



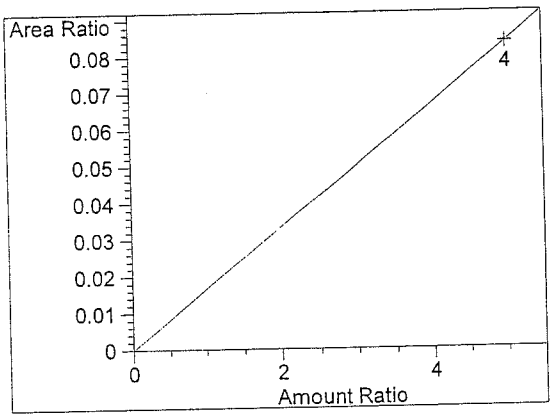
Tox Peak 3 at exp. RT: 6.709
ECD2 B,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 3.85603e-2
b: -1.11022e-17
x: Amount Ratio
y: Area Ratio



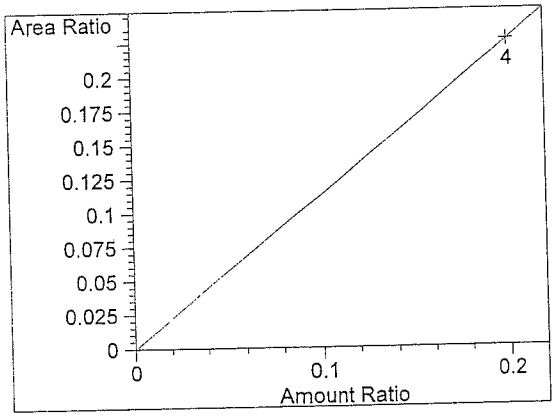
Tox Peak 5 at exp. RT: 7.125
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 2.89554e-2
b: -1.11022e-17
x: Amount Ratio
y: Area Ratio



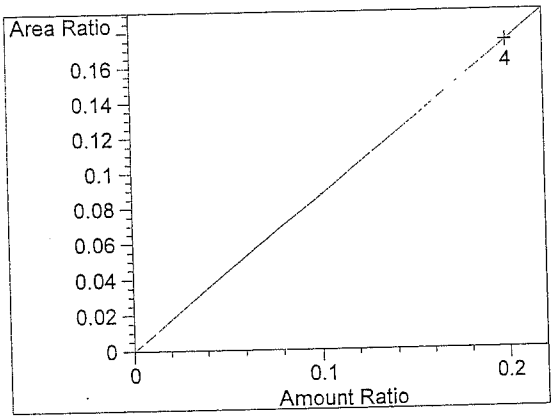
Tox Peak 4 at exp. RT: 7.286
ECD2 B,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 3.53337e-2
b: 1.11022e-17
x: Amount Ratio
y: Area Ratio



Tox Peak 5 at exp. RT: 7.753
ECD2 B,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.67206e-2
b: -2.77556e-18
x: Amount Ratio
y: Area Ratio



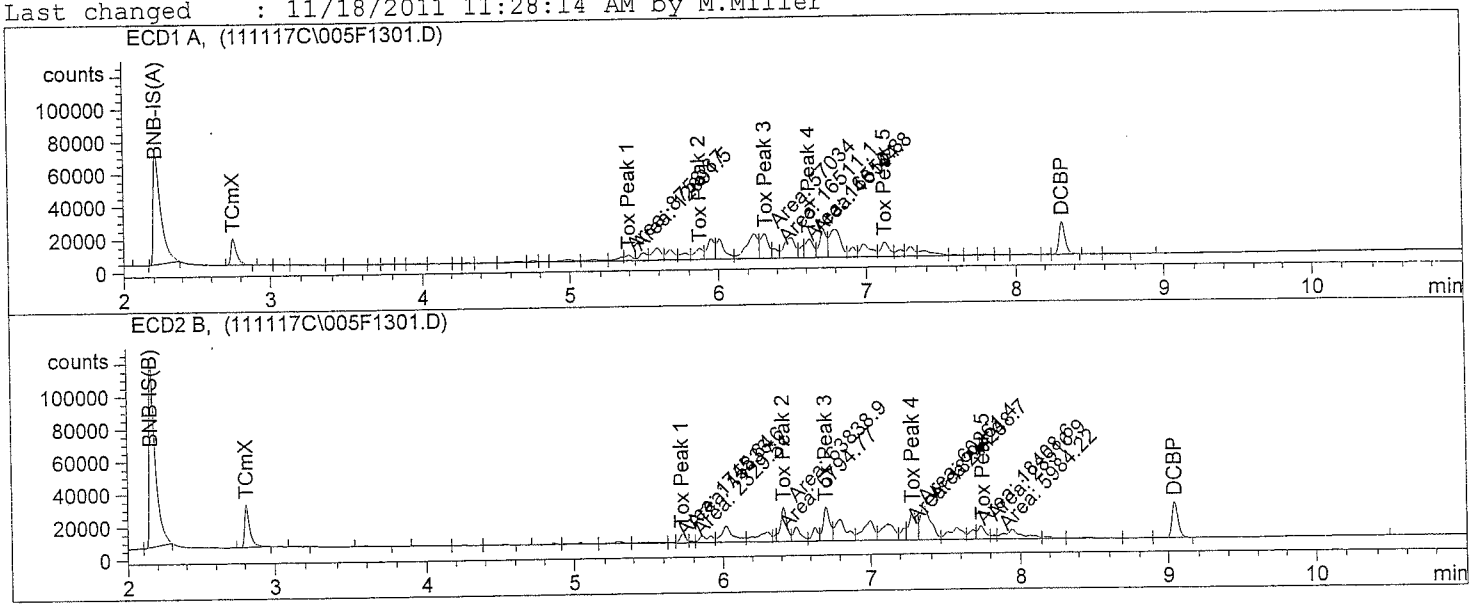
DCBP at exp. RT: 8.316
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.13145
b: 1.20490e-17
x: Amount Ratio
y: Area Ratio



DCBP at exp. RT: 9.042
ECD2 B,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.69664e-1
b: 8.75620e-18
x: Amount Ratio
y: Area Ratio

==========

```
Injection Date  : 11/17/2011 8:24:34 PM          Seq. Line :  13
Sample Name     : T Cal (sp) .5ppm               Location : Vial 5
Acq. Operator   : G.J.Brien                          Inj :   1
Acq. Instrument : Dual ECD 1                  Inj Volume : 2 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PSTRUN.M
Last changed    : 7/22/2010 11:35:51 AM by M.Miller
Analysis Method : C:\HPCHEM\1\METHODS\T1118ISA.M
Last changed    : 11/18/2011 11:28:14 AM by M.Miller
```



Internal Standard Report

```
Sorted By             :      Signal
Calib. Data Modified  :      Friday, November 18, 2011 11:27:38 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
```

ISTD #	ISTD Amount [ng/ul]	Name
2	1.00000e-1	BNB-IS(B)
1	1.00000e-1	BNB-IS(A)

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.215	PB	I 2.54073e5	1.00000	1.00000e-1		BNB-IS(A)
2.748	PB	4.58345e4	1.10865	2.00000e-2		TCmX
5.396	FM	1.20915e4	105.06254	5.00000e-1		Tox Peak 1
5.873	VV	2.90846e4	43.67823	5.00000e-1		Tox Peak 2
6.322	MF	5.70340e4	22.27380	5.00000e-1		Tox Peak 3
6.620	FM	4.61448e4	27.52996	5.00000e-1		Tox Peak 4
7.125	VV	3.67839e4	34.53582	5.00000e-1		Tox Peak 5
8.316	VB	5.74943e4	8.83818e-1	2.00000e-2		DCBP

Totals without ISTD(s) : 2.54000

Results obtained with enhanced integrator!

Signal 2: ECD2 B,

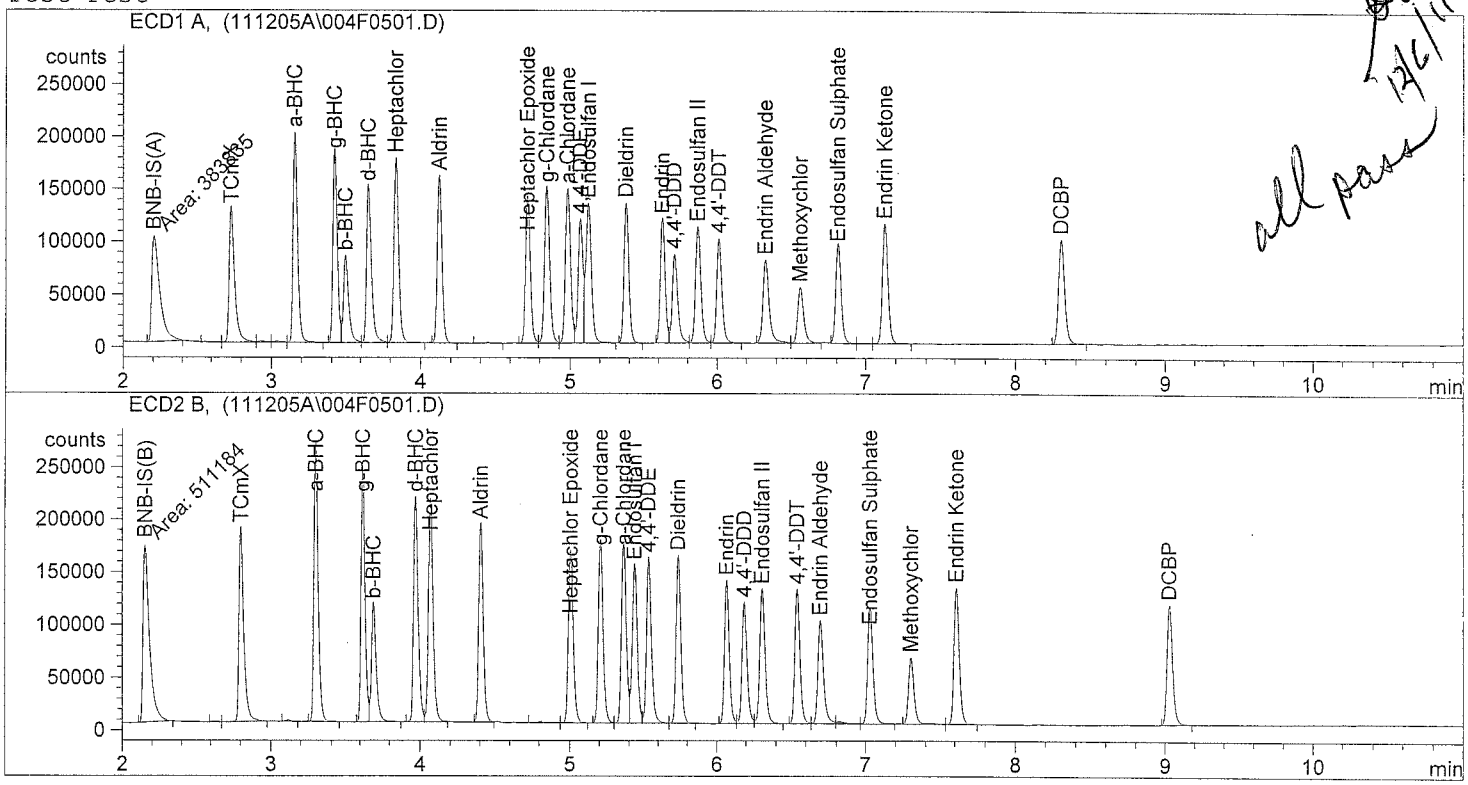
RetTime [min]	Type		Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.157	VB	I	3.41099e5	1.00000	1.00000e-1		BNB-IS(B)
2.814	PB		6.53936e4	1.04322	2.00000e-2		TCmX
5.724	MF		1.58366e4	107.69297	5.00000e-1		Tox Peak 1
6.414	FM		6.38389e4	26.71559	5.00000e-1		Tox Peak 2
6.709	VV		6.57643e4	25.93343	5.00000e-1		Tox Peak 3
7.286	FM		6.02614e4	28.30158	5.00000e-1		Tox Peak 4
7.753	MF		2.85169e4	59.80638	5.00000e-1		Tox Peak 5
9.042	VB		5.93282e4	1.14987	2.00000e-2		DCBP

Totals without ISTD(s) : 2.54000

Results obtained with enhanced integrator!

*** End of Report ***

```
Injection Date  : 12/5/2011 3:22:55 PM          Seq. Line :   5
Sample Name     : Pest CCal .1ppm                Location : Vial 4
Acq. Operator   : G.J.Brien                         Inj :   1
Acq. Instrument : Dual ECD 1                 Inj Volume : 2 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PSTRUN.M
Last changed    : 7/22/2010 11:35:51 AM by M.Miller
Analysis Method : C:\HPCHEM\1\METHODS\P1118ISA.M
Last changed    : 11/18/2011 11:07:25 AM by M.Miller
Test Pest
```



Internal Standard Report

```
Sorted By             :      Signal
Calib. Data Modified  :      Friday, November 18, 2011 11:02:29 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
```

ISTD #	ISTD Amount [ng/ul]	Name
2	1.00000e-1	BNB-IS(B)
1	1.00000e-1	BNB-IS(A)

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.206	MM I	3.83835e5	1.00000	1.00000e-1		BNB-IS(A)
2.734	VV	3.29672e5	1.13971	9.78889e-2		TCmX
3.157	VB	4.22066e5	9.07418e-1	9.97798e-2		a-BHC
3.419	BV	3.78443e5	1.00524	9.91115e-2		g-BHC
3.494	VV	2.09454e5	1.75666	9.58585e-2		b-BHC
3.655	VV	3.52713e5	1.04826	9.63269e-2		d-BHC
3.838	VB	3.89587e5	9.65438e-1	9.79906e-2		Heptachlor

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
4.123	BB	3.46996e5	1.09499	9.89900e-2		Aldrin
4.717	VV	3.23269e5	1.16146	9.78189e-2		Heptachlor Epoxide
4.846	VV	3.48655e5	1.06931	9.71308e-2		g-Chlordane
4.983	VV	3.43895e5	1.07635	9.64354e-2		a-Chlordane
5.068	VV	2.71602e5	1.45893	1.03234e-1		4,4'-DDE
5.123	VB	3.51560e5	1.05780	9.68854e-2		Endosulfan I
5.377	BB	3.08245e5	1.20129	9.64713e-2		Dieldrin
5.626	BV	2.78720e5	1.31842	9.57365e-2		Endrin
5.710	VV	2.24631e5	1.65788	9.70240e-2		4,4'-DDD
5.868	VV	2.76383e5	1.31192	9.44659e-2		Endosulfan II
6.011	VB	2.52963e5	1.35450	8.92669e-2		4,4'-DDT
6.326	BV	2.29629e5	1.59716	9.55503e-2		Endrin Aldehyde
6.559	VB	1.51408e5	2.31511	9.13222e-2		Methoxychlor
6.809	BV	2.46197e5	1.47977	9.49146e-2		Endosulfan Sulphate
7.127	VB	2.93359e5	1.21628	9.29583e-2		Endrin Ketone
8.302	BB	2.84258e5	1.24452	9.21656e-2		DCBP

Totals without ISTD(s) : 2.11733

Results obtained with enhanced integrator!

Signal 2: ECD2 B,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.151	MM I	5.11184e5	1.00000	1.00000e-1		BNB-IS(B)
2.803	VB	4.00734e5	1.24706	9.77614e-2		TCmX
3.299	BB	5.15140e5	9.65324e-1	9.72796e-2		a-BHC
3.620	BV	4.68915e5	1.06466	9.76630e-2		g-BHC
3.694	VP	2.53914e5	1.89680	9.42174e-2		b-BHC
3.971	BV	4.42750e5	1.10496	9.57038e-2		d-BHC
4.069	VB	4.58605e5	1.09095	9.78738e-2		Heptachlor
4.406	BV	4.04524e5	1.26063	9.97600e-2		Aldrin
5.006	VB	3.75003e5	1.32522	9.72180e-2		Heptachlor Epoxide
5.208	BV	3.99507e5	1.24698	9.74556e-2		g-Chlordane
5.364	VV	3.93546e5	1.26823	9.76375e-2		a-Chlordane
5.439	VV	3.65818e5	1.37376	9.83102e-2		Endosulfan I
5.535	VV	3.70641e5	1.33876	9.70688e-2		4,4'-DDE
5.739	VB	3.68482e5	1.34961	9.72855e-2		Dieldrin
6.069	BV	3.16738e5	1.53570	9.51549e-2		Endrin
6.189	VV	2.72341e5	1.84515	9.83033e-2		4,4'-DDD
6.307	VB	3.13236e5	1.52628	9.35254e-2		Endosulfan II
6.542	BV	3.04651e5	1.58691	9.45753e-2		4,4'-DDT
6.694	VV	2.55279e5	1.88533	9.41509e-2		Endrin Aldehyde
7.032	VB	2.84353e5	1.73761	9.66571e-2		Endosulfan Sulphate
7.302	BV	1.63631e5	3.00602	9.62236e-2		Methoxychlor
7.611	VB	3.17023e5	1.42986	8.86764e-2		Endrin Ketone
9.030	BB	3.03421e5	1.56841	9.30955e-2		DCBP

Totals without ISTD(s) : 2.11560

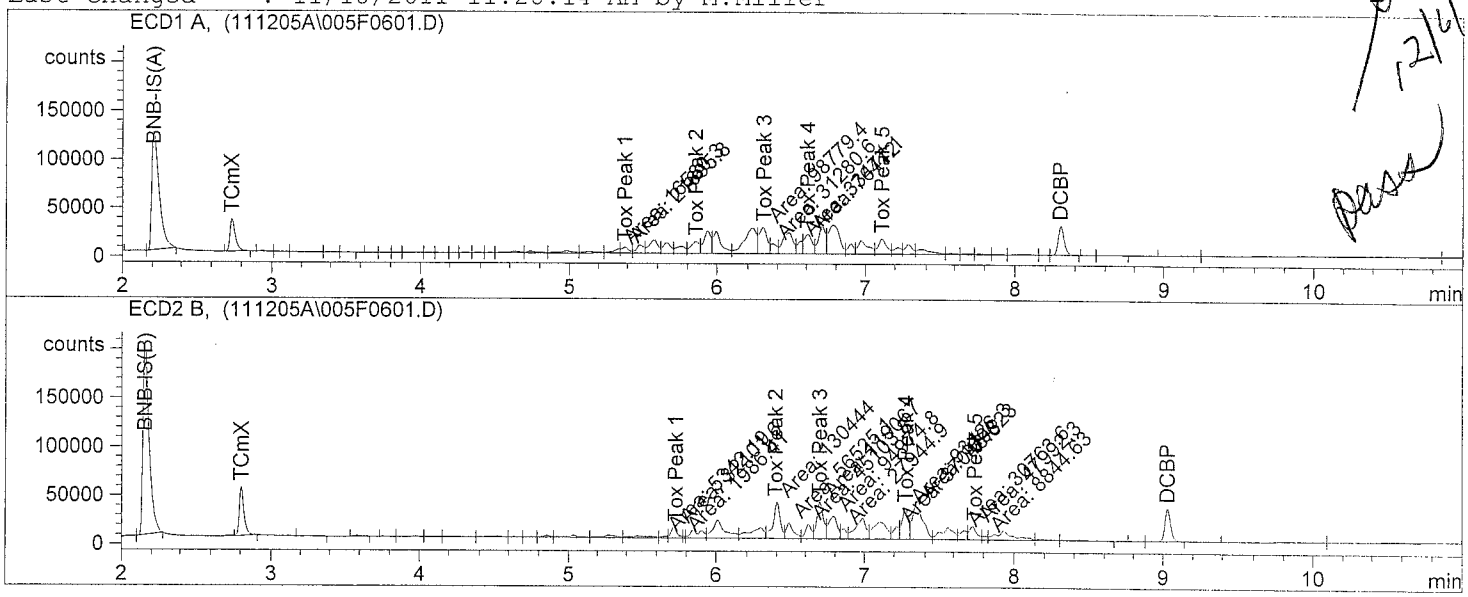
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

==========

*** End of Report ***

```
Injection Date  : 12/5/2011 3:39:01 PM          Seq. Line :   6
Sample Name     : Tox CCal .5ppm                Location : Vial 5
Acq. Operator   : G.J.Brien                        Inj :   1
Acq. Instrument : Dual ECD 1                  Inj Volume : 2 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PSTRUN.M
Last changed    : 7/22/2010 11:35:51 AM by M.Miller
Analysis Method : C:\HPCHEM\1\METHODS\T1118ISA.M
Last changed    : 11/18/2011 11:28:14 AM by M.Miller
```



12/6/11

Internal Standard Report

```
Sorted By             :      Signal
Calib. Data Modified  :      Friday, November 18, 2011 11:27:38 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
```

ISTD #	ISTD Amount [ng/ul]	Name
2	1.00000e-1	BNB-IS(B)
1	1.00000e-1	BNB-IS(A)

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.210	VB I	4.48012e5	1.00000	1.00000e-1		BNB-IS(A)
2.738	PB	8.27831e4	1.10865	2.04855e-2		TCmX
5.384	FM	2.16958e4	105.06254	5.08784e-1		Tox Peak 1
5.860	VV	5.24317e4	43.67823	5.11174e-1		Tox Peak 2
6.308	MF	9.87794e4	22.27380	4.91101e-1		Tox Peak 3
6.608	FM	7.64120e4	27.52996	4.69545e-1		Tox Peak 4
7.112	VV	6.21855e4	34.53582	4.79368e-1		Tox Peak 5
8.303	VB	8.52280e4	8.83818e-1	1.68134e-2		DCBP

.4920

98.4%

Totals without ISTD(s) : 2.49727

Results obtained with enhanced integrator!

Signal 2: ECD2 B,

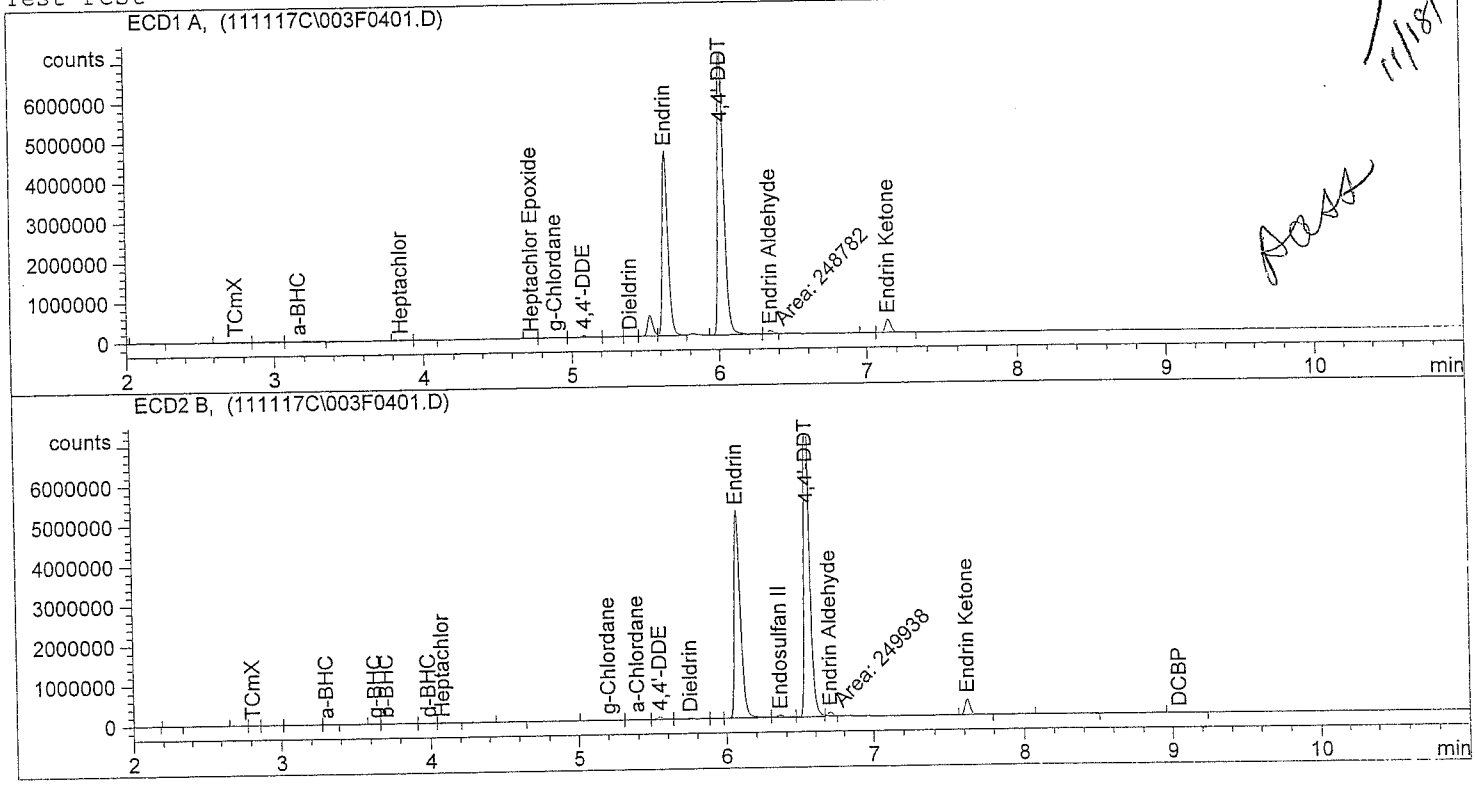
RetTime [min]	Type		Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.154	VB	I	5.76392e5	1.00000	1.00000e-1		BNB-IS(B)
2.805	PB		1.08084e5	1.04322	1.95623e-2		TCmX
5.727	MF		3.21016e4	107.69297	5.99785e-1		Tox Peak 1
6.392	MF		1.30444e5	26.71559	6.04602e-1		Tox Peak 2
6.696	FM		1.19067e5	25.93343	5.35713e-1		Tox Peak 3
7.274	FM		9.31263e4	28.30158	4.57262e-1		Tox Peak 4
7.742	MF		4.79923e4	59.80638	4.97968e-1		Tox Peak 5
9.029	VB		8.93693e4	1.14987	1.78287e-2		DCBP

Totals without ISTD(s) : 2.73272

Results obtained with enhanced integrator!

*** End of Report ***

```
Injection Date  : 11/17/2011 5:59:18 PM        Seq. Line :   4
Sample Name     : Pest Degrad                  Location : Vial 3
Acq. Operator   : G.J.Brien                       Inj :   1
Acq. Instrument : Dual ECD 1                Inj Volume : 2 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PSTRUN.M
Last changed    : 7/22/2010 11:35:51 AM by M.Miller
Analysis Method : C:\HPCHEM\1\METHODS\P1115ISC.M
Last changed    : 11/17/2011 4:13:25 PM by M.Miller
Test Pest
```



Internal Standard Report

```
Sorted By             :      Signal
Calib. Data Modified  :      11/17/2011 4:13:23 PM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
```

ISTD #	ISTD Amount [ng/ul]	Name
2	1.00000e-1	BNB-IS(B)
1	1.00000e-1	BNB-IS(A)

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.210		-	-	-		BNB-IS(A)
2.746	PV	4140.12158	0.00000	1.40218e-3		TCmX
3.162	VB	7715.72559	0.00000	6.66916e-3		a-BHC
3.420		-	-	-		g-BHC
3.510		-	-	-		b-BHC
3.660		-	-	-		d-BHC
3.849	BV	3056.12744	0.00000	2.20338e-4		Heptachlor

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
4.140		-	-	-		Aldrin
4.728	BV	2916.68042	0.00000	1.66080e-4		Heptachlor Epoxide
4.883	VP	3.93332e4	0.00000	1.60053e-3		g-Chlordane
4.990		-	-	-		a-Chlordane
5.083	VV	1.20976e5	0.00000	6.26377e-3		4,4'-DDE
5.150		-	-	-		Endosulfan I
5.392	VV	3.58148e4	0.00000	3.49417e-3		Dieldrin
5.638	VV	1.26358e7	0.00000	2.19465e-3		Endrin
5.730		-	-	-		4,4'-DDD
5.880		-	-	-		Endosulfan II
6.022	VV	2.10116e7	0.00000	5.47853e-3		4,4'-DDT
6.340	MM	2.48782e5	0.00000	1.50232e-3		Endrin Aldehyde
6.570		-	-	-		Methoxychlor
6.820		-	-	-		Endosulfan Sulphate
7.140	VB	9.04084e5	0.00000	3.11870e-3		Endrin Ketone
8.320		-	-	-		DCBP

Totals without ISTD(s) : 3.21104e-2

Results obtained with enhanced integrator!

Signal 2: ECD2 B,

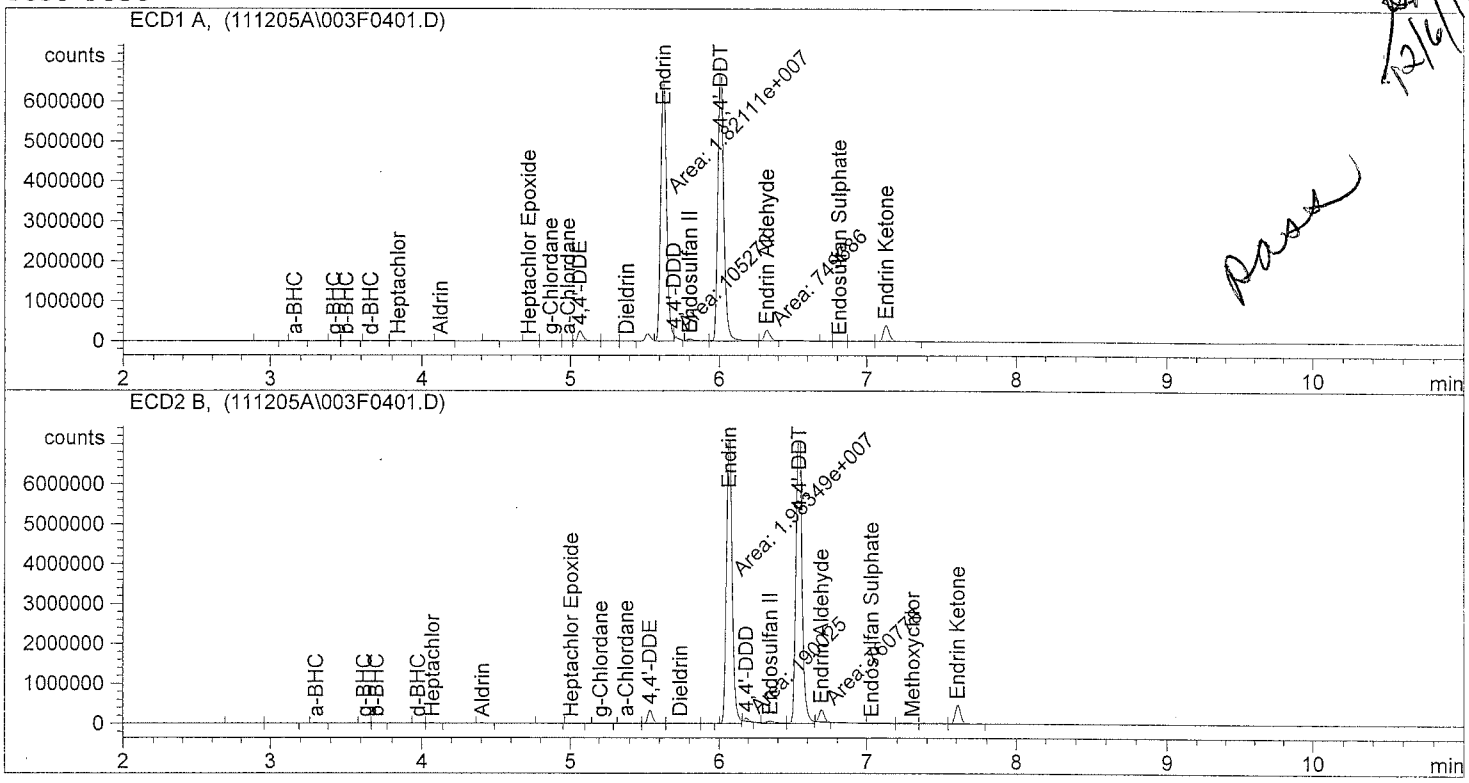
RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.160		-	-	-		BNB-IS(B)
2.814	VV	8201.29883	0.00000	0.00000		TCmX
3.303	BB	2493.57983	0.00000	3.86598e-3		a-BHC
3.631	PV	3025.26685	0.00000	2.27291e-3		g-BHC
3.710	VV	1.12825e4	0.00000	1.54385e-3		b-BHC
3.985	VV	5964.15967	0.00000	4.20276e-3		d-BHC
4.078	VB	3037.10767	0.00000	0.00000		Heptachlor
4.420		-	-	-		Aldrin
5.020		-	-	-		Heptachlor Epoxide
5.201	BP	1.22581e4	0.00000	0.00000		g-Chlordane
5.392	VV	5.29478e4	0.00000	0.00000		a-Chlordane
5.450		-	-	-		Endosulfan I
5.548	VV	1.62845e5	0.00000	1.55778e-3		4,4'-DDE
5.751	VV	7.28552e4	0.00000	1.42581e-3		Dieldrin
6.079	VV	1.47498e7	0.00000	0.00000		Endrin
6.200		-	-	-		4,4'-DDD
6.360	VV	2.59621e5	0.00000	0.00000		Endosulfan II
6.554	VV	2.18533e7	0.00000	3.60448e-3		4,4'-DDT
6.705	MM	2.49938e5	0.00000	2.02512e-4		Endrin Aldehyde
7.050		-	-	-		Endosulfan Sulphate
7.310		-	-	-		Methoxychlor
7.622	VB	1.00395e6	0.00000	1.26853e-3		Endrin Ketone
9.044	BB	5119.41064	0.00000	0.00000		DCBP

Totals without ISTD(s) : 1.99446e-2

Results obtained with enhanced integrator!
10 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : ISTD compound(s) not found
Warning : Elution order of calibrated compounds may have changed
Warning : Negative results set to zero (cal. curve intercept), (TCmX)
Warning : Negative results set to zero (cal. curve intercept), (Heptachlor)
Warning : Negative results set to zero (cal. curve intercept), (g-Chlordane)
Warning : Negative results set to zero (cal. curve intercept), (a-Chlordane)
Warning : Negative results set to zero (cal. curve intercept), (Endrin)
Warning : Negative results set to zero (cal. curve intercept), (Endosulfan II)
Warning : Negative results set to zero (cal. curve intercept), (DCBP)

```
==============================================================================
Injection Date  : 12/5/2011 3:06:49 PM          Seq. Line :   4
Sample Name     : Pest Degrad                    Location : Vial 3
Acq. Operator   : G.J.Brien                         Inj :   1
Acq. Instrument : Dual ECD 1                 Inj Volume : 2 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PSTRUN.M
Last changed    : 7/22/2010 11:35:51 AM by M.Miller
Analysis Method : C:\HPCHEM\1\METHODS\P1118ISA.M
Last changed    : 11/18/2011 11:07:25 AM by M.Miller
Test Pest
```




```
==============================================================================
                        Internal Standard Report
==============================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Friday, November 18, 2011 11:02:29 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount    Name
  #     [ng/ul]
----|-------------|-------------------------
  2   1.00000e-1   BNB-IS(B)
  1   1.00000e-1   BNB-IS(A)


Signal 1: ECD1 A,

RetTime  Type     Area      Amt/Area    Amount    Grp   Name
 [min]          counts*s     ratio      [ng/ul]
-------|------|----------|----------|----------|--|------------------
  2.214          -           -          -         BNB-IS(A)
  2.738          -           -          -         TCmX
  3.160 BB     1.10240e4     0.00000 4.67255e-3    a-BHC
  3.423 PV     1.09976e4     0.00000 2.90731e-3    g-BHC
  3.502 VB     7863.41602    0.00000 1.47427e-3    b-BHC
  3.662 BP     8908.46094    0.00000 7.06078e-3    d-BHC
  3.840 VB     1.98143e4     0.00000    0.00000    Heptachlor
```

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
4.125	BP	1.38936e4	0.00000	1.38903e-3		Aldrin
4.720	PV	1.67846e4	0.00000	0.00000		Heptachlor Epoxide
4.867	VV	5.18921e4	0.00000	0.00000		g-Chlordane
4.986	VV	1.64975e4	0.00000	0.00000		a-Chlordane
5.067	VV	6.77749e5	0.00000	7.71395e-3		4,4'-DDE
5.133		-	-	-		Endosulfan I
5.380	VV	3.10480e4	0.00000	2.02144e-3		Dieldrin
5.627	MM	1.82111e7	0.00000	1.45234e-3		Endrin
5.698	MM	1.05270e5	0.00000	8.67288e-3		4,4'-DDD
5.804	VV	2.54723e5	0.00000	0.00000		Endosulfan II
6.009	VV	1.94891e7	0.00000	5.08774e-3		4,4'-DDT
6.327	MM	7.49686e5	0.00000	0.00000		Endrin Aldehyde
6.569		-	-	-		Methoxychlor
6.812	VV	3.97416e4	0.00000	4.93350e-4		Endosulfan Sulphate
7.127	VB	1.10373e6	0.00000	0.00000		Endrin Ketone
8.312		-	-	-		DCBP

Totals without ISTD(s) : 4.29457e-2

Results obtained with enhanced integrator!

Signal 2: ECD2 B,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.156		-	-	-		BNB-IS(B)
2.806		-	-	-		TCmX
3.301	BB	1.74236e4	0.00000	2.17475e-3		a-BHC
3.622	PV	1.69739e4	0.00000	6.88070e-4		g-BHC
3.699	VB	9574.95410	0.00000	0.00000		b-BHC
3.976	BV	1.34771e4	0.00000	3.74122e-3		d-BHC
4.071	VB	2.41681e4	0.00000	0.00000		Heptachlor
4.406	BV	1.84849e4	0.00000	3.36136e-4		Aldrin
5.008	BP	1.93245e4	0.00000	0.00000		Heptachlor Epoxide
5.208	BP	2.13480e4	0.00000	0.00000		g-Chlordane
5.378	BV	7.99066e4	0.00000	0.00000		a-Chlordane
5.448		-	-	-		Endosulfan I
5.534	VV	7.98216e5	0.00000	1.39993e-3		4,4'-DDE
5.740	VV	5.49157e4	0.00000	1.18888e-3		Dieldrin
6.068	MM	1.98349e7	0.00000	6.05600e-4		Endrin
6.187	MM	1.90025e5	0.00000	4.91433e-3		4,4'-DDD
6.349	VV	3.37441e5	0.00000	0.00000		Endosulfan II
6.542	VV	2.08460e7	0.00000	3.29426e-3		4,4'-DDT
6.692	MM	7.60778e5	0.00000	0.00000		Endrin Aldehyde
7.031	VV	1.08706e5	0.00000	0.00000		Endosulfan Sulphate
7.303	VV	7.75137e4	0.00000	0.00000		Methoxychlor
7.609	VB	1.21754e6	0.00000	0.00000		Endrin Ketone
9.040		-	-	-		DCBP

Totals without ISTD(s) : 1.83432e-2

Results obtained with enhanced integrator!
20 Warnings or Errors (10 first messages follow) :

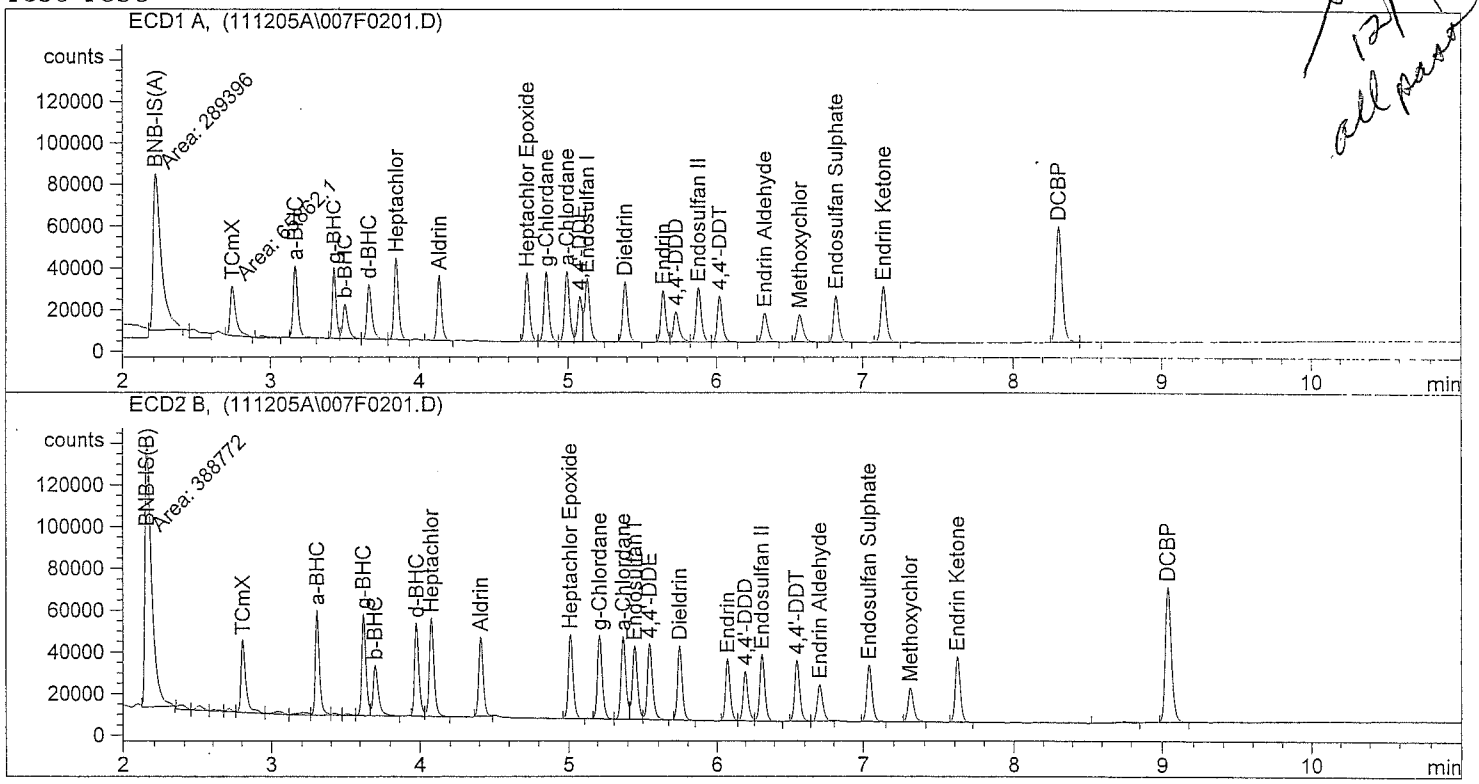
Warning : Calibration warnings (see calibration table listing)
Warning : ISTD compound(s) not found
Warning : Elution order of calibrated compounds may have changed
Warning : Negative results set to zero (cal. curve intercept), (b-BHC)
Warning : Negative results set to zero (cal. curve intercept), (Heptachlor)
Warning : Negative results set to zero (cal. curve intercept), (Heptachlor)
Warning : Negative results set to zero (cal. curve intercept), (Heptachlor Epoxide)
Warning : Negative results set to zero (cal. curve intercept), (g-Chlordane)
Warning : Negative results set to zero (cal. curve intercept), (a-Chlordane)
Warning : Negative results set to zero (cal. curve intercept), (Heptachlor Epoxide)

PESTICIDES

RAW QC DATA

```
==============================================================================
Injection Date  : 12/5/2011 4:38:36 PM          Seq. Line :   2
Sample Name     : LCS 12/5                       Location : Vial 7
Acq. Operator   : G.J.Brien                          Inj :   1
Acq. Instrument : Dual ECD 1                   Inj Volume : 2 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PSTRUN.M
Last changed    : 7/22/2010 11:35:51 AM by M.Miller
Analysis Method : C:\HPCHEM\1\METHODS\P1118ISA.M
Last changed    : 11/18/2011 11:07:25 AM by M.Miller
Test Pest
```

12/6/11 all pass




```
==============================================================================
                        Internal Standard Report
==============================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Friday, November 18, 2011 11:02:29 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount    Name
  #     [ng/ul]
----|-------------|-------------------------
  2   1.00000e-1   BNB-IS(B)
  1   1.00000e-1   BNB-IS(A)


Signal 1: ECD1 A,

RetTime  Type      Area      Amt/Area     Amount    Grp   Name
 [min]           counts*s     ratio      [ng/ul]
-------|------|---------|----------|----------|--|------------------
  2.212 MM    I 2.89396e5     1.00000 1.00000e-1    BNB-IS(A)
  2.741 MM      6.58621e4     1.09431 2.49049e-2    TCmX  49.8%
  3.164 BB      7.09404e4     1.05554 2.58747e-2    a-BHC
  3.427 PV      6.71484e4     1.10105 2.55475e-2    g-BHC
  3.505 VV      4.27698e4     1.82939 2.70366e-2    b-BHC
  3.665 VV      6.00501e4     1.31170 2.72180e-2    d-BHC
  3.845 VP      8.42877e4  8.81706e-1 2.56800e-2    Heptachlor
```

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
4.130	VP	6.63270e4	1.14023	2.61331e-2		Aldrin
4.726	BV	7.50910e4	1.09186	2.83310e-2		Heptachlor Epoxide
4.855	VV	7.76744e4	1.06060	2.84666e-2		g-Chlordane
4.992	VV	7.78139e4	1.05025	2.82396e-2		a-Chlordane
5.081	VV	4.83644e4	1.81149	3.02739e-2		4,4'-DDE
5.132	VB	7.82682e4	1.00868	2.72800e-2		Endosulfan I
5.386	BB	6.59952e4	1.26476	2.88421e-2		Dieldrin
5.635	BV	5.73898e4	1.37165	2.72011e-2		Endrin
5.723	VV	4.21046e4	2.10579	3.06375e-2		4,4'-DDD
5.878	VV	6.52753e4	1.30420	2.94171e-2		Endosulfan II
6.022	VB	5.70767e4	1.53526	3.02795e-2		4,4'-DDT
6.336	BB	3.84141e4	1.54269	2.04775e-2		Endrin Aldehyde
6.571	BB	3.67885e4	2.36473	3.00608e-2		Methoxychlor
6.818	BB	5.76939e4	1.49683	2.98407e-2		Endosulfan Sulphate
7.137	BB	6.88354e4	1.21020	2.87855e-2		Endrin Ketone
8.311	BB	1.60930e5	1.20708	6.71243e-2		DCBP ✓ 67.1%

Totals without ISTD(s) : 6.47652e-1

Results obtained with enhanced integrator!

Signal 2: ECD2 B,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.154	MM I	3.88772e5	1.00000	1.00000e-1		BNB-IS(B)
2.808	VB	8.24259e4	1.12882	2.39328e-2		TCmX
3.304	VV	9.86006e4	1.02949	2.61100e-2		a-BHC
3.625	VV	9.41708e4	1.08557	2.62953e-2		g-BHC
3.701	VB	5.87663e4	1.88814	2.85409e-2		b-BHC
3.978	BV	9.06152e4	1.22228	2.84890e-2		d-BHC
4.074	VP	1.03893e5	9.95370e-1	2.65996e-2		Heptachlor
4.411	BB	7.91935e4	1.27289	2.59289e-2		Aldrin
5.012	BB	9.05603e4	1.24575	2.90183e-2		Heptachlor Epoxide
5.214	BV	9.06994e4	1.23710	2.88611e-2		g-Chlordane
5.370	VV	9.03250e4	1.23230	2.86306e-2		a-Chlordane
5.445	VV	8.21309e4	1.34887	2.84959e-2		Endosulfan I
5.543	VB	8.66512e4	1.38227	3.08085e-2		4,4'-DDE
5.744	BB	8.07552e4	1.39035	2.88802e-2		Dieldrin
6.075	BV	6.84100e4	1.56035	2.74565e-2		Endrin
6.197	VV	5.72822e4	2.08645	3.07420e-2		4,4'-DDD
6.314	VP	7.69486e4	1.48616	2.94152e-2		Endosulfan II
6.549	BP	6.80838e4	1.71974	3.01170e-2		4,4'-DDT
6.701	VB	4.57295e4	1.81117	2.13040e-2		Endrin Aldehyde
7.039	BB	6.71770e4	1.72647	2.98322e-2		Endosulfan Sulphate
7.309	BB	4.14241e4	2.92457	3.11616e-2		Methoxychlor
7.619	BB	7.48895e4	1.41496	2.72565e-2		Endrin Ketone
9.036	BB	1.73952e5	1.52939	6.84312e-2		DCBP

Totals without ISTD(s) : 6.56308e-1

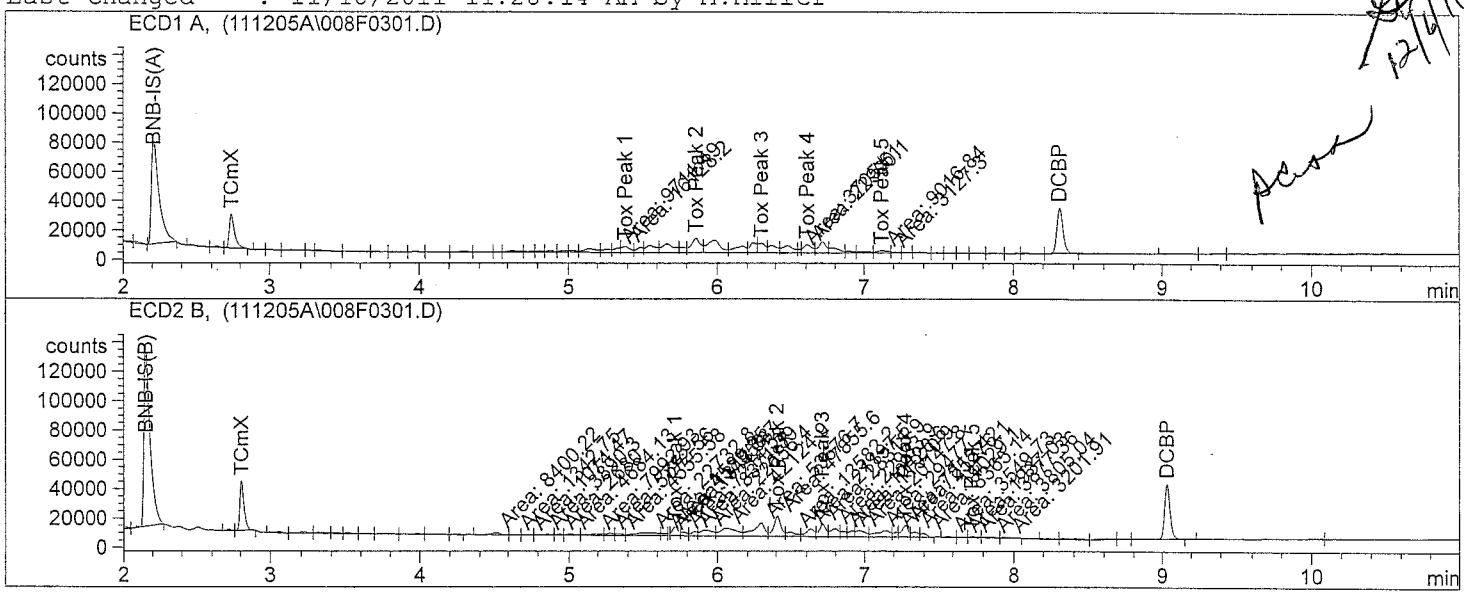
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

==========

*** End of Report ***

```
==========================================================================
Injection Date  : 12/5/2011 4:54:35 PM          Seq. Line :   3
Sample Name     : LCS2 12/5                      Location : Vial 8
Acq. Operator   : G.J.Brien                         Inj :   1
Acq. Instrument : Dual ECD 1                   Inj Volume : 2 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PSTRUN.M
Last changed    : 7/22/2010 11:35:51 AM by M.Miller
Analysis Method : C:\HPCHEM\1\METHODS\T1118ISA.M
Last changed    : 11/18/2011 11:28:14 AM by M.Miller
```



==
Internal Standard Report
==

```
Sorted By             :      Signal
Calib. Data Modified  :      Friday, November 18, 2011 11:27:38 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount    Name
  #     [ng/ul]
----|-------------|-------------------------
  2   1.00000e-1    BNB-IS(B)
  1   1.00000e-1    BNB-IS(A)
```

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.212	PB I	2.66284e5	1.00000	1.00000e-1		BNB-IS(A)
2.739	VB	6.01495e4	1.10865	2.50427e-2		TCmX ✓ 50.1%
5.385	FM	1.61282e4	105.06254	6.36340e-1		Tox Peak 1
5.864	VV	4.26265e4	43.67823	6.99196e-1		Tox Peak 2
6.302	VV	2.36720e4	22.27380	1.98008e-1		Tox Peak 3
6.606	FM	2.29901e4	27.52996	2.37684e-1		Tox Peak 4
7.119	MF	9016.83984	34.53582	1.16944e-1		Tox Peak 5
8.306	VB	8.83383e4	8.83818e-1	2.93202e-2		DCBP ✓ 58.6%

Totals without ISTD(s) : 1.94254

Results obtained with enhanced integrator!

Signal 2: ECD2 B,

RetTime [min]	Type		Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.154	VB	I	3.61207e5	1.00000	1.00000e-1		BNB-IS(B)
2.807	VB		7.17837e4	1.04322	2.07322e-2		TCmX
5.717	FM		1.79507e4	107.69297	5.35196e-1		Tox Peak 1
6.406	VV		4.78556e4	26.71559	3.53950e-1		Tox Peak 2
6.704	VV		2.83159e4	25.93343	2.03299e-1		Tox Peak 3
7.271	VV		2.52761e4	28.30158	1.98045e-1		Tox Peak 4
7.727	FM		3877.35645	59.80638	6.41989e-2		Tox Peak 5
9.033	VB		1.01611e5	1.14987	3.23471e-2		DCBP

Totals without ISTD(s) : 1.40777

Results obtained with enhanced integrator!

*** End of Report ***

PARADIGM
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Pesticide Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc.

Client Job Site:	690 St. Paul St.	**Lab Project Number:**	11-5230A
		Lab Sample Number:	Soil PB 12/05
Client Job Number:	209280		
Field Location:	N/A	**Date Sampled:**	N/A
Field ID Number:	N/A	**Date Received:**	N/A
Sample Type:	Soil	**Date Analyzed:**	12/05/2011

Pesticide Identification	Results in ug / Kg
Aldrin	< 2.86
alpha-BHC	< 2.86
beta-BHC	< 2.86
delta-BHC	< 2.86
gamma-BHC	< 2.86
gamma-Chlordane	< 2.86
alpha-Chlordane	< 2.86
4,4'-DDD	< 2.86
4,4'-DDE	< 2.86
4,4'-DDT	< 2.86
Dieldrin	< 2.86
Endosulfan I	< 2.86
Endosulfan II	< 2.86
Endosulfan Sulfate	< 2.86
Endrin	< 2.86
Endrin Aldehyde	< 2.86
Endrin Ketone	< 2.86
Heptachlor	< 2.86
Heptachlor Epoxide	< 2.86
Methoxychlor	< 2.86
Toxaphene	< 14.3

ELAP Number 10958

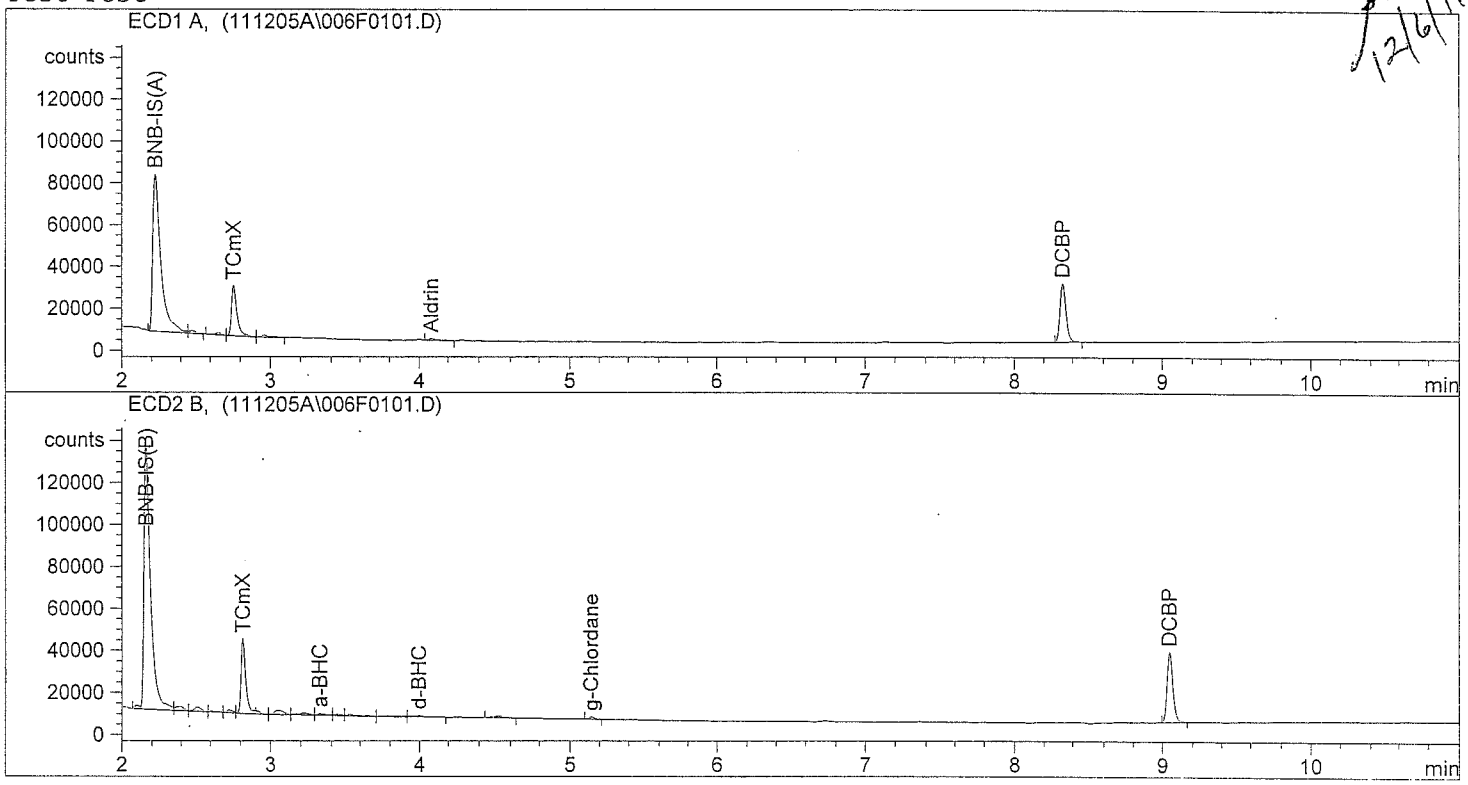
Analytical Method: EPA 8081B
Prep Method: EPA 3550C

Comments: ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

```
Injection Date  : 12/5/2011 4:22:36 PM          Seq. Line :   1
Sample Name     : PB 12/5                       Location : Vial 6
Acq. Operator   : G.J.Brien                        Inj :   1
Acq. Instrument : Dual ECD 1                   Inj Volume : 2 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PSTRUN.M
Last changed    : 7/22/2010 11:35:51 AM by M.Miller
Analysis Method : C:\HPCHEM\1\METHODS\P1118ISA.M
Last changed    : 11/18/2011 11:07:25 AM by M.Miller
Test Pest
```



Internal Standard Report

```
Sorted By             :      Signal
Calib. Data Modified  :      Friday, November 18, 2011 11:02:29 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
```

ISTD #	ISTD Amount [ng/ul]	Name
2	1.00000e-1	BNB-IS(B)
1	1.00000e-1	BNB-IS(A)

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.224	BV I	2.86056e5	1.00000	1.00000e-1		BNB-IS(A)
2.755	VP	6.26975e4	1.09195	2.39332e-2		TCmX ✓ 47.9%
3.163		-	-	-		a-BHC
3.425		-	-	-		g-BHC
3.499		-	-	-		b-BHC
3.661		-	-	-		d-BHC
3.845		-	-	-		Heptachlor

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
4.085	VP	5068.61719	1.86355	3.30202e-3		Aldrin
4.727		-	-	-		Heptachlor Epoxide
4.856		-	-	-		g-Chlordane
4.992		-	-	-		a-Chlordane
5.078		-	-	-		4,4'-DDE
5.133		-	-	-		Endosulfan I
5.387		-	-	-		Dieldrin
5.637		-	-	-		Endrin
5.719		-	-	-		4,4'-DDD
5.878		-	-	-		Endosulfan II
6.021		-	-	-		4,4'-DDT
6.337		-	-	-		Endrin Aldehyde
6.569		-	-	-		Methoxychlor
6.819		-	-	-		Endosulfan Sulphate
7.139		-	-	-		Endrin Ketone
8.334	BB	8.02351e4	1.05941	2.97150e-2		DCBP ✓ 59.4%

Totals without ISTD(s) : 5.69502e-2

Results obtained with enhanced integrator!

Signal 2: ECD2 B,

RetTime [min]	Type	Area counts*s	Amt/Area ratio	Amount [ng/ul]	Grp	Name
2.162	BV I	3.90175e5	1.00000	1.00000e-1		BNB-IS(B)
2.817	VP	8.26107e4	1.12860	2.38955e-2		TCmX
3.324	VV	4253.69824	2.93856	3.20362e-3		a-BHC
3.625		-	-	-		g-BHC
3.698		-	-	-		b-BHC
3.998	BP	4691.88867	4.17295	5.01801e-3		d-BHC
4.076		-	-	-		Heptachlor
4.413		-	-	-		Aldrin
5.015		-	-	-		Heptachlor Epoxide
5.141	BB	3174.62109	8.47130e-1	6.89259e-4		g-Chlordane
5.373		-	-	-		a-Chlordane
5.448		-	-	-		Endosulfan I
5.544		-	-	-		4,4'-DDE
5.748		-	-	-		Dieldrin
6.077		-	-	-		Endrin
6.197		-	-	-		4,4'-DDD
6.316		-	-	-		Endosulfan II
6.550		-	-	-		4,4'-DDT
6.702		-	-	-		Endrin Aldehyde
7.041		-	-	-		Endosulfan Sulphate
7.310		-	-	-		Methoxychlor
7.621		-	-	-		Endrin Ketone
9.048	BB	8.93302e4	1.37815	3.15525e-2		DCBP

Totals without ISTD(s) : 6.43590e-2

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

==========

*** End of Report ***

ORGANIC PREP: Pesticide & PCB Aqueous & Non-Aqueous Samples

DATE	SAMPLE #	EPA METHOD	INITIAL VOLUME	FINAL VOLUME	INITIALS	SURROGATE/SPIKE	CLEAN-UP (Pest; PCB)	OTHER
							Pest: F; PCB: F/S,F	MeCl2 → Hexane
12/5/11	BLK	Pest/PCB.S"	"35.0g"	10 mL	edf	50 µl PPSS# 112669		
	LCS	PCB.S"	↓	↓	↓	25 µl PCB 16/60# 11004	↓	
	LCS1	Pest.S				20 µl Pest MS# 11167	F	
	LCS2	↓	↓			5 µl TOX # 10909		
	17276	Pest/PCB.S"	35.0				F/S,F	G3
	17277	↓	35.1	↓	↓	↓	↓	↓
12/5/11	BLK	PCB.S	"5.00g"	20 mL	edf	100 µl PPSS# 112669	F/S,cu	3:1
	LCS		↓			50 µl PCB 16/60# 11004		
	17300		5.03					G2
	17301		5.07					
	17302		5.11					↓
	17303		5.07					
	17304		5.00					PB
	17305	↓	5.07	↓	↓	↓	↓	↓
12/5/11	17306	Pest/PCB.S"	34.8	10 mL	edf	50 µl PPSS# 112669	F/S,F	MeCl2→Hexane G3
	17324	↓	34.9	↓	↓	↓	↓	↓
12/5/11	BLK	PCB.O	"0.500g"	5 mL	m	25 µl PPSS# 11269	F/S,A	Hexane
	LCS		↓	↓	↓	12.5 µl PCB 1/160# 11004	↓	
15	17279		0.114	20mL		100 µl PPSS# 11269	F/S	PB
	17260		0.139					
	17281		0.131 0.2 sec 11/9/11					
	17282		0.112					
	17263		0.128					
	17284		0.139					
	MS		0.156					
	MSD		0.163					

GC / ECD Pest System 5890 / DuaL ECD

Initial Calibration Date_____

Date	GC Method	Vial #	Data File	Matrix	Sample ID	Standard #	Notes	Initials	A	R	Comments	Initials
11/17/11	PSTRUN	1	111117C	-	Hexane x 2				✓			
		2		-	Pest A+B	11046			✓			
		1		-	Hexane				✓			
		3		-	Pest Degrad	11056			✓		pass	
		6		-	Pest Cal L-1 .005 ppm	11047	Save as 111815A.M		✓			
		7		-	L-2 .010 "	11048			✓			
		8		-	L-3 .020 "	11049			✓			
		9		-	L-4 .050 "	11050			✓			
		10		-	L-5 .100 "	11051			✓			
		11		-	L-6 .200"	11052			✓			
		12		-	L-7 .400"	11053			✓			
		13		-	Pest Ref .1 ppm	11061			✓			
		14		-	Tox Ref .5 ppm	11064			✓			
		5		-	Tox Cal (SP) .5ppm	11059	Save as T111815A.M		✓			
		~~13~~		-	Pest Degrad	11056			✓			
		4		-	Pest CCal .1ppm	11054			✓			✓
		5		-	Tox ccal .5ppm	11059						
		15		Soil	PB 11/16		Pest .s (ASP)				DID NOT RUN next sequence	
		14			LCS 11/16							
		17			LCS2 11/16							
		18			16518 Panam 4949A							
		19			16519 ↓							
		20			16667 ERM 4970A							

A = Accepted: R = Rejected

GC / ECD Test System 5890 / Dual ECD Initial Calibration Date 11/30/11

Date	GC Method	Vial #	Data File	Matrix	Sample ID	Standard #	Notes	Intials	A	R	Comments	Intials
11/30/11	PST RUN	19	111130A	Water	17054 Panam 5151A		Pest.W ASP		✓			
		20			17055				✓			
		21			17055MS				✓		all pass	
		22			17055MSD				✓		all pass	
		23			17056				✓			
		24			17057				✓			
		25			17058				✓			
		26			17059				✓			
12/5/11	PSTRUN	1	111205A	-	Hexane x2				—			
		2		-	A+B Pest	11046			—			
		1		-	Hexane				—			
		3		-	Pest Degrad	~~10760~~ 10760			✓		pass	
		4		-	Pest CCal .1ppm	11054			✓		all pass	
		5		-	Tox CCal .5ppm	11059			✓		pass	
		6		Soil	PB 12/5		Pest.S ASP x3		✓			
		7			LCS 12/5				✓		all pass	
		8			LCS2 12/5				✓		pass	
		9			17276 LaB ~~5230A~~ ~~5141A~~				✓			
		10			17277 ↓				✓			
		11			17306 ERM ~~5~~ 5244A				✓			
		12		↓	17324 LaB 5252A				✓			
		13		11199	PCB 1248 1.0ppm	11199						
		14		11200	PCB 1254 1.0ppm	11200						
		15	↓	Water PCB	17058		PEB Conf.	↓				

A = Accepted: R = Rejected

PCBS

QC SUMMARY

2F

SOIL PCB SURROGATE RECOVERY

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Lab Project #: 11-5230A Client Project #: 209280 SDG No.: 17276

Client Project Name: 690 St. Paul St.

GC Column: Rtx-PCB Detector: ECD1 A ID(mm): 0.32-narrow bore

	SAMPLE NO.	TCmX %REC	DCBP %REC	TOT OUT
01	Soil PB 12/05 LL	45.8	69.8	0
02	Soil LCS 12/05 LL	49.6	75.2	0
03	AOC1-CS-8 17276	46.6	86.9	0
04	AOC1-CS-9 17277	44.5	75.3	0
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

	QC LIMITS %
TCmX=Tetrachloro-m-xylene	(29.3-127)
DCBP=Decachlorobiphenyl	(48.3-129)

* Values outside of current required QC limits

D Surrogate diluted out

FORM II PCB-2

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc.

Client Job Site: 690 St. Paul St.
Client Job Number: 209280
Field Location: N/A
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5230A
Lab Sample Number: Soil LCS 12/05 LL
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 12/06/2011

SDG# : 17276

Spiked Compound	Blank Results in mg / Kg	LCS Spiked in mg / Kg	LCS Results in mg / Kg	LCS Percent Recovery	MSD Spiked in mg / Kg	MSD Results in mg / Kg	MSD Percent Recovery	MS / MSD % RPD
Aroclor 1016/1260	< 0.0286	0.143	0.0917	64.1	N/A	N/A	N/A	N/A

ELAP Number 10958

Method: EPA 8082

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis QC Limits

Limits effective: Oct 01,2011
Through: Dec 31,2011

Spiked Compound	Soil Spike Limits		Soil % RPD Limits		Water Spike Limits		Water % RPD Limits	
	Lower %	Upper %	Lower %	Upper %	Lower %	Upper %	Lower %	Upper %
PCB	25.3	138	N/A	79.0	25.0	111	N/A	60.3
Surrogate	**Soil Surrogate Limits**				**Water Surrogate Limits**			
	Lower %	Upper %			Lower %	Upper %		
TCmX	29.3	127			-4.85	89.2		
DCBP	48.3	129			38.3	124		

ELAP Number 10958

Method: EPA 8082

Note: When the lower acceptance limit is calculated to be below 10% recovery, a warning limit of 10% is established. Recoveries between the lower acceptance limit and the warning limit will be investigated, but will not invalidate the batch.

4C

PCB METHOD BLANK SUMMARY

SAMPLE NO.

Soil PB 12/05 LL

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Lab Project #: 11-5230A Client Project #: 209280 SDG No.: 17276

Client Project Name: 690 St. Paul St.

Lab File ID: 111206A\003F0301.D Date Analyzed: 12/5/2011

Extraction(type): MeCl2 -> Hexane Time Analyzed: 10:34

Matrix: (soil/water) soil Instrument ID: Instrument 1

Date Extracted: 12/5/2011 GC Column: Rtx-PCB ID(mm): 0.32

Sulfur Cleanup(Y/N): N Detector: ECD1 A narrow bore

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED
01	N/A	Soil LCS 12/05 LL	12/6/2011
02	AOC1-CS-8	17276	12/6/2011
03	AOC1-CS-9	17277	12/6/2011
04			
05			
06			
07			
08			
09			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

COMMENTS:

MDL Study: PCB 1221 in Soil
Instrument: 6890 - Micro-ECD
Spike Level: 0.100 ug/mL

Analyst: M.Miller
Date: 1/25/2011
Data Folder: 110124A

	Compound	MDL1	MDL2	MDL3	MDL4	MDL5	MDL6	MDL7	STD. DEV.	MDL
1	Tetrachloro-m-xylene	0.0360	0.0415	0.0386	0.0401	0.0388	0.0398	0.0396	0.0017	N/A
2	PCB 1221	0.1173	0.0918	0.0960	0.1047	0.1052	0.1077	0.1150	0.0092	**0.0291**
3	Decachlorobiphenyl	0.0532	0.0555	0.0537	0.0541	0.0540	0.0546	0.0538	0.0007	N/A
	Data File:	027F3301.D	028F3401.D	029F3501.D	030F3601.D	031F3701.D	032F3801.D	033F3901.D		

MDL Study: PCB 1221 in Soil (Low Level Extraction)
Instrument: 6890 - Micro-ECD
Spike Level: 0.100 ug/mL

Analyst: M.Miller
Date: 1/25/2011
Data Folder: 110124A

	Compound	MDL1	MDL2	MDL3	MDL4	MDL5	MDL6	MDL7	STD. DEV.	MDL
1	Tetrachloro-m-xylene	0.0331	0.0306	0.0338	0.0324	0.0326	0.0319	0.0334	0.0011	N/A
2	PCB 1221	0.0924	0.0997	0.1079	0.1045	0.1022	0.1009	0.1068	0.0052	**0.0164**
3	Decachlorobiphenyl	0.0549	0.0557	0.0590	0.0570	0.0567	0.0563	0.0568	0.0013	N/A
	Data File:	035F4101.D	036F4201.D	037F4301.D	038F4401.D	039F4501.D	040F4601.D	041F4701.D		

MDL Study: PCB 1221 in Water
Instrument: 6890 - Micro-ECD
Spike Level: 0.100 ug/mL

Analyst: M.Miller
Date: 2/1/2011
Data Folder: 110201A

	Compound	MDL1	MDL2	MDL3	MDL4	MDL5	MDL6	MDL7	STD. DEV.	MDL
1	Tetrachloro-m-xylene	0.0211	0.0259	0.0211	0.0272	0.0254	0.0256	0.0249	0.0024	N/A
2	PCB 1221	0.0552	0.0641	0.0562	0.0678	0.0635	0.0639	0.0621	0.0045	**0.0143**
3	Decachlorobiphenyl	0.0394	0.0400	0.0406	0.0405	0.0393	0.0398	0.0384	0.0007	N/A
	Data File:	006F0801.D	007F0901.D	008F1001.D	009F1101.D	010F1201.D	011F1301.D	012F1401.D		

PCBS

SAMPLE DATA

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc.

Client Job Site:	690 St. Paul St.	**Lab Project Number:**	11-5230A
		Lab Sample Number:	17276
Client Job Number:	209280		
Field Location:	AOC1-CS-8	**Date Sampled:**	12/02/2011
Field ID Number:	N/A	**Date Received:**	12/02/2011
Sample Type:	Soil	**Date Analyzed:**	12/06/2011

PCB Identification	Results in mg / Kg
Aroclor 1016	< 0.0308
Aroclor 1221	< 0.0308
Aroclor 1232	< 0.0308
Aroclor 1242	< 0.0308
Aroclor 1248	< 0.0308
Aroclor 1254	< 0.0308
Aroclor 1260	< 0.0308

ELAP Number 10958

Analytical Method: EPA 8082A
Prep Method: EPA 3550C

Comments: mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

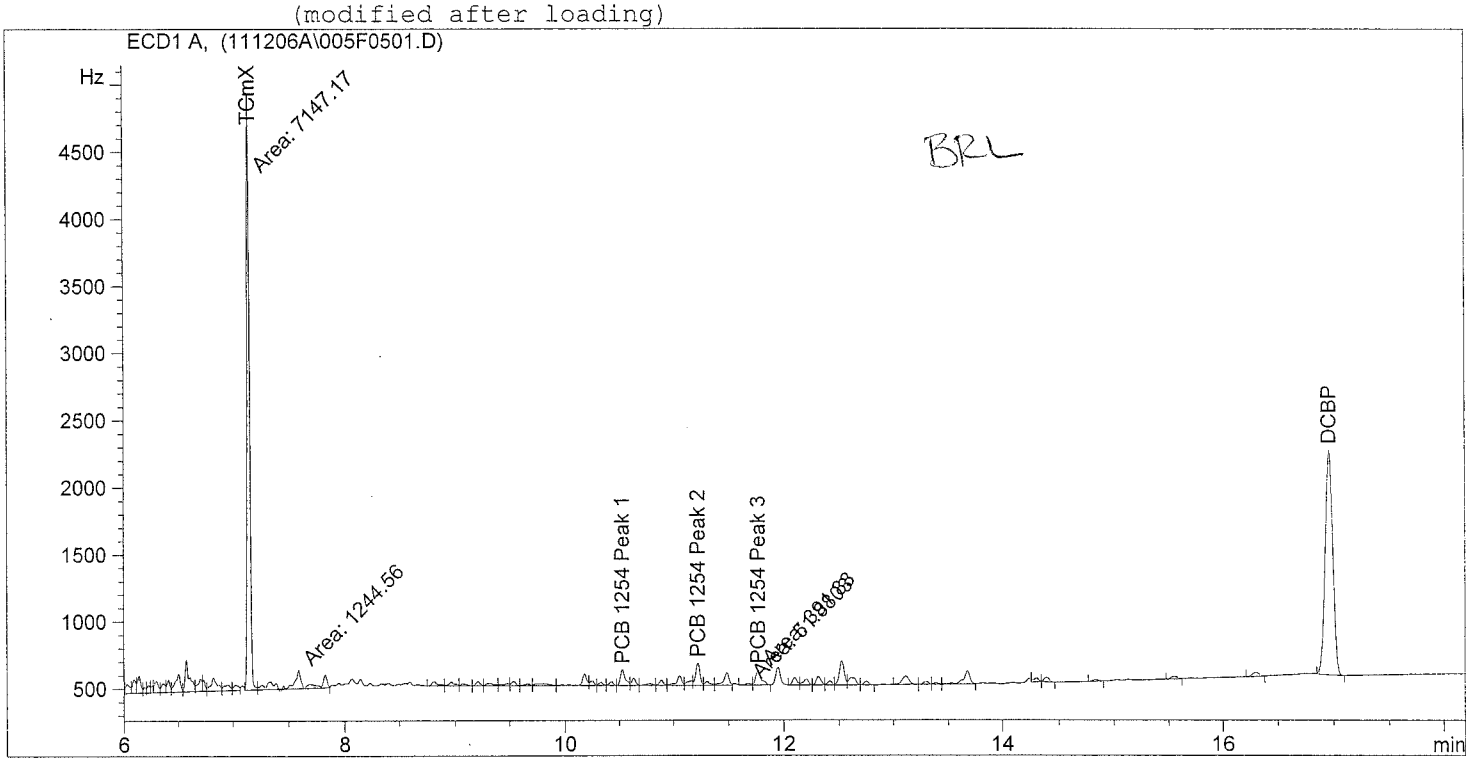
This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

278

Injection Date : 12/6/2011 11:23:19 AM Seq. Line : 5
Sample Name : 17276 LAB-5230A Location : Vial 5
Acq. Operator : M.Miller/E.Farmen Inj : 1
Acq. Instrument : Micro ECD 1 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\UECD.M
Last changed : 11/18/2011 4:01:22 PM by M.Miller/E.Farmen
Analysis Method : C:\HPCHEM\1\METHODS\1254SPT.M
Last changed : 12/6/2011 11:50:11 AM by M.Miller/E.Farmen
(modified after loading)

ecf 12/14

35.0 → 10mL



BRL

External Standard Report

Sorted By : Retention Time
Calib. Data Modified : Thursday, December 01, 2011 8:44:08 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.148	1	MF	7147.16602	3.25746e-6	2.32816e-2		TCmX 46.6%
10.529	1	VV	365.58563	6.60710e-5	2.41546e-2		PCB 1254 Peak 1
11.227	1	VV	449.51111	5.95669e-5	2.67760e-2		PCB 1254 Peak 2
11.771	1	FM	391.83014	6.73552e-5	2.63918e-2		PCB 1254 Peak 3
16.960	1	BBA	8206.98437	5.29570e-6	4.34617e-2		DCBP 86.9%

BRL

Totals : 1.44066e-1

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

*** End of Report ***

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc.

Client Job Site:	690 St. Paul St.	**Lab Project Number:**	11-5230A
		Lab Sample Number:	17277
Client Job Number:	209280		
Field Location:	AOC1-CS-9	**Date Sampled:**	12/02/2011
Field ID Number:	N/A	**Date Received:**	12/02/2011
Sample Type:	Soil	**Date Analyzed:**	12/06/2011

PCB Identification	Results in mg / Kg
Aroclor 1016	< 0.0308
Aroclor 1221	< 0.0308
Aroclor 1232	< 0.0308
Aroclor 1242	< 0.0308
Aroclor 1248	< 0.0308
Aroclor 1254	< 0.0308
Aroclor 1260	< 0.0308

ELAP Number 10958

Analytical Method: EPA 8082A
Prep Method: EPA 3550C

Comments: mg / Kg = milligram per Kilogram

Signature: _____

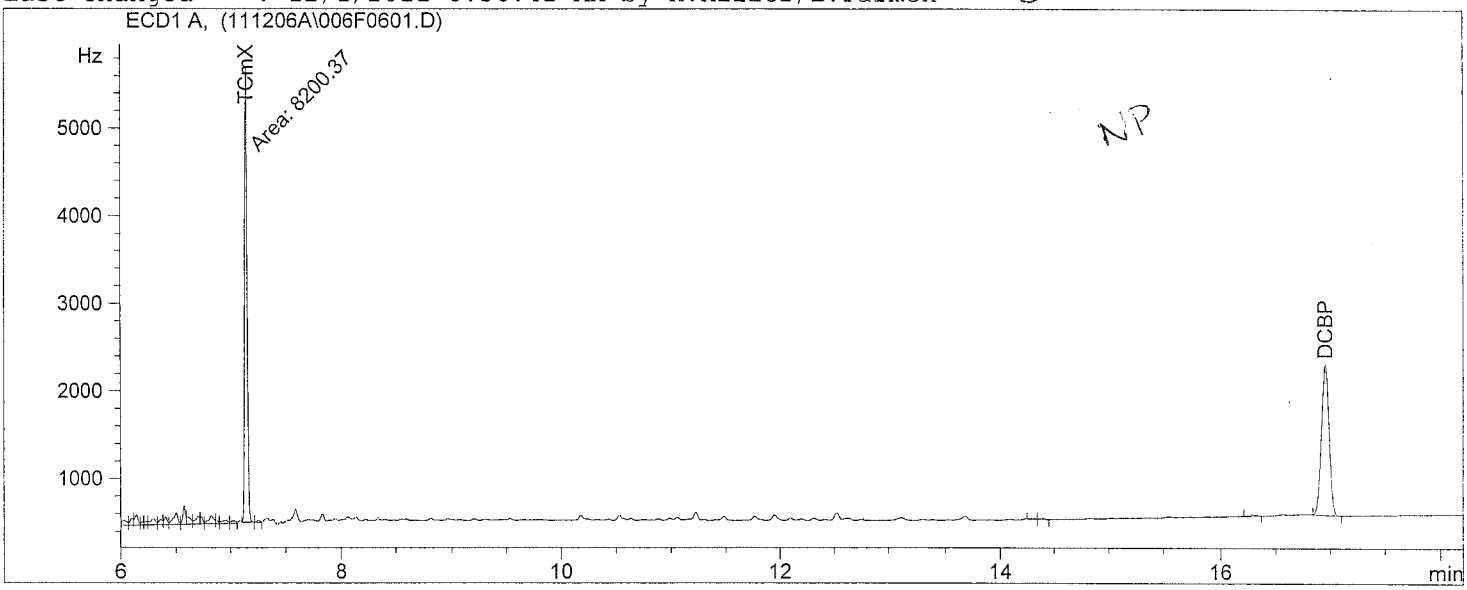
Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

```
==========================================================================
Injection Date  : 12/6/2011 11:46:14 AM          Seq. Line :   6
Sample Name     : 17277 LAB-5230A                 Location : Vial 6
Acq. Operator   : M.Miller/E.Farmen                   Inj :   1
Acq. Instrument : Micro ECD 1                  Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\UECD.M
Last changed    : 11/18/2011 4:01:22 PM by M.Miller/E.Farmen
Analysis Method : C:\HPCHEM\1\METHODS\P113011.M
Last changed    : 12/1/2011 8:36:42 AM by M.Miller/E.Farmen
```

edf 12/12

35.1 -> 10ml



NP

```
==========================================================================
                        External Standard Report
==========================================================================

Sorted By             :      Retention Time
Calib. Data Modified  :      Thursday, December 01, 2011 8:27:13 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,

RetTime Sig Type     Area      Amt/Area    Amount    Grp   Name
 [min]             [Hz*s]                 [ng/ul]
-------|--|------|----------|----------|----------|--|----------------
  7.146  1 MM     8200.37207 2.71396e-6 2.22555e-2 ✓     TCmX      44.5%
  7.611  1           -          -          -             PCB 1016 Peak 1
  8.072  1           -          -          -             PCB 1016 Peak 2
  9.541  1           -          -          -             PCB 1016 Peak 3
 11.962  1           -          -          -             PCB 1260 Peak 1
 12.540  1           -          -          -             PCB 1260 Peak 2
 13.693  1           -          -          -             PCB 1260 Peak 3
 16.955  1 BBA    8355.64355 4.50305e-6 3.76259e-2 ✓     DCBP      75.3%

Totals :                                 5.98813e-2

 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

==========================================================================
                          *** End of Report ***
```

PCBS

STANDARDS DATA

7F

PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Lab Project #: 11-5230A Client Project #: 209280

Client Project Name: 690 St. Paul St.

GC Column: RTX-PCB ID: (mm) 0.32 Initial Calibration Date: 11/30(P113011.M)

Detector: ECD1 A narrow bore Date Analyzed: 12/6/2011

Time Analyzed: 10:10

File/LAB #: 111206A\002F0201.D CAL ID: CCV 0.500

INDIVIDUAL COMPOUND		RT	RT FROM	WINDOW TO	AVERAGE CALC. AMT ng	TARGET AMT ng	AVERAGE %D	pass/ fail
PCB16/60	1	7.61	7.11	8.11	0.481	0.500	-3.9	pass
	2	8.07	7.57	8.57				
	3	9.54	9.04	10.04				
	4	11.95	11.45	12.45				
	5	12.53	12.03	13.03				
	6	13.68	13.18	14.18				

* = Outside QC limits

Note: Average % D with Acceptance window of +/- 20% used per 8082 method.
+/- 20% = Pass

7F

PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: Paradigm Environmental Services Client Name: LaBella Assoc.

Lab Project #: 11-5230A Client Project #: 209280

Client Project Name: 690 St. Paul St.

GC Column: RTX-PCB ID: (mm) 0.32 Initial Calibration Date: 11/30(P113011.M)

Detector: ECD1 A narrow bore Date Analyzed: 12/6/2011

Time Analyzed: 18:29

File/LAB #: 111206A\002F2301.D CAL ID: CCV 0.500

INDIVIDUAL COMPOUND		RT	RT FROM	WINDOW TO	AVERAGE CALC. AMT ng	TARGET AMT ng	AVERAGE %D	pass/ fail
PCB16/60	1	7.60	7.10	8.10	0.451	0.500	-9.8	pass
	2	8.06	7.56	8.56				
	3	9.53	9.03	10.03				
	4	11.95	11.45	12.45				
	5	12.53	12.03	13.03				
	6	13.68	13.18	14.18				

* = Outside QC limits

Note: Average % D with Acceptance window of +/- 20% used per 8082 method.
+/- 20% = Pass

12/1/11

Calibration Table

Calib. Data Modified : Thursday, December 01, 2011 8:27:13 AM

Calculate : External Standard
Based on : Peak Area

Rel. Reference Window : 0.000 %
Abs. Reference Window : 0.500 min
Rel. Non-ref. Window : 0.000 %
Abs. Non-ref. Window : 0.500 min
Do not use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal 1: ECD1 A,

RetTime [min]	Sig	Lvl	Amount [ng/ul]	Area	Amt/Area	Ref	Grp	Name
7.153	1	1	1.00000e-2	3448.56714	2.89976e-6			TCmX
		2	2.00000e-2	6528.30273	3.06358e-6			
		3	5.00000e-2	1.66600e4	3.00119e-6			
		4	1.00000e-1	3.21239e4	3.11295e-6			
		5	1.50000e-1	4.97525e4	3.01492e-6			
		6	2.00000e-1	7.61836e4	2.62524e-6			
		7	4.00000e-1	1.28881e5	3.10365e-6			
7.611	1	1	5.00000e-2	458.25128	1.09110e-4			PCB 1016 Peak 1
		2	1.00000e-1	769.20746	1.30004e-4			
		3	2.50000e-1	1761.41602	1.41931e-4			
		4	5.00000e-1	3065.86987	1.63086e-4			
		5	7.50000e-1	4523.36865	1.65806e-4			
		6	1.00000	6722.55811	1.48753e-4			
		7	2.00000	1.07330e4	1.86340e-4			
8.072	1	1	5.00000e-2	519.15259	9.63108e-5			PCB 1016 Peak 2
		2	1.00000e-1	908.66626	1.10051e-4			
		3	2.50000e-1	2103.91748	1.18826e-4			
		4	5.00000e-1	3723.89380	1.34268e-4			
		5	7.50000e-1	5505.74561	1.36221e-4			
		6	1.00000	8101.95313	1.23427e-4			
		7	2.00000	1.31146e4	1.52501e-4			
9.541	1	1	5.00000e-2	492.74783	1.01472e-4			PCB 1016 Peak 3
		2	1.00000e-1	903.47485	1.10684e-4			
		3	2.50000e-1	2017.90784	1.23891e-4			
		4	5.00000e-1	3585.89209	1.39435e-4			
		5	7.50000e-1	5302.84961	1.41433e-4			
		6	1.00000	7698.45361	1.29896e-4			
		7	2.00000	1.25905e4	1.58850e-4			

RetTime [min]	Sig	Lvl	Amount [ng/ul]	Area	Amt/Area	Ref	Grp	Name
11.962	1	1	5.00000e-2	1158.70898	4.31515e-5			PCB 1260 Peak 1
		2	1.00000e-1	1994.49939	5.01379e-5			
		3	2.50000e-1	4559.37109	5.48321e-5			
		4	5.00000e-1	8262.64355	6.05133e-5			
		5	7.50000e-1	1.23239e4	6.08575e-5			
		6	1.00000	1.85385e4	5.39417e-5			
		7	2.00000	3.04183e4	6.57498e-5			
12.540	1	1	5.00000e-2	1252.67749	3.99145e-5			PCB 1260 Peak 2
		2	1.00000e-1	2316.04077	4.31771e-5			
		3	2.50000e-1	5418.24902	4.61404e-5			
		4	5.00000e-1	1.00483e4	4.97595e-5			
		5	7.50000e-1	1.50038e4	4.99875e-5			
		6	1.00000	2.26723e4	4.41067e-5			
		7	2.00000	3.74191e4	5.34487e-5			
13.693	1	1	5.00000e-2	1521.11938	3.28705e-5			PCB 1260 Peak 3
		2	1.00000e-1	2788.58130	3.58605e-5			
		3	2.50000e-1	6721.03760	3.71966e-5			
		4	5.00000e-1	1.28145e4	3.90184e-5			
		5	7.50000e-1	1.94610e4	3.85387e-5			
		6	1.00000	2.98003e4	3.35567e-5			
		7	2.00000	4.99271e4	4.00584e-5			
16.979	1	1	1.00000e-2	2295.61621	4.35613e-6			DCBP
		2	2.00000e-2	4293.32080	4.65840e-6			
		3	5.00000e-2	1.04924e4	4.76537e-6			
		4	1.00000e-1	2.01148e4	4.97145e-6			
		5	1.50000e-1	3.02841e4	4.95309e-6			
		6	2.00000e-1	4.67247e4	4.28039e-6			
		7	4.00000e-1	7.79998e4	5.12822e-6			

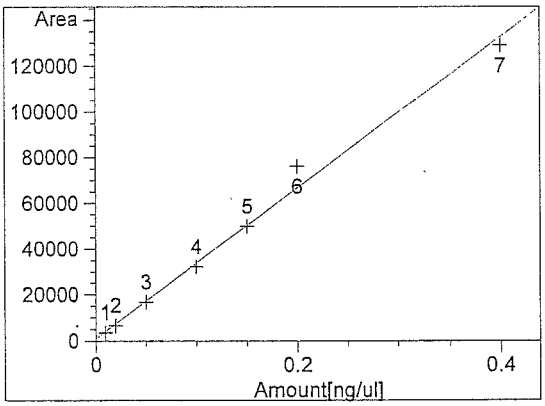
2 Warnings or Errors :

Warning : Overlapping peak time windows at 7.153 min, signal 1
Warning : Overlapping peak time windows at 7.611 min, signal 1

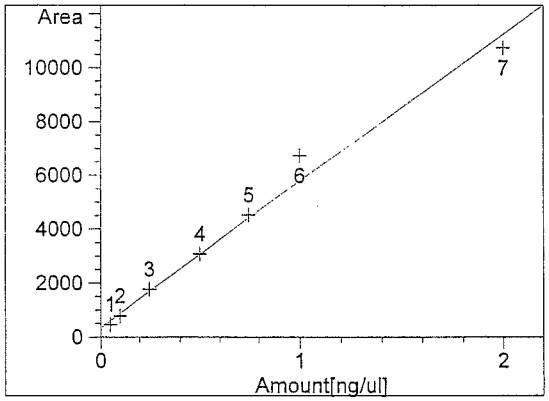
Peak Sum Table

No Entries in table

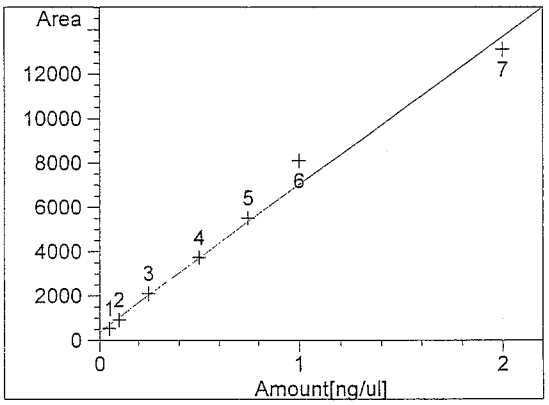
Calibration Curves



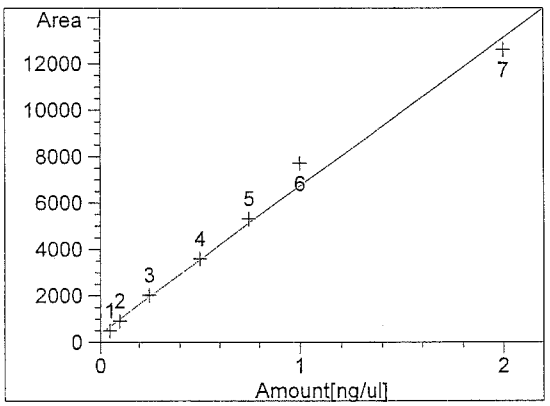
TCmX at exp. RT: 7.153
ECD1 A,
Correlation: 0.99610
Residual Std. Dev.: 4257.15311
Formula: y = mx + b
m: 329772.77565
b: 861.12732
x: Amount[ng/ul]
y: Area



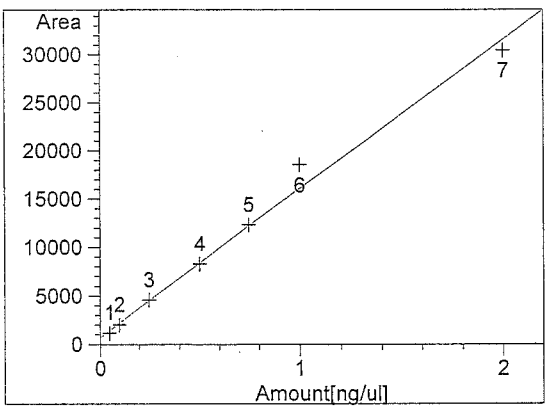
PCB 1016 Peak 1 at exp. RT: 7.611
ECD1 A,
Correlation: 0.99324
Residual Std. Dev.: 464.04412
Formula: y = mx + b
m: 5450.99111
b: 335.82632
x: Amount[ng/ul]
y: Area



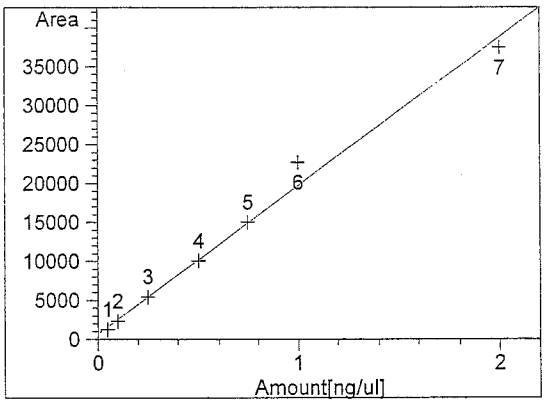
PCB 1016 Peak 2 at exp. RT: 8.072
ECD1 A,
Correlation: 0.99407
Residual Std. Dev.: 531.01681
Formula: y = mx + b
m: 6661.74579
b: 375.10461
x: Amount[ng/ul]
y: Area



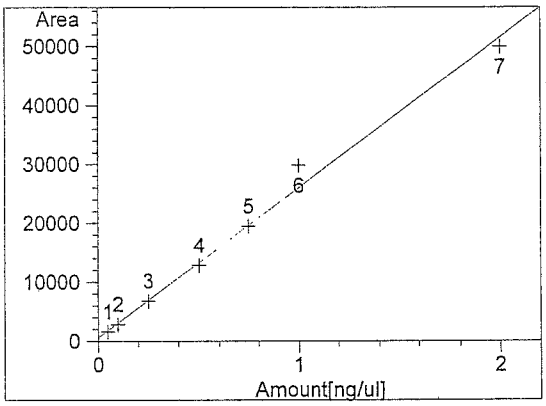
PCB 1016 Peak 3 at exp. RT: 9.541
ECD1 A,
Correlation: 0.99464
Residual Std. Dev.: 483.41893
Formula: y = mx + b
m: 6382.08617
b: 364.38625
x: Amount[ng/ul]
y: Area



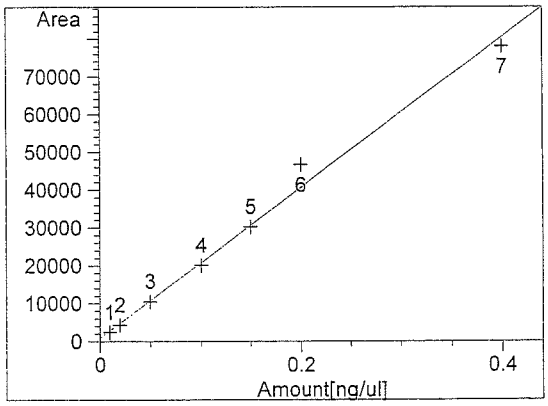
PCB 1260 Peak 1 at exp. RT: 11.962
ECD1 A,
Correlation: 0.99493
Residual Std. Dev.: 1138.39277
Formula: y = mx + b
m: 15461.99363
b: 669.71259
x: Amount[ng/ul]
y: Area



PCB 1260 Peak 2 at exp. RT: 12.540
ECD1 A,
Correlation: 0.99519
Residual Std. Dev.: 1367.00466
Formula: y = mx + b
m: 19067.15788
b: 683.52045
x: Amount[ng/ul]
y: Area

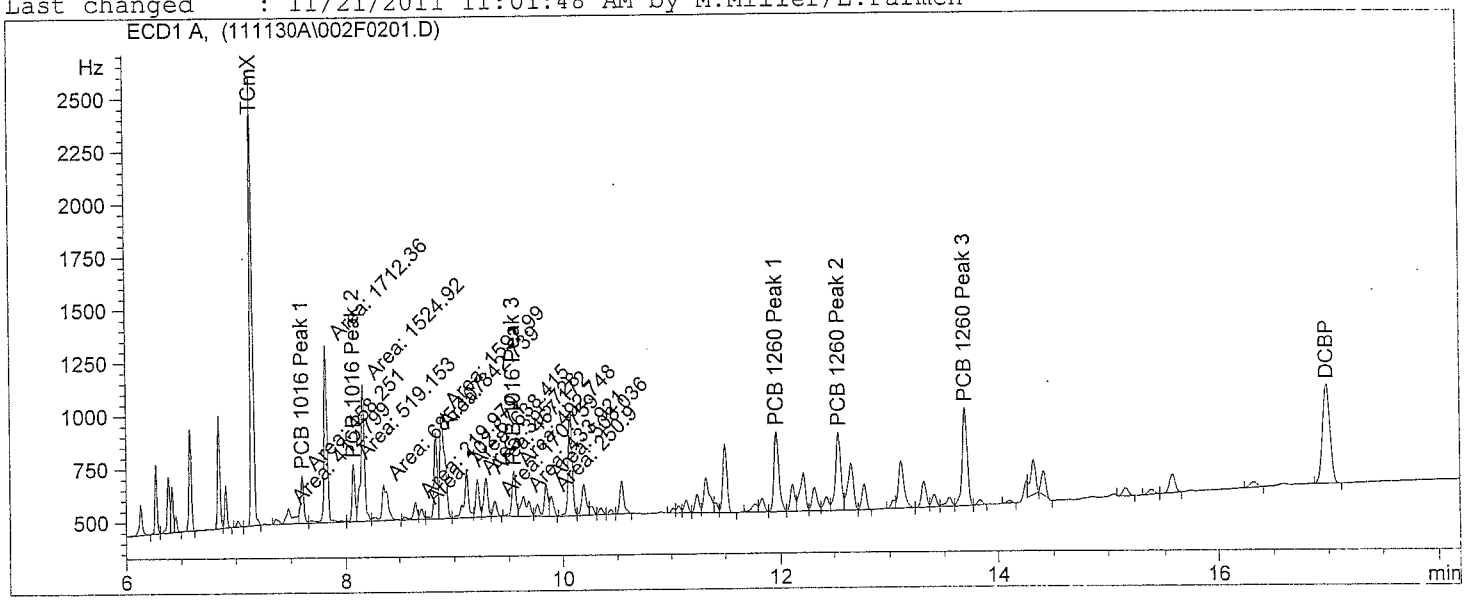


PCB 1260 Peak 3 at exp. RT: 13.693
ECD1 A,
Correlation: 0.99580
Residual Std. Dev.: 1708.46819
Formula: y = mx + b
m: 25490.51789
b: 562.83264
x: Amount[ng/ul]
y: Area



DCBP at exp. RT: 16.979
ECD1 A,
Correlation: 0.99560
Residual Std. Dev.: 2734.28015
Formula: y = mx + b
m: 199302.02578
b: 856.72941
x: Amount[ng/ul]
y: Area

Injection Date : 11/30/2011 6:20:00 PM Seq. Line : 2
Sample Name : 16/60 ICAL 0.050 Location : Vial 2
Acq. Operator : M.Miller/E.Farmen Inj : 1
Acq. Instrument : Micro ECD 1 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\UECD.M
Last changed : 11/18/2011 4:01:22 PM by M.Miller/E.Farmen
Analysis Method : C:\HPCHEM\1\METHODS\P113011.M
Last changed : 11/21/2011 11:01:48 AM by M.Miller/E.Farmen



External Standard Report

Sorted By : Retention Time
Calib. Data Modified : Monday, November 21, 2011 10:56:58 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,

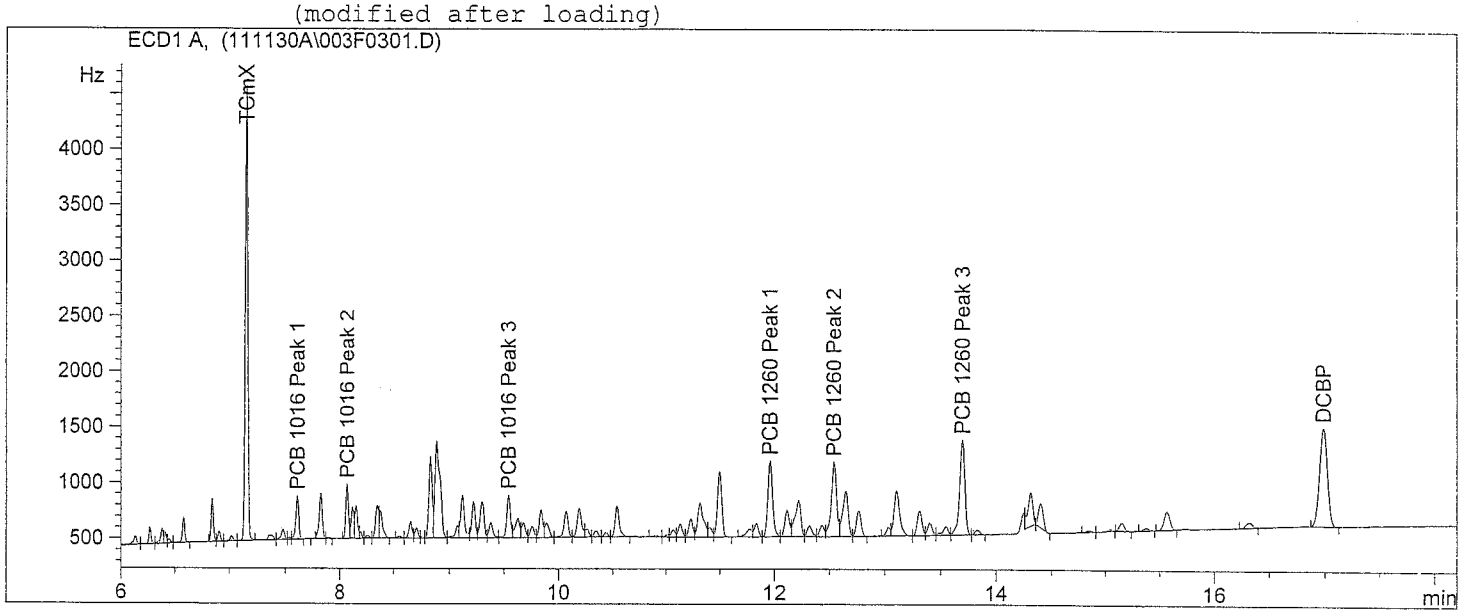
RetTime [min]	Sig	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.155	1	VB	3448.56714	3.30229e-6	1.13882e-2		TCmX
7.613	1	FM	458.25128	1.07561e-4	4.92900e-2		PCB 1016 Peak 1
8.074	1	VV	519.15259	9.89242e-5	5.13568e-2		PCB 1016 Peak 2
9.543	1	MV	492.74783	1.04629e-4	5.15555e-2		PCB 1016 Peak 3
11.964	1	VV	1158.70898	6.03074e-5	6.98787e-2		PCB 1260 Peak 1
12.543	1	VV	1252.67749	5.11206e-5	6.40376e-2		PCB 1260 Peak 2
13.695	1	VP	1521.11938	4.39671e-5	6.68791e-2		PCB 1260 Peak 3
16.987	1	BBA	2295.61621	5.12966e-6	1.17757e-2		DCBP
Totals :					3.76162e-1		

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

*** End of Report ***

```
Injection Date  : 11/30/2011 6:43:00 PM          Seq. Line :   3
Sample Name     : 16/60 ICAL 0.100               Location : Vial 3
Acq. Operator   : M.Miller/E.Farmen                  Inj :   1
Acq. Instrument : Micro ECD 1                 Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\UECD.M
Last changed    : 11/18/2011 4:01:22 PM by M.Miller/E.Farmen
Analysis Method : C:\HPCHEM\1\METHODS\P113011.M
Last changed    : 12/1/2011 8:21:07 AM by M.Miller/E.Farmen
                  (modified after loading)
```



External Standard Report

```
Sorted By             :      Retention Time
Calib. Data Modified  :      Thursday, December 01, 2011 8:21:05 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,
```

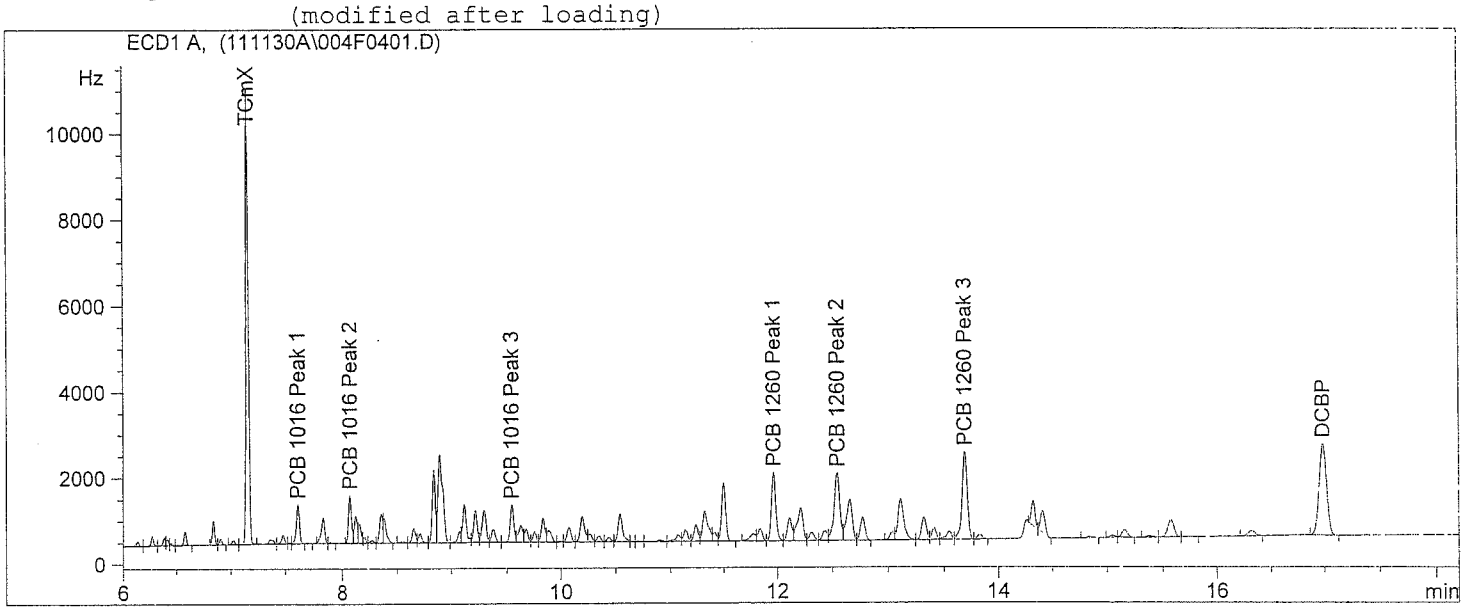
RetTime [min]	Sig	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.154	1	VB S	6528.30273	3.29307e-6	2.14981e-2		TCmX
7.613	1	VV T	769.20746	1.43584e-4	1.10446e-1		PCB 1016 Peak 1
8.073	1	BV	908.66626	1.25418e-4	1.13963e-1		PCB 1016 Peak 2
9.543	1	VV	903.47485	1.40040e-4	1.26523e-1		PCB 1016 Peak 3
11.963	1	VV	1994.49939	6.62903e-5	1.32216e-1		PCB 1260 Peak 1
12.543	1	VV	2316.04077	5.60959e-5	1.29920e-1		PCB 1260 Peak 2
13.696	1	VP	2788.58130	4.46746e-5	1.24579e-1		PCB 1260 Peak 3
16.986	1	BBA	4293.32080	5.29200e-6	2.27203e-2		DCBP
Totals :					7.81865e-1		

```
 Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
```

*** End of Report ***

Injection Date : 11/30/2011 7:05:51 PM Seq. Line : 4
Sample Name : 16/60 ICAL 0.250 Location : Vial 4
Acq. Operator : M.Miller/E.Farmen Inj : 1
Acq. Instrument : Micro ECD 1 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\UECD.M
Last changed : 11/18/2011 4:01:22 PM by M.Miller/E.Farmen
Analysis Method : C:\HPCHEM\1\METHODS\P113011.M
Last changed : 12/1/2011 8:21:31 AM by M.Miller/E.Farmen
(modified after loading)



External Standard Report

Sorted By : Retention Time
Calib. Data Modified : Thursday, December 01, 2011 8:21:29 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.154	1	VB S	1.66600e4	3.35128e-6	5.58324e-2		TCmX
7.613	1	VV T	1761.41602	1.79236e-4	3.15709e-1		PCB 1016 Peak 1
8.074	1	PV	2103.91748	1.50394e-4	3.16417e-1		PCB 1016 Peak 2
9.543	1	VV	2017.90784	1.66236e-4	3.35449e-1		PCB 1016 Peak 3
11.964	1	VV	4559.37109	7.36322e-5	3.35717e-1		PCB 1260 Peak 1
12.543	1	VV	5418.24902	6.08245e-5	3.29562e-1		PCB 1260 Peak 2
13.696	1	VV	6721.03760	4.64121e-5	3.11938e-1		PCB 1260 Peak 3
16.984	1	BBA	1.04924e4	5.51738e-6	5.78904e-2		DCBP

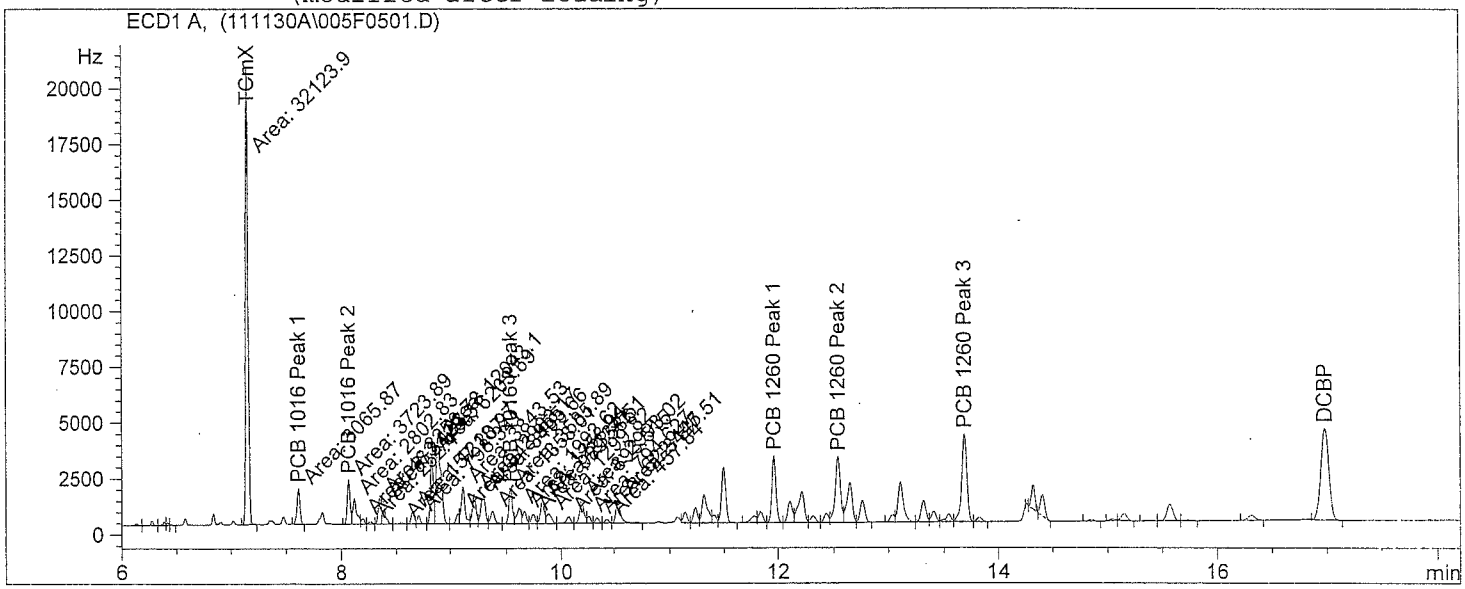
Totals : 2.05851

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

*** End of Report ***

Injection Date : 11/30/2011 7:28:47 PM Seq. Line : 5
Sample Name : 16/60 ICAL 0.500 Location : Vial 5
Acq. Operator : M.Miller/E.Farmen Inj : 1
Acq. Instrument : Micro ECD 1 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\UECD.M
Last changed : 11/18/2011 4:01:22 PM by M.Miller/E.Farmen
Analysis Method : C:\HPCHEM\1\METHODS\P113011.M
Last changed : 12/1/2011 8:21:56 AM by M.Miller/E.Farmen
(modified after loading)



External Standard Report

Sorted By : Retention Time
Calib. Data Modified : Thursday, December 01, 2011 8:21:55 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.154	1	MM	3.21239e4	3.36776e-6	1.08186e-1		TCmX
7.613	1	MM	3065.86987	1.90473e-4	5.83967e-1		PCB 1016 Peak 1
8.073	1	MV	3723.89380	1.58595e-4	5.90591e-1		PCB 1016 Peak 2
9.542	1	VV	3585.89209	1.75741e-4	6.30187e-1		PCB 1016 Peak 3
11.962	1	VV	8262.64355	7.63898e-5	6.31182e-1		PCB 1260 Peak 1
12.542	1	VV	1.00483e4	6.26002e-5	6.29028e-1		PCB 1260 Peak 2
13.695	1	VV	1.28145e4	4.70902e-5	6.03436e-1		PCB 1260 Peak 3
16.983	1	BBA	2.01148e4	5.59879e-6	1.12619e-1		DCBP

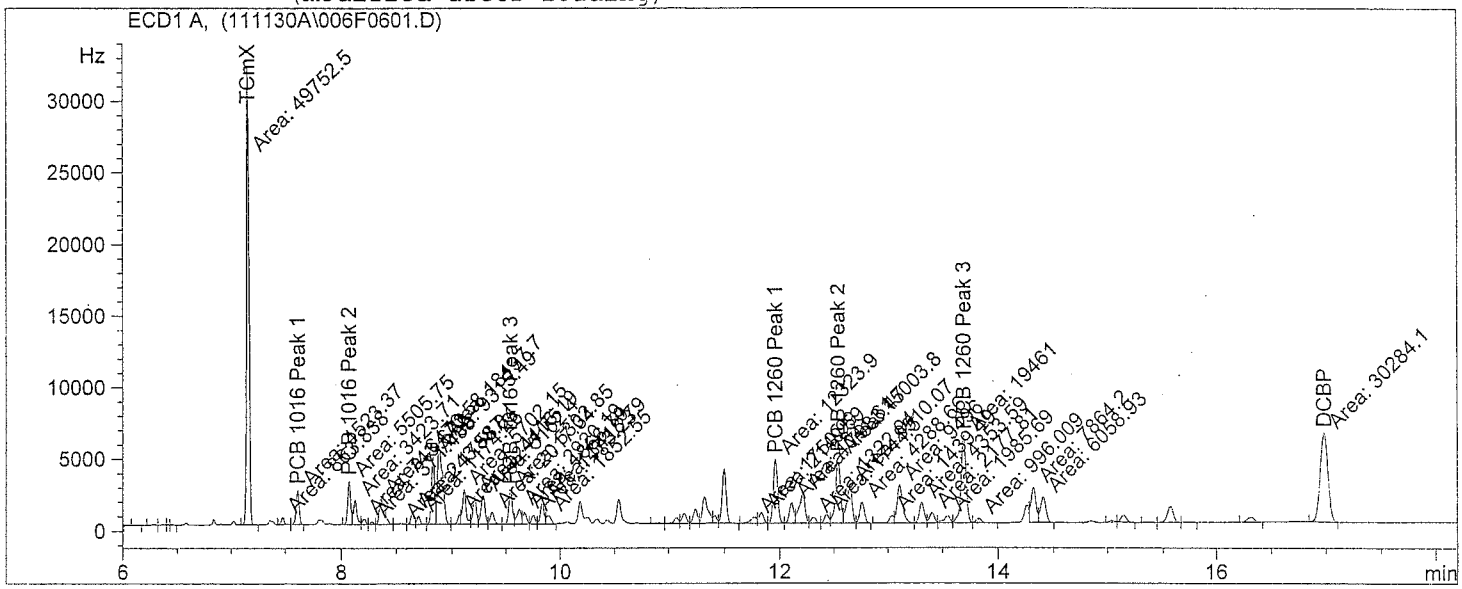
Totals : 3.88920

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

*** End of Report ***

```
Injection Date  : 11/30/2011 7:51:45 PM          Seq. Line :   6
Sample Name     : 16/60 ICAL 0.750               Location : Vial 6
Acq. Operator   : M.Miller/E.Farmen                  Inj :   1
Acq. Instrument : Micro ECD 1                  Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\UECD.M
Last changed    : 11/18/2011 4:01:22 PM by M.Miller/E.Farmen
Analysis Method : C:\HPCHEM\1\METHODS\P113011.M
Last changed    : 12/1/2011 8:23:16 AM by M.Miller/E.Farmen
                  (modified after loading)
```



External Standard Report

```
Sorted By             :      Retention Time
Calib. Data Modified  :      Thursday, December 01, 2011 8:23:14 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,
```

RetTime [min]	Sig	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.154	1	MM	4.97525e4	3.36976e-6	1.67654e-1		TCmX
7.613	1	VM	4523.36865	1.95415e-4	8.83933e-1		PCB 1016 Peak 1
8.073	1	MV	5505.74561	1.61950e-4	8.91656e-1		PCB 1016 Peak 2
9.542	1	VV	5302.84961	1.79310e-4	9.50855e-1		PCB 1016 Peak 3
11.963	1	VV	1.23239e4	7.72524e-5	9.52049e-1		PCB 1260 Peak 1
12.541	1	VV	1.50038e4	6.30156e-5	9.45472e-1		PCB 1260 Peak 2
13.695	1	VV	1.94610e4	4.71612e-5	9.17801e-1		PCB 1260 Peak 3
16.983	1	MM	3.02841e4	5.61145e-6	1.69938e-1		DCBP

```
Totals :                                   5.87936

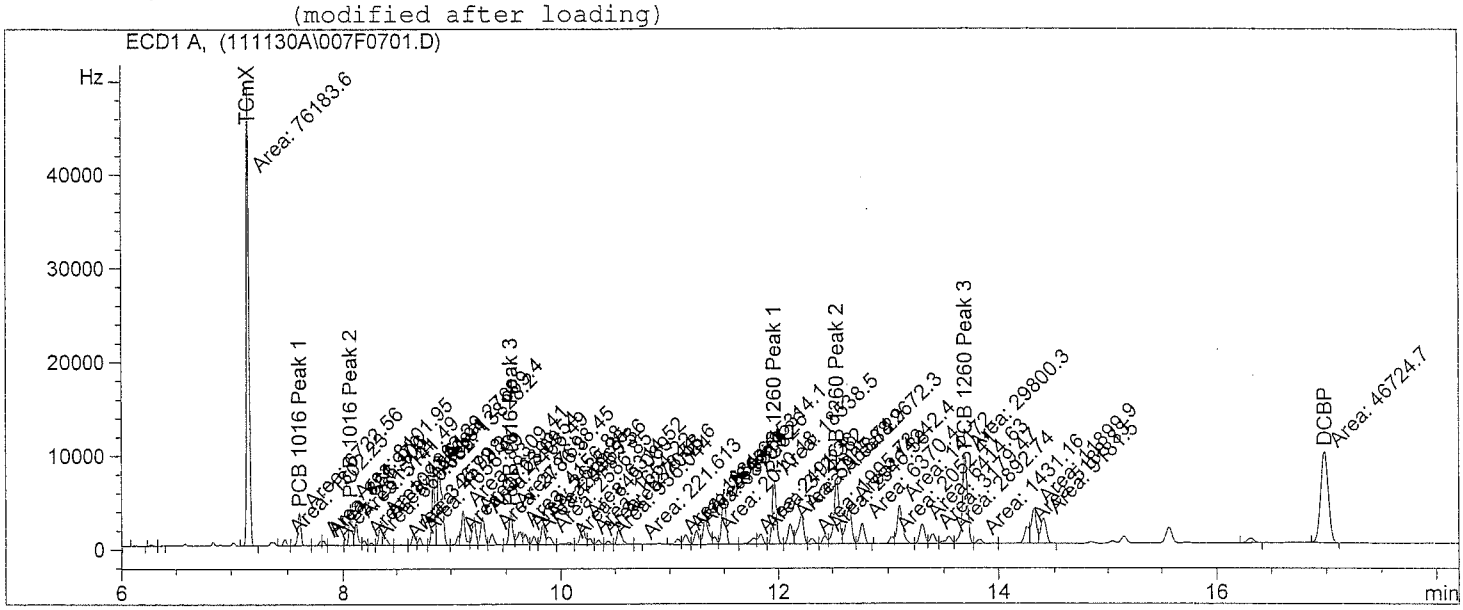
 Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
```

*** End of Report ***

12/1

```
Injection Date  : 11/30/2011 8:14:35 PM          Seq. Line :   7
Sample Name     : 16/60 ICAL 1.00                 Location : Vial 7
Acq. Operator   : M.Miller/E.Farmen                   Inj :   1
Acq. Instrument : Micro ECD 1                  Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\UECD.M
Last changed    : 11/18/2011 4:01:22 PM by M.Miller/E.Farmen
Analysis Method : C:\HPCHEM\1\METHODS\P113011.M
Last changed    : 12/1/2011 8:24:53 AM by M.Miller/E.Farmen
                  (modified after loading)
```



External Standard Report

```
Sorted By             :      Retention Time
Calib. Data Modified  :      Thursday, December 01, 2011 8:24:51 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,
```

RetTime [min]	Sig	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.154	1	MM	7.61836e4	3.36164e-6	2.56102e-1		TCmX
7.613	1	VV	6722.55811	1.98324e-4	1.33325		PCB 1016 Peak 1
8.073	1	VV	8101.95313	1.63539e-4	1.32498		PCB 1016 Peak 2
9.542	1	MV	7698.45361	1.80090e-4	1.38641		PCB 1016 Peak 3
11.962	1	VV	1.85385e4	7.72762e-5	1.43259		PCB 1260 Peak 1
12.541	1	VV	2.26723e4	6.29061e-5	1.42623		PCB 1260 Peak 2
13.696	1	VV	2.98003e4	4.69357e-5	1.39870		PCB 1260 Peak 3
16.985	1	MM	4.67247e4	5.60687e-6	2.61979e-1		DCBP

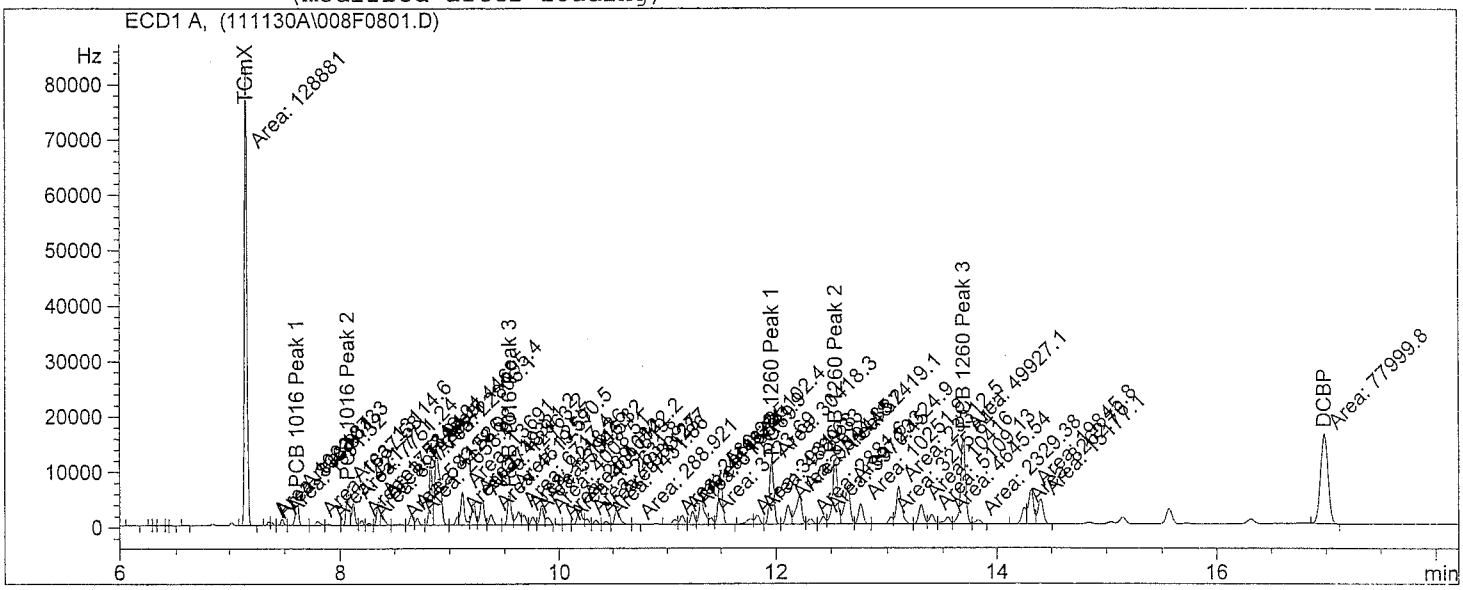
```
Totals :                                   8.82024

 Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
```

*** End of Report ***

Injection Date	: 11/30/2011 8:37:28 PM	Seq. Line	: 8
Sample Name	: 16/60 ICAL 2.00	Location	: Vial 8
Acq. Operator	: M.Miller/E.Farmen	Inj	: 1
Acq. Instrument	: Micro ECD 1	Inj Volume	: 1 µl
Acq. Method	: C:\HPCHEM\1\METHODS\UECD.M		
Last changed	: 11/18/2011 4:01:22 PM by M.Miller/E.Farmen		
Analysis Method	: C:\HPCHEM\1\METHODS\P113011.M		
Last changed	: 12/1/2011 8:25:58 AM by M.Miller/E.Farmen (modified after loading)		



External Standard Report

Sorted By	:	Retention Time
Calib. Data Modified	:	Thursday, December 01, 2011 8:25:57 AM
Multiplier	:	1.0000
Dilution	:	1.0000

Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.153	1	MM	1.28881e5	3.32200e-6	4.28142e-1		TCmX
7.611	1	VV	1.07330e4	1.97492e-4	2.11969		PCB 1016 Peak 1
8.072	1	VV	1.31146e4	1.62863e-4	2.13588		PCB 1016 Peak 2
9.541	1	VV	1.25905e4	1.78357e-4	2.24560		PCB 1016 Peak 3
11.962	1	VV	3.04183e4	7.55957e-5	2.29949		PCB 1260 Peak 1
12.540	1	VV	3.74191e4	6.14183e-5	2.29822		PCB 1260 Peak 2
13.693	1	VV	4.99271e4	4.57951e-5	2.28642		PCB 1260 Peak 3
16.979	1	MM	7.79998e4	5.52503e-6	4.30951e-1		DCBP
Totals :					14.24439		

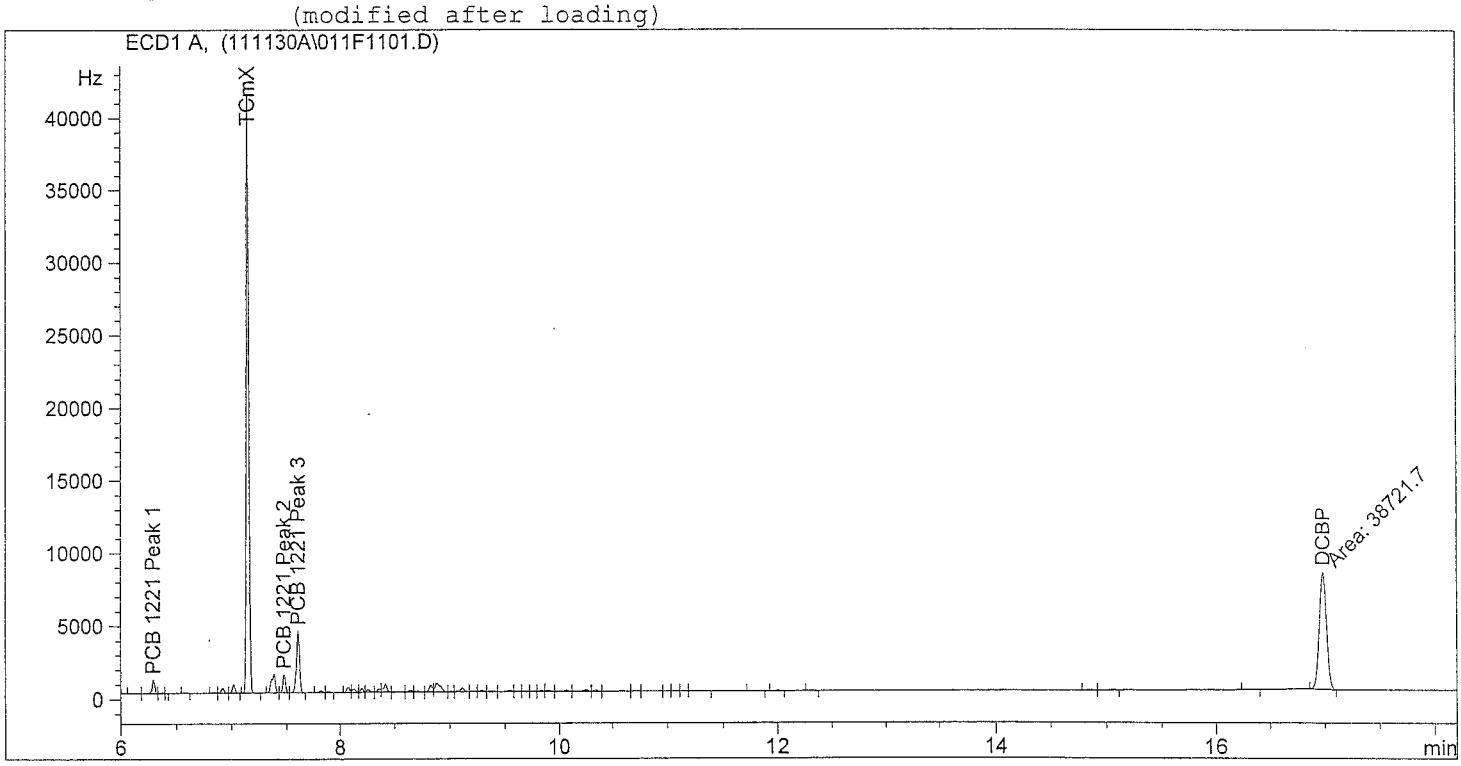
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

*** End of Report ***

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```
Injection Date  : 11/30/2011 9:46:44 PM          Seq. Line :  11
Sample Name     : 1221 ICAL 1.00                  Location : Vial 11
Acq. Operator   : M.Miller/E.Farmen                   Inj :   1
Acq. Instrument : Micro ECD 1                  Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\UECD.M
Last changed    : 11/18/2011 4:01:22 PM by M.Miller/E.Farmen
Analysis Method : C:\HPCHEM\1\METHODS\1221SPT.M
Last changed    : 12/1/2011 8:37:42 AM by M.Miller/E.Farmen
                  (modified after loading)
```



External Standard Report

```
Sorted By             :      Retention Time
Calib. Data Modified  :      Thursday, December 01, 2011 8:37:41 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,
```

RetTime [min]	Sig	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
6.300	1	VV	1487.49011	6.72273e-4	1.00000		PCB 1221 Peak 1
7.154	1	VB S	6.43353e4	3.10871e-6	2.00000e-1		TCmX
7.478	1	VV	2152.91138	4.64487e-4	1.00000		PCB 1221 Peak 2
7.612	1	VB S	8410.85937	1.18894e-4	1.00000		PCB 1221 Peak 3
16.981	1	MM	3.87217e4	5.16507e-6	2.00000e-1		DCBP

```
Totals :                                    3.40000

 Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
```

*** End of Report ***

12/1

Calibration Table

Calib. Data Modified : Thursday, December 01, 2011 8:37:41 AM

Calculate : External Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Do not use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal 1: ECD1 A,

RetTime [min]	Sig	Lvl	Amount [ng/ul]	Area	Amt/Area	Ref	Grp	Name
6.300	1	6	1.00000	1487.49011	6.72273e-4			PCB 1221 Peak 1
7.154	1	6	2.00000e-1	6.43353e4	3.10871e-6			TCmX
7.478	1	6	1.00000	2152.91138	4.64487e-4			PCB 1221 Peak 2
7.612	1	6	1.00000	8410.85937	1.18894e-4			PCB 1221 Peak 3
16.981	1	6	2.00000e-1	3.87217e4	5.16507e-6			DCBP

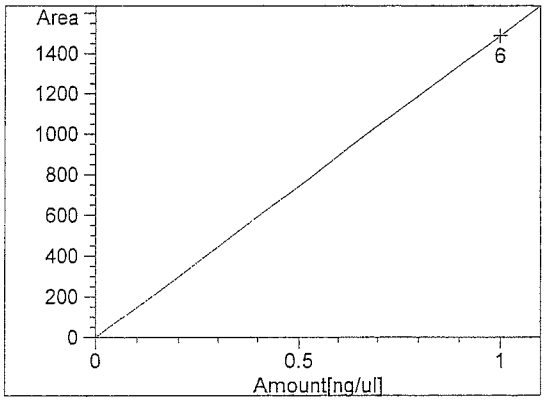
2 Warnings or Errors :

Warning : Overlapping peak time windows at 7.154 min, signal 1
Warning : Overlapping peak time windows at 7.478 min, signal 1

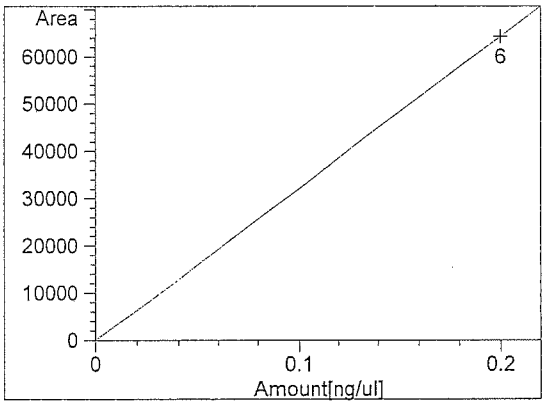
Peak Sum Table

No Entries in table

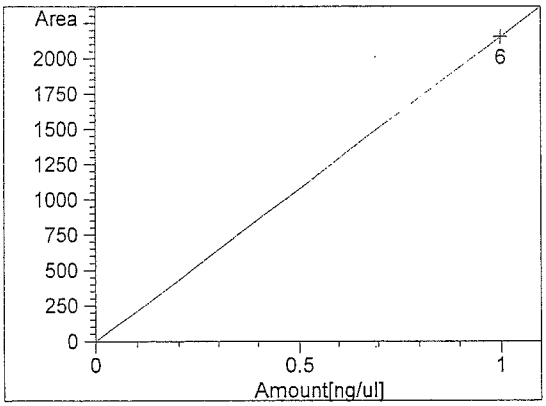
Calibration Curves



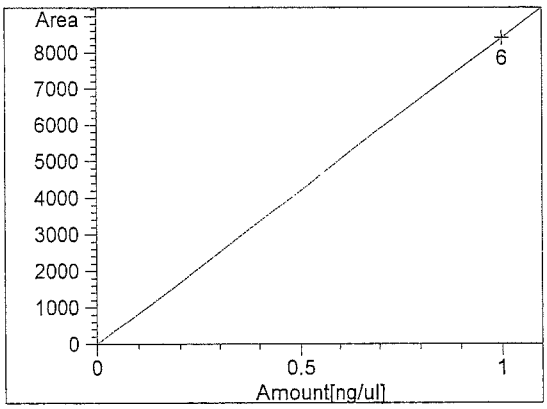
PCB 1221 Peak 1 at exp. RT: 6.300
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1487.49011
b: 0.00000
x: Amount[ng/ul]
y: Area



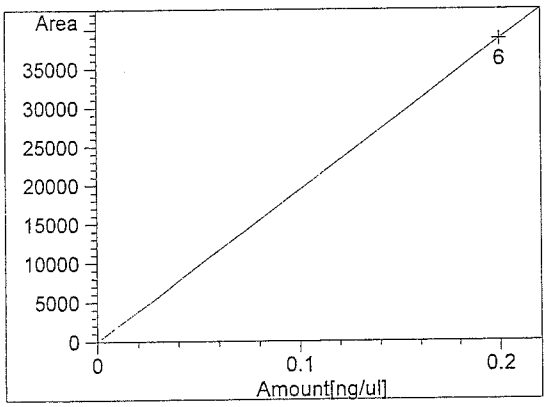
TCmX at exp. RT: 7.154
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 321676.67969
b: 5.29021e-12
x: Amount[ng/ul]
y: Area



PCB 1221 Peak 2 at exp. RT: 7.478
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 2152.91138
b: 0.00000
x: Amount[ng/ul]
y: Area



PCB 1221 Peak 3 at exp. RT: 7.612
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8410.85937
b: 0.00000
x: Amount[ng/ul]
y: Area

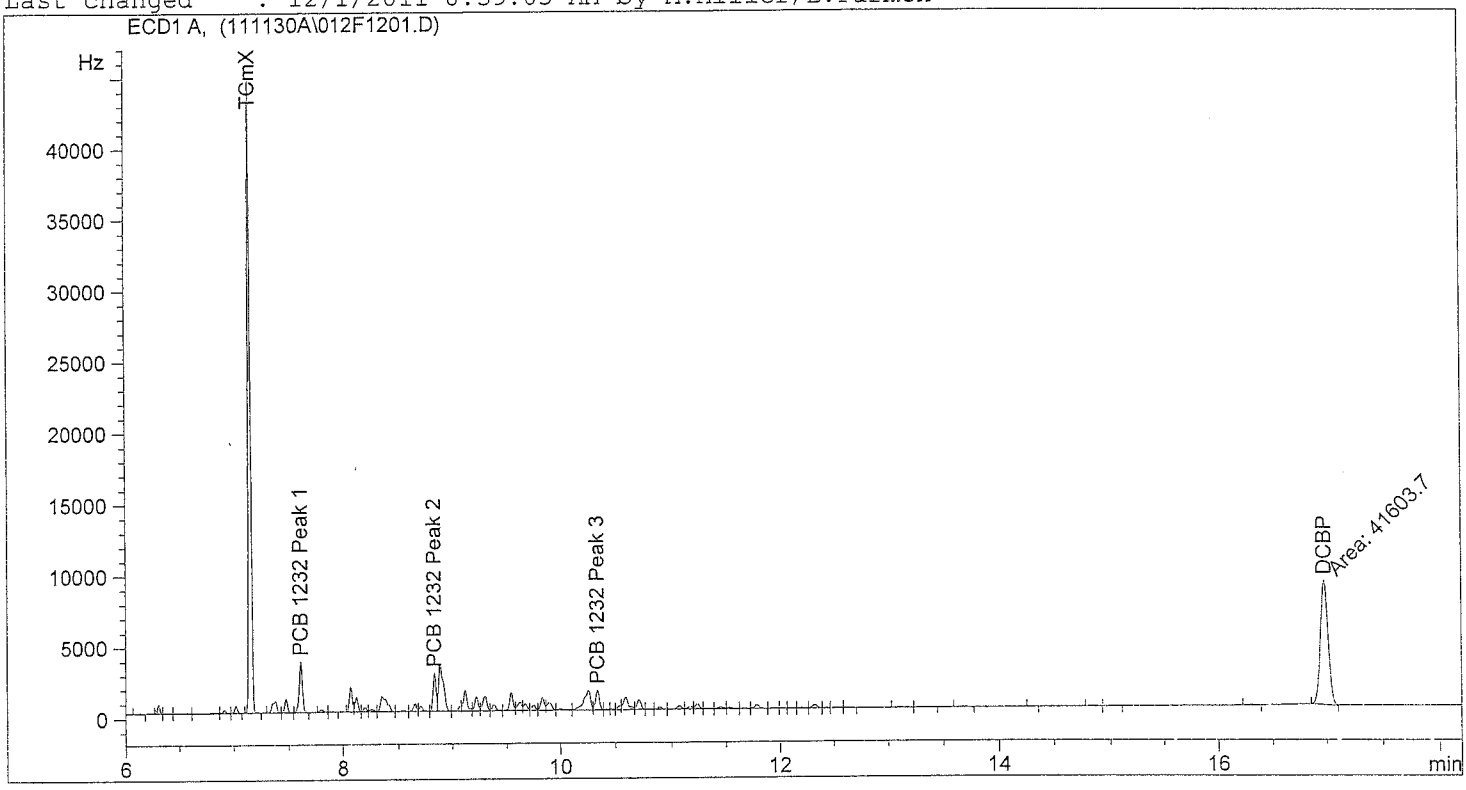


DCBP at exp. RT: 16.981
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 193608.37891
b: 4.46310e-12
x: Amount[ng/ul]
y: Area

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12/1

Injection Date : 11/30/2011 10:09:43 PM Seq. Line : 12
Sample Name : 1232 ICAL 1.00 Location : Vial 12
Acq. Operator : M.Miller/E.Farmen Inj : 1
Acq. Instrument : Micro ECD 1 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\UECD.M
Last changed : 11/18/2011 4:01:22 PM by M.Miller/E.Farmen
Analysis Method : C:\HPCHEM\1\METHODS\1232SPT.M
Last changed : 12/1/2011 8:39:03 AM by M.Miller/E.Farmen



External Standard Report

Sorted By : Retention Time
Calib. Data Modified : Thursday, December 01, 2011 8:38:49 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.153	1	PB S	6.89251e4	2.90170e-6	2.00000e-1		TCmX
7.611	1	VB	7015.77881	1.42536e-4	1.00000		PCB 1232 Peak 1
8.832	1	VV	5350.65723	1.86893e-4	1.00000		PCB 1232 Peak 2
10.343	1	VV	3424.59692	2.92005e-4	1.00000		PCB 1232 Peak 3
16.979	1	MM	4.16037e4	4.80726e-6	2.00000e-1		DCBP
Totals :					3.40000		

Results obtained with enhanced integrator!

*** End of Report ***

12/1

Calibration Table

Calib. Data Modified : Thursday, December 01, 2011 8:38:49 AM

Calculate : External Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Do not use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

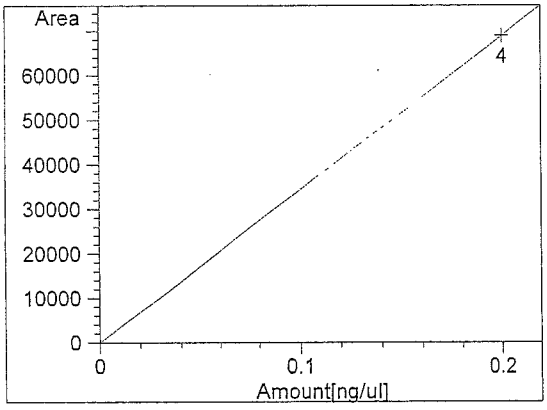
Signal 1: ECD1 A,

RetTime [min]	Sig	Lvl	Amount [ng/ul]	Area	Amt/Area	Ref	Grp	Name
7.153	1	4	2.00000e-1	6.89251e4	2.90170e-6			TCmX
7.611	1	4	1.00000	7015.77881	1.42536e-4			PCB 1232 Peak 1
8.832	1	4	1.00000	5350.65723	1.86893e-4			PCB 1232 Peak 2
10.343	1	4	1.00000	3424.59692	2.92005e-4			PCB 1232 Peak 3
16.979	1	4	2.00000e-1	4.16037e4	4.80726e-6			DCBP

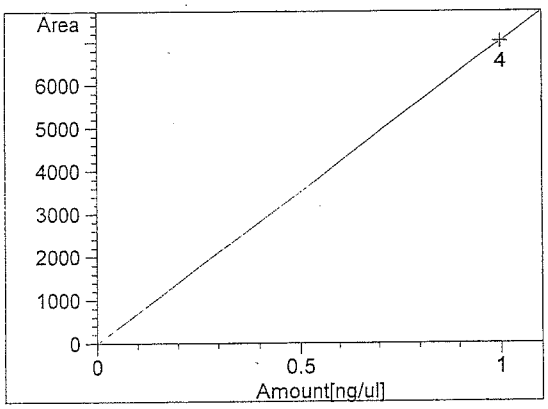
Peak Sum Table

No Entries in table

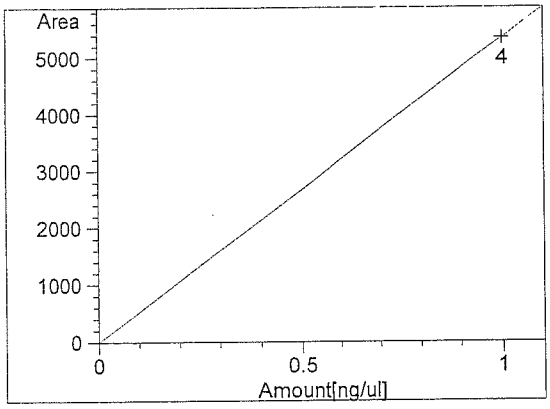
Calibration Curves



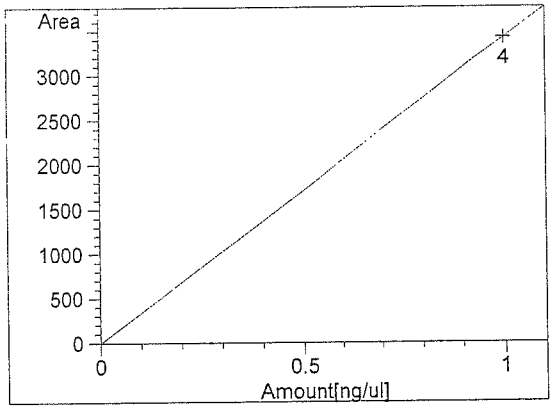
TCmX at exp. RT: 7.153
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 344625.66406
b: 4.10783e-12
x: Amount[ng/ul]
y: Area



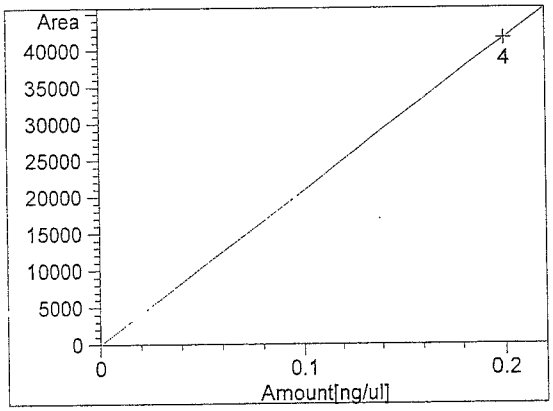
PCB 1232 Peak 1 at exp. RT: 7.611
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 7015.77881
b: 0.00000
x: Amount[ng/ul]
y: Area



PCB 1232 Peak 2 at exp. RT: 8.832
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 5350.65723
b: 0.00000
x: Amount[ng/ul]
y: Area



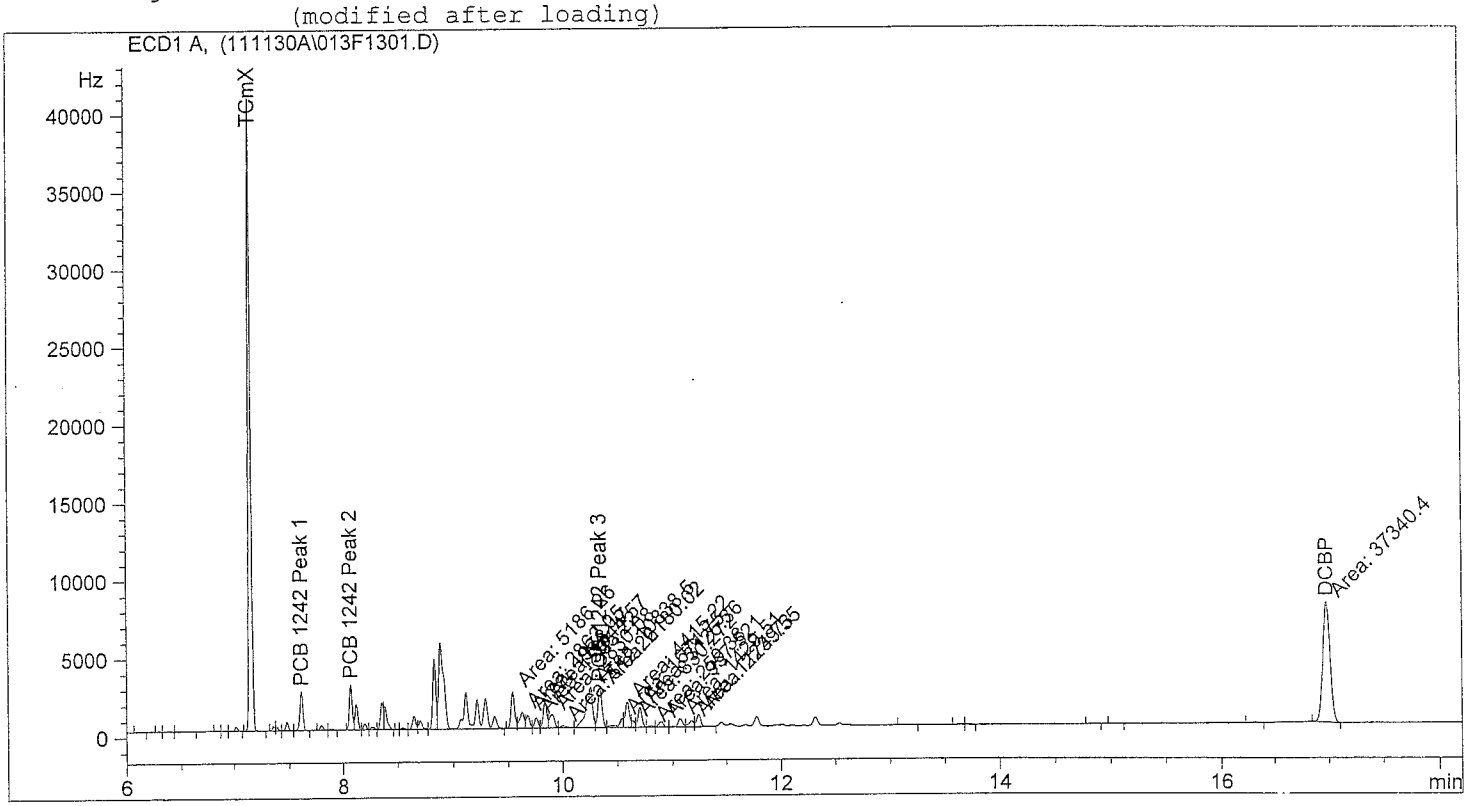
PCB 1232 Peak 3 at exp. RT: 10.343
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 3424.59692
b: 0.00000
x: Amount[ng/ul]
y: Area



DCBP at exp. RT: 16.979
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 208018.65234
b: 5.77594e-12
x: Amount[ng/ul]
y: Area

12/1

Injection Date : 11/30/2011 10:32:37 PM Seq. Line : 13
Sample Name : 1242 ICAL 1.00 Location : Vial 13
Acq. Operator : M.Miller/E.Farmen Inj : 1
Acq. Instrument : Micro ECD 1 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\UECD.M
Last changed : 11/18/2011 4:01:22 PM by M.Miller/E.Farmen
Analysis Method : C:\HPCHEM\1\METHODS\1242SPT.M
Last changed : 12/1/2011 8:40:34 AM by M.Miller/E.Farmen
(modified after loading)



External Standard Report

Sorted By : Retention Time
Calib. Data Modified : Thursday, December 01, 2011 8:40:34 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.153	1	VB S	6.34927e4	3.14997e-6	2.00000e-1		TCmX
7.611	1	VP	4750.58691	2.10500e-4	1.00000		PCB 1242 Peak 1
8.071	1	BV	5369.22852	1.86246e-4	1.00000		PCB 1242 Peak 2
10.343	1	VV	6180.01611	1.61812e-4	1.00000		PCB 1242 Peak 3
16.976	1	MM	3.73404e4	5.35612e-6	2.00000e-1		DCBP

Totals : 3.40000

Results obtained with enhanced integrator!

*** End of Report ***

12/1

Calibration Table

Calib. Data Modified : Thursday, December 01, 2011 8:40:34 AM

Calculate : External Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Do not use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

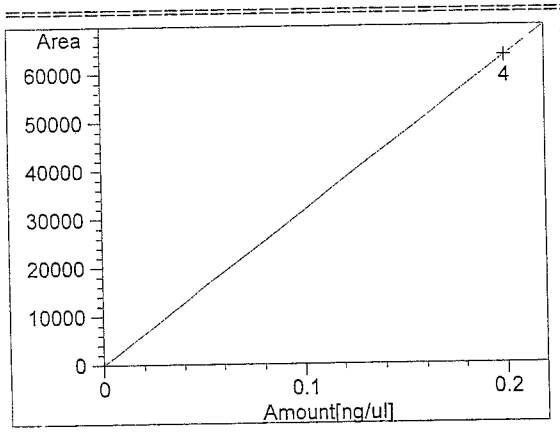
Signal 1: ECD1 A,

RetTime [min]	Sig	Lvl	Amount [ng/ul]	Area	Amt/Area	Ref Grp	Name
7.153	1	4	2.00000e-1	6.34927e4	3.14997e-6		TCmX
7.611	1	4	1.00000	4750.58691	2.10500e-4		PCB 1242 Peak 1
8.071	1	4	1.00000	5369.22852	1.86246e-4		PCB 1242 Peak 2
10.343	1	4	1.00000	6180.01611	1.61812e-4		PCB 1242 Peak 3
16.976	1	4	2.00000e-1	3.73404e4	5.35612e-6		DCBP

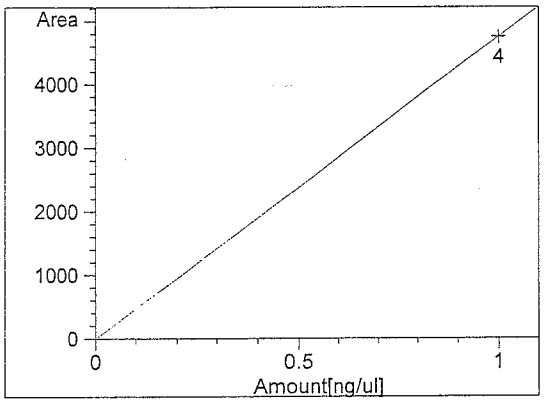
Peak Sum Table

No Entries in table

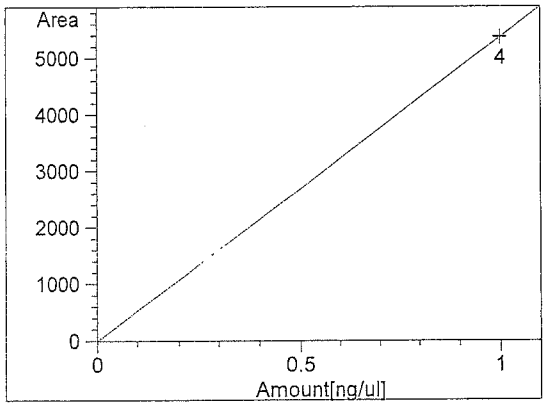
Calibration Curves



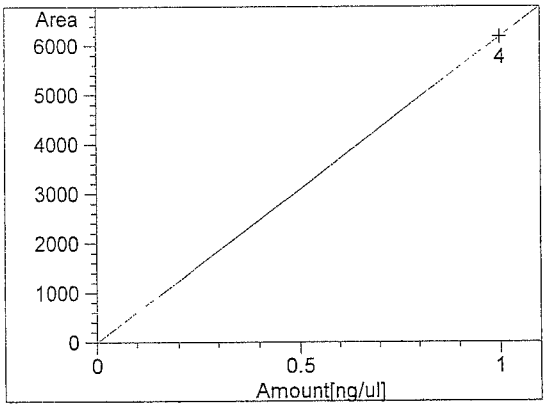
TCmX at exp. RT: 7.153
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 317463.55469
b: 3.35287e-12
x: Amount[ng/ul]
y: Area



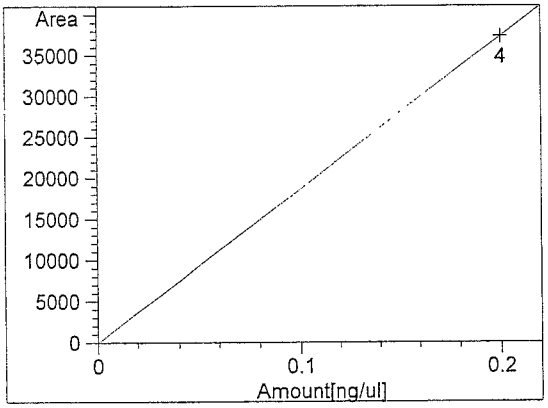
PCB 1242 Peak 1 at exp. RT: 7.611
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 4750.58691
b: 0.00000
x: Amount[ng/ul]
y: Area



PCB 1242 Peak 2 at exp. RT: 8.071
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 5369.22852
b: 0.00000
x: Amount[ng/ul]
y: Area



PCB 1242 Peak 3 at exp. RT: 10.343
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 6180.01611
b: 0.00000
x: Amount[ng/ul]
y: Area

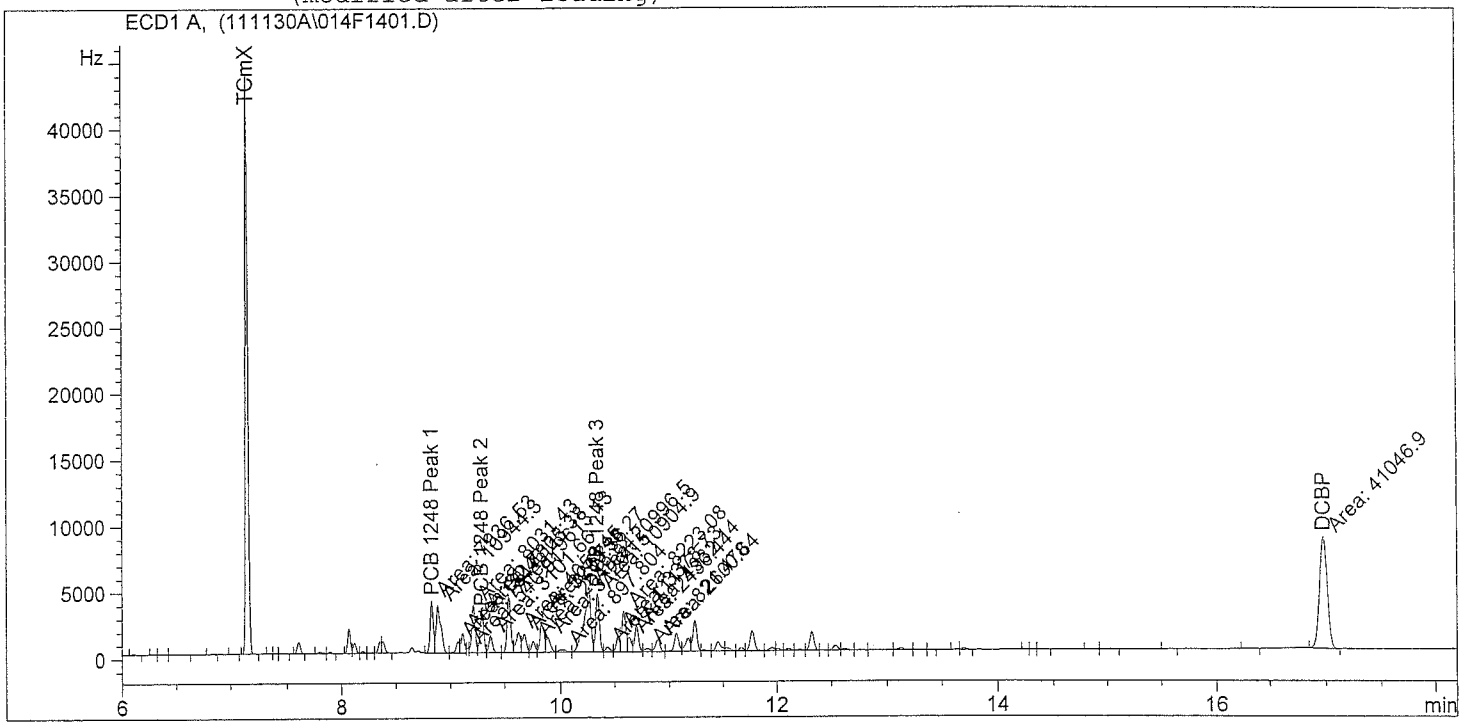


DCBP at exp. RT: 16.976
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 186702.22656
b: 4.27158e-12
x: Amount[ng/ul]
y: Area

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12/1

Injection Date : 11/30/2011 10:55:58 PM Seq. Line : 14
Sample Name : 1248 ICAL 1.00 Location : Vial 14
Acq. Operator : M.Miller/E.Farmen Inj : 1
Acq. Instrument : Micro ECD 1 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\UECD.M
Last changed : 11/18/2011 4:01:22 PM by M.Miller/E.Farmen
Analysis Method : C:\HPCHEM\1\METHODS\1248SPT.M
Last changed : 12/1/2011 8:42:46 AM by M.Miller/E.Farmen
(modified after loading)



External Standard Report

Sorted By : Retention Time
Calib. Data Modified : Thursday, December 01, 2011 8:42:45 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.153	1	VB S	6.84123e4	2.92345e-6	2.00000e-1		TCmX
8.832	1	MV	7936.53418	1.26000e-4	1.00000		PCB 1248 Peak 1
9.296	1	VV	7805.37793	1.28117e-4	1.00000		PCB 1248 Peak 2
10.342	1	VV	1.09049e4	9.17015e-5	1.00000		PCB 1248 Peak 3
16.975	1	MM	4.10469e4	4.87248e-6	2.00000e-1		DCBP

Totals : 3.40000

Results obtained with enhanced integrator!

*** End of Report ***

12/1

Calibration Table

Calib. Data Modified : Thursday, December 01, 2011 8:42:45 AM

Calculate : External Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Do not use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

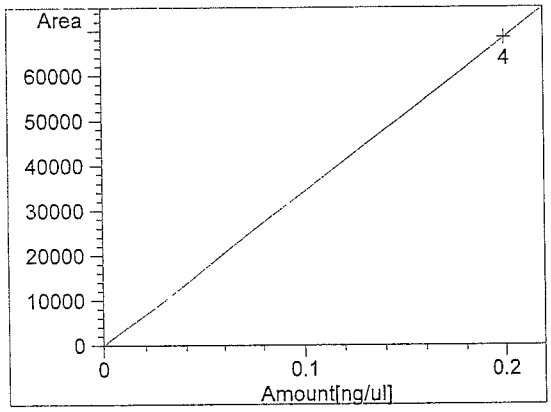
Signal 1: ECD1 A,

RetTime [min]	Sig	Lvl	Amount [ng/ul]	Area	Amt/Area	Ref	Grp	Name
7.153	1	4	2.00000e-1	6.84123e4	2.92345e-6			TCmX
8.832	1	4	1.00000	7936.53418	1.26000e-4			PCB 1248 Peak 1
9.296	1	4	1.00000	7805.37793	1.28117e-4			PCB 1248 Peak 2
10.342	1	4	1.00000	1.09049e4	9.17015e-5			PCB 1248 Peak 3
16.975	1	4	2.00000e-1	4.10469e4	4.87248e-6			DCBP

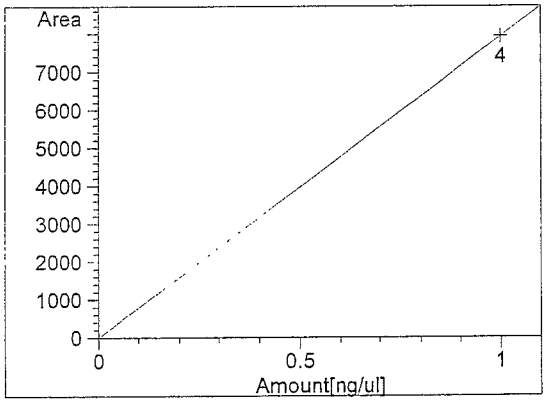
Peak Sum Table

No Entries in table

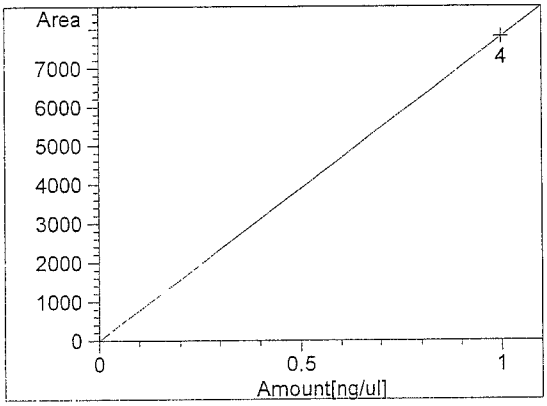
Calibration Curves



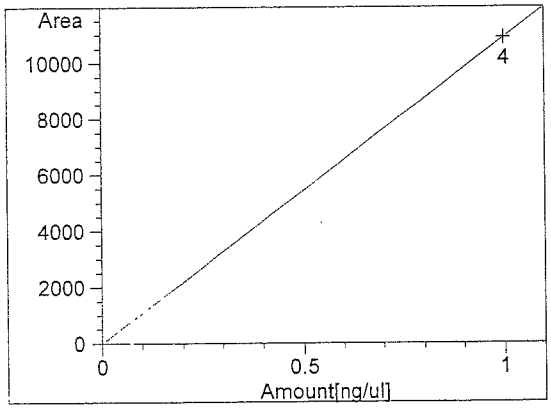
TCmX at exp. RT: 7.153
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 342061.71875
b: 9.49241e-12
x: Amount[ng/ul]
y: Area



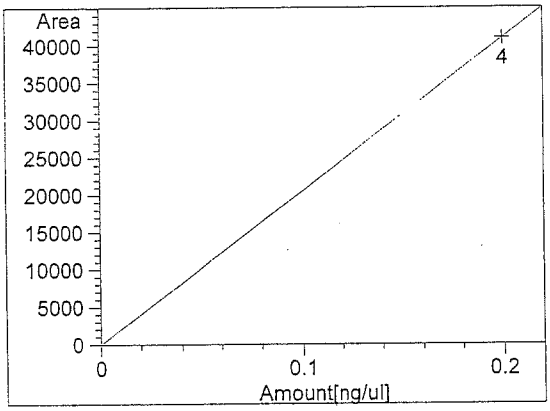
PCB 1248 Peak 1 at exp. RT: 8.832
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 7936.53418
b: 0.00000
x: Amount[ng/ul]
y: Area



PCB 1248 Peak 2 at exp. RT: 9.296
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 7805.37793
b: 0.00000
x: Amount[ng/ul]
y: Area



PCB 1248 Peak 3 at exp. RT: 10.342
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 10904.94336
b: 0.00000
x: Amount[ng/ul]
y: Area

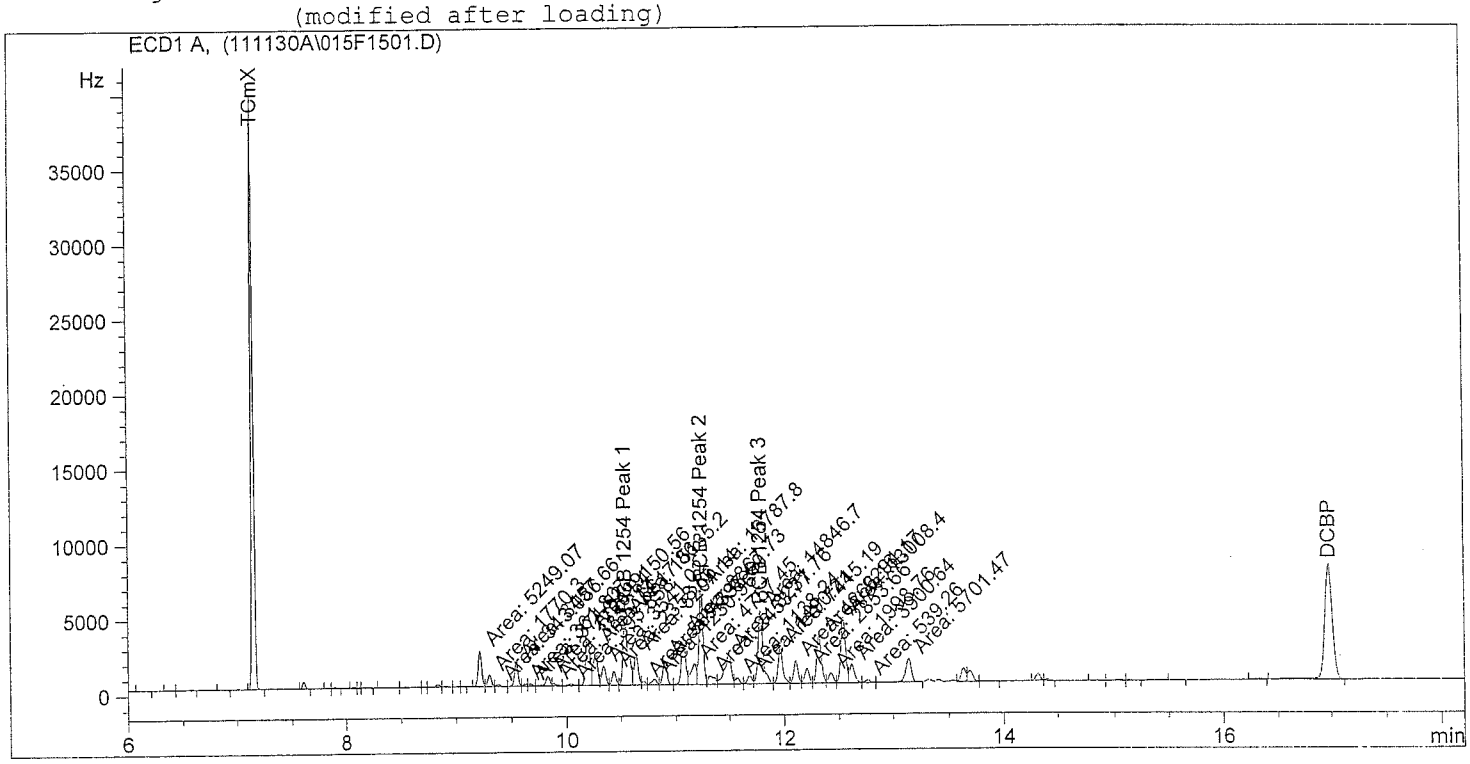


DCBP at exp. RT: 16.975
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 205234.33594
b: 3.87745e-12
x: Amount[ng/ul]
y: Area

==========

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Injection Date : 11/30/2011 11:19:22 PM Seq. Line : 15
Sample Name : 1254 ICAL 1.00 Location : Vial 15
Acq. Operator : M.Miller/E.Farmen Inj : 1
Acq. Instrument : Micro ECD 1 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\UECD.M
Last changed : 11/18/2011 4:01:22 PM by M.Miller/E.Farmen
Analysis Method : C:\HPCHEM\1\METHODS\1254SPT.M
Last changed : 12/1/2011 8:44:09 AM by M.Miller/E.Farmen
(modified after loading)



External Standard Report

Sorted By : Retention Time
Calib. Data Modified : Thursday, December 01, 2011 8:44:08 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.154	1	PB S	6.13975e4	3.25746e-6	2.00000e-1		TCmX
10.539	1	VV	1.51352e4	6.60710e-5	1.00000		PCB 1254 Peak 1
11.238	1	VV	1.67878e4	5.95669e-5	1.00000		PCB 1254 Peak 2
11.779	1	VV	1.48467e4	6.73552e-5	1.00000		PCB 1254 Peak 3
16.979	1	VBA	3.77665e4	5.29570e-6	2.00000e-1		DCBP
Totals :					3.40000		

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

*** End of Report ***

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Calibration Table

Calib. Data Modified : Thursday, December 01, 2011 8:44:08 AM

Calculate : External Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Do not use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal 1: ECD1 A,

RetTime [min]	Sig	Lvl	Amount [ng/ul]	Area	Amt/Area	Ref	Grp	Name
7.154	1	4	2.00000e-1	6.13975e4	3.25746e-6			TCmX
10.539	1	4	1.00000	1.51352e4	6.60710e-5			PCB 1254 Peak 1
11.238	1	4	1.00000	1.67878e4	5.95669e-5			PCB 1254 Peak 2
11.779	1	4	1.00000	1.48467e4	6.73552e-5			PCB 1254 Peak 3
16.979	1	4	2.00000e-1	3.77665e4	5.29570e-6			DCBP

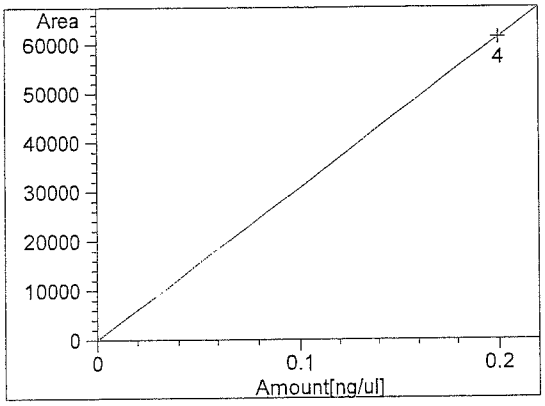
1 Warnings or Errors :

Warning : Overlapping peak time windows at 11.238 min, signal 1

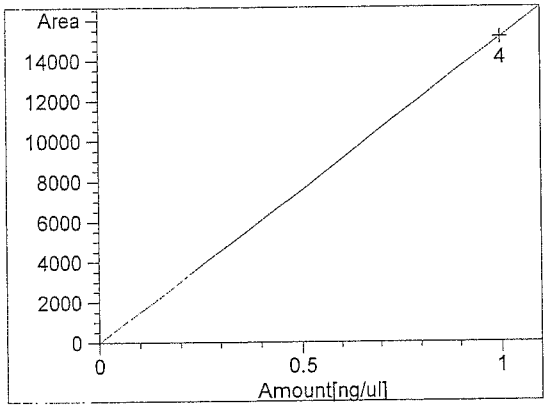
Peak Sum Table

No Entries in table

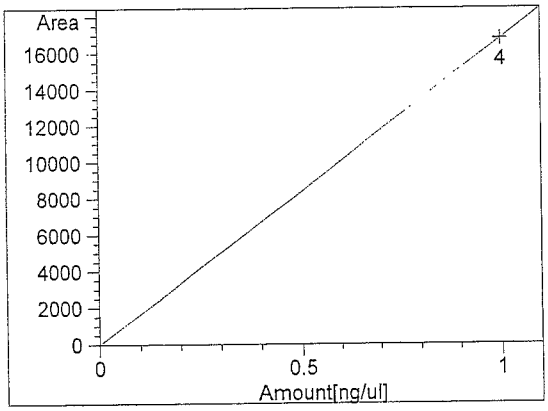
Calibration Curves



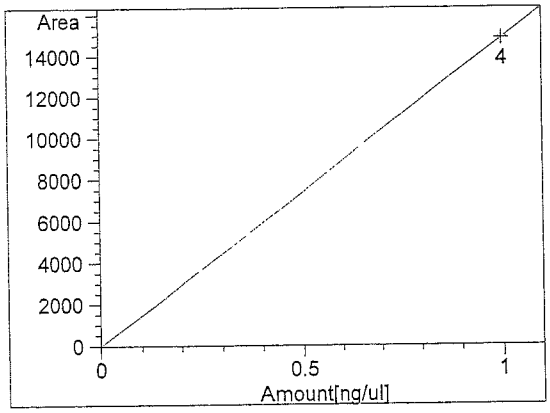
TCmX at exp. RT: 7.154
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 306987.61719
b: 4.87943e-12
x: Amount[ng/ul]
y: Area



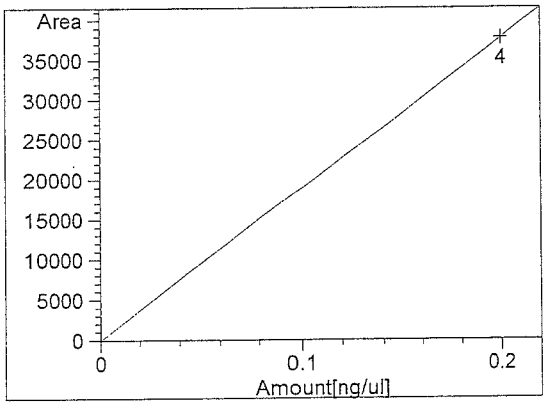
PCB 1254 Peak 1 at exp. RT: 10.539
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 15135.23633
b: 0.00000
x: Amount[ng/ul]
y: Area



PCB 1254 Peak 2 at exp. RT: 11.238
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 16787.83594
b: 0.00000
x: Amount[ng/ul]
y: Area



PCB 1254 Peak 3 at exp. RT: 11.779
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 14846.66113
b: 0.00000
x: Amount[ng/ul]
y: Area



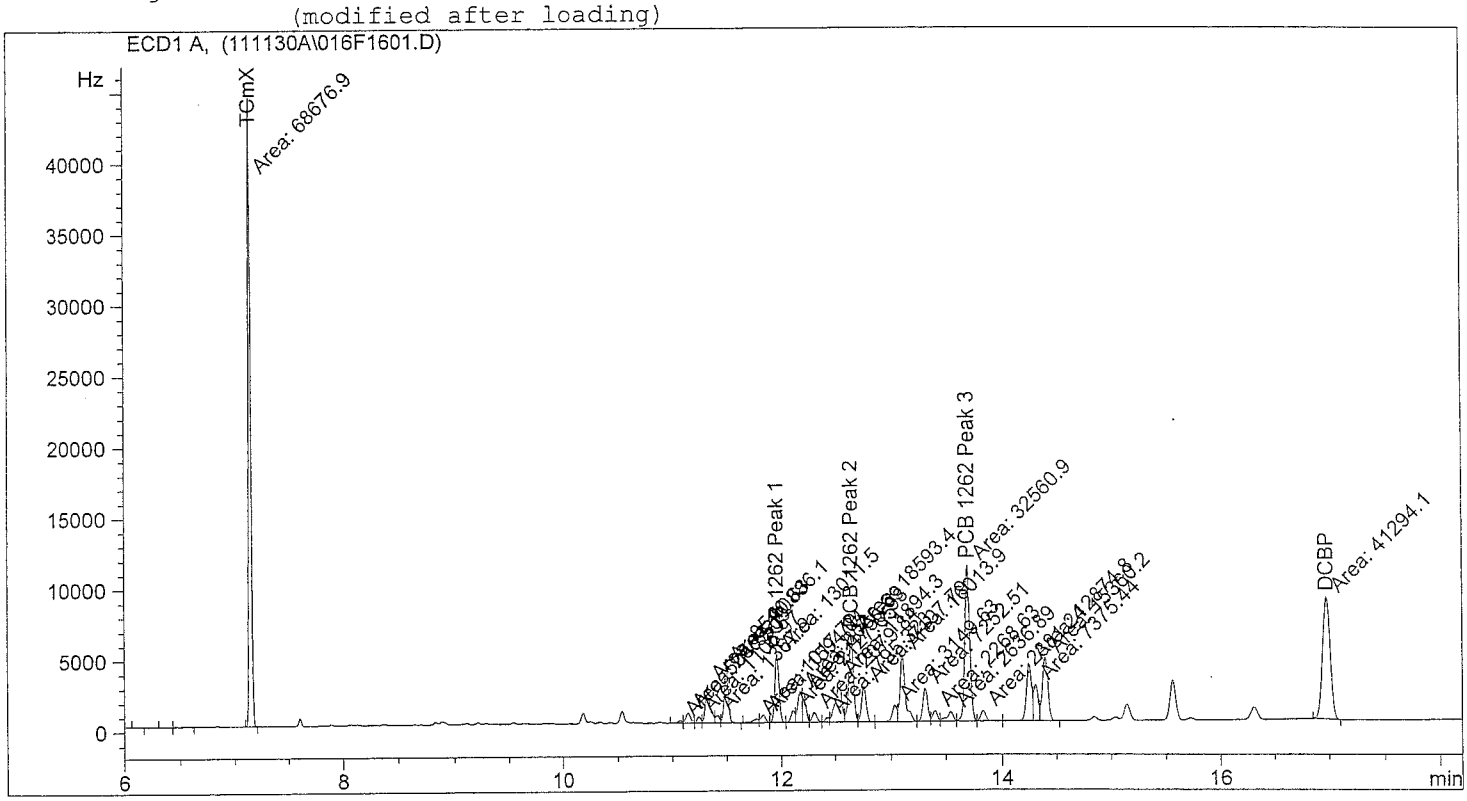
DCBP at exp. RT: 16.979
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 188832.50000
b: 4.32987e-12
x: Amount[ng/ul]
y: Area

==========

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```
Injection Date  : 11/30/2011 11:42:14 PM        Seq. Line :  16
Sample Name     : 1262 ICAL 1.00                 Location : Vial 16
Acq. Operator   : M.Miller/E.Farmen                  Inj :   1
Acq. Instrument : Micro ECD 1                  Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\UECD.M
Last changed    : 11/18/2011 4:01:22 PM by M.Miller/E.Farmen
Analysis Method : C:\HPCHEM\1\METHODS\1262SPT.M
Last changed    : 12/1/2011 8:45:53 AM by M.Miller/E.Farmen
                  (modified after loading)
```



External Standard Report

```
Sorted By             :      Retention Time
Calib. Data Modified  :      Thursday, December 01, 2011 8:45:53 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,
```

RetTime [min]	Sig	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.153	1	MM	6.86769e4	2.91219e-6	2.00000e-1		TCmX
11.960	1	VV	1.30115e4	7.68553e-5	1.00000		PCB 1262 Peak 1
12.650	1	VV	1.85934e4	5.37826e-5	1.00000		PCB 1262 Peak 2
13.692	1	VV	3.25609e4	3.07116e-5	1.00000		PCB 1262 Peak 3
16.976	1	MM	4.12941e4	4.84331e-6	2.00000e-1		DCBP

```
Totals :                                  3.40000

 Results obtained with enhanced integrator!
```

*** End of Report ***

(M) 12/1

Calibration Table

Calib. Data Modified : Thursday, December 01, 2011 8:45:53 AM

Calculate : External Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Do not use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

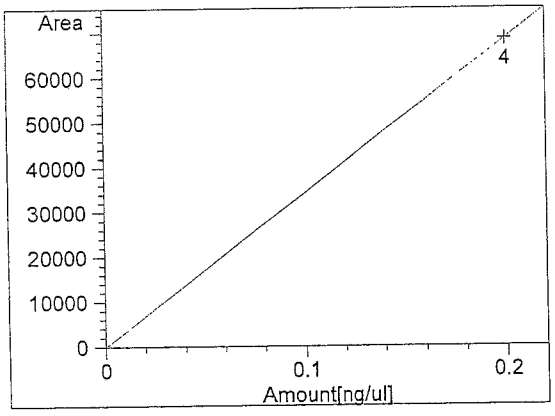
Signal 1: ECD1 A,

RetTime [min]	Lvl Sig	Amount [ng/ul]	Area	Amt/Area	Ref	Grp	Name
7.153	1 4	2.00000e-1	6.86769e4	2.91219e-6			TCmX
11.960	1 4	1.00000	1.30115e4	7.68553e-5			PCB 1262 Peak 1
12.650	1 4	1.00000	1.85934e4	5.37826e-5			PCB 1262 Peak 2
13.692	1 4	1.00000	3.25609e4	3.07116e-5			PCB 1262 Peak 3
16.976	1 4	2.00000e-1	4.12941e4	4.84331e-6			DCBP

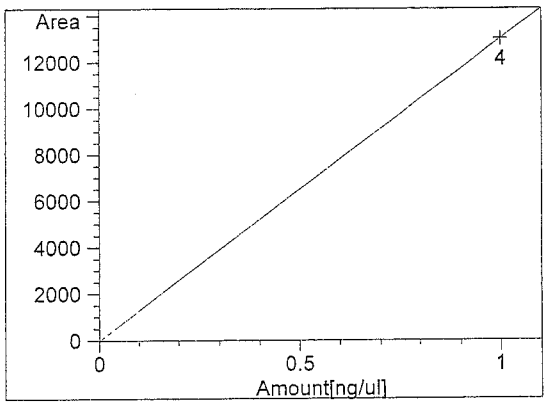
Peak Sum Table

No Entries in table

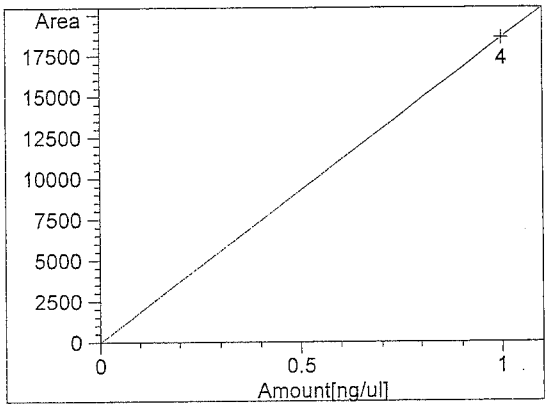
Calibration Curves



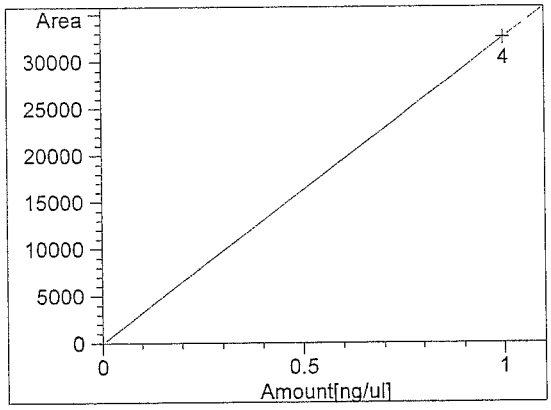
TCmX at exp. RT: 7.153
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 343384.53125
b: 7.71050e-12
x: Amount[ng/ul]
y: Area



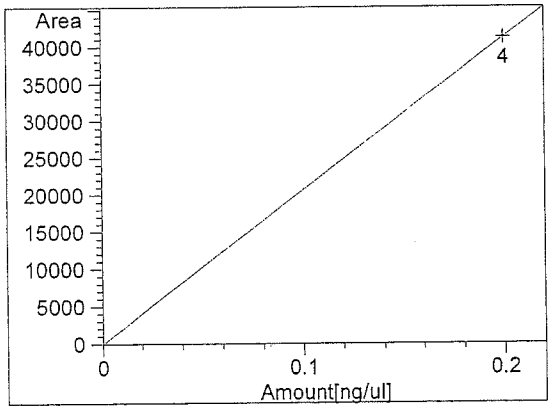
PCB 1262 Peak 1 at exp. RT: 11.960
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 13011.47266
b: 0.00000
x: Amount[ng/ul]
y: Area



PCB 1262 Peak 2 at exp. RT: 12.650
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 18593.37500
b: 0.00000
x: Amount[ng/ul]
y: Area



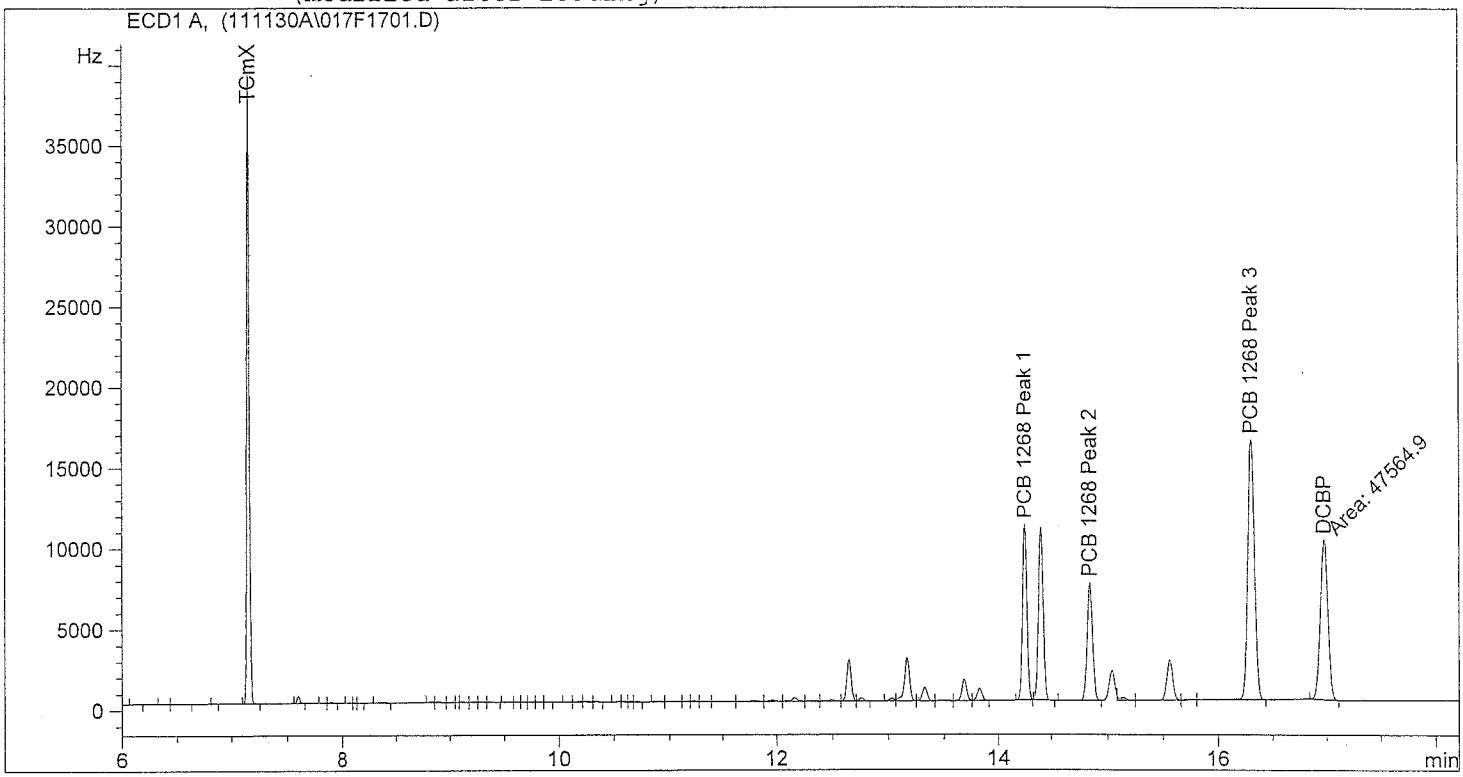
PCB 1262 Peak 3 at exp. RT: 13.692
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 32560.93945
b: 0.00000
x: Amount[ng/ul]
y: Area



DCBP at exp. RT: 16.976
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 206470.27344
b: 3.91076e-12
x: Amount[ng/ul]
y: Area

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```
Injection Date  : 12/1/2011 12:05:07 AM          Seq. Line :  17
Sample Name     : 1268 ICAL 1.00                 Location : Vial 17
Acq. Operator   : M.Miller/E.Farmen                  Inj :   1
Acq. Instrument : Micro ECD 1                 Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\UECD.M
Last changed    : 11/18/2011 4:01:22 PM by M.Miller/E.Farmen
Analysis Method : C:\HPCHEM\1\METHODS\1268SPT.M
Last changed    : 12/1/2011 8:47:38 AM by M.Miller/E.Farmen
                  (modified after loading)
```



External Standard Report

```
Sorted By             :      Retention Time
Calib. Data Modified  :      Thursday, December 01, 2011 8:47:36 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,
```

RetTime [min]	Sig	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.152	1	PB S	6.03062e4	3.31641e-6	2.00000e-1		TCmX
14.251	1	PB S	3.27188e4	3.05635e-5	1.00000		PCB 1268 Peak 1
14.846	1	BB S	2.45553e4	4.07244e-5	1.00000		PCB 1268 Peak 2
16.308	1	VBA	6.98694e4	1.43124e-5	1.00000		PCB 1268 Peak 3
16.976	1	MM	4.75649e4	4.20478e-6	2.00000e-1		DCBP
Totals :					3.40000		

```
 Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
```

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Calibration Table

Calib. Data Modified : Thursday, December 01, 2011 8:47:36 AM

Calculate : External Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Do not use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal 1: ECD1 A,

RetTime [min]	Sig	Lvl	Amount [ng/ul]	Area	Amt/Area	Ref	Grp	Name
7.152	1	4	2.00000e-1	6.03062e4	3.31641e-6			TCmX
14.251	1	4	1.00000	3.27188e4	3.05635e-5			PCB 1268 Peak 1
14.846	1	4	1.00000	2.45553e4	4.07244e-5			PCB 1268 Peak 2
16.308	1	4	1.00000	6.98694e4	1.43124e-5			PCB 1268 Peak 3
16.976	1	4	2.00000e-1	4.75649e4	4.20478e-6			DCBP

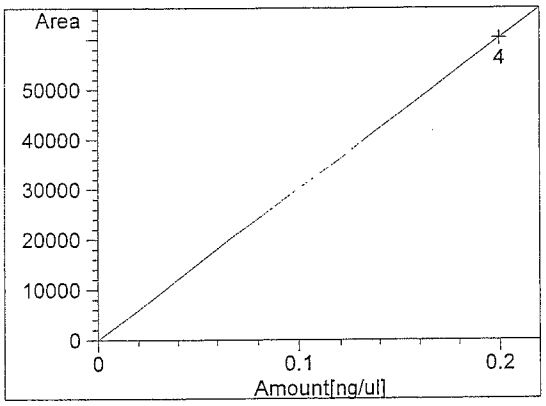
2 Warnings or Errors :

Warning : Overlapping peak time windows at 14.251 min, signal 1
Warning : Overlapping peak time windows at 16.308 min, signal 1

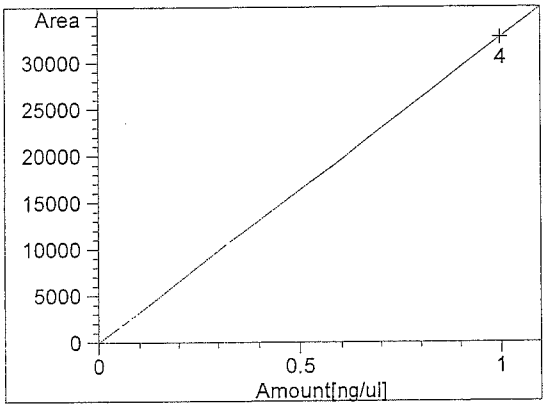
Peak Sum Table

No Entries in table

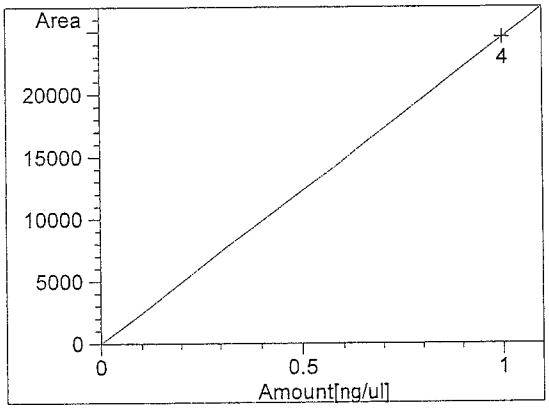
Calibration Curves



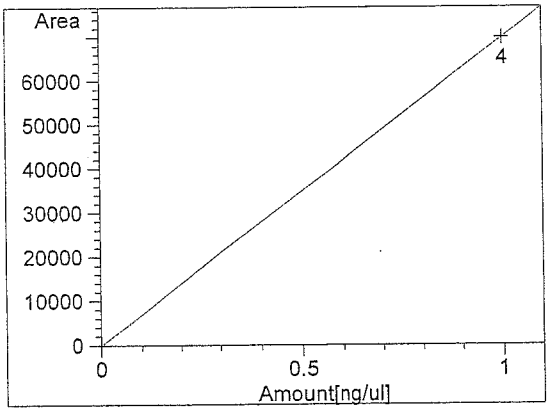
TCmX at exp. RT: 7.152
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 301530.97656
b: 4.73510e-12
x: Amount[ng/ul]
y: Area



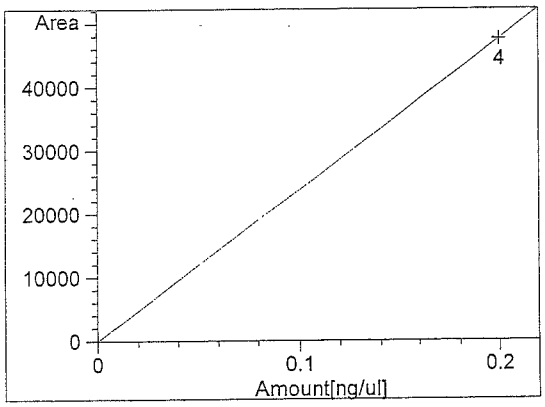
PCB 1268 Peak 1 at exp. RT: 14.251
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 32718.75000
b: 0.00000
x: Amount[ng/ul]
y: Area



PCB 1268 Peak 2 at exp. RT: 14.846
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 24555.28125
b: 0.00000
x: Amount[ng/ul]
y: Area



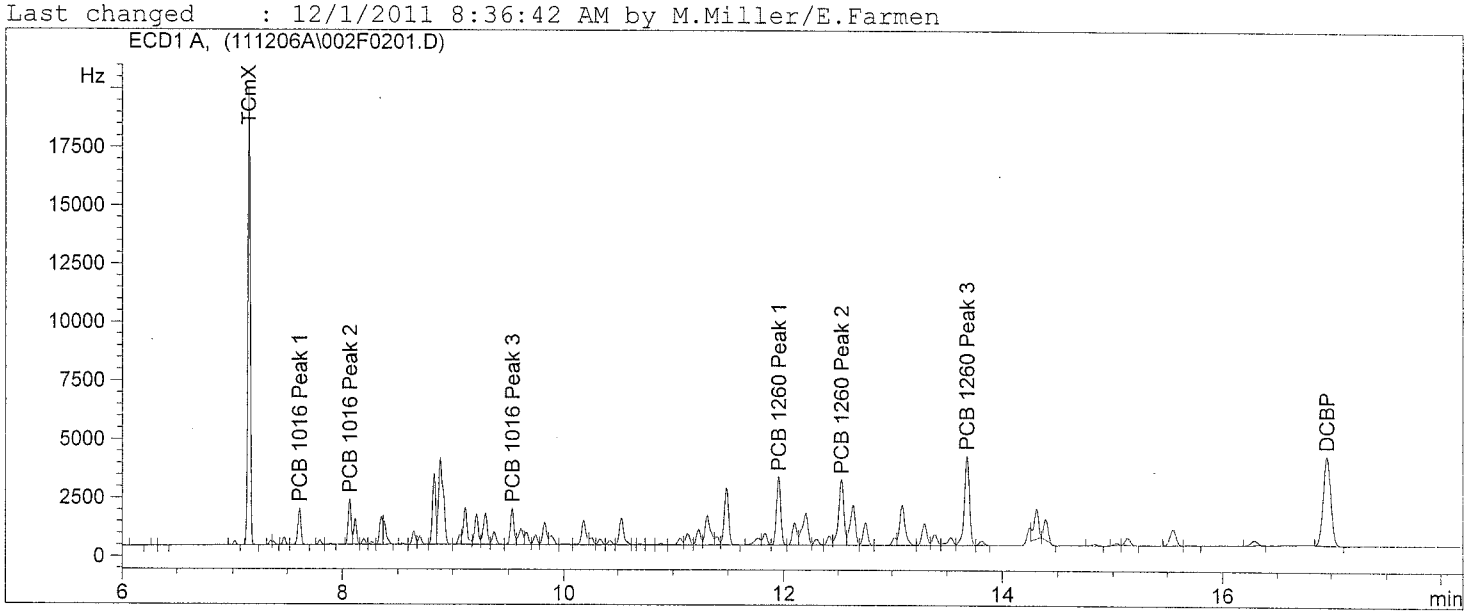
PCB 1268 Peak 3 at exp. RT: 16.308
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 69869.35938
b: 0.00000
x: Amount[ng/ul]
y: Area



DCBP at exp. RT: 16.976
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 237824.49219
b: 1.14353e-12
x: Amount[ng/ul]
y: Area

edf 12/16

```
Injection Date  : 12/6/2011 10:10:17 AM          Seq. Line :   2
Sample Name     : CCV 0.500                      Location : Vial 2
Acq. Operator   : M.Miller/E.Farmen                  Inj :   1
Acq. Instrument : Micro ECD 1                Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\UECD.M
Last changed    : 11/18/2011 4:01:22 PM by M.Miller/E.Farmen
Analysis Method : C:\HPCHEM\1\METHODS\P113011.M
Last changed    : 12/1/2011 8:36:42 AM by M.Miller/E.Farmen
```



External Standard Report

```
Sorted By             :      Retention Time
Calib. Data Modified  :      Thursday, December 01, 2011 8:27:13 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,
```

RetTime [min]	Sig	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.150	1	BB S	3.07614e4	2.94750e-6	9.06693e-2		TCmX
7.608	1	VB	2981.22510	1.62787e-4	4.85306e-1		PCB 1016 Peak 1
8.068	1	BV	3679.88916	1.34809e-4	4.96084e-1		PCB 1016 Peak 2
9.536	1	VV	3562.92456	1.40664e-4	5.01174e-1		PCB 1016 Peak 3
11.952	1	VV	8049.65918	5.92939e-5	4.77296e-1		PCB 1260 Peak 1
12.531	1	VV	9511.22070	4.86772e-5	4.62979e-1		PCB 1260 Peak 2
13.684	1	VV	1.22952e4	3.74344e-5	4.60263e-1		PCB 1260 Peak 3
16.961	1	BBA	1.83664e4	4.78346e-6	8.78549e-2		DCBP

$\bar{X} = 0.4805$ 96.1%

```
Totals :                                  3.06163

 Results obtained with enhanced integrator!
1 Warnings or Errors :

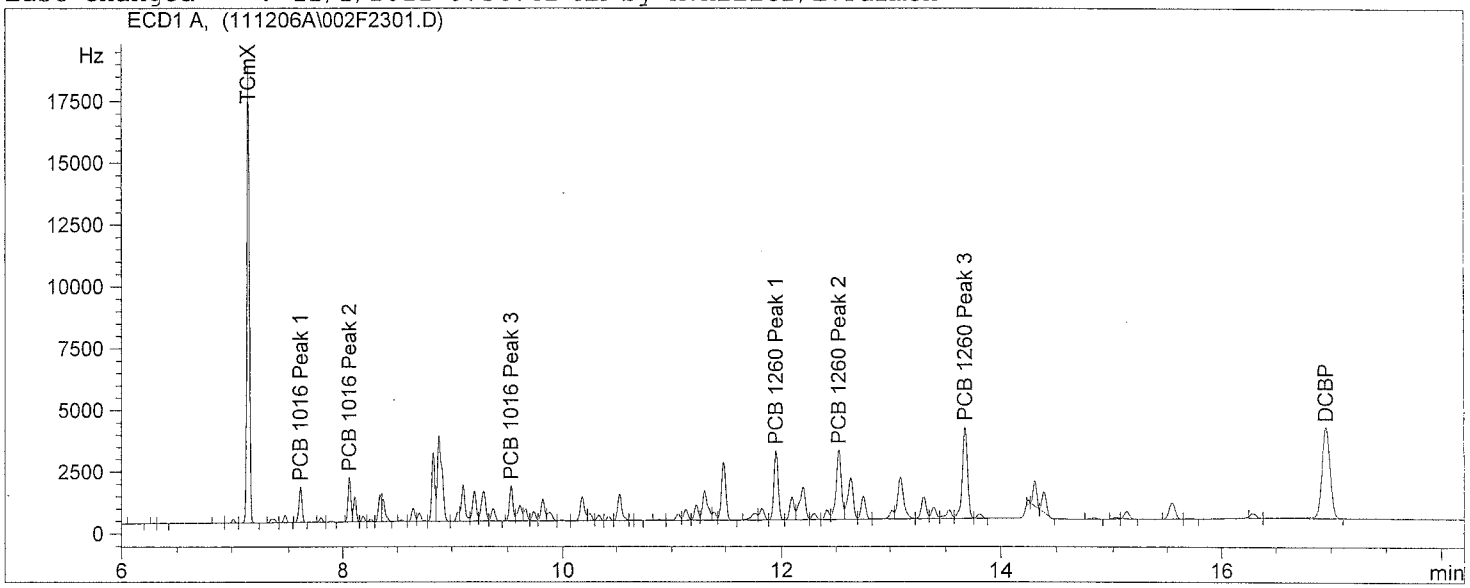
Warning : Calibration warnings (see calibration table listing)
```

*** End of Report ***

320

ecd 12/7

Injection Date : 12/6/2011 6:29:24 PM Seq. Line : 23
Sample Name : CCV 0.500 Location : Vial 2
Acq. Operator : M.Miller/E.Farmen Inj : 1
Acq. Instrument : Micro ECD 1 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\UECD.M
Last changed : 11/18/2011 4:01:22 PM by M.Miller/E.Farmen
Analysis Method : C:\HPCHEM\1\METHODS\P113011.M
Last changed : 12/1/2011 8:36:42 AM by M.Miller/E.Farmen



External Standard Report

Sorted By : Retention Time
Calib. Data Modified : Thursday, December 01, 2011 8:27:13 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.146	1	VB S	2.88052e4	2.94174e-6	8.47374e-2		TCmX
7.604	1	PP	2726.03638	1.60853e-4	4.38491e-1		PCB 1016 Peak 1
8.063	1	BV	3369.71436	1.33401e-4	4.49523e-1		PCB 1016 Peak 2
9.530	1	PV	3245.65332	1.39097e-4	4.51462e-1		PCB 1016 Peak 3
11.948	1	VV	7716.41699	5.90616e-5	4.55744e-1		PCB 1260 Peak 1
12.527	1	VV	9479.12500	4.86644e-5	4.61296e-1		PCB 1260 Peak 2
13.679	1	VV	1.20584e4	3.73992e-5	4.50975e-1		PCB 1260 Peak 3
16.957	1	VBA	1.88515e4	4.78948e-6	9.02889e-2		DCBP

$\bar{X} = 0.4513$
90.3%

Totals : 2.88252

Results obtained with enhanced integrator!
1 Warnings or Errors :

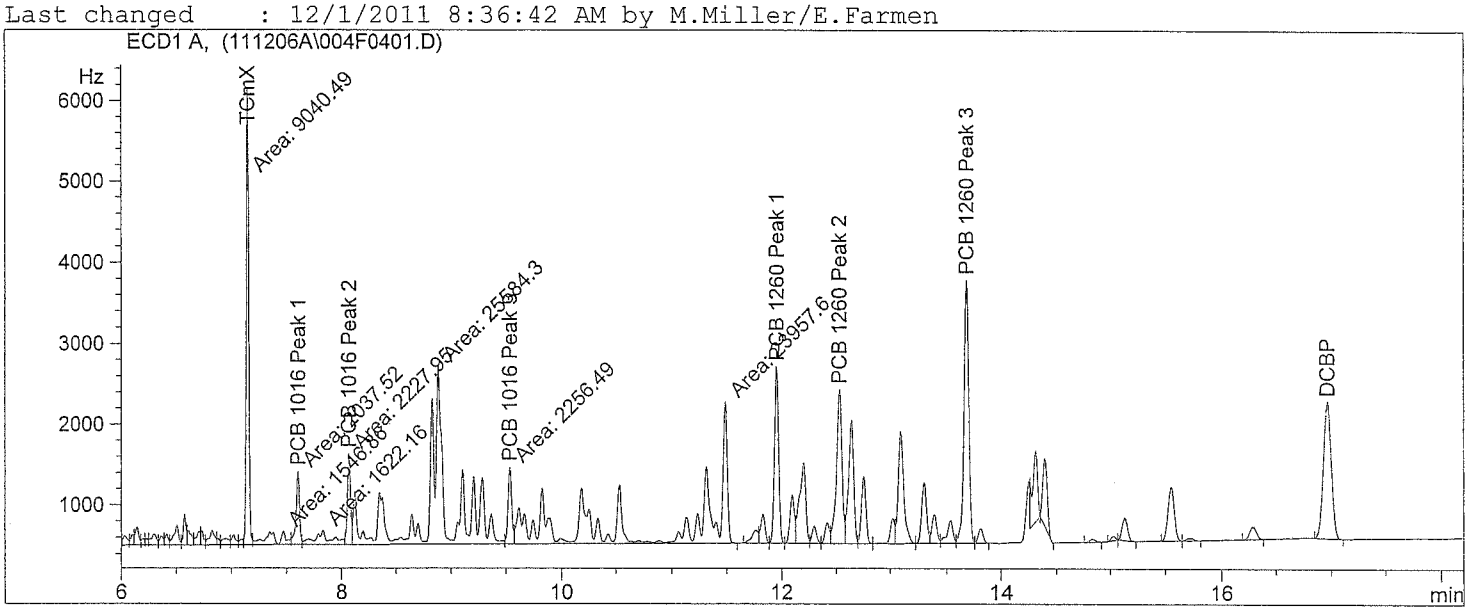
Warning : Calibration warnings (see calibration table listing)

*** End of Report ***

PCBS

RAW QC DATA

```
Injection Date  : 12/6/2011 10:59:43 AM          Seq. Line :   4
Sample Name     : LCS LL-12/5 Soil                Location : Vial 4
Acq. Operator   : M.Miller/E.Farmen                   Inj :   1
Acq. Instrument : Micro ECD 1                  Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\UECD.M
Last changed    : 11/18/2011 4:01:22 PM by M.Miller/E.Farmen
Analysis Method : C:\HPCHEM\1\METHODS\P113011.M
Last changed    : 12/1/2011 8:36:42 AM by M.Miller/E.Farmen
```



External Standard Report

```
Sorted By             :      Retention Time
Calib. Data Modified  :      Thursday, December 01, 2011 8:27:13 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,
```

RetTime [min]	Sig	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.149	1	MF	9040.48926	2.74355e-6	2.48030e-2	✓	TCmX 49.6%
7.607	1	MF	2037.52356	1.53216e-4	3.12181e-1		PCB 1016 Peak 1
8.066	1	MF	2227.94702	1.24838e-4	2.78132e-1		PCB 1016 Peak 2
9.534	1	MF	2256.49121	1.31386e-4	2.96471e-1		PCB 1016 Peak 3
11.952	1	VV	6015.92383	5.74749e-5	3.45765e-1		PCB 1260 Peak 1
12.531	1	VV	6655.60352	4.70601e-5	3.13213e-1		PCB 1260 Peak 2
13.682	1	VV	1.02211e4	3.70700e-5	3.78896e-1		PCB 1260 Peak 3
16.961	1	BBA	8345.51953	4.50243e-6	3.75751e-2	✓	DCBP 75.2%

X = 0.3205 64.2%

```
Totals :                                  1.98704

 Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
```

*** End of Report ***

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Soils/Solids/Sludges

Client: LaBella Assoc.

Client Job Site:	690 St. Paul St.	**Lab Project Number:**	11-5230A
		Lab Sample Number:	Soil PB 12/05 LL
Client Job Number:	209280		
Field Location:	N/A	**Date Sampled:**	N/A
Field ID Number:	N/A	**Date Received:**	N/A
Sample Type:	Soil	**Date Analyzed:**	12/06/2011

PCB Identification	Results in mg / Kg
Aroclor 1016	< 0.0286
Aroclor 1221	< 0.0286
Aroclor 1232	< 0.0286
Aroclor 1242	< 0.0286
Aroclor 1248	< 0.0286
Aroclor 1254	< 0.0286
Aroclor 1260	< 0.0286

ELAP Number 10958

Analytical Method: EPA 8082A
Prep Method: EPA 3550C

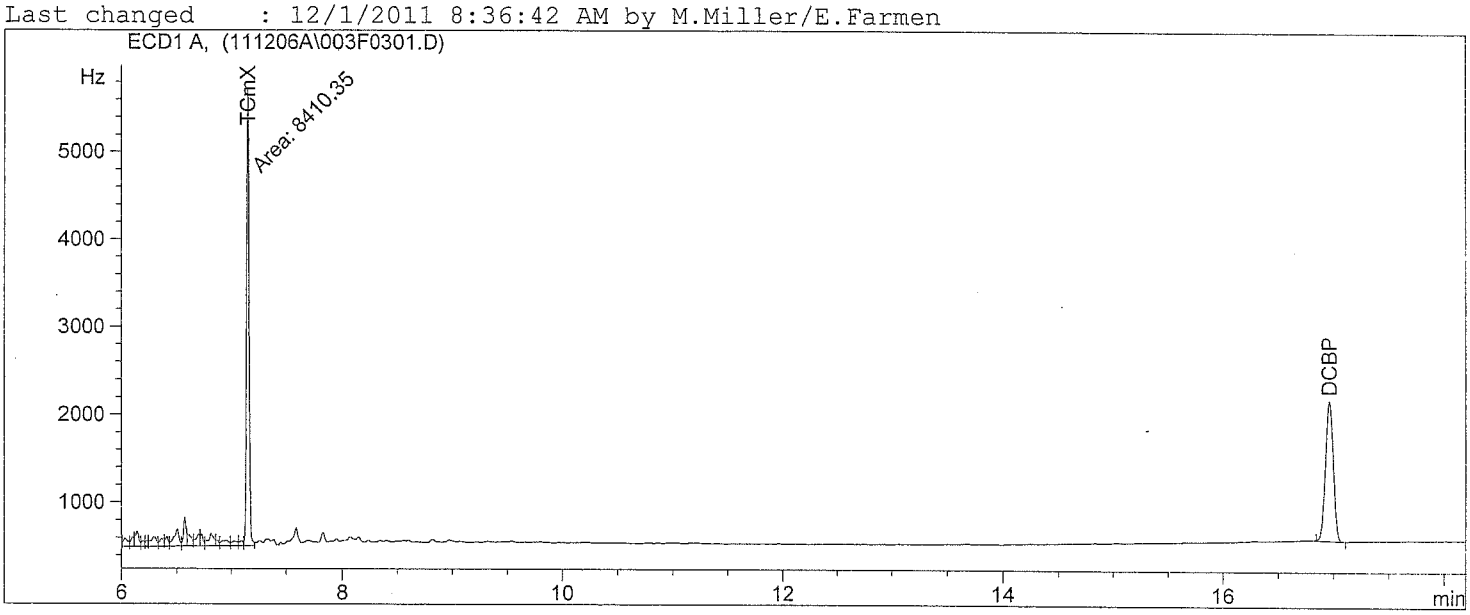
Comments: mg / Kg = milligram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

ecd 12/16

Injection Date : 12/6/2011 10:34:50 AM Seq. Line : 3
Sample Name : PB LL-12/5 Soil Location : Vial 3
Acq. Operator : M.Miller/E.Farmen Inj : 1
Acq. Instrument : Micro ECD 1 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\UECD.M
Last changed : 11/18/2011 4:01:22 PM by M.Miller/E.Farmen
Analysis Method : C:\HPCHEM\1\METHODS\P113011.M
Last changed : 12/1/2011 8:36:42 AM by M.Miller/E.Farmen



External Standard Report

Sorted By : Retention Time
Calib. Data Modified : Thursday, December 01, 2011 8:27:13 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.149	1	MF	8410.35449	2.72191e-6	2.28922e-2 ✓		TCmX 45.8%
7.611	1		-	-	-		PCB 1016 Peak 1
8.072	1		-	-	-		PCB 1016 Peak 2
9.541	1		-	-	-		PCB 1016 Peak 3
11.962	1		-	-	-		PCB 1260 Peak 1
12.540	1		-	-	-		PCB 1260 Peak 2
13.693	1		-	-	-		PCB 1260 Peak 3
16.961	1	BBA	7813.15674	4.46733e-6	3.49039e-2 ✓		DCBP 69.8%

Totals : 5.77962e-2

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

*** End of Report ***

ORGANIC PREP: Pesticide & PCB Aqueous & Non-Aqueous Samples

DATE	SAMPLE #	EPA METHOD	INITIAL VOLUME	FINAL VOLUME	INITIALS	SURROGATE/SPIKE	CLEAN-UP (Pest / PCB)	OTHER
							Pest: F / PCB: F/S,F	MeCl2 → Hexane
12/5/11	BLK	Pest/PCB.S	"35.0g"	10 mL	edf	50 µl PPSS# 112609		
	LCS	PCB.S	↓	↓	↓	25 µl PCB 16/60# 11004	↓	
	LCS1	Pest.S				20 µl Pest MS# 11167	F	
	LCS2	↓	↓			5 µl TOX # 10909		
	17276	Pest/PCB.S	35.0				F/S,F	G3
	17277	↓	35.1	↓	↓	↓	↓	↓
12/5/11	BLK	PCB.S	"5.00g"	20 mL	edf	100 µl PPSS# 112609	F/S,C	3:1
	LCS		↓	↓	↓	50 µl PCB 16/60# 11004		
	17300		5.03					G2
	17301		5.07					
	17302		5.11					↓
	17303		5.07					
	17304		5.00					PB
	17305	↓	5.07	↓	↓	↓	↓	↓
								MeCl2 → Hexane
12/5/11	17306	Pest/PCB.S	34.8	10 mL	edf	50 µl PPSS# 112609	F/S,F	G3
	17324	↓	34.9	↓	↓	↓	↓	↓
12/5/11	BLK	PCB.O	"5.00g"	5 mL	✓	25 µl PPSS# 11269	F/S,A	Hexane
	LCS		↓	↓		12.5 µl PCB 16/60# 11004	↓	
15	17279		0.114	20mL		100 µl PPSS# 11269	F/S	PB
	17260		0.139					
	17281		0.131					
	17282		0.112					
	17263		0.128					
	17284		0.139					
	MS		0.156					
	MSD		0.163					

GC / Micro ECD PCB System 6890 / Micro ECD

Initial 16/60 Cal date 11/30/11

Date	GC Method	Vial #	Data File	Matrix	Sample ID	Standard #	Notes	Intials	A	R	Comments	Intials
11/30/11	μECD	1	11130A	-	Hexane X5				-	-		
↓	↓	2	↓	N/A	16/60 ICAL - 0.050PPM L1	11188		↓	✓			↓
		3			-0.100PPM L2	11189			✓		83.7%	
		4			-0.250PPM L3	11190			✓			
		5			-0.500PPM L4	11191	Validated ICAL 11/30/11. M		✓			
		6			-0.750PPM L5	11192	"		✓			
		7			-1.00PPM L6	11193			✓			
		8			-2.00PPM L7	11194			✓		95.5%	
		9			16/60 REF - 0.500	11195			✓		97.8%	
		10			16/60 CCV - 0.500	11268			✓		90.0%	
		11			1221 ICAL - 1.00 PPM	11196	1221SPT.M		✓			
		12			1232	11197	1232SPT.M		✓			
		13			1242	11198	1242SPT.M		✓			
		14			1248	11199	1248SPT.M		✓			
		15			1254	11200	1254SPT.M		✓			
		16			1262	11201	1262SPT.M		✓			
		17	↓		1268	11202	1268SPT.M		✓			
		18		Soil	PB-11/30 LL				✓			
		19		↓	LCS-11/30 LL				✓			
		20			17006 LAB-51414				5-6-14 ✗	⊗	rptw/Cu	
		21			17007 ↓				✓		Bel	
		22			PB-11/30				✓			
		23			LCS-11/30				✓			
↓	↓	24	↓	↓	17018 OPT-51414			↓	✓		NP	↓

(cont'd)

A = Accepted: R = Rejected

GC / Micro ECD PCB System 6890 / Micro ECD

Initial 16/60 Cal date 11/30/11

Date	GC Method	Vial #	Data File	Matrix	Sample ID	Standard #	Notes	Intials	A	R	Comments	Intials
12/5/11	MECD	1	111205A	-	Hexane x10				-	-		
		2			CCV-0.500	11276			✓		89.8%	
12/6/11	MECD	1	111206A		Hexane x3			mw	-	-		edr
		2			CCV-0.500	11276			✓		96.1%	
		3		soil	~~BT~~ exception PBLL-12/5				✓			
		4			LCSLL-12/5				✓			
		5			17276 · LAB-5230A				✓		1254 BRL	
		6			17277				✓		NP	
		7			17306 ERM 5244A				✓		1254	
		8			17324 LAB-5252A				✓		No match	
		9		soil	PB-12/5				✓			
		10			LCS-12/5				✓			
		11			17300 opTech 5239				✓		No match	
		12			17301 5240				✓		NP	
		13			17302 5241				✓		No Match	
		14			17303 5242				✓		No Match	
		15			17304 5243				✓		1254	
		16			17305				✓		NP	
		17		soil	PB 12/5				✓			
		18			LCS 12/5				✓			
		19			17279 LAB 5232				✓		NP	
		20			17280				✓		NP	
		21			17281				✓		NP	

A = Accepted: R = Rejected

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GC / Micro ECD PCB System 6890 / Micro ECD

Initial 16/60 Cal date 11/30/11

Date	GC Method	Vial #	Data File	Matrix	Sample ID	Standard #	Notes	Intials	A	R	Comments	Intials
12/6/11	16/ECD	22	111206 A	oil	17282 LAB 5232				✓		NP	
	12/6/11	~~23~~ 22		—	CCV-0.500	11276			✓		90.3%	
	↓	~~24~~ 23		—	Hexane x3				—	—		
	12/6/11	~~25~~ 24		—	CCV-0.500	11276			✓		87.5%	
		~~26~~ 25		oil	17283 LAB 5233					X	rpt @ 1:100	
	12/6/11	~~27~~ 26			17284					X	rpt @ 1:50	
		25			17284 ms					Y	int. too high	
		26			17284 msD					X	↓	
		27		↓	17278 LAB 5231				✓		1254 (1260 BRL)	
		28		soil	PB 12/6			edf	✓			
		29			LCS 12/6				✓			
		30			17238 MOD-5221				✓		NP	
		31			17307 LIRO-5424				✓		NP	
		32			17307 MS				✓			
		33			17307 MSD				✓			
		34			17308				✓		NP	
		35		↓	17309 MOD-5246				✓		NP	
		36		water	PB 12/6				✓			
		37			LCS 12/6				✓			
		38		↓	17323 LAB-5251				✓		NP	
		2		—	CCV 0.500	11276			✓		86.9%	
		1		—	Hexane x3				—	—		
		2		—	CCV 0.500	11276			✓		87.7%	✓

A = Accepted: R = Rejected

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

LaBella Associates

For Lab Project # 11-5314A
Issued December 22, 2011
This report contains a total of 71 pages

This report includes a reissued report for soil LRB 12/08 (the method blank) to delete an erroneous comment.

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Each page of this document is part of a multipage report. This document may not be reproduced except in its entirety, without the prior consent of Paradigm Environmental Services, Inc.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

"<" = analyzed for but not detected at or above the reporting limit.
"E" = Result has been estimated, calibration limit exceeded.
"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.
"V" = Sample concentration is >10 times the spike. No meaningful Spike Recovery can be calculated.
"J" = Any hits present between the reporting limit and half the reporting limit.
"Z" = Please refer to included Case Narrative for explanation.

LAB PROJECT NARRATIVE: 11-5314A
PROJECT NAME: 690 St. Paul St.
SDG: 17510
CLIENT: LaBella Associates

One soil sample was collected by LaBella Associates personnel on 12/07/2011 and received at the Paradigm laboratory on 12/07/2011. Container and holding times were acceptable at time of receipt; the sample was received at 15° Centigrade. The sample was submitted with the Chains-of-Custody requesting TCL list VOCs. TICs were requested and reported on this sample. The analysis was performed using EPA SW-846 methods and holding times.

GENERAL NOTES

The initial and continuing calibration reports are only evaluated for compounds that are on the sample summary report.

Regarding results on QC summary forms versus included raw data, due to calculations made at the instrument where many significant figures may be used, there may be slight discrepancies between the summary report result and that recorded on the raw data. This does not affect data usability.

Regarding initial calibrations, it should be noted that the Quantitation Report concentrations supplied for the initial calibration reflect the calibration prior to updating. The response factors and areas are correct.

Regarding Quantitation Reports, it should be noted that the "#" symbol that appears on some of the Quantitation Reports is a software artifact and should be disregarded.

VOLATILES

Holding times were met for the sample.

All surrogate recoveries for the sample and associated QC were within acceptable limits, except Toluene-d8 and 4-Bromofluorobenzene for the sample. The surrogates were out low, flagged with an "*" on the summary form, and a notation was made on the sample report. Matrix interference is suspected.

Site specific QC was not requested on this SDG. The laboratory control sample recovered within acceptance limits.

The method blank was free from contamination within the reportable range, except a low level Actone hit of 11.5J ug/Kg. This compound was not found in the sample at a reportable level so no further action was required.

The instrument tunes passed all criteria.

The internal standards areas and retention times were within acceptance ranges.

All data for the initial calibration was within acceptance limits. Compounds flagged with an "*" on the summary table have been calibrated using a non-average Response Factor calibration curve. The supporting curves are located after the initial calibration table. (see method 8000B, section 7.5.1.2.1).

All continuing calibration data was within acceptance limits.

(signed)_____ (date) 12/22/2011

Bruce Hoogesteger- Technical Director

SDG# : 17510
LAB PROJECT #: 11-5314A
CLIENT: LaBella Assoc.
PROJECT NAME: 690 St. Paul St.

BATCH COMPLETE: 12/7/2011
DATE: 12/15/2011
DATE DUE: 12/23/2011
PROTOCOL: SW846

LAB.SAMPLE#	FIELD ID	MATRIX	REQUESTED ANALYSIS	DATE SAMPLED	DATE REC'D
17510	CS-10	Soil	VOAs	12/7/2011	12/7/2011

PARADIGM
ENVIRONMENTAL SERVICES, INC.

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:	
COMPANY: LABELLA	COMPANY: Same	LAB PROJECT #: 11-5314A / CLIENT PROJECT #:
ADDRESS:	ADDRESS:	
CITY: STATE: ZIP:	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)
PHONE: FAX:	PHONE: FAX:	STD / OTHER
ATTN: DAN NOLL	ATTN:	[X] 1 [ ] 2 [ ] 3 [ ] 5 [ ]
COMMENTS:		Quotation # 2 day per lab. EAH 12/7

PROJECT NAME/SITE NAME: 690 ST. PAUL

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	TCL VOCs	TOTAL VOCs	TCLP VOCs	PCBs	Total Resines	TICs VOCs	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	12/7/11	1200 per below. EAH 12/7		X	WC-1	SO	1		X	X				7	
2	↓	↓		X	WC-2	SO	1		X	X				Logged in as a Separate Job.	
3	↓	↓	X		WC-3	SO	1				X	X		Logged in as a Separate Job.	
4	↓	↓		X	CS-10	SO	2	X					X	PLEASE HOLD 1 JAR FOR ADD'L POTENTIAL ANALYSES ↓ Not necessary per DN/JD 12/7 EAH 12/7	175100
5					Equip Blank										
6															
7															
8															
9															
10															

CS-10 is ASPCat B per DN/JD 12/7. Std TCL List and SW846 Holding time per history. EAH 12/7

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y [X]	N [ ]
Comments:		
Preservation: N/A	Y [ ]	N [ ]
Comments:		
Holding Time:	Y [X]	N [ ]
Comments:		
Temperature: 5 @ EAH 12/7	Y [X]	N [ ]
Comments: 15°C @ 1830 12/7 from samples		

Rec'd within 6 hrs of sampling.

Cooler delivered by LaBella SO custody seals N/A.

Sampled By	12/7/11 12PM	Total Cost: EAH 12/7
Relinquished By	12/7/11 1PM	
Received By	12/7/11 1300	P.I.F.
Received @ Lab By: Elizabeth A Honck	12/7/11 1655	

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

Lab Project #: 11-5314A

Client: ~~EB~~ LaBella

Internal Chain of Custody

Sign-Out Log for Refrigerator: C

Sample #	Container Code:	Initials	Date/Time Out:	Date/Time In:
17510	G3-1			
↓	↓-2	BB	12/8/11 1418	12/8/11 1524
17510	G3-2	edf	12/8/11 1630	12/8/11 1140

Lab Project Number	Lab Sample Number	Client/Project Name/Number	Log in Date	Log in Time	Matrix	Log in Init.	pH	Temp	Sample By	Sample Date & Time	Organic Analysis	Metal Analysis	Rotation Tasks	Sub-Out Analysis	Cont. Code
11-5311	17501	[redacted]	12/7	1550	air	EAH	NA	NA	Client	12/7			t.dust		A
11-5312	17502		12/7	1551	air	EAH	NA	NA	Client	12/7			t.dust		A
↓	17503	↓	↓	↓	↓	↓	↓	↓	↓	↓			↓		↓
	17504														
	17505														
	17506		↓	↓	↓	↓	↓	↓	↓	↓			↓		↓
11-5313	17507		12/7	1645	soil	EAH	NA	15°C	Client	12/7	8260 TCL ↓ TCLP Voa				G3
↓	17508		↓	↓	↓	↓	↓	↓	↓	↓	~~PCB Pest~~ ee EAH 12/7				↓
↓	17509	↓	↓	↓	↓	↓	↓	↓	↓	↓	PCB, Pest				
11-5314A	17510	LaBella CS-10 690 St. Paul St.	12/7	1655	soil	EAH	NA	15°C	Client	12/7	8260 TCL, VOA. TICS				G3
11-5315	17511	[redacted]	12/7	1720	solid	EAH	NA	21°C	Client	12/7		TCLP RCRA Metals total Pb			M6
↓	17512		↓	↓	↓	↓	↓	↓	↓	↓		↓			↓
	17513														
↓	17514	↓	↓	↓	↓	↓	↓	↓	↓	↓		↓			
11-5213R	17230R	[redacted]	12/7	1725	~~So~~ Pt	EAH	NA	6°C	Client	11/23			pH		MP
11-5316	17515	[redacted]	12/8	1055	solid	EAH	NA	17°C	Client	12/8	TCLP Voa TCLP Svoa	TCLP RCRA Metals			(2)S3, comp'd to G3
11-5317	17516 ee EAH 12/8	[redacted]	12/8	1100	Solid	EAH	NA	14°C	Client	12/2	8260 TCL 8270 ABN PCB	TCLP RCRA Metals +Cu, Ni, Zn	pH, Flash	Reactivity	S3, Cl for sub
11-5318	17517	[redacted]	12/8	1110	solid	EAH	NA	NA	Client	NA	8270 BN phthalates +TICS				MI
11-5319	17518	[redacted]	12/8	1113	W	EAH	NA	10°C iced	Client	12/7			pH		P2
↓	17519	↓	↓	↓	↓	↓	↓	↓	↓	↓			↓		↓
	17520						<2			12/7-12/8		Cd, Cr, Cu, Pb, Ni, Ag, Zn			P3
	17521						>10			12/7				TCN > comp 2→1	↓ > comp to P3
	17522	↓	↓	↓	↓	↓	↓	↓	↓	↓					

Percent Moisture Prep Log

% Moisture = (Wet Weight - Dry Weight) / (Wet weight - Pan Weight)

Date	Container Code	Sample #	Pan Weight	Wet Weight	Dry Weight	Wet Weight - Pan Weight	Percent Moisture	Initials
12/6/11	G2	17390	1.58	8.43	7.86	6.85	8.32	erf
	↓	17396	1.56	10.35	8.93	8.79	16.2	
	↓	17397	1.57	7.73	6.20	6.16	24.8	↓
	G3	17373	1.56	9.45	8.90	7.89	6.97	
	↓	17374	1.56	9.07	8.39	7.51	9.05	
	↓	17375	1.55	10.79	9.94	9.24	9.20	
	↓	17376	1.58	8.94	8.31	7.36	8.56	
	↓	17369	1.57	8.43	6.97	6.86	21.3	
	↓	17370	1.58	9.21	7.60	7.63	21.1	
	↓	17371	1.60	9.66	8.01	8.06	20.5	
	↓	17372	1.58	9.71	7.83	8.13	23.1	↓
	G2	17397DUP	1.59	8.43	6.37	6.84	30.1	↓
12/7/11	S3	17485	1.54	9.29	8.14	7.75	14.8	edf
	↓	17485 Dup	1.52	9.03	7.85	7.51	15.7	↓
	G3	17507	1.58	7.45	6.72	5.87	12.4	JD
	↓	17508	1.60	7.11	6.46	5.51	11.8	↓
	↓	17509	1.58	7.69	6.94	6.11	12.3	
12/8/11	G3	17562	1.57	7.57	6.56	6.00	16.8%	edf
	G2	17563	1.57	9.03	7.66	7.46	18.4	↓
	↓	17564	1.59	10.80	9.22	9.21	17.2	↓
	↓	17565	1.58	7.72	6.86	6.14	14.0	↓
	↓	17566	1.59	8.30	7.03	6.71	18.9	↓
	↓	17567	1.57	8.96	7.99	7.39	13.1	↓
	↓	17568	1.59	8.98	7.61	7.39	18.5	↓
	↓	17568DUP	1.58	7.96	6.77	6.38	18.7	↓
	S3	17516	1.59	9.91	9.81	8.32	1.20	↓
	G3	17510	1.57	10.50	9.87	8.93	7.06	↓ ↓
12/9/11	G3-1	17632	1.58	6.18	5.49	4.60	15.0%	edf
	PB	17644	1.57	6.18	4.87	4.61	28.4	
	PB	17645	1.57	6.10	5.20	4.53	19.9	
	G3	17646	1.58	6.00	5.26	4.42	16.7	
	↓	17647	1.58	9.25	9.01	7.67	3.13	
	↓	17649	1.55	6.23	5.78	4.68	9.62	
12/12/11	G2-1	17675	1.60	6.87	6.02	5.27	16.1	m
	G2-1	17676	1.58	6.64	6.20	5.06	8.70	↓
	G2-1	17677	1.59	6.61	6.32	5.02	5.78	
	G2	17678	1.59	6.61	6.15	5.02	9.16	
	G2-1	17679	1.56	6.79	6.25	5.23	10.3	↓

VOLATILE ORGANICS

QC SUMMARY

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Paradigm Environmental Services Client Name: LaBella

Client Project #: N/A

Lab Project #: 11-5314A SDG No.: 17510

Client Project Name: 690 St. Paul

Level: (low/med) low

	SAMPLE NO.	SMC1 (PFB)	SMC2 (DCE)	SMC3 (TOL)	SMC4 (BFB)	TOT OUT
01	Soil LRB 12/08	105	100	93.6	87.8	0
02	Soil LCS 12/08	107	96.5	96.9	96.0	0
03	CS-10 17510	94.0	90.3	83.4 *	75.0 *	2
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

	QC LIMITS %
SMC1 (PFB) = Pentafluorobenzene	(89.5-117)
SMC2 (DCE) = 1,2-Dichloroethane-d4	(63.6-106)
SMC3 (TOL) = Toluene-d8	(85.0-106)
SMC4 (BFB) = 4-Bromofluorobenzene	(78.8-99.4)

* Values outside of current required QC limits

D System Monitoring Compound diluted out

FORM II VOA-2

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella

Client Job Site: 690 St. Paul
Client Job Number: N/A
Field Location: N/A
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5314A
Lab Sample Number: Soil LCS 12/08
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 12/08/2011

SDG# : 17510

Spiked Compound	Blank Results in ug / Kg	LCS Spiked in ug / Kg	LCS Results in ug / Kg	LCS Percent Recovery	MSD Spiked in ug / Kg	MSD Results in ug / Kg	MSD Percent Recovery	MS / MSD % RPD
1,1-Dichloroethene	< 4.00	100	100	100	N/A	N/A	N/A	N/A
Benzene	< 4.00	100	98.6	98.6	N/A	N/A	N/A	N/A
Trichloroethene	< 4.00	100	95.2	95.2	N/A	N/A	N/A	N/A
Toluene	< 4.00	100	97.5	97.5	N/A	N/A	N/A	N/A
Chlorobenzene	< 4.00	100	98.1	98.1	N/A	N/A	N/A	N/A

ELAP Number 10958 Data File: V93979.D Data File: V93978.D Method: EPA 8260B

PARADIGM
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Volatile Analysis QC Limits

Limits effective: Oct 27,2011
Through: Dec 31,2011

Spiked Compound	Soil Spike Limits		Soil % RPD Limits		Water Spike Limits		Water % RPD Limits	
	Lower %	Upper %	Lower %	Upper %	Lower %	Upper %	Lower %	Upper %
1,1-Dichloroethene	78.8	110	0	12.9	76.6	109	0	9.91
Benzene	88.5	107	0	11.1	87.6	106	0	12.9
Trichloroethene	85.7	109	0	13.6	84.1	108	0	13.6
Toluene	85.8	107	0	13.2	81.8	110	0	20.7
Chlorobenzene	85.7	105	0	10.6	85.4	104	0	10.4

Surrogate	Soil Surrogate Limits				Water Surrogate Limits			
	Lower %	Upper %			Lower %	Upper %		
Pentafluorobenzene	89.5	117			89.4	116		
1,2-Dichloroethane-d4	63.6	106			65.8	106		
Toluene-D8	85.0	106			87.2	107		
4-Bromofluorobenzene	78.8	99.4			83.6	96.9		

ELAP Number 10958

Method: EPA 8260B

Note: When the lower acceptance limit is calculated to be below 10% recovery, a warning limit of 10% is established. Recoveries between the lower acceptance limit and the warning limit will be investigated, but will not invalidate the batch.

4A

VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

Soil LRB 12/08

Lab Name: Paradigm Environmental Services Client Name: LaBella

Lab Project #: 11-5314A Client Project #: N/A SDG No.: 17510

Client Project Name: 690 St. Paul

Lab File ID: V93979.D Lab Sample ID: Soil LRB 12/08

Date Analyzed: 12/8/2011 Time Analyzed: 20:23

GC Column: microbore ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: Instrument #1

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	N/A	Soil LCS 12/08	V93978.D	19:59
02	CS-10	17510	V93988.D	23:55
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

COMMENTS:

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE(BFB)

Lab Name: Paradigm Environmental Services Client Name: LaBella

Lab Project #: 11-5314A Client Project #: N/A SDG#: 17510

Client Project Name: 690 St. Paul

Lab File ID: V93970.D BFB Injection Date: 12/8/2011

Instrument ID: Instrument #1 BFB Injection Time: 16:56

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0-40.0% of mass 95	16.2
75	30.0-60.0% of mass 95	41.3
95	Base peak, 100%relative abundance	100.0
96	5.0-9.0% of mass 95	7.3
173	Less then 2.0% of mass 174	0.0 (0.0)1
174	50.0-100.0% of mass 95	89.6
175	5.0-9.0% of mass 174	5.8 (6.5)1
176	95.0-101.0% of mass 174	86.0 (96.0)1
177	5.0-9.0% of mass176	5.8 (6.7)2

1-Value is % mass 174 2-Value is % mass 176

This check applies to the following Samples, MS, MSD, Blanks & Standards

	Client Sample #	Lab Sample #	Lab File ID	Date Analyzed	Time Analyzed
1	N/A	1ppb mega Cal	V93971.D	12/8/2011	17:19
2	N/A	5ppb mega Cal	V93972.D	12/8/2011	17:42
3	N/A	20ppb mega Cal	V93973.D	12/8/2011	18:05
4	N/A	50ppb mega Cal	V93974.D	12/8/2011	18:28
5	N/A	100ppb mega Cal	V93975.D	12/8/2011	18:50
6	N/A	150ppb mega Cal	V93976.D	12/8/2011	19:13
7	N/A	200ppb mega Cal	V93977.D	12/8/2011	19:36
8	N/A	Soil LRB 12/08	V93979.D	12/8/2011	20:23
9	N/A	Soil LCS 12/08	V93978.D	12/8/2011	19:59
10	CS-10	17510	V93988.D	12/8/2011	23:55
11					
12					
13					
14					
15					
16					
17					
18					

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Paradigm Environmental Services Client Name: LaBella

Lab Project #: 11-5314A Client Project #: N/A SDG#: 17510

Client Project Name: 690 St. Paul

Lab File ID: V93974.D Date Analyzed: 12/8/2011

Instrument ID: Instrument #1 Time Analyzed: 18:28

Heated Purge: Y

		IS1 AREA	FB RT	IS2 AREA	CB RT	IS3 AREA	1,4-DCB RT
	12 HOUR STD	391896	5.08	296564	8.02	161872	10.56
	UPPER LIMIT	783792	5.58	593128	8.52	323744	11.06
	LOWER LIMIT	195948	4.58	148282	7.52	80936	10.06
	LAB SAMPLE#						
1	Soil LRB 12/08	399521	5.08	311761	8.02	174943	10.56
2	Soil LCS 12/08	402791	5.08	301996	8.02	164288	10.56
3	17510	390676	5.08	292317	8.02	155454	10.56
4							
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19							
20							
21							
22							

IS1=Fluorobenzene

IS2=Chlorobenzene-d5

IS3=1,4-Dichlorobenzene-d4

AREA UPPER LIMIT=+100% of internal standard area

AREA LOWER LIMIT=-50% of internal standard area

RT UPPER LIMIT=+.50 minutes of internal standard RT

RT LOWER LIMIT=-.50 minutes of internal standard RT

*Values outside of QC limits

Instrument:	73 VOA
Matrix:	Soil
Date Run:	03/08/2011 - 03/10/2011
Target (in ppb)	0.50
Acetone, 2-CEVE	1.00
TBA	100.00
1,4-dioxane	25.00

		MDL1	MDL2	MDL3	MDL4	MDL5	MDL6	MDL7				
	Compound	Data File: V82837.D	Data File: V82838.D	Data File: V82839.D	Data File: V82840.D	Data File: V82841.D	Data File: V82842.D	Data File: V82843.D	Standard Deviation	MDL	Pass / Fail 10% Rule	Pass / Fail <Spk. Rule
2	Dichlorodifluoromethane	1.014	1.195	1.183	1.178	1.049	1.194	1.222	0.0814	0.256		
3	Chloromethane	0.419	0.607	0.647	0.638	0.515	0.588	0.593	0.0800	0.251		
4	Vinyl chloride	0.379	0.519	0.474	0.487	0.389	0.527	0.467	0.0584	0.184		
5	Bromomethane	0.506	0.672	0.708	0.656	0.537	0.620	0.599	0.0729	0.229		
6	Chloroethane	0.429	0.532	0.599	0.514	0.339	0.466	0.624	0.0988	0.310		
7	Trichlorofluoromethane	0.434	0.644	0.616	0.627	0.491	0.650	0.620	0.0847	0.266		
8	Ethyl ether	0.344	0.540	0.471	0.528	0.443	0.458	0.441	0.0649	0.204		
9	Freon 113	0.327	0.521	0.574	0.542	0.399	0.528	0.503	0.0885	0.278		
10	1,1-Dichloroethene	0.404	0.488	0.502	0.521	0.395	0.487	0.485	0.0489	0.154		
11	Acetone	5.950	5.160	5.740	5.820	5.140	5.440	5.280	0.3316	1.042		Fail
12	Carbon disulfide	0.329	0.500	0.493	0.508	0.385	0.474	0.479	0.0683	0.215		
13	Methyl acetate	0.892	1.040	0.969	0.732	0.808	0.969	0.700	0.1296	0.407		
14	Methylene chloride	2.439	2.801	2.684	2.673	2.620	2.661	2.555	0.1135	0.357		
15	Acrylonitrile	0.682	0.692	0.813	0.774	0.722	0.706	0.812	0.0558	0.175		
16	tert-Butyl Alcohol	118.860	109.480	101.480	105.220	106.620	110.290	96.460	7.1000	22.315		
17	Methyl tert-butyl Ether	0.406	0.531	0.544	0.582	0.433	0.519	0.570	0.0672	0.211		
18	trans-1,2-Dichloroethene	0.342	0.494	0.542	0.617	0.384	0.491	0.582	0.1001	0.315		
19	1,1-Dichloroethane	0.332	0.535	0.518	0.541	0.384	0.451	0.489	0.0802	0.252		
20	Vinyl acetate	0.399	0.519	0.521	0.577	0.432	0.545	0.488	0.0629	0.198		
21	2,2-Dichloropropane	0.370	0.537	0.495	0.510	0.448	0.488	0.523	0.0570	0.179		
22	2-Butanone	0.696	0.863	0.776	0.760	0.701	0.632	0.809	0.0779	0.245		
23	cis-1,2-Dichloroethene	0.341	0.535	0.493	0.471	0.411	0.461	0.489	0.0634	0.199		
24	Bromochloromethane	0.328	0.538	0.512	0.644	0.428	0.569	0.573	0.1046	0.329		
25	Chloroform	0.352	0.558	0.482	0.548	0.440	0.495	0.510	0.0704	0.221		
26	Pentafluorobenzene	0.382	0.569	0.519	0.547	0.469	0.481	0.499	0.0612	0.192		
27	Tetrahydrofuran	0.650	0.993	0.897	0.959	0.857	0.811	0.746	0.1204	0.378		
28	1,1,1-Trichloroethane	0.362	0.530	0.527	0.522	0.417	0.485	0.536	0.0679	0.213		
29	1,2-Dichloroethane-d4	0.460	0.610	0.569	0.620	0.523	0.536	0.595	0.0568	0.179		
30	Carbon Tetrachloride	0.355	0.526	0.490	0.494	0.353	0.431	0.474	0.0689	0.217		
31	Benzene	0.408	0.573	0.537	0.553	0.425	0.512	0.539	0.0645	0.203		
32	1,2-Dichloroethane	0.381	0.597	0.568	0.590	0.449	0.568	0.537	0.0813	0.255		
33	Trichloroethene	0.388	0.483	0.499	0.542	0.402	0.483	0.514	0.0569	0.179		
34	Methylcyclohexane	0.296	0.399	0.433	0.408	0.343	0.384	0.443	0.0516	0.162		
36	1,2-Dichloropropane	0.394	0.498	0.572	0.582	0.468	0.500	0.480	0.0639	0.201		
38	Dibromomethane	0.385	0.522	0.549	0.512	0.434	0.456	0.499	0.0573	0.180		
39	Bromodichloromethane	0.329	0.454	0.441	0.473	0.381	0.393	0.449	0.0514	0.161		
40	2-Chloroethyl vinyl Ether	2.260	2.450	2.350	2.440	2.370	2.190	2.130	0.1231	0.387		

42	1,1-Dichloropropene	0.331	0.537	0.478	0.557	0.404	0.476	0.503	0.0783	0.246
43	cis-1,3-Dichloropropene	0.278	0.422	0.419	0.415	0.347	0.417	0.426	0.0563	0.177
44	4-Methyl-2-pentanone	0.392	0.481	0.485	0.574	0.415	0.476	0.513	0.0603	0.190
45	Toluene-D8	0.341	0.515	0.456	0.497	0.365	0.454	0.460	0.0648	0.204
46	Toluene	0.448	0.551	0.548	0.574	0.448	0.491	0.554	0.0532	0.167
47	trans-1,3-Dichloropropene	0.302	0.432	0.425	0.422	0.341	0.366	0.354	0.0498	0.157
48	1,1,2-Trichloroethane	0.400	0.567	0.571	0.618	0.478	0.565	0.537	0.0725	0.228
49	1,3-Dichloropropane	0.392	0.569	0.504	0.599	0.429	0.521	0.506	0.0729	0.229
50	Tetrachloroethene	0.325	0.542	0.484	0.487	0.376	0.473	0.469	0.0742	0.233
51	2-Hexanone	0.329	0.457	0.399	0.449	0.281	0.368	0.390	0.0629	0.198
52	Dibromochloromethane	0.254	0.425	0.431	0.483	0.355	0.438	0.436	0.0757	0.238
53	1,2-Dibromoethane	0.375	0.519	0.490	0.585	0.437	0.419	0.484	0.0692	0.217
55	Chlorobenzene	0.378	0.531	0.536	0.578	0.400	0.491	0.530	0.0749	0.236
56	1,1,1,2-Tetrachloroethane	0.361	0.465	0.518	0.460	0.393	0.426	0.466	0.0524	0.165
57	Ethylbenzene	0.339	0.490	0.486	0.483	0.383	0.442	0.464	0.0584	0.183
58	m,p-Xylene	0.653	0.935	0.891	0.959	0.678	0.796	0.908	0.1244	0.391
59	o-Xylene	0.339	0.472	0.417	0.511	0.321	0.452	0.417	0.0686	0.216
60	Styrene	0.307	0.435	0.418	0.451	0.323	0.393	0.367	0.0551	0.173
61	Bromoform	0.346	0.508	0.492	0.457	0.395	0.427	0.482	0.0582	0.183
62	Isopropylbenzene	0.303	0.433	0.396	0.426	0.332	0.385	0.407	0.0485	0.152
63	1,2,3-Trichloropropane	0.462	0.543	0.666	0.660	0.531	0.615	0.672	0.0816	0.257
64	4-Bromofluorobenzene	0.396	0.495	0.439	0.464	0.369	0.459	0.430	0.0426	0.134
65	Bromobenzene	0.345	0.509	0.461	0.493	0.342	0.473	0.466	0.0688	0.216
66	1,1,2,2-Tetrachloroethane	0.455	0.588	0.582	0.645	0.449	0.537	0.582	0.0727	0.229
67	n-Propylbenzene	0.297	0.414	0.384	0.439	0.317	0.379	0.382	0.0503	0.158
68	2-Chlorotoluene	0.407	0.463	0.518	0.441	0.316	0.432	0.522	0.0705	0.222
69	4-Chlorotoluene	0.431	0.493	0.517	0.566	0.331	0.384	0.735	0.1332	0.419
70	1,3,5-Trimethylbenzene	0.380	0.393	0.442	0.430	0.280	0.331	0.461	0.0648	0.204
71	tert-Butylbenzene	0.400	0.473	0.480	0.476	0.306	0.402	0.530	0.0742	0.233
72	1,2,4-Trimethylbenzene	0.369	0.416	0.444	0.460	0.315	0.358	0.445	0.0543	0.171
73	sec-Butylbenzene	0.325	0.430	0.419	0.430	0.283	0.396	0.428	0.0596	0.187
74	p-Isopropyltoluene	0.419	0.458	0.497	0.483	0.351	0.417	0.497	0.0535	0.168
76	1,3-Dichlorobenzene	0.323	0.497	0.480	0.454	0.384	0.422	0.504	0.0662	0.208
77	1,4-Dichlorobenzene	0.342	0.497	0.518	0.538	0.402	0.467	0.481	0.0689	0.217
78	n-Butylbenzene	0.336	0.403	0.405	0.398	0.316	0.353	0.411	0.0387	0.122
79	1,2-Dichlorobenzene	0.374	0.503	0.449	0.468	0.377	0.391	0.476	0.0523	0.164
81	1,2-Dibromo-3-Chloropropa	0.485	0.625	0.537	0.550	0.458	0.725	0.492	0.0935	0.294
82	1,2,4-Trichlorobenzene	0.329	0.420	0.430	0.377	0.301	0.306	0.389	0.0529	0.166
83	1,2,3-Trichlorobenzene	0.317	0.431	0.435	0.411	0.299	0.325	0.422	0.0603	0.190
84	Hexachlorobutadiene	0.347	0.483	0.512	0.493	0.371	0.503	0.498	0.0686	0.216
85	Naphthalene	0.400	0.456	0.463	0.471	0.350	0.441	0.468	0.0447	0.141
86	Cyclohexane	0.300	0.462	0.518	0.445	0.431	0.527	0.455	0.0749	0.235
87	1,4-dioxane	34.610	29.760	35.390	25.120	31.740	28.670	31.290	3.5226	11.071

VOLATILE ORGANICS

SAMPLE DATA

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella

Client Job Site: 690 St. Paul
Client Job Number: N/A
Field Location: CS-10
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5314A
Lab Sample Number: 17510
Date Sampled: 12/07/2011
Date Received: 12/07/2011
Date Analyzed: 12/08/2011

Halocarbons	Results in ug / Kg
Bromodichloromethane	< 4.14
Bromomethane	< 4.14
Bromoform	< 10.3
Carbon Tetrachloride	< 4.14
Chloroethane	< 4.14
Chloromethane	< 4.14
2-Chloroethyl vinyl Ether	< 20.7
Chloroform	< 4.14
Dibromochloromethane	< 4.14
1,1-Dichloroethane	< 4.14
1,2-Dichloroethane	< 4.14
1,1-Dichloroethene	< 4.14
cis-1,2-Dichloroethene	173
trans-1,2-Dichloroethene	4.17
1,2-Dichloropropane	< 4.14
cis-1,3-Dichloropropene	< 4.14
trans-1,3-Dichloropropene	< 4.14
Methylene chloride	< 10.3
1,1,2,2-Tetrachloroethane	< 4.14
Tetrachloroethene	J 2.35
1,1,1-Trichloroethane	< 4.14
1,1,2-Trichloroethane	< 4.14
Trichloroethene	234
Trichlorofluoromethane	< 4.14
Vinyl chloride	J 3.05

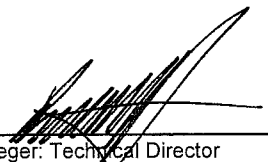
Aromatics	Results in ug / Kg
Benzene	< 4.14
Chlorobenzene	< 4.14
Ethylbenzene	< 4.14
Toluene	< 4.14
m,p-Xylene	< 4.14
o-Xylene	< 4.14
Styrene	< 10.3
1,2-Dichlorobenzene	< 4.14
1,3-Dichlorobenzene	< 4.14
1,4-Dichlorobenzene	< 4.14

Ketones	Results in ug / Kg
Acetone	< 20.7
2-Butanone	< 20.7
2-Hexanone	< 10.3
4-Methyl-2-pentanone	< 10.3

Miscellaneous	Results in ug / Kg
Carbon disulfide	J 2.98
Vinyl acetate	< 10.3

ELAP Number 10958 Method: EPA 8260B Data File: V93988.D

Comments: ug / Kg = microgram per Kilogram
Surrogate outliers indicate probable matrix interference

Signature: 
Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella

Client Job Site:	690 St. Paul	**Lab Project Number:**	11-5314A
		Lab Sample Number:	17510
Client Job Number:	N/A		
Field Location:	CS-10	**Date Sampled:**	12/07/2011
Field ID Number:	N/A	**Date Received:**	12/07/2011
Sample Type:	Soil	**Date Analyzed:**	12/08/2011

Tentatively Identified Compounds	CAS Number	Retention Time	Results in ug / Kg	Percent Fit
None Found	N/A	N/A	< 10.3	N/A

ELAP Number 10958 Method: EPA 8260B Data File: V93988.D

Comments: ug / Kg = microgram per Kilogram

Surrogate outliers indicate probable matrix interference

Signature: _____

Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

Quantitation Report (Not Reviewed)

SOIL.

Data File: C:\msdchem\1\DATA\111208\V93988.D
DataAcq Meth:8260RUN.M
Acq On : 8 Dec 2011 11:55 pm
Sample : SOIL #17510
Misc : Soil 2.60g
ALS Vial : 21 Sample Multiplier: 1

Operator: Bill Brew
Inst : Instrument #1

12/9

Quant Time: Dec 09 07:50:51 2011
Quant Method : C:\msdchem\1\METHODS\120811.M
Quant Title : 8260/624 Analysis
QLast Update : Fri Dec 09 07:49:08 2011
Response via : Initial Calibration
Integrator: RTE

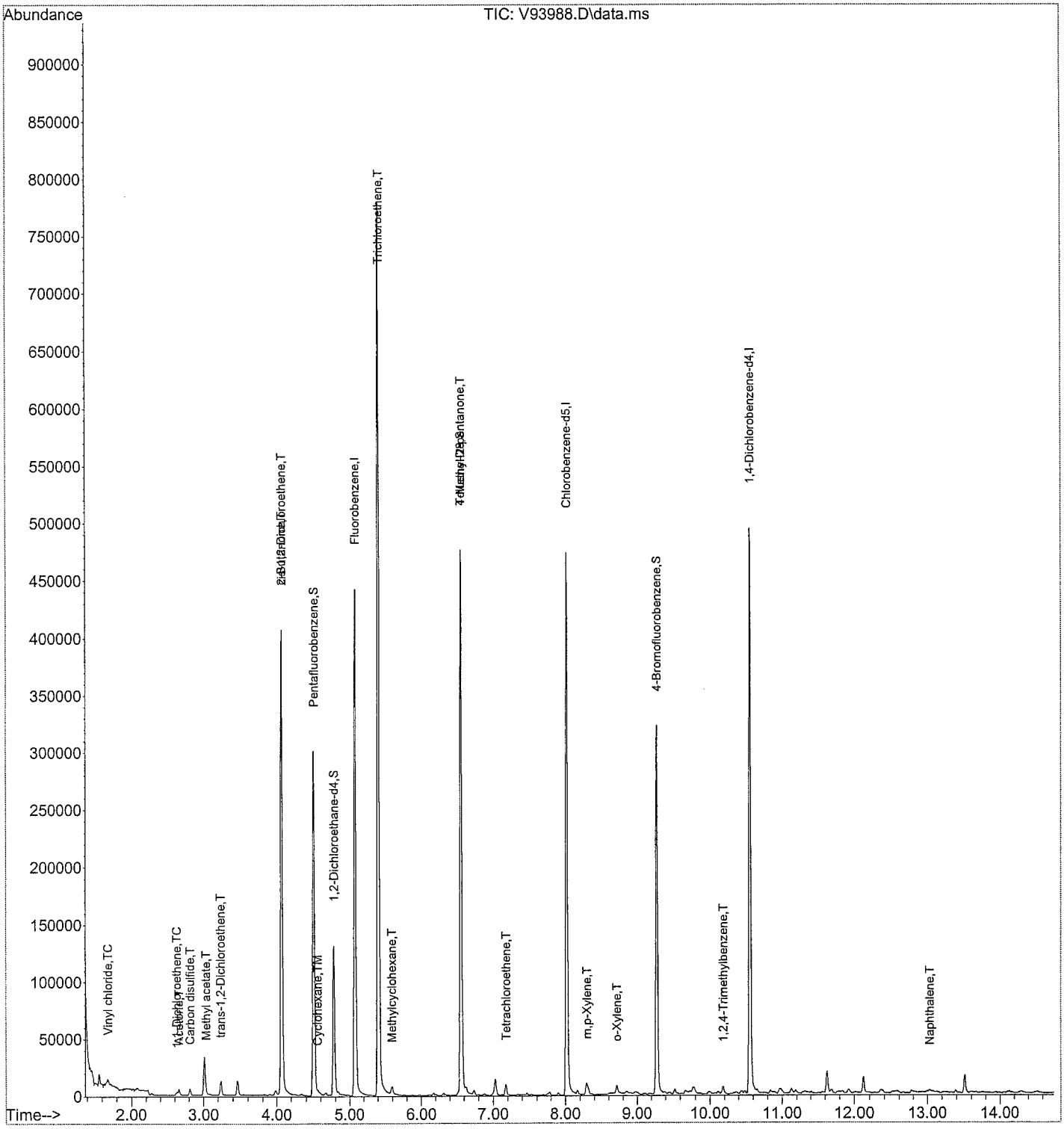
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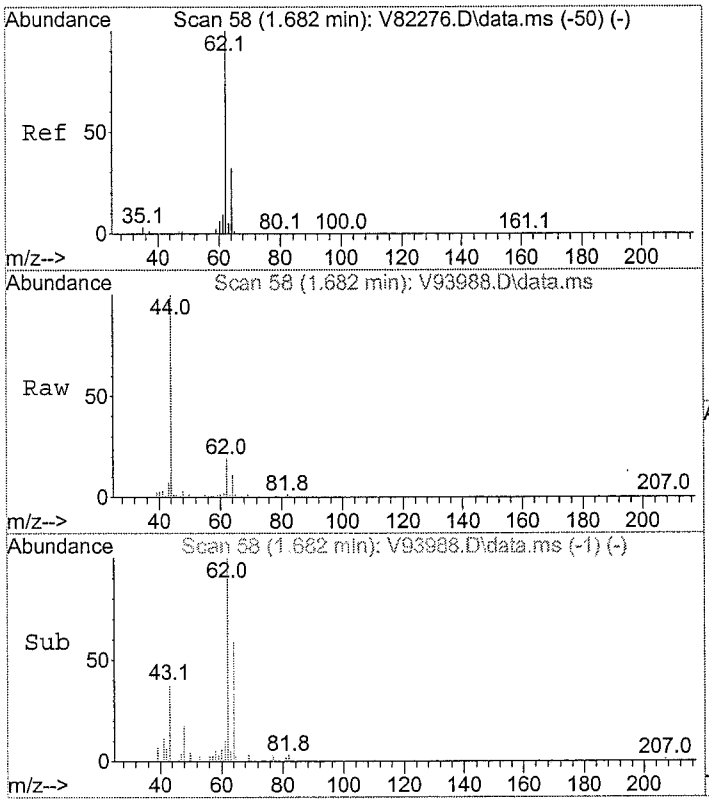
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.081	96	390676	50.00	ug/L	0.00
54) Chlorobenzene-d5	8.022	117	292317	50.00	ug/L	0.00
75) 1,4-Dichlorobenzene-d4	10.557	152	155454	50.00	ug/L	0.00
System Monitoring Compounds						
26) Pentafluorobenzene	4.510	168	206222	47.02	ug/L	0.00
Spiked Amount 50.000	Range 90 - 117		Recovery = 94.04%			
29) 1,2-Dichloroethane-d4	4.782	65	84372	45.14	ug/L	0.00
Spiked Amount 50.000	Range 64 - 106		Recovery = 90.28%			
45) Toluene-D8	6.559	98	322840	41.69	ug/L	0.00
Spiked Amount 50.000	Range 85 - 106		Recovery = 83.38%#			
64) 4-Bromofluorobenzene	9.276	95	115956	37.49	ug/L	0.00
Spiked Amount 50.000	Range 79 - 99		Recovery = 74.98%#			
Target Compounds						Qvalue
J 4) Vinyl chloride	1.682	62	2338	1.47	ug/L #	69
5) Bromomethane	1.948	94	189	Below Cal		85
10) 1,1-Dichloroethene	2.626	61	1259	0.58	ug/L BRL	85
11) Acetone	2.658	43	5107	4.86	ug/L BRL	98
J 12) Carbon disulfide	2.813	76	6361	1.44	ug/L	100
13) Methyl acetate	3.032	43	1266	1.28 ug/L	#NCMS	49
14) Methylene chloride	3.011	84	14282	Below Cal		98
15) Acrylonitrile	3.032	53	19	Below Cal		87
18) trans-1,2-Dichloroethene	3.235	61	4376	2.01	ug/L	99
22) 2-Butanone	4.073	72	1244	7.64 ug/L	#NCMS	1
23) cis-1,2-Dichloroethene	4.073	96	170580	83.67	ug/L	92
33) Trichloroethene	5.417	130	262457	112.87	ug/L	96
34) Methylcyclohexane	5.588	83	2242	0.63	ug/L BRL	87
44) 4-Methyl-2-pentanone	6.559	58	2216	3.42 ug/L	#NCRT	1
J 50) Tetrachloroethene	7.173	166	2992	1.13	ug/L	97
58) m,p-Xylene	8.294	106	2934	0.79	ug/L BRL	99
59) o-Xylene	8.716	106	1723	0.44	ug/L	99
72) 1,2,4-Trimethylbenzene	10.178	105	3515	(NT) 0.42	ug/L	97
85) Naphthalene	13.028	128	2754	(NT) 0.36	ug/L	98
86) Cyclohexane	4.558	56	1095	0.35	ug/L # BRL	68

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

Data File: C:\msdchem\1\DATA\111208\V93988.D
DataAcq Meth:8260RUN.M
Acq On : 8 Dec 2011 11:55 pm Operator: Bill Brew
Sample : SOIL #17510 Inst : Instrument #1
Misc : Soil 2.60g
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 09 07:50:51 2011
Quant Method : C:\msdchem\1\METHODS\120811.M
Quant Title : 8260/624 Analysis
QLast Update : Fri Dec 09 07:49:08 2011
Response via : Initial Calibration
Integrator: RTE

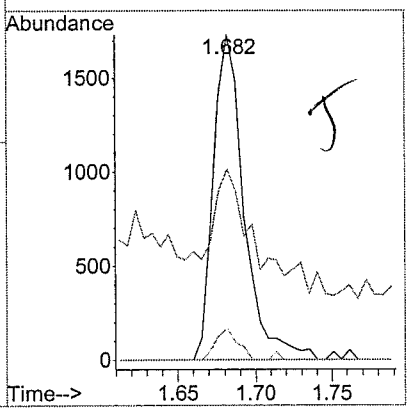


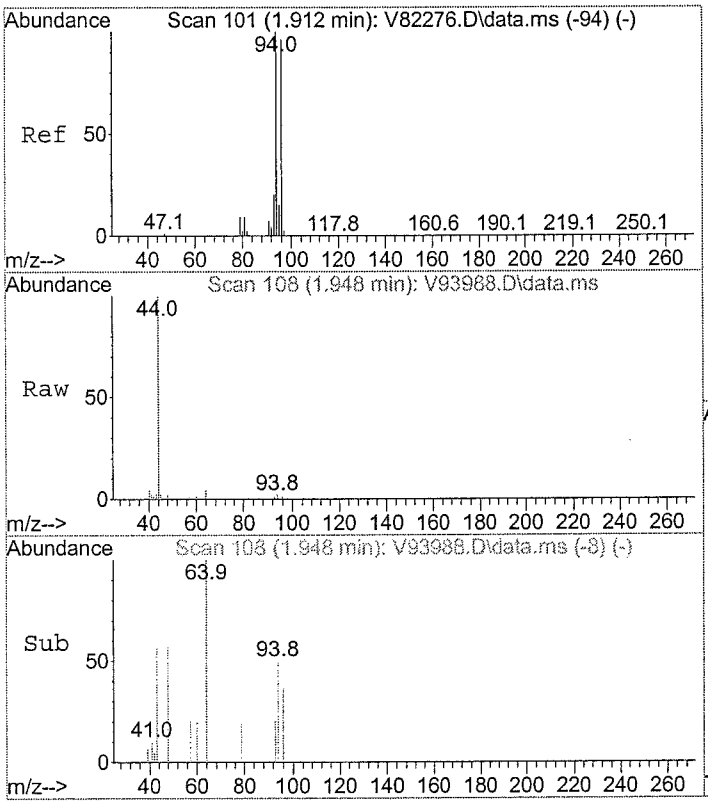


#4
Vinyl chloride
Concen: 1.47 ug/L
RT: 1.682 min Scan# 58
Delta R.T. 0.005 min
Lab File: V93988.D
Acq: 8 Dec 11 11:55 pm

Tgt Ion: 62 Resp: 2338

Ion	Ratio	Lower	Upper
62	100		
64	53.1	12.2	52.2#
61	6.8	0.0	28.3

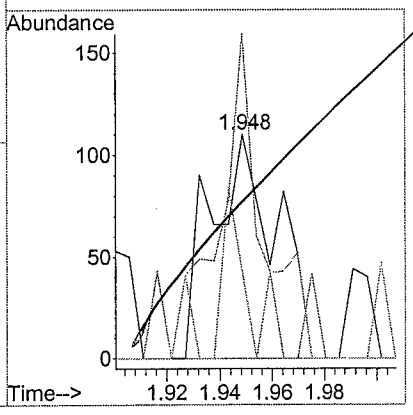


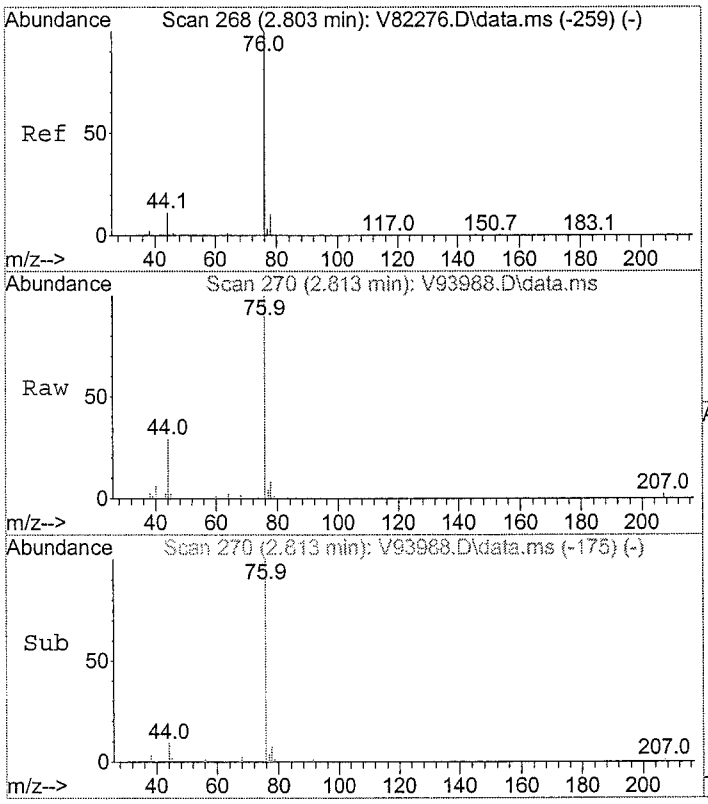


#5
Bromomethane
Concen: Below ug/L
RT: 1.948 min Scan# 108
Delta R.T. 0.032 min
Lab File: V93988.D
Acq: 8 Dec 11 11:55 pm

Tgt Ion: 94 Resp: 189

Ion	Ratio	Lower	Upper
94	100		
96	81.0	73.3	113.3
79	21.2	0.0	29.8

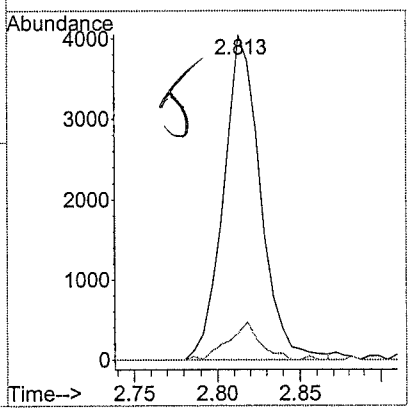


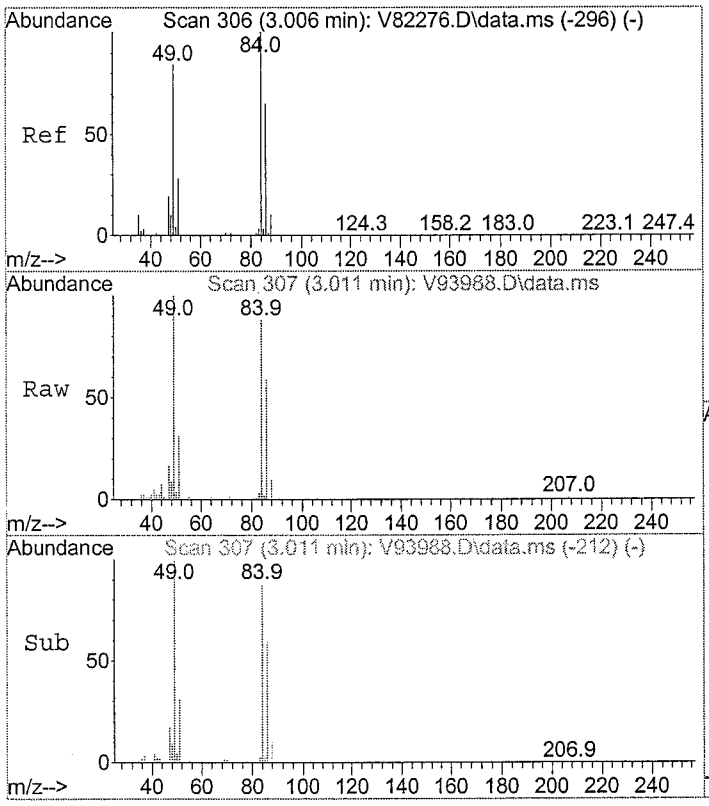


#12
Carbon disulfide
Concen: 1.44 ug/L
RT: 2.813 min Scan# 270
Delta R.T. 0.005 min
Lab File: V93988.D
Acq: 8 Dec 11 11:55 pm

Tgt Ion: 76 Resp: 6361

Ion	Ratio	Lower	Upper
76	100		
78	9.6	0.0	29.4

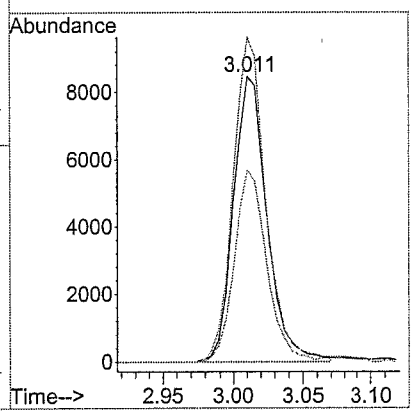


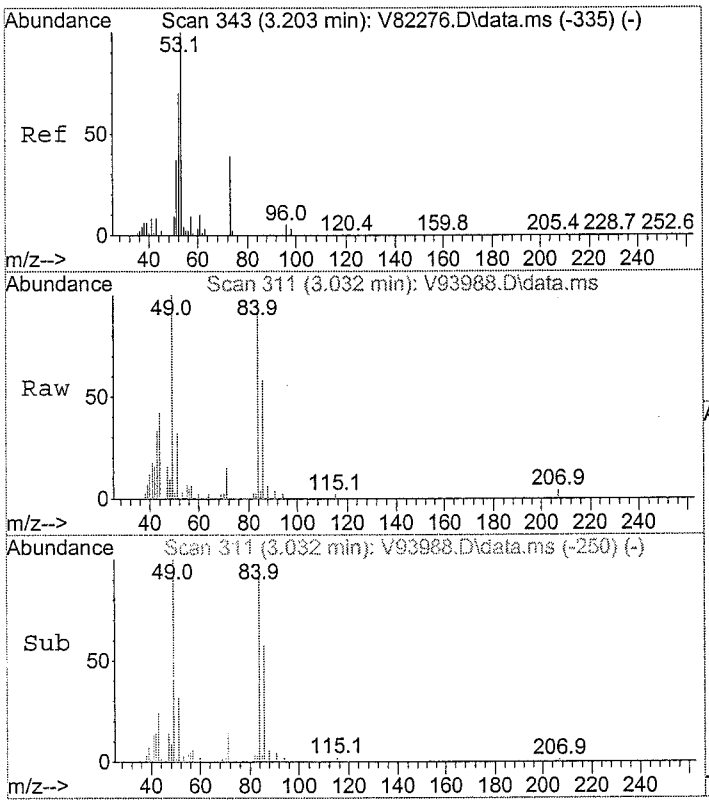


#14
Methylene chloride
Concen: Below ug/L
RT: 3.011 min Scan# 307
Delta R.T. 0.005 min
Lab File: V93988.D
Acq: 8 Dec 11 11:55 pm

Tgt Ion: 84 Resp: 14282

Ion	Ratio	Lower	Upper
84	100		
49	113.1	90.1	130.1
86	65.2	44.9	84.9

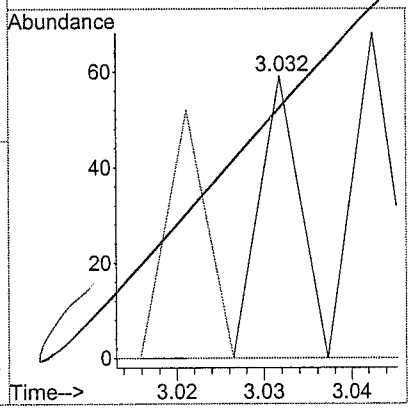




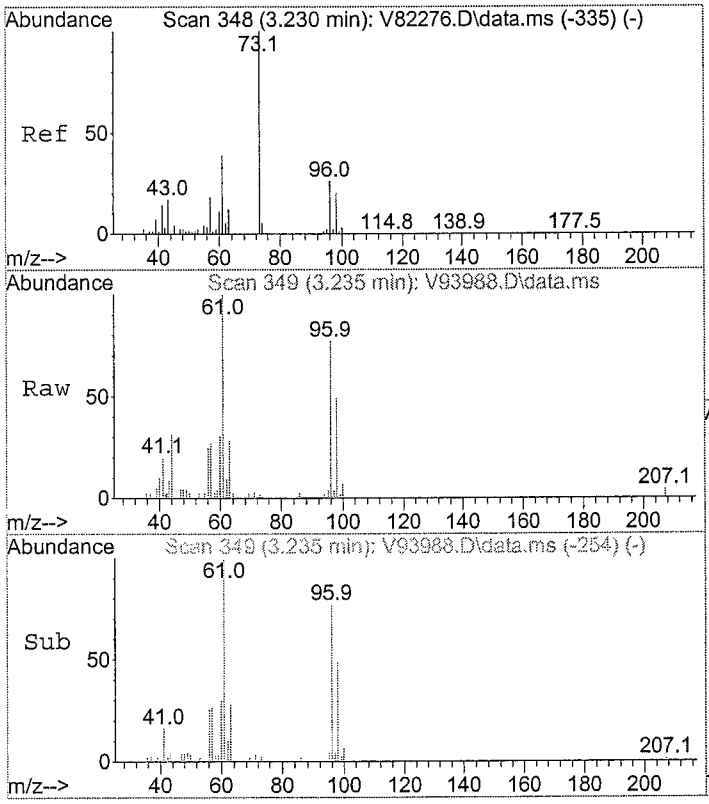
#15
Acrylonitrile
Concen: Below ug/L
RT: 3.032 min Scan# 311
Delta R.T -0.176 min
Lab File: V93988.D
Acq: 8 Dec 11 11:55 pm

Tgt Ion: 53 Resp: 19

Ion	Ratio	Lower	Upper
53	100		
52	89.5	58.5	98.5



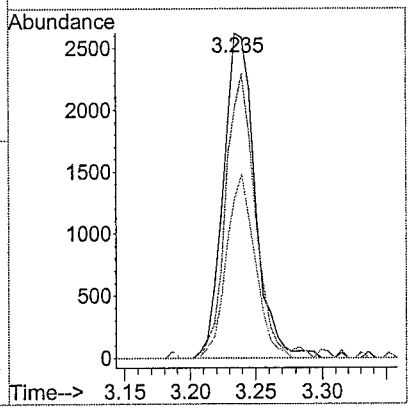
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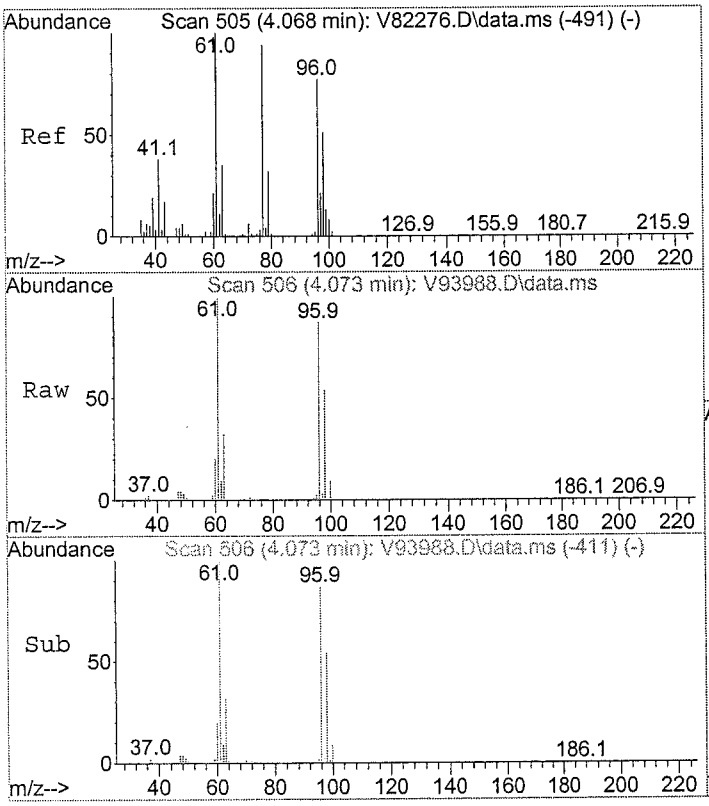


#18
trans-1,2-Dichloroethene
Concen: 2.01 ug/L
RT: 3.235 min Scan# 349
Delta R.T. 0.005 min
Lab File: V93988.D
Acq: 8 Dec 11 11:55 pm

Tgt Ion: 61 Resp: 4376

Ion	Ratio	Lower	Upper
61	100		
96	81.6	59.6	99.6
98	50.7	30.7	70.7

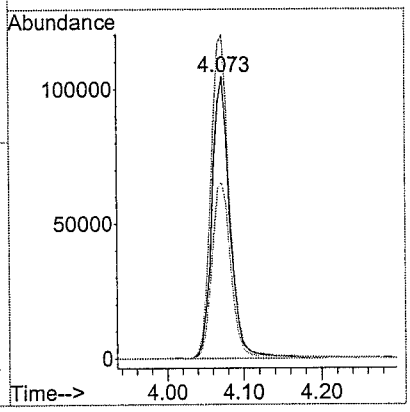


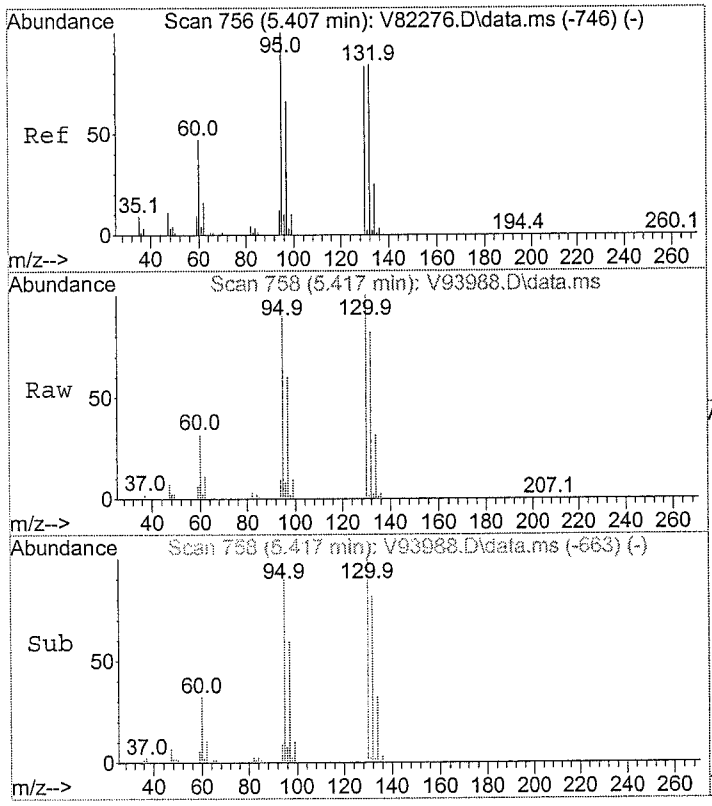


#23
cis-1,2-Dichloroethene
Concen: 83.67 ug/L
RT: 4.073 min Scan# 506
Delta R.T. 0.005 min
Lab File: V93988.D
Acq: 8 Dec 11 11:55 pm

Tgt Ion: 96 Resp: 170580

Ion	Ratio	Lower	Upper
96	100		
61	120.0	113.5	153.5
98	66.7	45.9	85.9

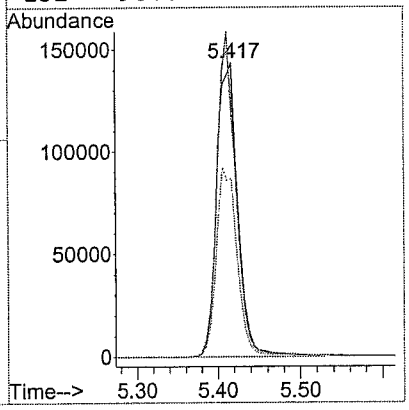


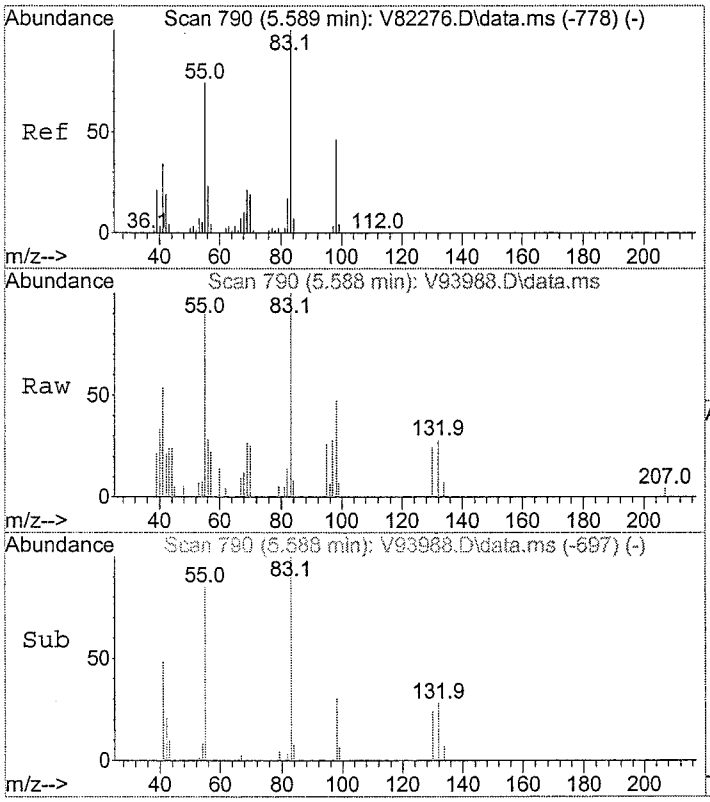


#33
Trichloroethene
Concen: 112.87 ug/L
RT: 5.417 min Scan# 758
Delta R.T. 0.005 min
Lab File: V93988.D
Acq: 8 Dec 11 11:55 pm

Tgt Ion:130 Resp: 262457

Ion	Ratio	Lower	Upper
130	100		
95	98.8	73.4	113.4
97	63.5	41.0	81.0
132	98.7	76.3	116.3

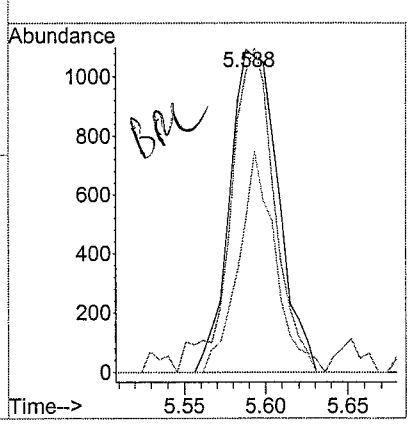


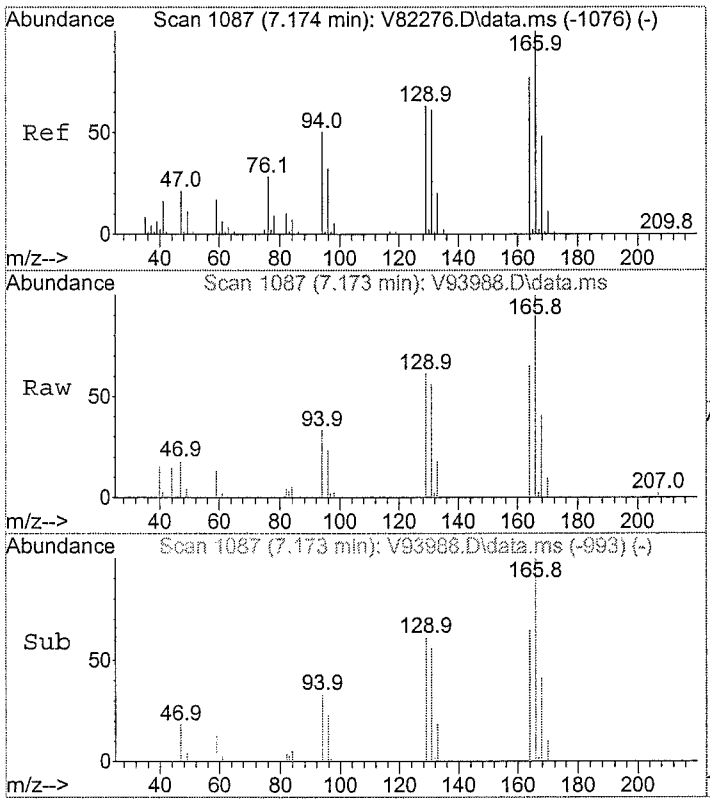


#34
Methylcyclohexane
Concen: 0.63 ug/L
RT: 5.588 min Scan# 790
Delta R.T. -0.006 min
Lab File: V93988.D
Acq: 8 Dec 11 11:55 pm

Tgt Ion: 83 Resp: 2242

Ion	Ratio	Lower	Upper
83	100		
55	92.6	54.7	94.7
98	51.4	30.4	70.4

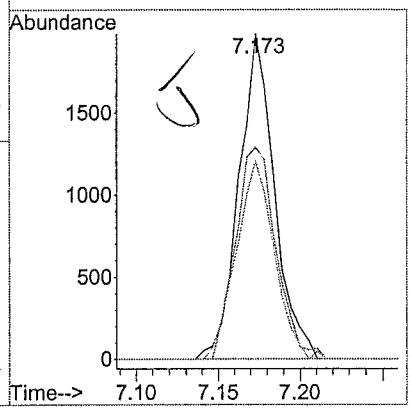




#50
Tetrachloroethene
Concen: 1.13 ug/L
RT: 7.173 min Scan# 1087
Delta R.T. -0.000 min
Lab File: V93988.D
Acq: 8 Dec 11 11:55 pm

Tgt Ion:166 Resp: 2992

Ion	Ratio	Lower	Upper
166	100		
164	74.5	57.8	97.8
129	65.6	47.3	87.3



VOLATILE ORGANICS

STANDARDS DATA

Response Factor Report Instrument #1

Method Path : C:\msdchem\1\METHODS\
Method File : 120811.M
Title : 8260/624 Analysis
Last Update : Fri Dec 09 07:30:39 2011
Response Via : Initial Calibration

12/9/11

Calibration Files
1 =V93971.D 2 =V93972.D 3 =V93973.D 4 =V93974.D 5 =V93975.D 6 =V93976.D 7 =V93977.D

		Compound	1	2	3	4	5	6	7	Avg	%RSD
1)	I	Fluorobenzene	ISTD								
2)	T	Dichlorodifluo...	0.148	0.127	0.134	0.128	0.125	0.120	0.123	0.129	7.14
3)	TP	Chloromethane	0.249	0.236	0.235	0.218	0.205	0.204	0.210	0.222	7.98
4)	TC	Vinyl chloride	0.204	0.204	0.210	0.207	0.203	0.193	0.201	0.203	2.68
5)	T	Bromomethane	0.164	0.131	0.137	0.131	0.121	0.110	0.104	0.128	15.39
6)	T	Chloroethane	0.152	0.136	0.131	0.131	0.118	0.111	0.110	0.127	11.87
7)	T	Trichlorofluor...	0.331	0.312	0.329	0.321	0.308	0.289	0.295	0.312	5.18
8)	T	Ethyl ether	0.147	0.148	0.153	0.156	0.150	0.142	0.147	0.149	2.94
9)	T	Freon 113	0.214	0.211	0.220	0.213	0.201	0.189	0.194	0.206	5.48
10)	TC	1,1-Dichloroet...	0.293	0.278	0.302	0.291	0.272	0.254	0.258	0.278	6.55
11)	T	Acetone	0.476	0.120	0.064	0.050	0.045	0.042	0.043	0.120	132.97
12)	T	Carbon disulfide	0.550	0.573	0.613	0.598	0.549	0.543	0.537	0.566	5.22
13)	T	Methyl acetate	0.165	0.128	0.122	0.122	0.120	0.111	0.117	0.126	13.96
14)	T	Methylene chlo...	1.655	0.527	0.307	0.248	0.219	0.208	0.203	0.481	110.18
15)	T	Acrylonitrile	0.088	0.061	0.060	0.061	0.061	0.058	0.057	0.064	16.71
16)	T	tert-Butyl Alc...	0.021	0.020	0.022	0.021	0.020	0.019	0.019	0.020	5.93
17)	T	Methyl tert-bu...	0.579	0.545	0.579	0.573	0.535	0.514	0.504	0.547	5.70
18)	T	trans-1,2-Dich...	0.280	0.293	0.305	0.290	0.271	0.255	0.253	0.278	7.07
19)	TP	1,1-Dichloroet...	0.375	0.379	0.407	0.394	0.383	0.366	0.366	0.382	3.89
20)	T	Vinyl acetate	0.279	0.254	0.280	0.275	0.263	0.265	0.251	0.267	4.33
21)	T	2,2-Dichloropr...	0.339	0.369	0.366	0.358	0.342	0.317	0.317	0.344	6.24
22)	T	2-Butanone		0.025	0.022	0.021	0.020	0.019	0.019	0.021	10.31
23)	T	cis-1,2-Dichlo...	0.298	0.267	0.270	0.265	0.252	0.240	0.235	0.261	8.14
24)	T	Bromochloromet...	0.115	0.123	0.137	0.133	0.125	0.122	0.120	0.125	6.08
25)	TC	Chloroform	0.568	0.475	0.473	0.457	0.428	0.406	0.404	0.459	12.31
26)	S	Pentafluoroben...	0.785	0.620	0.605	0.584	0.532	0.504	0.493	0.589	16.90
27)	UN	Tetrahydrofuran	0.109	0.096	0.101	0.104	0.098	0.095	0.095	0.100	5.38
28)	T	1,1,1-Trichlor...	0.415	0.403	0.426	0.413	0.386	0.364	0.360	0.395	6.53
29)	S	1,2-Dichloroet...	0.356	0.254	0.255	0.248	0.240	0.230	0.230	0.259	17.02
30)	T	Carbon Tetrach...	0.345	0.358	0.367	0.357	0.339	0.321	0.320	0.344	5.36
31)	T	Benzene	1.009	1.011	1.052	0.993	0.925	0.870	0.858	0.960	7.89
32)	T	1,2-Dichloroet...	0.289	0.301	0.309	0.296	0.281	0.270	0.264	0.287	5.67
33)	T	Trichloroethene	0.294	0.305	0.323	0.314	0.291	0.282	0.274	0.298	5.81
34)	T	Methylcyclohexane	0.495	0.469	0.494	0.474	0.444	0.417	0.411	0.458	7.52
35)	UN	Ethyl acetate								0.000	-1.00
36)	TC	1,2-Dichloropr...	0.259	0.258	0.270	0.256	0.239	0.231	0.229	0.249	6.40
37)	UN	Isobutyl alcohol								0.000	-1.00
38)	T	Dibromomethane	0.147	0.147	0.153	0.146	0.139	0.132	0.133	0.142	5.49

Initial Calibration Summary Table

Method Path : C:\msdchem\1\METHODS\
Method File : 120811.M

39)	T	Bromodichlorom...	0.368	0.343	0.358	0.353	0.346	0.332	0.327	0.347	4.14
40)	T	2-Chloroethyl ...		0.002	0.003	0.003	0.004	0.003	0.003	0.003	19.57
41)	UN	Isopropyl acetate								0.000	-1.00
42)	T	1,1-Dichloropr...	0.355	0.340	0.351	0.331	0.317	0.296	0.292	0.326	7.77
43)	T	cis-1,3-Dichlo...	0.374	0.402	0.437	0.435	0.409	0.403	0.397	0.408	5.39
44)	T	4-Methyl-2-pen...	0.078	0.081	0.083	0.086	0.085	0.084	0.083	0.083	3.29
45)	S	Toluene-D8	1.238	1.004	1.058	0.993	0.930	0.873	0.842	0.991	13.40
46)	TC	Toluene	1.202	1.175	1.203	1.149	1.061	0.966	0.956	1.102	9.75
47)	T	trans-1,3-Dich...	0.342	0.343	0.389	0.389	0.376	0.364	0.360	0.366	5.34
48)	T	1,1,2-Trichlor...	0.241	0.218	0.237	0.232	0.222	0.210	0.206	0.224	5.94
49)	T	1,3-Dichloropr...	0.359	0.355	0.372	0.363	0.343	0.329	0.323	0.349	5.20
50)	T	Tetrachloroethene	0.352	0.356	0.369	0.350	0.327	0.303	0.307	0.338	7.59
51)	T	2-Hexanone	0.140	0.113	0.133	0.134	0.133	0.134	0.134	0.131	6.57
52)	T	Dibromochlorom...	0.271	0.262	0.288	0.291	0.282	0.275	0.272	0.277	3.78
53)	T	1,2-Dibromoethane	0.240	0.225	0.243	0.240	0.231	0.226	0.222	0.232	3.54
54)	I	Chlorobenzene-d5	----------ISTD----------								
55)	TP	Chlorobenzene	1.016	1.043	1.048	1.037	0.980	0.940	0.918	0.997	5.26
56)	T	1,1,1,2-Tetrac...	0.356	0.380	0.407	0.399	0.383	0.369	0.360	0.379	5.05
57)	TC	Ethylbenzene	1.767	1.812	1.782	1.740	1.604	1.507	1.422	1.662	9.17
58)	T	m,p-Xylene	0.691	0.694	0.685	0.647	0.598	0.564	0.542	0.632	10.10
59)	T	o-Xylene	0.760	0.721	0.701	0.682	0.632	0.593	0.574	0.666	10.28
60)	T	Styrene	1.026	1.106	1.114	1.071	0.988	0.916	0.880	1.014	9.02
61)	TP	Bromoform	0.215	0.222	0.262	0.274	0.270	0.268	0.259	0.253	9.50
62)	T	Isopropylbenzene	1.745	1.805	1.862	1.808	1.690	1.568	1.500	1.711	7.82
63)	T	1,2,3-Trichlor...	0.109	0.110	0.113	0.111	0.108	0.106	0.103	0.109	3.21
64)	S	4-Bromofluorob...	0.652	0.549	0.533	0.516	0.503	0.483	0.466	0.529	11.57
65)	T	Bromobenzene	0.476	0.478	0.495	0.480	0.451	0.428	0.407	0.459	6.92
66)	TP	1,1,2,2-Tetrac...	0.355	0.356	0.374	0.373	0.350	0.340	0.321	0.353	5.25
67)	T	n-Propylbenzene	1.916	2.027	2.042	1.989	1.854	1.734	1.647	1.887	8.01
68)	T	2-Chlorotoluene	0.441	0.472	0.465	0.456	0.433	0.414	0.393	0.439	6.44
69)	T	4-Chlorotoluene	0.455	0.467	0.458	0.440	0.407	0.384	0.369	0.426	9.14
70)	T	1,3,5-Trimethy...	1.466	1.528	1.550	1.494	1.355	1.268	1.193	1.408	9.79
71)	T	tert-Butylbenzene	0.366	0.374	0.388	0.365	0.346	0.321	0.307	0.352	8.38
72)	T	1,2,4-Trimethy...	1.583	1.534	1.543	1.479	1.345	1.275	1.198	1.422	10.51
73)	T	sec-Butylbenzene	2.011	1.974	2.042	1.958	1.816	1.700	1.588	1.870	9.25
74)	T	p-Isopropyltol...	1.765	1.710	1.750	1.685	1.566	1.461	1.371	1.615	9.46
75)	I	1,4-Dichlorobenzen...	----------ISTD----------								
76)	T	1,3-Dichlorobe...	1.653	1.634	1.666	1.668	1.620	1.594	1.534	1.624	2.93
77)	T	1,4-Dichlorobe...	1.736	1.596	1.600	1.610	1.559	1.552	1.495	1.593	4.67
78)	T	n-Butylbenzene	2.799	2.837	2.899	2.827	2.663	2.583	2.429	2.720	6.19
79)	T	1,2-Dichlorobe...	1.541	1.564	1.555	1.510	1.414	1.358	1.320	1.466	6.86
80)	UN	Tetraethyllead								0.000	-1.00
81)	T	1,2-Dibromo-3-...	0.150	0.149	0.162	0.172	0.176	0.184	0.184	0.168	8.87
82)	T	1,2,4-Trichlor...	1.322	1.236	1.207	1.273	1.230	1.221	1.156	1.235	4.21
83)	T	1,2,3-Trichlor...	1.288	1.103	1.114	1.159	1.123	1.130	1.077	1.142	6.05
84)	T	Hexachlorobuta...	0.895	0.835	0.845	0.821	0.797	0.791	0.767	0.821	5.12

ICAL Summary Table

Response Factor Report Instrument #1

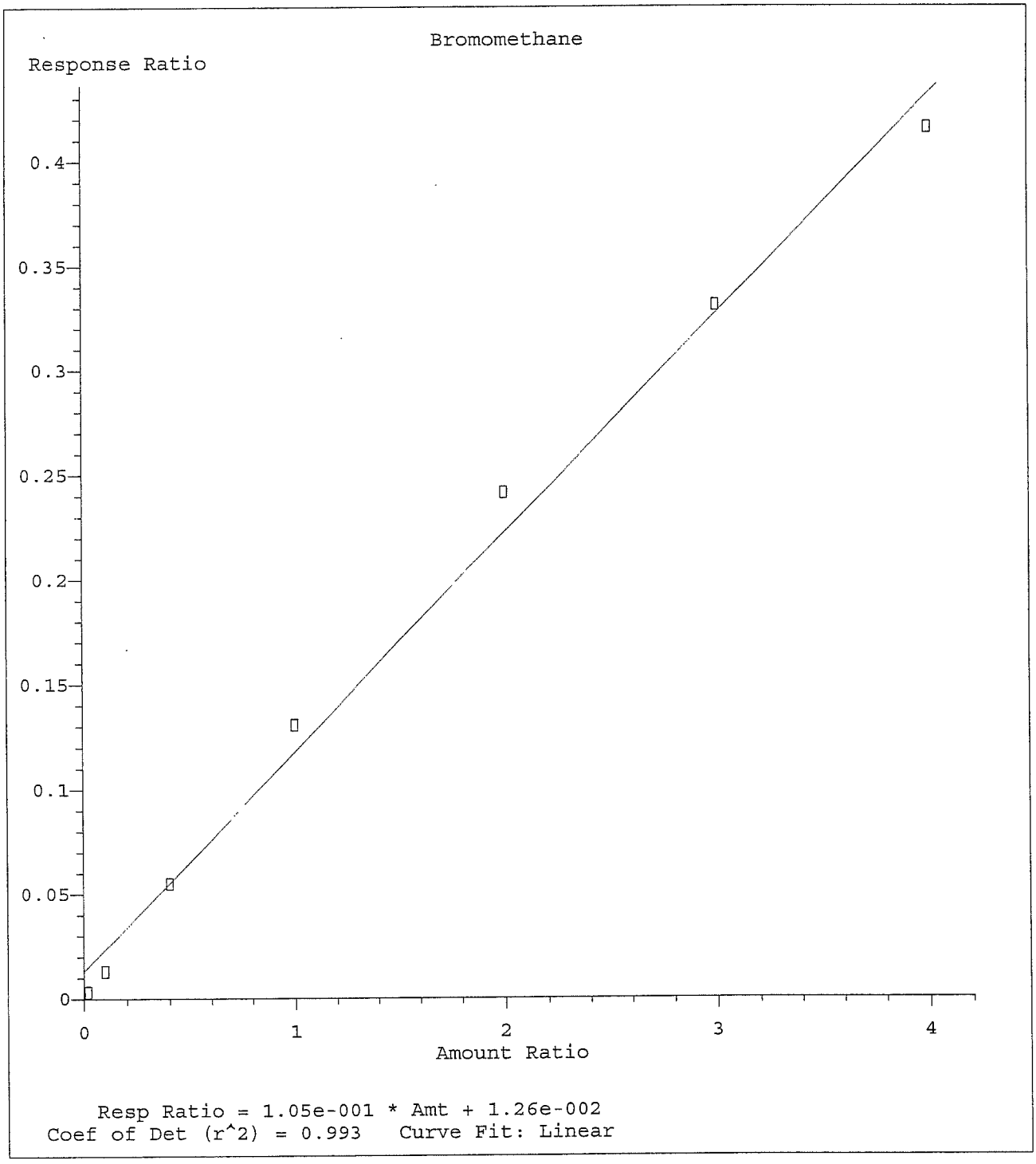
Method Path : C:\msdchem\1\METHODS\
Method File : 120811.M

85)	T	Naphthalene	3.098	2.276	2.329	2.378	2.330	2.380	2.247	2.434	12.19
86)	TM	Cyclohexane	1.019	1.044	1.005	0.991	0.934	1.060	0.949	1.000	4.67
87)	T	1,4-Dioxane			0.007	0.008	0.008	0.008	0.008	0.008	6.44
88)	T	tert-Butyl Ace...	0.398	0.420	0.452	0.450	0.434	0.434	0.421	0.430	4.43

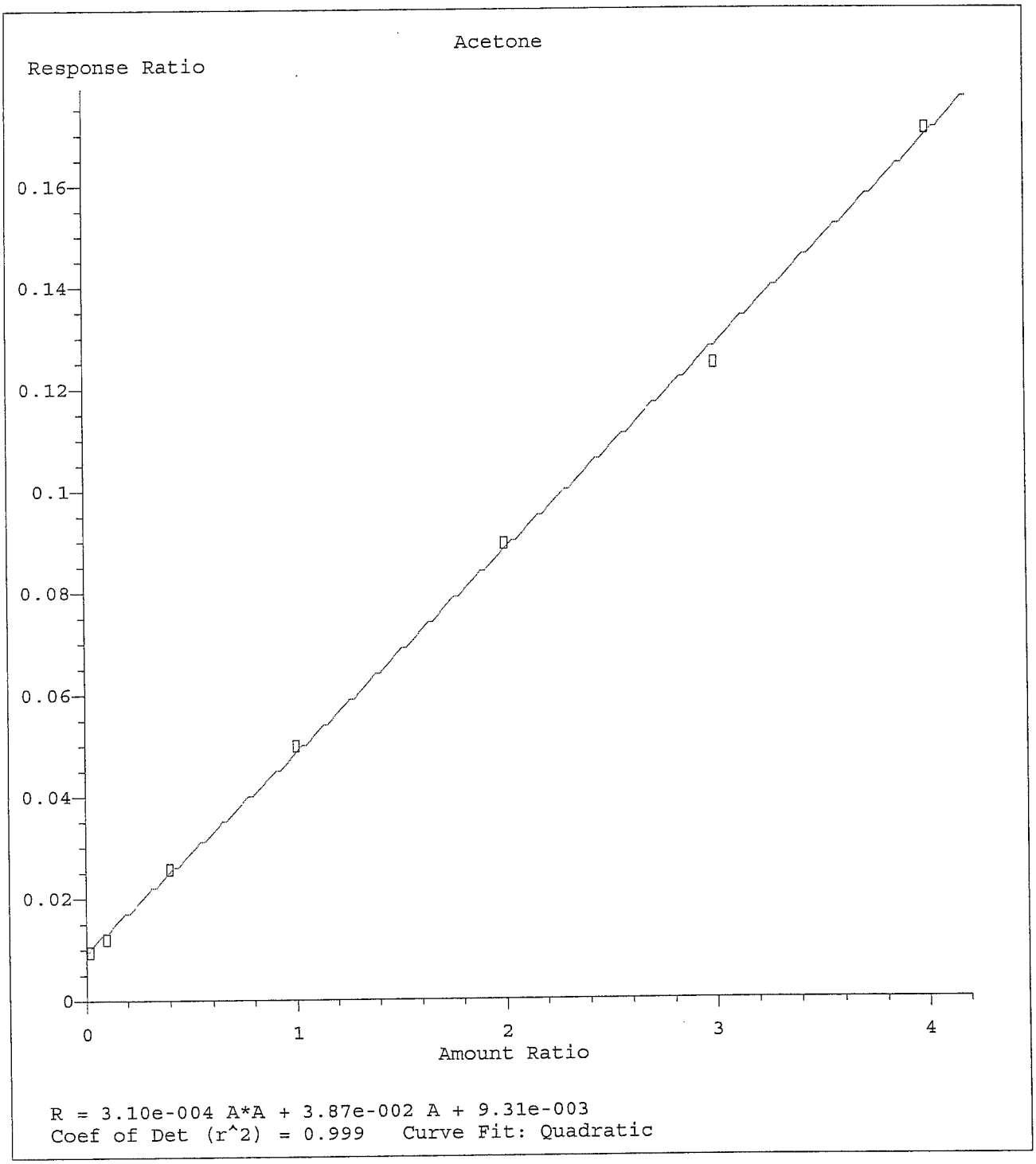
(#) = Out of Range

* = Curve is non-avg. RF calibration

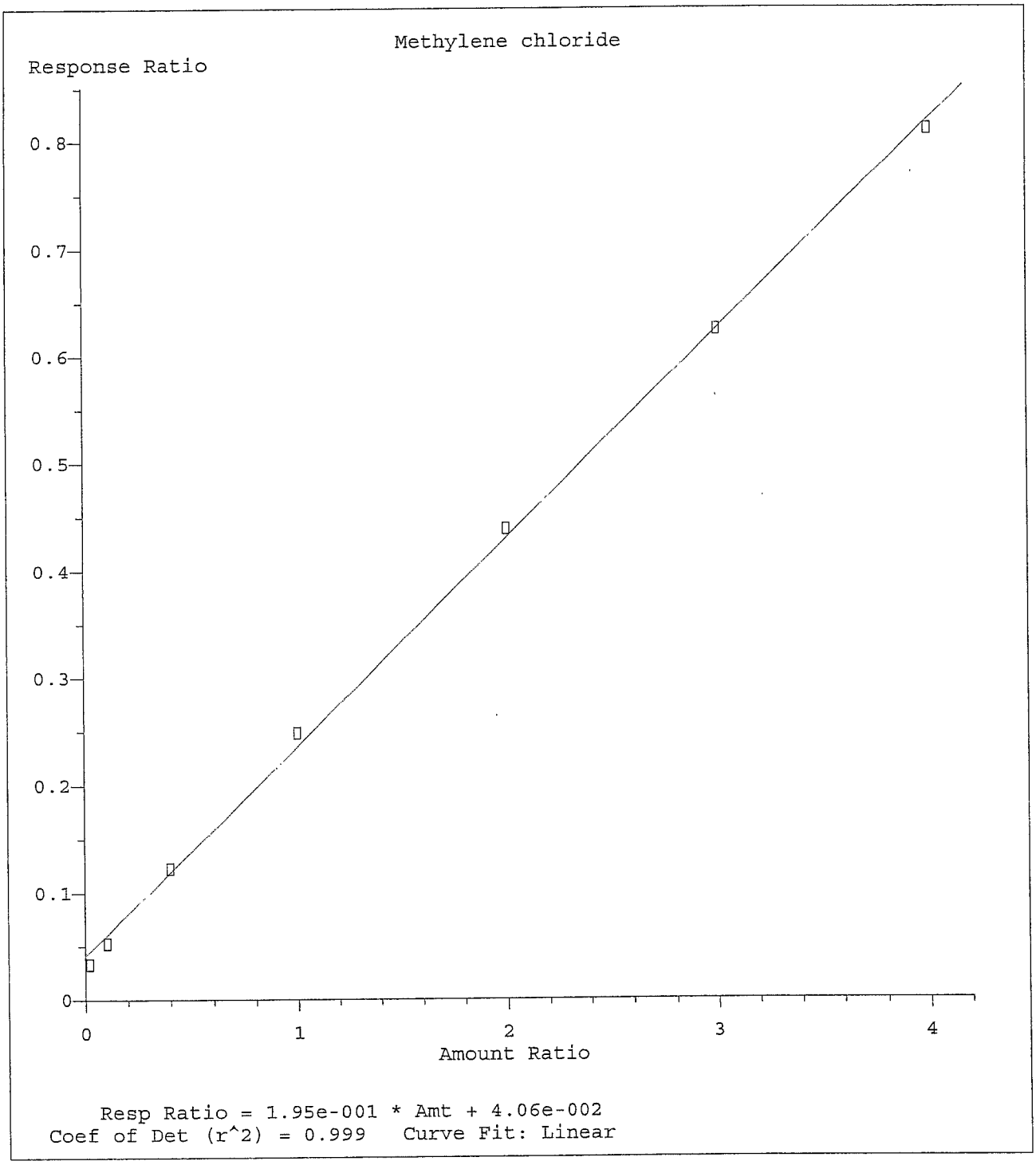
Ical Summary Table



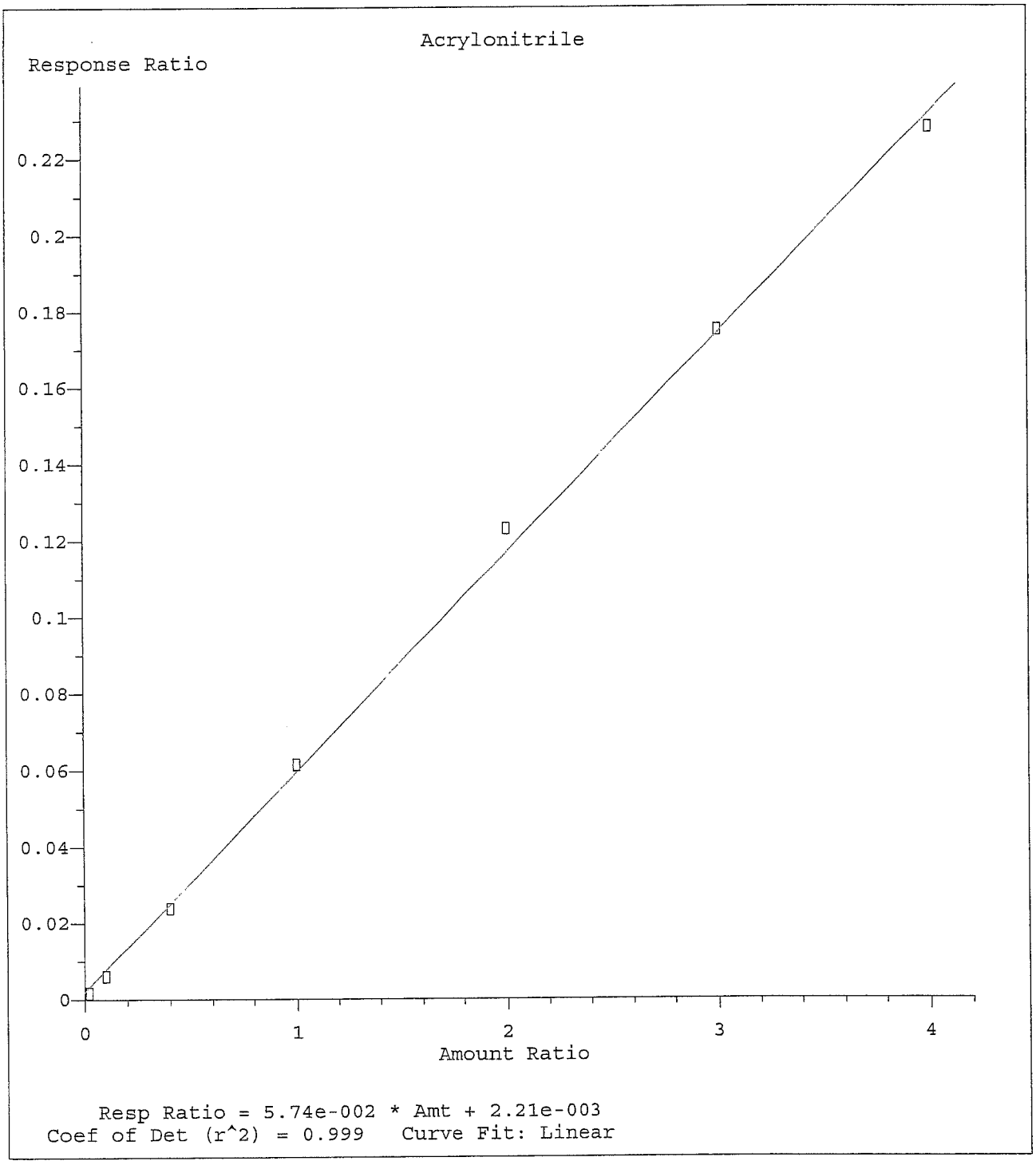
Method Name: C:\msdchem\1\METHODS\120811.M
Calibration Table Last Updated: Fri Dec 09 07:27:41 2011



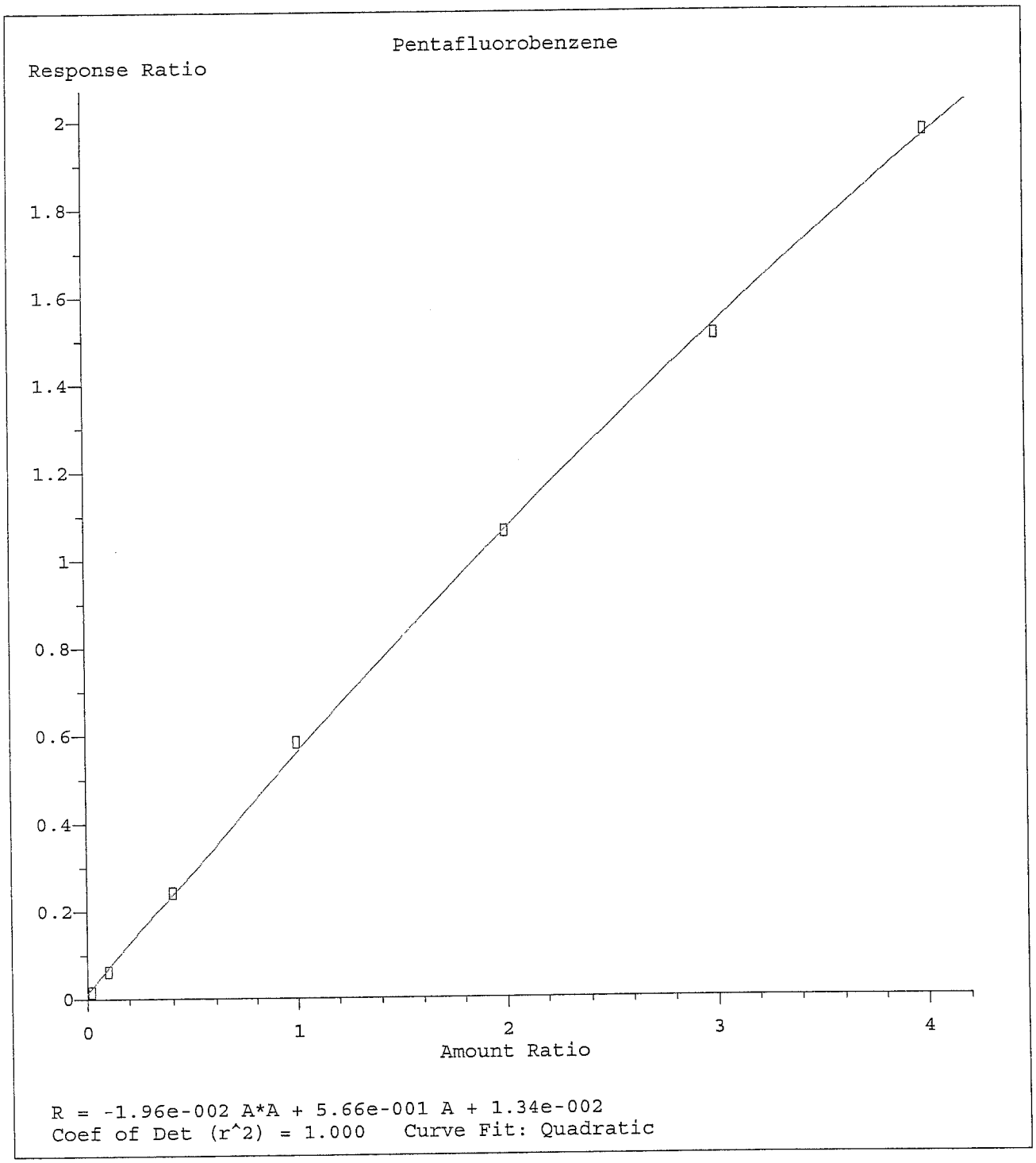
Method Name: C:\msdchem\1\METHODS\120811.M
Calibration Table Last Updated: Fri Dec 09 07:28:34 2011



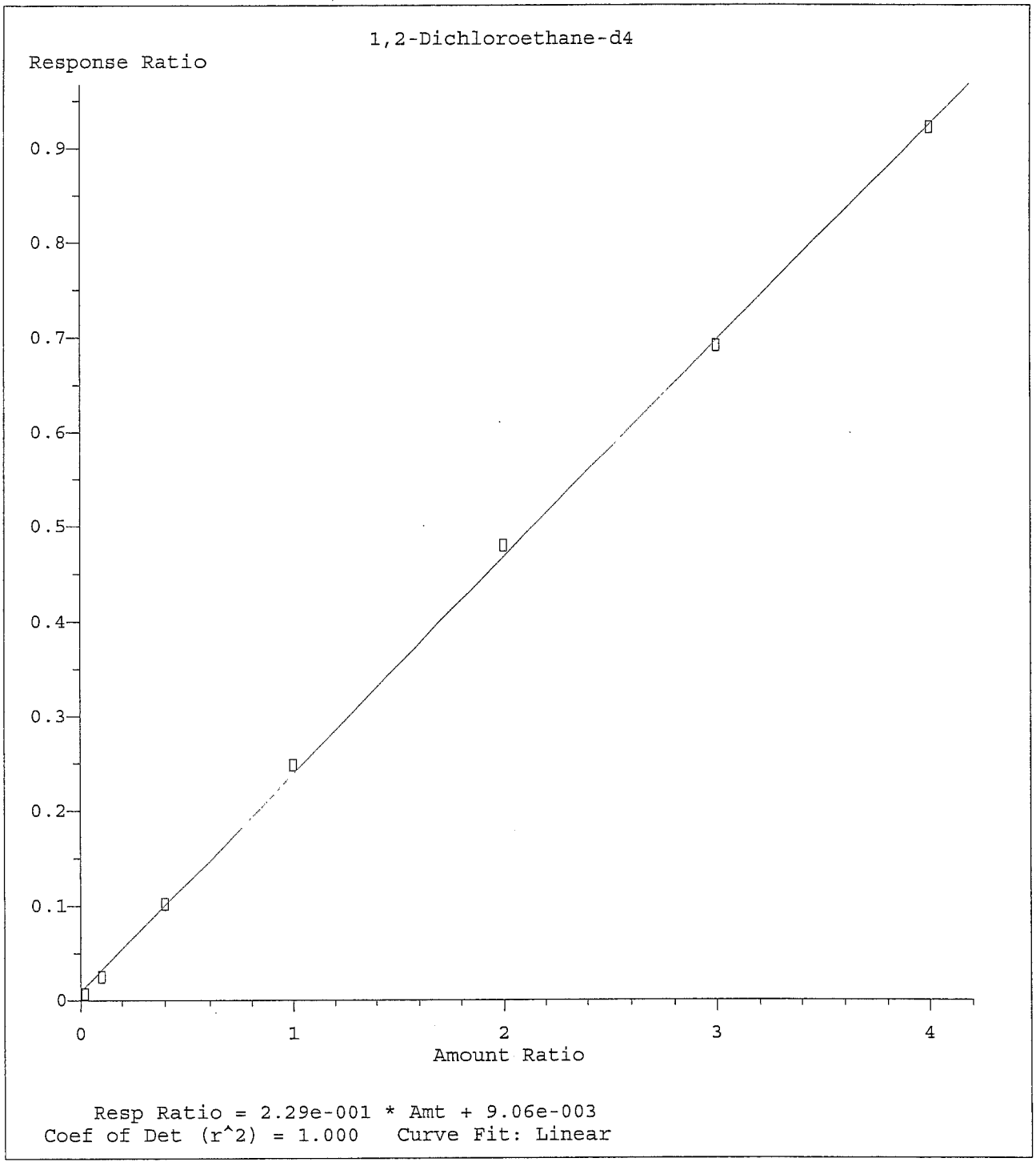
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Calibration Table Last Updated: Fri Dec 09 07:28:34 2011



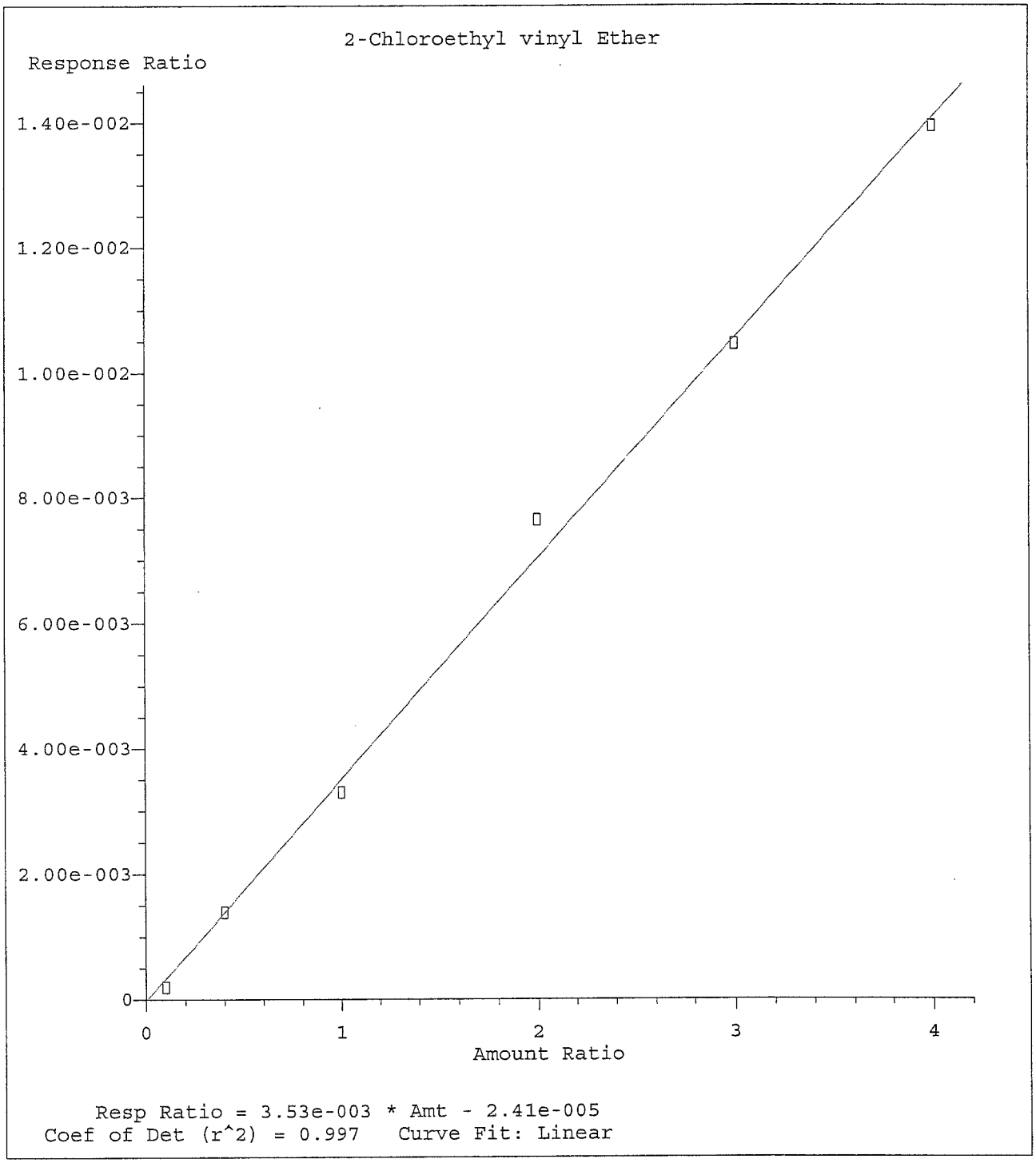
Method Name: C:\msdchem\1\METHODS\120811.M
Calibration Table Last Updated: Fri Dec 09 07:28:34 2011



Method Name: C:\msdchem\1\METHODS\120811.M
Calibration Table Last Updated: Fri Dec 09 07:46:48 2011



Method Name: C:\msdchem\1\METHODS\120811.M
Calibration Table Last Updated: Fri Dec 09 07:29:41 2011



Method Name: C:\msdchem\1\METHODS\120811.M
Calibration Table Last Updated: Fri Dec 09 07:30:20 2011

Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\111208\V93971.D
DataAcq Meth:8260RUN.M
Acq On : 8 Dec 2011 5:19 pm
Sample : 1ppb mega Cal
Misc :
ALS Vial : 4 Sample Multiplier: 1

Operator: Bill Brew
Inst : Instrument #1

Quant Time: Dec 09 07:02:09 2011
Quant Method : C:\msdchem\1\METHODS\120811.M
Quant Title : 8260/624 Analysis
QLast Update : Wed Dec 07 18:21:10 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	5.074	96	376516	50.00	ug/L		0.00
54) Chlorobenzene-d5	8.020	117	290804	50.00	ug/L		0.00
75) 1,4-Dichlorobenzene-d4	10.560	152	163119	50.00	ug/L		0.00
System Monitoring Compounds							
26) Pentafluorobenzene	4.508	168	5912	1.08	ug/L		0.00
Spiked Amount 50.000	Range 89 - 116		Recovery =	2.16%#			
29) 1,2-Dichloroethane-d4	4.780	65	2684	0.87	ug/L		0.00
Spiked Amount 50.000	Range 66 - 106		Recovery =	1.74%#			
45) Toluene-D8	6.563	98	9325	1.50	ug/L		0.00
Spiked Amount 50.000	Range 87 - 107		Recovery =	3.00%#			
64) 4-Bromofluorobenzene	9.279	95	3794	1.23	ug/L		0.00
Spiked Amount 50.000	Range 84 - 97		Recovery =	2.46%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.450	85	1113	0.86	ug/L		98
3) Chloromethane	1.589	50	1874m (R)	0.86	ug/L		
4) Vinyl chloride	1.674	62	1538	0.61	ug/L	#	1
5) Bromomethane	1.930	94	1234m (R)	0.93	ug/L		
6) Chloroethane	2.010	64	1147m (R)	0.76	ug/L		
7) Trichlorofluoromethane	2.213	101	2493	0.57	ug/L		95
8) Ethyl ether	2.432	59	1108	0.55	ug/L		100
9) Freon 113	2.624	101	1615	0.63	ug/L		94
10) 1,1-Dichloroethene	2.619	61	2203	0.55	ug/L		80
11) Acetone	2.651	43	3584	Below Cal			97
12) Carbon disulfide	2.806	76	4138	0.58	ug/L		83
13) Methyl acetate	2.918	43	1240	0.68	ug/L	#	95
14) Methylene chloride	3.008	84	12466	Below Cal		#	83
15) Acrylonitrile	3.201	53	660	0.74	ug/L		93
16) tert-Butyl Alcohol	3.078	59	15822	54.21	ug/L	#	65
17) Methyl tert-butyl Ether	3.233	73	4361	0.60	ug/L		72
18) trans-1,2-Dichloroethene	3.227	61	2106	0.53	ug/L		80
19) 1,1-Dichloroethane	3.574	63	2825	0.52	ug/L		96
20) Vinyl acetate	3.617	43	2100	0.49	ug/L		94
21) 2,2-Dichloropropane	4.070	77	2553	0.49	ug/L		89
23) cis-1,2-Dichloroethene	4.065	96	2245	0.66	ug/L	#	80
24) Bromochloromethane	4.273	128	868	0.61	ug/L	#	79
25) Chloroform	4.337	83	4278	0.79	ug/L		97
27) Tetrahydrofuran	4.316	42	824m (R)	0.58	ug/L		
28) 1,1,1-Trichloroethane	4.503	97	3123	0.67	ug/L	#	84
30) Carbon Tetrachloride	4.652	117	2595	0.66	ug/L		99
31) Benzene	4.834	78	7597	1.16	ug/L		100
32) 1,2-Dichloroethane	4.844	62	2179	0.79	ug/L		87
33) Trichloroethene	5.415	130	2214	0.96	ug/L		95
34) Methylcyclohexane	5.586	83	3730	1.44	ug/L		96
36) 1,2-Dichloropropane	5.613	63	1949	1.36	ug/L	#	57
38) Dibromomethane	5.725	93	1104	1.13	ug/L		88
39) Bromodichloromethane	5.869	83	2773	0.94	ug/L		99
42) 1,1-Dichloropropene	4.647	75	2675	0.80	ug/L		95
43) cis-1,3-Dichloropropene	6.296	75	2815	0.98	ug/L		91

Data File: C:\msdchem\1\DATA\111208\V93971.D
DataAcq Meth:8260RUN.M
Acq On : 8 Dec 2011 5:19 pm Operator: Bill Brew
Sample : 1ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 09 07:02:09 2011
Quant Method : C:\msdchem\1\METHODS\120811.M
Quant Title : 8260/624 Analysis
QLast Update : Wed Dec 07 18:21:10 2011
Response via : Initial Calibration
Integrator: RTE

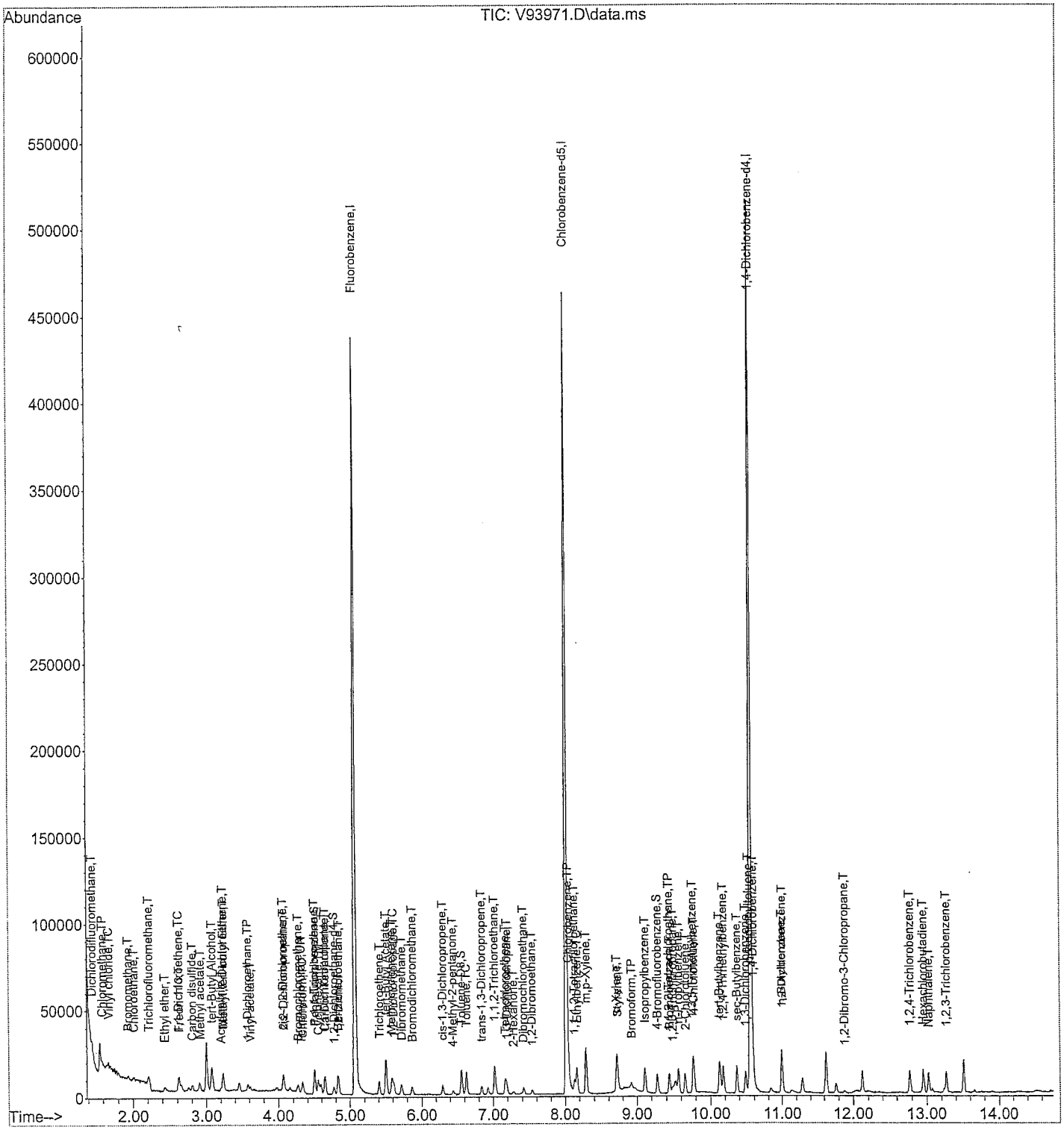
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
44) 4-Methyl-2-pentanone	6.440	58	589	1.01 ug/L #	88
46) Toluene	6.627	91	9049	1.58 ug/L	97
47) trans-1,3-Dichloropropene	6.840	75	2573	1.05 ug/L	90
48) 1,1,2-Trichloroethane	7.022	97	1816	1.33 ug/L	93
49) 1,3-Dichloropropane	7.192	76	2703	1.22 ug/L	96
50) Tetrachloroethene	7.171	166	2650	1.19 ug/L	97
51) 2-Hexanone	7.278	43	1055	1.07 ug/L	94
52) Dibromochloromethane	7.417	129	2040	0.92 ug/L	98
53) 1,2-Dibromoethane	7.539	107	1804	1.07 ug/L	93
55) Chlorobenzene	8.046	112	5908	1.25 ug/L #	70
56) 1,1,1,2-Tetrachloroethane	8.132	131	2070	0.99 ug/L #	65
57) Ethylbenzene	8.169	91	10279	1.28 ug/L	100
58) m,p-Xylene	8.292	106	8040	2.75 ug/L	99
59) o-Xylene	8.713	106	4421	1.36 ug/L	94
60) Styrene	8.729	104	5968	1.30 ug/L	98
61) Bromoform	8.927	173	1253	0.90 ug/L	98
62) Isopropylbenzene	9.114	105	10147	1.14 ug/L	100
63) 1,2,3-Trichloropropane	9.487	110	634	1.03 ug/L #	60
65) Bromobenzene	9.445	156	2766	1.17 ug/L #	90
66) 1,1,2,2-Tetrachloroethane	9.434	83	2065	1.23 ug/L	96
67) n-Propylbenzene	9.567	91	11143	1.21 ug/L	96
68) 2-Chlorotoluene	9.663	126	2567	1.25 ug/L	96
69) 4-Chlorotoluene	9.775	126	2644	1.89 ug/L #	84
70) 1,3,5-Trimethylbenzene	9.759	105	8528	1.16 ug/L	98
71) tert-Butylbenzene	10.122	134	2129	1.23 ug/L	93
72) 1,2,4-Trimethylbenzene	10.176	105	9204	1.31 ug/L	98
73) sec-Butylbenzene	10.368	105	11697	1.35 ug/L	100
74) p-Isopropyltoluene	10.533	119	10266	1.25 ug/L	97
76) 1,3-Dichlorobenzene	10.485	146	5393	0.96 ug/L	99
77) 1,4-Dichlorobenzene	10.587	146	5663	1.04 ug/L #	61
78) n-Butylbenzene	10.998	91	9133	0.95 ug/L	96
79) 1,2-Dichlorobenzene	11.003	146	5027	1.01 ug/L	99
81) 1,2-Dibromo-3-Chloropr...	11.883	157	489	0.79 ug/L	89
82) 1,2,4-Trichlorobenzene	12.775	180	4312	0.98 ug/L	100
83) 1,2,3-Trichlorobenzene	13.266	180	4202	1.07 ug/L	98
84) Hexachlorobutadiene	12.951	225	2919	0.82 ug/L	95
85) Naphthalene	13.026	128	10106	1.35 ug/L	99
86) Cyclohexane	4.556	56	3325	0.37 ug/L	90
88) tert-Butyl Acetate	5.506	57	6487	3.02 ug/L #	87

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

Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\111208\V93971.D
DataAcq Meth:8260RUN.M
Acq On : 8 Dec 2011 5:19 pm Operator: Bill Brew
Sample : 1ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 09 07:02:09 2011
Quant Method : C:\msdchem\1\METHODS\120811.M
Quant Title : 8260/624 Analysis
QLast Update : Wed Dec 07 18:21:10 2011
Response via : Initial Calibration
Integrator: RTE



Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\111208\V93972.D
DataAcq Meth:8260RUN.M
Acq On : 8 Dec 2011 5:42 pm Operator: Bill Brew
Sample : 5ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 07:07:12 2011
Quant Method : C:\msdchem\1\METHODS\120811.M
Quant Title : 8260/624 Analysis
QLast Update : Wed Dec 07 18:21:10 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	5.075	96	393644	50.00	ug/L		0.00
54) Chlorobenzene-d5	8.021	117	289885	50.00	ug/L		0.00
75) 1,4-Dichlorobenzene-d4	10.556	152	161867	50.00	ug/L		-0.01
System Monitoring Compounds							
26) Pentafluorobenzene	4.504	168	24395	4.28	ug/L		0.00
Spiked Amount 50.000	Range 89 - 116		Recovery =	8.56%#			
29) 1,2-Dichloroethane-d4	4.777	65	9986	3.11	ug/L		0.00
Spiked Amount 50.000	Range 66 - 106		Recovery =	6.22%#			
45) Toluene-D8	6.559	98	39505	6.09	ug/L		0.00
Spiked Amount 50.000	Range 87 - 107		Recovery =	12.18%#			
64) 4-Bromofluorobenzene	9.276	95	15923	5.25	ug/L		0.00
Spiked Amount 50.000	Range 84 - 97		Recovery =	10.50%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.452	85	4981	3.66	ug/L		98
3) Chloromethane	1.591	50	9299	4.08	ug/L		98
4) Vinyl chloride	1.671	62	8044	3.05	ug/L		75
5) Bromomethane	1.927	94	5143	3.71	ug/L		97
6) Chloroethane	2.007	64	5338	3.36	ug/L		91
7) Trichlorofluoromethane	2.210	101	12285	2.68	ug/L		95
8) Ethyl ether	2.434	59	5819	2.75	ug/L		100
9) Freon 113	2.621	101	8312	3.09	ug/L		97
10) 1,1-Dichloroethene	2.615	61	10955	2.62	ug/L		85
12) Carbon disulfide	2.807	76	22569	3.02	ug/L		98
13) Methyl acetate	2.919	43	5034	2.63	ug/L	#	89
14) Methylene chloride	3.005	84	20750	Below Cal		#	84
15) Acrylonitrile	3.202	53	2392	2.57	ug/L		97
16) tert-Butyl Alcohol	3.080	59	79356	260.07	ug/L		97
17) Methyl tert-butyl Ether	3.224	73	21473	2.80	ug/L		96
18) trans-1,2-Dichloroethene	3.234	61	11541	2.76	ug/L		88
19) 1,1-Dichloroethane	3.581	63	14911	2.64	ug/L		96
20) Vinyl acetate	3.613	43	10015	2.25	ug/L		91
21) 2,2-Dichloropropane	4.067	77	14506	2.64	ug/L		100
22) 2-Butanone	4.072	72	965	2.41	ug/L	#	64
23) cis-1,2-Dichloroethene	4.067	96	10518	2.95	ug/L		89
24) Bromochloromethane	4.275	128	4860	3.29	ug/L	#	81
25) Chloroform	4.334	83	18697	3.30	ug/L		99
27) Tetrahydrofuran	4.318	42	3796	2.57	ug/L		87
28) 1,1,1-Trichloroethane	4.510	97	15881	3.26	ug/L		93
30) Carbon Tetrachloride	4.654	117	14089	3.45	ug/L		98
31) Benzene	4.835	78	39782	5.80	ug/L		97
32) 1,2-Dichloroethane	4.846	62	11833	4.09	ug/L		97
33) Trichloroethene	5.406	130	12010	5.01	ug/L		94
34) Methylcyclohexane	5.593	83	18471	6.83	ug/L		91
36) 1,2-Dichloropropane	5.614	63	10162	6.77	ug/L	#	87
38) Dibromomethane	5.727	93	5784	5.68	ug/L		92
39) Bromodichloromethane	5.865	83	13505	4.40	ug/L		98
40) 2-Chloroethyl vinyl Ether	6.154	63	~ 79m (R)	2.47	ug/L		
42) 1,1-Dichloropropene	4.649	75	13401	3.83	ug/L		96

Data File: C:\msdchem\1\DATA\111208\V93972.D
DataAcq Meth:8260RUN.M
Acq On : 8 Dec 2011 5:42 pm Operator: Bill Brew
Sample : 5ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 5 Sample Multiplier: 1

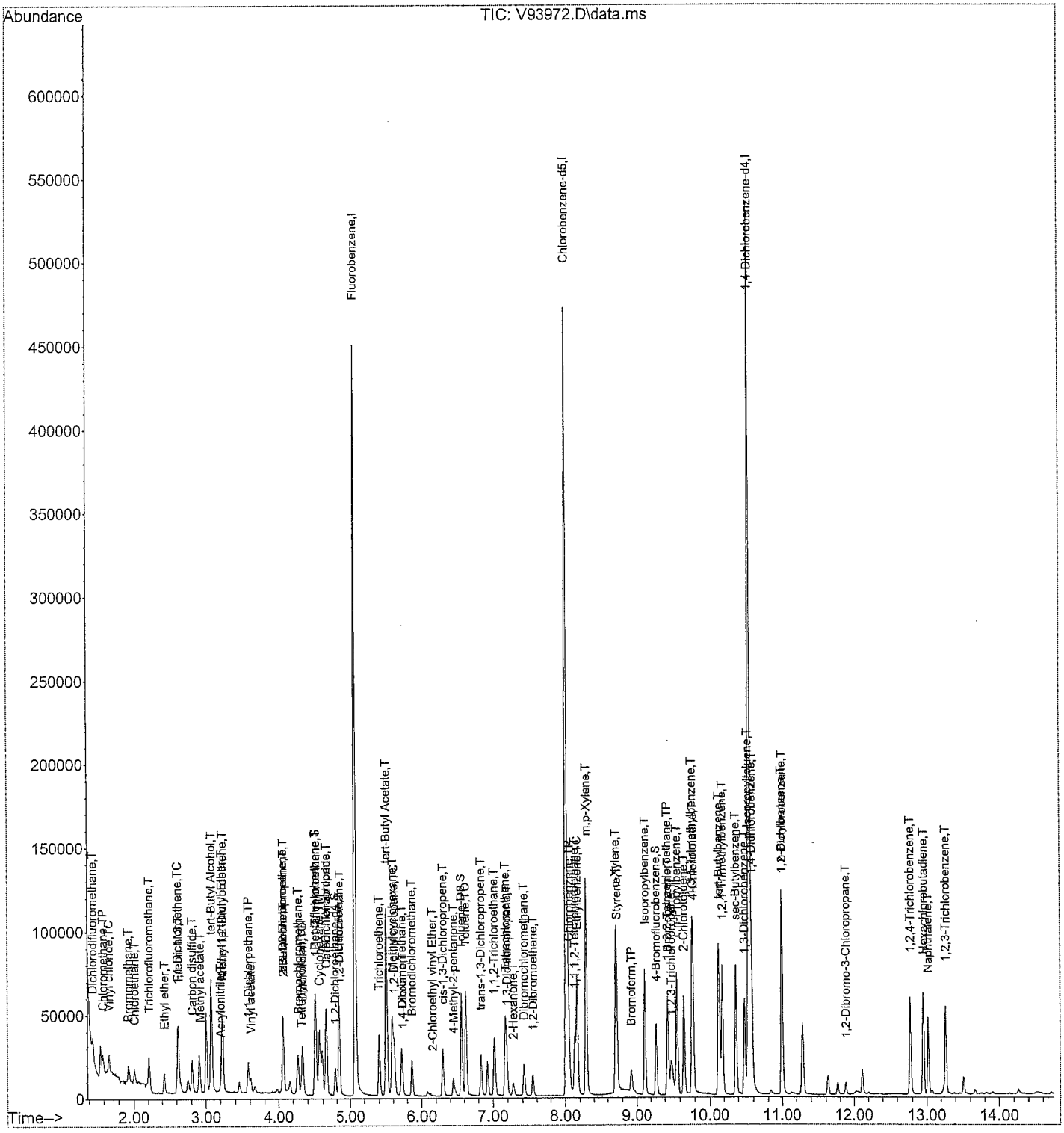
Quant Time: Dec 09 07:07:12 2011
Quant Method : C:\msdchem\1\METHODS\120811.M
Quant Title : 8260/624 Analysis
QLast Update : Wed Dec 07 18:21:10 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) cis-1,3-Dichloropropene	6.298	75	15830	5.28 ug/L	91
44) 4-Methyl-2-pentanone	6.447	58	3174	5.22 ug/L #	78
46) Toluene	6.623	91	46238	7.74 ug/L	99
47) trans-1,3-Dichloropropene	6.837	75	13515	5.28 ug/L	91
48) 1,1,2-Trichloroethane	7.018	97	8599	6.05 ug/L	94
49) 1,3-Dichloropropane	7.194	76	13987	6.03 ug/L	99
50) Tetrachloroethene	7.173	166	14012	6.04 ug/L	96
51) 2-Hexanone	7.274	43	4437	4.31 ug/L	87
52) Dibromochloromethane	7.418	129	10298	4.44 ug/L	99
53) 1,2-Dibromoethane	7.546	107	8847	5.02 ug/L	99
55) Chlorobenzene	8.053	112	30238	6.41 ug/L	97
56) 1,1,1,2-Tetrachloroethane	8.133	131	11010	5.31 ug/L	98
57) Ethylbenzene	8.165	91	52529	6.56 ug/L	98
58) m,p-Xylene	8.294	106	40221	13.78 ug/L	99
59) o-Xylene	8.715	106	20891	6.44 ug/L	99
60) Styrene	8.731	104	32065	7.01 ug/L	98
61) Bromoform	8.923	173	6433	4.62 ug/L	97
62) Isopropylbenzene	9.115	105	52325	5.92 ug/L	100
63) 1,2,3-Trichloropropane	9.489	110	3196	5.20 ug/L #	75
65) Bromobenzene	9.441	156	13857	5.88 ug/L #	88
66) 1,1,2,2-Tetrachloroethane	9.436	83	10327	6.19 ug/L	95
67) n-Propylbenzene	9.564	91	58766	6.40 ug/L	96
68) 2-Chlorotoluene	9.654	126	13682m	6.67 ug/L	
69) 4-Chlorotoluene	9.777	126	13541	9.72 ug/L #	88
70) 1,3,5-Trimethylbenzene	9.761	105	44299	6.03 ug/L	98
71) tert-Butylbenzene	10.124	134	10832	6.29 ug/L #	94
72) 1,2,4-Trimethylbenzene	10.177	105	44459	6.36 ug/L	99
73) sec-Butylbenzene	10.370	105	57223	6.62 ug/L	97
74) p-Isopropyltoluene	10.535	119	49559	6.08 ug/L	99
76) 1,3-Dichlorobenzene	10.487	146	26453	4.75 ug/L	99
77) 1,4-Dichlorobenzene	10.583	146	25837	4.78 ug/L	91
78) n-Butylbenzene	10.994	91	45924	4.83 ug/L	98
79) 1,2-Dichlorobenzene	11.005	146	25308	5.11 ug/L	98
81) 1,2-Dibromo-3-Chloropr...	11.885	157	2410	3.94 ug/L	91
82) 1,2,4-Trichlorobenzene	12.771	180	20010	4.56 ug/L	99
83) 1,2,3-Trichlorobenzene	13.267	180	17859	4.59 ug/L	99
84) Hexachlorobutadiene	12.958	225	13510	3.81 ug/L	99
85) Naphthalene	13.022	128	36839	4.96 ug/L	99
86) Cyclohexane	4.558	56	16906	1.92 ug/L	87
87) 1,4-Dioxane	5.737	88	104m	3.85 ug/L	
88) tert-Butyl Acetate	5.508	57	33961	15.95 ug/L	92

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

Data File: C:\msdchem\1\DATA\111208\V93972.D
DataAcq Meth:8260RUN.M
Acq On : 8 Dec 2011 5:42 pm Operator: Bill Brew
Sample : 5ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 07:07:12 2011
Quant Method : C:\msdchem\1\METHODS\120811.M
Quant Title : 8260/624 Analysis
QLast Update : Wed Dec 07 18:21:10 2011
Response via : Initial Calibration
Integrator: RTE



Data File: C:\msdchem\1\DATA\111208\V93973.D
DataAcq Meth:8260RUN.M
Acq On : 8 Dec 2011 6:05 pm Operator: Bill Brew
Sample : 20ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 07:09:22 2011
Quant Method : C:\msdchem\1\METHODS\120811.M
Quant Title : 8260/624 Analysis
QLast Update : Wed Dec 07 18:21:10 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	5.076	96	385304	50.00	ug/L		0.00
54) Chlorobenzene-d5	8.022	117	293048	50.00	ug/L		0.00
75) 1,4-Dichlorobenzene-d4	10.557	152	163319	50.00	ug/L		0.00
System Monitoring Compounds							
26) Pentafluorobenzene	4.505	168	93310	16.73	ug/L		0.00
Spiked Amount 50.000	Range 89 - 116		Recovery = 33.46%#				
29) 1,2-Dichloroethane-d4	4.777	65	39308	12.49	ug/L		0.00
Spiked Amount 50.000	Range 66 - 106		Recovery = 24.98%#				
45) Toluene-D8	6.560	98	163105	25.70	ug/L		0.00
Spiked Amount 50.000	Range 87 - 107		Recovery = 51.40%#				
64) 4-Bromofluorobenzene	9.276	95	62454	21.45	ug/L		0.00
Spiked Amount 50.000	Range 84 - 97		Recovery = 42.90%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.452	85	20614	15.50	ug/L		99
3) Chloromethane	1.597	50	36286	16.27	ug/L		99
4) Vinyl chloride	1.677	62	32404	12.56	ug/L		87
5) Bromomethane	1.933	94	21162	15.61	ug/L		98
6) Chloroethane	2.013	64	20119	12.94	ug/L		94
7) Trichlorofluoromethane	2.216	101	50721	11.30	ug/L		98
8) Ethyl ether	2.429	59	23645	11.40	ug/L		100
9) Freon 113	2.627	101	33859	12.88	ug/L		97
10) 1,1-Dichloroethene	2.621	61	46529	11.39	ug/L		90
11) Acetone	2.653	43	9898	4.86	ug/L		97
12) Carbon disulfide	2.808	76	94536	12.94	ug/L		100
13) Methyl acetate	2.920	43	18761	10.01	ug/L	#	85
14) Methylene chloride	3.011	84	47284	1.12	ug/L	#	83
15) Acrylonitrile	3.208	53	9208	10.12	ug/L		97
16) tert-Butyl Alcohol	3.080	59	336740	1127.46	ug/L		96
17) Methyl tert-butyl Ether	3.230	73	89189	11.90	ug/L		95
18) trans-1,2-Dichloroethene	3.235	61	47030	11.47	ug/L		91
19) 1,1-Dichloroethane	3.582	63	62726	11.36	ug/L		99
20) Vinyl acetate	3.614	43	43086	9.89	ug/L		91
21) 2,2-Dichloropropane	4.073	77	56427	10.49	ug/L		99
22) 2-Butanone	4.078	72	3362	8.58	ug/L	#	72
23) cis-1,2-Dichloroethene	4.067	96	41536	11.88	ug/L		92
24) Bromochloromethane	4.276	128	21164	14.65	ug/L	#	81
25) Chloroform	4.334	83	72871	13.12	ug/L		100
27) Tetrahydrofuran	4.318	42	15575	10.76	ug/L		85
28) 1,1,1-Trichloroethane	4.505	97	65685	13.79	ug/L		97
30) Carbon Tetrachloride	4.655	117	56603	14.16	ug/L		100
31) Benzene	4.836	78	162181	24.17	ug/L		97
32) 1,2-Dichloroethane	4.847	62	47602	16.81	ug/L		99
33) Trichloroethene	5.412	130	49732	21.18	ug/L		95
34) Methylcyclohexane	5.588	83	76066	28.74	ug/L		92
36) 1,2-Dichloropropane	5.615	63	41653	28.35	ug/L		89
38) Dibromomethane	5.727	93	23578	23.65	ug/L		90
39) Bromodichloromethane	5.866	83	55180	18.36	ug/L		99
40) 2-Chloroethyl vinyl Ether	6.154	63	538	17.15	ug/L	#	62

Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\111208\V93973.D
DataAcq Meth:8260RUN.M
Acq On : 8 Dec 2011 6:05 pm
Sample : 20ppb mega Cal
Misc :
ALS Vial : 6 Sample Multiplier: 1

Operator: Bill Brew
Inst : Instrument #1

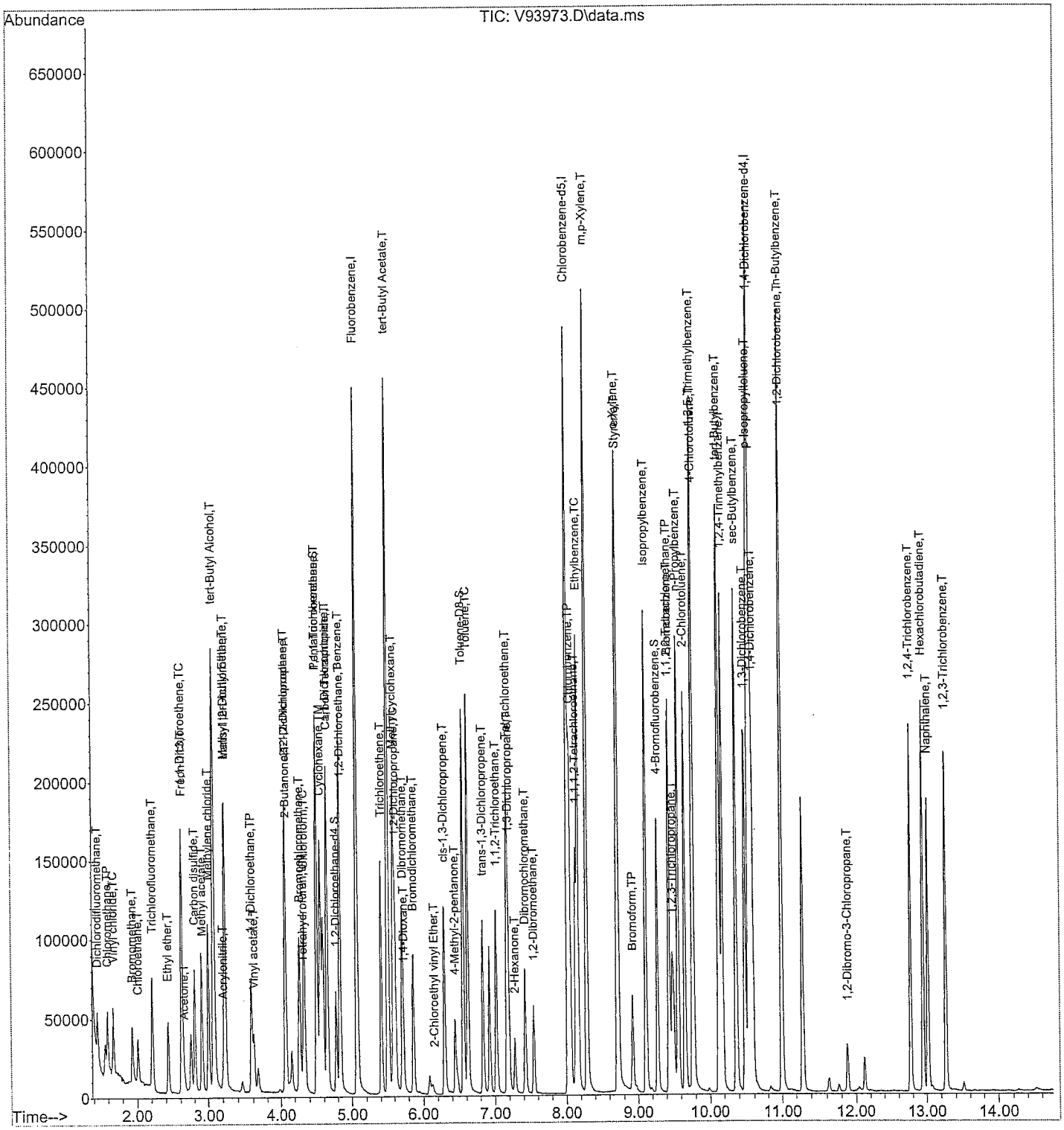
Quant Time: Dec 09 07:09:22 2011
Quant Method : C:\msdchem\1\METHODS\120811.M
Quant Title : 8260/624 Analysis
QLast Update : Wed Dec 07 18:21:10 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 1,1-Dichloropropene	4.649	75	54128	15.81	ug/L		99
43) cis-1,3-Dichloropropene	6.293	75	67313	22.92	ug/L		91
44) 4-Methyl-2-pentanone	6.442	58	12833	21.56	ug/L		90
46) Toluene	6.629	91	185477	31.73	ug/L		99
47) trans-1,3-Dichloropropene	6.837	75	59902	23.90	ug/L		91
48) 1,1,2-Trichloroethane	7.024	97	36536	26.24	ug/L		95
49) 1,3-Dichloropropane	7.190	76	57337	25.26	ug/L		100
50) Tetrachloroethene	7.174	166	56820	25.01	ug/L		97
51) 2-Hexanone	7.275	43	20511	20.36	ug/L		94
52) Dibromochloromethane	7.419	129	44419	19.56	ug/L		99
53) 1,2-Dibromoethane	7.542	107	37398	21.67	ug/L		100
55) Chlorobenzene	8.054	112	122863	25.77	ug/L		98
56) 1,1,1,2-Tetrachloroethane	8.134	131	47694	22.73	ug/L		99
57) Ethylbenzene	8.166	91	208932	25.81	ug/L		100
58) m,p-Xylene	8.289	106	160689	54.46	ug/L		99
59) o-Xylene	8.716	106	82199	25.06	ug/L		97
60) Styrene	8.727	104	130578	28.25	ug/L		98
61) Bromoform	8.924	173	30746	21.85	ug/L		100
62) Isopropylbenzene	9.116	105	218259	24.41	ug/L		99
63) 1,2,3-Trichloropropane	9.484	110	13281	21.39	ug/L	#	84
65) Bromobenzene	9.442	156	57989	24.32	ug/L	#	89
66) 1,1,2,2-Tetrachloroethane	9.436	83	43855	26.00	ug/L		98
67) n-Propylbenzene	9.564	91	239407	25.80	ug/L		97
68) 2-Chlorotoluene	9.655	126	54463	26.27	ug/L		94
69) 4-Chlorotoluene	9.778	126	53709	38.15	ug/L		92
70) 1,3,5-Trimethylbenzene	9.762	105	181706	24.47	ug/L		98
71) tert-Butylbenzene	10.125	134	45504	26.12	ug/L	#	93
72) 1,2,4-Trimethylbenzene	10.178	105	180869	25.58	ug/L		97
73) sec-Butylbenzene	10.370	105	239395	27.41	ug/L		97
74) p-Isopropyltoluene	10.536	119	205134	24.88	ug/L		98
76) 1,3-Dichlorobenzene	10.488	146	108860	19.36	ug/L		99
77) 1,4-Dichlorobenzene	10.589	146	104493	19.17	ug/L		98
78) n-Butylbenzene	10.995	91	189362	19.72	ug/L		98
79) 1,2-Dichlorobenzene	11.005	146	101606	20.34	ug/L		99
81) 1,2-Dibromo-3-Chloropr...	11.886	157	10596	17.19	ug/L		93
82) 1,2,4-Trichlorobenzene	12.772	180	78857	17.82	ug/L		100
83) 1,2,3-Trichlorobenzene	13.268	180	72768	18.55	ug/L		99
84) Hexachlorobutadiene	12.953	225	55179	15.44	ug/L		100
85) Naphthalene	13.023	128	152171	20.29	ug/L		100
86) Cyclohexane	4.558	56	65671	7.38	ug/L		85
87) 1,4-Dioxane	5.738	88	468m	17.19	ug/L		
88) tert-Butyl Acetate	5.508	57	147780	68.81	ug/L		91

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

Data File: C:\msdchem\1\DATA\111208\V93973.D
DataAcq Meth:8260RUN.M
Acq On : 8 Dec 2011 6:05 pm Operator: Bill Brew
Sample : 20ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 07:09:22 2011
Quant Method : C:\msdchem\1\METHODS\120811.M
Quant Title : 8260/624 Analysis
QLast Update : Wed Dec 07 18:21:10 2011
Response via : Initial Calibration
Integrator: RTE



Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\111208\V93975.D
DataAcq Meth:8260RUN.M
Acq On : 8 Dec 2011 6:50 pm Operator: Bill Brew
Sample : 100ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 09 07:18:25 2011
Quant Method : C:\msdchem\1\METHODS\120811.M
Quant Title : 8260/624 Analysis
QLast Update : Wed Dec 07 18:21:10 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	5.080	96	391975	50.00	ug/L		0.00
54) Chlorobenzene-d5	8.021	117	296148	50.00	ug/L		0.00
75) 1,4-Dichlorobenzene-d4	10.561	152	155771	50.00	ug/L		0.00
System Monitoring Compounds							
26) Pentafluorobenzene	4.504	168	416791	73.47	ug/L		0.00
Spiked Amount 50.000	Range 89 - 116		Recovery = 146.94%#				
29) 1,2-Dichloroethane-d4	4.776	65	187834	58.69	ug/L		0.00
Spiked Amount 50.000	Range 66 - 106		Recovery = 117.38%#				
45) Toluene-D8	6.564	98	728804	112.90	ug/L		0.00
Spiked Amount 50.000	Range 87 - 107		Recovery = 225.80%#				
64) 4-Bromofluorobenzene	9.281	95	297892	-50.00	ug/L		0.00
Spiked Amount 50.000	Range 84 - 97		Recovery = -100.00%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.451	85	97983	72.40	ug/L		99
3) Chloromethane	1.596	50	160785	70.87	ug/L		97
4) Vinyl chloride	1.676	62	159489	60.76	ug/L		99
5) Bromomethane	1.926	94	94639	68.62	ug/L		99
6) Chloroethane	2.006	64	92866	58.73	ug/L		96
7) Trichlorofluoromethane	2.209	101	241835	52.97	ug/L		98
8) Ethyl ether	2.433	59	117211	55.57	ug/L		100
9) Freon 113	2.620	101	157281	58.80	ug/L		96
10) 1,1-Dichloroethene	2.620	61	212882	51.22	ug/L		90
11) Acetone	2.658	43	35045	27.62	ug/L		96
12) Carbon disulfide	2.807	76	430528	57.92	ug/L		100
13) Methyl acetate	2.919	43	94279	49.45	ug/L	#	88
14) Methylene chloride	3.010	84	171974	53.48	ug/L	#	83
15) Acrylonitrile	3.202	53	48209	52.08	ug/L		99
16) tert-Butyl Alcohol	3.090	59	1542649	5077.15	ug/L		97
17) Methyl tert-butyl Ether	3.234	73	419122	54.95	ug/L		95
18) trans-1,2-Dichloroethene	3.234	61	212694	51.00	ug/L		89
19) 1,1-Dichloroethane	3.581	63	300561	53.52	ug/L		100
20) Vinyl acetate	3.613	43	206520	46.59	ug/L		91
21) 2,2-Dichloropropane	4.072	77	268072	48.97	ug/L		99
22) 2-Butanone	4.077	72	15913	39.90	ug/L	#	71
23) cis-1,2-Dichloroethene	4.066	96	197680	55.60	ug/L		91
24) Bromochloromethane	4.275	128	98146	66.79	ug/L	#	79
25) Chloroform	4.339	83	335902	59.47	ug/L		99
27) Tetrahydrofuran	4.317	42	76537	52.00	ug/L		90
28) 1,1,1-Trichloroethane	4.504	97	302254	62.40	ug/L		97
30) Carbon Tetrachloride	4.654	117	265595	65.31	ug/L		100
31) Benzene	4.835	78	725122	106.23	ug/L		96
32) 1,2-Dichloroethane	4.846	62	220514	76.54	ug/L		99
33) Trichloroethene	5.411	130	228323	95.59	ug/L		96
34) Methylcyclohexane	5.593	83	347811	129.18	ug/L		91
36) 1,2-Dichloropropane	5.620	63	187485	125.42	ug/L		90
38) Dibromomethane	5.726	93	109310	107.80	ug/L		90
39) Bromodichloromethane	5.870	83	271346	88.75	ug/L		98
40) 2-Chloroethyl vinyl Ether	6.159	63	2996	93.90	ug/L	#	65

Data File: C:\msdchem\1\DATA\111208\V93975.D
DataAcq Meth:8260RUN.M
Acq On : 8 Dec 2011 6:50 pm Operator: Bill Brew
Sample : 100ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 8 Sample Multiplier: 1

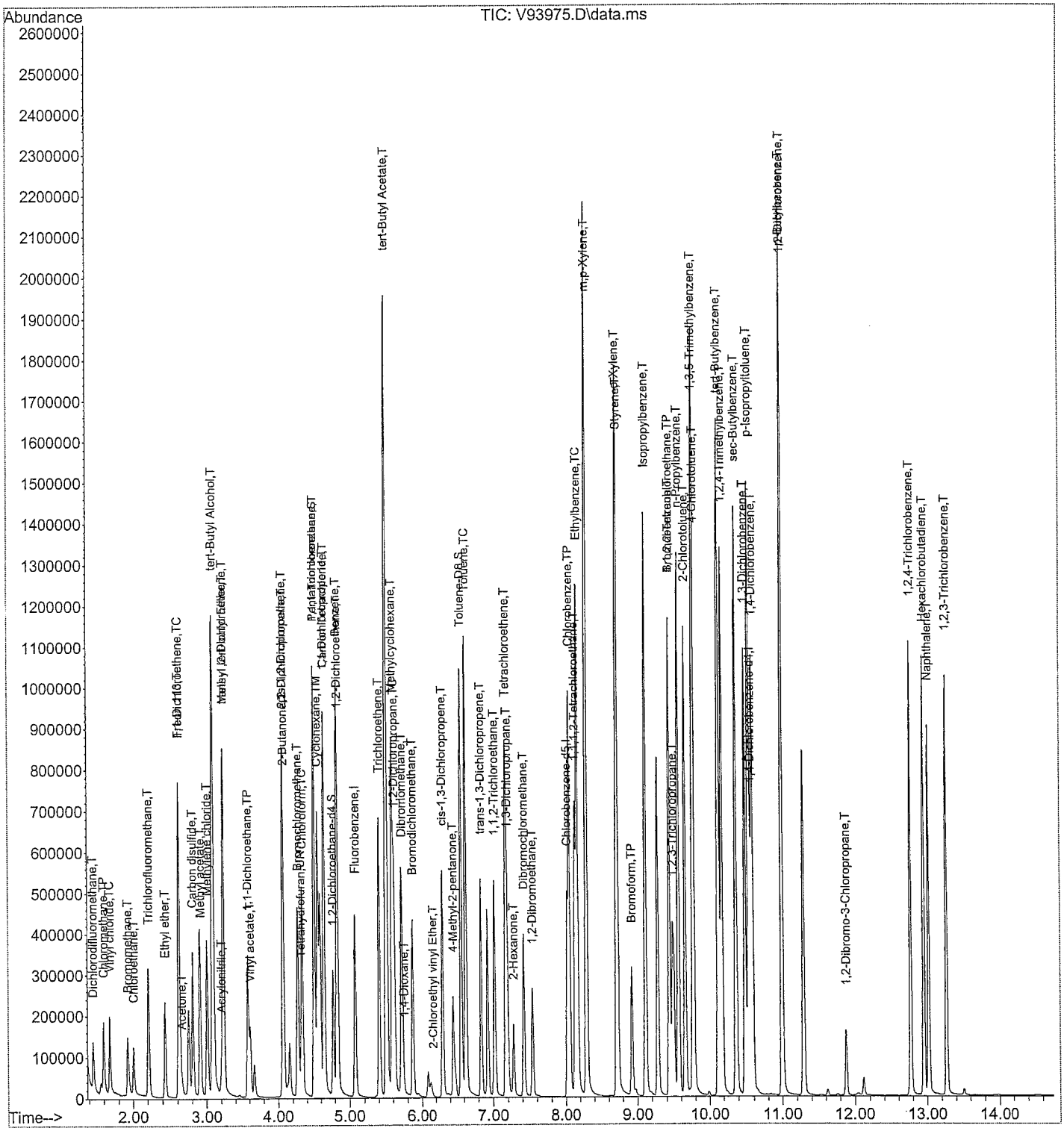
Quant Time: Dec 09 07:18:25 2011
Quant Method : C:\msdchem\1\METHODS\120811.M
Quant Title : 8260/624 Analysis
QLast Update : Wed Dec 07 18:21:10 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 1,1-Dichloropropene	4.648	75	248281	71.27	ug/L		99
43) cis-1,3-Dichloropropene	6.297	75	320375	107.22	ug/L		91
44) 4-Methyl-2-pentanone	6.447	58	66638	110.07	ug/L	#	89
46) Toluene	6.628	91	831734	139.87	ug/L		99
47) trans-1,3-Dichloropropene	6.836	75	295146	115.75	ug/L		91
48) 1,1,2-Trichloroethane	7.023	97	174035	122.88	ug/L		96
49) 1,3-Dichloropropane	7.194	76	268963	116.48	ug/L		100
50) Tetrachloroethene	7.173	166	256401	110.96	ug/L		98
51) 2-Hexanone	7.274	43	103938	101.39	ug/L		91
52) Dibromochloromethane	7.423	129	221338	95.83	ug/L		100
53) 1,2-Dibromoethane	7.541	107	181216	103.22	ug/L		99
55) Chlorobenzene	8.053	112	580464	120.48	ug/L		96
56) 1,1,1,2-Tetrachloroethane	8.133	131	226820	106.99	ug/L		98
57) Ethylbenzene	8.170	91	949763	116.11	ug/L		99
58) m,p-Xylene	8.293	106	708653	237.68	ug/L		99
59) o-Xylene	8.715	106	374474	112.96	ug/L		99
60) Styrene	8.731	104	585262	125.30	ug/L		99
61) Bromoform	8.923	173	160148	112.63	ug/L		99
62) Isopropylbenzene	9.115	105	1000769	110.76	ug/L		98
63) 1,2,3-Trichloropropane	9.489	110	63991	102.01	ug/L	#	87
65) Bromobenzene	9.441	156	267274	110.93	ug/L	#	89
66) 1,1,2,2-Tetrachloroethane	9.441	83	207286	121.60	ug/L		99
67) n-Propylbenzene	9.569	91	1097824	117.07	ug/L		96
68) 2-Chlorotoluene	9.659	126	256582m(a)	122.45	ug/L		
69) 4-Chlorotoluene	9.782	126	240966	169.36	ug/L	#	88
70) 1,3,5-Trimethylbenzene	9.761	105	802431	106.94	ug/L		96
71) tert-Butylbenzene	10.124	134	204683	116.25	ug/L	#	93
72) 1,2,4-Trimethylbenzene	10.177	105	796900	111.52	ug/L		96
73) sec-Butylbenzene	10.369	105	1075573	121.85	ug/L		96
74) p-Isopropyltoluene	10.535	119	927363	111.28	ug/L		98
76) 1,3-Dichlorobenzene	10.487	146	504784	94.12	ug/L		99
77) 1,4-Dichlorobenzene	10.588	146	485682	93.44	ug/L		99
78) n-Butylbenzene	10.994	91	829627	90.60	ug/L		98
79) 1,2-Dichlorobenzene	11.004	146	440533	92.47	ug/L		100
81) 1,2-Dibromo-3-Chloropr...	11.880	157	54982	93.51	ug/L		92
82) 1,2,4-Trichlorobenzene	12.771	180	383317	90.80	ug/L		99
83) 1,2,3-Trichlorobenzene	13.267	180	349760	93.48	ug/L		99
84) Hexachlorobutadiene	12.958	225	248166	72.81	ug/L		100
85) Naphthalene	13.022	128	725896	101.46	ug/L		100
86) Cyclohexane	4.557	56	290832	34.26	ug/L	#	83
87) 1,4-Dioxane	5.748	88	2627	101.15	ug/L	#	79
88) tert-Butyl Acetate	5.513	57	676540	330.27	ug/L	#	89

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

Data File: C:\msdchem\1\DATA\111208\V93975.D
DataAcq Meth:8260RUN.M
Acq On : 8 Dec 2011 6:50 pm Operator: Bill Brew
Sample : 100ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 09 07:18:25 2011
Quant Method : C:\msdchem\1\METHODS\120811.M
Quant Title : 8260/624 Analysis
QLast Update : Wed Dec 07 18:21:10 2011
Response via : Initial Calibration
Integrator: RTE



Data File: C:\msdchem\1\DATA\111208\V93976.D
DataAcq Meth:8260RUN.M
Acq On : 8 Dec 2011 7:13 pm Operator: Bill Brew
Sample : 150ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 09 07:22:16 2011
Quant Method : C:\msdchem\1\METHODS\120811.M
Quant Title : 8260/624 Analysis
QLast Update : Fri Dec 09 07:20:30 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.075	96	400436	50.00	ug/L	0.00
54) Chlorobenzene-d5	8.021	117	298687	50.00	ug/L	0.00
75) 1,4-Dichlorobenzene-d4	10.562	152	149436	50.00	ug/L	0.00
System Monitoring Compounds						
26) Pentafluorobenzene	4.504	168	605142	128.30	ug/L	0.00
Spiked Amount 50.000	Range 89 - 116		Recovery = 256.60%#			
29) 1,2-Dichloroethane-d4	4.777	65	276640	133.33	ug/L	0.00
Spiked Amount 50.000	Range 66 - 106		Recovery = 266.66%#			
45) Toluene-D8	6.564	98	1048760	132.13	ug/L	0.00
Spiked Amount 50.000	Range 87 - 107		Recovery = 264.26%#			
64) 4-Bromofluorobenzene	9.281	95	433099	137.05	ug/L	0.00
Spiked Amount 50.000	Range 84 - 97		Recovery = 274.10%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.457	85	144725	139.87	ug/L	99
3) Chloromethane	1.596	50	244753	127.47	ug/L	98
4) Vinyl chloride	1.676	62	231648	142.31	ug/L	99
5) Bromomethane	1.921	94	132498	123.45	ug/L	97
6) Chloroethane	2.001	64	133684	128.75	ug/L	94
7) Trichlorofluoromethane	2.210	101	346623	138.63	ug/L	97
8) Ethyl ether	2.434	59	171057	143.31	ug/L	100
9) Freon 113	2.615	101	227555	137.90	ug/L	98
10) 1,1-Dichloroethene	2.620	61	304737	136.82	ug/L	90
11) Acetone	2.652	43	49947	145.57	ug/L	93
12) Carbon disulfide	2.807	76	651730	143.76	ug/L	99
13) Methyl acetate	2.919	43	133101	131.46	ug/L #	85
14) Methylene chloride	3.005	84	249983	150.02	ug/L #	84
15) Acrylonitrile	3.208	53	70082	137.22	ug/L	99
16) tert-Butyl Alcohol	3.095	59	2259786	13987.93	ug/L	97
17) Methyl tert-butyl Ether	3.234	73	617560	140.97	ug/L	95
18) trans-1,2-Dichloroethene	3.234	61	305775	137.25	ug/L	88
19) 1,1-Dichloroethane	3.581	63	440108	144.02	ug/L	98
20) Vinyl acetate	3.613	43	318462	149.07	ug/L	91
21) 2,2-Dichloropropane	4.072	77	381168	138.40	ug/L	99
22) 2-Butanone	4.077	72	22813	119.49	ug/L #	75
23) cis-1,2-Dichloroethene	4.067	96	287931	137.79	ug/L	91
24) Bromochloromethane	4.275	128	146412	145.93	ug/L #	80
25) Chloroform	4.339	83	487627	132.74	ug/L	99
27) Tetrahydrofuran	4.323	42	114030	132.93	ug/L	91
28) 1,1,1-Trichloroethane	4.510	97	437558	138.22	ug/L	97
30) Carbon Tetrachloride	4.654	117	385963	140.16	ug/L	99
31) Benzene	4.835	78	1044804	135.96	ug/L	97
32) 1,2-Dichloroethane	4.846	62	324449	141.09	ug/L	99
33) Trichloroethene	5.412	130	339244	142.34	ug/L	95
34) Methylcyclohexane	5.593	83	501147	136.74	ug/L	92
36) 1,2-Dichloropropane	5.620	63	277280	139.10	ug/L	90
38) Dibromomethane	5.726	93	159012	139.38	ug/L	89
39) Bromodichloromethane	5.871	83	399242	143.73	ug/L	99
40) 2-Chloroethyl vinyl Ether	6.153	63	4188	148.71	ug/L #	64

Data File: C:\msdchem\1\DATA\111208\V93976.D
DataAcq Meth:8260RUN.M
Acq On : 8 Dec 2011 7:13 pm Operator: Bill Brew
Sample : 150ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 9 Sample Multiplier: 1

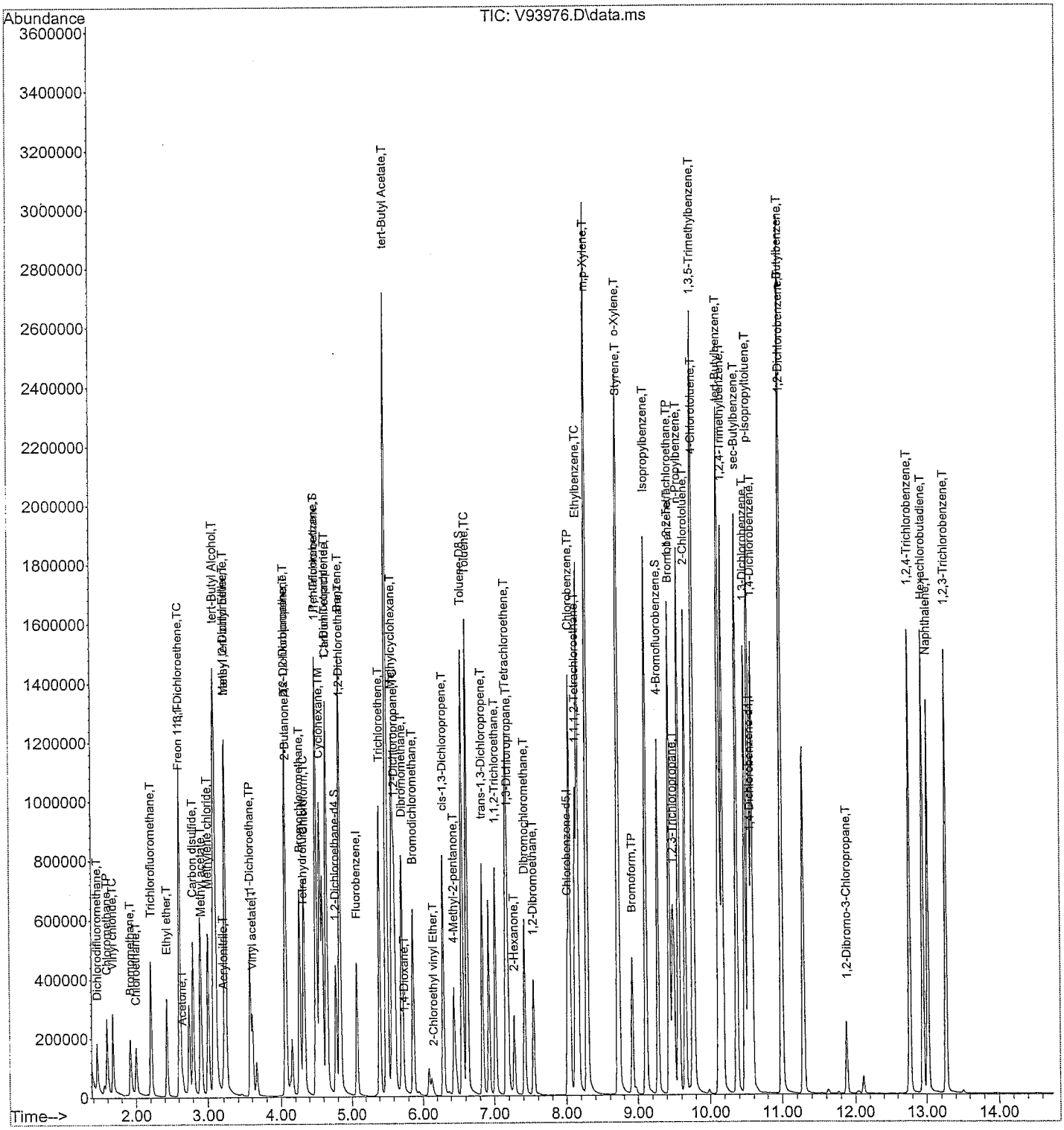
Quant Time: Dec 09 07:22:16 2011
Quant Method : C:\msdchem\1\METHODS\120811.M
Quant Title : 8260/624 Analysis
QLast Update : Fri Dec 09 07:20:30 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 1,1-Dichloropropene	4.648	75	355716	136.22	ug/L		98
43) cis-1,3-Dichloropropene	6.298	75	483996	148.13	ug/L		90
44) 4-Methyl-2-pentanone	6.447	58	100422	151.19	ug/L	#	87
46) Toluene	6.628	91	1160267	131.51	ug/L		97
47) trans-1,3-Dichloropropene	6.837	75	436985	149.01	ug/L		91
48) 1,1,2-Trichloroethane	7.023	97	252310	140.75	ug/L		98
49) 1,3-Dichloropropane	7.194	76	394796	141.14	ug/L		100
50) Tetrachloroethene	7.173	166	363644	134.52	ug/L		98
51) 2-Hexanone	7.279	43	160722	152.66	ug/L		94
52) Dibromochloromethane	7.424	129	330298	148.70	ug/L		100
53) 1,2-Dibromoethane	7.541	107	272012	146.14	ug/L		99
55) Chlorobenzene	8.053	112	841857	141.31	ug/L		96
56) 1,1,1,2-Tetrachloroethane	8.139	131	330254	145.89	ug/L		98
57) Ethylbenzene	8.171	91	1350721	136.04	ug/L		99
58) m,p-Xylene	8.293	106	1010072	267.75	ug/L		97
59) o-Xylene	8.720	106	531652	133.59	ug/L		99
60) Styrene	8.731	104	820899	135.46	ug/L		99
61) Bromoform	8.923	173	240261	158.98	ug/L		99
62) Isopropylbenzene	9.115	105	1405114	137.47	ug/L		97
63) 1,2,3-Trichloropropane	9.489	110	94814	146.15	ug/L	#	89
65) Bromobenzene	9.446	156	383646	139.81	ug/L	#	90
66) 1,1,2,2-Tetrachloroethane	9.441	83	304841	144.64	ug/L		99
67) n-Propylbenzene	9.569	91	1554025	137.86	ug/L		95
68) 2-Chlorotoluene	9.660	126	370664m(e)	144.17	ug/L		
69) 4-Chlorotoluene	9.782	126	344085	135.32	ug/L	#	86
70) 1,3,5-Trimethylbenzene	9.766	105	1136209	135.11	ug/L		97
71) tert-Butylbenzene	10.124	134	287258	136.48	ug/L	#	94
72) 1,2,4-Trimethylbenzene	10.183	105	1142245	134.44	ug/L		96
73) sec-Butylbenzene	10.375	105	1523184	136.36	ug/L		96
74) p-Isopropyltoluene	10.535	119	1309142	135.67	ug/L		97
76) 1,3-Dichlorobenzene	10.487	146	714719	147.21	ug/L		99
77) 1,4-Dichlorobenzene	10.588	146	695877	146.21	ug/L		99
78) n-Butylbenzene	10.999	91	1158004	142.47	ug/L		97
79) 1,2-Dichlorobenzene	11.010	146	608838	138.96	ug/L		100
81) 1,2-Dibromo-3-Chloropr...	11.885	157	82660	164.32	ug/L		94
82) 1,2,4-Trichlorobenzene	12.771	180	547163	148.23	ug/L		99
83) 1,2,3-Trichlorobenzene	13.267	180	506758	148.47	ug/L		99
84) Hexachlorobutadiene	12.958	225	354459	144.40	ug/L		100
85) Naphthalene	13.022	128	1067163	146.69	ug/L		100
86) Cyclohexane	4.558	56	475424	159.00	ug/L		87
87) 1,4-Dioxane	5.748	88	3745	150.95	ug/L	#	47
88) tert-Butyl Acetate	5.513	57	972443	756.74	ug/L	#	87

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

Data File: C:\msdchem\1\DATA\111208\V93976.D
DataAcq Meth:8260RUN.M
Acq On : 8 Dec 2011 7:13 pm Operator: Bill Brew
Sample : 150ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 09 07:22:16 2011
Quant Method : C:\msdchem\1\METHODS\120811.M
Quant Title : 8260/624 Analysis
QLast Update : Fri Dec 09 07:20:30 2011
Response via : Initial Calibration
Integrator: RTE



Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\111208\V93977.D
DataAcq Meth:8260RUN.M
Acq On : 8 Dec 2011 7:36 pm Operator: Bill Brew
Sample : 200ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 09 07:24:25 2011
Quant Method : C:\msdchem\1\METHODS\120811.M
Quant Title : 8260/624 Analysis
QLast Update : Fri Dec 09 07:20:30 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.076	96	399757	50.00	ug/L	0.00
54) Chlorobenzene-d5	8.022	117	301981	50.00	ug/L	0.00
75) 1,4-Dichlorobenzene-d4	10.562	152	147740	50.00	ug/L	0.00
System Monitoring Compounds						
26) Pentafluorobenzene	4.505	168	788793	167.52	ug/L	0.00
Spiked Amount 50.000	Range 89 - 116		Recovery = 335.04%#			
29) 1,2-Dichloroethane-d4	4.777	65	368534	177.92	ug/L	0.00
Spiked Amount 50.000	Range 66 - 106		Recovery = 355.84%#			
45) Toluene-D8	6.565	98	1345643	169.82	ug/L	0.00
Spiked Amount 50.000	Range 87 - 107		Recovery = 339.64%#			
64) 4-Bromofluorobenzene	9.282	95	563254	176.29	ug/L	0.00
Spiked Amount 50.000	Range 84 - 97		Recovery = 352.58%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.453	85	196356	190.10	ug/L	99
3) Chloromethane	1.597	50	335182	174.86	ug/L	99
4) Vinyl chloride	1.677	62	321086	197.59	ug/L	98
5) Bromomethane	1.917	94	166110	155.03	ug/L	96
6) Chloroethane	2.002	64	175466	169.28	ug/L	95
7) Trichlorofluoromethane	2.210	101	472319	189.22	ug/L	98
8) Ethyl ether	2.435	59	235577	197.71	ug/L	100
9) Freon 113	2.616	101	310968	188.76	ug/L	97
10) 1,1-Dichloroethene	2.621	61	412301	185.42	ug/L	90
11) Acetone	2.659	43	68282	201.91	ug/L	95
12) Carbon disulfide	2.808	76	858665	189.72	ug/L	100
13) Methyl acetate	2.920	43	187423	185.42	ug/L #	88
14) Methylene chloride	3.006	84	324049	197.91	ug/L #	84
15) Acrylonitrile	3.208	53	91129	178.73	ug/L	98
16) tert-Butyl Alcohol	3.102	59	2985545	18511.72	ug/L	97
17) Methyl tert-butyl Ether	3.235	73	805566	184.20	ug/L	95
18) trans-1,2-Dichloroethene	3.230	61	405106	182.15	ug/L	88
19) 1,1-Dichloroethane	3.582	63	585674	191.98	ug/L	99
20) Vinyl acetate	3.614	43	401020	188.04	ug/L	91
21) 2,2-Dichloropropane	4.073	77	506472	184.21	ug/L	99
22) 2-Butanone	4.078	72	29784	156.26	ug/L #	71
23) cis-1,2-Dichloroethene	4.068	96	375887	180.19	ug/L	90
24) Bromochloromethane	4.276	128	192649	192.34	ug/L #	79
25) Chloroform	4.340	83	645848	176.11	ug/L	99
27) Tetrahydrofuran	4.324	42	151686	177.12	ug/L	90
28) 1,1,1-Trichloroethane	4.505	97	575813	182.21	ug/L	97
30) Carbon Tetrachloride	4.655	117	511383	186.02	ug/L	99
31) Benzene	4.836	78	1371466	178.77	ug/L	97
32) 1,2-Dichloroethane	4.847	62	422244	183.93	ug/L	99
33) Trichloroethene	5.412	130	438012	184.09	ug/L	96
34) Methylcyclohexane	5.594	83	657197	179.62	ug/L	92
36) 1,2-Dichloropropane	5.626	63	365881	183.85	ug/L #	62
38) Dibromomethane	5.727	93	212254	186.36	ug/L	91
39) Bromodichloromethane	5.871	83	522929	188.58	ug/L	98
40) 2-Chloroethyl vinyl Ether	6.154	63	5572	198.19	ug/L #	66

Data File: C:\msdchem\1\DATA\111208\V93977.D
DataAcq Meth:8260RUN.M
Acq On : 8 Dec 2011 7:36 pm Operator: Bill Brew
Sample : 200ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 10 Sample Multiplier: 1

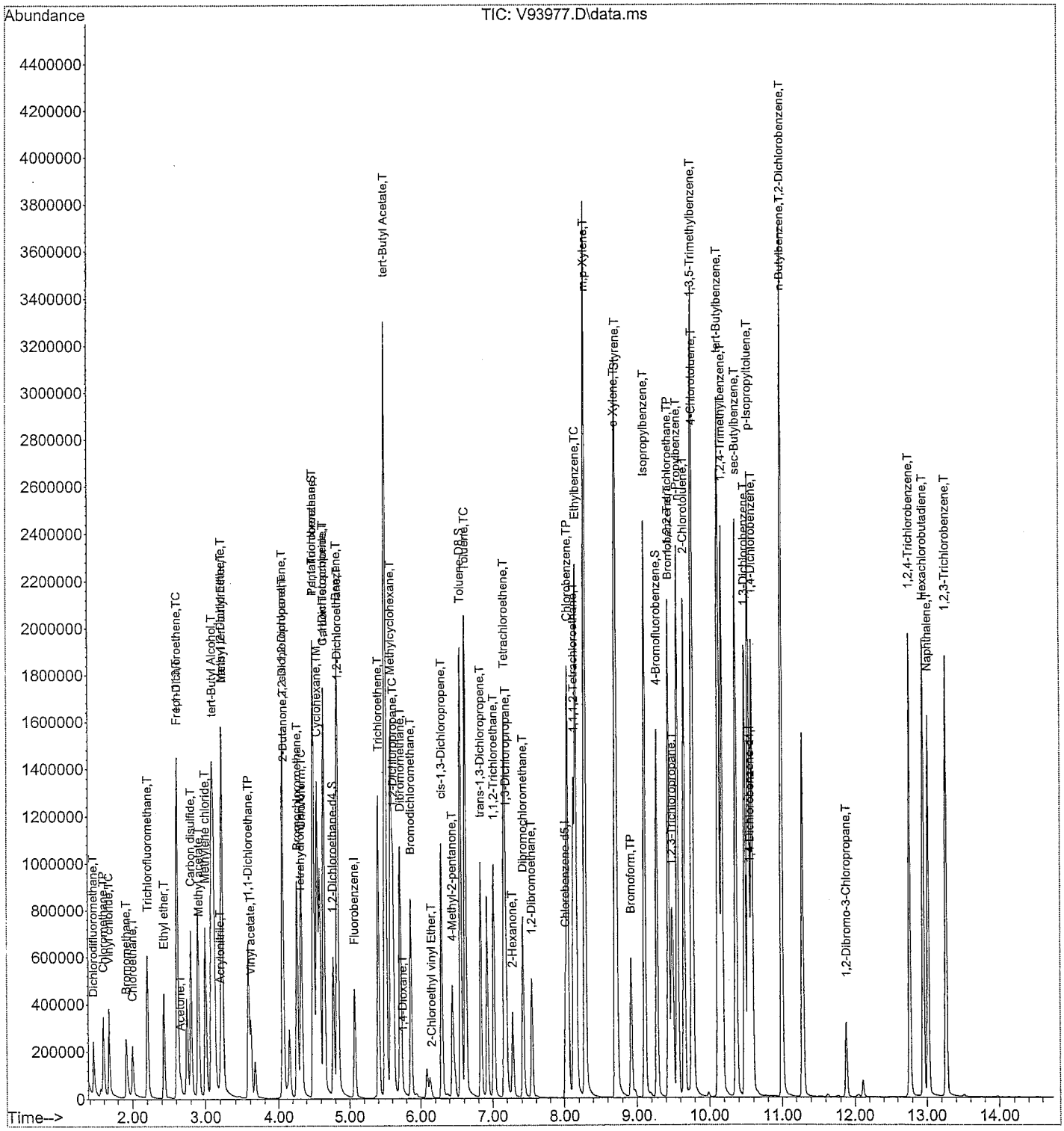
Quant Time: Dec 09 07:24:25 2011
Quant Method : C:\msdchem\1\METHODS\120811.M
Quant Title : 8260/624 Analysis
QLast Update : Fri Dec 09 07:20:30 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) 1,1-Dichloropropene	4.649	75	466924	179.12 ug/L	99
43) cis-1,3-Dichloropropene	6.298	75	634522	194.53 ug/L	91
44) 4-Methyl-2-pentanone	6.448	58	133451	201.25 ug/L #	90
46) Toluene	6.629	91	1528886	173.59 ug/L	99
47) trans-1,3-Dichloropropene	6.837	75	575969	196.74 ug/L	91
48) 1,1,2-Trichloroethane	7.024	97	330199	184.51 ug/L	98
49) 1,3-Dichloropropane	7.195	76	517236	185.22 ug/L	99
50) Tetrachloroethene	7.174	166	490509	181.76 ug/L	98
51) 2-Hexanone	7.280	43	213589	203.22 ug/L	92
52) Dibromochloromethane	7.424	129	435135	196.23 ug/L	99
53) 1,2-Dibromoethane	7.542	107	355769	191.46 ug/L	99
55) Chlorobenzene	8.054	112	1108677	184.06 ug/L	96
56) 1,1,1,2-Tetrachloroethane	8.140	131	434552	189.87 ug/L	98
57) Ethylbenzene	8.172	91	1717355	171.08 ug/L	99
58) m,p-Xylene	8.294	106	1308203	342.99 ug/L	94
59) o-Xylene	8.716	106	693764	172.42 ug/L	96
60) Styrene	8.732	104	1062414	173.41 ug/L	99
61) Bromoform	8.924	173	312716	204.67 ug/L	99
62) Isopropylbenzene	9.116	105	1812031	175.35 ug/L	97
63) 1,2,3-Trichloropropane	9.490	110	124126	189.25 ug/L #	88
65) Bromobenzene	9.447	156	491924	177.31 ug/L #	90
66) 1,1,2,2-Tetrachloroethane	9.442	83	387703	181.95 ug/L	98
67) n-Propylbenzene	9.570	91	1989275	174.54 ug/L	94
68) 2-Chlorotoluene	9.661	126	474969	182.72 ug/L	90
69) 4-Chlorotoluene	9.783	126	446046	173.50 ug/L #	86
70) 1,3,5-Trimethylbenzene	9.767	105	1441196	169.50 ug/L	96
71) tert-Butylbenzene	10.130	134	370577	174.15 ug/L #	93
72) 1,2,4-Trimethylbenzene	10.184	105	1446601	168.41 ug/L	95
73) sec-Butylbenzene	10.376	105	1918096	169.84 ug/L	96
74) p-Isopropyltoluene	10.541	119	1656434	169.78 ug/L	97
76) 1,3-Dichlorobenzene	10.493	146	906809	188.92 ug/L	99
77) 1,4-Dichlorobenzene	10.589	146	883263	187.71 ug/L	98
78) n-Butylbenzene	11.000	91	1435464	178.63 ug/L	96
79) 1,2-Dichlorobenzene	11.005	146	780049	180.08 ug/L	99
81) 1,2-Dibromo-3-Chloropr...	11.886	157	108664	218.49 ug/L	93
82) 1,2,4-Trichlorobenzene	12.772	180	683239	187.22 ug/L	99
83) 1,2,3-Trichlorobenzene	13.268	180	636563	188.64 ug/L	99
84) Hexachlorobutadiene	12.959	225	453353	186.81 ug/L	99
85) Naphthalene	13.023	128	1327892	184.63 ug/L	100
86) Cyclohexane	4.559	56	560928	189.75 ug/L #	84
87) 1,4-Dioxane	5.754	88	4811	196.14 ug/L #	59
88) tert-Butyl Acetate	5.514	57	1245405	980.28 ug/L #	86

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

Data File: C:\msdchem\1\DATA\111208\V93977.D
DataAcq Meth:8260RUN.M
Acq On : 8 Dec 2011 7:36 pm Operator: Bill Brew
Sample : 200ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 09 07:24:25 2011
Quant Method : C:\msdchem\1\METHODS\120811.M
Quant Title : 8260/624 Analysis
QLast Update : Fri Dec 09 07:20:30 2011
Response via : Initial Calibration
Integrator: RTE



Evaluate Continuing Calibration Report

Data File: C:\msdchem\1\DATA\111208\V93974.D
DataAcq Meth:8260RUN.M
Acq On : 8 Dec 2011 6:28 pm
Sample : 50ppb mega Cal
Misc :
ALS Vial : 7 Sample Multiplier: 1

Operator: Bill Brew
Inst : Instrument #1

12/20

Quant Time: Dec 20 08:59:20 2011
Quant Method : C:\msdchem\1\METHODS\120811.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Dec 19 10:07:07 2011
Response via : Initial Calibration
Integrator: RTE

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	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	T	Dichlorodifluoromethane	0.129	0.128	0.8	100	0.00
3	TP	Chloromethane	0.222	0.218	1.8	100	0.00
4	TC	Vinyl chloride	0.203	0.207	-2.0	100	0.00
5	T	Bromomethane	0.128	0.131	-2.3	100	0.02
6	T	Chloroethane	0.127	0.131	-3.1	100	0.00
7	T	Trichlorofluoromethane	0.312	0.321	-2.9	100	0.00
8	T	Ethyl ether	0.149	0.156	-4.7	100	0.00
9	T	Freon 113	0.206	0.213	-3.4	100	0.00
10	TC	1,1-Dichloroethene	0.278	0.291	-4.7	100	0.00
11	T	Acetone	0.120	0.050	58.3#	100	0.00
12	T	Carbon disulfide	0.566	0.598	-5.7	100	0.00
13	T	Methyl acetate	0.126	0.122	3.2	100	0.00
14	T	Methylene chloride	0.481	0.248	48.4#	100	0.00
15	T	Acrylonitrile	0.064	0.061	4.7	100	0.00
16	T	tert-Butyl Alcohol	0.020	0.021	-5.0	100	-0.02
17	T	Methyl tert-butyl Ether	0.547	0.573	-4.8	100	0.00
18	T	trans-1,2-Dichloroethene	0.278	0.290	-4.3	100	0.00
19	TP	1,1-Dichloroethane	0.382	0.394	-3.1	100	0.00
20	T	Vinyl acetate	0.267	0.275	-3.0	100	0.00
21	T	2,2-Dichloropropane	0.344	0.358	-4.1	100	0.00
22	T	2-Butanone	0.021	0.021	0.0	100	0.00
23	T	cis-1,2-Dichloroethene	0.261	0.265	-1.5	100	0.00
24	T	Bromochloromethane	0.125	0.133	-6.4	100	0.00
25	TC	Chloroform	0.459	0.457	0.4	100	0.00
26	S	Pentafluorobenzene	0.556	0.584	-5.0	100	0.00
27	UN	Tetrahydrofuran	0.100	0.104	-4.0	100	0.00
28	T	1,1,1-Trichloroethane	0.395	0.413	-4.6	100	0.00
29	S	1,2-Dichloroethane-d4	0.243	0.248	-2.1	100	0.00
30	T	Carbon Tetrachloride	0.344	0.357	-3.8	100	0.00
31	T	Benzene	0.960	0.993	-3.4	100	0.00
32	T	1,2-Dichloroethane	0.287	0.296	-3.1	100	0.00
33	T	Trichloroethene	0.298	0.314	-5.4	100	0.00
34	T	Methylcyclohexane	0.458	0.474	-3.5	100	0.00
35	UN	Ethyl acetate	0.000	0.000	0.0	0#	0.00
36	TC	1,2-Dichloropropane	0.249	0.256	-2.8	100	0.00
37	UN	Isobutyl alcohol	0.000	0.000	0.0	0#	-0.07
38	T	Dibromomethane	0.142	0.146	-2.8	100	0.00
39	T	Bromodichloromethane	0.347	0.353	-1.7	100	0.00
40	T	2-Chloroethyl vinyl Ether	0.003	0.003	0.0	100	0.00
41	UN	Isopropyl acetate	0.000	0.000	0.0	0#	0.00
42	T	1,1-Dichloropropene	0.326	0.331	-1.5	100	0.00
43	T	cis-1,3-Dichloropropene	0.408	0.435	-6.6	100	0.00
44	T	4-Methyl-2-pentanone	0.083	0.086	-3.6	100	0.00
45	S	Toluene-D8	0.950	0.993	-4.5	100	0.00
46	TC	Toluene	1.102	1.149	-4.3	100	0.00
47	T	trans-1,3-Dichloropropene	0.366	0.389	-6.3	100	0.00

Data File: C:\msdchem\1\DATA\111208\V93974.D
DataAcq Meth:8260RUN.M
Acq On : 8 Dec 2011 6:28 pm Operator: Bill Brew
Sample : 50ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 20 08:59:20 2011
Quant Method : C:\msdchem\1\METHODS\120811.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Dec 19 10:07:07 2011
Response via : Initial Calibration
Integrator: RTE

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)
48	T	1,1,2-Trichloroethane	0.224	0.232	-3.6	100	0.00
49	T	1,3-Dichloropropane	0.349	0.363	-4.0	100	0.00
50	T	Tetrachloroethene	0.338	0.350	-3.6	100	0.00
51	T	2-Hexanone	0.131	0.134	-2.3	100	0.00
52	T	Dibromochloromethane	0.277	0.291	-5.1	100	0.00
53	T	1,2-Dibromoethane	0.232	0.240	-3.4	100	0.00
54	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
55	TP	Chlorobenzene	0.997	1.037	-4.0	100	0.00
56	T	1,1,1,2-Tetrachloroethane	0.379	0.399	-5.3	100	0.00
57	TC	Ethylbenzene	1.662	1.740	-4.7	100	0.00
58	T	m,p-Xylene	0.632	0.647	-2.4	100	0.00
59	T	o-Xylene	0.666	0.682	-2.4	100	0.00
60	T	Styrene	1.014	1.071	-5.6	100	0.00
61	TP	Bromoform	0.253	0.274	-8.3	100	0.00
62	T	Isopropylbenzene	1.711	1.808	-5.7	100	0.00
63	T	1,2,3-Trichloropropane	0.109	0.111	-1.8	100	0.00
64	S	4-Bromofluorobenzene	0.529	0.516	2.5	100	0.00
65	T	Bromobenzene	0.459	0.480	-4.6	100	0.00
66	TP	1,1,2,2-Tetrachloroethane	0.353	0.373	-5.7	100	0.00
67	T	n-Propylbenzene	1.887	1.989	-5.4	100	0.00
68	T	2-Chlorotoluene	0.439	0.456	-3.9	100	0.00
69	T	4-Chlorotoluene	0.426	0.440	-3.3	100	0.00
70	T	1,3,5-Trimethylbenzene	1.408	1.494	-6.1	100	0.00
71	T	tert-Butylbenzene	0.352	0.365	-3.7	100	0.00
72	T	1,2,4-Trimethylbenzene	1.422	1.479	-4.0	100	0.00
73	T	sec-Butylbenzene	1.870	1.958	-4.7	100	0.00
74	T	p-Isopropyltoluene	1.615	1.685	-4.3	100	0.00
75	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
76	T	1,3-Dichlorobenzene	1.624	1.668	-2.7	100	0.00
77	T	1,4-Dichlorobenzene	1.593	1.610	-1.1	100	0.00
78	T	n-Butylbenzene	2.720	2.827	-3.9	100	0.00
79	T	1,2-Dichlorobenzene	1.466	1.510	-3.0	100	0.00
80	UN	Tetraethyllead	0.000	0.000	0.0	0#	-12.33#
81	T	1,2-Dibromo-3-Chloropropane	0.168	0.172	-2.4	100	0.00
82	T	1,2,4-Trichlorobenzene	1.235	1.273	-3.1	100	0.00
83	T	1,2,3-Trichlorobenzene	1.142	1.159	-1.5	100	0.00
84	T	Hexachlorobutadiene	0.821	0.821	0.0	100	0.00
85	T	Naphthalene	2.434	2.378	2.3	100	0.00
86	TM	Cyclohexane	1.000	0.991	0.9	100	0.00
87	T	1,4-Dioxane	0.008	0.008	0.0	100	-0.02
88	T	tert-Butyl Acetate	0.430	0.450	-4.7	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data File: C:\msdchem\1\DATA\111208\V93974.D
DataAcq Meth:8260RUN.M
Acq On : 8 Dec 2011 6:28 pm Operator: Bill Brew
Sample : 50ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 20 08:59:20 2011
Quant Method : C:\msdchem\1\METHODS\120811.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Dec 19 10:07:07 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.076	96	391896	50.00	ug/L	0.00
54) Chlorobenzene-d5	8.022	117	296564	50.00	ug/L	0.00
75) 1,4-Dichlorobenzene-d4	10.557	152	161872	50.00	ug/L	0.00
System Monitoring Compounds						
26) Pentafluorobenzene	4.505	168	228725	52.46	ug/L	0.00
Spiked Amount 50.000	Range 89 - 116		Recovery = 104.92%			
29) 1,2-Dichloroethane-d4	4.777	65	97203	51.07	ug/L	0.00
Spiked Amount 50.000	Range 66 - 106		Recovery = 102.14%			
45) Toluene-D8	6.560	98	389218	52.28	ug/L	0.00
Spiked Amount 50.000	Range 87 - 107		Recovery = 104.56%			
64) 4-Bromofluorobenzene	9.276	95	153084	48.79	ug/L	0.00
Spiked Amount 50.000	Range 84 - 97		Recovery = 97.58%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.452	85	50167	49.54	ug/L	100
3) Chloromethane	1.596	50	85457	49.02	ug/L	100
4) Vinyl chloride	1.676	62	81050	50.88	ug/L	100
5) Bromomethane	1.933	94	51185	56.35	ug/L	100
6) Chloroethane	2.007	64	51489	51.71	ug/L	100
7) Trichlorofluoromethane	2.210	101	125700	51.37	ug/L	100
8) Ethyl ether	2.434	59	60992	52.21	ug/L	100
9) Freon 113	2.621	101	83286	51.57	ug/L	100
10) 1,1-Dichloroethene	2.621	61	114038	52.31	ug/L	100
11) Acetone	2.658	43	19549	51.93	ug/L	100
12) Carbon disulfide	2.808	76	234199	52.78	ug/L	100
13) Methyl acetate	2.920	43	47983	48.42	ug/L #	100
14) Methylene chloride	3.005	84	97376	53.43	ug/L	100
15) Acrylonitrile	3.203	53	24073	51.60	ug/L	100
16) tert-Butyl Alcohol	3.085	59	823971	5211.47	ug/L	100
17) Methyl tert-butyl Ether	3.229	73	224636	52.40	ug/L	100
18) trans-1,2-Dichloroethene	3.235	61	113672	52.13	ug/L	100
19) 1,1-Dichloroethane	3.582	63	154422	51.63	ug/L	100
20) Vinyl acetate	3.614	43	107793	51.56	ug/L	100
21) 2,2-Dichloropropane	4.067	77	140140	51.99	ug/L	100
22) 2-Butanone	4.078	72	8153	49.91	ug/L	100
23) cis-1,2-Dichloroethene	4.067	96	103741	50.73	ug/L	100
24) Bromochloromethane	4.275	128	52252	53.22	ug/L	100
25) Chloroform	4.334	83	178952	49.78	ug/L	100
27) Tetrahydrofuran	4.318	42	40577	51.93	ug/L	100
28) 1,1,1-Trichloroethane	4.505	97	161716	52.20	ug/L	100
30) Carbon Tetrachloride	4.654	117	140008	51.95	ug/L	100
31) Benzene	4.836	78	389069	51.73	ug/L	100
32) 1,2-Dichloroethane	4.846	62	115868	51.49	ug/L	100
33) Trichloroethene	5.412	130	122997	52.73	ug/L	100
34) Methylcyclohexane	5.594	83	185569	51.73	ug/L	100
36) 1,2-Dichloropropane	5.620	63	100466	51.50	ug/L	100
38) Dibromomethane	5.727	93	57264	51.29	ug/L	100
39) Bromodichloromethane	5.871	83	138359	50.89	ug/L	100
40) 2-Chloroethyl vinyl Ether	6.149	63	1293	47.05	ug/L #	100

Data File: C:\msdchem\1\DATA\111208\V93974.D
DataAcq Meth:8260RUN.M
Acq On : 8 Dec 2011 6:28 pm Operator: Bill Brew
Sample : 50ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 7 Sample Multiplier: 1

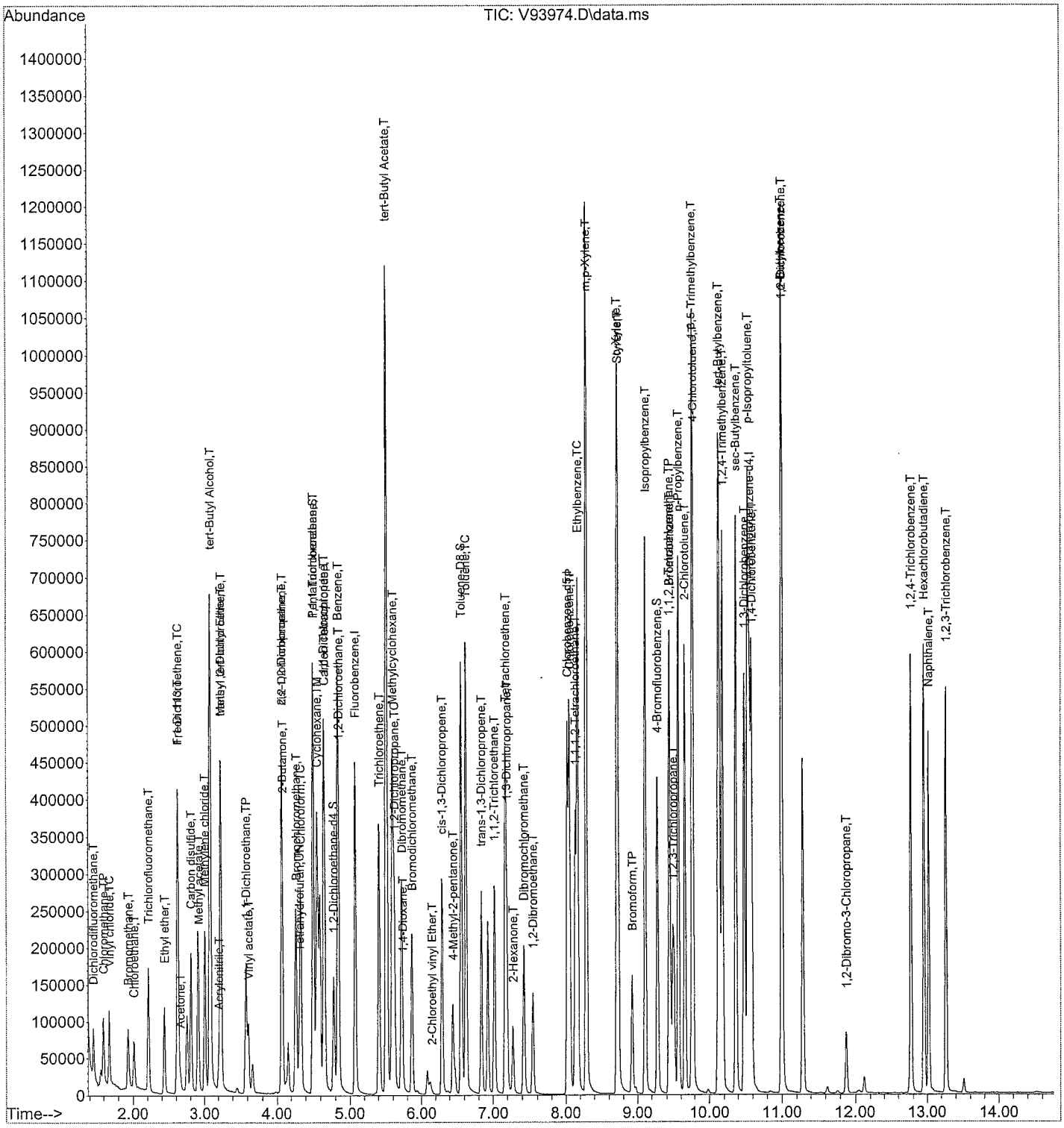
Quant Time: Dec 20 08:59:20 2011
Quant Method : C:\msdchem\1\METHODS\120811.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Dec 19 10:07:07 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) 1,1-Dichloropropene	4.649	75	129587	50.71 ug/L	100
43) cis-1,3-Dichloropropene	6.293	75	170376	53.28 ug/L	100
44) 4-Methyl-2-pentanone	6.447	58	33857	52.08 ug/L	100
46) Toluene	6.624	91	450131	52.13 ug/L	100
47) trans-1,3-Dichloropropene	6.837	75	152453	53.12 ug/L	100
48) 1,1,2-Trichloroethane	7.019	97	90792	51.75 ug/L	100
49) 1,3-Dichloropropane	7.189	76	142429	52.03 ug/L	100
50) Tetrachloroethene	7.173	166	137050	51.80 ug/L	100
51) 2-Hexanone	7.275	43	52646	51.10 ug/L	100
52) Dibromochloromethane	7.419	129	114174	52.52 ug/L	100
53) 1,2-Dibromoethane	7.542	107	93998	51.60 ug/L	100
55) Chlorobenzene	8.054	112	307471	51.98 ug/L	100
56) 1,1,1,2-Tetrachloroethane	8.134	131	118270	52.62 ug/L	100
57) Ethylbenzene	8.166	91	516028	52.35 ug/L	100
58) m,p-Xylene	8.294	106	383667	102.43 ug/L	100
59) o-Xylene	8.716	106	202116	51.15 ug/L	100
60) Styrene	8.726	104	317614	52.79 ug/L	100
61) Bromoform	8.924	173	81208	54.12 ug/L	100
62) Isopropylbenzene	9.116	105	536071	52.82 ug/L	100
63) 1,2,3-Trichloropropane	9.489	110	32924	51.11 ug/L	100
65) Bromobenzene	9.441	156	142499	52.30 ug/L	100
66) 1,1,2,2-Tetrachloroethane	9.436	83	110628	52.87 ug/L	100
67) n-Propylbenzene	9.564	91	589971	52.71 ug/L	100
68) 2-Chlorotoluene	9.655	126	135118	51.88 ug/L	100
69) 4-Chlorotoluene	9.778	126	130388	51.64 ug/L	100
70) 1,3,5-Trimethylbenzene	9.762	105	443080	53.06 ug/L	100
71) tert-Butylbenzene	10.125	134	108366	51.86 ug/L	100
72) 1,2,4-Trimethylbenzene	10.178	105	438563	51.99 ug/L	100
73) sec-Butylbenzene	10.370	105	580654	52.35 ug/L	100
74) p-Isopropyltoluene	10.535	119	499665	52.15 ug/L	100
76) 1,3-Dichlorobenzene	10.487	146	270054	51.35 ug/L	100
77) 1,4-Dichlorobenzene	10.589	146	260653	50.56 ug/L	100
78) n-Butylbenzene	10.994	91	457666	51.98 ug/L	100
79) 1,2-Dichlorobenzene	11.005	146	244391	51.50 ug/L	100
81) 1,2-Dibromo-3-Chloropr...	11.880	157	27920	51.24 ug/L	100
82) 1,2,4-Trichlorobenzene	12.772	180	206132	51.55 ug/L	100
83) 1,2,3-Trichlorobenzene	13.268	180	187608	50.74 ug/L	100
84) Hexachlorobutadiene	12.953	225	132859	49.97 ug/L	100
85) Naphthalene	13.022	128	384969	48.85 ug/L	100
86) Cyclohexane	4.558	56	160438	49.53 ug/L	100
87) 1,4-Dioxane	5.738	88	1340	51.27 ug/L	100
88) tert-Butyl Acetate	5.508	57	364521	261.87 ug/L	100

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

Data File: C:\msdchem\1\DATA\111208\V93974.D
DataAcq Meth:8260RUN.M
Acq On : 8 Dec 2011 6:28 pm Operator: Bill Brew
Sample : 50ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 20 08:59:20 2011
Quant Method : C:\msdchem\1\METHODS\120811.M
Quant Title : 8260/624 Analysis
QLast Update : Mon Dec 19 10:07:07 2011
Response via : Initial Calibration
Integrator: RTE



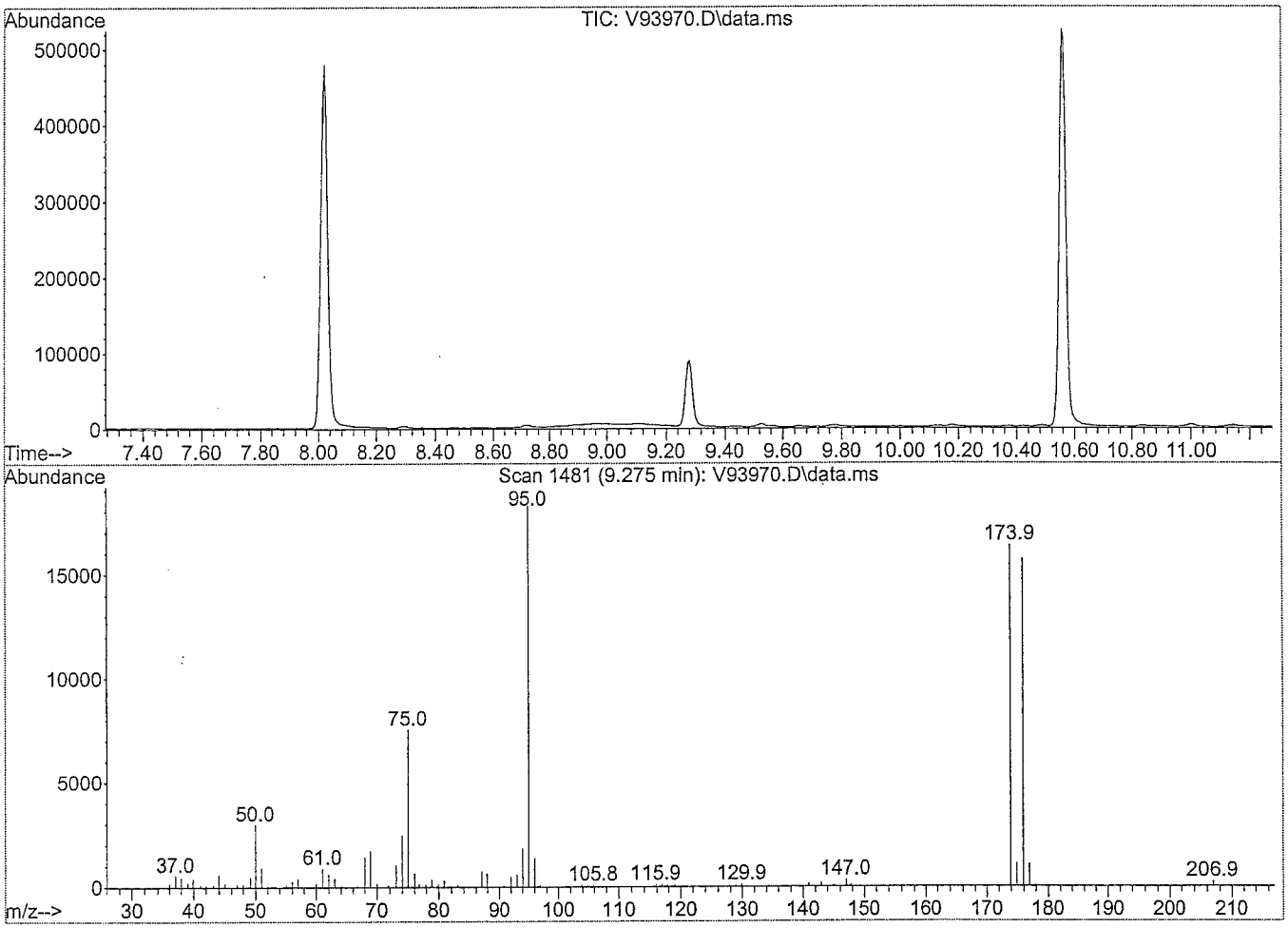
VOLATILE ORGANICS

RAW QC DATA

Data Path : C:\msdchem\1\DATA\111208\
Data File : V93970.D
Acq On : 8 Dec 2011 4:56 pm
Operator : Bill Brew
Sample : 50ng BFB
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\METHODS\120711A.M
Title : 8260/624 Analysis
Last Update : Thu Dec 08 13:33:17 2011



Spectrum Information: Scan 1481

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.2	2963	PASS
75	95	30	60	41.3	7537	PASS
95	95	100	100	100.0	18248	PASS
96	95	5	9	7.3	1333	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	89.6	16344	PASS
175	174	5	9	6.5	1069	PASS
176	174	95	101	96.0	15692	PASS
177	176	5	9	6.7	1047	PASS

12/8 BB

Quantitation Report (Not Reviewed)

Data File: C:\msdchem\1\DATA\111208\V93978.D
DataAcq Meth:8260RUN.M
Acq On : 8 Dec 2011 7:59 pm
Sample : SOIL LCS
Misc : Soil
ALS Vial : 11 Sample Multiplier: 1

Operator: Bill Brew
Inst : Instrument #1

Quant Time: Dec 09 07:50:15 2011
Quant Method : C:\msdchem\1\METHODS\120811.M
Quant Title : 8260/624 Analysis
QLast Update : Fri Dec 09 07:49:08 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	5.080	96	402791	50.00	ug/L		0.00
54) Chlorobenzene-d5	8.020	117	301996	50.00	ug/L		0.00
75) 1,4-Dichlorobenzene-d4	10.560	152	164288	50.00	ug/L		0.00
System Monitoring Compounds							
26) Pentafluorobenzene	4.509	168	239666	53.40	ug/L		0.00
Spiked Amount 50.000	Range 90 - 117		Recovery = 106.80%				
29) 1,2-Dichloroethane-d4	4.781	65	92736	48.25	ug/L		0.00
Spiked Amount 50.000	Range 64 - 106		Recovery = 96.50%				
45) Toluene-D8	6.563	98	386903	48.46	ug/L		0.00
Spiked Amount 50.000	Range 85 - 106		Recovery = 96.92%				
64) 4-Bromofluorobenzene	9.280	95	153435	48.02	ug/L		0.00
Spiked Amount 50.000	Range 79 - 99		Recovery = 96.04%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.456	85	74391	71.48	ug/L		99
3) Chloromethane	1.600	50	103510	57.77	ug/L		98
4) Vinyl chloride	1.680	62	94665	57.82	ug/L		98
5) Bromomethane	1.936	94	56838	61.37	ug/L		98
6) Chloroethane	2.011	64	53076	51.86	ug/L		98
7) Trichlorofluoromethane	2.214	101	132842	52.82	ug/L		98
8) Ethyl ether	2.438	59	63165	52.61	ug/L		100
9) Freon 113	2.625	101	83517	50.31	ug/L		100
10) 1,1-Dichloroethene	2.625	61	112490	50.21	ug/L		98
11) Acetone	2.657	43	21273	55.65	ug/L		99
12) Carbon disulfide	2.811	76	225492	49.45	ug/L		100
13) Methyl acetate	2.924	43	5556	5.46	ug/L	#	96
14) Methylene chloride	3.009	84	93718	49.37	ug/L		99
15) Acrylonitrile	3.206	53	26522	55.45	ug/L		96
16) tert-Butyl Alcohol	3.238	59	3541	21.79	ug/L	#	1
17) Methyl tert-butyl Ether	3.233	73	222665	50.53	ug/L		100
18) trans-1,2-Dichloroethene	3.233	61	111199	49.62	ug/L		100
19) 1,1-Dichloroethane	3.580	63	149507	48.64	ug/L		99
20) Vinyl acetate	3.617	43	118220	55.02	ug/L		100
21) 2,2-Dichloropropane	4.071	77	141727	51.16	ug/L		99
22) 2-Butanone	4.082	72	9696	57.75	ug/L		96
23) cis-1,2-Dichloroethene	4.071	96	108115	51.44	ug/L		99
24) Bromochloromethane	4.274	128	51369	50.90	ug/L		100
25) Chloroform	4.338	83	177828	48.13	ug/L		99
27) Tetrahydrofuran	4.322	42	22537	28.06	ug/L		96
28) 1,1,1-Trichloroethane	4.509	97	157448	49.45	ug/L		98
30) Carbon Tetrachloride	4.653	117	138325	49.94	ug/L		99
31) Benzene	4.834	78	381167	49.31	ug/L		99
32) 1,2-Dichloroethane	4.845	62	116171	50.22	ug/L		98
33) Trichloroethene	5.410	130	114174	47.62	ug/L		97
36) 1,2-Dichloropropane	5.619	63	99863	49.80	ug/L	#	63
38) Dibromomethane	5.725	93	59631	51.96	ug/L		97
39) Bromodichloromethane	5.869	83	134903	48.28	ug/L		99
40) 2-Chloroethyl vinyl Ether	6.152	63	61018	2145.10	ug/L	#	98
42) 1,1-Dichloropropene	4.653	75	133568	50.85	ug/L		98

DL/ND

Data File: C:\msdchem\1\DATA\111208\V93978.D
DataAcq Meth:8260RUN.M
Acq On : 8 Dec 2011 7:59 pm Operator: Bill Brew
Sample : SOIL LCS Inst : Instrument #1
Misc : Soil
ALS Vial : 11 Sample Multiplier: 1

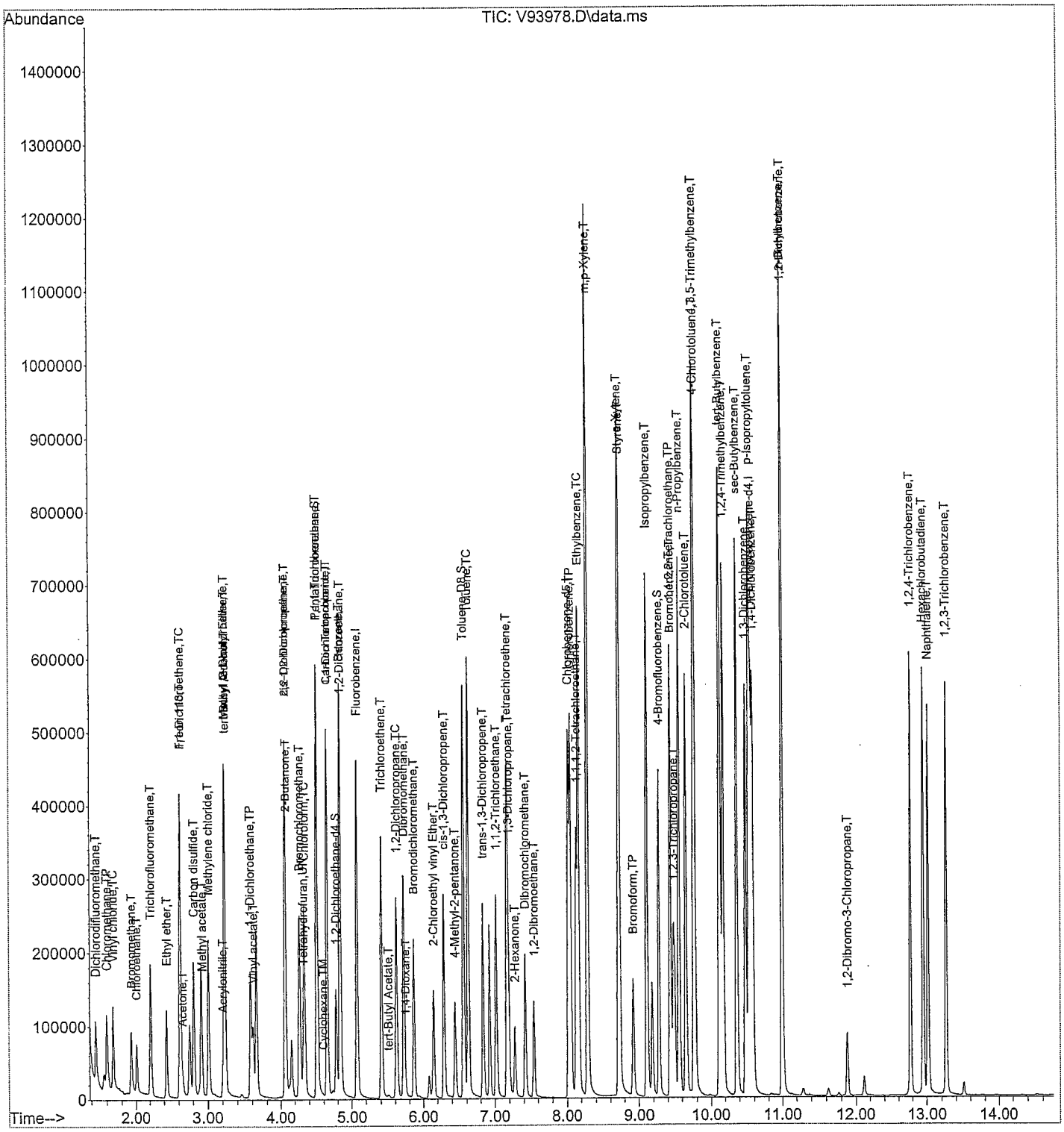
Quant Time: Dec 09 07:50:15 2011
Quant Method : C:\msdchem\1\METHODS\120811.M
Quant Title : 8260/624 Analysis
QLast Update : Fri Dec 09 07:49:08 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) cis-1,3-Dichloropropene	6.296	75	153213	46.62 ug/L	98
44) 4-Methyl-2-pentanone	6.446	58	35920	53.76 ug/L #	60
46) Toluene	6.627	91	432413	48.73 ug/L	100
47) trans-1,3-Dichloropropene	6.835	75	144682	49.05 ug/L	98
48) 1,1,2-Trichloroethane	7.022	97	88066	48.84 ug/L	100
49) 1,3-Dichloropropane	7.193	76	140086	49.79 ug/L	99
50) Tetrachloroethene	7.172	166	133138	48.96 ug/L	99
51) 2-Hexanone	7.278	43	56116	52.99 ug/L	98
52) Dibromochloromethane	7.422	129	108488	48.56 ug/L	100
53) 1,2-Dibromoethane	7.545	107	92961	49.65 ug/L	99
55) Chlorobenzene	8.052	112	295562	49.07 ug/L	100
56) 1,1,1,2-Tetrachloroethane	8.138	131	113756	49.70 ug/L	100
57) Ethylbenzene	8.170	91	497227	49.53 ug/L	100
58) m,p-Xylene	8.292	106	374144	98.09 ug/L	99
59) o-Xylene	8.714	106	190572	47.36 ug/L	98
60) Styrene	8.730	104	316054	51.58 ug/L	100
61) Bromoform	8.922	173	82264	53.84 ug/L	99
62) Isopropylbenzene	9.114	105	512912	49.63 ug/L	100
63) 1,2,3-Trichloropropane	9.488	110	33743	51.44 ug/L	96
65) Bromobenzene	9.445	156	137541	49.57 ug/L	99
66) 1,1,2,2-Tetrachloroethane	9.440	83	112947	53.00 ug/L	100
67) n-Propylbenzene	9.568	91	599974	52.64 ug/L	100
68) 2-Chlorotoluene	9.659	126	126954	47.87 ug/L	98
69) 4-Chlorotoluene	9.776	126	130224	50.65 ug/L	98
70) 1,3,5-Trimethylbenzene	9.765	105	423671	49.83 ug/L	100
71) tert-Butylbenzene	10.123	134	105774	49.71 ug/L	99
72) 1,2,4-Trimethylbenzene	10.176	105	427953	49.82 ug/L	100
73) sec-Butylbenzene	10.368	105	569442	50.42 ug/L	99
74) p-Isopropyltoluene	10.534	119	487543	49.97 ug/L	100
76) 1,3-Dichlorobenzene	10.486	146	262617	49.20 ug/L	100
77) 1,4-Dichlorobenzene	10.587	146	255204	48.77 ug/L	100
78) n-Butylbenzene	10.993	91	445363	49.84 ug/L	100
79) 1,2-Dichlorobenzene	11.003	146	237530	49.31 ug/L	100
81) 1,2-Dibromo-3-Chloropr...	11.884	157	30372	54.92 ug/L	99
82) 1,2,4-Trichlorobenzene	12.770	180	211160	52.03 ug/L	99
83) 1,2,3-Trichlorobenzene	13.266	180	192781	51.37 ug/L	99
84) Hexachlorobutadiene	12.951	225	133058	49.31 ug/L	99
85) Naphthalene	13.021	128	420106	52.53 ug/L	100
86) Cyclohexane	4.594	56	2363	0.72 ug/L #	35
87) 1,4-Dioxane	5.747	88	1525	57.49 ug/L #	44
88) tert-Butyl Acetate	5.507	57	973	0.69 ug/L	94

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

Data File: C:\msdchem\1\DATA\111208\V93978.D
DataAcq Meth:8260RUN.M
Acq On : 8 Dec 2011 7:59 pm Operator: Bill Brew
Sample : SOIL LCS Inst : Instrument #1
Misc : Soil
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 09 07:50:15 2011
Quant Method : C:\msdchem\1\METHODS\120811.M
Quant Title : 8260/624 Analysis
QLast Update : Fri Dec 09 07:49:08 2011
Response via : Initial Calibration
Integrator: RTE



PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella

Client Job Site: 690 St. Paul
Client Job Number: N/A
Field Location: N/A
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5314A
Lab Sample Number: Soil LRB 12/08
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 12/08/2011
Date Reissued: 12/21/2011

Halocarbons	Results in ug / Kg
Bromodichloromethane	< 4.00
Bromomethane	< 4.00
Bromoform	< 10.0
Carbon Tetrachloride	< 4.00
Chloroethane	< 4.00
Chloromethane	< 4.00
2-Chloroethyl vinyl Ether	< 20.0
Chloroform	< 4.00
Dibromochloromethane	< 4.00
1,1-Dichloroethane	< 4.00
1,2-Dichloroethane	< 4.00
1,1-Dichloroethene	< 4.00
cis-1,2-Dichloroethene	< 4.00
trans-1,2-Dichloroethene	< 4.00
1,2-Dichloropropane	< 4.00
cis-1,3-Dichloropropene	< 4.00
trans-1,3-Dichloropropene	< 4.00
Methylene chloride	< 10.0
1,1,2,2-Tetrachloroethane	< 4.00
Tetrachloroethene	< 4.00
1,1,1-Trichloroethane	< 4.00
1,1,2-Trichloroethane	< 4.00
Trichloroethene	< 4.00
Trichlorofluoromethane	< 4.00
Vinyl chloride	< 4.00

Aromatics	Results in ug / Kg
Benzene	< 4.00
Chlorobenzene	< 4.00
Ethylbenzene	< 4.00
Toluene	< 4.00
m,p-Xylene	< 4.00
o-Xylene	< 4.00
Styrene	< 10.0
1,2-Dichlorobenzene	< 4.00
1,3-Dichlorobenzene	< 4.00
1,4-Dichlorobenzene	< 4.00

Ketones	Results in ug / Kg
Acetone	J 11.5
2-Butanone	< 20.0
2-Hexanone	< 10.0
4-Methyl-2-pentanone	< 10.0

Miscellaneous	Results in ug / Kg
Carbon disulfide	< 4.00
Vinyl acetate	< 10.0

ELAP Number 10958 Method: EPA 8260B Data File: V93979.D

Comments: ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella

Client Job Site: 690 St. Paul
Client Job Number: N/A
Field Location: N/A
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 11-5314A
Lab Sample Number: Soil LRB 12/08
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 12/08/2011
Date Reissued: 12/21/2011

Tentatively Identified Compounds	CAS Number	Retention Time	Results in ug / Kg	Percent Fit
None Found	N/A	N/A	< 10.0	N/A

ELAP Number 10958 Method: EPA 8260B Data File: V93979.D

Comments: ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

Quantitation Report (Not Reviewed)

Data File: C:\msdchem\1\DATA\111208\V93979.D
DataAcq Meth:8260RUN.M
Acq On : 8 Dec 2011 8:23 pm
Sample : SOIL LRB
Misc : Soil
ALS Vial : 12 Sample Multiplier: 1

Operator: Bill Brew
Inst : Instrument #1

Quant Time: Dec 09 07:50:19 2011
Quant Method : C:\msdchem\1\METHODS\120811.M
Quant Title : 8260/624 Analysis
QLast Update : Fri Dec 09 07:49:08 2011
Response via : Initial Calibration
Integrator: RTE

[NOTICs]

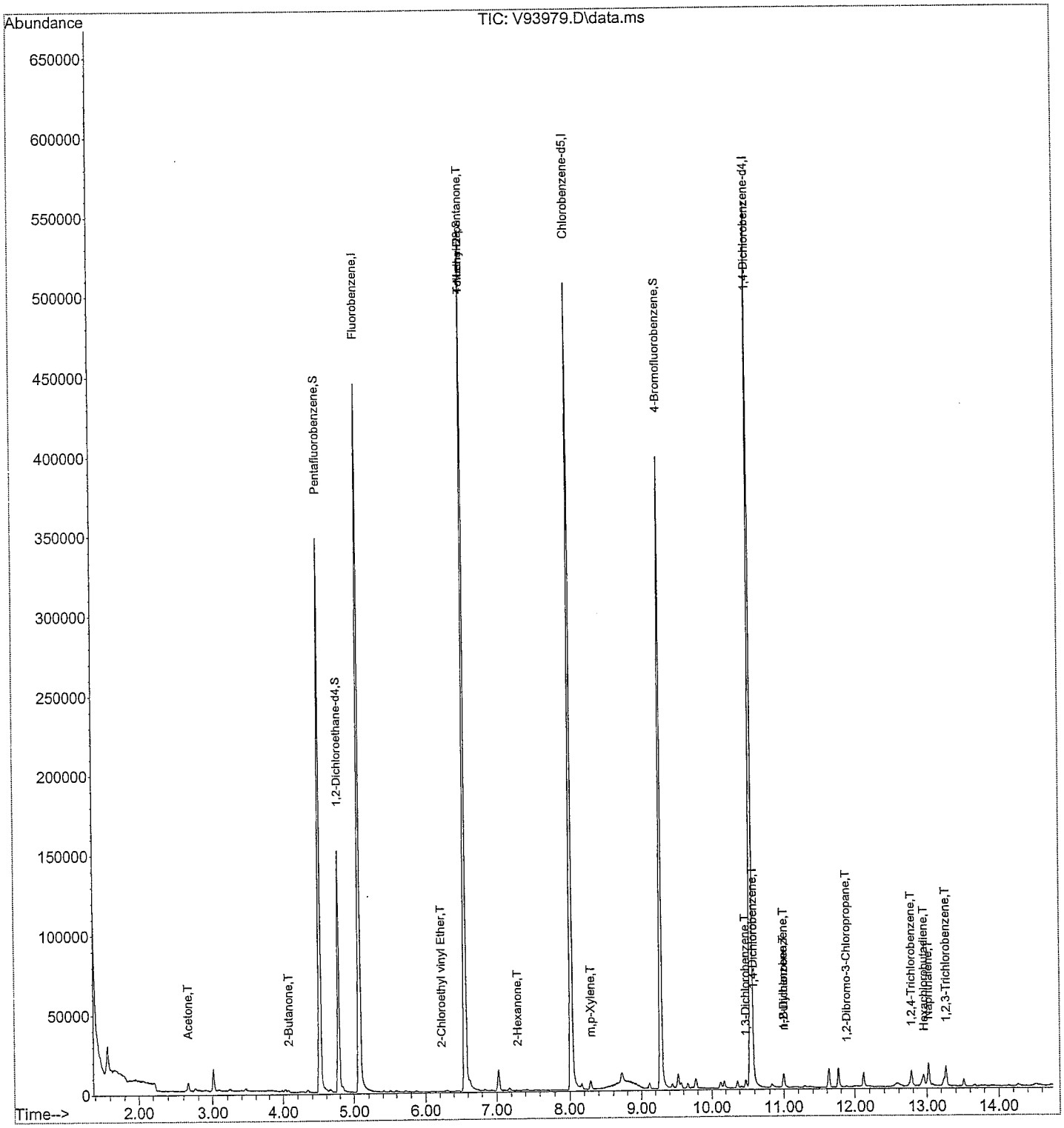
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.080	96	399521	50.00 ug/L	0.00
54) Chlorobenzene-d5	8.021	117	311761	50.00 ug/L	0.00
75) 1,4-Dichlorobenzene-d4	10.561	152	174943	50.00 ug/L	0.00
System Monitoring Compounds					
26) Pentafluorobenzene	4.509	168	234573	52.65 ug/L	0.00
Spiked Amount 50.000	Range 90 - 117		Recovery = 105.30%		
29) 1,2-Dichloroethane-d4	4.782	65	95446	50.14 ug/L	0.00
Spiked Amount 50.000	Range 64 - 106		Recovery = 100.28%		
45) Toluene-D8	6.564	98	370592	46.80 ug/L	0.00
Spiked Amount 50.000	Range 85 - 106		Recovery = 93.60%		
64) 4-Bromofluorobenzene	9.280	95	144948	43.94 ug/L	0.00
Spiked Amount 50.000	Range 79 - 99		Recovery = 87.88%		
Target Compounds					Qvalue
5) Bromomethane	2.022	94	93	Below Cal	83
11) Acetone	2.663	43	5493	5.73 ug/L	92
14) Methylene chloride	3.015	84	5991	Below Cal	97
15) Acrylonitrile	3.314	53	14	Below Cal	84
22) 2-Butanone	4.082	72	117	0.70 ug/L #	1
40) 2-Chloroethyl vinyl Ether	6.222	63	13	~~0.80 ug/L #~~	46
44) 4-Methyl-2-pentanone	6.564	58	2686	~~4.05 ug/L #~~	1
51) 2-Hexanone	7.290	43	437	~~0.42 ug/L #~~	42
58) m,p-Xylene	8.293	106	1785	0.45 ug/L	96
76) 1,3-Dichlorobenzene	10.487	146	2246	0.40 ug/L	99
77) 1,4-Dichlorobenzene	10.588	146	2568	0.46 ug/L #	6
78) n-Butylbenzene	10.999	91	3386	0.36 ug/L	95
79) 1,2-Dichlorobenzene	11.004	146	2032	0.40 ug/L	98
81) 1,2-Dibromo-3-Chloropr...	11.885	157	267	0.45 ug/L #	78
82) 1,2,4-Trichlorobenzene	12.776	180	4239	0.98 ug/L	91
83) 1,2,3-Trichlorobenzene	13.267	180	5811	1.45 ug/L	98
84) Hexachlorobutadiene	12.957	225	2292	0.80 ug/L	99
85) Naphthalene	13.022	128	15883	1.86 ug/L	99

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

Data File: C:\msdchem\1\DATA\111208\V93979.D
DataAcq Meth:8260RUN.M
Acq On : 8 Dec 2011 8:23 pm
Sample : SOIL LRB
Misc : Soil
ALS Vial : 12 Sample Multiplier: 1

Operator: Bill Brew
Inst : Instrument #1

Quant Time: Dec 09 07:50:19 2011
Quant Method : C:\msdchem\1\METHODS\120811.M
Quant Title : 8260/624 Analysis
QLast Update : Fri Dec 09 07:49:08 2011
Response via : Initial Calibration
Integrator: RTE



GC / MS VOA System 6890 / 5973

Internal Standard: 11271

Date of Intial Calibration: 12/8/11

Date	GC Method	Vial #	Data File	Matrix	Sample ID	Volume	Std#	Test	Seq	Intials	A	R	pH	Res Cl	Comments	Intials
12/8/11	8260RUN	1	V93968		200ppb cond.	20 µl	11242		1	BB						
		2	V93969		50 ng BFB	1 µl	11238									
		3	V93970		↓	↓	↓									
		4	V93971		1 ppb mega Cal	0.1 µl	11242									
		5	V93972		5	0.5										
		6	V93973		20	2										
		7	V93974		50	5										
		8	V93975		100	10										
		9	V93976		150	15										
		10	V93977		200	20	↓	updated ICAL 20811.M								
		11	V93978	soil	LCS/~~SSRF~~	5 µl	11243		2							
		12	V93979	↓	LRB				3							
		13	V93980	solid	17369	2.87g	G2	ASP+TICs								
		14	V93981		17370	2.58g										
		15	V93982		17371	2.61g										
		16	V93983		17372	2.53g										
		17	V93984		17373	2.82g										
		18	V93985		17374	2.92g										
		19	V93986		17375	2.62g										
		20	V93987	↓	17376	2.93g	↓									
		21	V93988	soil	17510	2.60g	G3									
		22	V93989		17507	1.87g	~~MGG3~~ DTS 12/8/11	TCL								
		23	V93990		17508	1.68g	G3	↓								
	↓	24	V93991	↓	17321	1.37g	G2-1	*	↓	↓						↓

*A = Accept R = Reject

^ pH and Res Cl recorded for 624 Only

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

LaBella Associates

For Lab Project # 12:0303
Issued January 30, 2012
This report contains a total of 85 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

"<" = analyzed for but not detected at or above the reporting limit.
"E" = Result has been estimated, calibration limit exceeded.
"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.
"V" = Sample concentration is >10 times the spike. No meaningful Spike Recovery can be calculated.
"J" = Any hits present between the reporting limit and half the reporting limit.
"Z" = Please refer to included Case Narrative for explanation.

LAB PROJECT NARRATIVE: 12:0303
PROJECT NAME: 690 St. Paul St.
SDG: 303-01
CLIENT: LaBella Associates

Three soil samples were collected by LaBella Associates personnel on 01/17-01/19/2011 and received at the Paradigm laboratory on 01/23/2011. Container and holding times were acceptable at time of receipt; the samples were received at 5° Centigrade. The samples were submitted with the Chains-of-Custody requesting TCL list VOCs. The analysis was performed using EPA SW-846 methods and holding times.

GENERAL NOTES

The initial and continuing calibration reports are only evaluated for compounds that are on the sample summary report.

Regarding results on QC summary forms versus included raw data, due to calculations made at the instrument where many significant figures may be used, there may be slight discrepancies between the summary report result and that recorded on the raw data. This does not affect data usability.

Regarding initial calibrations, it should be noted that the Quantitation Report concentrations supplied for the initial calibration reflect the calibration prior to updating. The response factors and areas are correct.

Regarding Quantitation Reports, it should be noted that the "#" symbol that appears on some of the Quantitation Reports is a software artifact and should be disregarded.

VOLATILES

Holding times were met for the sample.

All surrogate recoveries for the samples and associated QC were within acceptable limits, except Pentafluorobenzene and Toluene-d8 for sample BW-09-7' and Pentafluorobenzene and 4-Bromofluorobenzene for sample BW-10-7.5'. The surrogates were out low, flagged with an "*" on the summary form, and a notation was made on the sample report. Matrix interference is suspected. Additionally, 4-Bromofluorobenzene was out high in Soil LCS 01/24. It was flagged with an "*" on the summary form. As the LCS, itself, recovered within acceptance limits for all target compounds and the surrogate recoveries were within limits for the Blank (LRB), the LCS was deemed as usable.

Site specific QC was not requested on this SDG. The laboratory control sample recovered within acceptance limits.

The method blank was free from contamination within the reportable ranges.

The instrument tunes passed all criteria.

The internal standards areas and retention times were within acceptance ranges.

All data for the initial calibration was within acceptance limits. Compounds flagged with an "*" on the summary table have been calibrated using a non-average Response Factor calibration curve. The supporting curves are located after the initial calibration table. (see method 8000B, section 7.5.1.2.1).

All continuing calibration data was within acceptance limits.

(signed) _____ (date) 1/31/2012

Bruce Hoogesteger-Technical Director

SDG# : 303-01
LAB PROJECT #: 12:0303
CLIENT: LaBella Assoc.
PROJECT NAME: 690 St. Paul St.

BATCH COMPLETE: 1/23/2012
DATE: 1/26/2012
DATE DUE: 2/13/2012
PROTOCOL: SW846

LAB.SAMPLE#	FIELD ID	MATRIX	REQUESTED ANALYSIS	DATE SAMPLED	DATE REC'D
12:0303-01	BW-09-7'	Soil	VOAs	1/17/2012	1/23/2012
12:0303-02	BW-10-7.5'	Soil	VOAs	1/17/2012	1/23/2012
12:0303-03	REC-B-E	Soil	VOAs	1/19/2012	1/23/2012

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:	
COMPANY: LABELLA	COMPANY: Same	LAB PROJECT #: 12:0303 / CLIENT PROJECT #: 209280
ADDRESS:	ADDRESS:	
CITY: STATE: ZIP:	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)
PHONE: FAX:	PHONE: FAX:	STD [X] 5 / OTHER [ ]
PROJECT NAME/SITE NAME: 690 St. Paul	ATTN: J. GILLEN + D. NOLL	ATTN:
	COMMENTS: JGILLEN@LABELLAPC.COM DNOLL@LABELLAPC.COM	Quotation #

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	TCL VOCs	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	1/17/12			X	BW-09 - 7'	SO	1	X	NEED ASP +	01
2	1/17/12			X	BW-10 - 7.5'	SO	1	X	CAT. B ~~B~~ +	02
3	1/19/12			X	REC-B-E-	SO	1	X	EDD. DEC	03
4										
5										
6										
7										
8										
9										
10										

Per history for site, test for std TCL List and SW-846 holding times. EAH 1/23

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y [X]	N [ ]
Comments:		
Preservation:	Y [ ]	N [ ]
Comments: N/A		
Holding Time:	Y [X]	N [ ]
Comments:		
Temperature:	Y [X]	N [ ]
Comments: 5°C @1400 1/23 - from Samples		

Sampled By — Date/Time: 1/19/12

Relinquished By — Date/Time: 1/23/12

Received By — Date/Time: 1/23/12 1330

Received @ Lab By: Elizabeth A Hon ch — Date/Time: 1/23/12 1405

Cooler Rec'd w/o custody Seals - but N/A bic delivered to Tabby LaBella. EAH 1/23

Total Cost:

P.I.F. [ ]

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

Lab Project #: 12:0303 Client: LaBella

Internal Chain of Custody

Sign-Out Log for Refrigerator: C

Sample #	Container Code:	Initials	Date/Time Out:	Date/Time In:
01	62	BB	1/23/12 15:10	1/23/12 15:21
02	↓	↓	↓	↓
03	↓	↓	↓	↓
01	62	BB	1/24/12 11:45	1/24/12 12:15
02	↓	↓	↓	↓
03	↓	↓	↓	↓

Lab Project Number	Lab Sample Number	Client/Project Name/Number	Log in Date	Log in Time	Matrix	Log in Init.	pH	Temp	Sample By	Sample Date & Time	Organic Analysis	Metal Analysis	Rotation Tasks	Sub-Out Analysis	Cont. Code
12:0303	01	Labella BW-09-7' @90St.	1/23	1400 (5)	soil	EAH	NA	5°C	Client	1/17	8260TCL				G2
	02	Paul BW-10-7.5'		22 EAH 1/23											
	03	REC-B-E								1/19					
12:0304	01		1/23	1500	soil	EAH	NA	10°C iced	Client	1/18	8270 ★				G2
	02									1/19					
	03									1/20					
	04									1/21	8260 ★ TPH 310.13		pH	Heterotrophic Plate Count	
	05														
12:0305	01		1/23	1545	air	EAH	NA	NA	Client	1/23			t. dust		A
12:0306	01		1/23	1550	air	EAH	NA	NA	Client	1/23			t. dust		A
	02														
	03														
	04														
	05														
12:0307	01		1/23	1610	Aq Liq	EAH	NA	15°C	Client	1/23	~~TCLP VOA~~ 8260 TCL CPC DS 1/24 EAH 1/24	~~TCLP RCRA Met~~			MP, S2 VU
	02											TCLP RCRA Met			MP, S2
12:0308	01		1/28 (4)	1130	soil	EAH	NA	5°C iced	Client	1/17	8260 TCL 8270 ★				G2, G1
	02														G2
	03										8270 ABN	RCRA Metals			G2, G1
12:0309	01		1/28 (4)	1135	soil	EAH	NA	6°C	Client	1/19	8260 TCL +MTBE; 8270 ★; 8015 DRO Site spec 8015 GRO spec.				(3)G2
	02														
	03														
	04														
	05				w		var				22 EAH 1/24				S2, VI, V2
12:0310	01		1/24	1245	oil	EAH	NA	10°C iced	Client	1/23	PCB, PHC310.13				VU
	02														

Percent Moisture Prep Log

% Moisture = (Wet Weight - Dry Weight) / (Wet weight - Pan Weight)

Date	Container Code	Sample #	Pan Weight	Wet Weight	Dry Weight	Wet Weight - Pan Weight	Percent Moisture	Initials
11/8/12	G3	242-01	1.63	6.71	6.15	5.08	11.0	m
	G3	Dup 242-01	1.65	6.84	6.24	5.19	~~19.3~~ 18.6	
	G3	242-02	1.61	7.18	6.53	5.57	11.7	
	G3	245-01	1.64	6.72	5.56	5.08	22.8	
	S3	246-01	1.63	7.41	6.19	5.78	21.1	
	S2	251-02	1.63	7.01	5.25	5.38	32.7	
	G2	255-01	1.61	6.84	5.93	5.23	17.4	
	↓	255-02	1.62	6.67	5.67	5.05	19.8	
	↓	255-04	1.63	6.68	5.84	5.05	16.6	
	↓	259-01	1.61	6.88	6.22	5.27	12.5	
	↓	259-02	1.63	6.94	6.33	5.31	11.5	↓
11/9/12	G2	269-01	1.62	6.78	4.46	~~2.32~~ 5.16	45.0	m
	G2	269-01 Dup	1.62	6.67	4.37	5.05	45.5	
	G2	269-02	1.62	7.18	6.09	5.56	19.6	
	S3	275-01	1.64	3.41	2.01	1.77	79.1	20.9% solids
1/23/12	G2	12:0303-01	1.64	10.41	9.31	8.77	12.5%	BB
	↓	-02	1.61	9.93	9.14	8.32	9.50%	
	↓	-03	1.62	8.53	7.80	6.91	10.6%	
	G2	304-01	1.61	10.34	8.26	8.73	23.8%	
	↓	-02	1.62	9.65	7.87	8.03	22.2%	
	↓	-03	1.61	8.55	7.61	6.94	13.5%	
	↓	-04	1.60	7.92	6.20	6.32	22.2%	
	↓	-05	1.62	7.27	5.83	5.65	25.5%	↓
1/24/12	G2	12:0308-01	1.61	9.55	8.09	7.94	18.4%	BB
	↓	-02	1.60	8.56	6.87	6.96	24.3%	
	↓	-03	1.54	7.38	6.63	5.84	12.8%	
	G2-1	309-01	1.51	8.66	7.53	7.15	15.8%	
	↓	-02	1.51	8.29	7.29	6.78	14.7%	
	↓	-03	1.53	8.55	7.27	7.02	18.2%	
	↓	-04	1.53	8.22	7.23	6.69	14.8%	
	G3	311-01	1.55	6.21	5.59	4.66	13.3%	
	↓	-02	1.57	6.62	5.77	5.05	16.8%	
	↓	-03	1.55	8.94	7.78	7.39	15.7%	
	↓	-04	1.53	12.10	10.03	10.57	19.6%	
	↓	-05	1.54	14.89	12.86	13.35	15.2%	
	G2-1	317-01	1.57	11.81	11.45	10.24	3.52%	
	G2	318-01	1.54	9.04	8.01	7.50	13.7%	
	G3	319-01	1.53	9.89	8.91	8.36	11.7%	↓

VOLATILE ORGANICS

QC SUMMARY

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Paradigm Environmental Services Client Name: LaBella

Client Project #: N/A

Lab Project #: 12:0303 SDG No.: 303-01

Client Project Name: 690 St. Paul

Level: (low/med) low

	SAMPLE NO.	SMC1 (PFB)	SMC2 (DCE)	SMC3 (TOL)	SMC4 (BFB)	TOT OUT
01	Soil LRB 01/24	101	96.3	90.3	93.4	0
02	Soil LCS 01/24	100	93.7	92.2	99.6 *	1
03	BW-09-7' 12:0303-01	82.0 *	84.7	71.7 *	85.6	2
04	BW-10-7.5' 12:0303-02	79.4 *	71.3	87.5	53.0 *	2
05	REC-B-E 12:0303-03	96.6	85.3	89.8	88.7	0
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

	QC LIMITS %
SMC1 (PFB) = Pentafluorobenzene	(82.2-114)
SMC2 (DCE) = 1,2-Dichloroethane-d4	(69.1-116)
SMC3 (TOL) = Toluene-d8	(80.5-97.5)
SMC4 (BFB) = 4-Bromofluorobenzene	(75.0-97.8)

* Values outside of current required QC limits

D System Monitoring Compound diluted out

FORM II VOA-2

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella

Client Job Site: 690 St. Paul
Client Job Number: 209280
Field Location: N/A
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:0303
Lab Sample Number: Soil LCS 1/24
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 01/24/2012

SDG# : 303-01

Spiked Compound	Blank Results in ug / Kg	LCS Spiked in ug / Kg	LCS Results in ug / Kg	LCS Percent Recovery	MSD Spiked in ug / Kg	MSD Results in ug / Kg	MSD Percent Recovery	MS / MSD % RPD
1,1-Dichloroethene	< 4.00	100	105	105	N/A	N/A	N/A	N/A
Benzene	< 4.00	100	98.6	98.6	N/A	N/A	N/A	N/A
Trichloroethene	< 4.00	100	97.6	97.6	N/A	N/A	N/A	N/A
Toluene	< 4.00	100	96.6	96.6	N/A	N/A	N/A	N/A
Chlorobenzene	< 4.00	100	96.9	96.9	N/A	N/A	N/A	N/A

ELAP Number 10958 Data File: V95053.D Data File: V95052.D Method: EPA 8260B

PARADIGM
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis QC Limits

Limits effective: Jan 09,2012
Through: Mar 30,2012

Spiked Compound	Soil Spike Limits		Soil % RPD Limits		Water Spike Limits		Water % RPD Limits	
	Lower %	Upper %	Lower %	Upper %	Lower %	Upper %	Lower %	Upper %
1,1-Dichloroethene	77.7	117	0	19.4	78.2	119	0	19.8
Benzene	82.6	109	0	11.2	82.3	112	0	14.5
Trichloroethene	83.3	106	0	13.6	83.2	108	0	16.3
Toluene	83.7	105	0	11.5	81.8	108	0	16.0
Chlorobenzene	84.0	104	0	12.0	82.2	106	0	18.0
Surrogate	**Soil Surrogate Limits**				**Water Surrogate Limits**			
	Lower %	Upper %			Lower %	Upper %		
Pentafluorobenzene	82.2	114			90.0	125		
1,2-Dichloroethane-d4	69.1	116			58.5	129		
Toluene-D8	80.5	97.5			86.1	106		
4-Bromofluorobenzene	75.0	97.8			84.2	102		

ELAP Number 10958

Method: EPA 8260B

Note: When the lower acceptance limit is calculated to be below 10% recovery, a warning limit of 10% is established. Recoveries between the lower acceptance limit and the warning limit will be investigated, but will not invalidate the batch.

4A

VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

Soil LRB 01/24

Lab Name: Paradigm Environmental Services Client Name: LaBella

Lab Project #: 12:0303 Client Project #: N/A SDG No.: 303-01

Client Project Name: 690 St. Paul

Lab File ID: V95053.D Lab Sample ID: Soil LRB 01/24

Date Analyzed: 1/24/2012 Time Analyzed: 13:14

GC Column: microbore ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: Instrument #1

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	N/A	Soil LCS 01/24	V95052.D	12:51
02	BW-09-7'	12:0303-01	V95061.D	16:24
03	BW-10-7.5'	12:0303-02	V95062.D	16:48
04	REC-B-E	12:0303-03	V95063.D	17:12
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

COMMENTS:

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE(BFB)

Lab Name: Paradigm Environmental Services Client Name: LaBella

Lab Project #: 12:0303 Client Project #: 209280 SDG#: 303-01

Client Project Name: 690 St. Paul

Lab File ID: V94537b.D BFB Injection Date: 12/29/2011

Instrument ID: Instrument #1 BFB Injection Time: 15:35

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0-40.0% of mass 95	18.7
75	30.0-60.0% of mass 95	53.6
95	Base peak, 100%relative abundance	100.0
96	5.0-9.0% of mass 95	7.0
173	Less then 2.0% of mass 174	0.0 (0.0)1
174	50.0-100.0% of mass 95	74.8
175	5.0-9.0% of mass 174	5.9 (7.9)1
176	95.0-101.0% of mass 174	72.0 (96.2)1
177	5.0-9.0% of mass176	4.5 (6.3)2

1-Value is % mass 174 2-Value is % mass 176

This check applies to the following Samples, MS, MSD, Blanks & Standards

	Client Sample #	Lab Sample #	Lab File ID	Date Analyzed	Time Analyzed
1	N/A	1ppb mega Cal	V94538a.D	12/29/2011	16:02
2	N/A	5ppb mega Cal	V94539.D	12/29/2011	16:25
3	N/A	20ppb mega Cal	V94540.D	12/29/2011	16:48
4	N/A	50ppb mega Cal	V94541.D	12/29/2011	17:11
5	N/A	100ppb mega Cal	V94542.D	12/29/2011	17:34
6	N/A	150ppb mega Cal	V94543.D	12/29/2011	17:57
7	N/A	200ppb mega Cal	V94544.D	12/29/2011	18:20
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE(BFB)

Lab Name: Paradigm Environmental Services Client Name: LaBella

Lab Project #: 12:0303 Client Project #: N/A SDG#: 17510

Client Project Name: 690 St. Paul

Lab File ID: V95050.D BFB Injection Date: 1/24/2012

Instrument ID: Instrument #1 BFB Injection Time: 12:05

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0-40.0% of mass 95	18.9
75	30.0-60.0% of mass 95	54.0
95	Base peak, 100%relative abundance	100.0
96	5.0-9.0% of mass 95	6.6
173	Less then 2.0% of mass 174	0.0 (0.0)1
174	50.0-100.0% of mass 95	80.3
175	5.0-9.0% of mass 174	6.3 (7.8)1
176	95.0-101.0% of mass 174	77.2 (96.1)1
177	5.0-9.0% of mass176	4.9 (6.4)2

1-Value is % mass 174 2-Value is % mass 176

This check applies to the following Samples, MS, MSD, Blanks & Standards

	Client Sample #	Lab Sample #	Lab File ID	Date Analyzed	Time Analyzed
1	N/A	50ppb mega CC	V95051.D	1/24/2012	12:27
2	N/A	Soil LRB 01/24	V95053.D	1/24/2012	13:14
3	N/A	Soil LCS 01/24	V95052.D	1/24/2012	12:51
4	BW-09-7'	12:0303-01	V95061.D	1/24/2012	16:24
5	BW-10-7.5'	12:0303-02	V95062.D	1/24/2012	16:48
6	REC-B-E	12:0303-03	V95063.D	1/24/2012	17:12
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Paradigm Environmental Services Client Name: LaBella

Lab Project #: 12:0303 Client Project #: N/A SDG#: 303-01

Client Project Name: 690 St. Paul

Lab File ID: V95051.D Date Analyzed: 1/24/2012

Instrument ID: Instrument #1 Time Analyzed: 12:27

Heated Purge: Y

		IS1	FB	IS2	CB	IS3	1,4-DCB
		AREA	RT	AREA	RT	AREA	RT
	12 HOUR STD	314969	5.08	219252	8.02	123526	10.56
	UPPER LIMIT	629938	5.58	438504	8.52	247052	11.06
	LOWER LIMIT	157485	4.58	109626	7.52	61763	10.06
	LAB SAMPLE#						
1	Soil LRB 01/24	316710	5.08	213864	8.02	109309	10.56
2	Soil LCS 01/24	321185	5.08	220262	8.02	124105	10.56
3	12:0303-01	309745	5.08	212628	8.02	114491	10.56
4	12:0303-02	359073	5.08	257419	8.02	116126	10.57
5	12:0303-03	409152	5.08	277114	8.02	135026	10.56
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1=Fluorobenzene

IS2=Chlorobenzene-d5

IS3=1,4-Dichlorobenzene-d4

AREA UPPER LIMIT=+100% of internal standard area

AREA LOWER LIMIT=-50% of internal standard area

RT UPPER LIMIT=+.50 minutes of internal standard RT

RT LOWER LIMIT=-.50 minutes of internal standard RT

*Values outside of QC limits

Instrument:	73 VOA
Matrix:	Soil
Date Run:	03/08/2011 - 03/10/2011
Target (in ppb)	0.50
Acetone, 2-CEVE	1.00
TBA	100.00
1,4-dioxane	25.00

		MDL1	MDL2	MDL3	MDL4	MDL5	MDL6	MDL7				
	Compound	Data File: V82837.D	Data File: V82838.D	Data File: V82839.D	Data File: V82840.D	Data File: V82841.D	Data File: V82842.D	Data File: V82843.D	Standard Deviation	MDL	Pass / Fail 10% Rule	Pass / Fail <Spk. Rule
2	Dichlorodifluoromethane	1.014	1.195	1.183	1.178	1.049	1.194	1.222	0.0814	0.256		
3	Chloromethane	0.419	0.607	0.647	0.638	0.515	0.588	0.593	0.0800	0.251		
4	Vinyl chloride	0.379	0.519	0.474	0.487	0.389	0.527	0.467	0.0584	0.184		
5	Bromomethane	0.506	0.672	0.708	0.656	0.537	0.620	0.599	0.0729	0.229		
6	Chloroethane	0.429	0.532	0.599	0.514	0.339	0.466	0.624	0.0988	0.310		
7	Trichlorofluoromethane	0.434	0.644	0.616	0.627	0.491	0.650	0.620	0.0847	0.266		
8	Ethyl ether	0.344	0.540	0.471	0.528	0.443	0.458	0.441	0.0649	0.204		
9	Freon 113	0.327	0.521	0.574	0.542	0.399	0.528	0.503	0.0885	0.278		
10	1,1-Dichloroethene	0.404	0.488	0.502	0.521	0.395	0.487	0.485	0.0489	0.154		
11	Acetone	5.950	5.160	5.740	5.820	5.140	5.440	5.280	0.3316	1.042		Fail
12	Carbon disulfide	0.329	0.500	0.493	0.508	0.385	0.474	0.479	0.0683	0.215		
13	Methyl acetate	0.892	1.040	0.969	0.732	0.808	0.969	0.700	0.1296	0.407		
14	Methylene chloride	2.439	2.801	2.684	2.673	2.620	2.661	2.555	0.1135	0.357		
15	Acrylonitrile	0.682	0.692	0.813	0.774	0.722	0.706	0.812	0.0558	0.175		
16	tert-Butyl Alcohol	118.860	109.480	101.480	105.220	106.620	110.290	96.460	7.1000	22.315		
17	Methyl tert-butyl Ether	0.406	0.531	0.544	0.582	0.433	0.519	0.570	0.0672	0.211		
18	trans-1,2-Dichloroethene	0.342	0.494	0.542	0.617	0.384	0.491	0.582	0.1001	0.315		
19	1,1-Dichloroethane	0.332	0.535	0.518	0.541	0.384	0.451	0.489	0.0802	0.252		
20	Vinyl acetate	0.399	0.519	0.521	0.577	0.432	0.545	0.488	0.0629	0.198		
21	2,2-Dichloropropane	0.370	0.537	0.495	0.510	0.448	0.488	0.523	0.0570	0.179		
22	2-Butanone	0.696	0.863	0.776	0.760	0.701	0.632	0.809	0.0779	0.245		
23	cis-1,2-Dichloroethene	0.341	0.535	0.493	0.471	0.411	0.461	0.489	0.0634	0.199		
24	Bromochloromethane	0.328	0.538	0.512	0.644	0.428	0.569	0.573	0.1046	0.329		
25	Chloroform	0.352	0.558	0.482	0.548	0.440	0.495	0.510	0.0704	0.221		
26	Pentafluorobenzene	0.382	0.569	0.519	0.547	0.469	0.481	0.499	0.0612	0.192		
27	Tetrahydrofuran	0.650	0.993	0.897	0.959	0.857	0.811	0.746	0.1204	0.378		
28	1,1,1-Trichloroethane	0.362	0.530	0.527	0.522	0.417	0.485	0.536	0.0679	0.213		
29	1,2-Dichloroethane-d4	0.460	0.610	0.569	0.620	0.523	0.536	0.595	0.0568	0.179		
30	Carbon Tetrachloride	0.355	0.526	0.490	0.494	0.353	0.431	0.474	0.0689	0.217		
31	Benzene	0.408	0.573	0.537	0.553	0.425	0.512	0.539	0.0645	0.203		
32	1,2-Dichloroethane	0.381	0.597	0.568	0.590	0.449	0.568	0.537	0.0813	0.255		
33	Trichloroethene	0.388	0.483	0.499	0.542	0.402	0.483	0.514	0.0569	0.179		
34	Methylcyclohexane	0.296	0.399	0.433	0.408	0.343	0.384	0.443	0.0516	0.162		
36	1,2-Dichloropropane	0.394	0.498	0.572	0.582	0.468	0.500	0.480	0.0639	0.201		
38	Dibromomethane	0.385	0.522	0.549	0.512	0.434	0.456	0.499	0.0573	0.180		
39	Bromodichloromethane	0.329	0.454	0.441	0.473	0.381	0.393	0.449	0.0514	0.161		
40	2-Chloroethyl vinyl Ether	2.260	2.450	2.350	2.440	2.370	2.190	2.130	0.1231	0.387		

42	1,1-Dichloropropene	0.331	0.537	0.478	0.557	0.404	0.476	0.503	0.0783	0.246
43	cis-1,3-Dichloropropene	0.278	0.422	0.419	0.415	0.347	0.417	0.426	0.0563	0.177
44	4-Methyl-2-pentanone	0.392	0.481	0.485	0.574	0.415	0.476	0.513	0.0603	0.190
45	Toluene-D8	0.341	0.515	0.456	0.497	0.365	0.454	0.460	0.0648	0.204
46	Toluene	0.448	0.551	0.548	0.574	0.448	0.491	0.554	0.0532	0.167
47	trans-1,3-Dichloropropene	0.302	0.432	0.425	0.422	0.341	0.366	0.354	0.0498	0.157
48	1,1,2-Trichloroethane	0.400	0.567	0.571	0.618	0.478	0.565	0.537	0.0725	0.228
49	1,3-Dichloropropane	0.392	0.569	0.504	0.599	0.429	0.521	0.506	0.0729	0.229
50	Tetrachloroethene	0.325	0.542	0.484	0.487	0.376	0.473	0.469	0.0742	0.233
51	2-Hexanone	0.329	0.457	0.399	0.449	0.281	0.368	0.390	0.0629	0.198
52	Dibromochloromethane	0.254	0.425	0.431	0.483	0.355	0.438	0.436	0.0757	0.238
53	1,2-Dibromoethane	0.375	0.519	0.490	0.585	0.437	0.419	0.484	0.0692	0.217
55	Chlorobenzene	0.378	0.531	0.536	0.578	0.400	0.491	0.530	0.0749	0.236
56	1,1,1,2-Tetrachloroethane	0.361	0.465	0.518	0.460	0.393	0.426	0.466	0.0524	0.165
57	Ethylbenzene	0.339	0.490	0.486	0.483	0.383	0.442	0.464	0.0584	0.183
58	m,p-Xylene	0.653	0.935	0.891	0.959	0.678	0.796	0.908	0.1244	0.391
59	o-Xylene	0.339	0.472	0.417	0.511	0.321	0.452	0.417	0.0686	0.216
60	Styrene	0.307	0.435	0.418	0.451	0.323	0.393	0.367	0.0551	0.173
61	Bromoform	0.346	0.508	0.492	0.457	0.395	0.427	0.482	0.0582	0.183
62	Isopropylbenzene	0.303	0.433	0.396	0.426	0.332	0.385	0.407	0.0485	0.152
63	1,2,3-Trichloropropane	0.462	0.543	0.666	0.660	0.531	0.615	0.672	0.0816	0.257
64	4-Bromofluorobenzene	0.396	0.495	0.439	0.464	0.369	0.459	0.430	0.0426	0.134
65	Bromobenzene	0.345	0.509	0.461	0.493	0.342	0.473	0.466	0.0688	0.216
66	1,1,2,2-Tetrachloroethane	0.455	0.588	0.582	0.645	0.449	0.537	0.582	0.0727	0.229
67	n-Propylbenzene	0.297	0.414	0.384	0.439	0.317	0.379	0.382	0.0503	0.158
68	2-Chlorotoluene	0.407	0.463	0.518	0.441	0.316	0.432	0.522	0.0705	0.222
69	4-Chlorotoluene	0.431	0.493	0.517	0.566	0.331	0.384	0.735	0.1332	0.419
70	1,3,5-Trimethylbenzene	0.380	0.393	0.442	0.430	0.280	0.331	0.461	0.0648	0.204
71	tert-Butylbenzene	0.400	0.473	0.480	0.476	0.306	0.402	0.530	0.0742	0.233
72	1,2,4-Trimethylbenzene	0.369	0.416	0.444	0.460	0.315	0.358	0.445	0.0543	0.171
73	sec-Butylbenzene	0.325	0.430	0.419	0.430	0.283	0.396	0.428	0.0596	0.187
74	p-Isopropyltoluene	0.419	0.458	0.497	0.483	0.351	0.417	0.497	0.0535	0.168
76	1,3-Dichlorobenzene	0.323	0.497	0.480	0.454	0.384	0.422	0.504	0.0662	0.208
77	1,4-Dichlorobenzene	0.342	0.497	0.518	0.538	0.402	0.467	0.481	0.0689	0.217
78	n-Butylbenzene	0.336	0.403	0.405	0.398	0.316	0.353	0.411	0.0387	0.122
79	1,2-Dichlorobenzene	0.374	0.503	0.449	0.468	0.377	0.391	0.476	0.0523	0.164
81	1,2-Dibromo-3-Chloropropa	0.485	0.625	0.537	0.550	0.458	0.725	0.492	0.0935	0.294
82	1,2,4-Trichlorobenzene	0.329	0.420	0.430	0.377	0.301	0.306	0.389	0.0529	0.166
83	1,2,3-Trichlorobenzene	0.317	0.431	0.435	0.411	0.299	0.325	0.422	0.0603	0.190
84	Hexachlorobutadiene	0.347	0.483	0.512	0.493	0.371	0.503	0.498	0.0686	0.216
85	Naphthalene	0.400	0.456	0.463	0.471	0.350	0.441	0.468	0.0447	0.141
86	Cyclohexane	0.300	0.462	0.518	0.445	0.431	0.527	0.455	0.0749	0.235
87	1,4-dioxane	34.610	29.760	35.390	25.120	31.740	28.670	31.290	3.5226	11.071

VOLATILE ORGANICS

SAMPLE DATA

PARADIGM
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella

Client Job Site: 690 St. Paul
Client Job Number: 209280
Field Location: BW-09-7'
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:0303
Lab Sample Number: 12:0303-01
Date Sampled: 01/17/2012
Date Received: 01/23/2012
Date Analyzed: 01/24/2012

Halocarbons	Results in ug / Kg
Bromodichloromethane	< 4.23
Bromomethane	< 4.23
Bromoform	< 10.6
Carbon Tetrachloride	< 4.23
Chloroethane	< 4.23
Chloromethane	< 4.23
2-Chloroethyl vinyl Ether	< 21.2
Chloroform	< 4.23
Dibromochloromethane	< 4.23
1,1-Dichloroethane	< 4.23
1,2-Dichloroethane	< 4.23
1,1-Dichloroethene	< 4.23
cis-1,2-Dichloroethene	< 4.23
trans-1,2-Dichloroethene	< 4.23
1,2-Dichloropropane	< 4.23
cis-1,3-Dichloropropene	< 4.23
trans-1,3-Dichloropropene	< 4.23
Methylene chloride	< 10.6
1,1,2,2-Tetrachloroethane	< 4.23
Tetrachloroethene	< 4.23
1,1,1-Trichloroethane	< 4.23
1,1,2-Trichloroethane	< 4.23
Trichloroethene	J 3.57
Trichlorofluoromethane	< 4.23
Vinyl chloride	< 4.23

Aromatics	Results in ug / Kg
Benzene	< 4.23
Chlorobenzene	< 4.23
Ethylbenzene	< 4.23
Toluene	< 4.23
m,p-Xylene	< 4.23
o-Xylene	< 4.23
Styrene	< 10.6
1,2-Dichlorobenzene	< 4.23
1,3-Dichlorobenzene	< 4.23
1,4-Dichlorobenzene	< 4.23

Ketones	Results in ug / Kg
Acetone	J 21.0
2-Butanone	< 21.2
2-Hexanone	< 10.6
4-Methyl-2-pentanone	< 10.6

Miscellaneous	Results in ug / Kg
Carbon disulfide	J 4.14
Vinyl acetate	< 10.6

ELAP Number 10958 Method: EPA 8260B Data File: V95061.D

Comments: ug / Kg = microgram per Kilogram
Surrogate outliers indicate probable matrix interference

Signature:

Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

LaBella Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\120124\V95061.D
DataAcq Meth:8260RUN.M
Acq On : 24 Jan 2012 4:24 pm
Sample : SOIL #~~12-0303~~-01
Misc : Soil 2.70g
ALS Vial : 13 ~~Sample~~ Multiplier: 1

Operator: Bill Brew
Inst : Instrument #1

Quant Time: Jan 24 16:46:40 2012
Quant Method : C:\msdchem\1\METHODS\122911a.M
Quant Title : 8260/624 Analysis
QLast Update : Wed Jan 18 11:56:14 2012
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.076	96	309745	50.00	ug/L	0.00
54) Chlorobenzene-d5	8.022	117	212628	50.00	ug/L	0.00
75) 1,4-Dichlorobenzene-d4	10.562	152	114491	50.00	ug/L	0.00
System Monitoring Compounds						
26) Pentafluorobenzene	4.505	168	133015	40.99	ug/L	0.00
Spiked Amount 50.000	Range 82.2 - 114		Recovery = 81.98%#			
29) 1,2-Dichloroethane-d4	4.777	65	95061	42.34	ug/L	0.00
Spiked Amount 50.000	Range 69 - 116		Recovery = 84.68%			
45) Toluene-D8	6.560	98	231834	35.86	ug/L	0.00
Spiked Amount 50.000	Range 81 - 98		Recovery = 71.72%#			
64) 4-Bromofluorobenzene	9.276	95	117383	42.81	ug/L	0.00
Spiked Amount 50.000	Range 75 - 98		Recovery = 85.62%			
Target Compounds						Qvalue
11) Acetone	2.658	43	10770m	9.91	ug/L	
12) Carbon disulfide	2.813	76	8926	1.96	ug/L	100
14) Methylene chloride	3.011	84	8393	1.63	ug/L #	87
22) 2-Butanone	4.083	72	237	1.42	ug/L #	13
33) Trichloroethene	5.407	130	2861	1.69	ug/L	87
48) 1,1,2-Trichloroethane	6.997	97	1348	0.91	ug/L #	57
57) Ethylbenzene	8.294	91	3385	0.38	ug/L	92
63) 1,2,3-Trichloropropane	9.505	110	9650	15.37	ug/L #	1
66) 1,1,2,2-Tetrachloroethane	9.516	83	7159	3.55	ug/L	89
67) n-Propylbenzene	9.618	91	7971	0.79	ug/L #	51
68) 2-Chlorotoluene	9.698	126	3080	1.64	ug/L #	45
69) 4-Chlorotoluene	9.778	126	1150	0.61	ug/L #	1
72) 1,2,4-Trimethylbenzene	10.189	105	4087	0.55	ug/L #	64
78) n-Butylbenzene	10.968	91	22202	2.79	ug/L #	40
82) 1,2,4-Trichlorobenzene	12.718	180	2406	0.91	ug/L	80
83) 1,2,3-Trichlorobenzene	13.343	180	6809	2.77	ug/L	89
85) Naphthalene	13.028	128	1980	0.39	ug/L #	41

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

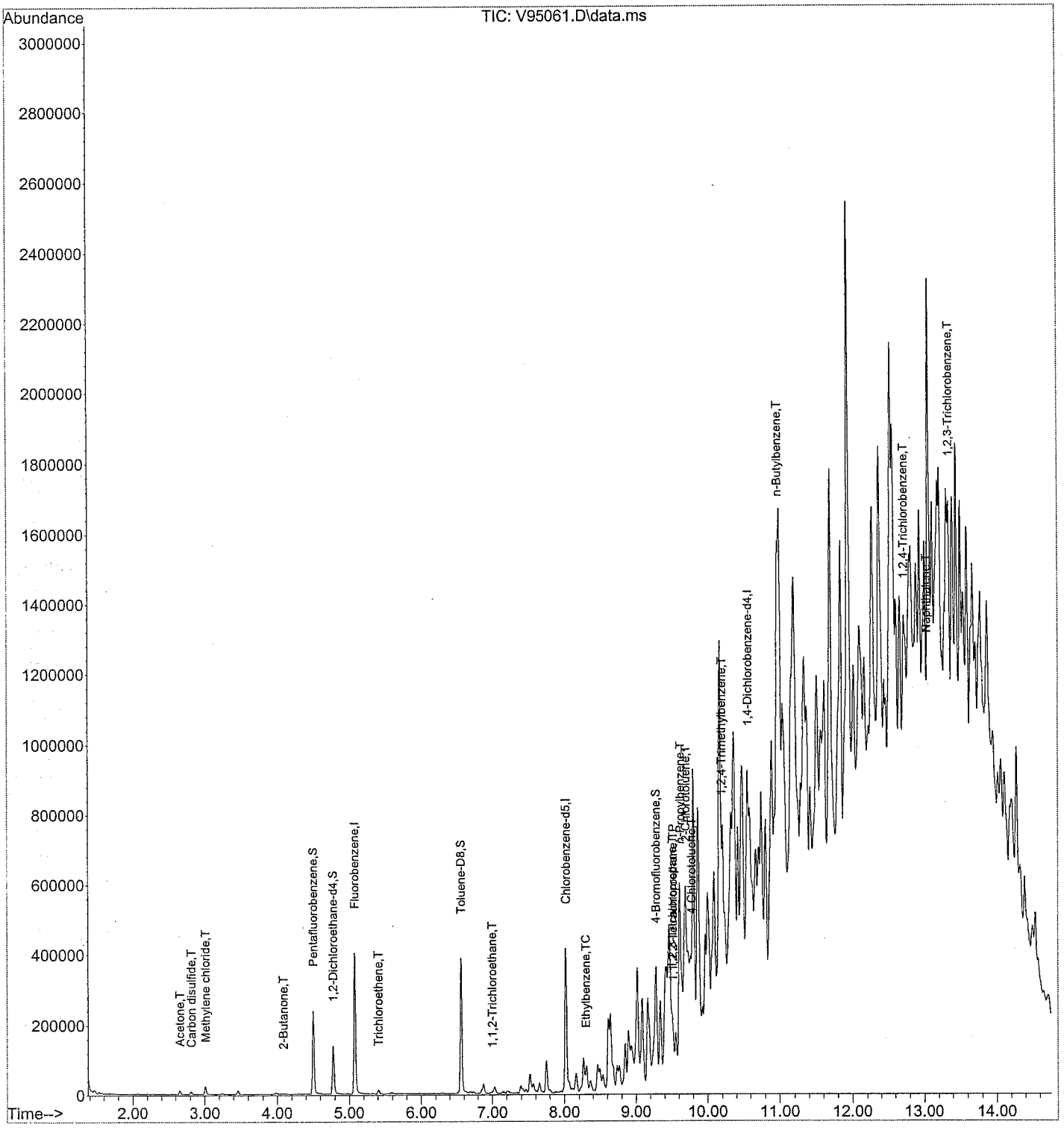
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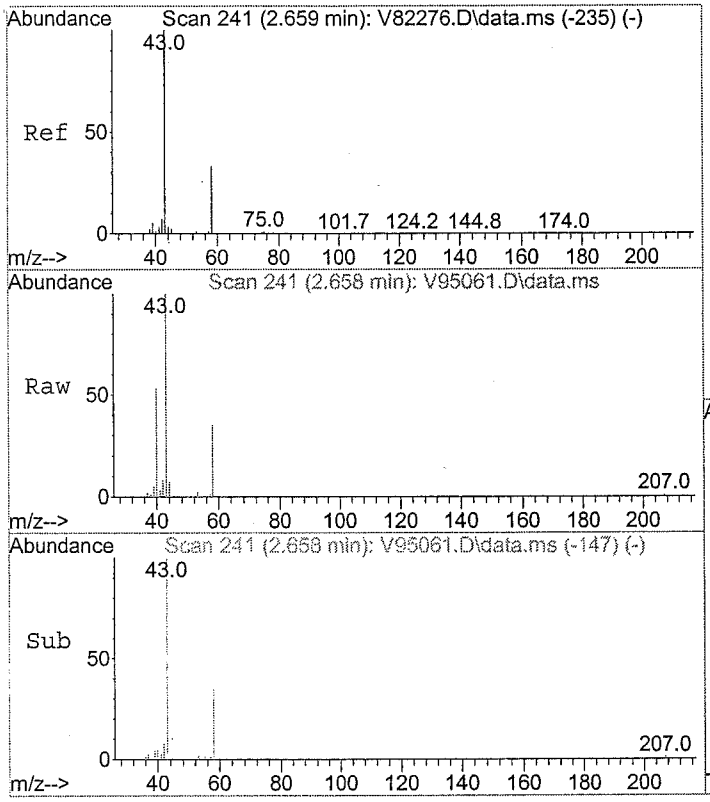
Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\120124\V95061.D
DataAcq Meth:8260RUN.M
Acq On : 24 Jan 2012 4:24 pm
Sample : SOIL #12:0303-01
Misc : Soil 2.70g
ALS Vial : 13 Sample Multiplier: 1

Operator: Bill Brew
Inst : Instrument #1

Quant Time: Jan 24 16:46:40 2012
Quant Method : C:\msdchem\1\METHODS\122911a.M
Quant Title : 8260/624 Analysis
QLast Update : Wed Jan 18 11:56:14 2012
Response via : Initial Calibration
Integrator: RTE

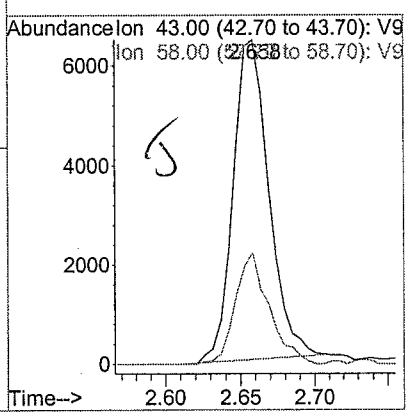




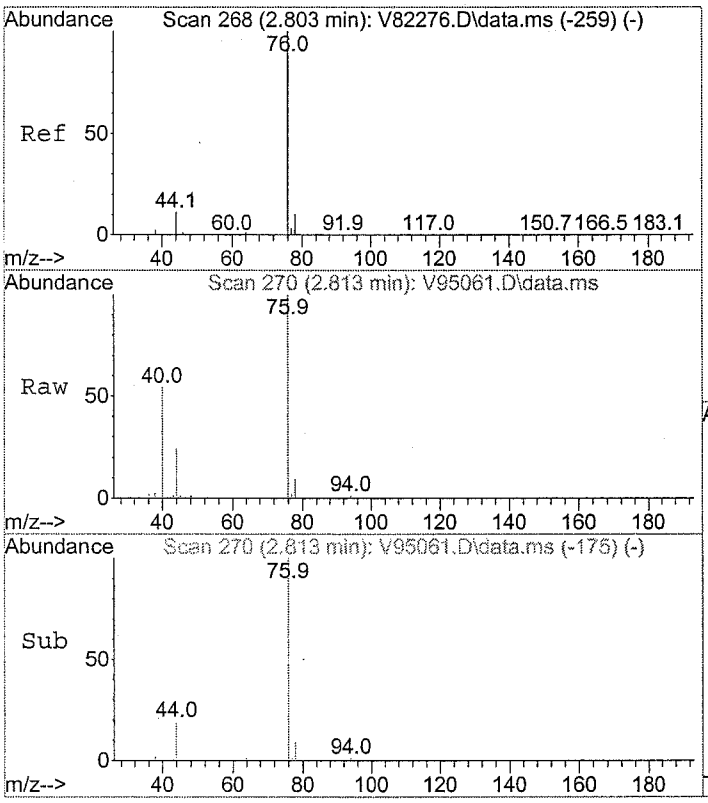
#11
Acetone
Concen: 9.91 ug/L m
RT: 2.658 min Scan# 241
Delta R.T. 0.000 min
Lab File: V95061.D
Acq: 24 Jan 2012 4:24 pm

Tgt Ion: 43 Resp: 10770

Ion	Ratio	Lower	Upper
43	100		
58	32.7	15.0	55.0



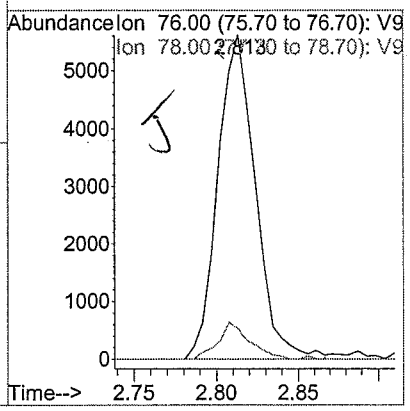
1/24 BB

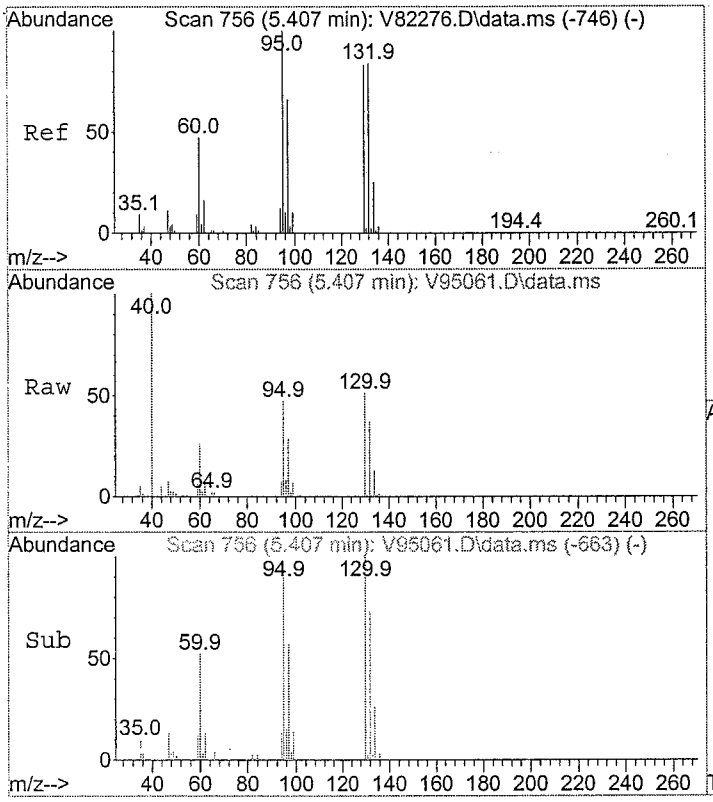


#12
Carbon disulfide
Concen: 1.96 ug/L
RT: 2.813 min Scan# 270
Delta R.T. 0.005 min
Lab File: V95061.D
Acq: 24 Jan 2012 4:24 pm

Tgt Ion: 76 Resp: 8926

Ion	Ratio	Lower	Upper
76	100		
78	9.3	0.0	29.4

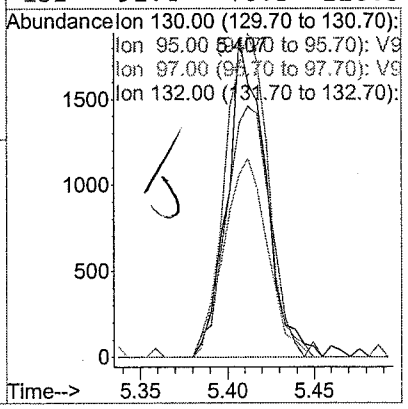




#33
Trichloroethene
Concen: 1.69 ug/L
RT: 5.407 min Scan# 756
Delta R.T. -0.006 min
Lab File: V95061.D
Acq: 24 Jan 2012 4:24 pm

Tgt Ion:130 Resp: 2861

Ion	Ratio	Lower	Upper
130	100		
95	112.8	73.4	113.4
97	70.6	41.0	81.0
132	91.4	76.3	116.3



PARADIGM
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella

Client Job Site: 690 St. Paul
Client Job Number: 209280
Field Location: BW-10-7.5'
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:0303
Lab Sample Number: 12:0303-02
Date Sampled: 01/17/2012
Date Received: 01/23/2012
Date Analyzed: 01/24/2012

Halocarbons	Results in ug / Kg
Bromodichloromethane	< 4.06
Bromomethane	< 4.06
Bromoform	< 10.2
Carbon Tetrachloride	< 4.06
Chloroethane	< 4.06
Chloromethane	< 4.06
2-Chloroethyl vinyl Ether	< 20.3
Chloroform	< 4.06
Dibromochloromethane	< 4.06
1,1-Dichloroethane	< 4.06
1,2-Dichloroethane	< 4.06
1,1-Dichloroethene	< 4.06
cis-1,2-Dichloroethene	< 4.06
trans-1,2-Dichloroethene	< 4.06
1,2-Dichloropropane	< 4.06
cis-1,3-Dichloropropene	< 4.06
trans-1,3-Dichloropropene	< 4.06
Methylene chloride	< 10.2
1,1,2,2-Tetrachloroethane	< 4.06
Tetrachloroethene	< 4.06
1,1,1-Trichloroethane	< 4.06
1,1,2-Trichloroethane	< 4.06
Trichloroethene	J 3.96
Trichlorofluoromethane	< 4.06
Vinyl chloride	< 4.06

Aromatics	Results in ug / Kg
Benzene	< 4.06
Chlorobenzene	< 4.06
Ethylbenzene	32.4
Toluene	J 3.04
m,p-Xylene	101
o-Xylene	< 4.06
Styrene	< 10.2
1,2-Dichlorobenzene	< 4.06
1,3-Dichlorobenzene	< 4.06
1,4-Dichlorobenzene	< 4.06

Ketones	Results in ug / Kg
Acetone	J 17.2
2-Butanone	< 20.3
2-Hexanone	< 10.2
4-Methyl-2-pentanone	< 10.2

Miscellaneous	Results in ug / Kg
Carbon disulfide	J 2.26
Vinyl acetate	< 10.2

ELAP Number 10958 Method: EPA 8260B Data File: V95062.D

Comments: ug / Kg = microgram per Kilogram
Surrogate outliers indicate probable matrix interference

Signature:

Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\120124\V95062.D
DataAcq Meth:8260RUN.M
Acq On : 24 Jan 2012 4:48 pm
Sample : SOIL #12-0303-02
Misc : Soil 2.72g
ALS Vial : 14 Sample Multiplier: 1

Operator: Bill Brew
Inst : Instrument #1

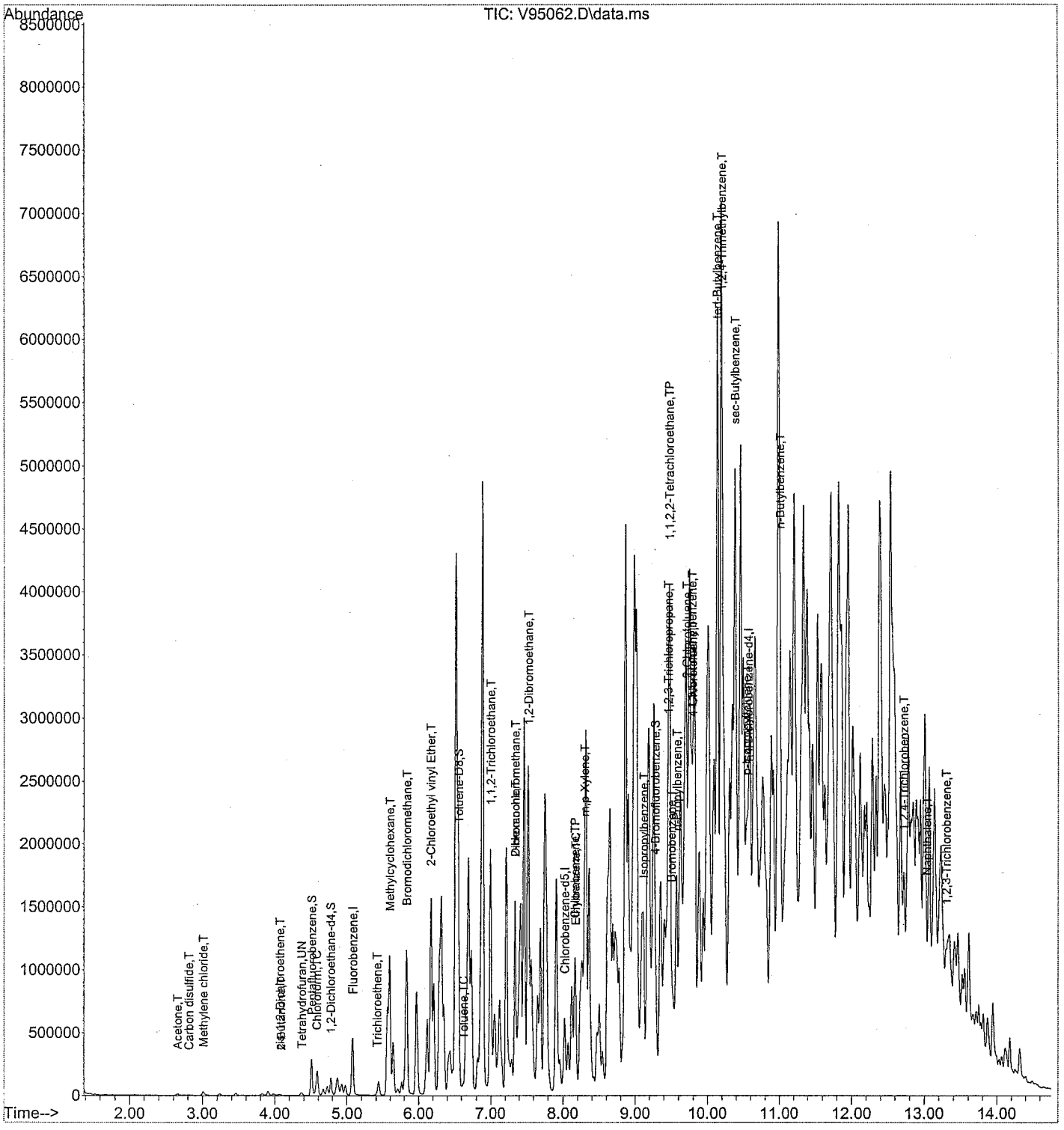
Quant Time: Jan 24 17:25:59 2012
Quant Method : C:\msdchem\1\METHODS\122911a.M
Quant Title : 8260/624 Analysis
QLast Update : Wed Jan 18 11:56:14 2012
Response via : Initial Calibration
Integrator: RTE

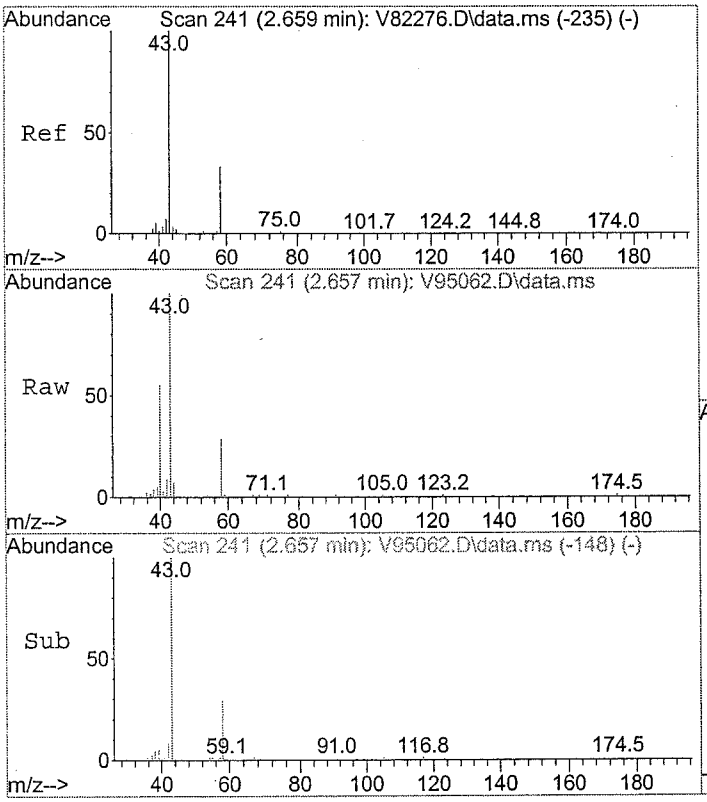
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.080	96	359073	50.00 ug/L	0.00
54) Chlorobenzene-d5	8.020	117	257419	50.00 ug/L	0.00
75) 1,4-Dichlorobenzene-d4	10.566	152	116126	50.00 ug/L	0.00
System Monitoring Compounds					
26) Pentafluorobenzene	4.509	168	149329	39.70 ug/L	0.00
Spiked Amount 50.000	Range 82 - 114		Recovery =	79.40%#	
29) 1,2-Dichloroethane-d4	4.776	65	92763	35.64 ug/L	0.00
Spiked Amount 50.000	Range 69 - 116		Recovery =	71.28%	
45) Toluene-D8	6.563	98	327869	43.75 ug/L	0.00
Spiked Amount 50.000	Range 81 - 98		Recovery =	87.50%	
64) 4-Bromofluorobenzene	9.280	95	87904	26.48 ug/L	0.00
Spiked Amount 50.000	Range 75 - 98		Recovery =	52.96%#	
Target Compounds					Qvalue
11) Acetone	2.657	43	11811	8.46 ug/L	94
12) Carbon disulfide	2.812	76	5880	1.11 ug/L	97
14) Methylene chloride	3.009	84	9590	1.55 ug/L	94
22) 2-Butanone	4.082	72	526	2.71 ug/L #	1
23) cis-1,2-Dichloroethene	4.066	96	834	0.39 ug/L	92
25) Chloroform	4.578	83	1612	0.39 ug/L #	1
27) Tetrahydrofuran	4.370	42	615	0.66 ug/L #	1
33) Trichloroethene	5.411	130	3829	1.95 ug/L #	66
34) Methylcyclohexane	5.592	83	426366	113.57 ug/L	79
39) Bromodichloromethane	5.832	83	28241	8.92 ug/L #	1
40) 2-Chloroethyl vinyl Ether	6.169	63	1627	1.40 ug/L #	48
46) Toluene	6.628	91	13260	1.50 ug/L	93
48) 1,1,2-Trichloroethane	6.996	97	761902	442.34 ug/L #	19
51) 2-Hexanone	7.343	43	330352	265.07 ug/L #	1
52) Dibromochloromethane	7.343	129	1599	0.80 ug/L #	19
53) 1,2-Dibromoethane	7.529	107	848	0.49 ug/L #	1
55) Chlorobenzene	8.159	112	18528	3.14 ug/L #	26
57) Ethylbenzene	8.170	91	170130	15.93 ug/L	94
58) m,p-Xylene	8.298	106	183003	49.73 ug/L #	84
62) Isopropylbenzene	9.120	105	505163	49.31 ug/L	95
63) 1,2,3-Trichloropropane	9.456	110	41994	55.23 ug/L #	1
65) Bromobenzene	9.499	156	1395	0.60 ug/L #	1
66) 1,1,2,2-Tetrachloroethane	9.472	83	364815	149.59 ug/L #	55
67) n-Propylbenzene	9.573	91	968879	79.23 ug/L	91
68) 2-Chlorotoluene	9.707	126	7874	3.46 ug/L #	1
69) 4-Chlorotoluene	9.787	126	4120	1.82 ug/L #	1
70) 1,3,5-Trimethylbenzene	9.776	105	661415	74.52 ug/L	92
71) tert-Butylbenzene	10.128	134	28506	15.62 ug/L #	70
72) 1,2,4-Trimethylbenzene	10.193	105	2995469	335.93 ug/L	97
73) sec-Butylbenzene	10.379	105	853450	75.72 ug/L	90
74) p-Isopropyltoluene	10.545	119	445915	46.99 ug/L	93
78) n-Butylbenzene	11.004	91	654581	81.01 ug/L #	62
82) 1,2,4-Trichlorobenzene	12.717	180	1537	0.57 ug/L #	47
83) 1,2,3-Trichlorobenzene	13.299	180	10012	4.01 ug/L #	1
85) Naphthalene	13.032	128	252058	48.86 ug/L	67

Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\120124\V95062.D
DataAcq Meth:8260RUN.M
Acq On : 24 Jan 2012 4:48 pm Operator: Bill Brew
Sample : SOIL #12:0303-02 Inst : Instrument #1
Misc : Soil 2.72g
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 24 17:25:59 2012
Quant Method : C:\msdchem\1\METHODS\122911a.M
Quant Title : 8260/624 Analysis
QLast Update : Wed Jan 18 11:56:14 2012
Response via : Initial Calibration
Integrator: RTE

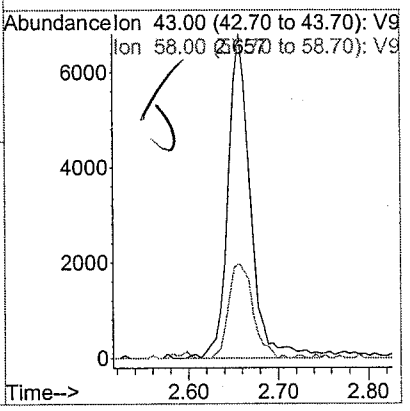




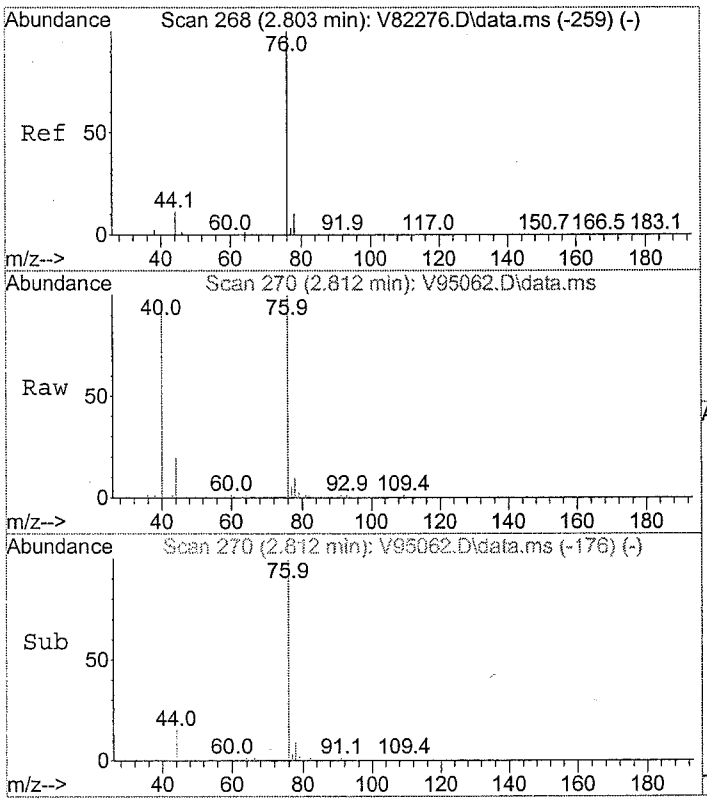
#11
Acetone
Concen: 8.46 ug/L
RT: 2.657 min Scan# 241
Delta R.T. -0.001 min
Lab File: V95062.D
Acq: 24 Jan 2012 4:48 pm

Tgt Ion: 43 Resp: 11811

Ion	Ratio	Lower	Upper
43	100		
58	31.5	15.0	55.0



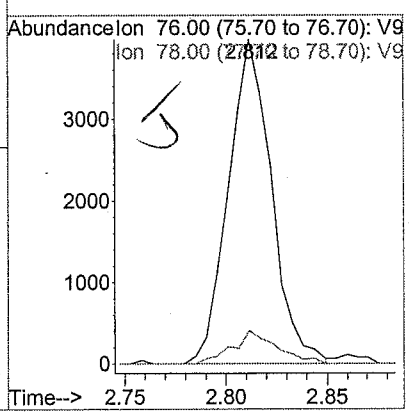
1/24 BB

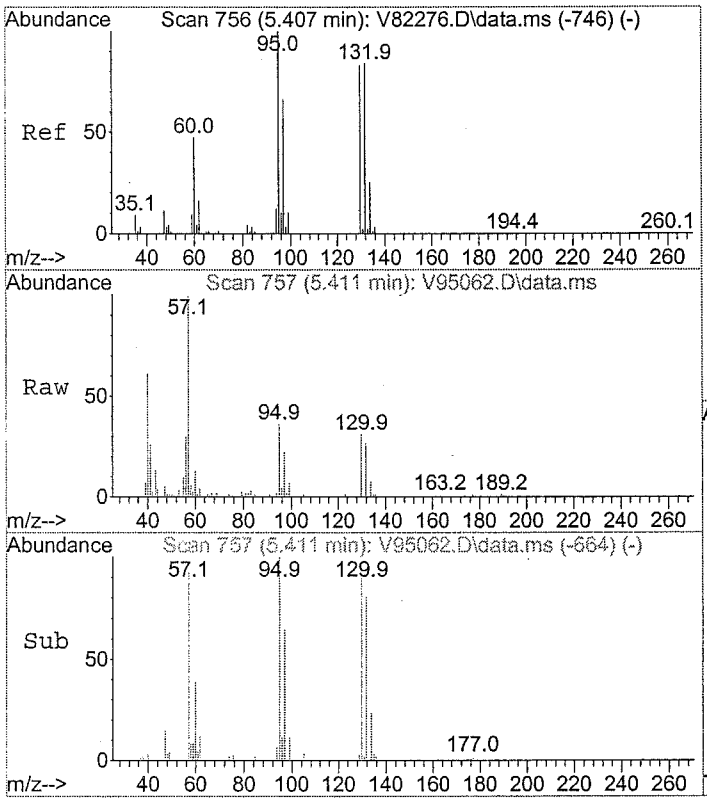


#12
Carbon disulfide
Concen: 1.11 ug/L
RT: 2.812 min Scan# 270
Delta R.T. 0.004 min
Lab File: V95062.D
Acq: 24 Jan 2012 4:48 pm

Tgt Ion: 76 Resp: 5880

Ion	Ratio	Lower	Upper
76	100		
78	10.4	0.0	29.4

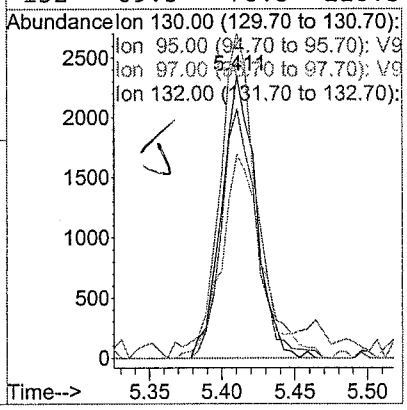


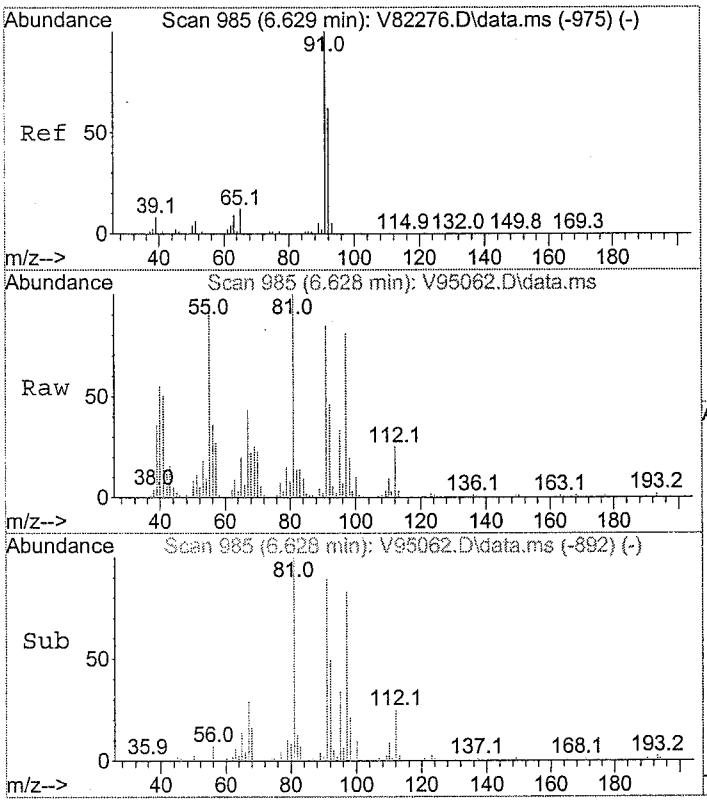


#33
Trichloroethene
Concen: 1.95 ug/L
RT: 5.411 min Scan# 757
Delta R.T. -0.002 min
Lab File: V95062.D
Acq: 24 Jan 2012 4:48 pm

Tgt Ion:130 Resp: 3829

Ion	Ratio	Lower	Upper
130	100		
95	124.6	73.4	113.4#
97	0.0	41.0	81.0#
132	89.3	76.3	116.3

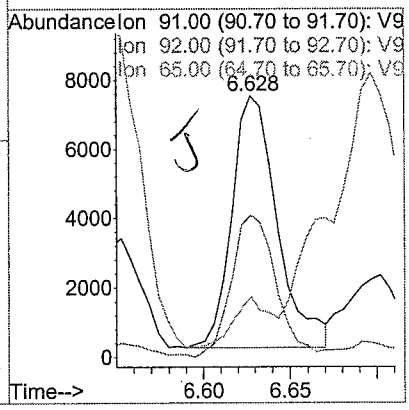


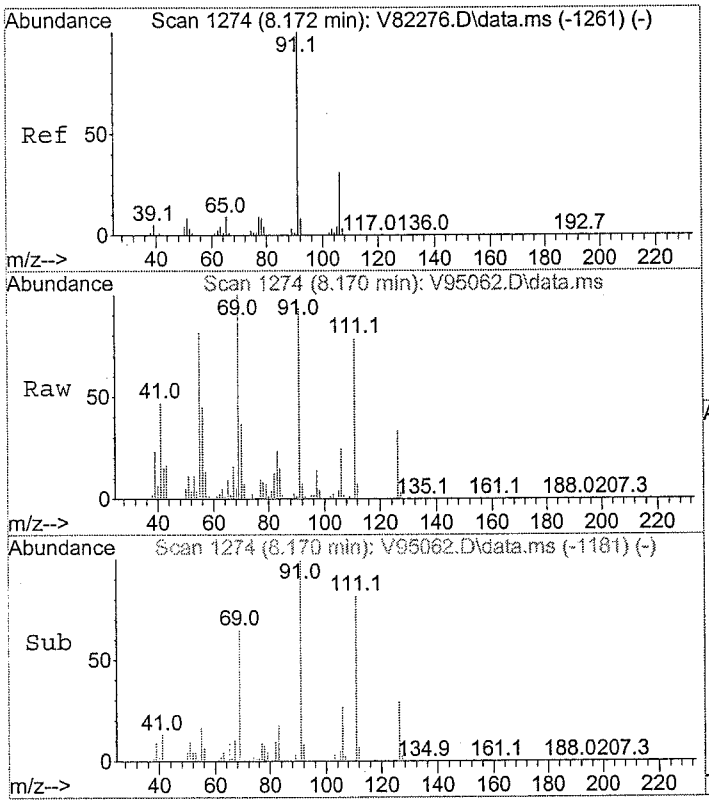


#46
Toluene
Concen: 1.50 ug/L
RT: 6.628 min Scan# 985
Delta R.T. -0.002 min
Lab File: V95062.D
Acq: 24 Jan 2012 4:48 pm

Tgt Ion: 91 Resp: 13260

Ion	Ratio	Lower	Upper
91	100		
92	55.7	39.7	79.7
65	16.0	0.0	30.6

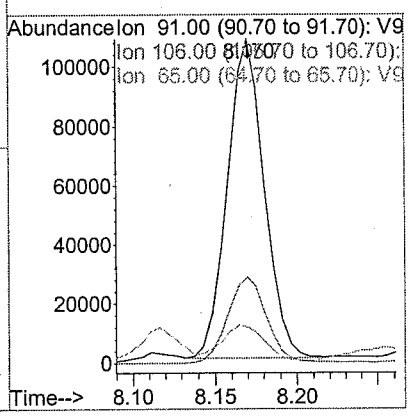


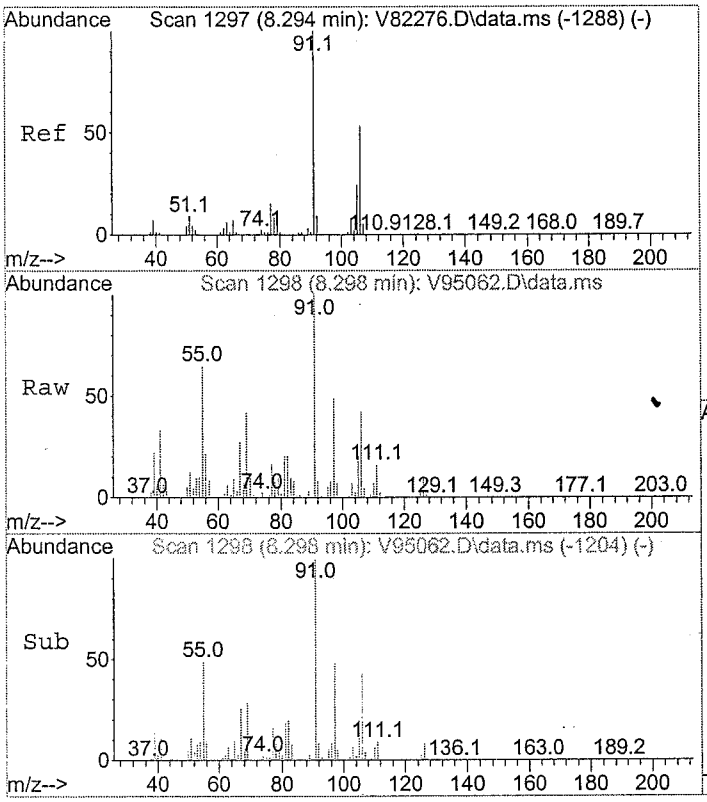


#57
Ethylbenzene
Concen: 15.93 ug/L
RT: 8.170 min Scan# 1274
Delta R.T. -0.002 min
Lab File: V95062.D
Acq: 24 Jan 2012 4:48 pm

Tgt Ion: 91 Resp: 170130

Ion	Ratio	Lower	Upper
91	100		
106	28.6	10.9	50.9
65	12.6	0.0	28.1

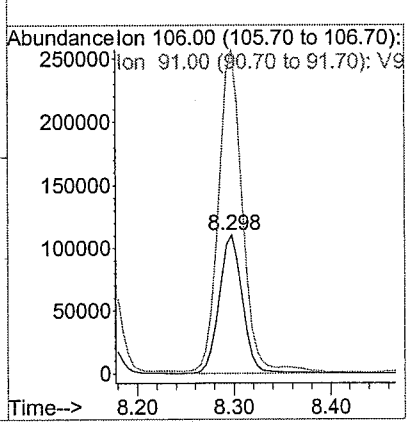




#58
m,p-Xylene
Concen: 49.73 ug/L
RT: 8.298 min Scan# 1298
Delta R.T. 0.004 min
Lab File: V95062.D
Acq: 24 Jan 2012 4:48 pm

Tgt Ion:106 Resp: 183003

Ion	Ratio	Lower	Upper
106	100		
91	231.4	186.9	226.9#



PARADIGM
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella

Client Job Site: 690 St. Paul
Client Job Number: 209280
Field Location: REC-B-E
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:0303
Lab Sample Number: 12:0303-03

Date Sampled: 01/19/2012
Date Received: 01/23/2012
Date Analyzed: 01/24/2012

Halocarbons	Results in ug / Kg
Bromodichloromethane	< 3.60
Bromomethane	< 3.60
Bromoform	< 8.99
Carbon Tetrachloride	< 3.60
Chloroethane	< 3.60
Chloromethane	< 3.60
2-Chloroethyl vinyl Ether	< 18.0
Chloroform	< 3.60
Dibromochloromethane	< 3.60
1,1-Dichloroethane	< 3.60
1,2-Dichloroethane	< 3.60
1,1-Dichloroethene	< 3.60
cis-1,2-Dichloroethene	< 3.60
trans-1,2-Dichloroethene	< 3.60
1,2-Dichloropropane	< 3.60
cis-1,3-Dichloropropene	< 3.60
trans-1,3-Dichloropropene	< 3.60
Methylene chloride	< 8.99
1,1,2,2-Tetrachloroethane	< 3.60
Tetrachloroethene	< 3.60
1,1,1-Trichloroethane	< 3.60
1,1,2-Trichloroethane	< 3.60
Trichloroethene	< 3.60
Trichlorofluoromethane	< 3.60
Vinyl chloride	< 3.60

Aromatics	Results in ug / Kg
Benzene	< 3.60
Chlorobenzene	< 3.60
Ethylbenzene	J 1.80
Toluene	J 2.49
m,p-Xylene	17.5
o-Xylene	J 2.93
Styrene	< 8.99
1,2-Dichlorobenzene	< 3.60
1,3-Dichlorobenzene	< 3.60
1,4-Dichlorobenzene	< 3.60

Ketones	Results in ug / Kg
Acetone	< 18.0
2-Butanone	< 18.0
2-Hexanone	< 8.99
4-Methyl-2-pentanone	< 8.99

Miscellaneous	Results in ug / Kg
Carbon disulfide	J 1.83
Vinyl acetate	< 8.99

ELAP Number 10958 Method: EPA 8260B Data File: V95063.D

Comments: ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\120124\V95063.D
DataAcq Meth:8260RUN.M
Acq On : 24 Jan 2012 5:12 pm
Sample : SOIL #12-0303-03
Misc : Soil 3.11g
ALS Vial : 15 Sample Multiplier: 1

Operator: Bill Brew
Inst : Instrument #1

Quant Time: Jan 24 17:32:50 2012
Quant Method : C:\msdchem\1\METHODS\122911a.M
Quant Title : 8260/624 Analysis
QLast Update : Wed Jan 18 11:56:14 2012
Response via : Initial Calibration
Integrator: RTE

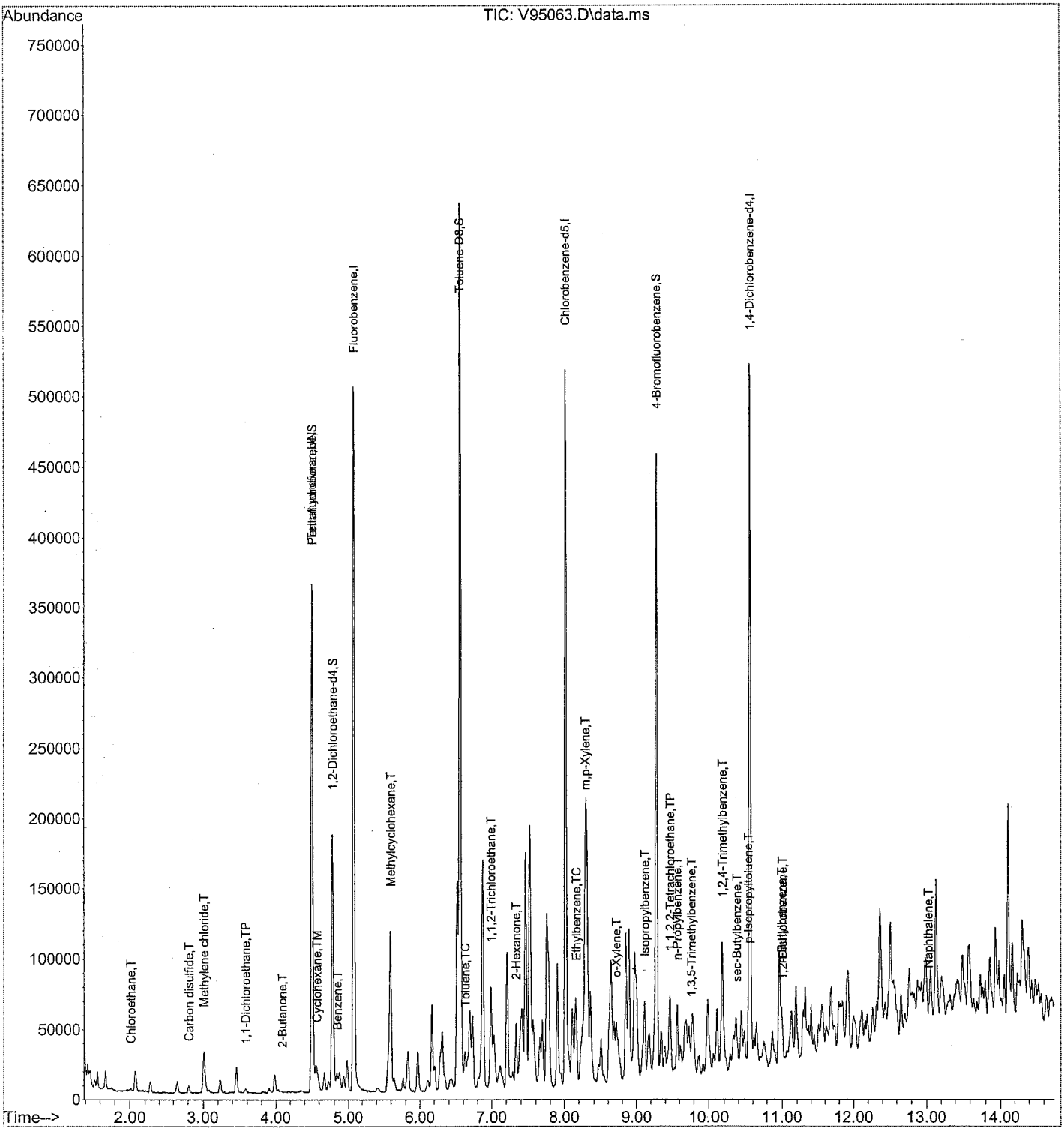
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.080	96	409152	50.00 ug/L	0.00
54) Chlorobenzene-d5	8.021	117	277114	50.00 ug/L	0.00
75) 1,4-Dichlorobenzene-d4	10.561	152	135026	50.00 ug/L	0.00
System Monitoring Compounds					
26) Pentafluorobenzene	4.509	168	206993	48.29 ug/L	0.00
Spiked Amount 50.000	Range 82 - 114		Recovery = 96.58%		
29) 1,2-Dichloroethane-d4	4.781	65	126510	42.66 ug/L	0.00
Spiked Amount 50.000	Range 69 - 116		Recovery = 85.32%		
45) Toluene-D8	6.558	98	383444	44.91 ug/L	0.00
Spiked Amount 50.000	Range 81 - 98		Recovery = 89.82%		
64) 4-Bromofluorobenzene	9.280	95	158546	44.36 ug/L	0.00
Spiked Amount 50.000	Range 75 - 98		Recovery = 88.72%		
Target Compounds					Qvalue
6) Chloroethane	2.012	64	1325	0.96 ug/L	94
11) Acetone	2.657	43	8779	Below Cal	95
12) Carbon disulfide	2.812	76	6121	1.02 ug/L	99
14) Methylene chloride	3.010	84	10363	1.28 ug/L	91
19) 1,1-Dichloroethane	3.581	63	2661	0.62 ug/L	97
22) 2-Butanone	4.088	72	170	0.77 ug/L #	18
27) Tetrahydrofuran	4.504	42	1321	1.24 ug/L #	20
31) Benzene	4.840	78	7664	0.81 ug/L	93
34) Methylcyclohexane	5.593	83	42875	10.02 ug/L #	80
46) Toluene	6.628	91	13964	1.38 ug/L	98
48) 1,1,2-Trichloroethane	6.991	97	26712	13.61 ug/L #	19
51) 2-Hexanone	7.332	43	8048	5.67 ug/L #	1
57) Ethylbenzene	8.165	91	11520	1.00 ug/L	94
58) m,p-Xylene	8.288	106	38575	9.74 ug/L #	87
59) o-Xylene	8.715	106	6439	1.63 ug/L #	85
62) Isopropylbenzene	9.115	105	33512	3.04 ug/L	96
66) 1,1,2,2-Tetrachloroethane	9.462	83	4358	1.66 ug/L #	52
67) n-Propylbenzene	9.563	91	41354	3.14 ug/L	91
70) 1,3,5-Trimethylbenzene	9.761	105	7301	0.76 ug/L	88
72) 1,2,4-Trimethylbenzene	10.177	105	44017	4.59 ug/L	90
73) sec-Butylbenzene	10.374	105	10829	0.89 ug/L	90
74) p-Isopropyltoluene	10.534	119	8007	0.78 ug/L	90
78) n-Butylbenzene	10.993	91	13386	1.42 ug/L #	71
79) 1,2-Dichlorobenzene	11.004	146	2712	0.65 ug/L	89
85) Naphthalene	13.021	128	8675	1.44 ug/L	85
86) Cyclohexane	4.568	56	9932m	2.65 ug/L	

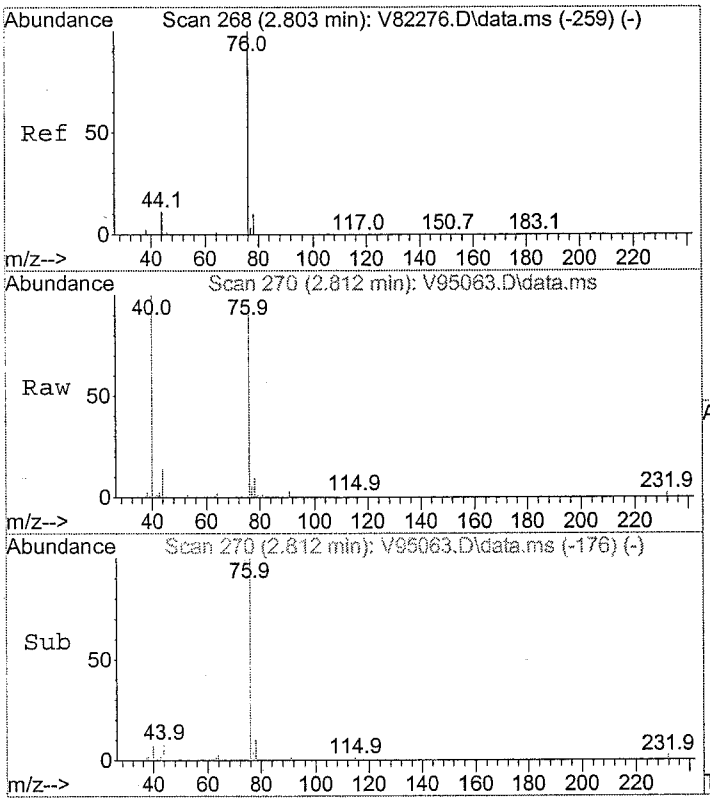
(#) = qualifier out of range (m) = manual integration (+) = signals summed

1/24 BB

Data File: C:\msdchem\1\DATA\120124\V95063.D
DataAcq Meth:8260RUN.M
Acq On : 24 Jan 2012 5:12 pm Operator: Bill Brew
Sample : SOIL #12:0303-03 Inst : Instrument #1
Misc : Soil 3.11g
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 24 17:32:50 2012
Quant Method : C:\msdchem\1\METHODS\122911a.M
Quant Title : 8260/624 Analysis
QLast Update : Wed Jan 18 11:56:14 2012
Response via : Initial Calibration
Integrator: RTE

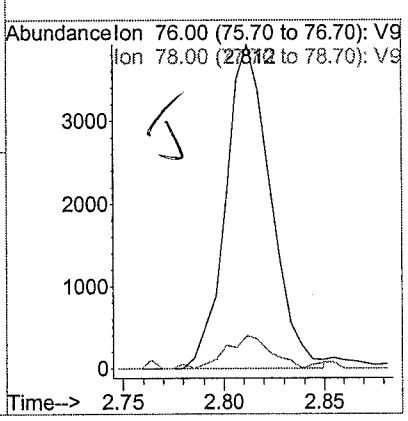




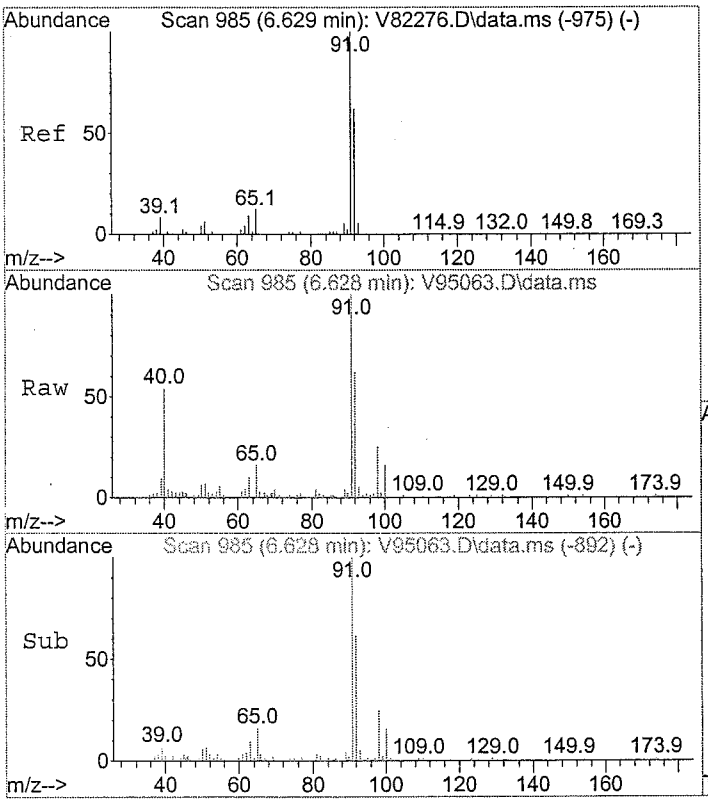
#12
Carbon disulfide
Concen: 1.02 ug/L
RT: 2.812 min Scan# 270
Delta R.T. 0.004 min
Lab File: V95063.D
Acq: 24 Jan 2012 5:12 pm

Tgt Ion: 76 Resp: 6121

Ion	Ratio	Lower	Upper
76	100		
78	9.8	0.0	29.4



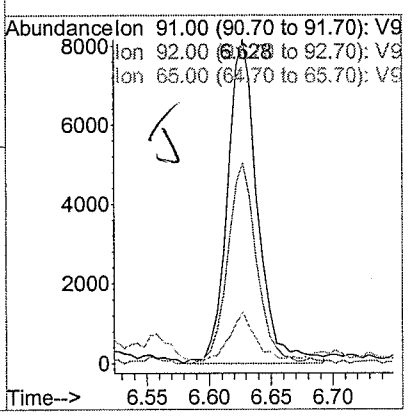
1/24 B13

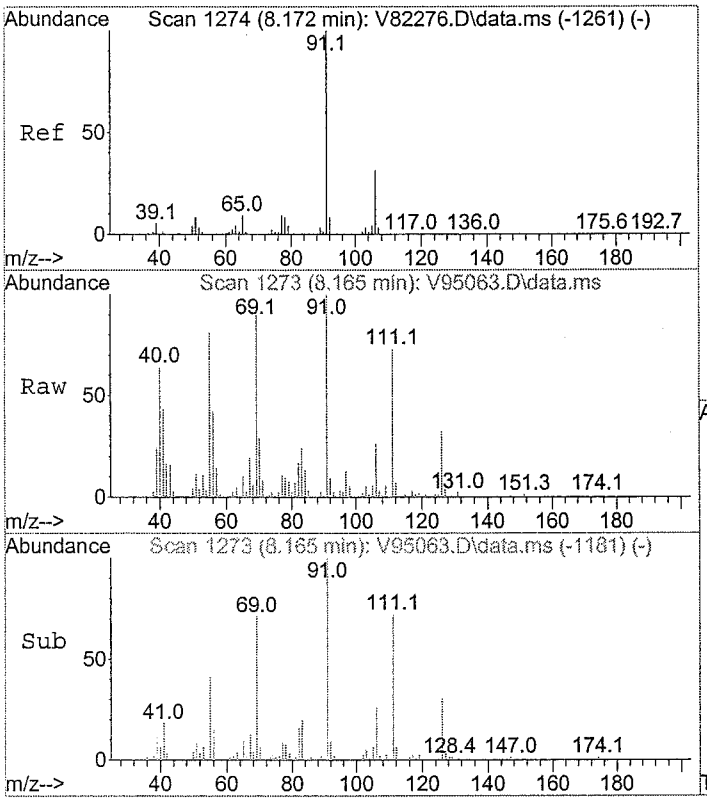


#46
Toluene
Concen: 1.38 ug/L
RT: 6.628 min Scan# 985
Delta R.T. -0.001 min
Lab File: V95063.D
Acq: 24 Jan 2012 5:12 pm

Tgt Ion: 91 Resp: 13964

Ion	Ratio	Lower	Upper
91	100		
92	59.2	39.7	79.7
65	13.8	0.0	30.6

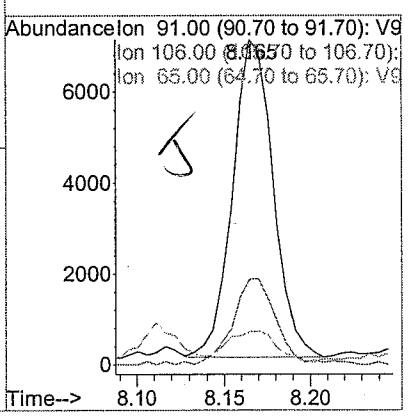


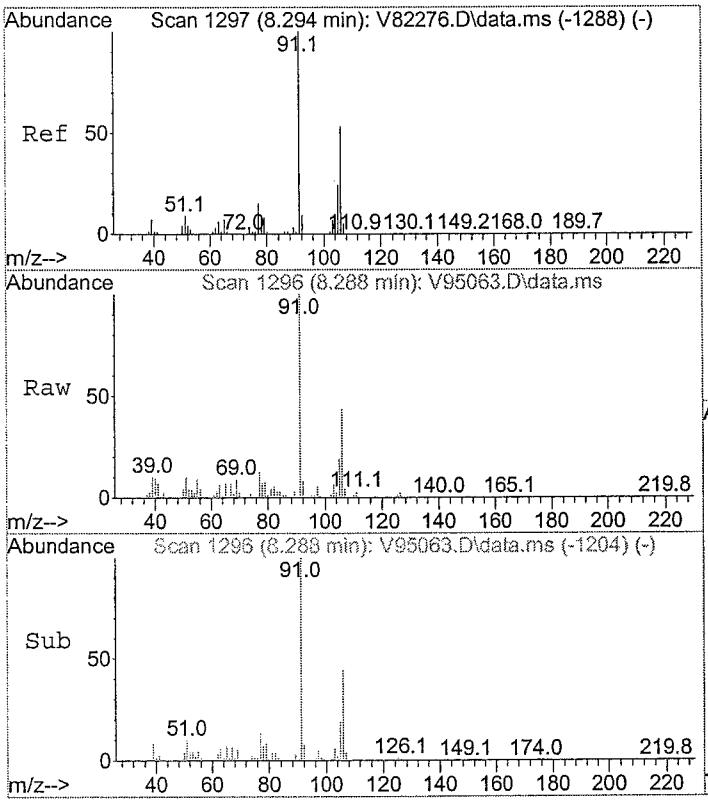


#57
Ethylbenzene
Concen: 1.00 ug/L
RT: 8.165 min Scan# 1273
Delta R.T. -0.007 min
Lab File: V95063.D
Acq: 24 Jan 2012 5:12 pm

Tgt Ion: 91 Resp: 11520

Ion	Ratio	Lower	Upper
91	100		
106	28.8	10.9	50.9
65	12.5	0.0	28.1

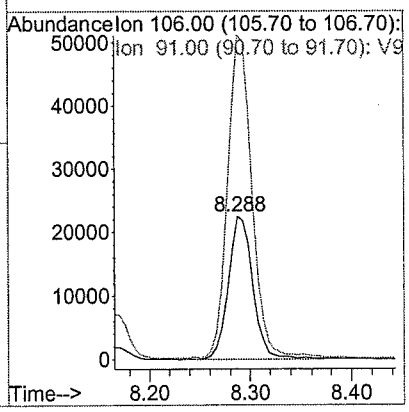


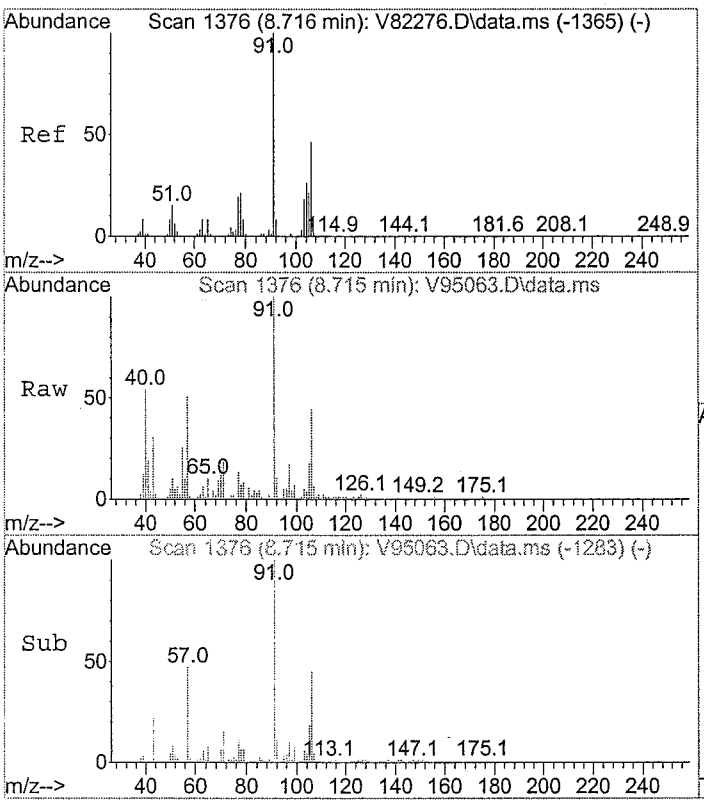


#58
m,p-Xylene
Concen: 9.74 ug/L
RT: 8.288 min Scan# 1296
Delta R.T. -0.007 min
Lab File: V95063.D
Acq: 24 Jan 2012 5:12 pm

Tgt Ion:106 Resp: 38575

Ion	Ratio	Lower	Upper
106	100		
91	227.6	186.9	226.9#

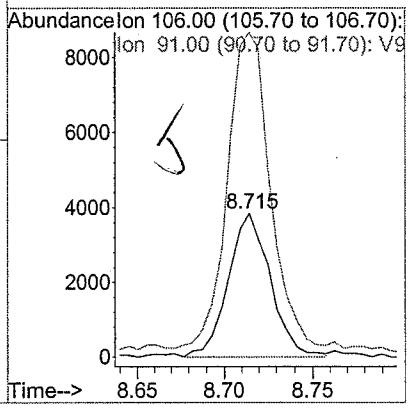




#59
o-Xylene
Concen: 1.63 ug/L
RT: 8.715 min Scan# 1376
Delta R.T. -0.001 min
Lab File: V95063.D
Acq: 24 Jan 2012 5:12 pm

Tgt Ion:106 Resp: 6439

Ion	Ratio	Lower	Upper
106	100		
91	236.9	192.8	232.8#



VOLATILE ORGANICS

STANDARDS DATA

Response Factor Report Instrument #1

Method Path : C:\msdchem\1\METHODS\
Method File : 122911.M
Title : 8260/624 Analysis
Last Update : Thu Dec 29 18:41:36 2011
Response Via : Initial Calibration

Calibration Files
1 =V94538a.D 2 =V94539.D 3 =V94540.D 4 =V94541.D 5 =V94542.D 6 =V94543.D 7 =V94544.D

		Compound	1	2	3	4	5	6	7	Avg	%RSD	
1)	I	Fluorobenzene	ISTD									
2)	T	Dichlorodifluo...	0.263	0.242	0.230	0.210	0.192	0.194	0.187	0.217	13.23	
3)	TP	Chloromethane	0.305	0.301	0.290	0.277	0.254	0.256	0.259	0.277	7.82	
4)	TC	Vinyl chloride	0.289	0.274	0.277	0.264	0.238	0.244	0.239	0.261	7.87	
5)	T	Bromomethane	0.174	0.166	0.160	0.158	0.145	0.145	0.120	0.153	11.74	
6)	T	Chloroethane	0.170	0.184	0.181	0.178	0.158	0.161	0.153	0.169	7.25	
7)	T	Trichlorofluor...	0.537	0.502	0.498	0.465	0.425	0.429	0.400	0.465	10.68	
8)	T	Ethyl ether	0.163	0.196	0.211	0.203	0.193	0.201	0.192	0.194	7.83	
9)	T	Freon 113	0.307	0.288	0.282	0.259	0.244	0.252	0.238	0.267	9.54	
10)	TC	1,1-Dichloroet...	0.455	0.430	0.422	0.404	0.373	0.378	0.359	0.403	8.65	
11)	T	Acetone		0.268	0.111	0.085	0.081	0.073	0.069	0.115	66.90	*
12)	T	Carbon disulfide	0.750	0.736	0.761	0.761	0.717	0.739	0.688	0.736	3.58	
13)	T	Methyl acetate	0.211	0.181	0.174	0.167	0.151	0.153	0.149	0.169	13.02	
14)	T	Methylene chlo...		0.392	0.302	0.271	0.252	0.252	0.250	0.287	19.39	*
15)	T	Acrylonitrile	0.103	0.090	0.090	0.081	0.077	0.082	0.080	0.086	10.46	
16)	T	tert-Butyl Alc...	0.037	0.032	0.032	0.030	0.027	0.028	0.027	0.030	12.22	
17)	T	Methyl tert-bu...	0.741	0.749	0.786	0.764	0.697	0.700	0.688	0.732	5.18	
18)	T	trans-1,2-Dich...	0.430	0.412	0.418	0.388	0.354	0.361	0.345	0.387	8.78	
19)	TP	1,1-Dichloroet...	0.552	0.563	0.554	0.530	0.498	0.504	0.483	0.526	6.01	
20)	T	Vinyl acetate	0.454	0.387	0.395	0.398	0.368	0.395	0.387	0.398	6.70	
21)	T	2,2-Dichloropr...	0.544	0.528	0.521	0.503	0.452	0.443	0.427	0.488	9.57	
22)	T	2-Butanone	0.026	0.029	0.028	0.028	0.026	0.025	0.026	0.027	6.01	
23)	T	cis-1,2-Dichlo...	0.317	0.310	0.314	0.300	0.269	0.277	0.272	0.294	7.16	
24)	T	Bromochloromet...	0.117	0.125	0.119	0.115	0.106	0.109	0.106	0.114	6.42	
25)	TC	Chloroform	0.621	0.634	0.609	0.603	0.540	0.507	0.490	0.572	10.23	
26)	S	Pentafluoroben...		0.584	0.567	0.537	0.480	0.505	0.470	0.524	8.90	
27)	UN	Tetrahydrofuran	0.163	0.136	0.136	0.136	0.118	0.114	0.108	0.130	14.20	
28)	T	1,1,1-Trichlor...	0.543	0.561	0.562	0.539	0.480	0.481	0.454	0.517	8.55	
29)	S	1,2-Dichloroet...		0.408	0.391	0.369	0.337	0.339	0.330	0.362	8.85	
30)	T	Carbon Tetrach...	0.475	0.472	0.470	0.452	0.408	0.415	0.386	0.440	8.27	
31)	T	Benzene	1.205	1.221	1.245	1.181	1.090	1.074	1.045	1.151	6.95	
32)	T	1,2-Dichloroet...	0.476	0.471	0.475	0.450	0.403	0.398	0.381	0.436	9.40	
33)	T	Trichloroethene	0.286	0.284	0.285	0.284	0.259	0.264	0.254	0.274	5.12	
34)	T	Methylcyclohexane	0.505	0.545	0.561	0.543	0.497	0.521	0.487	0.523	5.31	
35)	UN	Ethyl acetate								0.000	-1.00	
36)	TC	1,2-Dichloropr...	0.314	0.332	0.335	0.325	0.297	0.297	0.290	0.313	5.87	
37)	UN	Isobutyl alcohol								0.000	-1.00	
38)	T	Dibromomethane	0.178	0.179	0.185	0.178	0.164	0.163	0.159	0.172	5.92	

122911.M Thu Dec 29 18:42:25 2011 73VOAV2

*curve is not avg. of response factors

Initial Calibration Summary Table

12/29/11 MP

Method Path : C:\msdchem\1\METHODS\
Method File : 122911.M

39)	T	Bromodichlorom...	0.402	0.454	0.471	0.468	0.432	0.434	0.425	0.441	5.60
40)	T	2-Chloroethyl ...		0.144	0.167	0.171	0.159	0.165	0.163	0.162	5.78
41)	UN	Isopropyl acetate								0.000	-1.00
42)	T	1,1-Dichloropr...	0.454	0.454	0.460	0.439	0.403	0.410	0.388	0.430	6.74
43)	T	cis-1,3-Dichlo...	0.401	0.471	0.525	0.527	0.493	0.496	0.479	0.485	8.74
44)	T	4-Methyl-2-pen...	0.098	0.095	0.106	0.112	0.103	0.109	0.107	0.104	5.67
45)	S	Toluene-D8	1.205	1.069	1.102	1.068	0.957	0.963	0.941	1.043	9.18
46)	TC	Toluene	1.288	1.264	1.344	1.278	1.172	1.168	1.130	1.235	6.33
47)	T	trans-1,3-Dich...	0.381	0.441	0.495	0.493	0.462	0.469	0.461	0.458	8.43
48)	T	1,1,2-Trichlor...	0.250	0.249	0.253	0.249	0.225	0.229	0.224	0.240	5.43
49)	T	1,3-Dichloropr...	0.432	0.464	0.475	0.465	0.425	0.428	0.417	0.444	5.27
50)	T	Tetrachloroethene	0.320	0.328	0.336	0.323	0.304	0.298	0.288	0.314	5.61
51)	T	2-Hexanone	0.150	0.170	0.177	0.182	0.175	0.183	0.178	0.174	6.35
52)	T	Dibromochlorom...	0.240	0.276	0.294	0.297	0.275	0.283	0.275	0.277	6.77
53)	T	1,2-Dibromoethane	0.219	0.243	0.258	0.253	0.237	0.243	0.240	0.242	5.18
54)	I	Chlorobenzene-d5	----------ISTD----------								
55)	TP	Chlorobenzene	1.187	1.224	1.218	1.157	1.084	1.078	1.066	1.145	5.96
56)	T	1,1,1,2-Tetrac...	0.408	0.434	0.453	0.427	0.400	0.397	0.393	0.416	5.42
57)	TC	Ethylbenzene	2.076	2.198	2.257	2.167	1.977	1.954	1.892	2.075	6.65
58)	T	m,p-Xylene	0.667	0.774	0.792	0.741	0.682	0.680	0.667	0.715	7.44
59)	T	o-Xylene	0.627	0.730	0.788	0.763	0.712	0.694	0.686	0.714	7.39
60)	T	Styrene	1.034	1.262	1.343	1.288	1.190	1.173	1.157	1.206	8.42
61)	TP	Bromoform	0.261	0.260	0.290	0.291	0.278	0.285	0.282	0.278	4.63
62)	T	Isopropylbenzene	1.713	1.980	2.226	2.140	1.968	1.986	1.915	1.990	8.23
63)	T	1,2,3-Trichlor...	0.171	0.156	0.154	0.146	0.135	0.137	0.134	0.148	9.27
64)	S	4-Bromofluorob...	0.758	0.676	0.692	0.658	0.619	0.617	0.607	0.661	8.06
65)	T	Bromobenzene	0.424	0.484	0.505	0.482	0.437	0.430	0.420	0.455	7.62
66)	TP	1,1,2,2-Tetrac...	0.528	0.476	0.502	0.487	0.443	0.449	0.431	0.474	7.38
67)	T	n-Propylbenzene	2.161	2.447	2.675	2.507	2.318	2.309	2.210	2.375	7.55
68)	T	2-Chlorotoluene	0.427	0.452	0.494	0.465	0.425	0.419	0.414	0.442	6.64
69)	T	4-Chlorotoluene	0.441	0.463	0.493	0.459	0.417	0.410	0.400	0.441	7.60
70)	T	1,3,5-Trimethy...	1.572	1.825	1.937	1.867	1.662	1.640	1.563	1.724	8.72
71)	T	tert-Butylbenzene	0.331	0.366	0.391	0.380	0.343	0.342	0.326	0.354	7.04
72)	T	1,2,4-Trimethy...	1.663	1.762	1.956	1.851	1.658	1.649	1.585	1.732	7.60
73)	T	sec-Butylbenzene	1.978	2.204	2.412	2.380	2.145	2.163	2.042	2.189	7.34
74)	T	p-Isopropyltol...	1.729	1.892	2.049	1.948	1.793	1.796	1.695	1.843	6.84
75)	I	1,4-Dichlorobenzen...	----------ISTD----------								
76)	T	1,3-Dichlorobe...	1.747	1.716	1.739	1.704	1.572	1.625	1.610	1.673	4.16
77)	T	1,4-Dichlorobe...	1.718	1.694	1.790	1.693	1.566	1.598	1.594	1.665	4.87
78)	T	n-Butylbenzene	3.270	3.449	3.748	3.681	3.370	3.528	3.309	3.479	5.26
79)	T	1,2-Dichlorobe...	1.631	1.645	1.646	1.569	1.425	1.439	1.425	1.540	6.92
80)	UN	Tetraethyllead								0.000	-1.00
81)	T	1,2-Dibromo-3-...	0.180	0.156	0.163	0.172	0.165	0.179	0.182	0.171	5.76
82)	T	1,2,4-Trichlor...	1.102	1.104	1.241	1.211	1.109	1.188	1.161	1.159	4.86
83)	T	1,2,3-Trichlor...	1.001	1.049	1.136	1.131	1.042	1.095	1.070	1.075	4.57
84)	T	Hexachlorobuta...	0.983	0.868	0.852	0.800	0.744	0.768	0.728	0.821	10.82

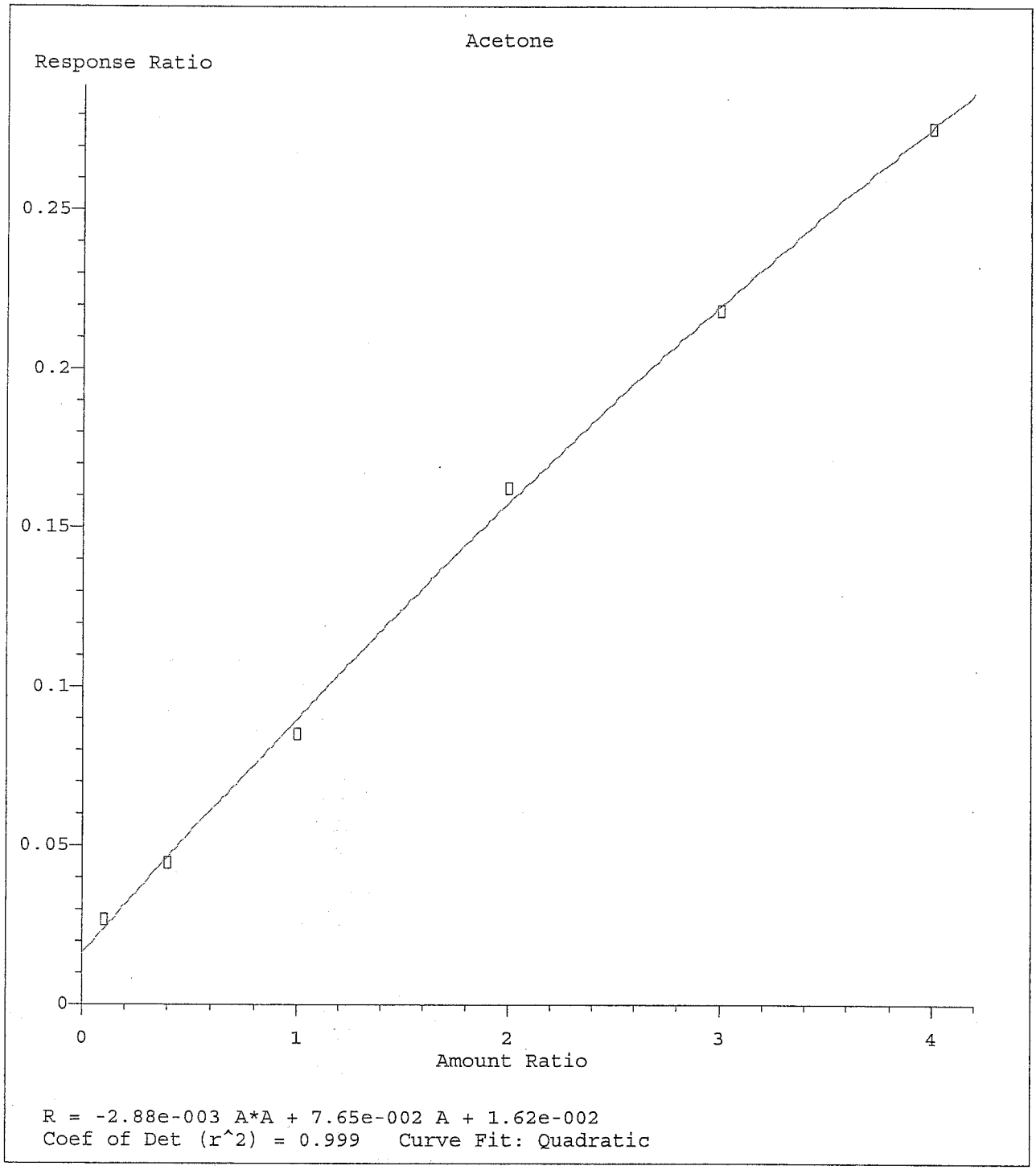
ECAL Summary Table

Method Path : C:\msdchem\1\METHODS\
Method File : 122911.M

85)	T	Naphthalene	1.978	2.007	2.321	2.354	2.228	2.359	2.363	2.230	7.58
86)	TM	Cyclohexane	1.678	1.470	1.398	1.296	1.205	1.334	1.330	1.387	10.99
87)	T	1,4-Dioxane			0.010	0.010	0.010	0.010	0.010	0.010	3.16
88)	T	tert-Butyl Ace...	0.470	0.546	0.580	0.580	0.551	0.571	0.581	0.554	7.17

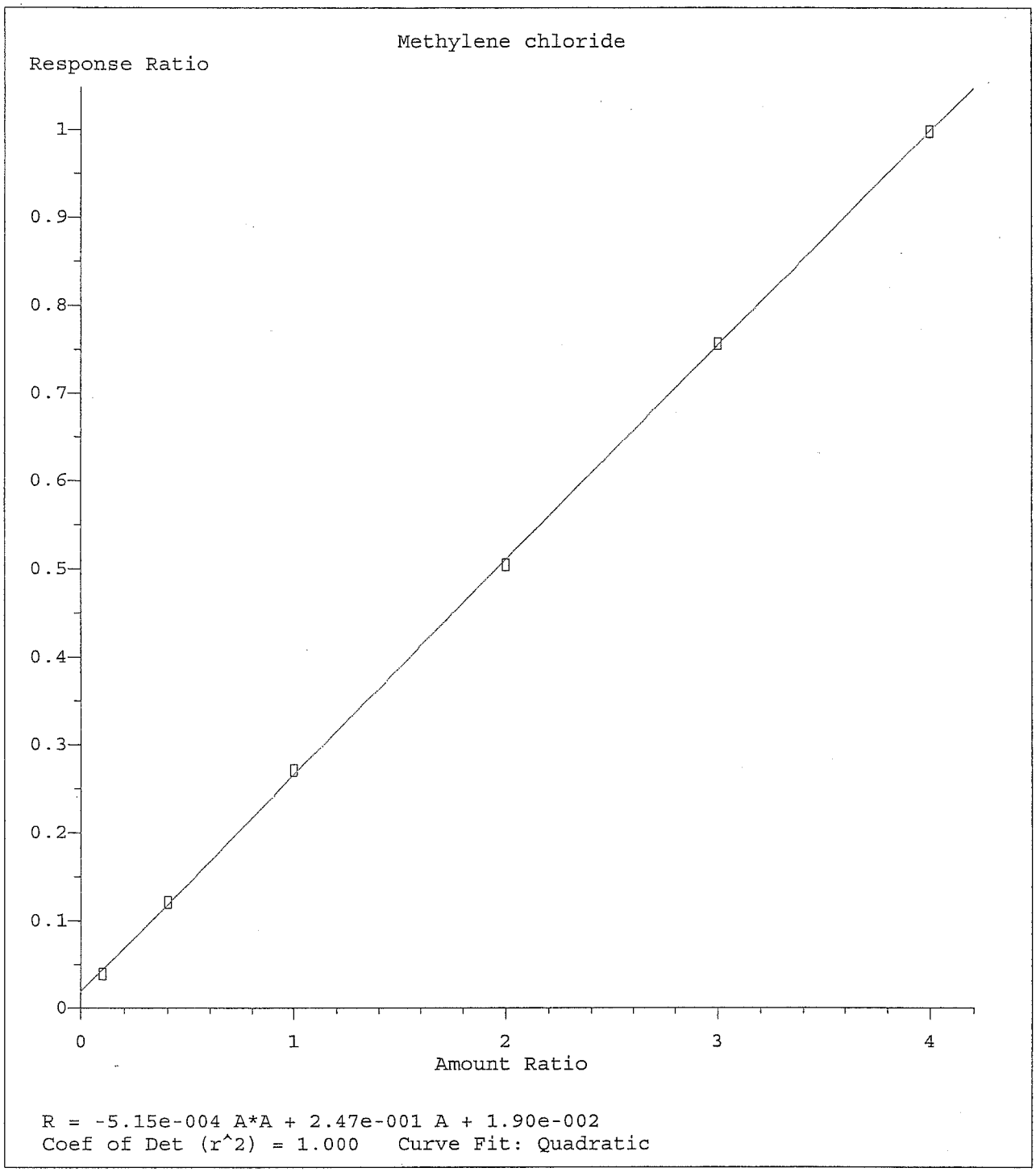
(#) = Out of Range

TCAC Summary Table



Method Name: C:\msdchem\1\METHODS\122911.M
Calibration Table Last Updated: Thu Dec 29 18:41:36 2011

12/29 am



Method Name: C:\msdchem\1\METHODS\122911.M
Calibration Table Last Updated: Thu Dec 29 18:41:36 2011

Data File: C:\msdchem\1\DATA\111229\V94538a.D
DataAcq Meth:8260RUN.M
Acq On : 29 Dec 2011 4:02 pm Operator: Bill Brew
Sample : 1ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 30 10:45:39 2011
Quant Method : C:\msdchem\1\METHODS\122911.M
Quant Title : 8260/624 Analysis
QLast Update : Thu Dec 29 18:41:36 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	5.075	96	245865	50.00	ug/L		0.00
54) Chlorobenzene-d5	8.021	117	166366	50.00	ug/L		0.00
75) 1,4-Dichlorobenzene-d4	10.561	152	89747	50.00	ug/L		0.00
System Monitoring Compounds							
26) Pentafluorobenzene	4.504	168	3699	1.44	ug/L		0.00
Spiked Amount 50.000	Range 89 - 116		Recovery = 2.88%#				
29) 1,2-Dichloroethane-d4	4.776	65	2503	1.40	ug/L		0.00
Spiked Amount 50.000	Range 66 - 106		Recovery = 2.80%#				
45) Toluene-D8	6.564	98	5924	1.15	ug/L		0.00
Spiked Amount 50.000	Range 87 - 107		Recovery = 2.30%#				
64) 4-Bromofluorobenzene	9.275	95	2521	1.15	ug/L		0.00
Spiked Amount 50.000	Range 84 - 97		Recovery = 2.30%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.456	85	1291	1.21	ug/L		93
3) Chloromethane	1.600	50	1499	1.10	ug/L		95
4) Vinyl chloride	1.675	62	1419	1.11	ug/L		96
5) Bromomethane	1.931	94	858	1.14	ug/L		92
6) Chloroethane	2.011	64	835	1.00	ug/L		85
7) Trichlorofluoromethane	2.214	101	2643	1.16	ug/L		94
8) Ethyl ether	2.433	59	802	0.84	ug/L		100
9) Freon 113	2.614	101	1510	1.15	ug/L		93
10) 1,1-Dichloroethene	2.625	61	2238	1.13	ug/L		87
11) Acetone	2.657	43	8986	13.45	ug/L		94
12) Carbon disulfide	2.807	76	3690	1.02	ug/L		99
13) Methyl acetate	2.924	43	1039	1.25	ug/L	#	93
15) Acrylonitrile	3.212	53	506	1.19	ug/L		99
16) tert-Butyl Alcohol	3.084	59	18173	121.94	ug/L	#	79
17) Methyl tert-butyl Ether	3.228	73	3646	1.01	ug/L		92
18) trans-1,2-Dichloroethene	3.233	61	2112	1.11	ug/L		83
19) 1,1-Dichloroethane	3.580	63	2716	1.05	ug/L		100
20) Vinyl acetate	3.618	43	2230	1.14	ug/L		90
21) 2,2-Dichloropropane	4.071	77	2673	1.11	ug/L		94
22) 2-Butanone	4.077	72	128	0.96	ug/L	#	1
23) cis-1,2-Dichloroethene	4.071	96	1560	1.08	ug/L	#	79
24) Bromochloromethane	4.269	128	574	1.03	ug/L	#	70
25) Chloroform	4.338	83	3054	1.09	ug/L		98
27) Tetrahydrofuran	4.317	42	800	1.25	ug/L		88
28) 1,1,1-Trichloroethane	4.509	97	2668	1.05	ug/L	#	76
30) Carbon Tetrachloride	4.658	117	2338	1.08	ug/L		98
31) Benzene	4.834	78	5925	1.05	ug/L		98
32) 1,2-Dichloroethane	4.845	62	2340	1.09	ug/L		94
33) Trichloroethene	5.411	130	1404	1.04	ug/L	#	80
34) Methylcyclohexane	5.587	83	2483	0.97	ug/L		84
36) 1,2-Dichloropropane	5.619	63	1545	1.00	ug/L	#	56
38) Dibromomethane	5.720	93	873	1.03	ug/L	#	79
39) Bromodichloromethane	5.870	83	1979	0.91	ug/L		92
40) 2-Chloroethyl vinyl Ether	6.153	63	463	0.58	ug/L	#	96
42) 1,1-Dichloropropene	4.648	75	2233	1.06	ug/L		91

12/30/11

Data File: C:\msdchem\1\DATA\111229\V94538a.D
DataAcq Meth:8260RUN.M
Acq On : 29 Dec 2011 4:02 pm Operator: Bill Brew
Sample : 1ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 3 Sample Multiplier: 1

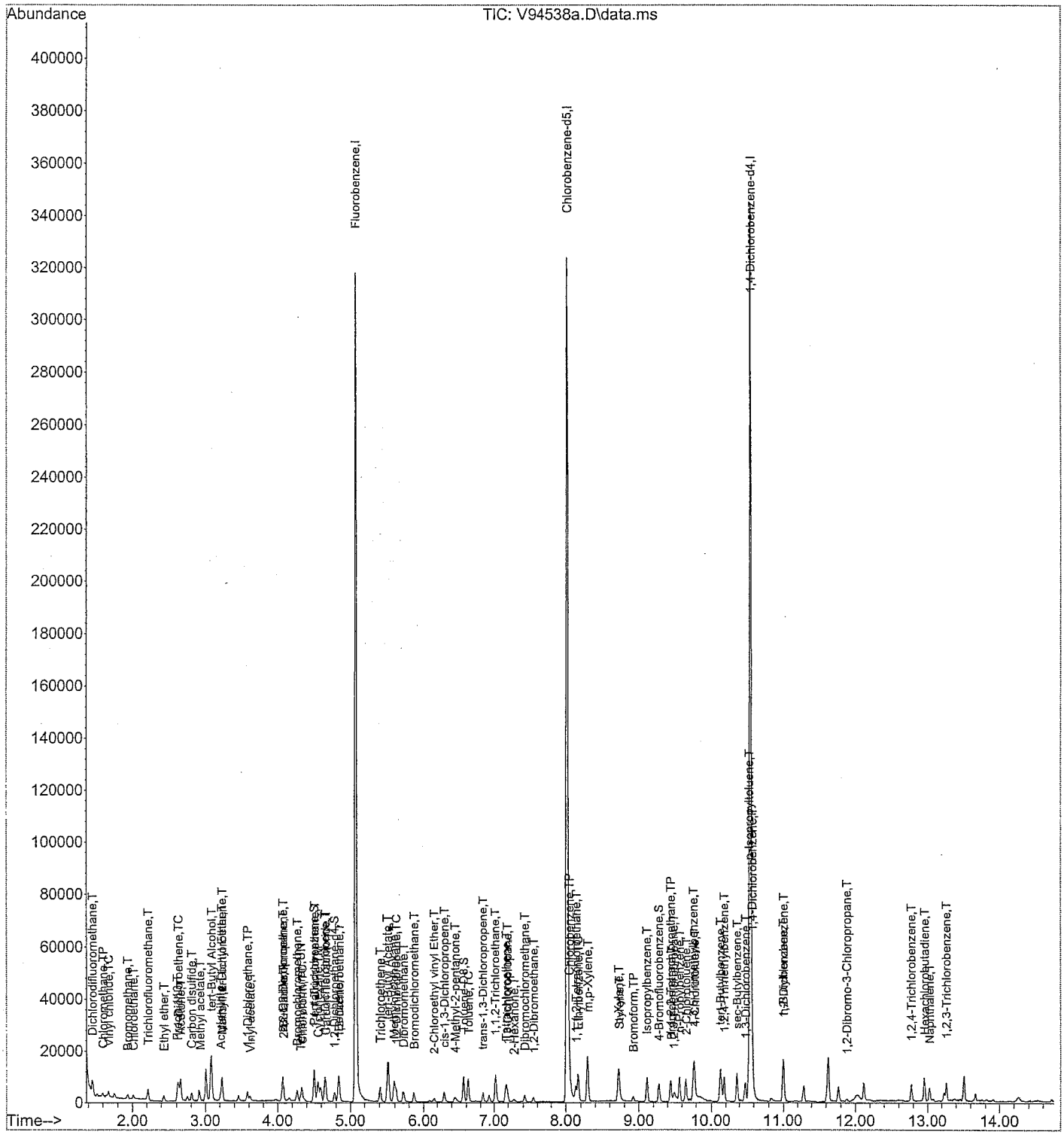
Quant Time: Dec 30 10:45:39 2011
Quant Method : C:\msdchem\1\METHODS\122911.M
Quant Title : 8260/624 Analysis
QLast Update : Thu Dec 29 18:41:36 2011
Response via : Initial Calibration
Integrator: RTE

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43)	cis-1,3-Dichloropropene	6.297	75	1973	0.83	ug/L		94
44)	4-Methyl-2-pentanone	6.446	58	481	0.94	ug/L	#	82
46)	Toluene	6.628	91	6334	1.04	ug/L		93
47)	trans-1,3-Dichloropropene	6.836	75	1874	0.83	ug/L		93
48)	1,1,2-Trichloroethane	7.017	97	1230	1.04	ug/L		92
49)	1,3-Dichloropropane	7.188	76	2124	0.97	ug/L		91
50)	Tetrachloroethene	7.172	166	1573	1.02	ug/L		89
51)	2-Hexanone	7.279	43	740	0.87	ug/L		92
52)	Dibromochloromethane	7.423	129	1181	0.87	ug/L		88
53)	1,2-Dibromoethane	7.546	107	1077	0.91	ug/L		86
55)	Chlorobenzene	8.047	112	3948	1.04	ug/L		88
56)	1,1,1,2-Tetrachloroethane	8.138	131	1358	0.98	ug/L	#	68
57)	Ethylbenzene	8.165	91	6909	1.00	ug/L		94
58)	m,p-Xylene	8.293	106	4439	1.87	ug/L	#	73
59)	o-Xylene	8.720	106	2087	0.88	ug/L	#	67
60)	Styrene	8.730	104	3439	0.86	ug/L		91
61)	Bromoform	8.922	173	868	0.94	ug/L		87
62)	Isopropylbenzene	9.109	105	5701	0.86	ug/L		99
63)	1,2,3-Trichloropropane	9.483	110	570	1.16	ug/L	#	63
65)	Bromobenzene	9.451	156	1411	0.93	ug/L	#	71
66)	1,1,2,2-Tetrachloroethane	9.440	83	1757	1.11	ug/L		87
67)	n-Propylbenzene	9.568	91	7192	0.91	ug/L		91
68)	2-Chlorotoluene	9.659	126	1420	0.97	ug/L	#	65
69)	4-Chlorotoluene	9.782	126	1466	1.00	ug/L	#	54
70)	1,3,5-Trimethylbenzene	9.760	105	5232	0.91	ug/L		88
71)	tert-Butylbenzene	10.123	134	1103	0.94	ug/L	#	77
72)	1,2,4-Trimethylbenzene	10.177	105	5532	0.96	ug/L		89
73)	sec-Butylbenzene	10.369	105	6583	0.90	ug/L		90
74)	p-Isopropyltoluene	10.540	119	5754	0.94	ug/L		88
76)	1,3-Dichlorobenzene	10.491	146	3135	1.04	ug/L		93
77)	1,4-Dichlorobenzene	10.582	146	3084	1.03	ug/L	#	49
78)	n-Butylbenzene	10.998	91	5869	0.94	ug/L		94
79)	1,2-Dichlorobenzene	11.004	146	2928	1.06	ug/L		94
81)	1,2-Dibromo-3-Chloropr...	11.884	157	323	1.05	ug/L	#	75
82)	1,2,4-Trichlorobenzene	12.770	180	1978	0.95	ug/L		98
83)	1,2,3-Trichlorobenzene	13.267	180	1797	0.93	ug/L		93
84)	Hexachlorobutadiene	12.957	225	1765	1.20	ug/L		98
85)	Naphthalene	13.026	128	3551	0.89	ug/L		95
86)	Cyclohexane	4.557	56	3012	1.21	ug/L	#	80
88)	tert-Butyl Acetate	5.502	57	4218	4.24	ug/L		92

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

Data File: C:\msdchem\1\DATA\111229\V94538a.D
DataAcq Meth:8260RUN.M
Acq On : 29 Dec 2011 4:02 pm Operator: Bill Brew
Sample : 1ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 30 10:45:39 2011
Quant Method : C:\msdchem\1\METHODS\122911.M
Quant Title : 8260/624 Analysis
QLast Update : Thu Dec 29 18:41:36 2011
Response via : Initial Calibration
Integrator: RTE



Data File: C:\msdchem\1\DATA\111229\V94539.D
DataAcq Meth:8260RUN.M
Acq On : 29 Dec 2011 4:25 pm Operator: Bill Brew
Sample : 5ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 30 10:46:36 2011
Quant Method : C:\msdchem\1\METHODS\122911.M
Quant Title : 8260/624 Analysis
QLast Update : Thu Dec 29 18:41:36 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	5.078	96	288962	50.00	ug/L		0.00
54) Chlorobenzene-d5	8.018	117	198648	50.00	ug/L		0.00
75) 1,4-Dichlorobenzene-d4	10.559	152	109515	50.00	ug/L		0.00
System Monitoring Compounds							
26) Pentafluorobenzene	4.507	168	16885	5.58	ug/L		0.00
Spiked Amount 50.000	Range 89 - 116		Recovery = 11.16%#				
29) 1,2-Dichloroethane-d4	4.774	65	11793	5.63	ug/L		0.00
Spiked Amount 50.000	Range 66 - 106		Recovery = 11.26%#				
45) Toluene-D8	6.561	98	30891	5.12	ug/L		0.00
Spiked Amount 50.000	Range 87 - 107		Recovery = 10.24%#				
64) 4-Bromofluorobenzene	9.278	95	13424	5.11	ug/L		0.00
Spiked Amount 50.000	Range 84 - 97		Recovery = 10.22%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.454	85	6989	5.58	ug/L		98
3) Chloromethane	1.598	50	8705	5.43	ug/L		100
4) Vinyl chloride	1.673	62	7904	5.25	ug/L		98
5) Bromomethane	1.934	94	4788	5.43	ug/L		98
6) Chloroethane	2.009	64	5326	5.44	ug/L		98
7) Trichlorofluoromethane	2.212	101	14492	5.39	ug/L		99
8) Ethyl ether	2.431	59	5664	5.05	ug/L		100
9) Freon 113	2.617	101	8314	5.39	ug/L		96
10) 1,1-Dichloroethene	2.623	61	12415	5.33	ug/L		88
11) Acetone	2.655	43	7749	6.99	ug/L		90
12) Carbon disulfide	2.810	76	21256	5.00	ug/L		98
13) Methyl acetate	2.916	43	5221	5.33	ug/L	#	96
14) Methylene chloride	3.007	84	11339	4.09	ug/L	#	85
15) Acrylonitrile	3.204	53	2615	5.25	ug/L		90
16) tert-Butyl Alcohol	3.082	59	92633	528.86	ug/L		94
17) Methyl tert-butyl Ether	3.226	73	21652	5.12	ug/L		100
18) trans-1,2-Dichloroethene	3.231	61	11902	5.32	ug/L		88
19) 1,1-Dichloroethane	3.578	63	16260	5.35	ug/L		99
20) Vinyl acetate	3.610	43	11190	4.87	ug/L		95
21) 2,2-Dichloropropane	4.069	77	15260	5.41	ug/L		89
22) 2-Butanone	4.074	72	852	5.45	ug/L	#	83
23) cis-1,2-Dichloroethene	4.064	96	8964	5.27	ug/L	#	85
24) Bromochloromethane	4.272	128	3614	5.50	ug/L	#	71
25) Chloroform	4.331	83	18325	5.54	ug/L		99
27) Tetrahydrofuran	4.320	42	3943	5.24	ug/L		96
28) 1,1,1-Trichloroethane	4.507	97	16209	5.42	ug/L		96
30) Carbon Tetrachloride	4.651	117	13645	5.37	ug/L		99
31) Benzene	4.832	78	35280	5.30	ug/L		94
32) 1,2-Dichloroethane	4.843	62	13609	5.40	ug/L		96
33) Trichloroethene	5.409	130	8206	5.19	ug/L	#	86
34) Methylcyclohexane	5.590	83	15760	5.22	ug/L		88
36) 1,2-Dichloropropane	5.617	63	9582	5.30	ug/L	#	71
38) Dibromomethane	5.729	93	5176	5.20	ug/L	#	85
39) Bromodichloromethane	5.868	83	13116	5.15	ug/L		97
40) 2-Chloroethyl vinyl Ether	6.150	63	4175	4.47	ug/L	#	92

12/30 m

Data File: C:\msdchem\1\DATA\111229\V94539.D
DataAcq Meth:8260RUN.M
Acq On : 29 Dec 2011 4:25 pm Operator: Bill Brew
Sample : 5ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 4 Sample Multiplier: 1

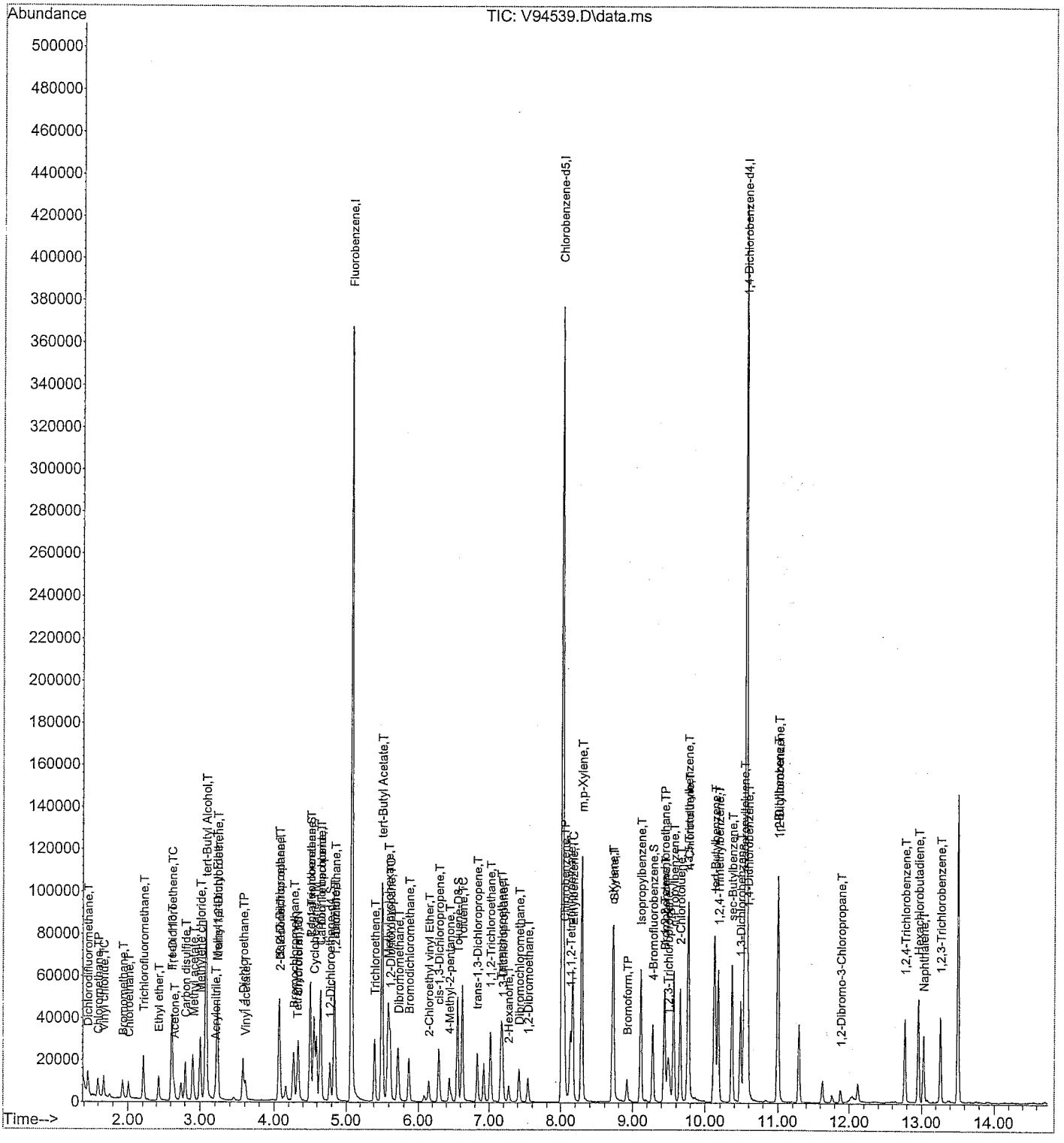
Quant Time: Dec 30 10:46:36 2011
Quant Method : C:\msdchem\1\METHODS\122911.M
Quant Title : 8260/624 Analysis
QLast Update : Thu Dec 29 18:41:36 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 1,1-Dichloropropene	4.651	75	13125	5.28	ug/L		92
43) cis-1,3-Dichloropropene	6.295	75	13605	4.86	ug/L		94
44) 4-Methyl-2-pentanone	6.444	58	2754	4.57	ug/L	#	81
46) Toluene	6.625	91	36529	5.12	ug/L		98
47) trans-1,3-Dichloropropene	6.834	75	12748	4.82	ug/L		94
48) 1,1,2-Trichloroethane	7.020	97	7208	5.20	ug/L		95
49) 1,3-Dichloropropane	7.191	76	13406	5.23	ug/L		97
50) Tetrachloroethene	7.170	166	9492	5.23	ug/L		99
51) 2-Hexanone	7.271	43	4905	4.89	ug/L		90
52) Dibromochloromethane	7.421	129	7965	4.97	ug/L		97
53) 1,2-Dibromoethane	7.543	107	7036	5.03	ug/L		96
55) Chlorobenzene	8.050	112	24317	5.35	ug/L	#	80
56) 1,1,1,2-Tetrachloroethane	8.136	131	8618	5.21	ug/L		98
57) Ethylbenzene	8.168	91	43664	5.30	ug/L		93
58) m,p-Xylene	8.290	106	30754	10.83	ug/L		87
59) o-Xylene	8.712	106	14501	5.11	ug/L	#	81
60) Styrene	8.728	104	25066	5.23	ug/L		93
61) Bromoform	8.926	173	5163	4.67	ug/L		99
62) Isopropylbenzene	9.112	105	39337	4.98	ug/L		95
63) 1,2,3-Trichloropropane	9.486	110	3090	5.27	ug/L		94
65) Bromobenzene	9.443	156	9618	5.33	ug/L	#	76
66) 1,1,2,2-Tetrachloroethane	9.438	83	9459	5.03	ug/L		98
67) n-Propylbenzene	9.566	91	48602	5.15	ug/L		92
68) 2-Chlorotoluene	9.657	126	8980	5.11	ug/L	#	59
69) 4-Chlorotoluene	9.774	126	9202	5.26	ug/L	#	53
70) 1,3,5-Trimethylbenzene	9.763	105	36259	5.29	ug/L		90
71) tert-Butylbenzene	10.126	134	7280	5.17	ug/L	#	79
72) 1,2,4-Trimethylbenzene	10.180	105	34999	5.09	ug/L		91
73) sec-Butylbenzene	10.366	105	43782	5.03	ug/L		92
74) p-Isopropyltoluene	10.532	119	37589	5.13	ug/L		92
76) 1,3-Dichlorobenzene	10.484	146	18789	5.13	ug/L		95
77) 1,4-Dichlorobenzene	10.585	146	18549	5.09	ug/L		92
78) n-Butylbenzene	10.996	91	37775	4.96	ug/L		94
79) 1,2-Dichlorobenzene	11.002	146	18016	5.34	ug/L		98
81) 1,2-Dibromo-3-Chloropr...	11.887	157	1712	4.57	ug/L	#	78
82) 1,2,4-Trichlorobenzene	12.773	180	12087	4.76	ug/L		99
83) 1,2,3-Trichlorobenzene	13.264	180	11489	4.88	ug/L		99
84) Hexachlorobutadiene	12.955	225	9501	5.29	ug/L		100
85) Naphthalene	13.024	128	21975	4.50	ug/L		98
86) Cyclohexane	4.560	56	16103	5.30	ug/L		87
88) tert-Butyl Acetate	5.505	57	29914	24.65	ug/L		96

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

Data File: C:\msdchem\1\DATA\111229\V94539.D
DataAcq Meth:8260RUN.M
Acq On : 29 Dec 2011 4:25 pm Operator: Bill Brew
Sample : 5ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 30 10:46:36 2011
Quant Method : C:\msdchem\1\METHODS\122911.M
Quant Title : 8260/624 Analysis
QLast Update : Thu Dec 29 18:41:36 2011
Response via : Initial Calibration
Integrator: RTE



Quantitation Report (Not Reviewed)

Data File: C:\msdchem\1\DATA\111229\V94540.D
DataAcq Meth:8260RUN.M
Acq On : 29 Dec 2011 4:48 pm Operator: Bill Brew
Sample : 20ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 30 10:46:44 2011
Quant Method : C:\msdchem\1\METHODS\122911.M
Quant Title : 8260/624 Analysis
QLast Update : Thu Dec 29 18:41:36 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	5.076	96	307751	50.00	ug/L		0.00
54) Chlorobenzene-d5	8.022	117	214052	50.00	ug/L		0.00
75) 1,4-Dichlorobenzene-d4	10.557	152	120641	50.00	ug/L		0.00
System Monitoring Compounds							
26) Pentafluorobenzene	4.505	168	69789	21.65	ug/L		0.00
Spiked Amount 50.000	Range 89 - 116		Recovery = 43.30%#				
29) 1,2-Dichloroethane-d4	4.777	65	48118	21.57	ug/L		0.00
Spiked Amount 50.000	Range 66 - 106		Recovery = 43.14%#				
45) Toluene-D8	6.560	98	135615	21.12	ug/L		0.00
Spiked Amount 50.000	Range 87 - 107		Recovery = 42.24%#				
64) 4-Bromofluorobenzene	9.276	95	59228	20.93	ug/L		0.00
Spiked Amount 50.000	Range 84 - 97		Recovery = 41.86%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.452	85	28253	21.18	ug/L		98
3) Chloromethane	1.596	50	35642	20.88	ug/L		99
4) Vinyl chloride	1.676	62	34119	21.28	ug/L		98
5) Bromomethane	1.933	94	19674	20.96	ug/L		97
6) Chloroethane	2.007	64	22314	21.42	ug/L		95
7) Trichlorofluoromethane	2.210	101	61322	21.42	ug/L		98
8) Ethyl ether	2.429	59	25988	21.76	ug/L		100
9) Freon 113	2.616	101	34657	21.08	ug/L		98
10) 1,1-Dichloroethene	2.621	61	51961	20.95	ug/L		87
11) Acetone	2.653	43	13723	18.84	ug/L		95
12) Carbon disulfide	2.808	76	93720	20.69	ug/L		99
13) Methyl acetate	2.920	43	21361	20.49	ug/L	#	93
14) Methylene chloride	3.005	84	37226	20.67	ug/L		90
15) Acrylonitrile	3.203	53	11136	20.99	ug/L		98
16) tert-Butyl Alcohol	3.080	59	393383	2108.79	ug/L		95
17) Methyl tert-butyl Ether	3.229	73	96793	21.48	ug/L		98
18) trans-1,2-Dichloroethene	3.229	61	51505	21.63	ug/L		86
19) 1,1-Dichloroethane	3.576	63	68214	21.06	ug/L		98
20) Vinyl acetate	3.614	43	48564	19.85	ug/L		96
21) 2,2-Dichloropropane	4.067	77	64081	21.33	ug/L		90
22) 2-Butanone	4.073	72	3492	20.99	ug/L	#	75
23) cis-1,2-Dichloroethene	4.067	96	38707	21.38	ug/L	#	85
24) Bromochloromethane	4.270	128	14610	20.90	ug/L	#	75
25) Chloroform	4.334	83	74927	21.29	ug/L		99
27) Tetrahydrofuran	4.318	42	16769	20.93	ug/L		92
28) 1,1,1-Trichloroethane	4.505	97	69167	21.74	ug/L		96
30) Carbon Tetrachloride	4.654	117	57847	21.38	ug/L		99
31) Benzene	4.836	78	153243	21.62	ug/L		96
32) 1,2-Dichloroethane	4.847	62	58444	21.77	ug/L		96
33) Trichloroethene	5.412	130	35067	20.83	ug/L	#	85
34) Methylcyclohexane	5.588	83	69013	21.45	ug/L		89
36) 1,2-Dichloropropane	5.615	63	41243	21.42	ug/L		90
38) Dibromomethane	5.722	93	22782	21.50	ug/L	#	86
39) Bromodichloromethane	5.866	83	58038	21.38	ug/L		98
40) 2-Chloroethyl vinyl Ether	6.154	63	20525	20.63	ug/L	#	91

12/30 pm

Data File: C:\msdchem\1\DATA\111229\V94540.D
DataAcq Meth:8260RUN.M
Acq On : 29 Dec 2011 4:48 pm Operator: Bill Brew
Sample : 20ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 5 Sample Multiplier: 1

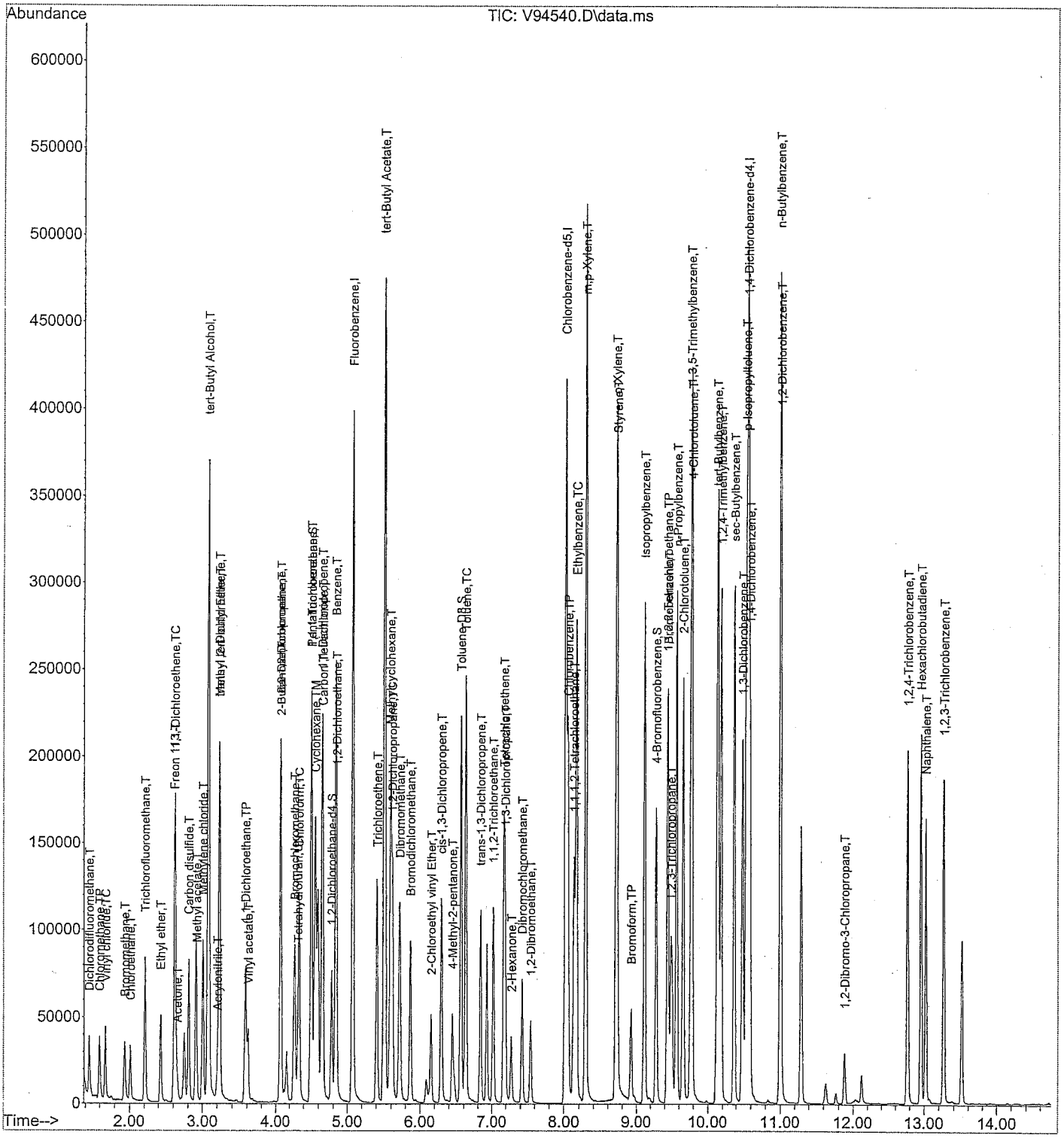
Quant Time: Dec 30 10:46:44 2011
Quant Method : C:\msdchem\1\METHODS\122911.M
Quant Title : 8260/624 Analysis
QLast Update : Thu Dec 29 18:41:36 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 1,1-Dichloropropene	4.649	75	56570	21.39	ug/L		92
43) cis-1,3-Dichloropropene	6.293	75	64579	21.65	ug/L		93
44) 4-Methyl-2-pentanone	6.442	58	13060	20.37	ug/L	#	90
46) Toluene	6.624	91	165409	21.76	ug/L		99
47) trans-1,3-Dichloropropene	6.837	75	60886	21.62	ug/L		96
48) 1,1,2-Trichloroethane	7.019	97	31083	21.06	ug/L		94
49) 1,3-Dichloropropane	7.189	76	58469	21.41	ug/L		98
50) Tetrachloroethene	7.173	166	41373	21.41	ug/L		97
51) 2-Hexanone	7.275	43	21837	20.44	ug/L		94
52) Dibromochloromethane	7.419	129	36224	21.23	ug/L		99
53) 1,2-Dibromoethane	7.542	107	31754	21.33	ug/L		99
55) Chlorobenzene	8.054	112	104275	21.28	ug/L		87
56) 1,1,1,2-Tetrachloroethane	8.134	131	38797	21.79	ug/L		98
57) Ethylbenzene	8.166	91	193287	21.76	ug/L		95
58) m,p-Xylene	8.289	106	135582	44.31	ug/L	#	83
59) o-Xylene	8.716	106	67429	22.05	ug/L	#	79
60) Styrene	8.726	104	114949	22.26	ug/L		93
61) Bromoform	8.924	173	24859	20.89	ug/L		99
62) Isopropylbenzene	9.111	105	190596	22.37	ug/L		94
63) 1,2,3-Trichloropropane	9.484	110	13218	20.91	ug/L		98
65) Bromobenzene	9.442	156	43205	22.20	ug/L	#	75
66) 1,1,2,2-Tetrachloroethane	9.436	83	42974	21.19	ug/L		98
67) n-Propylbenzene	9.564	91	229008	22.52	ug/L		92
68) 2-Chlorotoluene	9.655	126	42274	22.34	ug/L	#	63
69) 4-Chlorotoluene	9.778	126	42252	22.40	ug/L	#	56
70) 1,3,5-Trimethylbenzene	9.762	105	165831	22.47	ug/L		90
71) tert-Butylbenzene	10.119	134	33454	22.05	ug/L	#	72
72) 1,2,4-Trimethylbenzene	10.178	105	167478	22.59	ug/L		91
73) sec-Butylbenzene	10.370	105	206489	22.03	ug/L		92
74) p-Isopropyltoluene	10.536	119	175460	22.23	ug/L		92
76) 1,3-Dichlorobenzene	10.488	146	83910	20.78	ug/L		94
77) 1,4-Dichlorobenzene	10.584	146	86396	21.51	ug/L		97
78) n-Butylbenzene	10.995	91	180884	21.55	ug/L		95
79) 1,2-Dichlorobenzene	11.005	146	79445	21.38	ug/L		99
81) 1,2-Dibromo-3-Chloropr...	11.880	157	7863	19.05	ug/L	#	77
82) 1,2,4-Trichlorobenzene	12.772	180	59867	21.40	ug/L		99
83) 1,2,3-Trichlorobenzene	13.268	180	54812	21.14	ug/L		99
84) Hexachlorobutadiene	12.953	225	41129	20.77	ug/L		99
85) Naphthalene	13.023	128	111979	20.81	ug/L		99
86) Cyclohexane	4.558	56	67465	20.16	ug/L		88
88) tert-Butyl Acetate	5.508	57	139954	104.68	ug/L		97

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

Data File: C:\msdchem\1\DATA\111229\V94540.D
DataAcq Meth:8260RUN.M
Acq On : 29 Dec 2011 4:48 pm Operator: Bill Brew
Sample : 20ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 30 10:46:44 2011
Quant Method : C:\msdchem\1\METHODS\122911.M
Quant Title : 8260/624 Analysis
QLast Update : Thu Dec 29 18:41:36 2011
Response via : Initial Calibration
Integrator: RTE



Quantitation Report (Not Reviewed)

Data File: C:\msdchem\1\DATA\111229\V94541.D
DataAcq Meth:8260RUN.M
Acq On : 29 Dec 2011 5:11 pm Operator: Bill Brew
Sample : 50ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 30 10:46:52 2011
Quant Method : C:\msdchem\1\METHODS\122911.M
Quant Title : 8260/624 Analysis
QLast Update : Thu Dec 29 18:41:36 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	5.075	96	318450	50.00	ug/L		0.00
54) Chlorobenzene-d5	8.020	117	225359	50.00	ug/L		0.00
75) 1,4-Dichlorobenzene-d4	10.561	152	123854	50.00	ug/L		0.00
System Monitoring Compounds							
26) Pentafluorobenzene	4.509	168	170887	51.22	ug/L		0.00
Spiked Amount 50.000	Range 89 - 116		Recovery = 102.44%				
29) 1,2-Dichloroethane-d4	4.776	65	117389	50.86	ug/L		0.00
Spiked Amount 50.000	Range 66 - 106		Recovery = 101.72%				
45) Toluene-D8	6.558	98	339961	51.15	ug/L		0.00
Spiked Amount 50.000	Range 87 - 107		Recovery = 102.30%				
64) 4-Bromofluorobenzene	9.275	95	148201	49.75	ug/L		0.00
Spiked Amount 50.000	Range 84 - 97		Recovery = 99.50%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.451	85	66743	48.35	ug/L		99
3) Chloromethane	1.595	50	88281	49.97	ug/L		99
4) Vinyl chloride	1.675	62	84170	50.72	ug/L		98
5) Bromomethane	1.931	94	50227	51.70	ug/L		98
6) Chloroethane	2.006	64	56563	52.47	ug/L		98
7) Trichlorofluoromethane	2.209	101	147945	49.94	ug/L		99
8) Ethyl ether	2.433	59	64547	52.24	ug/L		100
9) Freon 113	2.620	101	82489	48.49	ug/L		96
10) 1,1-Dichloroethene	2.625	61	128704	50.15	ug/L		87
11) Acetone	2.652	43	27134	46.77	ug/L		96
12) Carbon disulfide	2.806	76	242216	51.68	ug/L		100
13) Methyl acetate	2.918	43	53090	49.22	ug/L	#	94
14) Methylene chloride	3.004	84	86179	51.08	ug/L		91
15) Acrylonitrile	3.201	53	25906	47.18	ug/L		98
16) tert-Butyl Alcohol	3.084	59	951618	4929.90	ug/L		94
17) Methyl tert-butyl Ether	3.228	73	243397	52.19	ug/L		98
18) trans-1,2-Dichloroethene	3.233	61	123442	50.11	ug/L		85
19) 1,1-Dichloroethane	3.580	63	168848	50.38	ug/L		98
20) Vinyl acetate	3.612	43	126688	50.04	ug/L		95
21) 2,2-Dichloropropane	4.071	77	160070	51.50	ug/L		90
22) 2-Butanone	4.071	72	9029	52.44	ug/L	#	87
23) cis-1,2-Dichloroethene	4.066	96	95483	50.96	ug/L	#	85
24) Bromochloromethane	4.274	128	36512	50.47	ug/L	#	69
25) Chloroform	4.338	83	191893	52.68	ug/L		98
27) Tetrahydrofuran	4.322	42	43181	52.08	ug/L		93
28) 1,1,1-Trichloroethane	4.509	97	171524	52.09	ug/L		96
30) Carbon Tetrachloride	4.653	117	143838	51.37	ug/L		99
31) Benzene	4.834	78	376030	51.28	ug/L		96
32) 1,2-Dichloroethane	4.845	62	143220	51.56	ug/L		97
33) Trichloroethene	5.411	130	90401	51.89	ug/L	#	87
34) Methylcyclohexane	5.592	83	172985	51.96	ug/L		88
36) 1,2-Dichloropropane	5.619	63	103586	51.98	ug/L		90
38) Dibromomethane	5.726	93	56726	51.74	ug/L	#	86
39) Bromodichloromethane	5.870	83	148910	53.01	ug/L		98
40) 2-Chloroethyl vinyl Ether	6.153	63	54579	53.02	ug/L	#	92

12/30 am

Data File: C:\msdchem\1\DATA\111229\V94541.D
DataAcq Meth:8260RUN.M
Acq On : 29 Dec 2011 5:11 pm Operator: Bill Brew
Sample : 50ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 6 Sample Multiplier: 1

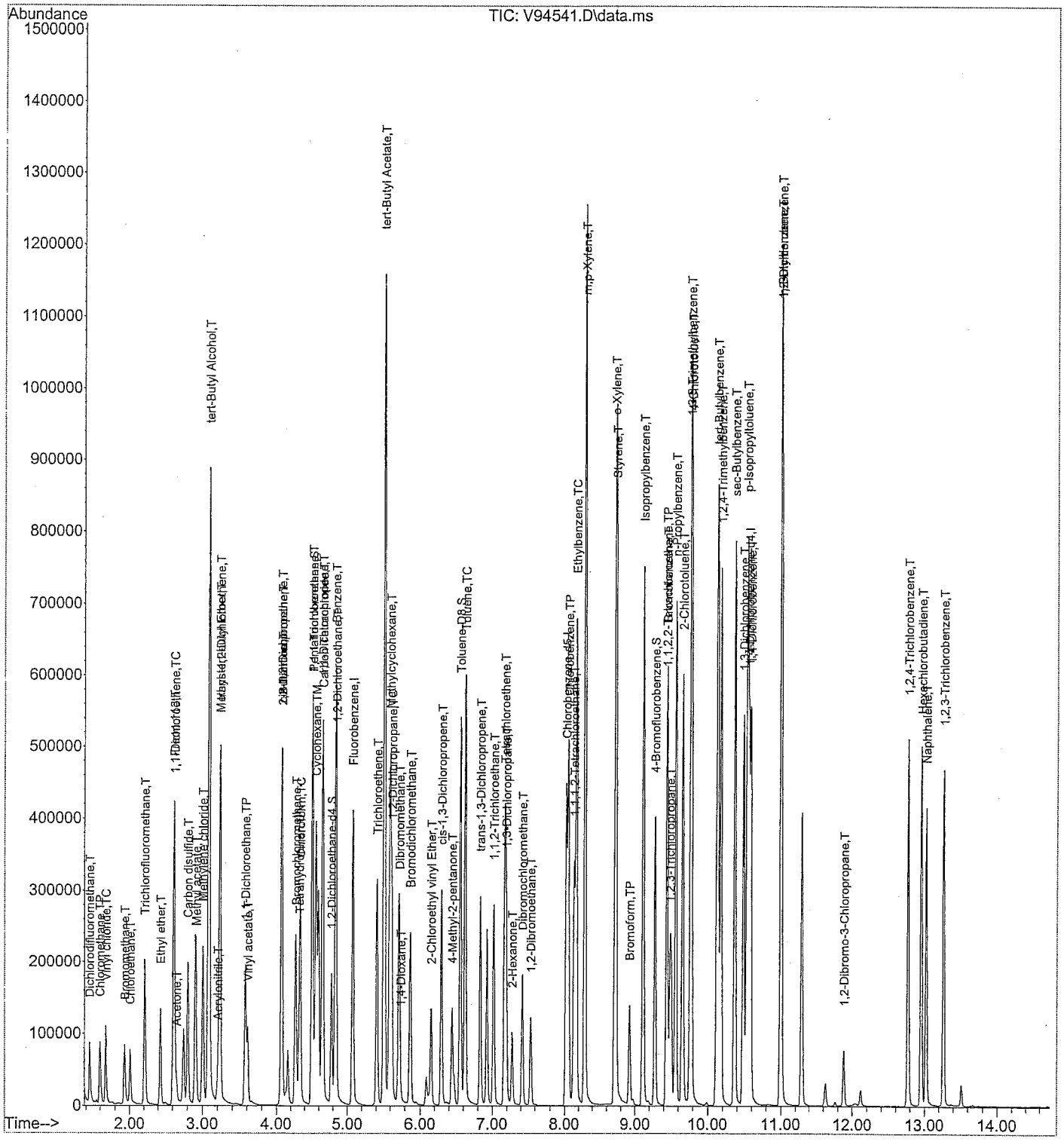
Quant Time: Dec 30 10:46:52 2011
Quant Method : C:\msdchem\1\METHODS\122911.M
Quant Title : 8260/624 Analysis
QLast Update : Thu Dec 29 18:41:36 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 1,1-Dichloropropene	4.648	75	139844	51.10	ug/L		92
43) cis-1,3-Dichloropropene	6.297	75	167801	54.36	ug/L		94
44) 4-Methyl-2-pentanone	6.446	58	35573	53.61	ug/L		94
46) Toluene	6.628	91	406861	51.73	ug/L		99
47) trans-1,3-Dichloropropene	6.836	75	157053	53.90	ug/L		96
48) 1,1,2-Trichloroethane	7.022	97	79180	51.83	ug/L		95
49) 1,3-Dichloropropane	7.193	76	148107	52.40	ug/L		98
50) Tetrachloroethene	7.172	166	102892	51.47	ug/L		97
51) 2-Hexanone	7.273	43	57864	52.35	ug/L		95
52) Dibromochloromethane	7.423	129	94728	53.66	ug/L		98
53) 1,2-Dibromoethane	7.540	107	80574	52.30	ug/L		99
55) Chlorobenzene	8.052	112	260752	50.54	ug/L		88
56) 1,1,1,2-Tetrachloroethane	8.133	131	96269	51.35	ug/L		99
57) Ethylbenzene	8.165	91	488271	52.22	ug/L		94
58) m,p-Xylene	8.293	106	334132	103.72	ug/L	#	84
59) o-Xylene	8.714	106	171867	53.39	ug/L	#	84
60) Styrene	8.730	104	290154	53.36	ug/L		94
61) Bromoform	8.922	173	65554	52.31	ug/L		99
62) Isopropylbenzene	9.114	105	482246	53.77	ug/L		94
63) 1,2,3-Trichloropropane	9.483	110	32953	49.51	ug/L	#	91
65) Bromobenzene	9.440	156	108622	53.02	ug/L	#	73
66) 1,1,2,2-Tetrachloroethane	9.435	83	109746	51.40	ug/L		98
67) n-Propylbenzene	9.563	91	564946	52.77	ug/L		93
68) 2-Chlorotoluene	9.659	126	104723	52.56	ug/L	#	61
69) 4-Chlorotoluene	9.776	126	103532	52.13	ug/L	#	55
70) 1,3,5-Trimethylbenzene	9.760	105	420775	54.15	ug/L		91
71) tert-Butylbenzene	10.123	134	85742	53.68	ug/L	#	73
72) 1,2,4-Trimethylbenzene	10.177	105	417145	53.44	ug/L		91
73) sec-Butylbenzene	10.369	105	536416	54.37	ug/L		92
74) p-Isopropyltoluene	10.534	119	438929	52.83	ug/L		92
76) 1,3-Dichlorobenzene	10.486	146	211102	50.93	ug/L		95
77) 1,4-Dichlorobenzene	10.587	146	209693	50.85	ug/L		98
78) n-Butylbenzene	10.998	91	455846	52.89	ug/L		95
79) 1,2-Dichlorobenzene	11.004	146	194339	50.94	ug/L		99
81) 1,2-Dibromo-3-Chloropr...	11.884	157	21242	50.13	ug/L	#	80
82) 1,2,4-Trichlorobenzene	12.770	180	150026	52.25	ug/L		99
83) 1,2,3-Trichlorobenzene	13.267	180	140060	52.61	ug/L		98
84) Hexachlorobutadiene	12.957	225	99141	48.77	ug/L		99
85) Naphthalene	13.021	128	291595	52.78	ug/L		99
86) Cyclohexane	4.557	56	160463	46.70	ug/L		91
87) 1,4-Dioxane	5.742	88	1278	51.45	ug/L		91
88) tert-Butyl Acetate	5.507	57	359022	261.57	ug/L		96

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

Data File: C:\msdchem\1\DATA\111229\V94541.D
DataAcq Meth:8260RUN.M
Acq On : 29 Dec 2011 5:11 pm Operator: Bill Brew
Sample : 50ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 30 10:46:52 2011
Quant Method : C:\msdchem\1\METHODS\122911.M
Quant Title : 8260/624 Analysis
QLast Update : Thu Dec 29 18:41:36 2011
Response via : Initial Calibration
Integrator: RTE



Data File: C:\msdchem\1\DATA\111229\V94542.D
DataAcq Meth:8260RUN.M
Acq On : 29 Dec 2011 5:34 pm Operator: Bill Brew
Sample : 100ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 30 10:47:01 2011
Quant Method : C:\msdchem\1\METHODS\122911.M
Quant Title : 8260/624 Analysis
QLast Update : Thu Dec 29 18:41:36 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	5.074	96	337093	50.00	ug/L		0.00
54) Chlorobenzene-d5	8.020	117	234628	50.00	ug/L		0.00
75) 1,4-Dichlorobenzene-d4	10.560	152	125574	50.00	ug/L		0.00
System Monitoring Compounds							
26) Pentafluorobenzene	4.503	168	323850	91.71	ug/L		0.00
Spiked Amount 50.000	Range 89 - 116		Recovery = 183.42%#				
29) 1,2-Dichloroethane-d4	4.775	65	227394	93.07	ug/L		0.00
Spiked Amount 50.000	Range 66 - 106		Recovery = 186.14%#				
45) Toluene-D8	6.563	98	645330	91.73	ug/L		0.00
Spiked Amount 50.000	Range 87 - 107		Recovery = 183.46%#				
64) 4-Bromofluorobenzene	9.279	95	290530	93.67	ug/L		0.00
Spiked Amount 50.000	Range 84 - 97		Recovery = 187.34%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.450	85	129628	88.72	ug/L		99
3) Chloromethane	1.594	50	171157	91.53	ug/L		99
4) Vinyl chloride	1.674	62	160404	91.32	ug/L		98
5) Bromomethane	1.925	94	97735	95.04	ug/L		97
6) Chloroethane	2.000	64	106450	93.29	ug/L		96
7) Trichlorofluoromethane	2.208	101	286616	91.40	ug/L		99
8) Ethyl ether	2.432	59	129893	99.30	ug/L		100
9) Freon 113	2.619	101	164284	91.24	ug/L		97
10) 1,1-Dichloroethene	2.619	61	251269	92.50	ug/L		87
11) Acetone	2.656	43	54738	103.68	ug/L		95
12) Carbon disulfide	2.806	76	483132	97.39	ug/L		99
13) Methyl acetate	2.918	43	102072	89.39	ug/L	#	96
14) Methylene chloride	3.003	84	170079	98.77	ug/L		95
15) Acrylonitrile	3.200	53	51902	89.30	ug/L		99
16) tert-Butyl Alcohol	3.088	59	1787342	8747.32	ug/L		96
17) Methyl tert-butyl Ether	3.227	73	469952	95.20	ug/L		98
18) trans-1,2-Dichloroethene	3.232	61	238438	91.43	ug/L		87
19) 1,1-Dichloroethane	3.579	63	335620	94.59	ug/L		98
20) Vinyl acetate	3.611	43	247878	92.49	ug/L		95
21) 2,2-Dichloropropane	4.070	77	304550	92.57	ug/L		91
22) 2-Butanone	4.076	72	17435	95.67	ug/L	#	90
23) cis-1,2-Dichloroethene	4.070	96	181680	91.60	ug/L	#	86
24) Bromochloromethane	4.268	128	71164	92.92	ug/L	#	77
25) Chloroform	4.337	83	363912	94.38	ug/L		99
27) Tetrahydrofuran	4.316	42	79683	90.79	ug/L		93
28) 1,1,1-Trichloroethane	4.508	97	323788	92.89	ug/L		96
30) Carbon Tetrachloride	4.652	117	274959	92.76	ug/L		100
31) Benzene	4.834	78	734693	94.64	ug/L		97
32) 1,2-Dichloroethane	4.844	62	271723	92.41	ug/L		97
33) Trichloroethene	5.410	130	174427	94.58	ug/L	#	86
34) Methylcyclohexane	5.591	83	335214	95.11	ug/L		89
36) 1,2-Dichloropropane	5.618	63	200482	95.04	ug/L		92
38) Dibromomethane	5.725	93	110269	95.01	ug/L	#	84
39) Bromodichloromethane	5.869	83	291390	98.00	ug/L		99
40) 2-Chloroethyl vinyl Ether	6.152	63	107286	98.45	ug/L	#	92

12/30 am

Data File: C:\msdchem\1\DATA\111229\V94542.D
DataAcq Meth:8260RUN.M
Acq On : 29 Dec 2011 5:34 pm Operator: Bill Brew
Sample : 100ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 7 Sample Multiplier: 1

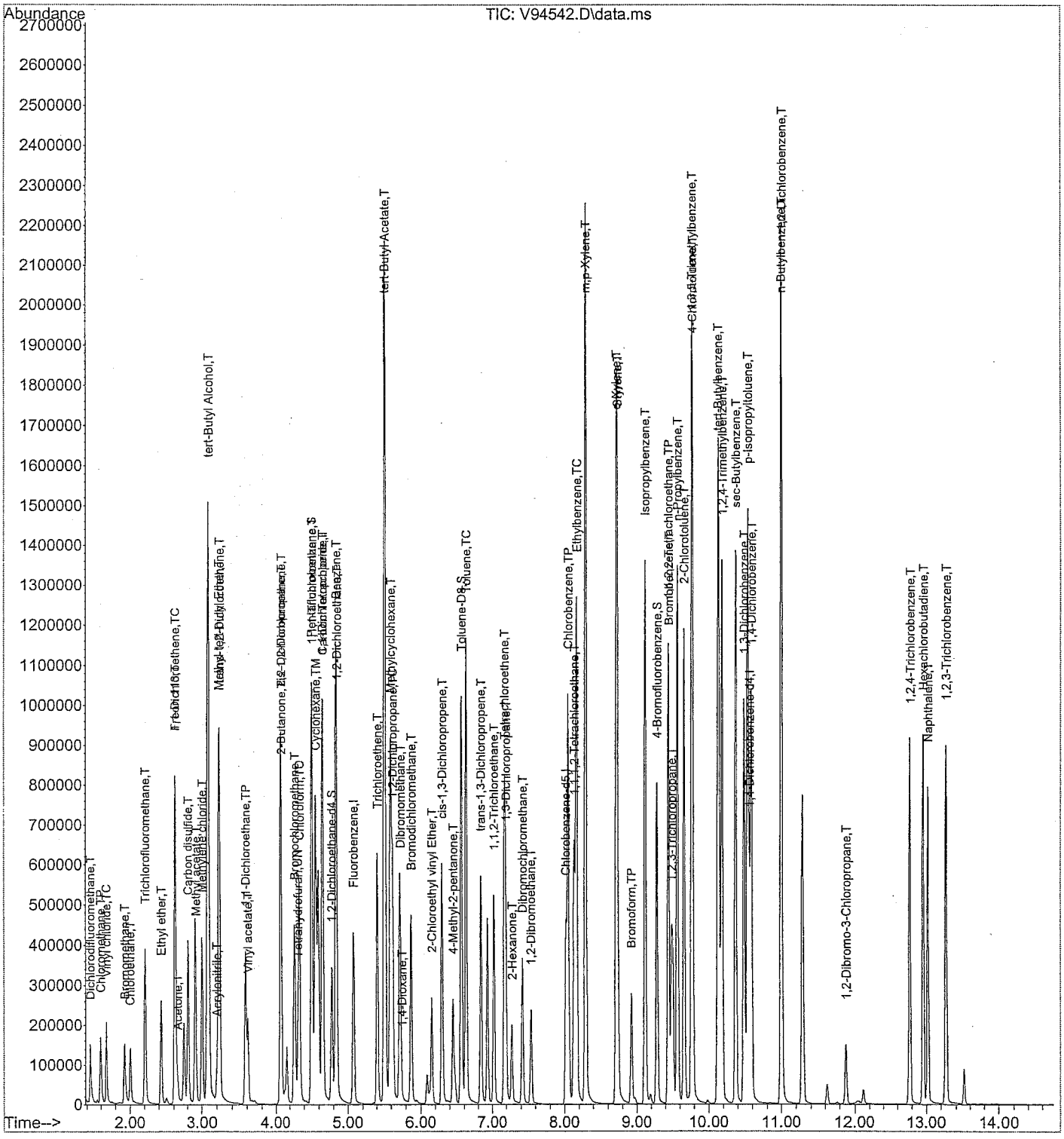
Quant Time: Dec 30 10:47:01 2011
Quant Method : C:\msdchem\1\METHODS\122911.M
Quant Title : 8260/624 Analysis
QLast Update : Thu Dec 29 18:41:36 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 1,1-Dichloropropene	4.647	75	271818	93.82	ug/L		91
43) cis-1,3-Dichloropropene	6.296	75	332570	101.77	ug/L		94
44) 4-Methyl-2-pentanone	6.445	58	69317	98.69	ug/L		94
46) Toluene	6.627	91	790461	94.95	ug/L		99
47) trans-1,3-Dichloropropene	6.835	75	311702	101.05	ug/L		96
48) 1,1,2-Trichloroethane	7.022	97	151915	93.95	ug/L		95
49) 1,3-Dichloropropane	7.192	76	286500	95.76	ug/L		97
50) Tetrachloroethene	7.171	166	204968	96.86	ug/L		97
51) 2-Hexanone	7.278	43	117941	100.81	ug/L		95
52) Dibromochloromethane	7.422	129	185368	99.20	ug/L		98
53) 1,2-Dibromoethane	7.539	107	159525	97.82	ug/L		100
55) Chlorobenzene	8.052	112	508685	94.69	ug/L		89
56) 1,1,1,2-Tetrachloroethane	8.137	131	187649	96.14	ug/L		100
57) Ethylbenzene	8.169	91	927532	95.28	ug/L		95
58) m,p-Xylene	8.292	106	640262	190.89	ug/L		89
59) o-Xylene	8.713	106	333928	99.64	ug/L	#	84
60) Styrene	8.729	104	558419	98.64	ug/L		94
61) Bromoform	8.922	173	130510	100.03	ug/L		99
62) Isopropylbenzene	9.114	105	923709	98.93	ug/L		95
63) 1,2,3-Trichloropropane	9.487	110	63213	91.22	ug/L		91
65) Bromobenzene	9.445	156	205198	96.21	ug/L	#	73
66) 1,1,2,2-Tetrachloroethane	9.439	83	207703	93.44	ug/L		99
67) n-Propylbenzene	9.567	91	1087509	97.57	ug/L		93
68) 2-Chlorotoluene	9.658	126	199205	96.03	ug/L	#	59
69) 4-Chlorotoluene	9.775	126	195724	94.65	ug/L	#	58
70) 1,3,5-Trimethylbenzene	9.765	105	779804	96.40	ug/L		92
71) tert-Butylbenzene	10.122	134	161065	96.85	ug/L	#	72
72) 1,2,4-Trimethylbenzene	10.181	105	778156	95.74	ug/L		92
73) sec-Butylbenzene	10.373	105	1006448	97.97	ug/L		92
74) p-Isopropyltoluene	10.539	119	841518	97.29	ug/L		93
76) 1,3-Dichlorobenzene	10.485	146	394732	93.93	ug/L		95
77) 1,4-Dichlorobenzene	10.587	146	393410	94.10	ug/L		99
78) n-Butylbenzene	10.998	91	846463	96.87	ug/L		96
79) 1,2-Dichlorobenzene	11.003	146	357946	92.54	ug/L		98
81) 1,2-Dibromo-3-Chloropr...	11.883	157	41523	96.66	ug/L	#	80
82) 1,2,4-Trichlorobenzene	12.775	180	278428	95.64	ug/L		99
83) 1,2,3-Trichlorobenzene	13.266	180	261691	96.95	ug/L		99
84) Hexachlorobutadiene	12.956	225	186979	90.73	ug/L		99
85) Naphthalene	13.020	128	559671	99.92	ug/L		99
86) Cyclohexane	4.556	56	302562	86.84	ug/L		94
87) 1,4-Dioxane	5.746	88	2395	95.10	ug/L	#	58
88) tert-Butyl Acetate	5.511	57	692027	497.29	ug/L		97

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

Data File: C:\msdchem\1\DATA\111229\V94542.D
DataAcq Meth:8260RUN.M
Acq On : 29 Dec 2011 5:34 pm Operator: Bill Brew
Sample : 100ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 30 10:47:01 2011
Quant Method : C:\msdchem\1\METHODS\122911.M
Quant Title : 8260/624 Analysis
QLast Update : Thu Dec 29 18:41:36 2011
Response via : Initial Calibration
Integrator: RTE



Data File: C:\msdchem\1\DATA\111229\V94543.D
DataAcq Meth:8260RUN.M
Acq On : 29 Dec 2011 5:57 pm Operator: Bill Brew
Sample : 150ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 30 10:47:09 2011
Quant Method : C:\msdchem\1\METHODS\122911.M
Quant Title : 8260/624 Analysis
QLast Update : Thu Dec 29 18:41:36 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	5.077	96	348147	50.00	ug/L		0.00
54) Chlorobenzene-d5	8.022	117	243806	50.00	ug/L		0.00
75) 1,4-Dichlorobenzene-d4	10.563	152	126576	50.00	ug/L		0.00
System Monitoring Compounds							
26) Pentafluorobenzene	4.505	168	527534	144.64	ug/L		0.00
Spiked Amount 50.000	Range 89 - 116		Recovery = 289.28%#				
29) 1,2-Dichloroethane-d4	4.778	65	354475	140.48	ug/L		0.00
Spiked Amount 50.000	Range 66 - 106		Recovery = 280.96%#				
45) Toluene-D8	6.560	98	1005828	138.44	ug/L		0.00
Spiked Amount 50.000	Range 87 - 107		Recovery = 276.88%#				
64) 4-Bromofluorobenzene	9.277	95	451531	140.10	ug/L		0.00
Spiked Amount 50.000	Range 84 - 97		Recovery = 280.20%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.453	85	203077	134.58	ug/L		99
3) Chloromethane	1.597	50	267570	138.54	ug/L		99
4) Vinyl chloride	1.677	62	254454	140.27	ug/L		100
5) Bromomethane	1.917	94	151767	142.90	ug/L		98
6) Chloroethane	2.003	64	167938	142.50	ug/L		98
7) Trichlorofluoromethane	2.205	101	448485	138.48	ug/L		99
8) Ethyl ether	2.429	59	209878	155.36	ug/L		100
9) Freon 113	2.616	101	263479	141.68	ug/L		98
10) 1,1-Dichloroethene	2.616	61	394790	140.71	ug/L		88
11) Acetone	2.654	43	76022	148.87	ug/L		95
12) Carbon disulfide	2.803	76	771323	150.55	ug/L		99
13) Methyl acetate	2.920	43	160146	135.80	ug/L	#	98
14) Methylene chloride	3.006	84	263384	150.36	ug/L		92
15) Acrylonitrile	3.203	53	85232	141.99	ug/L		99
16) tert-Butyl Alcohol	3.097	59	2923173	13851.89	ug/L		96
17) Methyl tert-butyl Ether	3.235	73	730740	143.32	ug/L		100
18) trans-1,2-Dichloroethene	3.230	61	377190	140.05	ug/L		87
19) 1,1-Dichloroethane	3.577	63	526159	143.59	ug/L		98
20) Vinyl acetate	3.609	43	412515	149.03	ug/L		95
21) 2,2-Dichloropropane	4.068	77	462452	136.10	ug/L		92
22) 2-Butanone	4.073	72	26356	140.03	ug/L	#	89
23) cis-1,2-Dichloroethene	4.068	96	288953	141.06	ug/L	#	87
24) Bromochloromethane	4.276	128	113693	143.74	ug/L	#	80
25) Chloroform	4.335	83	529880	133.07	ug/L		99
27) Tetrahydrofuran	4.319	42	118682	130.93	ug/L		96
28) 1,1,1-Trichloroethane	4.505	97	502603	139.62	ug/L		98
30) Carbon Tetrachloride	4.655	117	433173	141.50	ug/L		99
31) Benzene	4.831	78	1121756	139.92	ug/L		97
32) 1,2-Dichloroethane	4.847	62	415184	136.72	ug/L		97
33) Trichloroethene	5.407	130	275438	144.60	ug/L	#	87
34) Methylcyclohexane	5.594	83	544105	149.48	ug/L		90
36) 1,2-Dichloropropane	5.621	63	310095	142.34	ug/L		90
38) Dibromomethane	5.728	93	170244	142.04	ug/L	#	84
39) Bromodichloromethane	5.866	83	453525	147.69	ug/L		99
40) 2-Chloroethyl vinyl Ether	6.149	63	172788	153.53	ug/L	#	92

12/30 pm

Data File: C:\msdchem\1\DATA\111229\V94543.D
DataAcq Meth:8260RUN.M
Acq On : 29 Dec 2011 5:57 pm Operator: Bill Brew
Sample : 150ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 8 Sample Multiplier: 1

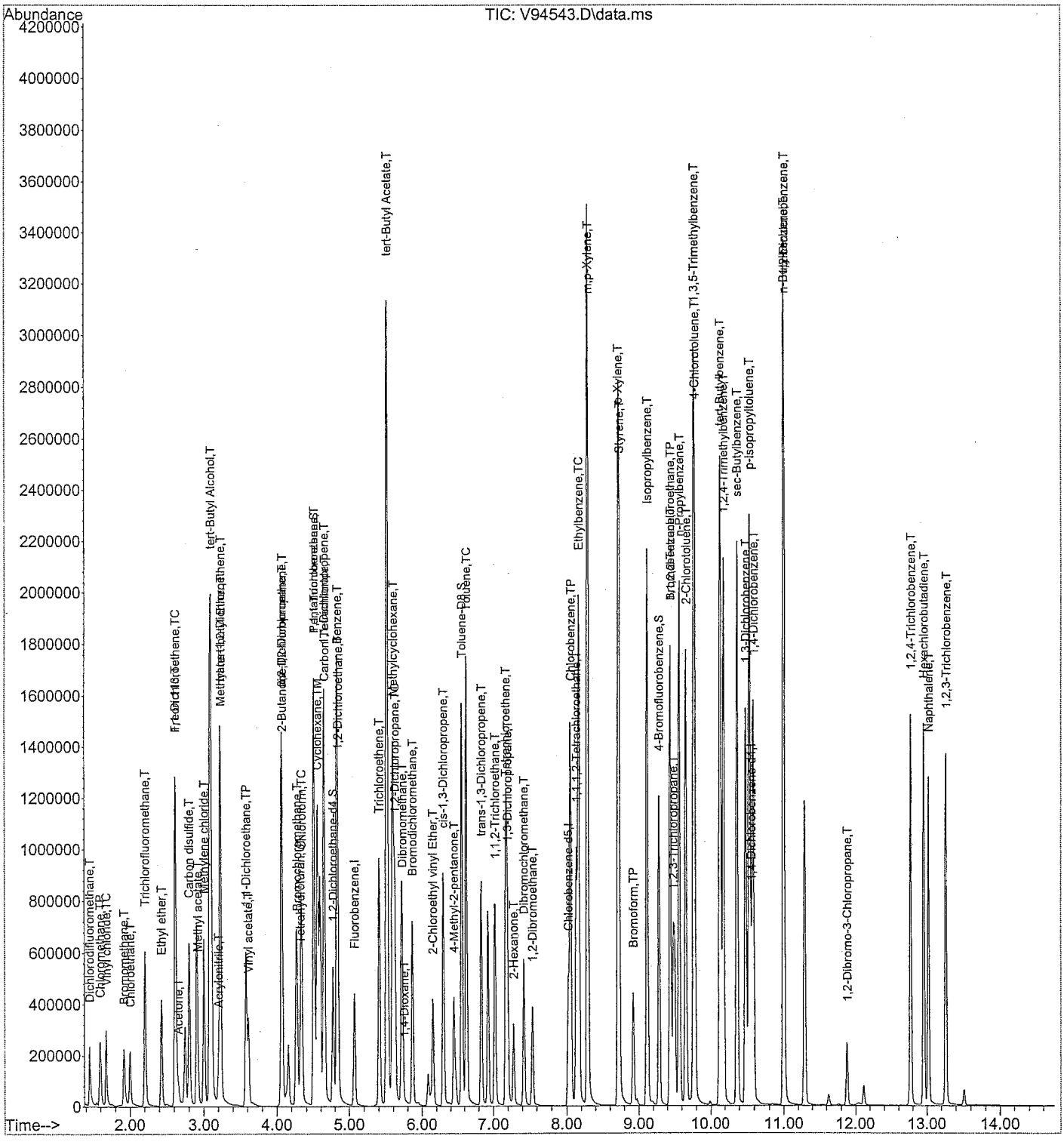
Quant Time: Dec 30 10:47:09 2011
Quant Method : C:\msdchem\1\METHODS\122911.M
Quant Title : 8260/624 Analysis
QLast Update : Thu Dec 29 18:41:36 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 1,1-Dichloropropene	4.650	75	428568	143.23	ug/L		91
43) cis-1,3-Dichloropropene	6.293	75	518530	153.64	ug/L		94
44) 4-Methyl-2-pentanone	6.448	58	113700	156.74	ug/L		92
46) Toluene	6.624	91	1220053	141.89	ug/L		98
47) trans-1,3-Dichloropropene	6.838	75	489717	153.72	ug/L		96
48) 1,1,2-Trichloroethane	7.024	97	238779	142.98	ug/L		94
49) 1,3-Dichloropropane	7.195	76	447467	144.82	ug/L		98
50) Tetrachloroethene	7.169	166	310815	142.21	ug/L		97
51) 2-Hexanone	7.275	43	190622	157.75	ug/L		96
52) Dibromochloromethane	7.419	129	295156	152.93	ug/L		100
53) 1,2-Dibromoethane	7.542	107	254185	150.91	ug/L		99
55) Chlorobenzene	8.054	112	788411	141.24	ug/L		88
56) 1,1,1,2-Tetrachloroethane	8.135	131	290113	143.04	ug/L		99
57) Ethylbenzene	8.167	91	1429550	141.32	ug/L		96
58) m,p-Xylene	8.295	106	994860	285.44	ug/L		89
59) o-Xylene	8.716	106	507649	145.77	ug/L	#	83
60) Styrene	8.732	104	857893	145.83	ug/L		94
61) Bromoform	8.924	173	208106	153.50	ug/L		99
62) Isopropylbenzene	9.117	105	1452319	149.69	ug/L		95
63) 1,2,3-Trichloropropane	9.485	110	100427	139.47	ug/L	#	90
65) Bromobenzene	9.442	156	314408	141.86	ug/L	#	71
66) 1,1,2,2-Tetrachloroethane	9.442	83	328368	142.17	ug/L		98
67) n-Propylbenzene	9.570	91	1688852	145.82	ug/L		93
68) 2-Chlorotoluene	9.661	126	306389	142.15	ug/L	#	58
69) 4-Chlorotoluene	9.778	126	300221	139.72	ug/L	#	58
70) 1,3,5-Trimethylbenzene	9.768	105	1199851	142.74	ug/L		93
71) tert-Butylbenzene	10.125	134	250115	144.74	ug/L	#	72
72) 1,2,4-Trimethylbenzene	10.179	105	1206087	142.81	ug/L		92
73) sec-Butylbenzene	10.371	105	1581932	148.20	ug/L		92
74) p-Isopropyltoluene	10.536	119	1313923	146.18	ug/L		93
76) 1,3-Dichlorobenzene	10.488	146	617175	145.70	ug/L		95
77) 1,4-Dichlorobenzene	10.589	146	606715	143.96	ug/L		99
78) n-Butylbenzene	11.000	91	1339585	152.09	ug/L		96
79) 1,2-Dichlorobenzene	11.006	146	546350	140.13	ug/L		98
81) 1,2-Dibromo-3-Chloropr...	11.886	157	68096	157.26	ug/L	#	80
82) 1,2,4-Trichlorobenzene	12.772	180	450963	153.67	ug/L		99
83) 1,2,3-Trichlorobenzene	13.269	180	415812	152.82	ug/L		99
84) Hexachlorobutadiene	12.954	225	291757	140.45	ug/L		99
85) Naphthalene	13.023	128	895926	158.69	ug/L		99
86) Cyclohexane	4.554	56	506501	144.23	ug/L		91
87) 1,4-Dioxane	5.749	88	3880	152.84	ug/L	#	66
88) tert-Butyl Acetate	5.514	57	1083180	772.21	ug/L		96

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

Data File: C:\msdchem\1\DATA\111229\V94543.D
DataAcq Meth:8260RUN.M
Acq On : 29 Dec 2011 5:57 pm Operator: Bill Brew
Sample : 150ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 30 10:47:09 2011
Quant Method : C:\msdchem\1\METHODS\122911.M
Quant Title : 8260/624 Analysis
QLast Update : Thu Dec 29 18:41:36 2011
Response via : Initial Calibration
Integrator: RTE



Quantitation Report (Not Reviewed)

Data File: C:\msdchem\1\DATA\111229\V94544.D
DataAcq Meth:8260RUN.M
Acq On : 29 Dec 2011 6:20 pm Operator: Bill Brew
Sample : 200ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 30 10:47:17 2011
Quant Method : C:\msdchem\1\METHODS\122911.M
Quant Title : 8260/624 Analysis
QLast Update : Thu Dec 29 18:41:36 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	5.076	96	377971	50.00	ug/L		0.00
54) Chlorobenzene-d5	8.022	117	259937	50.00	ug/L		0.00
75) 1,4-Dichlorobenzene-d4	10.562	152	130755	50.00	ug/L		0.00
System Monitoring Compounds							
26) Pentafluorobenzene	4.505	168	709851	179.27	ug/L		0.00
Spiked Amount 50.000	Range 89 - 116		Recovery = 358.54%#				
29) 1,2-Dichloroethane-d4	4.777	65	498988	182.15	ug/L		0.00
Spiked Amount 50.000	Range 66 - 106		Recovery = 364.30%#				
45) Toluene-D8	6.560	98	1422816	180.38	ug/L		0.00
Spiked Amount 50.000	Range 87 - 107		Recovery = 360.76%#				
64) 4-Bromofluorobenzene	9.281	95	631630	183.82	ug/L		0.00
Spiked Amount 50.000	Range 84 - 97		Recovery = 367.64%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.452	85	282434	172.40	ug/L		99
3) Chloromethane	1.596	50	391167	186.55	ug/L		99
4) Vinyl chloride	1.676	62	360754	183.17	ug/L		99
5) Bromomethane	1.911	94	180968	156.95	ug/L		99
6) Chloroethane	1.997	64	231436	180.89	ug/L		99
7) Trichlorofluoromethane	2.205	101	604251	171.85	ug/L		99
8) Ethyl ether	2.429	59	289655	197.49	ug/L		100
9) Freon 113	2.616	101	360273	178.44	ug/L		98
10) 1,1-Dichloroethene	2.616	61	542486	178.10	ug/L		89
11) Acetone	2.658	43	104271	199.87	ug/L		97
12) Carbon disulfide	2.802	76	1039670	186.91	ug/L		99
13) Methyl acetate	2.920	43	224722	175.52	ug/L	#	99
14) Methylene chloride	3.005	84	377274	200.03	ug/L		93
15) Acrylonitrile	3.203	53	120415	184.78	ug/L		99
16) tert-Butyl Alcohol	3.096	59	4052055	17686.17	ug/L		96
17) Methyl tert-butyl Ether	3.229	73	1039557	187.80	ug/L		99
18) trans-1,2-Dichloroethene	3.229	61	522197	178.59	ug/L		89
19) 1,1-Dichloroethane	3.576	63	730049	183.51	ug/L		99
20) Vinyl acetate	3.614	43	585248	194.74	ug/L		95
21) 2,2-Dichloropropane	4.073	77	645069	174.86	ug/L		92
22) 2-Butanone	4.078	72	39347	192.55	ug/L		99
23) cis-1,2-Dichloroethene	4.067	96	410531	184.59	ug/L		88
24) Bromochloromethane	4.270	128	159704	185.98	ug/L	#	81
25) Chloroform	4.334	83	740341	171.25	ug/L		98
27) Tetrahydrofuran	4.318	42	163975	166.63	ug/L		96
28) 1,1,1-Trichloroethane	4.505	97	685723	175.45	ug/L		98
30) Carbon Tetrachloride	4.654	117	583336	175.51	ug/L		99
31) Benzene	4.836	78	1579432	181.46	ug/L		98
32) 1,2-Dichloroethane	4.846	62	576046	174.72	ug/L		98
33) Trichloroethene	5.407	130	384351	185.86	ug/L	#	87
34) Methylcyclohexane	5.594	83	736225	186.30	ug/L		90
36) 1,2-Dichloropropane	5.620	63	438116	185.23	ug/L	#	70
38) Dibromomethane	5.727	93	239732	184.23	ug/L	#	84
39) Bromodichloromethane	5.866	83	643001	192.87	ug/L		99
40) 2-Chloroethyl vinyl Ether	6.154	63	245874	201.23	ug/L	#	92

12/30 am

Data File: C:\msdchem\1\DATA\111229\V94544.D
DataAcq Meth:8260RUN.M
Acq On : 29 Dec 2011 6:20 pm Operator: Bill Brew
Sample : 200ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 9 Sample Multiplier: 1

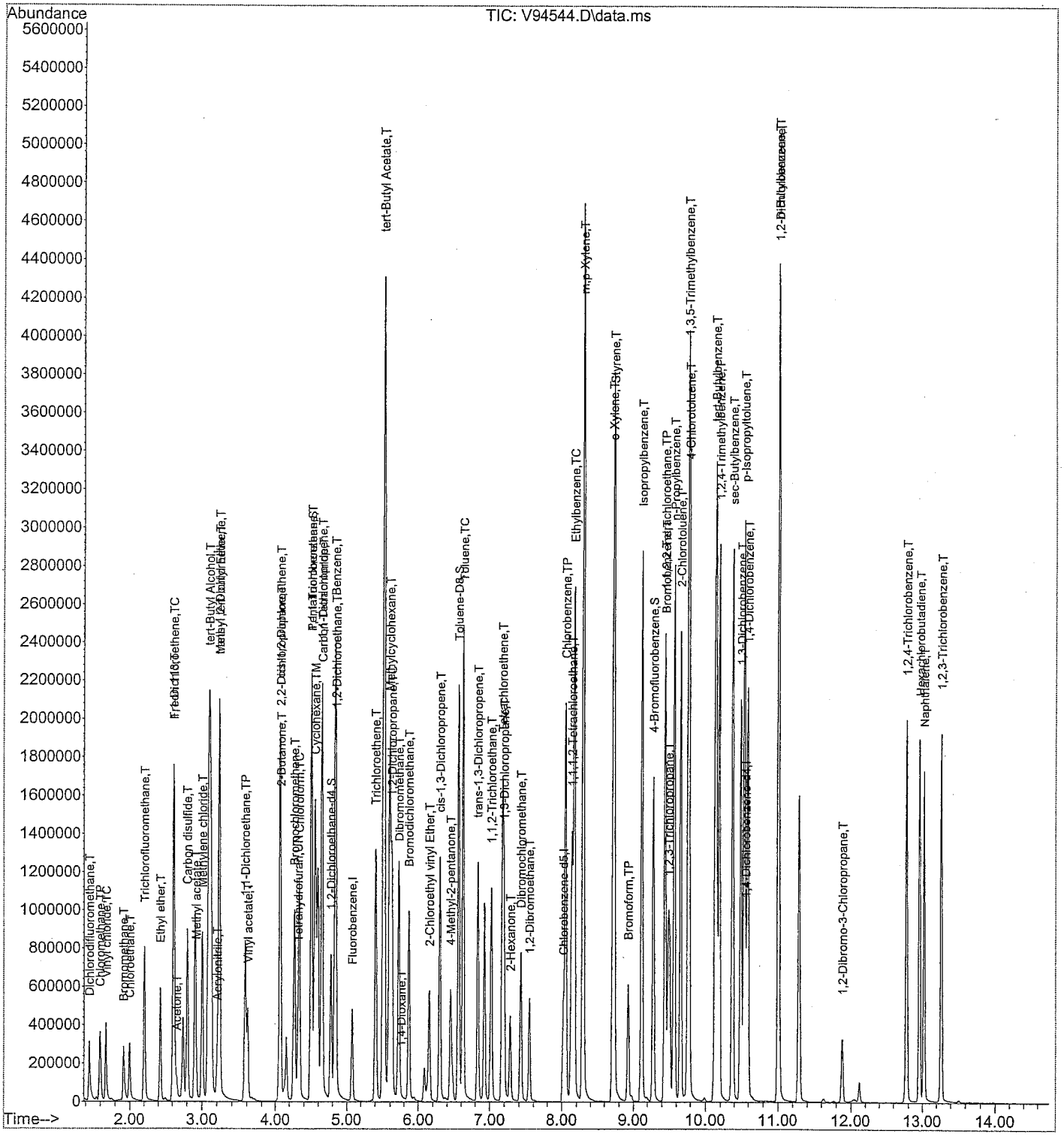
Quant Time: Dec 30 10:47:17 2011
Quant Method : C:\msdchem\1\METHODS\122911.M
Quant Title : 8260/624 Analysis
QLast Update : Thu Dec 29 18:41:36 2011
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 1,1-Dichloropropene	4.649	75	585929	180.37	ug/L		92
43) cis-1,3-Dichloropropene	6.298	75	724943	197.86	ug/L		94
44) 4-Methyl-2-pentanone	6.447	58	161260	204.76	ug/L		94
46) Toluene	6.629	91	1708493	183.02	ug/L		98
47) trans-1,3-Dichloropropene	6.837	75	697631	201.71	ug/L		96
48) 1,1,2-Trichloroethane	7.024	97	339002	186.98	ug/L		94
49) 1,3-Dichloropropane	7.195	76	630389	187.92	ug/L		98
50) Tetrachloroethene	7.173	166	435471	183.53	ug/L		98
51) 2-Hexanone	7.280	43	269113	205.14	ug/L		96
52) Dibromochloromethane	7.424	129	415972	198.53	ug/L		99
53) 1,2-Dibromoethane	7.542	107	362524	198.25	ug/L		99
55) Chlorobenzene	8.054	112	1108205	186.21	ug/L		89
56) 1,1,1,2-Tetrachloroethane	8.139	131	408501	188.91	ug/L		100
57) Ethylbenzene	8.171	91	1967716	182.44	ug/L		96
58) m,p-Xylene	8.294	106	1386825	373.21	ug/L		94
59) o-Xylene	8.716	106	714890	192.54	ug/L	#	87
60) Styrene	8.732	104	1202589	191.74	ug/L		94
61) Bromoform	8.924	173	292744	202.54	ug/L		99
62) Isopropylbenzene	9.116	105	1990818	192.46	ug/L		96
63) 1,2,3-Trichloropropane	9.489	110	139589	181.82	ug/L	#	86
65) Bromobenzene	9.447	156	436310	184.65	ug/L	#	72
66) 1,1,2,2-Tetrachloroethane	9.441	83	448264	182.03	ug/L		97
67) n-Propylbenzene	9.569	91	2297798	186.09	ug/L		93
68) 2-Chlorotoluene	9.660	126	430052	187.14	ug/L	#	62
69) 4-Chlorotoluene	9.783	126	416329	181.73	ug/L	#	62
70) 1,3,5-Trimethylbenzene	9.767	105	1625637	181.39	ug/L		93
71) tert-Butylbenzene	10.130	134	339396	184.21	ug/L	#	73
72) 1,2,4-Trimethylbenzene	10.183	105	1648115	183.04	ug/L		93
73) sec-Butylbenzene	10.375	105	2123055	186.55	ug/L		93
74) p-Isopropyltoluene	10.541	119	1762313	183.90	ug/L		93
76) 1,3-Dichlorobenzene	10.493	146	842123	192.46	ug/L		94
77) 1,4-Dichlorobenzene	10.589	146	833547	191.47	ug/L		99
78) n-Butylbenzene	11.000	91	1730620	190.21	ug/L		96
79) 1,2-Dichlorobenzene	11.005	146	745380	185.07	ug/L		98
81) 1,2-Dibromo-3-Chloropr...	11.886	157	95180	212.78	ug/L	#	82
82) 1,2,4-Trichlorobenzene	12.772	180	607049	200.25	ug/L		100
83) 1,2,3-Trichlorobenzene	13.268	180	559421	199.03	ug/L		99
84) Hexachlorobutadiene	12.958	225	380515	177.32	ug/L		99
85) Naphthalene	13.022	128	1236145	211.96	ug/L		99
86) Cyclohexane	4.558	56	695667	191.76	ug/L		93
87) 1,4-Dioxane	5.759	88	5174	197.30	ug/L	#	76
88) tert-Butyl Acetate	5.514	57	1519378	1048.56	ug/L		95

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

Data File: C:\msdchem\1\DATA\111229\V94544.D
DataAcq Meth:8260RUN.M
Acq On : 29 Dec 2011 6:20 pm Operator: Bill Brew
Sample : 200ppb mega Cal Inst : Instrument #1
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 30 10:47:17 2011
Quant Method : C:\msdchem\1\METHODS\122911.M
Quant Title : 8260/624 Analysis
QLast Update : Thu Dec 29 18:41:36 2011
Response via : Initial Calibration
Integrator: RTE



Evaluate Continuing Calibration Report

Data File: C:\msdchem\1\DATA\120124\V95051.D
DataAcq Meth:8260RUN.M
Acq On : 24 Jan 2012 12:27 pm Operator: Bill Brew
Sample : 50ppb mega CC Inst : Instrument #1
Misc : Soil
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 24 12:43:26 2012
Quant Method : C:\msdchem\1\METHODS\122911a.M
Quant Title : 8260/624 Analysis
QLast Update : Wed Jan 18 11:56:14 2012
Response via : Initial Calibration
Integrator: RTE

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	I	Fluorobenzene	1.000	1.000	0.0	99	0.00
2	T	Dichlorodifluoromethane	0.217	0.190	12.4	90	0.00
3	TP	Chloromethane	0.277	0.252	9.0	90	-0.01
4	TC	Vinyl chloride	0.261	0.242	7.3	91	0.00
5	T	Bromomethane	0.153	0.165	-7.8	104	0.00
6	T	Chloroethane	0.169	0.168	0.6	94	0.00
7	T	Trichlorofluoromethane	0.465	0.498	-7.1	106	0.00
8	T	Ethyl ether	0.194	0.186	4.1	91	-0.01
9	T	Freon 113	0.267	0.263	1.5	100	0.00
10	TC	1,1-Dichloroethene	0.403	0.403	0.0	99	0.00
11	T	Acetone	0.115	0.099	13.9	115	-0.01
12	T	Carbon disulfide	0.736	0.727	1.2	95	0.00
13	T	Methyl acetate	0.169	0.157	7.1	93	0.00
14	T	Methylene chloride	0.287	0.274	4.5	100	0.00
15	T	Acrylonitrile	0.086	0.077	10.5	94	-0.01
16	T	tert-Butyl Alcohol	0.030	0.025	16.7	84	-0.02
17	T	Methyl tert-butyl Ether	0.732	0.712	2.7	92	-0.01
18	T	trans-1,2-Dichloroethene	0.387	0.393	-1.6	100	0.00
19	TP	1,1-Dichloroethane	0.526	0.541	-2.9	101	0.00
20	T	Vinyl acetate	0.398	0.358	10.1	89	0.00
21	T	2,2-Dichloropropane	0.488	0.543	-11.3	107	0.00
22	T	2-Butanone	0.027	0.030	-11.1	105	0.00
23	T	cis-1,2-Dichloroethene	0.294	0.294	0.0	97	0.00
24	T	Bromochloromethane	0.114	0.121	-6.1	104	0.00
25	TC	Chloroform	0.572	0.599	-4.7	98	0.00
26	S	Pentafluorobenzene	0.524	0.535	-2.1	99	0.00
27	UN	Tetrahydrofuran	0.130	0.121	6.9	88	-0.01
28	T	1,1,1-Trichloroethane	0.517	0.548	-6.0	101	0.00
29	S	1,2-Dichloroethane-d4	0.362	0.380	-5.0	102	0.00
30	T	Carbon Tetrachloride	0.440	0.474	-7.7	104	0.00
31	T	Benzene	1.151	1.113	3.3	93	0.00
32	T	1,2-Dichloroethane	0.436	0.442	-1.4	97	0.00
33	T	Trichloroethene	0.274	0.264	3.6	92	0.00
34	T	Methylcyclohexane	0.523	0.525	-0.4	96	0.00
35	UN	Ethyl acetate	0.000	0.000	0.0	0#	0.00
36	TC	1,2-Dichloropropane	0.313	0.303	3.2	92	-0.01
37	UN	Isobutyl alcohol	0.000	0.000	0.0	0#	-0.07
38	T	Dibromomethane	0.172	0.168	2.3	93	0.00
39	T	Bromodichloromethane	0.441	0.450	-2.0	95	0.00
40	T	2-Chloroethyl vinyl Ether	0.162	0.005	96.9#	3#	0.00
41	UN	Isopropyl acetate	0.000	0.000	0.0	0#	0.00
42	T	1,1-Dichloropropene	0.430	0.435	-1.2	98	0.00
43	T	cis-1,3-Dichloropropene	0.485	0.488	-0.6	92	0.00
44	T	4-Methyl-2-pentanone	0.104	0.094	9.6	83	0.00
45	S	Toluene-D8	1.043	1.022	2.0	95	0.00
46	TC	Toluene	1.235	1.215	1.6	94	0.00
47	T	trans-1,3-Dichloropropene	0.458	0.469	-2.4	94	0.00

1/24 BB

Data File: C:\msdchem\1\DATA\120124\V95051.D
DataAcq Meth:8260RUN.M
Acq On : 24 Jan 2012 12:27 pm Operator: Bill Brew
Sample : 50ppb mega CC Inst : Instrument #1
Misc : Soil
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 24 12:43:26 2012
Quant Method : C:\msdchem\1\METHODS\122911a.M
Quant Title : 8260/624 Analysis
QLast Update : Wed Jan 18 11:56:14 2012
Response via : Initial Calibration
Integrator: RTE

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)
48	T	1,1,2-Trichloroethane	0.240	0.227	5.4	90	0.00
49	T	1,3-Dichloropropane	0.444	0.417	6.1	89	0.00
50	T	Tetrachloroethene	0.314	0.334	-6.4	102	0.00
51	T	2-Hexanone	0.174	0.175	-0.6	95	0.00
52	T	Dibromochloromethane	0.277	0.275	0.7	92	0.00
53	T	1,2-Dibromoethane	0.242	0.234	3.3	92	0.00
54	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
55	TP	Chlorobenzene	1.145	1.120	2.2	94	0.00
56	T	1,1,1,2-Tetrachloroethane	0.416	0.418	-0.5	95	0.00
57	TC	Ethylbenzene	2.075	2.090	-0.7	94	0.00
58	T	m,p-Xylene	0.715	0.730	-2.1	96	0.00
59	T	o-Xylene	0.714	0.742	-3.9	95	0.00
60	T	Styrene	1.206	1.249	-3.6	94	0.00
61	TP	Bromoform	0.278	0.280	-0.7	93	0.00
62	T	Isopropylbenzene	1.990	2.115	-6.3	96	0.00
63	T	1,2,3-Trichloropropane	0.148	0.136	8.1	90	0.00
64	S	4-Bromofluorobenzene	0.645	0.676	-4.8	100	0.00
65	T	Bromobenzene	0.455	0.468	-2.9	95	0.00
66	TP	1,1,2,2-Tetrachloroethane	0.474	0.439	7.4	88	0.00
67	T	n-Propylbenzene	2.375	2.567	-8.1	100	0.00
68	T	2-Chlorotoluene	0.442	0.457	-3.4	96	0.00
69	T	4-Chlorotoluene	0.441	0.448	-1.6	95	0.00
70	T	1,3,5-Trimethylbenzene	1.724	1.839	-6.7	96	0.00
71	T	tert-Butylbenzene	0.354	0.372	-5.1	95	0.00
72	T	1,2,4-Trimethylbenzene	1.732	1.821	-5.1	96	0.00
73	T	sec-Butylbenzene	2.189	2.351	-7.4	96	0.00
74	T	p-Isopropyltoluene	1.843	1.957	-6.2	98	0.00
75	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
76	T	1,3-Dichlorobenzene	1.673	1.627	2.7	95	0.00
77	T	1,4-Dichlorobenzene	1.665	1.604	3.7	94	0.00
78	T	n-Butylbenzene	3.479	3.564	-2.4	97	0.00
79	T	1,2-Dichlorobenzene	1.540	1.439	6.6	91	0.00
80	UN	Tetraethyllead	0.000	0.000	0.0	0#	0.19
81	T	1,2-Dibromo-3-Chloropropane	0.171	0.138	19.3	80	0.00
82	T	1,2,4-Trichlorobenzene	1.159	1.111	4.1	91	0.00
83	T	1,2,3-Trichlorobenzene	1.075	1.012	5.9	89	0.00
84	T	Hexachlorobutadiene	0.821	0.797	2.9	99	0.00
85	T	Naphthalene	2.230	1.911	14.3	81	0.00
86	TM	Cyclohexane	1.387	1.231	11.2	95	0.00
87	T	1,4-Dioxane	0.010	0.008	20.0	77	-0.01
88	T	tert-Butyl Acetate	0.554	0.540	2.5	93	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data File: C:\msdchem\1\DATA\120124\V95051.D
DataAcq Meth:8260RUN.M
Acq On : 24 Jan 2012 12:27 pm Operator: Bill Brew
Sample : 50ppb mega CC Inst : Instrument #1
Misc : Soil
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 24 12:43:26 2012
Quant Method : C:\msdchem\1\METHODS\122911a.M
Quant Title : 8260/624 Analysis
QLast Update : Wed Jan 18 11:56:14 2012
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.076	96	314969	50.00	ug/L	0.00
54) Chlorobenzene-d5	8.022	117	219252	50.00	ug/L	0.00
75) 1,4-Dichlorobenzene-d4	10.556	152	123526	50.00	ug/L	0.00
System Monitoring Compounds						
26) Pentafluorobenzene	4.505	168	168384	51.03	ug/L	0.00
Spiked Amount 50.000	Range 82 - 114		Recovery = 102.06%			
29) 1,2-Dichloroethane-d4	4.771	65	119536	52.36	ug/L	0.00
Spiked Amount 50.000	Range 69 - 116		Recovery = 104.72%			
45) Toluene-D8	6.559	98	321772	48.95	ug/L	0.00
Spiked Amount 50.000	Range 81 - 98		Recovery = 97.90%#			
64) 4-Bromofluorobenzene	9.276	95	148204	52.41	ug/L	0.00
Spiked Amount 50.000	Range 75 - 98		Recovery = 104.82%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.447	85	59849	43.84	ug/L	97
3) Chloromethane	1.585	50	79269	45.37	ug/L	99
4) Vinyl chloride	1.671	62	76183	46.42	ug/L	99
5) Bromomethane	1.922	94	52007	54.13	ug/L	98
6) Chloroethane	2.002	64	53069	49.77	ug/L	96
7) Trichlorofluoromethane	2.204	101	156973	53.57	ug/L	98
8) Ethyl ether	2.423	59	58570	47.92	ug/L	100
9) Freon 113	2.610	101	82707	49.16	ug/L	96
10) 1,1-Dichloroethene	2.615	61	126926	50.01	ug/L	84
11) Acetone	2.647	43	31201	59.41	ug/L	93
12) Carbon disulfide	2.802	76	229030	49.41	ug/L	99
13) Methyl acetate	2.914	43	49490	46.39	ug/L #	95
14) Methylene chloride	3.000	84	86295	51.76	ug/L	89
15) Acrylonitrile	3.197	53	24245	44.65	ug/L	99
16) tert-Butyl Alcohol	3.080	59	802508	4203.38	ug/L	94
17) Methyl tert-butyl Ether	3.224	73	224229	48.61	ug/L	98
18) trans-1,2-Dichloroethene	3.224	61	123684	50.76	ug/L	84
19) 1,1-Dichloroethane	3.576	63	170425	51.41	ug/L	98
20) Vinyl acetate	3.608	43	112875	45.07	ug/L	96
21) 2,2-Dichloropropane	4.067	77	170909	55.60	ug/L	88
22) 2-Butanone	4.072	72	9403	55.22	ug/L #	79
23) cis-1,2-Dichloroethene	4.062	96	92549	49.94	ug/L #	82
24) Bromochloromethane	4.270	128	38028	53.14	ug/L #	71
25) Chloroform	4.334	83	188656	52.37	ug/L	100
27) Tetrahydrofuran	4.312	42	37958	46.29	ug/L	95
28) 1,1,1-Trichloroethane	4.505	97	172674	53.02	ug/L	95
30) Carbon Tetrachloride	4.649	117	149350	53.92	ug/L	99
31) Benzene	4.830	78	350677	48.35	ug/L	97
32) 1,2-Dichloroethane	4.841	62	139112	50.64	ug/L	97
33) Trichloroethene	5.406	130	83228	48.30	ug/L #	85
34) Methylcyclohexane	5.588	83	165445	50.24	ug/L	89
36) 1,2-Dichloropropane	5.615	63	95283	48.34	ug/L #	88
38) Dibromomethane	5.721	93	52945	48.83	ug/L #	84
39) Bromodichloromethane	5.865	83	141627	50.98	ug/L	98
40) 2-Chloroethyl vinyl Ether	6.148	63	1672	1.64	ug/L #	88

1/24/13

Data File: C:\msdchem\1\DATA\120124\V95051.D
DataAcq Meth:8260RUN.M
Acq On : 24 Jan 2012 12:27 pm Operator: Bill Brew
Sample : 50ppb mega CC Inst : Instrument #1
Misc : Soil
ALS Vial : 3 Sample Multiplier: 1

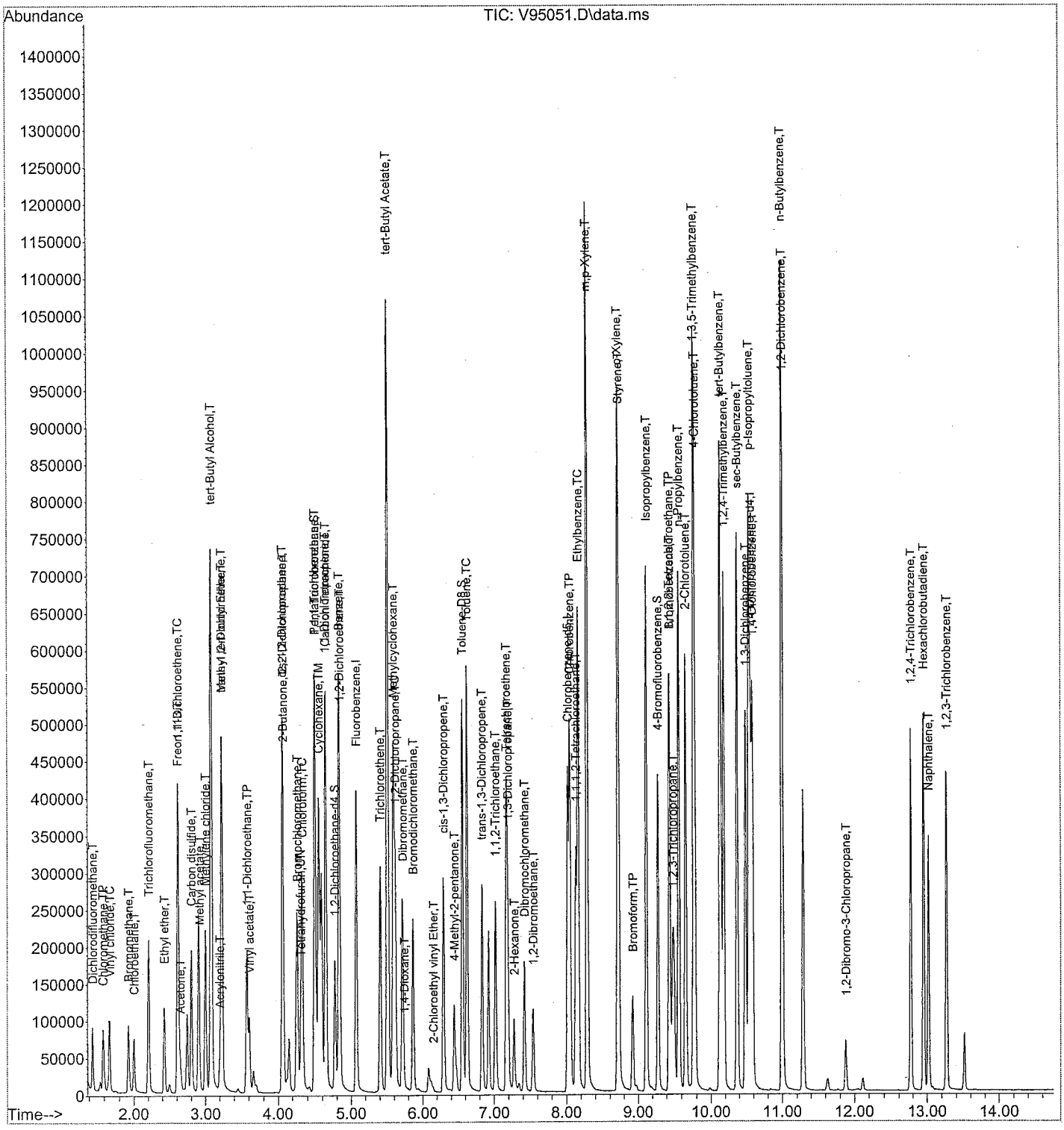
Quant Time: Jan 24 12:43:26 2012
Quant Method : C:\msdchem\1\METHODS\122911a.M
Quant Title : 8260/624 Analysis
QLast Update : Wed Jan 18 11:56:14 2012
Response via : Initial Calibration
Integrator: RTE

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42)	1,1-Dichloropropene	4.643	75	137041	50.62	ug/L		91
43)	cis-1,3-Dichloropropene	6.292	75	153856	50.39	ug/L		92
44)	4-Methyl-2-pentanone	6.442	58	29655	45.19	ug/L	#	90
46)	Toluene	6.623	91	382758	49.20	ug/L		99
47)	trans-1,3-Dichloropropene	6.831	75	147868	51.30	ug/L		95
48)	1,1,2-Trichloroethane	7.018	97	71525	47.34	ug/L		94
49)	1,3-Dichloropropane	7.189	76	131298	46.97	ug/L		99
50)	Tetrachloroethene	7.168	166	105231	53.22	ug/L		97
51)	2-Hexanone	7.274	43	55141	50.44	ug/L		95
52)	Dibromochloromethane	7.418	129	86728	49.67	ug/L		99
53)	1,2-Dibromoethane	7.541	107	73846	48.46	ug/L		99
55)	Chlorobenzene	8.048	112	245585	48.92	ug/L		87
56)	1,1,1,2-Tetrachloroethane	8.134	131	91540	50.19	ug/L		99
57)	Ethylbenzene	8.166	91	458344	50.38	ug/L		95
58)	m,p-Xylene	8.288	106	319981	102.09	ug/L	#	84
59)	o-Xylene	8.715	106	162587	51.91	ug/L	#	80
60)	Styrene	8.726	104	273833	51.76	ug/L		93
61)	Bromoform	8.923	173	61284	50.27	ug/L		99
62)	Isopropylbenzene	9.116	105	463748	53.15	ug/L		95
63)	1,2,3-Trichloropropane	9.484	110	29808	46.03	ug/L		94
65)	Bromobenzene	9.441	156	102661	51.51	ug/L	#	75
66)	1,1,2,2-Tetrachloroethane	9.436	83	96187	46.31	ug/L		99
67)	n-Propylbenzene	9.564	91	562789	54.04	ug/L		92
68)	2-Chlorotoluene	9.655	126	100269	51.73	ug/L	#	60
69)	4-Chlorotoluene	9.777	126	98137	50.79	ug/L	#	51
70)	1,3,5-Trimethylbenzene	9.761	105	403209	53.34	ug/L		92
71)	tert-Butylbenzene	10.124	134	81592	52.50	ug/L	#	69
72)	1,2,4-Trimethylbenzene	10.178	105	399157	52.56	ug/L		92
73)	sec-Butylbenzene	10.370	105	515355	53.69	ug/L		92
74)	p-Isopropyltoluene	10.535	119	429044	53.08	ug/L		92
76)	1,3-Dichlorobenzene	10.487	146	200926	48.61	ug/L		94
77)	1,4-Dichlorobenzene	10.583	146	198133	48.17	ug/L		98
78)	n-Butylbenzene	10.994	91	440258	51.22	ug/L		94
79)	1,2-Dichlorobenzene	11.005	146	177709	46.71	ug/L		98
81)	1,2-Dibromo-3-Chloropr...	11.880	157	16991	40.21	ug/L	#	76
82)	1,2,4-Trichlorobenzene	12.771	180	137194	47.91	ug/L		99
83)	1,2,3-Trichlorobenzene	13.268	180	124994	47.07	ug/L		98
84)	Hexachlorobutadiene	12.953	225	98495	48.59	ug/L		99
85)	Naphthalene	13.022	128	236084	42.85	ug/L		99
86)	Cyclohexane	4.553	56	152062	44.37	ug/L		93
87)	1,4-Dioxane	5.743	88	984	39.72	ug/L	#	11
88)	tert-Butyl Acetate	5.508	57	333570	243.68	ug/L		97

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

Data File: C:\msdchem\1\DATA\120124\V95051.D
DataAcq Meth:8260RUN.M
Acq On : 24 Jan 2012 12:27 pm Operator: Bill Brew
Sample : 50ppb mega CC Inst : Instrument #1
Misc : Soil
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 24 12:43:26 2012
Quant Method : C:\msdchem\1\METHODS\122911a.M
Quant Title : 8260/624 Analysis
QLast Update : Wed Jan 18 11:56:14 2012
Response via : Initial Calibration
Integrator: RTE



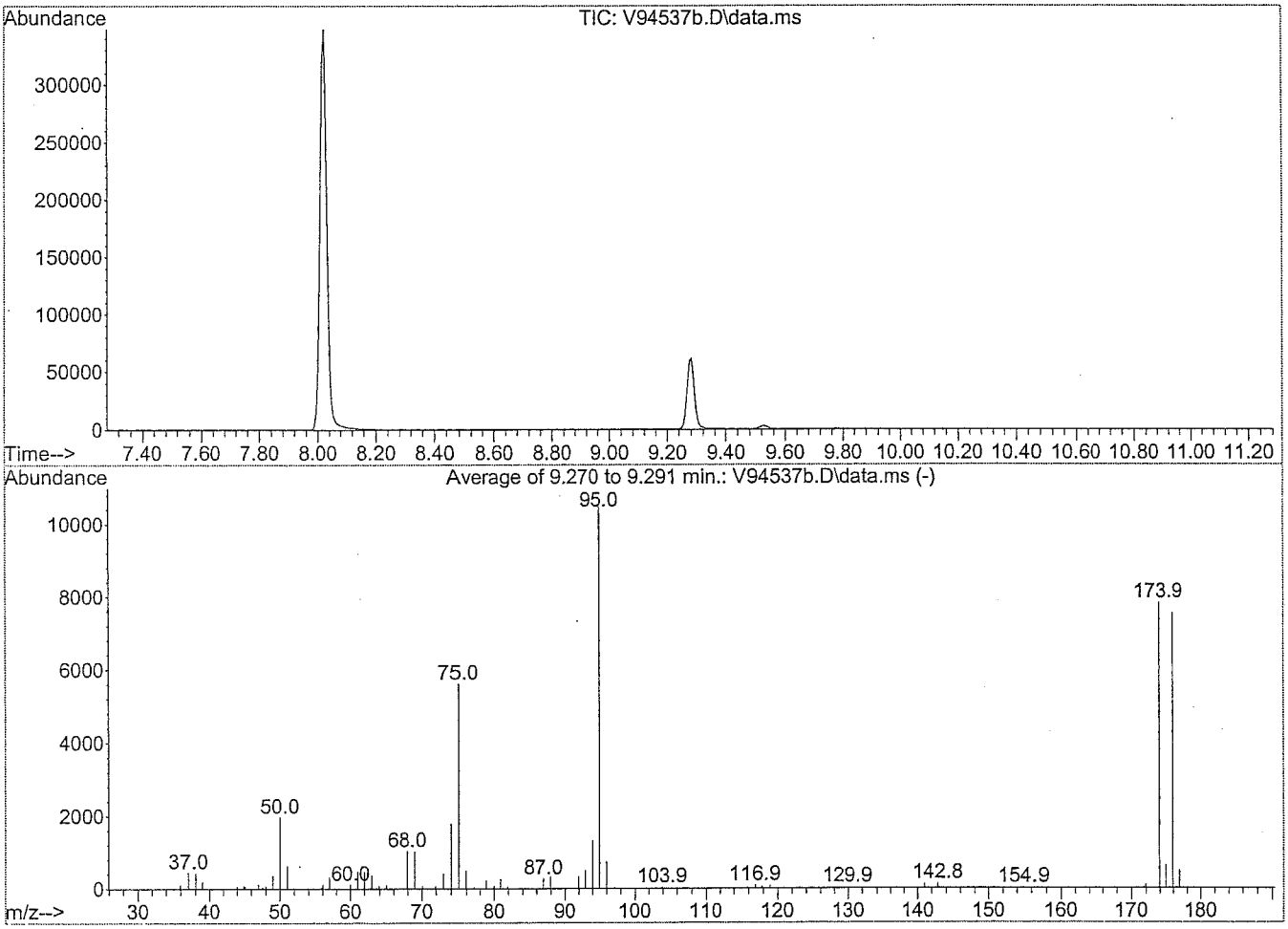
VOLATILE ORGANICS

RAW QC DATA

Data Path : C:\msdchem\1\DATA\111229\Snapshot\
Data File : V94537b.D
Acq On : 29 Dec 2011 3:35 pm
Operator : Bill Brew
Sample : 50ng BFB
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\METHODS\120811.M
Title : 8260/624 Analysis
Last Update : Fri Dec 09 07:49:08 2011



Spectrum Information: Average of 9.270 to 9.291 min.

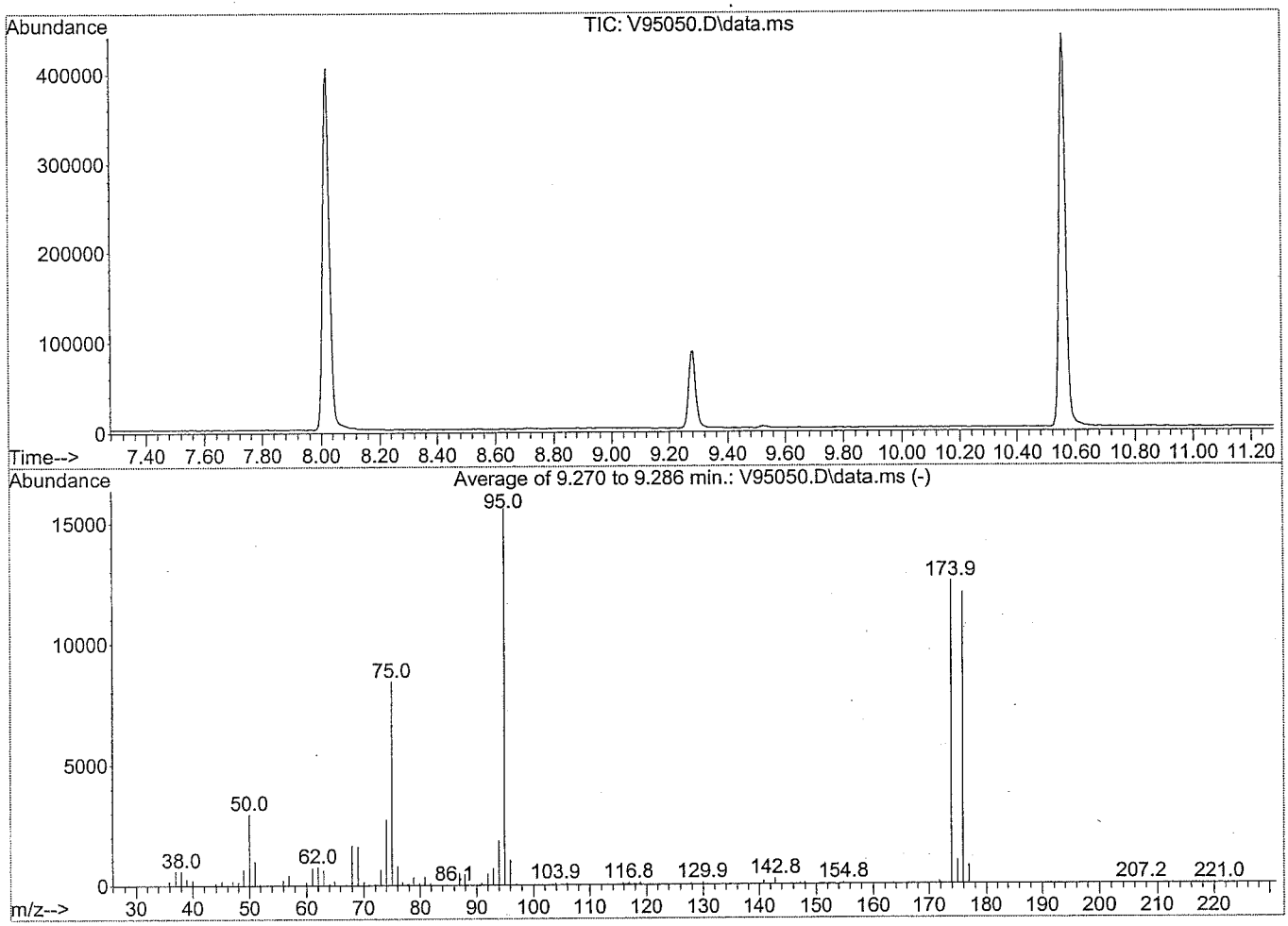
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.7	1958	PASS
75	95	30	60	53.6	5608	PASS
95	95	100	100	100.0	10460	PASS
96	95	5	9	7.0	731	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	74.8	7820	PASS
175	174	5	9	7.9	616	PASS
176	174	95	101	96.2	7523	PASS
177	176	5	9	6.3	472	PASS

12/29/11

Data Path : C:\msdchem\1\DATA\120124\
Data File : V95050.D
Acq On : 24 Jan 2012 12:05 pm
Operator : Bill Brew
Sample : 50ng BFB
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\METHODS\122911a.M
Title : 8260/624 Analysis
Last Update : Wed Jan 18 11:56:14 2012



Spectrum Information: Average of 9.270 to 9.286 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.9	2948	PASS
75	95	30	60	54.0	8426	PASS
95	95	100	100	100.0	15602	PASS
96	95	5	9	6.6	1024	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	80.3	12530	PASS
175	174	5	9	7.8	980	PASS
176	174	95	101	96.1	12044	PASS
177	176	5	9	6.4	770	PASS

1/24 BB

Labella

Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\120124\V95052.D
DataAcq Meth:8260RUN.M
Acq On : 24 Jan 2012 12:51 pm
Sample : SOIL LCS
Misc : Soil
ALS Vial : 4 Sample Multiplier: 1

Operator: Bill Brew
Inst : Instrument #1

Quant Time: Jan 24 13:11:26 2012
Quant Method : C:\msdchem\1\METHODS\122911a.M
Quant Title : 8260/624 Analysis
QLast Update : Wed Jan 18 11:56:14 2012
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	5.076	96	321185	50.00	ug/L		0.00
54) Chlorobenzene-d5	8.022	117	220262	50.00	ug/L		0.00
75) 1,4-Dichlorobenzene-d4	10.557	152	124105	50.00	ug/L		0.00
System Monitoring Compounds							
26) Pentafluorobenzene	4.500	168	168165	49.98	ug/L		0.00
Spiked Amount 50.000	Range 82 - 114		Recovery = 99.96%				
29) 1,2-Dichloroethane-d4	4.772	65	109067	46.85	ug/L		0.00
Spiked Amount 50.000	Range 69 - 116		Recovery = 93.70%				
45) Toluene-D8	6.560	98	308924	46.09	ug/L		0.00
Spiked Amount 50.000	Range 81 - 98		Recovery = 92.18%				
64) 4-Bromofluorobenzene	9.276	95	141401	49.78	ug/L		0.00
Spiked Amount 50.000	Range 75 - 98		Recovery = 99.56%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.447	85	97749	70.22	ug/L		99
3) Chloromethane	1.586	50	103327	57.99	ug/L		99
4) Vinyl chloride	1.671	62	98077	58.60	ug/L		98
5) Bromomethane	1.922	94	62259	63.54	ug/L		97
6) Chloroethane	2.002	64	60212	55.38	ug/L		94
7) Trichlorofluoromethane	2.205	101	178950	59.89	ug/L		96
8) Ethyl ether	2.424	59	67881	54.47	ug/L		100
9) Freon 113	2.616	101	89880	52.39	ug/L		97
10) 1,1-Dichloroethene	2.616	61	136403	52.70	ug/L		85
11) Acetone	2.648	43	23808	40.21	ug/L		95
12) Carbon disulfide	2.803	76	248597	52.59	ug/L		99
14) Methylene chloride	3.000	84	92282	54.48	ug/L		88
15) Acrylonitrile	3.198	53	27519	49.69	ug/L		99
17) Methyl tert-butyl Ether	3.224	73	242909	51.64	ug/L		99
18) trans-1,2-Dichloroethene	3.230	61	129509	52.12	ug/L		84
19) 1,1-Dichloroethane	3.577	63	177362	52.47	ug/L		99
20) Vinyl acetate	3.609	43	133674	52.35	ug/L		96
21) 2,2-Dichloropropane	4.068	77	172548	55.04	ug/L		89
22) 2-Butanone	4.073	72	8769	50.50	ug/L	#	75
23) cis-1,2-Dichloroethene	4.062	96	92456	48.92	ug/L	#	82
24) Bromochloromethane	4.270	128	39229	53.76	ug/L	#	74
25) Chloroform	4.334	83	196429	53.47	ug/L		100
27) Tetrahydrofuran	4.313	42	21663	25.91	ug/L		90
28) 1,1,1-Trichloroethane	4.500	97	178441	53.73	ug/L		94
30) Carbon Tetrachloride	4.649	117	155633	55.10	ug/L		99
31) Benzene	4.831	78	364680	49.30	ug/L		96
32) 1,2-Dichloroethane	4.841	62	144042	51.41	ug/L		96
33) Trichloroethene	5.407	130	85795	48.82	ug/L	#	86
36) 1,2-Dichloropropane	5.615	63	95710	47.62	ug/L	#	69
38) Dibromomethane	5.722	93	55115	49.84	ug/L	#	84
39) Bromodichloromethane	5.866	83	142306	50.23	ug/L		98
40) 2-Chloroethyl vinyl Ether	6.149	63	53224	51.26	ug/L	#	92
42) 1,1-Dichloropropene	4.644	75	144165	52.23	ug/L		90
43) cis-1,3-Dichloropropene	6.293	75	151122	48.54	ug/L		94
44) 4-Methyl-2-pentanone	6.442	58	31358	46.86	ug/L	#	66

1/24 BB

Data File: C:\msdchem\1\DATA\120124\V95052.D
DataAcq Meth:8260RUN.M
Acq On : 24 Jan 2012 12:51 pm Operator: Bill Brew
Sample : SOIL LCS Inst : Instrument #1
Misc : Soil
ALS Vial : 4 Sample Multiplier: 1

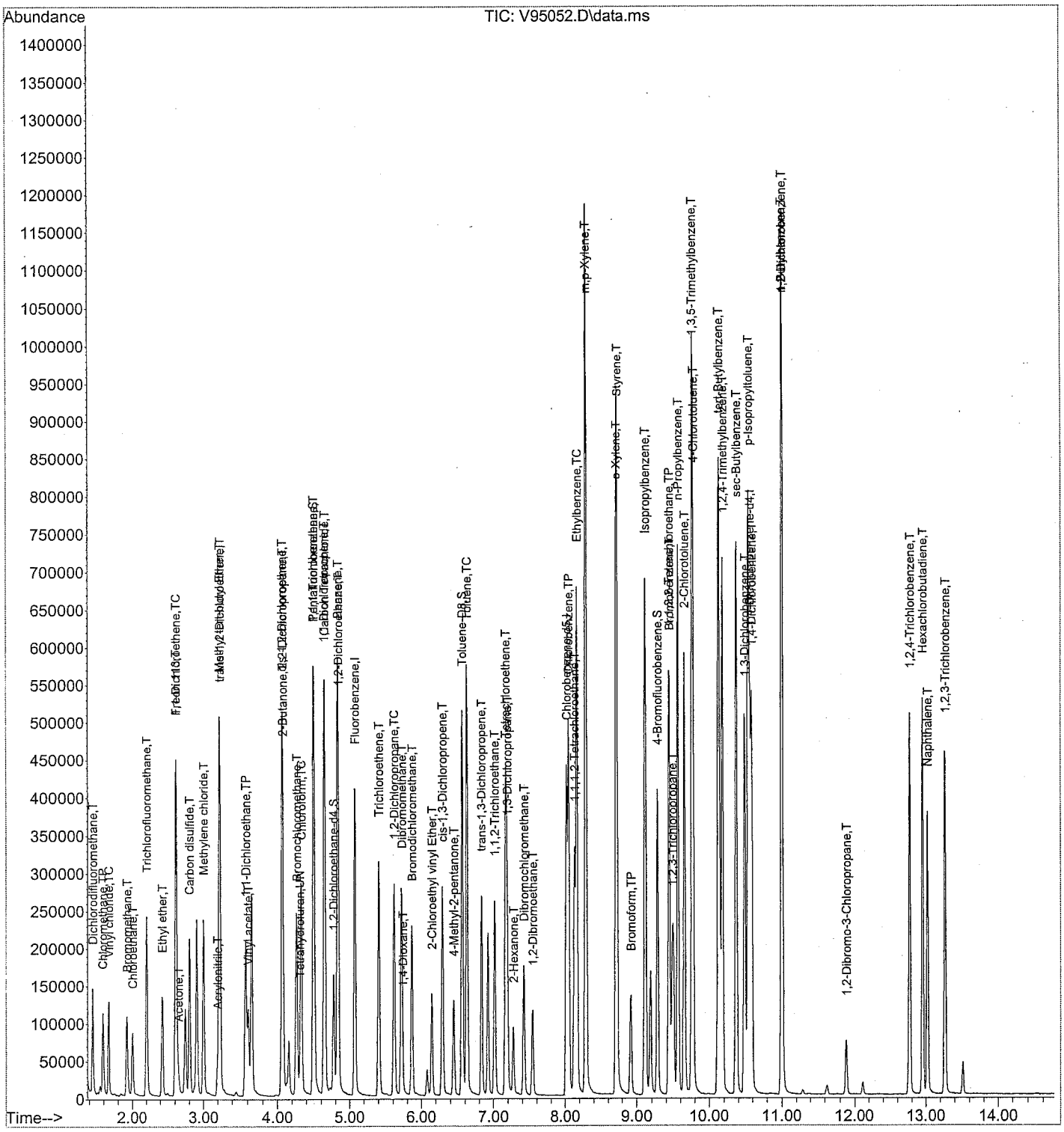
Quant Time: Jan 24 13:11:26 2012
Quant Method : C:\msdchem\1\METHODS\122911a.M
Quant Title : 8260/624 Analysis
QLast Update : Wed Jan 18 11:56:14 2012
Response via : Initial Calibration
Integrator: RTE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Toluene	6.624	91	383332	48.32	ug/L		99
47) trans-1,3-Dichloropropene	6.832	75	148637	50.57	ug/L		96
48) 1,1,2-Trichloroethane	7.019	97	71397	46.34	ug/L		94
49) 1,3-Dichloropropane	7.190	76	136016	47.72	ug/L		98
50) Tetrachloroethene	7.168	166	111443	55.27	ug/L		98
51) 2-Hexanone	7.275	43	52527	47.12	ug/L		94
52) Dibromochloromethane	7.419	129	86912	48.81	ug/L		99
53) 1,2-Dibromoethane	7.542	107	73951	47.59	ug/L		100
55) Chlorobenzene	8.049	112	244458	48.47	ug/L		88
56) 1,1,1,2-Tetrachloroethane	8.134	131	91710	50.05	ug/L		99
57) Ethylbenzene	8.166	91	461759	50.53	ug/L		95
58) m,p-Xylene	8.289	106	317865	100.95	ug/L	#	86
59) o-Xylene	8.711	106	158349	50.33	ug/L	#	80
60) Styrene	8.727	104	283320	53.31	ug/L		93
61) Bromoform	8.924	173	63409	51.77	ug/L		99
62) Isopropylbenzene	9.111	105	459510	52.42	ug/L		95
63) 1,2,3-Trichloropropane	9.484	110	31027	47.69	ug/L		90
65) Bromobenzene	9.442	156	102495	51.19	ug/L	#	74
66) 1,1,2,2-Tetrachloroethane	9.436	83	98264	47.09	ug/L		98
67) n-Propylbenzene	9.565	91	576510	55.10	ug/L		92
68) 2-Chlorotoluene	9.655	126	98352	50.51	ug/L	#	60
69) 4-Chlorotoluene	9.778	126	101470	52.27	ug/L	#	56
70) 1,3,5-Trimethylbenzene	9.762	105	393641	51.83	ug/L		91
71) tert-Butylbenzene	10.125	134	80281	51.42	ug/L	#	71
72) 1,2,4-Trimethylbenzene	10.178	105	402390	52.74	ug/L		92
73) sec-Butylbenzene	10.370	105	512516	53.15	ug/L		92
74) p-Isopropyltoluene	10.536	119	436229	53.72	ug/L		92
76) 1,3-Dichlorobenzene	10.488	146	200325	48.23	ug/L		95
77) 1,4-Dichlorobenzene	10.584	146	196372	47.52	ug/L		98
78) n-Butylbenzene	10.995	91	437318	50.64	ug/L		95
79) 1,2-Dichlorobenzene	11.000	146	181482	47.47	ug/L		99
81) 1,2-Dibromo-3-Chloropr...	11.881	157	19048	44.86	ug/L	#	75
82) 1,2,4-Trichlorobenzene	12.772	180	148837	51.73	ug/L		100
83) 1,2,3-Trichlorobenzene	13.268	180	133470	50.03	ug/L		98
84) Hexachlorobutadiene	12.953	225	101890	50.03	ug/L		99
85) Naphthalene	13.023	128	268470	48.50	ug/L		100
87) 1,4-Dioxane	5.738	88	1120	45.00	ug/L	#	73

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

Data File: C:\msdchem\1\DATA\120124\V95052.D
DataAcq Meth:8260RUN.M
Acq On : 24 Jan 2012 12:51 pm Operator: Bill Brew
Sample : SOIL LCS Inst : Instrument #1
Misc : Soil
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 24 13:11:26 2012
Quant Method : C:\msdchem\1\METHODS\122911a.M
Quant Title : 8260/624 Analysis
QLast Update : Wed Jan 18 11:56:14 2012
Response via : Initial Calibration
Integrator: RTE



PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: LaBella

Client Job Site: 690 St. Paul
Client Job Number: 209280
Field Location: N/A
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:0303
Lab Sample Number: Soil LRB 1/24
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 01/24/2012

Halocarbons	Results in ug / Kg
Bromodichloromethane	< 4.00
Bromomethane	< 4.00
Bromoform	< 10.0
Carbon Tetrachloride	< 4.00
Chloroethane	< 4.00
Chloromethane	< 4.00
2-Chloroethyl vinyl Ether	< 20.0
Chloroform	< 4.00
Dibromochloromethane	< 4.00
1,1-Dichloroethane	< 4.00
1,2-Dichloroethane	< 4.00
1,1-Dichloroethene	< 4.00
cis-1,2-Dichloroethene	< 4.00
trans-1,2-Dichloroethene	< 4.00
1,2-Dichloropropane	< 4.00
cis-1,3-Dichloropropene	< 4.00
trans-1,3-Dichloropropene	< 4.00
Methylene chloride	< 10.0
1,1,2,2-Tetrachloroethane	< 4.00
Tetrachloroethene	< 4.00
1,1,1-Trichloroethane	< 4.00
1,1,2-Trichloroethane	< 4.00
Trichloroethene	< 4.00
Trichlorofluoromethane	< 4.00
Vinyl chloride	< 4.00

Aromatics	Results in ug / Kg
Benzene	< 4.00
Chlorobenzene	< 4.00
Ethylbenzene	< 4.00
Toluene	< 4.00
m,p-Xylene	< 4.00
o-Xylene	< 4.00
Styrene	< 10.0
1,2-Dichlorobenzene	< 4.00
1,3-Dichlorobenzene	< 4.00
1,4-Dichlorobenzene	< 4.00

Ketones	Results in ug / Kg
Acetone	< 20.0
2-Butanone	< 20.0
2-Hexanone	< 10.0
4-Methyl-2-pentanone	< 10.0

Miscellaneous	Results in ug / Kg
Carbon disulfide	< 4.00
Vinyl acetate	< 10.0

ELAP Number 10958 Method: EPA 8260B Data File: V95053.D

Comments: ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

Data File: C:\msdchem\1\DATA\120124\V95053.D
DataAcq Meth:8260RUN.M
Acq On : 24 Jan 2012 1:14 pm Operator: Bill Brew
Sample : SOIL LRB Inst : Instrument #1
Misc : Soil
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 24 13:29:31 2012
Quant Method : C:\msdchem\1\METHODS\122911a.M
Quant Title : 8260/624 Analysis
QLast Update : Wed Jan 18 11:56:14 2012
Response via : Initial Calibration
Integrator: RTE

BM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.075	96	316710	50.00	ug/L	0.00
54) Chlorobenzene-d5	8.020	117	213864	50.00	ug/L	0.00
75) 1,4-Dichlorobenzene-d4	10.561	152	109309	50.00	ug/L	0.00
System Monitoring Compounds						
26) Pentafluorobenzene	4.503	168	166829	50.28	ug/L	0.00
Spiked Amount 50.000	Range 82 - 114		Recovery = 100.56%			
29) 1,2-Dichloroethane-d4	4.776	65	110531	48.15	ug/L	0.00
Spiked Amount 50.000	Range 69 - 116		Recovery = 96.30%			
45) Toluene-D8	6.558	98	298530	45.17	ug/L	0.00
Spiked Amount 50.000	Range 81 - 98		Recovery = 90.34%			
64) 4-Bromofluorobenzene	9.280	95	128836	46.71	ug/L	0.00
Spiked Amount 50.000	Range 75 - 98		Recovery = 93.42%			
Target Compounds						Qvalue
11) Acetone	2.652	43	2246	Below Cal		96
14) Methylene chloride	3.004	84	8060	1.30	ug/L #	83
81) 1,2-Dibromo-3-Chloropr...	11.884	157	152	0.41	ug/L #	60
82) 1,2,4-Trichlorobenzene	12.776	180	1565	0.62	ug/L	90
83) 1,2,3-Trichlorobenzene	13.267	180	2165	0.92	ug/L	95
84) Hexachlorobutadiene	12.952	225	750	0.42	ug/L	99
85) Naphthalene	13.021	128	4402	0.90	ug/L	100

<10
<5

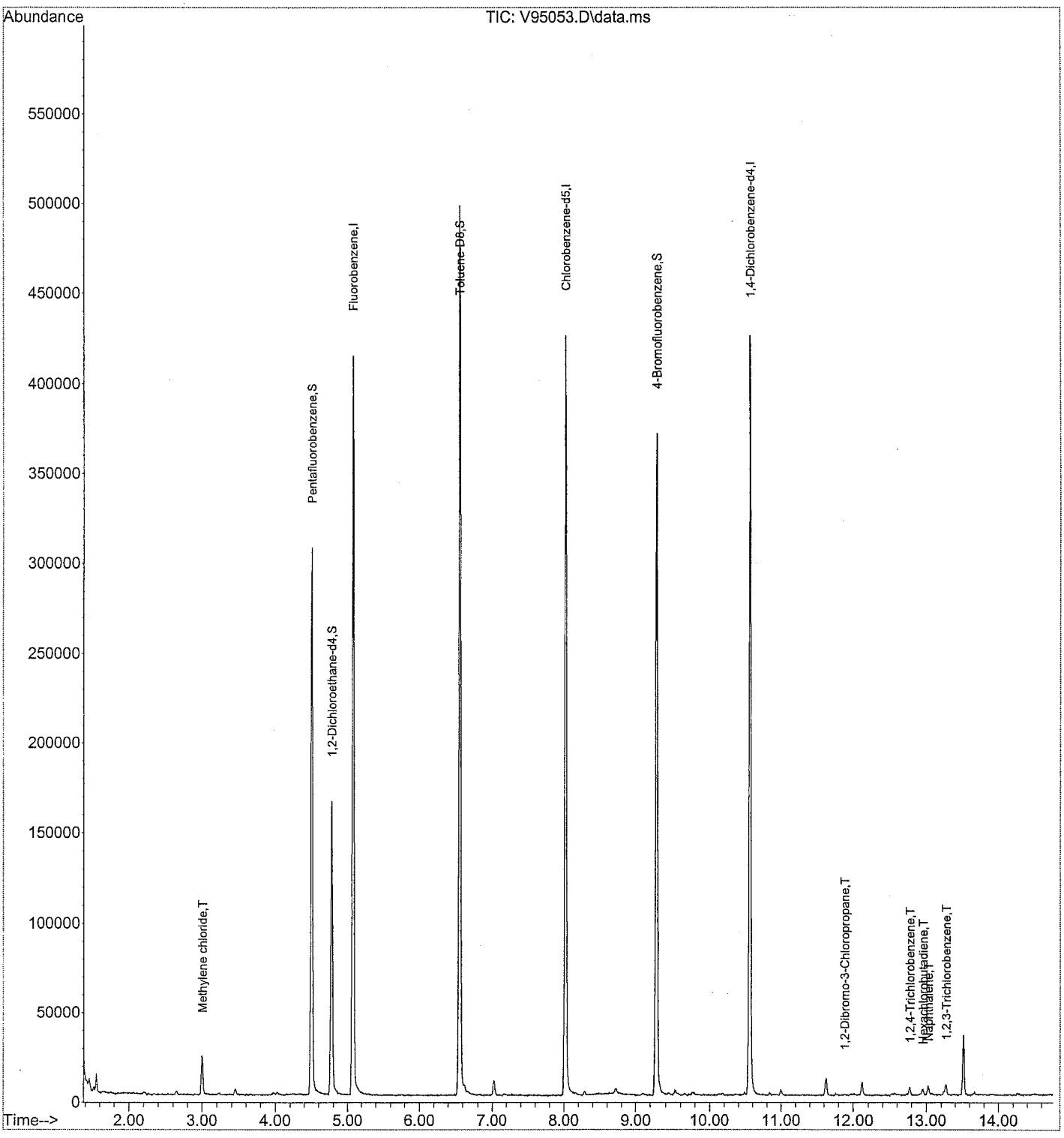
1/24 BB

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

Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\120124\V95053.D
DataAcq Meth:8260RUN.M
Acq On : 24 Jan 2012 1:14 pm Operator: Bill Brew
Sample : SOIL LRB Inst : Instrument #1
Misc : Soil
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 24 13:29:31 2012
Quant Method : C:\msdchem\1\METHODS\122911a.M
Quant Title : 8260/624 Analysis
QLast Update : Wed Jan 18 11:56:14 2012
Response via : Initial Calibration
Integrator: RTE



GC / MS VOA System 6890 / 5973

Internal Standard: 11328

Date of Intial Calibration: 12/29/11

Date	GC Method	Vial #	Data File	Matrix	Sample ID	Volume	Std#	Test	Seq	Intials	A	R	pH	Res Cl	Comments	Intials
12/29/11	8260DVM	1	V94536		50 ng BFB	1 µl	11238		1	BS						
		2	V94537b		↓	↓	↓									BS
		3	V94538a		1 ppb mega Cal	0.1 µl	11343									
		4	V94539		5	0.5		updated 12/29/11 MS								
		5	V94540		20	2										
		6	V94541		50	5		122911, M								
		7	V94542		100	10										
		8	V94543		150	15										
		9	V94544		200	20										
		10	V94545	water	LCS	5 µl	11344		2							
		11	V94546	↓	LRB											
		12	V94547		Supelco DCDFM	1.25 µl	11345									
		13	V94548	water	18334	5 ml	V1	624 BTEX					<2	ng		
		14	V94549		MS											
		15	V94550	↓	MSD	↓										
		16	V94551	TCLP	18309	500 µl										
		17	V94552		18310											
		18	V94553		18311											
		19	V94554		18329											
		20	V94555		18330		↓									
		21	V94556		18331		V									
		22	V94557	↓	18332	↓	V									
		23	V94558	water	18341	5 ml	V1	BTEX								
	↓	24	V94559	liquid	18227	↓	M1-1	TCL	↓	↓						↓

*A = Accept R = Reject

^ pH and Res Cl recorded for 624 Only

GC / MS VOA System 6890 / 5973

Internal Standard: 11365

Date of Intial Calibration: 12/29/11

Date	GC Method	Vial #	Data File	Matrix	Sample ID	Volume	Std#	Test	Seq	Intials	A	R	pH	Res Cl	Comments	Intials
1/23/12	8260RUN	22	V95047	soil	M/L PB	100 µl			3	BB						BB
	↓	23	V95048	↓	↓ 251-02	5 µl	S2	TCL	↓	↓		X			1:50 µl	
1/24/12	8260RUN	1	V95049		50 ng BFB	1 µl	111238		1	BB						
		2	V95050		↓	↓	↓		↓							BB
		3	V95051		50 ppb mix cc	5 µl	11343		↓							
		4	V95052	soil	CCS	5 µl	11344		2							
		5	V95053		LRB				↓							
		6	V95054		12:0311-01	1.82 g	G3	☆	3						Rush!	
		7	V95055		-02	2.03 g										
		8	V95056		-03	1.55 g										
		9	V95057		-04	1.21 g										
		10	V95058		-05	1.11 g										
		11	V95059		269-01	1.19 g	G2	☆								
		12	V95060		↓ -02	1.74 g		TCL								
		13	V95061		303-01	2.70 g		ASP TCL								
		14	V95062		↓ -02	2.72 g										
		15	V95063		↓ -03	3.11 g										
		16	V95064		304-04	1.45 g		☆								
		17	V95065	↓	↓ -05	1.66 g	↓	☆	↓							
		18	V95066	water	CCS	5 µl	11344		2			X			use 5 µl run	
		19	V95067	↓	LRB				↓							
		20	V95068	soil	M/L PB	100 µl			1							
	↓	21	V95069	↓	↓ 251-02	50 µl		TCL	↓	↓		X			use 5 µl run	✓

*A = Accept R = Reject

^ pH and Res Cl recorded for 624 Only

LaBella Associates, P.C.
300 State Street
Rochester, New York 14614

Appendix C

Waste Disposal Documentation

WASTE MANAGEMENT

Generator's Non-hazardous Waste Profile Sheet

Requested Disposal Facility: High Acres Landfill Profile Number: 108337NY

☐ Renewal for Profile Number: _____ Waste Approval Expiration Date: _____

☐ Check here if there are multiple generating locations for this waste. Attach additional locations.

A. Waste Generator Facility Information (must reflect location of waste generation/origin)

1. Generator Name: GENESEE VALLEY REAL ESTATE COMPANY, LLC
2. Site Address: 690 SAINT PAUL STREET
3. City/ZIP: ROCHESTER, 14605
4. State: NY
5. County: MONROE
6. Contact Name/Title: JOHN BAKER OR CHRIS GULLACE
7. Email Address: jbaker123@hotmail.com
8. Phone: 585-703-7173 9. FAX: 5853307173
10. NAICS Code: _____
11. Generator USEPA ID #: _____
12. State ID# (if applicable): _____

B. Customer Information ☐ same as above

P. O. Number: BILL TO MID CITY MANAGEMENT (GENESEE

1. Customer Name: GENESEE VALLEY REAL ESTATE
2. Billing Address: 690 SAINT PAUL STREET
3. City, State and ZIP: ROCHESTER, NY, 14605
4. Contact Name: JOHN BAKER OR CHRIS GULLACE
5. Contact Email: jbaker123@hotmail.com
6. Phone: 585-703-7173 FAX: 5853307173
7. Transporter Name: waste management
8. Transporter ID # (if appl.): _____
9. Transporter Address: _____
10. City, State and ZIP: _____

C. Waste Stream Information

1. DESCRIPTION

a. Common Waste Name: NON-RCRA, NON-DOT REGULATED SOIL AND ROCK

State Waste Code(s): _____

b. Describe Process Generating Waste or Source of Contamination:

EXCAVATION FROM FORMER COAL TAR IMPACTED SITE. SITE WAS A FORMER OIL HOUSE. POSSIBLE IMPACTES NAPL, LNAPL, VOCS, PCBS, TCE. SEE ATTACHED ANALYTICAL DATA PACKAGE. SOME MAY BE CLASSIFIED AS HAZARDOUS. LABELLA ASSOCIATES IS OBTAINING A CONTAINED IN LETTER FROM THE NYSDEC.

c. Typical Color(s): BROWN

d. Strong Odor? ☐ Yes ☑ No Describe: _____

e. Physical State at 70°F: ☑ Solid ☐ Liquid ☐ Powder ☐ Semi-Solid or Sludge ☐ Other: _____

f. Layers? ☐ Single layer ☐ Multi- layer ☐ NA

g. Water Reactive? ☐ Yes ☑ No If Yes, Describe: _____

h. Free Liquid Range (%): _____ to _____ ☑ NA(solid)

i. pH Range: 6.5 to 7.5 ☐ NA(solid)

j. Liquid Flash Point: ☐ < 140°F ☐ 140°- 199°F ☐ ≥ 200°F ☑ NA(solid)

k. Flammable Solid: ☐ Yes ☑ No

l. Physical Constituents: List all constituents of waste stream - (e.g. Soil 0-80%, Wood 0-20%): ☐ (See Attached)

Constituents (Total Composition Must be ≥ 100%)	Lower Range	Unit of Measure	Upper Range	Unit of Measure
1. SOIL AND ROCK	98	%	100	%
2.				
3.				
4.				
5.				
6.				

2. ESTIMATED QUANTITY OF WASTE AND SHIPPING INFORMATION

a. ☑ One Time Event ☐ Base ☐ Repeat Event

b. Estimated Annual Quantity: 250 ☑ Tons ☐ Cubic Yards ☐ Drums ☐ Gallons ☐ Other (specify): _____

c. Shipping Frequency: ONE TIME Units per ☐ Month ☐ Quarter ☐ Year ☑ One Time ☐ Other

d. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If yes, answer e.) ☐ Yes ☑ No

e. USDOT Shipping Description (if applicable): _____

3. SAFETY REQUIREMENTS (Handling, PPE, etc.): N/A

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D. Regulatory Status (Please check appropriate responses)

1. Waste Identification:
   a. Does the waste meet the definition of a USEPA listed or characteristic hazardous waste as defined by 40 CFR Part 261? ☐ Yes ☑ No
      1. If yes, please complete a hazardous waste profile.
   b. Does the waste meet the definition of a state hazardous waste other than identified in D.1.a? ☐ Yes ☑ No
      1. If yes, please complete a hazardous waste profile.
2. Is this waste included in one or more of categories below (Check all that apply)? If yes, attach supporting documentation. ☐ Yes ☑ No
   ☐ Delisted Hazardous Waste ☐ Excluded Wastes Under 40CFR 261.4
   ☐ Treated Hazardous Waste Debris ☐ Treated Characteristic Hazardous Waste
3. Is the waste from a Federal (40 CFR 300, Appendix B) or state mandated clean-up? If yes, see instructions. ☐ Yes ☑ No
4. Does the waste represented by this waste profile sheet contain radioactive material? ☐ Yes ☑ No
   a. If yes, is disposal regulated by the Nuclear Regulatory Commission? ☐ Yes ☐ No
   b. If yes, is disposal regulated by a State Agency for radioactive waste/NORM? ☐ Yes ☐ No
5. Does the waste represented by this waste profile sheet contain Polychlorinated Biphenyls (PCBs)? ☑ Yes ☐ No
   (If yes, list in Chemical Composition - C.1.l)
   a. If yes, are the PCBs regulated by 40 CFR 761? ☐ Yes ☑ No
   b. If yes, is it remediation waste from a project being performed under the Self-Implementing option provided in 40 CFR 761.61(a)? ☐ Yes ☑ No
   c. If yes, were the PCBs imported into the US? ☐ Yes ☑ No
6. Does the waste contain untreated, regulated medical or infectious waste? ☐ Yes ☑ No
7. Does the waste contain asbestos? ☐ Yes ☑ No
   a. If Yes, ☐ Friable ☐ Non Friable
8. Is this profile for remediation waste from a facility that is a major source of Hazardous Air Pollutants (Site Remediation NESHAP, 40 CFR 63 subpart GGGGG)? ☐ Yes ☑ No
   a. If yes, does the waste contain <500 ppmw VOHAPs at the point of determination? ☐ Yes ☐ No

E. Generator Certifcation (Please read and certify by signature below)

By signing this Generator's Waste Profile Sheet, I hereby certify that all:

1. Information submitted in this profile and all attached documents contain true and accurate descriptions of the waste material;
2. Relevant information within the possession of the Generator regarding known or suspected hazards pertaining to this waste has been disclosed to WM/the Contractor;
3. Analytical data attached pertaining to the profiled waste was derived from testing a representative sample in accordance with 40 CFR 261.20(c) or equivalent rules; and
4. Changes that occur in the character of the waste (i.e. changes in the process or new analytical) will be identified by the Generator and disclosed to WM (and the Contractor if applicable) prior to providing the waste to WM (and the contractor if applicable).
5. Check all that apply:
   ☑ a. Attached analytical pertains to the waste. Identify laboratory & sample ID #'s and parameters tested: WCS-111611-1, WCS-111711-1, RX-DUMPSTER, RX-HOLE AND WEATHERED # Pages: ALL
   ☐ b. Only the analysis identified on the attachment pertain to the waste (identify by laboratory & sample ID #'s and parameters tested). Attachment #: _____
   ☐ c. Additional information necessary to characterize the profiled waste has been attached (other then analytical, such as MSDS). Indicate the number of attached pages: _____
   ☑ d. I am an agent signing on behalf of the Generator, and the delegation of authority to me from the Generator for this signature is available upon request.

Certification Signature: _____ Title: PROJECT MANAGER

Company Name: OP-TECH ENVIRONMENTAL SERVICES Name (Print): CHADD GENERAL

Date: 11-25-11

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Generator's Non-hazardous Waste Profile Sheet

Requested Disposal Facility: High Acres Landfill Profile Number: 108337NY

☐ Renewal for Profile Number: _____ Waste Approval Expiration Date: _____

☐ Check here if there are multiple generating locations for this waste. Attach additional locations.

A. Waste Generator Facility Information (must reflect location of waste generation/origin)

1. Generator Name: GENESEE VALLEY REAL ESTATE COMPANY, LLC
2. Site Address: 690 SAINT PAUL STREET
3. City/ZIP: ROCHESTER, 14605
4. State: NY
5. County: MONROE
6. Contact Name/Title: JOHN BAKER OR CHRIS GULLACE
7. Email Address: jbaker123@hotmail.com
8. Phone: 585-703-7173 9. FAX: 5853307173
10. NAICS Code: _____
11. Generator USEPA ID #: _____
12. State ID# (if applicable): _____

B. Customer Information ☐ same as above

P. O. Number: BILL TO MID CITY MANAGEMENT (GENESEE VALLE

1. Customer Name: GENESEE VALLEY REAL ESTATE COM
2. Billing Address: 690 SAINT PAUL STREET
3. City, State and ZIP: ROCHESTER, NY, 14605
4. Contact Name: JOHN BAKER OR CHRIS GULLACE
5. Contact Email: jbaker123@hotmail.com
6. Phone: 585-703-7173 FAX: 5853307173
7. Transporter Name: waste management
8. Transporter ID # (if appl.): _____
9. Transporter Address: _____
10. City, State and ZIP: _____

C. Waste Stream Information

1. DESCRIPTION

a. Common Waste Name: NON-RCRA, NON-DOT REGULATED SOIL AND ROCK
State Waste Code(s): _____

b. Describe Process Generating Waste or Source of Contamination:

EXCAVATION FROM FORMER COAL TAR IMPACTED SITE. SITE WAS A FORMER OIL HOUSE. POSSIBLE IMPACTES NAPL, LNAPL, VOCS, PCBS, TCE. SEE ATTACHED ANALYTICAL DATA PACKAGE. SOME MAY BE CLASSIFIED AS HAZARDOUS. LABELLA ASSOCIATES IS OBTAINING A C

c. Typical Color(s): BROWN

d. Strong Odor? ☐ Yes ☑ No Describe: _____

e. Physical State at 70°F: ☑ Solid ☐ Liquid ☐ Powder ☐ Semi-Solid or Sludge ☐ Other: _____

f. Layers? ☐ Single layer ☐ Multi- layer ☐ NA

g. Water Reactive? ☐ Yes ☑ No If Yes, Describe: _____

h. Free Liquid Range (%): _____ to _____ ☑ NA(solid)

i. pH Range: 6.5 to 7.5 ☐ NA(solid)

j. Liquid Flash Point: ☐ < 140°F ☐ 140°- 199°F ☐ ≥ 200°F ☑ NA(solid)

k. Flammable Solid: ☐ Yes ☑ No

l. Physical Constituents: List all constituents of waste stream - (e.g. Soil 0-80%, Wood 0-20%): ☐ (See Attached)

Constituents (Total Composition Must be ≥ 100%)	Lower Range	Unit of Measure	Upper Range	Unit of Measure
1. SOIL AND ROCK	98	%	100	%
2.				
3.				
4.				
5.				
6.				

2. ESTIMATED QUANTITY OF WASTE AND SHIPPING INFORMATION

a. ☑ One Time Event ☐ Base ☐ Repeat Event

b. Estimated Annual Quantity: 250 ☑ Tons ☐ Cubic Yards ☐ Drums ☐ Gallons ☐ Other (specify): _____

c. Shipping Frequency: ONE TIME ROLL-OFFS Units per ☐ Month ☐ Quarter ☐ Year ☑ One Time ☐ Other

d. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If yes, answer e.) ☐ Yes ☑ No

e. USDOT Shipping Description (if applicable): _____

3. SAFETY REQUIREMENTS (Handling, PPE, etc.): N/A

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WASTE MANAGEMENT

Generator's Non-hazardous Waste Profile Sheet

108337NY

D. Regulatory Status (Please check appropriate responses)

1. Waste Identification:
   a. Does the waste meet the definition of a USEPA listed or characteristic hazardous waste as defined by 40 CFR Part 261? ☐ Yes ☑ No
      1. If yes, please complete a hazardous waste profile.
   b. Does the waste meet the definition of a state hazardous waste other than identified in D.1.a? ☐ Yes ☑ No
      1. If yes, please complete a hazardous waste profile.
2. Is this waste included in one or more of categories below (Check all that apply)? If yes, attach supporting documentation. ☐ Yes ☑ No
   ☐ Delisted Hazardous Waste ☐ Excluded Wastes Under 40CFR 261.4
   ☐ Treated Hazardous Waste Debris ☐ Treated Characteristic Hazardous Waste
3. Is the waste from a Federal (40 CFR 300, Appendix B) or state mandated clean-up? If yes, see instructions. ☐ Yes ☑ No
4. Does the waste represented by this waste profile sheet contain radioactive material? ☐ Yes ☑ No
   a. If yes, is disposal regulated by the Nuclear Regulatory Commission? ☐ Yes ☐ No
   b. If yes, is disposal regulated by a State Agency for radioactive waste/NORM? ☐ Yes ☐ No
5. Does the waste represented by this waste profile sheet contain Polychlorinated Biphenyls (PCBs)? ☑ Yes ☐ No
   (If yes, list in Chemical Composition - C.1.l)
   a. If yes, are the PCBs regulated by 40 CFR 761? ☐ Yes ☑ No
   b. If yes, is it remediation waste from a project being performed under the Self-Implementing option provided in 40 CFR 761.61(a)? ☐ Yes ☑ No
   c. If yes, were the PCBs imported into the US? ☐ Yes ☑ No
6. Does the waste contain untreated, regulated medical or infectious waste? ☐ Yes ☑ No
7. Does the waste contain asbestos? ☐ Yes ☑ No
   a. If Yes, ☐ Friable ☐ Non Friable
8. Is this profile for remediation waste from a facility that is a major source of Hazardous Air Pollutants (Site Remediation NESHAP, 40 CFR 63 subpart GGGGG)? ☐ Yes ☑ No
   a. If yes, does the waste contain <500 ppmw VOHAPs at the point of determination? ☐ Yes ☐ No

E. Generator Certifcation (Please read and certify by signature below)

By signing this Generator's Waste Profile Sheet, I hereby certify that all:

1. Information submitted in this profile and all attached documents contain true and accurate descriptions of the waste material;
2. Relevant information within the possession of the Generator regarding known or suspected hazards pertaining to this waste has been disclosed to WM/the Contractor;
3. Analytical data attached pertaining to the profiled waste was derived from testing a representative sample in accordance with 40 CFR 261.20(c) or equivalent rules; and
4. Changes that occur in the character of the waste (i.e. changes in the process or new analytical) will be identified by the Generator and disclosed to WM (and the Contractor if applicable) prior to providing the waste to WM (and the contractor if applicable).
5. Check all that apply:
   ☑ a. Attached analytical pertains to the waste. Identify laboratory & sample ID #'s and parameters tested: WCS-111611-1, WCS-111711-1, RX-DUMPSTER, RX-HOLE AND WEATHERED F # Pages: ALL
   ☐ b. Only the analysis identified on the attachment pertain to the waste (identify by laboratory & sample ID #'s and parameters tested). Attachment #: _____
   ☐ c. Additional information necessary to characterize the profiled waste has been attached (other then analytical, such as MSDS). Indicate the number of attached pages: _____
   ☑ d. I am an agent signing on behalf of the Generator, and the delegation of authority to me from the Generator for this signature is available upon request.

Certification Signature: _____ Title: PROJECT MANAGER

Company Name: OP-TECH ENVIRONMENTAL SERVICES Name (Print): CHADD GENERAL

Date: 11-25-11

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WASTE MANAGEMENT

High Acres LF
425 Perinton Pkwy
Fairport, NY, 14450
Ph: (585) 223-6132

Reprint
Ticket# 861128

Customer Name WM-ROCHESTER WM-ROCHESTER
Ticket Date 12/02/2011
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 295625
Destination
PO
Profile 108337NY (NON REGULATED SOIL)
Generator 190-GENESEEVALLEYREALESTATE GENESEE VALLEY REAL ESTATE CO, LLC

Carrier WM WASTE MANAGEMENT
Vehicle# 41133302117 Volume
Container
Driver
Check#
Billing # 0004738
Gen EPA ID N/A
Grid CELL 10

	Time	Scale	Operator	Inbound		
In	12/02/2011 11:25:22	A_Scale_1	SMARVIN		Gross	66820 lb
Out	12/02/2011 11:46:24	B_Scale_2	smarvin		Tare	38640 lb
					Net	28180 lb
					Tons	14.09

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	100	14.09	Tons				MON

Total Fees
Total Ticket

Driver's Signature_____

404WM

WASTE MANAGEMENT

High Acres LF
425 Perinton Pkwy
Fairport, NY, 14450
Ph: (585) 223-6132

Reprint
Ticket# 861186

Customer Name WM-ROCHESTER WM-ROCHESTER
Ticket Date 12/02/2011
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 295623
Destination
PO
Profile 108337NY (NON REGULATED SOIL)
Generator 190-GENESEEVALLEYREALESTATE GENESEE VALLEY REAL ESTATE CO, LLC

Carrier WM WASTE MANAGEMENT
Vehicle# 411333 Volume
Container
Driver
Check#
Billing # 0004738
Gen EPA ID N/A
Grid CELL 10

	Time	Scale	Operator	Inbound		
In	12/02/2011 13:58:49	A_Scale_1	JFRUTCHE		Gross	66920 lb
Out	12/02/2011 14:12:59	B_Scale_2	JFRUTCHE		Tare	38620 lb
					Net	28300 lb
					Tons	14.15

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	100	14.15	Tons				MON

Total Fees
Total Ticket

Driver's Signature_____

404WM

WASTE MANAGEMENT

High Acres LF
425 Perinton Pkwy
Fairport, NY, 14450
Ph: (585) 223-6132

Reprint
Ticket# 861213

Customer Name WM-ROCHESTER WM-ROCHESTER
Ticket Date 12/02/2011
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 295624
Destination
PO
Profile 108337NY (NON REGULATED SOIL)
Generator 190-GENESEEVALLEYREALESTATE GENESEE VALLEY REAL ESTATE CO, LLC

Carrier WM WASTE MANAGEMENT
Vehicle# 41133302117 Volume
Container
Driver
Check#
Billing # 0004738
Gen EPA ID N/A
Grid CELL 10

	Time	Scale	Operator	Inbound		
In	12/02/2011 15:33:58	A_Scale_1	SMARVIN		Gross	69480 lb
Out	12/02/2011 15:34:16	A_Scale_2	SMARVIN		Tare	38620 lb*
			* Manual Weight		Net	30860 lb
					Tons	15.43

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	100	15.43	Tons				MON

Total Fees
Total Ticket

Driver's Signature_____

404WM

WASTE MANAGEMENT

High Acres LF
425 Perinton Pkwy
Fairport, NY, 14450
Ph: (585) 223-6132

Reprint
Ticket# 861294

Customer Name WM-ROCHESTER WM-ROCHESTER
Ticket Date 12/05/2011
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 296321
Destination
PO
Profile 108337NY (NON REGULATED SOIL)
Generator 190-GENESEEVALLEYREALESTATE GENESEE VALLEY REAL ESTATE CO, LLC

Carrier WM WASTE MANAGEMENT
Vehicle# 411333 Volume
Container
Driver
Check#
Billing # 0004738
Gen EPA ID N/A
Grid CELL 10

	Time	Scale	Operator	Inbound		
In	12/05/2011 09:40:18	A_Scale_1	SMARVIN		Gross	63120 lb
Out	12/05/2011 09:53:52	B_Scale_2	SMARVIN		Tare	37640 lb
					Net	25480 lb
					Tons	12.74

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	100	12.74	Tons				MON

Total Fees
Total Ticket

Driver's Signature_____

404WM

WASTE MANAGEMENT

High Acres LF
425 Perinton Pkwy
Fairport, NY, 14450
Ph: (585) 223-6132

Reprint
Ticket# 861343

Customer Name WM-ROCHESTER WM-ROCHESTER
Ticket Date 12/05/2011
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest **
Destination
PO
Profile 108337NY (NON REGULATED SOIL)
Generator 190-GENESEEVALLEYREALESTATE GENESEE VALLEY REAL ESTATE CO, LLC

Carrier WM WASTE MANAGEMENT
Vehicle# 41133302117 Volume
Container
Driver
Check#
Billing # 0004738
Gen EPA ID N/A
Grid CELL 10

	Time	Scale	Operator	Inbound		
In	12/05/2011 12:02:03	A_Scale_1	SMARVIN		Gross	61960 lb
Out	12/05/2011 12:13:09	B_Scale_2	SMARVIN		Tare	38660 lb
					Net	23300 lb
					Tons	11.65

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	100	11.65	Tons				MON

Total Fees
Total Ticket

Driver's Signature_____

404WM

WASTE MANAGEMENT

High Acres LF
425 Perinton Pkwy
Fairport, NY, 14450
Ph: (585) 223-6132

Reprint
Ticket# 861394

Customer Name WM-ROCHESTER WM-ROCHESTER
Ticket Date 12/05/2011
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest **
Destination
PO
Profile 108337NY (NON REGULATED SOIL)
Generator 190-GENESEEVALLEYREALESTATE GENESEE VALLEY REAL ESTATE CO, LLC

Carrier WM WASTE MANAGEMENT
Vehicle# 411333 Volume
Container
Driver
Check#
Billing # 0004738
Gen EPA ID N/A
Grid CELL 10

	Time	Scale	Operator	Inbound		
In	12/05/2011 13:28:02	A_Scale_1	SMARVIN		Gross	60120 lb
Out	12/05/2011 13:43:57	B_Scale_2	SMARVIN		Tare	37500 lb
					Net	22620 lb
					Tons	11.31

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	100	11.31	Tons				MON

Total Fees
Total Ticket

Driver's Signature_____

404WM

WASTE MANAGEMENT

High Acres LF
425 Perinton Pkwy
Fairport, NY, 14450
Ph: (585) 223-6132

Reprint
Ticket# 861451

Customer Name WM-ROCHESTER WM-ROCHESTER
Ticket Date 12/05/2011
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest **
Destination
PO
Profile 108337NY (NON REGULATED SOIL)
Generator 190-GENESEEVALLEYREALESTATE GENESEE VALLEY REAL ESTATE CO, LLC

Carrier WM WASTE MANAGEMENT
Vehicle# 411333 Volume
Container
Driver
Check#
Billing # 0004738
Gen EPA ID N/A
Grid CELL 10

	Time	Scale	Operator	Inbound		
In	12/05/2011 15:09:56	A_Scale_1	SMARVIN		Gross	67920 lb
Out	12/05/2011 15:27:41	B_Scale_2	SMARVIN		Tare	38560 lb
					Net	29360 lb
					Tons	14.68

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	100	14.68	Tons				MON

Total Fees
Total Ticket

Driver's Signature_____

404WM

WASTE MANAGEMENT

High Acres LF
425 Perinton Pkwy
Fairport, NY, 14450
Ph: (585) 223-6132

Reprint
Ticket# 861532

Customer Name WM-ROCHESTER WM-ROCHESTER
Ticket Date 12/06/2011
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 296869
Destination
PO
Profile 108337NY (NON REGULATED SOIL)
Generator 190-GENESEEVALLEYREALESTATE GENESEE VALLEY REAL ESTATE CO, LLC

Carrier WM WASTE MANAGEMENT
Vehicle# 411333 Volume
Container
Driver
Check#
Billing # 0004738
Gen EPA ID N/A
Grid CELL 10

	Time	Scale	Operator	Inbound		
In	12/06/2011 10:19:37	A_Scale_1	SMARVIN		Gross	58780 lb
Out	12/06/2011 10:41:25	B_Scale_2	mmaloney		Tare	37580 lb
					Net	21200 lb
					Tons	10.60

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	100	10.60	Tons				MON

Total Fees
Total Ticket

Driver's Signature_____

404WM

WASTE MANAGEMENT

High Acres LF
425 Perinton Pkwy
Fairport, NY, 14450
Ph: (585) 223-6132

Reprint
Ticket# 863685

Customer Name WM-ROCHESTER WM-ROCHESTER
Ticket Date 12/19/2011
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 302113
Destination
PO
Profile 108337NY (NON REGULATED SOIL)
Generator 190-GENESEEVALLEYREALESTATE GENESEE VALLEY REAL ESTATE CO, LLC

Carrier WM WASTE MANAGEMENT
Vehicle# 41133302117 Volume
Container
Driver
Check#
Billing # 0004738
Gen EPA ID N/A
Grid CELL 10

	Time	Scale	Operator	Inbound		
In	12/19/2011 10:43:27	A_Scale_1	mmaloney		Gross	67200 lb
Out	12/19/2011 11:00:07	B_Scale_2	MMALONEY		Tare	38600 lb
					Net	28600 lb
					Tons	14.30

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	100	14.30	Tons				MON

Total Fees
Total Ticket

Driver's Signature_____

404WM

WASTE MANAGEMENT

High Acres LF
425 Perinton Pkwy
Fairport, NY, 14450
Ph: (585) 223-6132

Reprint
Ticket# 866209

Customer Name WM-ROCHESTER WM-ROCHESTER
Ticket Date 01/06/2012
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest **
Destination
PO
Profile 108337NY (NON REGULATED SOIL)
Generator 190-GENESEEVALLEYREALESTATE GENESEE VALLEY REAL ESTATE CO, LLC

Carrier WM WASTE MANAGEMENT
Vehicle# 412267 Volume
Container
Driver
Check#
Billing # 0004738
Gen EPA ID N/A
Grid CELL 10

	Time	Scale	Operator	Inbound		
In	01/06/2012 12:51:57	A_Scale_1	SMARVIN		Gross	54300 lb
Out	01/06/2012 13:04:39	B_Scale_2	JFRUTCHE		Tare	36040 lb
					Net	18260 lb
					Tons	9.13

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	100	9.13	Tons				MON

Total Fees
Total Ticket

Driver's Signature_____

404WM

WASTE MANAGEMENT

High Acres LF
425 Perinton Pkwy
Fairport, NY, 14450
Ph: (585) 223-6132

Reprint
Ticket# 866252

Customer Name WM-ROCHESTER WM-ROCHESTER
Ticket Date 01/06/2012
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest **
Destination
PO
Profile 108337NY (NON REGULATED SOIL)
Generator 190-GENESEEVALLEYREALESTATE GENESEE VALLEY REAL ESTATE CO, LLC

Carrier WM WASTE MANAGEMENT
Vehicle# 412267
Container
Driver
Check#
Billing # 0004738
Gen EPA ID N/A
Grid CELL 10

Volume

	Time	Scale	Operator	Inbound		
In	01/06/2012 14:59:00	A_Scale_1	JFRUTCHE		Gross	63460 lb
Out	01/06/2012 15:23:02	B_Scale_2	SMARVIN		Tare	35100 lb
					Net	28360 lb
					Tons	14.18

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	100	14.18	Tons				MON

Total Fees
Total Ticket

Driver's Signature_____

404WM

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000080754	1	800-225-5750	003041292 FLE

GENERATOR

5. Generator's Name and Mailing Address

Genesee Valley Real Estate
690 Saint Paul Street
Rochester, NY 14605

Generator's Phone: 585-232-5500

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: OP-TECH Environmental Services, Inc.
U.S. EPA ID Number: NYD986980753

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
CWM Chemical Services, LLC
PO Box 200, 1550 Balmer Road
Model City, NY 14107

Facility's Phone: 716-754-8231

U.S. EPA ID Number: NYD049836679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN3082, Hazardous Waste, Liquid, N.O.S. (Benzene, Polychlorinated Biphenyls), 9, RQ, PGIII (ERG#171)	001	DM	EST 400	P	D018 / D026	D019 / D030	D020 / T
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information

9A1) NY303431- Additional Codes: D032, D034, D036, D040, D043, B002, B007
Out Of Service Date:
Container #

Job#: RGVR0003

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name | Signature: John Baker | Month 3 Day 7 Year 12

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: James R Washburn | Signature: James R Washburn | Month 3 Day 7 Year 12

Transporter 2 Printed/Typed Name | Signature | Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name | Signature | Month Day Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

ARRIVED DATE	PROFILE NUMBER	NET WEIGHT (LBS)	MANIFEST #	RECEIPT #
12/08/11	108338NY	33280.00	00RGVR0002	081649346
	TOTAL	33280.00		
12/09/11	108338NY	30380.00	0RO-VR0002	081649374
	TOTAL	30380.00		
12/12/11	108338NY	32200.00	0081649411	081649412
	TOTAL	32200.00		
12/13/11	108338NY	30240.00	0081649447	081649447
	108338NY	60000.00	0081649493	081649493
	TOTAL	90240.00		
12/14/11	108338NY	21240.00	0081649499	081649499
	108338NY	66940.00	0081649531	081649531
	TOTAL	88180.00		
12/15/11	108338NY	27800.00	0081649547	081649547
	108338NY	47160.00	0081649583	081649583
	TOTAL	74960.00		
12/16/11	108338NY	20860.00	0081649592	081649592
	TOTAL	20860.00		
	TOTAL	370100.00		

* * * E N D O F R E P O R T * * *

1150 Penfield Road
Rochester, NY 14625
Phone (585) 381-7010
Fax (585) 381-0208

Dolomite Products Co.
Rochester Asphalt Materials
Northrup Materials
Manitou Construction
Iroquois Rock Products

Fax

To: Dan Dell **From:** L. La Smith

Fax: 454-3016 **Pages:** 2

Date: 11/30/11

Message:

Here is the certification for our Meridon location with recent test results and some average gradations. The #1 gravel would be the closest item we have to Pea gravel. If you have additional questions, please call me @ 943-7935.

THE DOLOMITE GROUP

DOLOMITE PRODUCTS COMPANY, INC
MANITOU CONSTRUCTION COMPANY, INC
ROCHESTER ASPHALT MATERIALS
IROQUOIS ROCK PRODUCTS
NORTHRUP MATERIALS

THE DOLOMITE GROUP

1150 Penfield Rd.
Rochester, NY 14625
Phone: 585-381-7010
Fax : 585-381-0208

DATE: 11/29/11
PAGE: 1 of 1
FAX: 454-3066

TO: Dan Noll
OF: LaBella Associates
FAX: 454-3066

PROJECT: 690 St. Paul St.
Rochester, NY

DOLOMITE MENDON PLANT
DEC Permit #: 8053-30-0267

NYSDOT Source #: 4-60F/4-60G
Current NYSDOT Test #: 10 AF 118/10 AG 33C

This is to certify that the Crushed Gravel and Gravel to be used on the above referenced project will be produced in accordance with the most current New York State Department of Transportation's, "Standard Specifications" and Addenda. All stone properties conform to sections 703.0201, 203, 304, 605 and 620 of the Specification. Specific values are listed below.

PROPERTY	VALUE	SPEC.
Mag. Sulfate Loss	4	18 max.
LA Abrasion Loss	23	35 max.
Flat and Elongated Pieces - 3:1	5	30 max.
5:1	0	10 max.
Crushed Particles	100	n.a.
Deleterious Materials	0	2 max.

TYPICAL GRADATIONS (All Values are % Passing)

SIEVE SIZE	TYPE 1 FILL	NYSDOT 703.06	1A GRAVEL	#1 GRAVEL	#2 GRAVEL Washed	#1 and #2 MIXTURE
4" (100 mm)						
2" (50)	100					
1 1/2" (37.5)					100	
1" (25)	100	100		100	98	100
1/2" (12.5)			100	91	9	40
1/4" (6.3)	65	100	90	6		2
1/8"			4			
#40 (0.425)	18					
#50 (0.300)		10.5				
#100 (.150)		2.7				
#200 (0.075)	4.2		.6	.5	0.7	0.3
Typical Item Numbers	203.07 Item 4	703.06 Cushion sand		605.0901		605.1001

Signed By: Lila L. Smith Lila L. Smith - Sales Representative

INVOICE



Invoice Number: [illegible]

Invoice Date: November 13, 201

Page: 1

575 Lyell Avenue, Rochester, New York 14606
Phone (585) 254-7010 *Fax* (585) 254-7385
rvainfo@ frontiernet.net

Bill To:
Des Patch Properties, Inc.
PO Box 310
E Rochester, NY 14445

Phone:
Fax:

Customer ID	Purchase Order Number	Payment Terms	Due Date
99DES06	690 ST PAUL	Net 15 Days	11/28/11

Quantity	Item	Description	Item Price	Amount
16.03	TONS	11-11-11 - DOLOMITE GATES - CR-2	4.50	72.14

Subtotal	72.14
Sales Tax	
Total Invoice Amount	72.14
Payment/Credit Applied	
TOTAL	**72.14**

Check/Credit Memo:

Thank you for your business!

MAR-27-2012 11:20 From:RVA Ind. Trucking 5852547385 To:2325509 Page:7/10

INVOICE



Invoice Number: 24104
Invoice Date: December 18, 201
Page: 1

575 Lyell Avenue, Rochester, New York 14606
Phone (585) 254-7010 *Fax* (585) 254-7385
rvainfo@frontiernet.net

Bill To:
Des Patch Properties, Inc.
PO Box 310
E Rochester, NY 14445

Phone:
Fax:

Customer ID	Purchase Order Number	Payment Terms	Due Date
99DES06	690 ST PAUL	Net 15 Days	1/2/12

Quantity	Item	Description	Item Price	Amount
86.75	TONS	12-14-11 - DOLOMITE MENDON - #2 ROUND	6.75	585.56
2.00	HOURS	12-16-11 - HOURLY	80.00	160.00
150.09	TONS	12-16-11 - ELAM SAND - FILL SAND	7.25	1,088.15

Subtotal	1,833.71
Sales Tax	
Total Invoice Amount	1,833.71
Payment/Credit Applied	
TOTAL	1,833.71

Check/Credit Memo:

Thank you for your business!

MAR-27-2012 11:18 From:RVA Ind. Trucking 5852547385 To:2325509 Page:1/10

No. 103220

R A INDEPENDENT TRUCKING ASSOCIATES INC

575 Lyell Avenue, Rochester, New York 14606, *phone* **585.254.7010** *fax* **585.254.7385**

DATE 12-14-11 P.O. NO.

CUSTOMER DISPATCH PROP

JOB SITE 690 ST PAUL

TRUCKER Dan Stynus TRUCK NO. 116

ITEM	TICKET NO.	PLANT	QUANTITY
#2 WASHED STONE	52015633	Dolomite Holdout	21.68
	52015635		21.93
	52015638		21.59
	52015641		21.55
		TOTAL	

TERMS: Net 30 days. Seller shall be entitled to interest at the rate of 1.5% for each month or part thereof on any amount remaining unpaid after 15 days. If Seller must sue to recover any unpaid amounts, it shall be entitled to recover from customer reasonable attorney's fee in an amount not to exceed 20% of the amount found owing. Trucker, by its driver, hereby agrees to indemnify seller, its agents, representative and employees (thereinafter "seller"), and to otherwise hold seller harmless (1) from any and all liability for claims, for personal injury or property damage asserted against seller arising from, or in any way related to, the means or manner in which trucker's vehicle was loaded and/or the amount of material loaded on trucker's vehicle, and (2) from any and all expenses, including attorneys' fees arising from or associated with investigation and/or defense of such claims. We assume no responsibility for delivery beyond the curb when authorized to drive beyond by customer or his agent. I have read the foregoing terms and my signature on this form reflects acceptance of them.

TIME IN _____ TIME OUT _____

LUNCH HOUR ☐ YES ☐ NO TRUCKING HOURS _____

CUSTOMER SIGNATURE _____

White Copy **Office** *Yellow Copy* **Customer** *Pink Copy* **Trucker**

MAR-27-2012 11:18 From:RVA Ind. Trucking 5852547385 To:23255509 Page:3/10

No. 102198

RVA INDEPENDENT TRUCKING ASSOCIATES INC

575 Lyell Avenue, Rochester, New York 14606. *phone* **585.254.7010** *fax* **585.254.7385**

DATE 11-11-2011 P.O. NO. ____

CUSTOMER Dig Patch Properties

JOB SITE Manitou St.

TRUCKER Scott TRUCK NO. 53

ITEM	TICKET NO.	PLANT	QUANTITY
CR-2	1133558	Gates	16.03
		TOTAL	

TERMS. Net 30 days. Seller shall be entitled to interest at the rate of 1.5% for each month or part thereof on any amount remaining unpaid after 15 days. If Seller must sue to recover any unpaid amounts, it shall be entitled to recover from customer reasonable attorney's fee in an amount not to exceed 20% of the amount found owing. Trucker, by its driver, hereby agrees to indemnify seller, its agents, representative and employees (hereinafter "seller") and to otherwise hold seller harmless (1) from any and all liability for claims, for personal injury or property damage asserted against seller arising from, or in any way related to, the means or manner in which trucker's vehicle was loaded and/or the amount of material loaded on trucker's vehicle, and (2) from any and all expenses, including attorneys' fees, arising from or associated with investigation and/or defense of such claims. We assume no responsibility for delivery beyond the curb when authorized to drive beyond by customer or his agent. I have read the foregoing terms and my signature on this form reflects acceptance of them.

TIME IN ____ TIME OUT ____

LUNCH HOUR ☐ YES ~~NO~~ TRUCKING HOURS ____

CUSTOMER SIGNATURE ____

White Copy **Office** *Yellow Copy* **Customer** *Pink Copy* **Trucker**

MAR-27-2012 11:20 From:RVA Ind. Trucking 5852547385 To:23255509 Page:9/10

No. 104103

RVA INDEPENDENT TRUCKING ASSOCIATES INC

575 Lyell Avenue. Rochester, New York 14606. *phone* **585.254.7010** *fax* **585.254.7385**

DATE 12-16-11 P.O. NO. _____

CUSTOMER Dispatch Properties

JOB SITE 690 st paul st

TRUCKER 4 TRUCK NO. 117

ITEM	TICKET NO.	PLANT	QUANTITY
EXV			
2hr			
		TOTAL	

TERMS: Net 30 days. Seller shall be entitled to interest at the rate of 1.5% for each month or part thereof on any amount remaining unpaid after 15 days. If Seller must sue to recover any unpaid amounts, it shall be entitled to recover from customer reasonable attorney's fee in an amount not to exceed 20% of the amount found owing. Trucker, by its driver, hereby agrees to indemnify seller, its agents representative and employees (thereinafter "seller") and to otherwise hold seller harmless (1) from any and all liability for claims, for personal injury or property damage asserted against seller arising from, or in any way related to, the means or manner in which trucker's vehicle was loaded and/or the amount of material loaded on trucker's vehicle, and (2) from any and all expenses, including attorneys' fees, arising from or associated with investigation and/or defense of such claims. We assume no responsibility for delivery beyond the curb when authorized to drive beyond by customer or his agent. I have read the foregoing terms and my signature on this form reflects acceptance of them.

TIME IN _____ TIME OUT _____

LUNCH HOUR ☐ YES ☒ NO TRUCKING HOURS _____

CUSTOMER SIGNATURE _____

White Copy **Office** *Yellow Copy* **Customer** *Pink Copy* **Trucker**

MAR-27-2012 11:19 From:RVA Ind. Trucking 5852547385 To:23255509 Page:5/10

BAKER

RVA INDEPENDENT TRUCKING ASSOCIATES INC

No. 104102

575 Lyell Avenue. Rochester. New York 14606. *phone* **585.254.7010** *fax* **585.254.7385**

DATE 12-16-11 P.O. NO. _____

CUSTOMER Dispatch Properties

JOB SITE 690 st paul st

TRUCKER al TRUCK NO. 117

ITEM	TICKET NO.	PLANT	QUANTITY
Fill Sand	5083860	Elam	21.34
Fill sand	5083863	Elan	20.15
Fill sand	5083869	Elan	21.06
		TOTAL	

TERMS: Net 30 days. Seller shall be entitled to interest at the rate of 1.5% for each month or part thereof on any amount remaining unpaid after 15 days. If Seller must sue to recover any unpaid amounts, it shall be entitled to recover from customer reasonable attorney's fee in an amount not to exceed 20% of the amount found owing. Trucker by its driver, hereby agrees to indemnify seller, its agents, representative and employees (thereinafter "seller") and to otherwise hold seller harmless (1) from any and all liability for claims, for personal injury or property damage asserted against seller arising from, or in any way related to, the means or manner in which trucker's vehicle was loaded and/or the amount of material loaded on trucker's vehicle, and (2) from any and all expenses, including attorneys' fees, arising from or associated with investigation and/or defense of such claims. We assume no responsibility for delivery beyond the curb when authorized to drive beyond by customer or his agent. I have read the foregoing terms and my signature on this form reflects acceptance of them

TIME IN _____ TIME OUT _____

LUNCH HOUR ☐ YES ☐ NO TRUCKING HOURS _____

CUSTOMER SIGNATURE _____

White Copy **Office** *Yellow Copy* **Customer** *Pink Copy* **Trucker**

No.101798

RVA INDEPENDENT TRUCKING ASSOCIATES INC

575 Lyell Avenue. Rochester. New York 14606, *phone* **585.254.7010** *fax* **585.254.7385**

DATE 12-16-11 P.O. NO. _____

CUSTOMER Dispatch Properties

JOB SITE ST. PAUL

TRUCKER Bill TRUCK NO. 115

ITEM	TICKET NO.	PLANT	QUANTITY
	5086901		21.99
Fill SAND	5085364		21.26
		TOTAL	

TERMS: Net 30 days. Seller shall be entitled to interest at the rate of 1.5% for each month or part thereof on any amount remaining unpaid after 15 days. If Seller must sue to recover any unpaid amounts, it shall be entitled to recover from customer reasonable attorney's fee in an amount not to exceed 20% of the amount found owing. Trucker, by its driver, hereby agrees to indemnify seller, its agents, representative and employees (thereinafter "seller"), and to otherwise hold seller harmless (1) from any and all liability for claims, for personal injury or property damage asserted against seller arising from, or in any way related to, the means or manner in which trucker's vehicle was loaded and/or the amount of material loaded on trucker's vehicle and (2) from any and all expenses, including attorneys' fees, arising from or associated with investigation and/or defense of such claims. We assume no responsibility for delivery beyond the curb when authorized to drive beyond by customer or his agent. I have read the foregoing terms and my signature on this form reflects acceptance of them.

TIME IN _____ TIME OUT _____

LUNCH HOUR ☐ YES ☐ NO TRUCKING HOURS _____

CUSTOMER SIGNATURE _____

White Copy **Office** *Yellow Copy* **Customer** *Pink Copy* **Trucker**

No. 098948

575 Lyell Avenue, Rochester, New York 14606, *phone* **585.254.7010** *fax* **585.254.7385**

DATE 12-16-11 P.O. NO. _____

CUSTOMER DESPATCH PROPERTIES

JOB SITE 670 ST PAUL

TRUCKER RVA TRUCK NO. 118

ITEM	TICKET NO.	PLANT	QUANTITY
SAND	5085369	Bloom Field	22.84
"	5083882	"	21.45

TOTAL

TERMS: Net 30 days Seller shall be entitled to interest at the rate of 1.5% for each month or part thereof on any amount remaining unpaid after 15 days. If Seller must sue to recover any unpaid amounts, it shall be entitled to recover from customer reasonable attorney's fee in an amount not to exceed 20% of the amount found owing. Trucker, by its driver, hereby agrees to indemnify seller, its agents, representative and employees (thereinafter "seller"), and to otherwise hold seller harmless (1) from any and all liability for claims, for personal injury or property damage asserted against seller arising from, or in any way related to, the means or manner in which trucker's vehicle was loaded and/or the amount of material loaded on trucker's vehicle, and (2) from any and all expenses, including attorneys' fees, arising from or associated with investigation and/or defense of such claims. We assume no responsibility for delivery beyond the curb when authorized to drive beyond by customer or his agent. I have read the foregoing terms and my signature on this form reflects acceptance of them

TIME IN _____ TIME OUT _____

LUNCH HOUR ☐ YES ☐ NO TRUCKING HOURS _____

CUSTOMER SIGNATURE _____

White Copy **Office** *Yellow Copy* **Customer** *Pink Copy* **Trucker**

ELAM
SAND & GRAVEL

8222 Routes 5 & 20
P.O. Box 65 - West Bloomfield, NY 14585
(585) 657-8001

Est. 1892
"100 Years of Quality and Service"

AGGREGATE TICKET NO. 5063869

GROSS	74700 lb	Scale 5	DATE	12/16/11
TARE	28920 lb	STORED		
NET	45680 lb	0.00 tn	TIME	7:17 am
	22.84 tn	Metric Tons 20.72		

LOAD NO 1 Tons 22.84 ORDER NO. P11D1506

SIGNATURE - BEFORE SIGNING SEE TERMS & CONDITIONS ON REVERSE SIDE

SOLD TO: [redacted]

DELIVER TO:

PIT

PRODUCT FILLSN FILL SAND PER TON

TRUCKER: RVA118 RVA INDEPENDENT TRUCKING

UNIT	NET PRICE	TOTAL 0
		WEIGHMAN PB05

INVOICE COPY SEE REVERSE FOR TERMS & CONDITIONS

ELAM
SAND & GRAVEL

8222 Routes 5 & 20
P.O. Box 65 - West Bloomfield, NY 14585
(585) 657-8001

Est. 1892
"100 Years of Quality and Service"

AGGREGATE TICKET NO. 5063860

GROSS	71100 lb	Scale 5	DATE	12/16/11
TARE	28420 lb	STORED		
NET	42680 lb	0.00 tn	TIME	7:20 am
	21.34 tn	Metric Tons 19.36		

LOAD NO 2 Tons 44.19 ORDER NO. P11D1505

SIGNATURE - BEFORE SIGNING SEE TERMS & CONDITIONS ON REVERSE SIDE

SOLD TO: [redacted]

DELIVER TO:

PIT

PRODUCT FILLSN FILL SAND PER TON

TRUCKER: RVA117 RVA INDEPENDENT TRUCKING

UNIT	NET PRICE	TOTAL 0
		WEIGHMAN PB05

INVOICE COPY SEE REVERSE FOR TERMS & CONDITIONS

8222 Routes 5 & 20
P.O. Box 65 - West Bloomfield, NY 14585
(585) 657-8001

Est. 1892
"100 Years of Quality and Service"

ELAM SAND & GRAVEL

AGGREGATE TICKET NO. 5003981

GROSS 72890 lb Scale 6
TARE 29690 lb STORED
NET 43280 lb 0.00 lb
21.69 tn Metric Tons 19.85

DATE 12/19/11
TIME 7:25 am

LOAD NO. 3 Tons 86.17 ORDER NO. P11DIS03

SIGNATURE - BEFORE SIGNING SEE TERMS & CONDITIONS ON REVERSE SIDE

SOLD TO: [redacted]
DELIVER TO:
PIT

PRODUCT FILLSTN FILL SAND PER TON
TRUCKER: RVA115 RVA INDEPENDENT TRUCKING

UNIT	NET PRICE	TOTAL
		WEIGHMAN PB05

INVOICE COPY SEE REVERSE FOR TERMS & CONDITIONS

8222 Routes 5 & 20
P.O. Box 65 - West Bloomfield, NY 14585
(585) 657-8001

Est. 1892
"100 Years of Quality and Service"

ELAM SAND & GRAVEL

AGGREGATE TICKET NO. 5003982

GROSS 71920 lb Scale 6
TARE 29020 lb STORED
NET 42900 lb 0.00 lb
21.45 tn Metric Tons 19.46

DATE 12/19/11
TIME 9:13 am

LOAD NO. 4 Tons 87.82 ORDER NO. P11DIS05

SIGNATURE - BEFORE SIGNING SEE TERMS & CONDITIONS ON REVERSE SIDE

SOLD TO: [redacted]
DELIVER TO:
PIT

PRODUCT FILLSTN FILL SAND PER TON
TRUCKER: RVA119 RVA INDEPENDENT TRUCKING

UNIT	NET PRICE	TOTAL
		WEIGHMAN PB05

INVOICE COPY SEE REVERSE FOR TERMS & CONDITIONS

[redacted]

ELAM
SAND & GRAVEL

8222 Routes 5 & 20
P.O. Box 65 - West Bloomfield, NY 14585
(585) 657-8031

Est. 1892
"100 Years of Quality and Service"

AGGREGATE TICKET NO. 5083583

GROSS 68720 lb Scale 6
TARE 28420 lb STORED
NET 40300 lb 0.00 tn
26.16 tn Metric Tons 18.23

DATE 12/16/11
TIME 9:15 am

LOAD NO 5 Tons 107.77 ORDER NO. P11DS33

SIGNATURE - BEFORE SIGNING SEE TERMS & CONDITIONS ON REVERSE SIDE

SOLD TO: [redacted]
DELIVER TO:
PIT

PRODUCT FILLSTN FILL SAND PER TON

TRUCKER RVA117 RVA INDEPENDENT TRUCKING

UNIT	NET PRICE	TOTAL 0
		WEIGHMAN PB05

INVOICE COPY

SEE REVERSE FOR TERMS & CONDITIONS

ELAM
SAND & GRAVEL

8222 Routes 5 & 20
P.O. Box 65 - West Bloomfield, NY 14585
(585) 657-8031

Est. 1892
"100 Years of Quality and Service"

AGGREGATE TICKET NO. 5083864

GROSS 71420 lb Scale 5
TARE 28680 lb STORED
NET 42020 lb 0.00 tn
21.28 tn Metric Tons 19.28

DATE 12/16/11
TIME 9:20 am

LOAD NO 6 Tons 125.03 ORDER NO. P11DS30

SIGNATURE - BEFORE SIGNING SEE TERMS & CONDITIONS ON REVERSE SIDE

SOLD TO: [redacted]
DELIVER TO:
PIT

PRODUCT FILLSTN FILL SAND PER TON

TRUCKER RVA116 RVA INDEPENDENT TRUCKING

UNIT	NET PRICE	TOTAL 0
		WEIGHMAN PB05

INVOICE COPY

SEE REVERSE FOR TERMS & CONDITIONS

8222 Routes 5 & 20
P.O. Box 65 - West Bloomfield, NY 14585
(585) 657-8061
Est. 1992
"100 Years of Quality and Service"

SAND & GRAVEL

AGGREGATE TICKET NO. 5083660

DATE 12/16/11

TIME 12:21 pm

ORDER NO. PO10536

GROSS 78540 lb Scale 5

TARE 28020 lb STICKED

NET 42120 lb 0.00 Tn

21.06 tn Metric Tons 18.11

LOAD NO 7 Tons 100.00

SIGNATURE - BEFORE SIGNING SEE TERMS & CONDITIONS ON REVERSE SIDE

SIGNATURE - BEFORE SIGNING SEE TERMS & CONDITIONS ON REVERSE SIDE

SOLD TO:

DELIVER TO:

PIT

PRODUCT FILL STN FILL SAMPLER TON

TRUCKER RVA1187 RVA INDEPENDENT TRUCKING

UNIT	NET PRICE	TOTAL	0
		WEIGHMAN	PISOB

INVOICE COPY

SEE REVERSE FOR TERMS & CONDITIONS

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NYR000080754

Manifest Document No. 17943

2. Page 1 of 1

3. Generator's Name and Mailing Address
Genesee Valley Real Estate
690 Saint Paul Street
Rochester, NY 14605

4. Generator's Phone (585) 232-5500

5. Transporter 1 Company Name
OP-TECH Environmental Services, Inc.

6. US EPA ID Number
NYD986980753

A. State Transporter's ID 6A-166

B. Transporter 1 Phone 800-225-6730

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
~~CWM Chemical Services, LLC~~ Covanta
~~1550 Balmer Road~~ 100 Energy Blvd.
~~Model City, NY 14107~~ L.F. Niagara Falls, NY 14304

10. US EPA ID Number
~~NYD980536543~~
~~NYD049836679~~

E. State Facility's ID

F. Facility's Phone ~~716-278-8509~~ ~~716-754-8231~~ c.h.

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non RCRA, NON DOT Regulated liquid (water)	6	DM	1950 # (est)	P
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
approval #: 7603
Job #: RGVR0003

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: John Baker | Signature | Date: Month 2 Day 22 Year 12

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Will Sablack | Signature | Date: Month 2 Day 23 Year 12

18. Transporter 2 Acknowledgement of Receipt of Materials

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

19. Discrepancy Indication Space
Designated facility was changed c.h.

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

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

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE

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LaBella Associates, P.C.
300 State Street
Rochester, New York 14614

Appendix D

Field Logs

LABELLA Associates, P.C.
300 STATE STREET, ROCHESTER, NY
PH: (585) 454-6110 FAX: (585) 454-3066

GROUNDWATER SAMPLING FORM

WELL I.D. BW-09

Project Name: 690 Saint Paul Street
Project No.: 209280
Location: 690 Saint Paul Street, Rochester, NY
Sampled By: Jennifer Gillen
Date: January 20, 2012
Weather:

PURGE VOLUME CALCULATION

Well Diameter: 4.0 -Inch
Static Water Level: 7.01 -Feet
Depth of Well: 11.25 -Feet
Single Well Volume: 2.77 -Gallons

PURGE & SAMPLING METHOD

☐ Bailer - Type:
☐ Pump - Type
Sampling Device:
Pump Rate:

FIELD PARAMETER MEASUREMENTS

Time	Gallons Purged	pH	Temp (oC)	Conductivity (mS/cm)	Turbidity (NTU)		Comments
13:10	5	7.65	8.3	1.27	50.5		Color = Clear
14:10	9	7.71	7.5	1.150	50.9		LNAPL or DNAPL observed = No
							Odor?: No
							Sheen?: No

Total Gallons Purged
Purge Start Time:
Purge End Time:

WELL SAMPLING

Sample I.D. NA
Sample Time:
No. of Containers:
Sample Preservation:

Sampled For:
☐ VOCs - 8260B TCL + STARS
☐ STARS VOCs Only - Method 8260B
☐ Pesticides
☐ SVOCs - 8270C STARS
☐ ~~Total /~~ Dissolved TAL Metals
☐ PCBs

OBSERVATIONS:

Well Volume (1" well) = 0.0408-gal/ft.	Well Volume (4" well) = 0.65-gal/ft.
Well Volume (2" well) = 0.163-gal/ft.	

LABELLA Associates, P.C.
300 STATE STREET, ROCHESTER, NY
PH: (585) 454-6110 FAX: (585) 454-3066

GROUNDWATER SAMPLING FORM

WELL I.D. BW-10

Project Name: 690 Saint Paul Street
Project No.: 209280
Location: 690 Saint Paul Street, Rochester, NY
Sampled By: Jennifer Gillen
Date: January 20, 2012
Weather:

PURGE VOLUME CALCULATION

Well Diameter: 4.0 -Inch
Static Water Level: 5.44 -Feet
Depth of Well: 11.42 -Feet
Single Well Volume: 3.89 -Gallons

PURGE & SAMPLING METHOD

☐ Bailer - Type:
☐ Pump - Type
Sampling Device:
Pump Rate:

FIELD PARAMETER MEASUREMENTS

Time	Gallons Purged	pH	Temp (oC)	Conductivity (mS/cm)	Turbidity (NTU)		Comments
11:15	20	7.64	5.2	1.30	28.5		Color = Clear
12:50	35	7.47	5.0	1.27	19.3		LNAPL or DNAPL observed = No
							Odor?: No
							Sheen?: No

Total Gallons Purged
Purge Start Time:
Purge End Time:

WELL SAMPLING

Sample I.D. NA
Sample Time:
No. of Containers:
Sample Preservation:

Sampled For:
☐ VOCs - 8260B TCL + STARS
☐ STARS VOCs Only - Method 8260B
☐ Pesticides
☐ SVOCs - 8270C STARS
☐ ~~Total /~~ Dissolved TAL Metals
☐ PCBs

OBSERVATIONS:

Well Volume (1" well) = 0.0408-gal/ft.	Well Volume (4" well) = 0.65-gal/ft.
Well Volume (2" well) = 0.163-gal/ft.	

LABELLA Associates, P.C.
300 STATE STREET, ROCHESTER, NY
PH: (585) 454-6110 FAX: (585) 454-3066

GROUNDWATER SAMPLING FORM

WELL I.D. BW-11

Project Name: 690 Saint Paul Street
Project No.: 209280
Location: 690 Saint Paul Street, Rochester, NY
Sampled By: Jennifer Gillen
Date: January 20, 2012
Weather:

PURGE VOLUME CALCULATION

Well Diameter: 4.0 -Inch
Static Water Level: 3.64 -Feet
Depth of Well: 7.06 -Feet
Single Well Volume: 2.22 -Gallons

PURGE & SAMPLING METHOD

☐ Bailer - Type:
☐ Pump - Type
Sampling Device:
Pump Rate:

FIELD PARAMETER MEASUREMENTS

Time	Gallons Purged	pH	Temp (oC)	Conductivity (mS/cm)	Turbidity (NTU)		Comments
10:50	1	8.16	6.3	1.06	25.4		Color = Clear
13:42	10	7.71	4.6	0.97	21.0		LNAPL or DNAPL observed = No
							Odor?: No
							Sheen?: No

Total Gallons Purged
Purge Start Time:
Purge End Time:

WELL SAMPLING

Sample I.D. NA
Sample Time:
No. of Containers:
Sample Preservation:

Sampled For:
☐ VOCs - 8260B TCL + STARS
☐ SVOCs - 8270C STARS
☐ STARS VOCs Only - Method 8260B
☐ ~~Total /~~ Dissolved TAL Metals
☐ Pesticides
☐ PCBs

OBSERVATIONS:

Well Volume (1" well) = 0.0408-gal/ft.	Well Volume (4" well) = 0.65-gal/ft.
Well Volume (2" well) = 0.163-gal/ft.	

LABELLA Associates, P.C.
300 STATE STREET, ROCHESTER, NY
PH: (585) 454-6110 FAX: (585) 454-3066

GROUNDWATER SAMPLING FORM

WELL I.D. BW-12

Project Name: 690 Saint Paul Street
Project No.: 209280
Location: 690 Saint Paul Street, Rochester, NY
Sampled By: Jennifer Gillen
Date: January 20, 2012
Weather:

PURGE VOLUME CALCULATION

Well Diameter: 4.0 -Inch
Static Water Level: 3.84 -Feet
Depth of Well: 8.06 -Feet
Single Well Volume: 2.74 -Gallons

PURGE & SAMPLING METHOD

☐ Bailer - Type:
☐ Pump - Type
Sampling Device:
Pump Rate:

FIELD PARAMETER MEASUREMENTS

Time	Gallons Purged	pH	Temp (oC)	Conductivity (mS/cm)	Turbidity (NTU)		Comments
12:45	24	8.03	6.0	1.00	14.3		Color = Slightly cloudy
							LNAPL or DNAPL observed = No
							Odor?: No
							Sheen?: No

Total Gallons Purged
Purge Start Time:
Purge End Time:

WELL SAMPLING

Sample I.D. NA
Sample Time:
No. of Containers:
Sample Preservation:

Sampled For:
☒ VOCs - 8260B TCL + STARS
☐ SVOCs - 8270C STARS
☐ STARS VOCs Only - Method 8260B
☐ ~~Total /~~ Dissolved TAL Metals
☐ Pesticides
☐ PCBs

OBSERVATIONS:

Well Volume (1" well) = 0.0408-gal/ft.	Well Volume (4" well) = 0.65-gal/ft.
Well Volume (2" well) = 0.163-gal/ft.	

LABELLA Associates, P.C.
300 State Street
Rochester, New York 14614
Telephone: (585) 454-6110
Facsimile: (585) 454-3066

WELL I.D.: BW-09

Project Name: IRM: AOC #1 – Former Oil House
Location: 690 St. Paul Street, Rochester, NY
Project No.: 209280
Sampled By: J. Gillen
Date: February 22, 2012
Weather: Clear/scattered rain and hail showers, approximately 40 degrees F

WELL SAMPLING INFORMATION

Well Diameter: 4”
Depth of Well: 11.25’
Measuring Point: PVC Casing
Pump Type: Bladder
Static Water Level: 6.35’
Length of Well Screen:
Depth to Top of Pump: 9’
Tubing Type:

FIELD PARAMETER MEASUREMENT

Time	Pump Rate (cycle/min)	Gallons Purged	pH	Temp °C	Conductivity (µS/cm)	Turbidity (NTU)	Dissolved O_2 (mg/L)	Redox (mV)	Depth to Water (feet)	Comments
			+/- 0.1		+/- 3%		+ 10%	+/- 10 mV		
11:02	3	0	7.79	6.7	0.78	6.74	4.82	-6.1	6.30	
11:08	3	0.25	7.89	6.6	0.79	6.26	6.93	-6.05	6.59	
11:15	3	0.75	7.91	6.6	0.79	5.77	7.25	-70.3	6.86	
11:20	1	1.0	7.94	6.6	0.79	5.01	7.04	-72.3	6.99	
11:25	1	1.15	7.94	6.5	0.79	4.98	7.09	-72.5	7.01	

Total 1.15 Gallons Purged

Purge Time Start: 11:02
Purge Time End: 11:25
Final Static Water Level: 7.01 feet

OBSERVATIONS

Notes:

LABELLA Associates, P.C.
300 State Street
Rochester, New York 14614
Telephone: (585) 454-6110
Facsimile: (585) 454-3066

WELL I.D.: BW-11

Project Name: IRM: AOC #1 – Former Oil House
Location: 690 St. Paul Street, Rochester, NY
Project No.: 209280
Sampled By: J. Gillen
Date: February 22, 2012
Weather: Clear/scattered rain and hail showers, approximately 40 degrees F

WELL SAMPLING INFORMATION

Well Diameter: 4”
Depth of Well: 7.06’
Measuring Point: Top of casing
Pump Type: Bladder

Static Water Level: 3.20’
Length of Well Screen:
Depth to Top of Pump: 5.5’
Tubing Type:

FIELD PARAMETER MEASUREMENT

Time	Pump Rate (cycle/min)	Gallons Purged	pH	Temp °C	Conductivity (µS/cm)	Turbidity (NTU)	Dissolved O_2 (mg/L)	Redox (mV)	Depth to Water	Comments
			+/- 0.1		+/- 3%		+ 10%	+/- 10 mV		
9:15	2	0	7.78	5.3	1.11	12.3	3.97	181.4	3.40	
9:25	3	0.33	7.78	5.2	1.03	8.94	4.12	171.2	3.49	
9:32	3	0.75	7.78	4.9	0.92	6.20	4.51	159.3	3.70	
9:39	2	1	7.79	4.8	0.88	5.30	4.64	155.2	3.71	
9:45	2	1.5	7.80	4.7	0.88	4.60	5.02	151.9	3.55	
9:50	2	1.75	7.78	4.7	0.88	3.80	4.67	151.0	3.72	
9:55	2	2	7.77	4.7	0.89	3.16	4.61	149.8	3.68	
10:00	2	2.25	7.77	4.7	0.89	3.25	4.57	148.2	3.65	
10:07	2	2.40	7.77	4.8	0.90	3.25	4.41	146.5	3.64	

Total 2.40 Gallons Purged

Purge Time Start: 9:10 Purge Time End: 10:10 Final Static Water Level: 3.64’

OBSERVATIONS

Notes:

LABELLA Associates, P.C.
300 State Street
Rochester, New York 14614
Telephone: (585) 454-6110
Facsimile: (585) 454-3066

WELL I.D.: BW-12 (Sheet ½)

Project Name: IRM: AOC #1 – Former Oil House
Location: 690 St. Paul Street, Rochester, NY
Project No.: 209280
Sampled By: J. Gillen
Date: February 22, 2012
Weather: Clear/scattered rain and hail showers, approximately 40 degrees F

WELL SAMPLING INFORMATION

Well Diameter: 4”
Depth of Well: 8.06’
Measuring Point: PVC Casing
Pump Type: Bladder
Static Water Level: 3.60’
Length of Well Screen:
Depth to Top of Pump: 4.8’
Tubing Type:

FIELD PARAMETER MEASUREMENT

Time	Pump Rate (cycle/min)	Gallons Purged	pH	Temp °C	Conductivity (µS/cm)	Turbidity (NTU)	Dissolved O_2 (mg/L)	Redox (mV)	Depth to Water (feet)	Comments
			+/- 0.1		+/- 3%		+ 10%	+/- 10 mV		
13:35	2	0	8.55	3.6	0.642	662 AU	7.39	50.5	3.69	
13:40	1	0.15	8.53	3.7	0.639	664 AU	7.29	53.0	3.78	
13:47	1	0.25	8.61	3.6	0.591	688 AU	7.88	53.8	3.82	
13:54	1	0.30	8.69	3.4	0.480	209	7.85	53.5	3.83	
13:59	1	0.33	8.78	3.4	0.479	206	7.84	52.3	3.83	
14:05	1	0.45	8.86	3.4	0.431	181	7.84	51.1	3.83	
14:15	1	1	8.91	3.3	0.387	170	7.39	52.8	3.82	
14:20	1	1.15	8.92	3.3	0.374	155	7.35	53.0	3.83	
14:25	1	1.25	8.92	3.3	0.361	136	7.11	53.4	3.83	
14:33	1	1.75	8.92	3.3	0.351	124	6.95	52.9	3.83	
14:38	1	2.0	8.94	3.4	0.348	116	6.85	52.6	3.83	
14:45	1	2.35	8.94	3.4	0.343	99.0	6.78	52.5	3.84	
14:50	1	2.5	8.92	3.4	0.343	86.3	6.34	53.1	3.84	
14:55	1	2.6	8.90	3.4	0.345	81.8	6.28	53.4	3.84	
15:00	1	2.75	8.88	3.4	0.347	74.7	6.26	53.7	3.84	

Total _____ Gallons Purged

Purge Time Start: _____ Purge Time End: _____ Final Static Water Level: _____

OBSERVATIONS

Notes:

LABELLA Associates, P.C.
300 State Street
Rochester, New York 14614
Telephone: (585) 454-6110
Facsimile: (585) 454-3066

WELL I.D.: BW-12 (Sheet 2/2)

Project Name: IRM: AOC #1 – Former Oil House
Location: 690 St. Paul Street, Rochester, NY
Project No.: 209280
Sampled By: J. Gillen
Date: February 22, 2012
Weather: Clear/scattered rain and hail showers, approximately 40 degrees F

WELL SAMPLING INFORMATION

Well Diameter: 4”
Depth of Well: 8.06’
Measuring Point: PVC Casing
Pump Type: Bladder
Static Water Level: 3.60’
Length of Well Screen:
Depth to Top of Pump: 4.8’
Tubing Type:

FIELD PARAMETER MEASUREMENT

Time	Pump Rate (cycle/min)	Gallons Purged	pH	Temp °C	Conductivity (µS/cm)	Turbidity (NTU)	Dissolved O_2 (mg/L)	Redox (mV)	Depth to Water (feet)	Comments
			+/- 0.1		+/- 3%		+ 10%	+/- 10 mV		
15:05	1	2.8	8.86	3.4	0.352	70.3	5.90	54.2	3.84	
15:10	1	2.95	8.85	3.4	0.364	61.9	5.63	53.5	3.84	
15:15	1	3	8.85	3.4	0.365	58.8	5.60	53.6	3.84	
15:20	1	3.15	8.84	3.4	0.366	62.1	5.61	53.7	3.84	

Total _____ Gallons Purged

Purge Time Start: _____ Purge Time End: _____ Final Static Water Level: _____

OBSERVATIONS

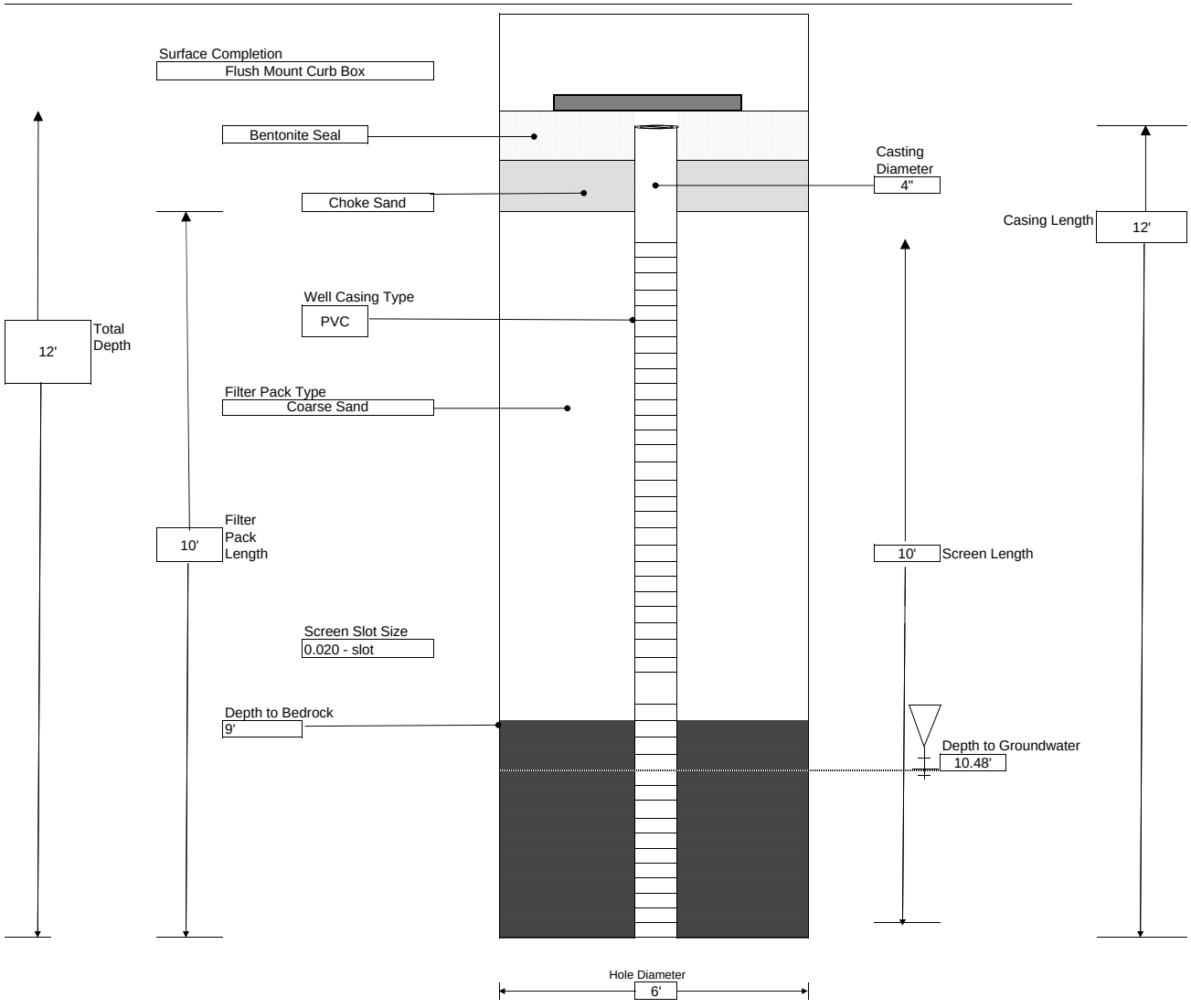
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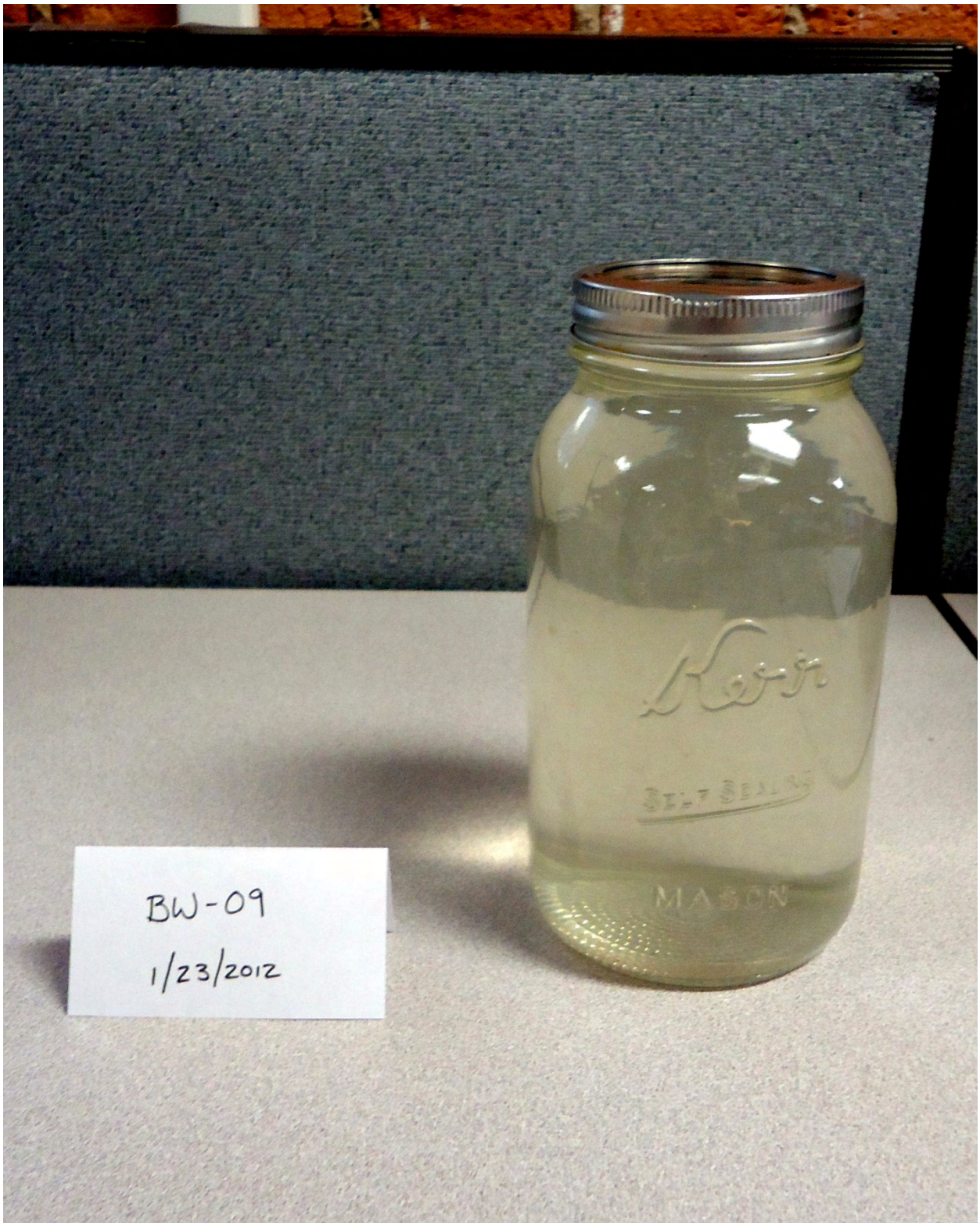
LABELLA Associates, P.C. 300 STATE STREET, ROCHESTER, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS	PROJECT 690 Saint Paul Street Rochester, New York BCP Site #C828159 IRM - AOC #1: Former Oil House Area	BORING: BW-09 SHEET 1 OF 1 JOB # CHKD. BY:

CONTRACTOR: Nothnagle
DRILLER: Steve Laurenty
LABELLA REPRESENTATIVE: J. Gillen
BORING LOCATION:
GROUND SURFACE ELEVATION: N/A DATUM: N/A
START DATE: 1/17/2012 END DATE: 1/17/2012

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE: N/A
OVERBURDEN SAMPLING METHOD:
ROCK DRILLING METHOD: N/A

WATER LEVEL DATA				
DATE	TIME	WATER	CASING	REMARKS



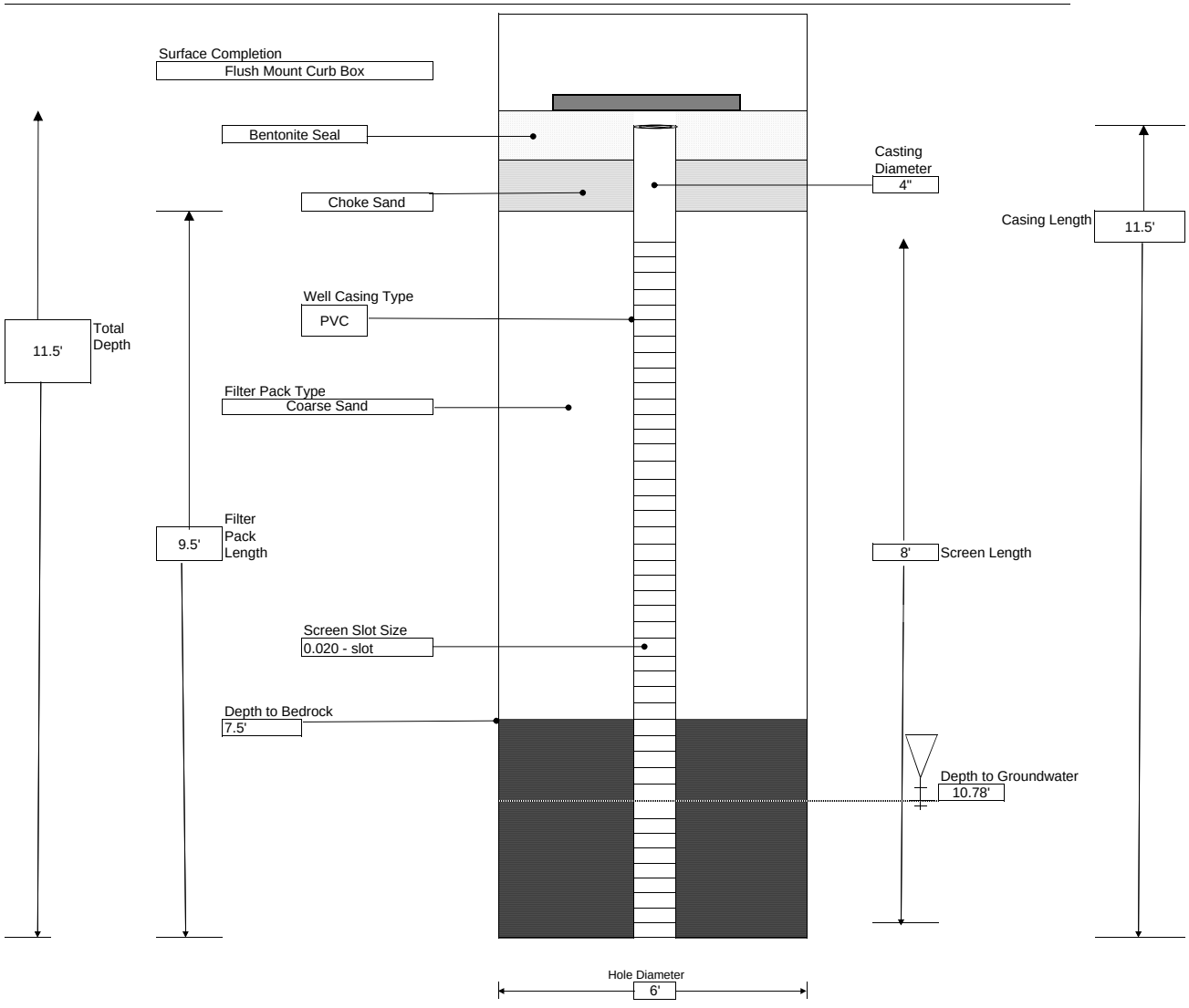

BW-09
1/23/2012
MASON

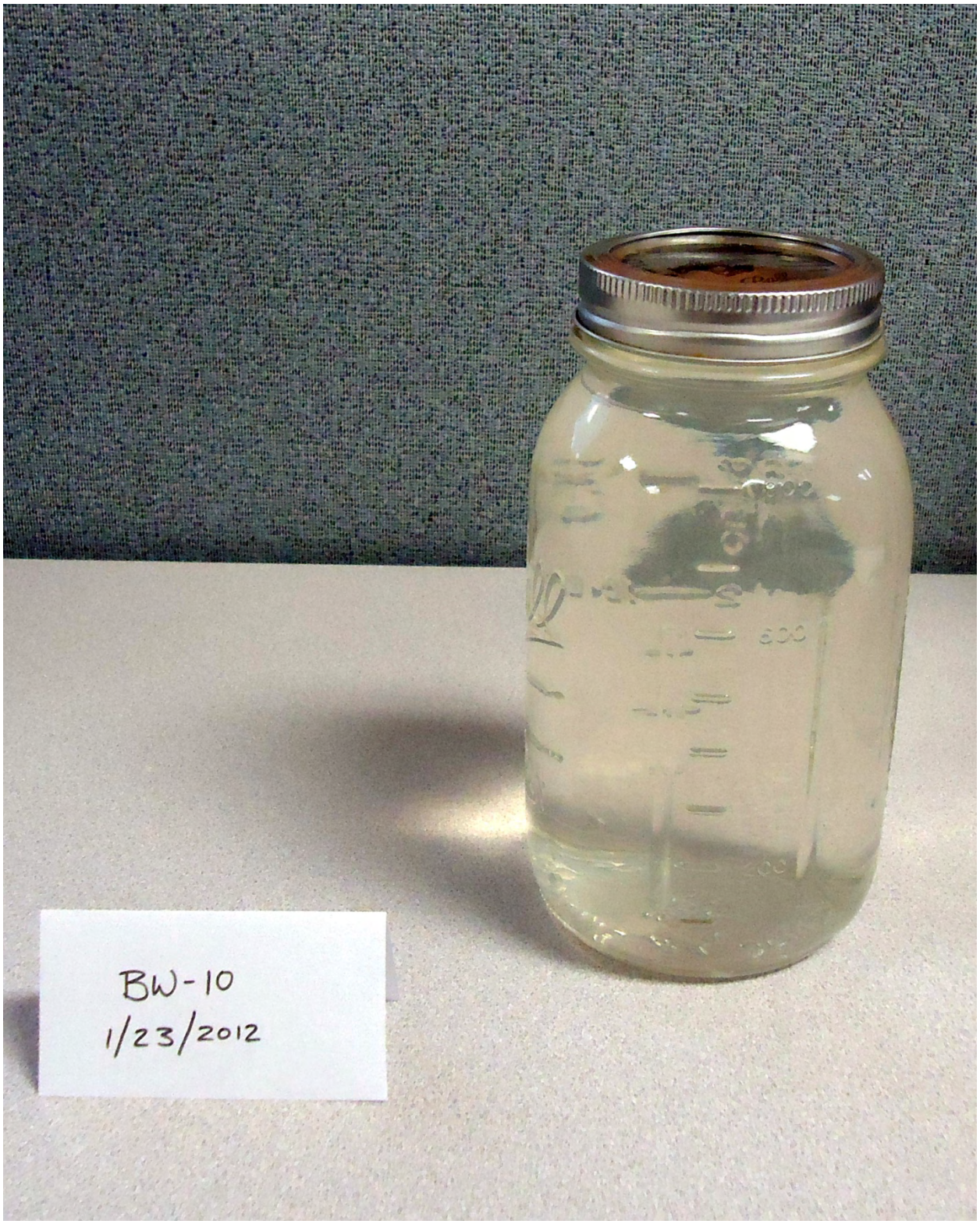
LABELLA Associates, P.C. 300 STATE STREET, ROCHESTER, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS	PROJECT 690 Saint Paul Street Rochester, New York BCP Site #C828159 IRM - AOC #1: Former Oil House Area	BORING: BW-10 SHEET 1 OF 1 JOB # CHKD. BY:

CONTRACTOR: Nothnagle
DRILLER: Steve Laurenty
LABELLA REPRESENTATIVE: J. Gillen
BORING LOCATION:
GROUND SURFACE ELEVATION: N/A DATUM: N/A
START DATE: 1/17/2012 END DATE: 1/17/2012

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE: N/A
OVERBURDEN SAMPLING METHOD:
ROCK DRILLING METHOD: N/A

WATER LEVEL DATA				
DATE	TIME	WATER	CASING	REMARKS



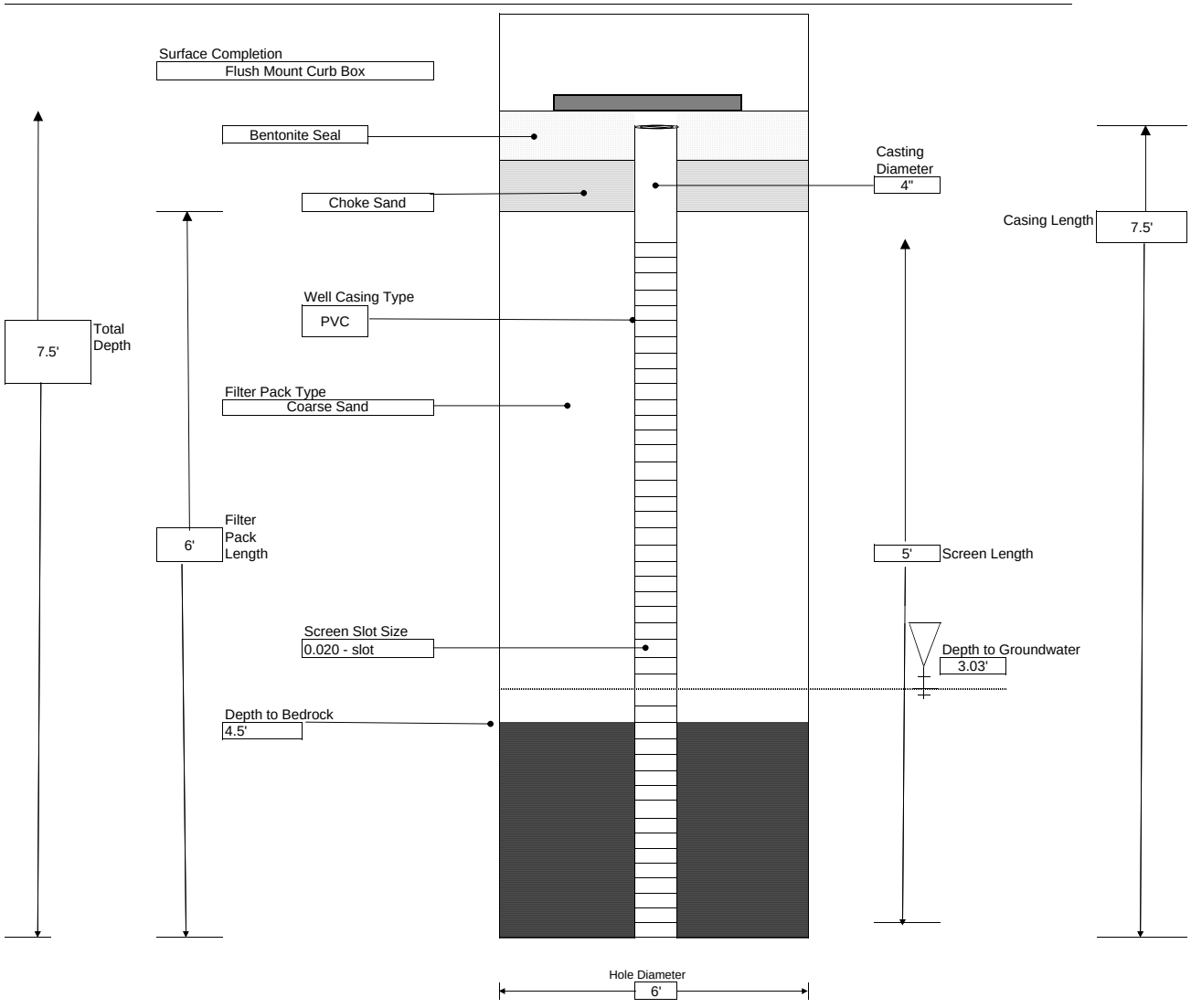

BW-10
1/23/2012

LABELLA Associates, P.C. 300 STATE STREET, ROCHESTER, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS	PROJECT 690 Saint Paul Street Rochester, New York BCP Site #C828159 IRM - AOC #1: Former Oil House Area	BORING: BW-11 SHEET 1 OF 1 JOB # CHKD. BY:

CONTRACTOR: Nothnagle
DRILLER: Steve Laurenty
LABELLA REPRESENTATIVE: J. Gillen
BORING LOCATION:
GROUND SURFACE ELEVATION: N/A DATUM: N/A
START DATE: 1/18/2012 END DATE: 1/18/2012

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE: N/A
OVERBURDEN SAMPLING METHOD:
ROCK DRILLING METHOD: N/A

WATER LEVEL DATA				
DATE	TIME	WATER	CASING	REMARKS



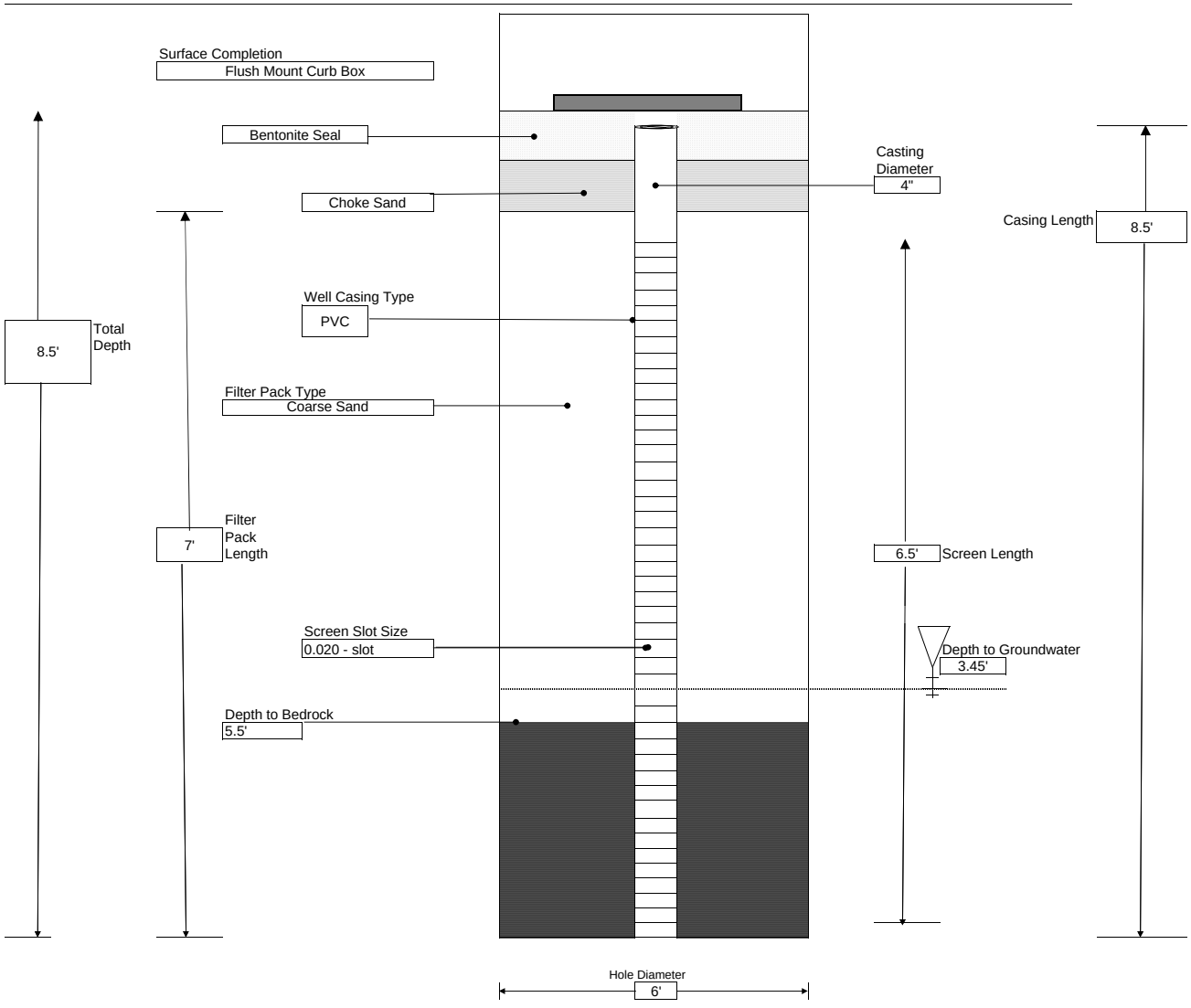

BW-11
1/23/2012

LABELLA Associates, P.C. 300 STATE STREET, ROCHESTER, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS	PROJECT 690 Saint Paul Street Rochester, New York BCP Site #C828159 IRM - AOC #1: Former Oil House Area	BORING: BW-12 SHEET 1 OF 1 JOB # CHKD. BY:

CONTRACTOR: Nothnagle
DRILLER: Steve Laurenty
LABELLA REPRESENTATIVE: J. Gillen
BORING LOCATION:
GROUND SURFACE ELEVATION: N/A DATUM: N/A
START DATE: 1/19/2012 END DATE: 1/19/2012

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE: N/A
OVERBURDEN SAMPLING METHOD:
ROCK DRILLING METHOD: N/A

WATER LEVEL DATA				
DATE	TIME	WATER	CASING	REMARKS




BW-12
1/23/2012

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

TEST BORING LOG

690 Saint Paul Street
Rochester, New York
BCP Site #C828159
IRM - AOC #1: Former Oil House Area

BORING: **BW-09**
SHEET 1 OF 1
JOB: **209280**
CHKD BY:

CONTRACTOR: Nothnagle
DRILLER: Steve L.
LABELLA REPRESENTATIVE: J. Gillen
BORING LOCATION:
GROUND SURFACE ELEVATION:
START DATE: 1/17/2012
END DATE:
TIME: TO
DATUM:

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD: Split Spoon
DRIVE SAMPLER TYPE:
INSIDE DIAMETER: ~6-Inch
OTHER:

DEPTH	SAMPLE BLOW COUNT	SAMPLE RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	3 6 7 9	14"		Brown SAND, some SILT, little pea gravel	0.0 0.0 0.0	
2						
4	6 7 6 6	8"		Brown SAND, some SILT, little pea gravel	0.0 0.0 0.0	
6	12 12 19 31	14"	5'	Brown SAND, some SILT, little pea gravel Dark brown SAND, little SILT, coarse gravel, dry	0.0 0.0 0.0 0.0	
8	9 11 16 36		7'	Fine brown SAND, trace SILT, moist, petroleum odor, dark gray staining **SAMPLE: BW-09 - 7'**	0.0 49.4 20.0 16.2	
	7 27 50		8'3" 9'	Fine brown SAND, trace SILT, moist, petroleum odor, dark gray staining Crushed rock Top of Bedrock	0.0 33.7	
10						
12						
14				Bottom of Exploration at 12'		
16						
18						

WATER LEVEL DATA			BOTTOM OF	BOTTOM OF	GROUNDWATER
DATE	TIME	ELAPSED TIME	CASING	BORING	ENCOUNTERED
1/17/2012	15:30	4:00	11.25'	12'-Ft.	10.48' bgs

NOTES:
Drilled 3' into bedrock

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.

2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

3) Abbreviations

and = 35 to 50 %	c = coarse	
some = 20 to 35%	m = medium	BGS = Below the Ground Surface
little = 10 to 20%	f = fine	NA = Not Applicable
trace = 1 to 10%	vf = very fine	

BORING: **BW-09**

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

TEST BORING LOG

690 Saint Paul Street
Rochester, New York
BCP Site #C828159
IRM - AOC #1: Former Oil House Area

BORING: **BW-10**
SHEET 1 OF 1
JOB: **209280**
CHKD BY:

CONTRACTOR: Nothnagle
DRILLER: Steve L.
LABELLA REPRESENTATIVE: J. Gillen
BORING LOCATION:
GROUND SURFACE ELEVATION:
START DATE: 1/17/2012
END DATE:
TIME: TO
DATUM:

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD: Split Spoon
DRIVE SAMPLER TYPE:
INSIDE DIAMETER: ~6-Inch
OTHER:

DEPTH	SAMPLE BLOW COUNT	SAMPLE RECOVERY	SAMPLE STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	9 10 11 19	12"		Brown fine SAND, little SILT, some coarse gravel, moist	0.0 0.0	
2					0.0	
	9 12 12 21	14"		Brown fine SAND, little SILT, some coarse gravel, wet	0.0 0.0 0.0	
4					0.0	
	8 9 9 18	14"	5'	Brown fine SAND, little SILT, some coarse gravel, wet Small amount of tar-like substance (approx. size of pea gravel)	0.0 9.6	
6					0.1	
	9 18 50	12"		Dark brown SAND, some SILT, little pea gravel, petro.odor, black stning **SAMPLE: BW-10 - 7.5'**	2.4 13.9 146.0	
			7.5'	Top of Bedrock		
8 10						
12 14 16 18				Bottom of Exploration at 11.5'		

WATER LEVEL DATA			BOTTOM OF	BOTTOM OF	GROUNDWATER
DATE	TIME	ELAPSED TIME	CASING	BORING	ENCOUNTERED
1/17/2012	15:30	1:30	11.42'	11.5'-Ft.	10.78' bgs

NOTES:
Drilled approx. 4' into rock

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.

2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

3) Abbreviations

and = 35 to 50 %	c = coarse	
some = 20 to 35%	m = medium	BGS = Below the Ground Surface
little = 10 to 20%	f = fine	NA = Not Applicable
trace = 1 to 10%	vf = very fine	

BORING: **BW-10**

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

TEST BORING LOG

690 Saint Paul Street
Rochester, New York
BCP Site #C828159
IRM - AOC #1: Former Oil House Area

BORING: **BW-11**
SHEET 1 OF 1
JOB: **209280**
CHKD BY:

CONTRACTOR: Nothnagle
DRILLER: Steve L.
LABELLA REPRESENTATIVE: J. Gillen
BORING LOCATION:
GROUND SURFACE ELEVATION:
START DATE: 1/18/2012
END DATE:
TIME: TO
DATUM:

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD: Split Spoon
DRIVE SAMPLER TYPE:
INSIDE DIAMETER: ~6-Inch
OTHER:

DEPTH	SAMPLE BLOW COUNT	SAMPLE RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	Conc.		6'	Concrete slab (sidewalk)		
	4	10"			0.0	
	5			Dark brown SAND, some pea gravel, dry, no odor		
	6				0.0	
2					0.0	
	3				0.0	
	5			Dark brown SAND, some pea gravel, wet, no odor		
	7	6"			0.0	
4	7				0.0	
	55	4"		Dark brown SAND, some pea gravel, wet, no odor	0.0	
			4.5'	Top of Bedrock at 4.5'		
6						
			7.5'			
8				Bottom of Exploration at 7.5'		
10						
12						
14						
16						
18						

WATER LEVEL DATA			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
DATE	TIME	ELAPSED TIME			
1/18/2012	13:00	2:00	7.06'	7.5'-Ft.	3.03' bgs

NOTES:
Drilled 3' into bedrock

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.

2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

3) Abbreviations

and = 35 to 50 %	c = coarse	
some = 20 to 35%	m = medium	BGS = Below the Ground Surface
little = 10 to 20%	f = fine	NA = Not Applicable
trace = 1 to 10%	vf = very fine	

BORING: **BW-11**

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

TEST BORING LOG

690 Saint Paul Street
Rochester, New York
BCP Site #C828159
IRM - AOC #1: Former Oil House Area

BORING: **BW-12**
SHEET 1 OF 1
JOB: **209280**
CHKD BY:

CONTRACTOR: Nothnagle
DRILLER: Steve L.
LABELLA REPRESENTATIVE: J. Gillen
BORING LOCATION:
GROUND SURFACE ELEVATION:
START DATE: 1/19/2012
TIME: TO
DATUM:
END DATE:

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD: Split Spoon
DRIVE SAMPLER TYPE:
INSIDE DIAMETER: ~6-Inch
OTHER:

DEPTH	SAMPLE BLOW COUNT	SAMPLE RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	10			Brown fine SAND, little pea gravel, dry	0.0	
	7	20"		Dark brown CLAY, some SAND, little orange staining, dry	0.0	
	9					No odor
	31			Coarse brown SAND, some pea gravel, dry	0.0	
2					0.0	
	22			Coarse brown SAND, some pea gravel, dry, no staining	0.0	
	40	20"	2'10"		0.0	
	33			Coarse brown SAND, some pea gravel, dry, no	0.7	
	22			staining, slight chemical odor	1.1	
4				**SAMPLE: BW-12 - 3.5'**	1.6	
	18			Dark brown SAND, some CLAY, little pea gravel, moist, no odor	0.0	
	27	20"			0.0	
	65				0.0	
			5.5'	Top of Bedrock	0.0	
6						
8						
				Bottom of Exploration - 8.5'		
10						
12						
14						
16						
18						

WATER LEVEL DATA			BOTTOM OF	BOTTOM OF	GROUNDWATER
DATE	TIME	ELAPSED TIME	CASING	BORING	ENCOUNTERED
1/19/2012	12:00	2:15	8.06'	8.5'-Ft.	3.45' bgs

NOTES:
Drilled 3' into bedrock

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.

2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

3) Abbreviations

and = 35 to 50 %	c = coarse	
some = 20 to 35%	m = medium	BGS = Below the Ground Surface
little = 10 to 20%	f = fine	NA = Not Applicable
trace = 1 to 10%	vf = very fine	

BORING: **BW-12**

LABELLA Associates, P.C.
300 STATE STREET, ROCHESTER, NY
PH: (585) 454-6110 FAX: (585) 454-3066

GROUNDWATER SAMPLING FORM

WELL I.D. BW-09

Project Name: 690 Saint Paul Street
Project No.: 209280
Location: 690 Saint Paul Street, Rochester, NY
Sampled By: Jennifer Gillen
Date: February 22, 2012
Weather:

PURGE VOLUME CALCULATION

Well Diameter: 4.0 -Inch
Static Water Level: 7.01 -Feet
Depth of Well: 11.25 -Feet
Single Well Volume: 2.77 -Gallons

PURGE & SAMPLING METHOD

☐ Bailer - Type:
☐ Pump - Type Bladder Pump
Sampling Device: Low Flow
Pump Rate: 1 cycle/minute

FIELD PARAMETER MEASUREMENTS

Time	Gallons Purged	pH	Temp (oC)	Conductivity (mS/cm)	Turbidity (NTU)		Comments
11:25	1.15	7.94	6.5	0.79	4.98		Color = Clear
							LNAPL or DNAPL observed = No
							Odor?: No
							Sheen?: No

Total _____ Gallons Purged Purge Start Time: Purge End Time:

WELL SAMPLING

Sample I.D. BW-09
Sample Time: 11:30am
No. of Containers:
Sample Preservation: HCl (VOCs only)

Sampled For:
☒ VOCs - 8260B TCL + STARS
☒ SVOCs - 8270C STARS
☐ STARS VOCs Only - Method 8260B
☐ ~~Total /~~ Dissolved TAL Metals
☐ Pesticides
☐ PCBs

OBSERVATIONS:

Well Volume (1" well) = 0.0408-gal/ft.	Well Volume (4" well) = 0.65-gal/ft.
Well Volume (2" well) = 0.163-gal/ft.	

LABELLA Associates, P.C.
300 STATE STREET, ROCHESTER, NY
PH: (585) 454-6110 FAX: (585) 454-3066

GROUNDWATER SAMPLING FORM

WELL I.D. BW-11

Project Name: 690 Saint Paul Street
Project No.: 209280
Location: 690 Saint Paul Street, Rochester, NY
Sampled By: Jennifer Gillen
Date: February 22, 2012
Weather:

PURGE VOLUME CALCULATION

Well Diameter: 4.0 -Inch
Static Water Level: 3.64 -Feet
Depth of Well: 7.06 -Feet
Single Well Volume: 2.22 -Gallons

PURGE & SAMPLING METHOD

☐ Bailer - Type:
☐ Pump - Type Bladder Pump
Sampling Device: Low Flow
Pump Rate: 2 cycle/minute

FIELD PARAMETER MEASUREMENTS

Time	Gallons Purged	pH	Temp (oC)	Conductivity (mS/cm)	Turbidity (NTU)		Comments
10:07	2.40	7.77	4.8	0.90	3.25		Color = Clear
							LNAPL or DNAPL observed = No
							Odor?: No
							Sheen?: No

Total _____ Gallons Purged Purge Start Time: Purge End Time:

WELL SAMPLING

Sample I.D. BW-11
Sample Time: 10:10am
No. of Containers:
Sample Preservation: HCl (VOCs only)

Sampled For:
☒ VOCs - 8260B TCL + STARS
☒ SVOCs - 8270C STARS
☐ STARS VOCs Only - Method 8260B
☐ ~~Total /~~ Dissolved TAL Metals
☐ Pesticides
☐ PCBs

OBSERVATIONS:

Well Volume (1" well) = 0.0408-gal/ft.	Well Volume (4" well) = 0.65-gal/ft.
Well Volume (2" well) = 0.163-gal/ft.	

LABELLA Associates, P.C.
300 STATE STREET, ROCHESTER, NY
PH: (585) 454-6110 FAX: (585) 454-3066

GROUNDWATER SAMPLING FORM

WELL I.D. BW-12

Project Name: 690 Saint Paul Street
Project No.: 209280
Location: 690 Saint Paul Street, Rochester, NY
Sampled By: Jennifer Gillen
Date: February 22, 2012
Weather:

PURGE VOLUME CALCULATION

Well Diameter: 4.0 -Inch
Static Water Level: 3.84 -Feet
Depth of Well: 8.06 -Feet
Single Well Volume: 2.74 -Gallons

PURGE & SAMPLING METHOD

☐ Bailer - Type:
☐ Pump - Type Bladder Pump
Sampling Device: Low Flow
Pump Rate: 1 cycle/minute

FIELD PARAMETER MEASUREMENTS

Time	Gallons Purged	pH	Temp (oC)	Conductivity (mS/cm)	Turbidity (NTU)		Comments
15:20	3.15	8.84	3.4	0.366	62.1		Color = Slightly cloudy
							LNAPL or DNAPL observed = No
							Odor?: No
							Sheen?: No

Total _____ Gallons Purged Purge Start Time: Purge End Time:

WELL SAMPLING

Sample I.D. BW-12
Sample Time: 15:25
No. of Containers:
Sample Preservation: HCl (VOCs only)

Sampled For:
☒ VOCs - 8260B TCL + STARS
☒ SVOCs - 8270C STARS
☐ STARS VOCs Only - Method 8260B
☐ ~~Total /~~ Dissolved TAL Metals
☐ Pesticides
☐ PCBs

OBSERVATIONS:

Well Volume (1" well) = 0.0408-gal/ft.	Well Volume (4" well) = 0.65-gal/ft.
Well Volume (2" well) = 0.163-gal/ft.	