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Task 210 - Subsurface Site Investigation
Three Metro North Bridges
Beacon Falls and Naugatuck, Connecticut
State Project #304-008Ø

Submitted to:
Connecticut Department of Transportation
June 19, 2008

TETRA TECH RIZZO

May 27, 2008

Mr. Gregory Dorosh
Principal Engineer
Environmental Compliance Section
Bureau of Engineering and Highway Operations
Connecticut Department of Transportation
Newington, CT 06131-7546

Attention: Ms. Judith Nemecek / Ms. Amie Maines

Re: Task 210 - Subsurface Site Investigation
Three Metro North Bridges
Beacon Falls and Naugatuck, Connecticut
State Project # 304-0080
Assignment # 403-3651

Dear Mr. Dorosh:

Tetra Tech Rizzo, Inc. (Tetra Tech) is pleased to submit this report summarizing the conduct and findings of the Task 210 - Subsurface Site Investigation for the replacement of Bridge #'s 08276R, 08277R, and 08283R in Beacon Falls and Naugatuck, Connecticut (the Site). This report was prepared to evaluate the Site for evidence of contamination of the soil and to evaluate health and safety conditions and whether proposed construction activities should include the management of contaminated soil.

This investigation included advancement of soil borings and the collection and analysis of soil samples. Groundwater was not encountered during this investigation.

The results and recommendations are presented in the attached report. We appreciate the opportunity to provide these services to you. Please contact us if you have any questions concerning this report.

Very truly yours,

Adam L. Stannard Geologist II	David P. Brassard, PE, LEP Project Manager	John E. Adams, LEP, LSP Senior Vice President

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1.0 Introduction

This study was conducted to investigate soils beneath three Metro North Railroad Bridges identified as #08276R, #08277R, and #08283R located in Beacon Falls and Naugatuck, Connecticut (Site) for evidence of potential contamination of the soil with oil or hazardous materials as defined by CGS Section 22a-134 and to assess the applicability of CGS Section 22a-134 to 134(d), as amended (Connecticut Transfer Act). This study was conducted by the following Tetra Tech Rizzo (Tetra Tech) personnel: David P. Brassard, PE, LEP and Adam L. Stannard at the request of the Connecticut Department of Transportation (CTDOT). This investigation was conducted between February 25, 2008 and February 28, 2008.

The object of this investigation was to conduct a site investigation that would verify the presence or absence of subsurface contamination within potential construction areas of the bridge abutments. Soil analytical data collected during the investigation will be compared to the criteria prescribed in the Connecticut Remediation Standard Regulations (Regulations of the Connecticut State Agencies Sections 22a-133k-1 through 3 and 22a-133q-1) (RSR). A Site location map is presented as **Figure 1**.

Abbreviations used in this report are as follows:

µg/kg	micrograms per kilogram (equivalent to parts per billion)
µg/L	micrograms per liter (equivalent to parts per billion)
CT DEP	Connecticut Department of Environmental Protection
CT DOT	Connecticut Department of Transportation
DEC	Direct Exposure Criteria
ETPH	extractable total petroleum hydrocarbons
mg/kg	milligrams per kilogram (equivalent to parts per million)
mg/L	milligrams per liter (equivalent to parts per million)
PID	photoionization detector
PMC	Pollutant Mobility Criteria
RCRA	Resource Conservation and Recovery Act
RSR	Remediation Standard Regulations
SVOC	Semi-Volatile Organic Compound
VOCs	volatile organic compounds

1.1 Site Description

The Site is comprised of three separate locations in Beacon Falls and Naugatuck, Connecticut, along the Metro North Railroad Line: Bridge #08276R over Spruce Brook in Beacon Falls, Connecticut; Bridge #08277R over Sugar Hop Brook in Naugatuck, Connecticut; Bridge #08283R over Hop Brook in Naugatuck, Connecticut. These bridges are along the western bank of the Naugatuck River in lightly wooded areas. General topography at the bridges slopes downward to the east-southeast. Plans depicting the bridges are presented as **Figures 2-4**.

Groundwater at Bridge #08276R is classified by the CT DEP as GA, and Bridge #08277R is classified as GA Impaired, indicating that groundwater is within the area of influence of private, and potentially, public water supply wells that could be presumed suitable for direct human consumption. The state's goal is to maintain that condition by banning almost all discharges to groundwater. Groundwater at Bridge #08277R is classified by the CT DEP as GB. According to the CT DEP, GB groundwater is historically located within an urbanized area or an area of intense industrial activity where public water supply service is available. GB groundwater may not be suitable for human consumption without treatment due to waste discharges, spills or leaks of chemicals or other land use impacts. Designated uses for GB groundwater include industrial process water, cooling waters and baseflow for hydraulically connected surface water bodies.

1.2 Limitations

This report is subject to the limitations outlined in **Appendix A**. This study and report have been prepared on behalf of and for the exclusive use of the CT DOT for use in an environmental evaluation of the Site. This report and the findings contained herein shall not, in whole or in part, be disseminated or conveyed to any other party, nor used by any other party in whole or in part, without the prior written consent of Tetra Tech Rizzo. However, Tetra Tech Rizzo acknowledges and agrees that, subject to the terms and conditions of our contract, the report may be conveyed to the client's attorney and regulatory agencies. Tetra Tech Rizzo would be pleased to discuss the conditions of dissemination of the report to additional parties associated with the transaction.

2.0 Applicable RSR Criteria Overview

In accordance with the RSRs, excavation, dredging, or other manner of collection of contaminated environmental media are subject to waste management regulations. The soil will be considered to be contaminated material if they have been affected by a release of a substance. This will be determined by conducting laboratory analysis for chemicals of concern. If deemed impacted and the soils are excavated, they will be considered a contaminated environmental media and are subject to waste management regulations. The analytical data collected within the scope of this Task 210 will be used to characterize if the soil is a regulated material.

If data collected indicates exceedances of the RSR criteria, the soil must be handled as non-hazardous contaminated material and is subject to applicable RSR polluted soil reuse requirements and to Connecticut solid waste requirements.

2.1 Soils

Based on the Connecticut Remediation Standard Regulations (Regulations of the Connecticut State Agencies Section 22a-133k-1 through 3 and 22a-133q-1) (RSRs), soils at a potential release area are in compliance if soils meet (A) the default Direct Exposure Criteria (DEC) or an alternative DEC and (B) the default Pollutant Mobility Criteria (PMC) or an alternative PMC.

2.1.1 Direct Exposure Criteria

The Direct exposure criteria are risk-based criteria that were established to identify the concentrations of contaminants that would not represent a significant risk to humans if exposed to the soil by direct contact or ingestion. Based on the varying exposure potentials, two types of soil criteria are considered for direct exposure: industrial/commercial and residential. For application of DEC, all sites must meet the residential DEC, unless an Environmental Land Use Restriction (ELUR) prohibiting residential use of the parcel is recorded on the land records

2.1.2 Pollutant Mobility Criteria

The Pollutant Mobility Criteria (PMC) was established to identify the potential risk to groundwater represented by contaminants leaching from soil located above the water table. The PMC differs depending upon the groundwater classification of the area (GA versus GB). The groundwater classification for the subject sites vary. Bridge #08276R in Beacon Falls is GA and Bridge #08277R in Naugatuck is GA Impaired, therefore both must comply with the GA PMC. Bridge #08283R in Naugatuck is GB and must comply with the GB PMC.

3.0 Scope of Investigation

Site activities were conducted in February of 2008. The proposed scope of activities for the investigation included the following:

- Advancement of soil borings and test pits within the proposed areas of construction.
- Collection and submission of soil samples collected from the soil borings and test pits.

3.1 Rationale for Work Scope

The rationale of this Task 210 – Subsurface Site Investigation is to investigate areas of proposed construction at the bridges and evaluate whether the work activities should include the management of contaminated soil. The data is also used to plan for health and safety of construction workers.

3.2 Pre-Drilling Activities

The following activities were completed prior to initiating intrusive investigation activities on the

Site.

3.3 Site Health and Safety Plan

A Health and Safety Plan was prepared for the field activities proposed for this investigation. The plan included a list of suspected contaminants and hazards likely to be encountered during the investigation, directions to the nearest emergency room, and telephone numbers of selected local officials. All personnel involved in subsurface investigations at the Site signed the Health and Safety Plan.

3.4 Drilling/Test Pit Installation

A total of six soil borings and six test pits were advanced between all the bridges. The driller at the Site for the soil borings was Soil Testing, Inc. out of Oxford, Connecticut. Work was performed between February 25, 2008 and February 28, 2008. Boring and test pit locations are shown on **Figures 2-4.** The identification and location of each of the borings and test pits are presented below.

- Soil borings B-1 – B-6 were advanced in the vicinity of the bridges, with two borings at each bridge. Borings B-1 and B-2 were advanced near Bridge #08276R, B-3 and B-4 near Bridge #08277R, and B-5 and B-6 near Bridge #08283R.
- Test pits TP-1 – TP-6 were advanced to approximately 1 ft. below the base of the footing of the bridges. TP-1 and TP-2 were advanced at the footings of Bridge #08276R, TP-3 and TP-4 at Bridge #08277R, and TP-5 and TP-6 at Bridge #08283R.

The borings were installed using a track-mounted rotary drill rig equipped with hollow stem auger. Test pits were advanced using a backhoe.

3.5 Soil Sampling and Field Screening

Soil samples were collected up to 10 to 12 feet bgs using 2"x2' split spoon samplers. This was the estimated depth of construction. Boring logs describing the soil conditions encountered in each boring are included in **Appendix D.**

A portion of each sample was immediately placed in a sealed glass jar, filling approximately two-thirds of the jar. The headspaces over the soil samples were developed by agitation and screened in the field for the presence of VOCs using a PID. Procedures used in the field to screen soil sample headspaces for the presence of VOCs are attached to this report as **Appendix B.**

The PID was calibrated prior to use with an isobutylene standard to produce responses for total VOCs as benzene. The PID can detect the presence of VOCs with ionization potentials of less than 10.6 electron volts when those compounds are present in the headspace over the sample being screened. Responses are displayed in digital form in ppm (as benzene). Most priority pollutant VOCs are ionized at this potential and can be detected, although with varying

sensitivities.

The soil samples were collected in the appropriate glass containers, stored in ice, and transported via laboratory courier to Spectrum Analytical Laboratory in Agawam, Massachusetts for analysis. A copy of the Laboratory Certificates of Analysis and Chain-of-Custody is included in **Appendix C**.

All soil samples submitted were analyzed for ETPH by the Connecticut Method, VOCs by EPA Method 8260, SVOCs by EPA method 8270, PCBs by method 8082, herbicides by method 8151A, and total RCRA 8 metals. Select soil samples were analyzed for SPLP RCRA 8 Metals if totals exceeded the 20x rule.

3.6 Results of Soil Sampling Analyses

Eighteen soil samples were collected during the investigation. Samples were selected based primarily on the depth location.

Copies of the Laboratory Certificates of Analysis and Chain of Custody are included in **Appendix C**. **Tables 1–3** summarize laboratory analysis results for soil samples. The results are summarized below:

Bridge #08276R:

VOCs, PCBs, and herbicides were below the laboratory detection limits in all samples analyzed. In B-2 (0-3'), benzo(a)anthracene (1.47 mg/kg), benzo(a)pyrene (1.53 mg/kg), benzo(b)fluoranthene (1.22 mg/kg), benzo(k)fluoranthene (1.41 mg/kg), and chrysene (1.63 mg/kg) were all above the applicable RSR criteria. SVOCs were below the laboratory detection limits in B-1 (0-3') and TP-2 (0-2'). Several SVOCs were detected above the laboratory detection limits but below the applicable RSR criteria in TP-1 (0-2').

Metals were detected in each of the samples analyzed, but were all below the applicable RSR criteria. TP-1 (0-2') was analyzed for RCRA 8 Metals by way of the SPLP analysis and all results were below laboratory detection limits.

ETPH were detected at 31.9 mg/kg in B-1 (0-3'), 161 mg/kg in B-2 (0-3'), and 62.1 in TP-1 (0-2'). ETPH was below the laboratory detection limit in TP-4 (0-2'). These are all below the applicable RSR criteria.

Bridge #08277R:

VOCs, PCBs, and herbicides were below the laboratory detection limits in all samples analyzed. SVOCs were below the laboratory detection limits in B-4 (1-3') and TP-3 (1.5-2'). Several SVOCs were detected above the laboratory detection limits but below the applicable RSR criteria in TP-4 (1.5-2'). In B-3 (1-3'), benzo(a)anthracene (1.83 mg/kg), benzo(a)pyrene (1.31 mg/kg), benzo(b)fluoranthene (1.31 mg/kg), benzo(k)fluoranthene (1.46 mg/kg), and chrysene (1.81 mg/kg) were all above the applicable RSR criteria.

Metals were detected in each of the samples analyzed, but were all below the applicable RSR criteria. ETPH were detected at 205 mg/kg in B-3 (1-3'), 86.4 mg/kg in TP-4 (1.5-2'), 39 mg/kg in B-4 (1-3'), and 26.9 mg/kg in TP-3 (1.5-2'). These are all below the applicable RSR criteria.

Bridge #08283R:

PCBs and herbicides were below the laboratory detection limits in all samples analyzed. VOCs were below the laboratory detection limits in three of the four samples collected. Tetrachloroethene (PCE) and trichloroethene (TCE) were detected in B-6 (0-2') but were well below the applicable RSR criteria. SVOCs were detected in three of the four samples collected, but were below the applicable RSR criteria.

Metals were detected in each of the samples analyzed, but were all below the applicable RSR criteria. B-5 (0-2') was analyzed for RCRA 8 Metals by way of the SPLP analysis and all results were below laboratory detection limits.

ETPH were detected at 60.2 mg/kg in B-5 (0-2'), 59.6 in TP-5 (1-1.5'), and 30.8 mg/kg in B-6 (0-2'). ETPH below the laboratory detection limit in TP-6 (1-3').

4.0 Conclusions

This Task 210 – Subsurface Site Investigation was conducted between February 25, 2008 and February 28, 2008. This report was prepared to evaluate the bridges for evidence of hazardous materials or hazardous substances within the meaning of CGS Section 22a-448.

For Bridge #08276R in Beacon Falls, Connecticut, one soil sample, B-2 (0-3'), returned levels of SVOCs that exceed the applicable RSR criteria for a GA groundwater designated area. Constituents of concern include benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, and chrysene.

For Bridge #08277R in Naugatuck, Connecticut, one soil sample, B-3 (1-3'), returned levels of SVOCs that exceed the applicable RSR criteria for a GA groundwater designated area. Constituents of concern include benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, and chrysene.

For Bridge #08283R in Naugatuck, Connecticut, all samples were below the applicable RSR criteria for a GB groundwater designated area.

5.0 Recommendations

The results of the Task 210 indicate the presence of SVOCs in soils at Bridge #08276R and #08277R that exceed applicable RSR stantards. Based on the data, areas of environmental concern (AOEC) exist at these two bridges. Special considerations for the treatment/disposal and worker health and safety must be given to those AOECs in order to ensure compliance with all local, state, and federal laws.

In addition, low level areas of environmental concern (LLAOEC) also exist at all three bridges due to levels above the laboratory detection limits.

Task 310 plans and specifications are therefore recommended to address proposed excavation activities within the AOECs and LLAOECs.

TABLES

Bridge #08276R
Beacon Falls, Connecticut

Tetra Tech Rizzo I.D. Laboratory I.D. Sample Date	Res DEC	I/C DEC	GA PMC	B-1 (0-3') SA75005-01 2/25/2008	B-2 (0-3') SA75005-02 2/26/2008	TP-1 (0-2') SA75005-03 2/25/2008	TP-2 (0-2') SA75005-04 2/25/2008
Volatile Organic Compounds (ug/kg)	—	—	—	BRL	BRL	BRL	BRL
SemiVolatile Organics (mg/kg)							
Anthracene	1,000	2,500	40	<0.41	0.43	<0.42	<0.34
Benzo(a)anthracene	1	7.8	1	<0.41	**1.47**	0.58	<0.34
Benzo(a)pyrene	1	1	1	<0.41	**1.53**	0.64	<0.34
Benzo(b)fluoranthene	1	7.8	1	<0.41	**1.22**	0.6	<0.34
Benzo(g,h,i)perylene	1,000	2,500	4.2	<0.41	0.69	<0.42	<0.34
Benzo(k)fluoranthene	8.4	78	1	<0.41	**1.41**	0.77	<0.34
Chrysene	84	780	1	<0.41	**1.63**	0.74	<0.34
Fluoranthene	1,000	2,500	5.6	<0.41	2.95	1.42	<0.34
Indeno(1,2,3-cd)pyrene	1	7.8	1	<0.41	0.72	<0.42	<0.34
Phenanthrene	1,000	2,500	4	<0.41	1.4	0.69	<0.34
Pyrene	1,000	2,500	4	<0.41	3.32	1.4	<0.34
Inorganic Substances (mg/kg)							
Arsenic (Ar)	10	10	NE	<1.71	<1.56	2.77	<1.54
Barium (Ba)	4,700	140,000	NE	60.7	62.2	59.3	17.5
Cadmium (Cd)	34	1,000	NE	<0.57	1.17	1.27	<0.514
Chromium, total (Cr)	NE	NE	NE	41.5	94.5	23.8	7.24
Lead(Pb)	400	1,000	NE	123	96.3	105	11.8
Mercury (Hg)	20	610	NE	<0.0340	0.401	0.223	<0.0292
SPLP Metals by EPA 1312 & 6000/7000 Series Methods (mg/L)	NE	—	—	NA	NA	BRL	NA
Polychlorinated Biphenyls (PCBs) 8082	—	—	—	BRL	BRL	BRL	BRL
Herbicides 8151	—	—	—	BRL	BRL	BRL	BRL
TPH (ETPH Method) (mg/kg)	500	2,500	500	31.9	161	62.1	<13.6

I/C DEC = Industrial/Commercial Direct Exposure Criteria
RES DEC = Residential Direct Exposure Criteria
GA PMC = Pollutant Mobility Criteria for a GA groundwater designation
< = Concentration less than the laboratory detection limits
BRL= Below Reporting Limits
mg/kg = milligrams /kilogram or parts per million
ug/kg= micrograms/kilogram or parts per billion
SPLP = Synthetic Precipitation Leaching Procedure
NE = None Established
NA = Not Analyzed
ETPH = Extractable Total Petroleum Hydrocarbons

Notes:

1. Compounds shown when detected in at least one sample
2. Bold concentrations indicate exceedances of the applicable RSR criteria

Bridge #08277R
Naugatuck, Connecticut

Tetra Tech Rizzo I.D.	Res DEC	I/C DEC	GA PMC	B-3 (1-3')	B-4 (1-3')	TP-3 (1.5-2')	TP-4 (1.5-2')
Laboratory I.D.				SA75140-01	SA75140-03	SA75140-05	SA75140-06
Sample Date				2/28/2008	2/28/2008	2/28/2008	2/28/2008
Volatile Organic Compounds (ug/kg)	—	—	—	BRL	BRL	BRL	BRL
SemiVolatile Organics (mg/kg)							
Benzo(a)anthracene	1	7.8	1	**1.83**	<0.47	<0.46	0.77
Benzo(a)pyrene	1	1	1	**1.31**	<0.47	<0.46	0.56
Benzo(b)fluoranthene	1	7.8	1	**1.31**	<0.47	<0.46	0.62
Benzo(k)fluoranthene	8.4	78	1	**1.46**	<0.47	<0.46	0.66
Chrysene	84	780	1	**1.81**	<0.47	<0.46	0.84
Fluoranthene	1,000	2,500	5.6	3.77	<0.47	<0.46	0.19
Phenanthrene	1,000	2,500	4	1.38	<0.47	<0.46	0.15
Pyrene	1,000	2,500	4	2.99	<0.47	<0.46	0.13
Inorganic Substances (mg/kg)							
Arsenic (Ar)	10	10	NE	3.02	3.35	2.41	2.02
Barium (Ba)	4,700	140,000	NE	69.0	40.9	24.2	27.7
Cadmium (Cd)	34	1,000	NE	0.6	<0.60	<0.64	0.63
Chromium, total (Cr)	NE	NE	NE	15.8	18.9	11.8	15.0
Lead(Pb)	400	1,000	NE	248	72.7	76.8	43.1
Selenium (Se)	340	10,000	NE	<1.66	2.60	<1.91	<1.87
Mercury (Hg)	20	610	NE	0.180	0.107	<0.0369	0.0358
Polychlorinated Biphenyls (PCBs) 8082	—	—	—	BRL	BRL	BRL	BRL
Herbicides 8151	—	—	—	BRL	BRL	BRL	BRL
TPH (ETPH Method) (mg/kg)	500	2,500	500	205	39	26.9	86.4

I/C DEC = Industrial/Commercial Direct Exposure Criteria
RES DEC = Residential Direct Exposure Criteria
GA PMC = Pollutant Mobility Criteria for a GA groundwater designation
< = Concentration less than the laboratory detection limits
BRL= Below Reporting Limits
mg/kg = milligrams /kilogram or parts per million
ug/kg= micrograms/kilogram or parts per billion
SPLP = Synthetic Precipitation Leaching Procedure
NE = None Established
NA = Not Analyzed
ETPH = Extractable Total Petroleum Hydrocarbons
Notes:
1. Compounds shown when detected in at least one sample
2. Bold concentrations indicate exceedances of the applicable RSR criteria

Bridge #08283R
Naugatuck, Connecticut

Tetra Tech Rizzo I.D.	Res DEC	I/C DEC	GB PMC	B-5 (0-2')	B-6 (0-2')	TP-5 (1-1.5')	TP-6 (1-3')
Laboratory I.D.				SA75063-01	SA75063-02	SA75063-03	SA75063-04
Sample Date				2/27/2008	2/27/2008	2/27/2008	2/27/2008
Volatile Organic Compounds (ug/kg)							
Tetrachloroethene	12,000	110,000	1,000	<7.9	7	<6.5	<7.8
Trichloroethene	56,000	520,000	1,000	<7.9	8.5	<6.5	<7.8
SemiVolatile Organics (mg/kg)							
Chrysene	84	780	1	0.46	<0.36	<0.49	<0.42
Fluoranthene	1,000	2,500	56	0.88	0.55	0.51	<0.42
Phenanthrene	1,000	2,500	40	0.55	<0.36	<0.49	<0.42
Pyrene	1,000	2,500	40	0.81	0.46	<0.49	<0.42
Inorganic Substances (mg/kg)							
Arsenic (Ar)	10	10	NE	2.13	<1.51	<1.78	<1.73
Barium (Ba)	4,700	140,000	NE	58.6	35.6	26.7	36.8
Cadmium (Cd)	34	1,000	NE	0.82	<0.50	<0.59	<0.58
Chromium, total (Cr)	NE	NE	NE	35	13.1	9.41	7.7
Lead(Pb)	400	1,000	NE	49.3	35.1	12.3	15.8
Mercury (Hg)	20	610	NE	0.152	0.099	<0.037	0.0413
SPLP Metals by EPA 1312 & 6000/7000 Series Methods (mg/L)	—	—	—	BRL	NA	NA	NA
Polychlorinated Biphenyls (PCBs) 8082	—	—	—	BRL	BRL	BRL	BRL
Herbicides 8151	—	—	—	BRL	BRL	BRL	BRL
TPH (ETPH Method) (mg/kg)	500	2,500	2,500	60.2	30.8	59.6	<17.0

I/C DEC = Industrial/Commercial Direct Exposure Criteria
RES DEC = Residential Direct Exposure Criteria
GB PMC = Pollutant Mobility Criteria for a GB groundwater designation
< = Concentration less than the laboratory detection limits
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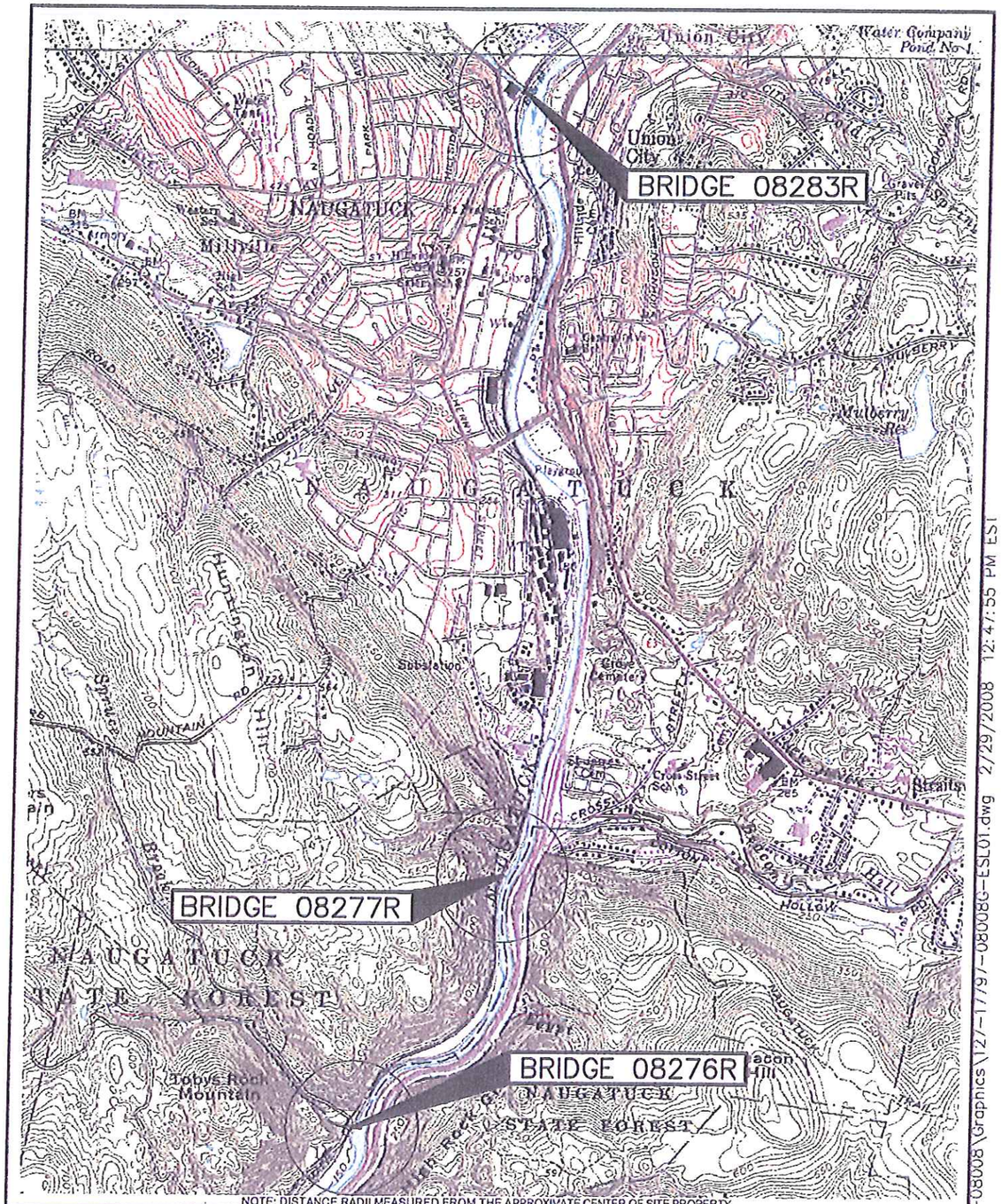
NA = Not Analyzed
ETPH = Extractable Total Petroleum Hydrocarbons

Notes:
1. Compounds shown when detected in at least one sample
2. Bold concentrations indicate exceedances of the applicable RSR criteria

FIGURES



NOTE: DISTANCE RADII MEASURED FROM THE APPROXIMATE CENTER OF SITE PROPERTY.

Project No. 127-17797-08008

TETRA TECH RIZZO

0 2,000 Feet

Information obtained from
USGS Map of Naugatuck, Connecticut
Dated: 1964, Photorevised: 1984
USGS Map of Waterbury, Connecticut
Dated: 1968, Photorevised: 1984

CTDOT / Metro-North Railroad Bridges
(Bridges 08276R, 08277R, & 08283R)
Beacon Falls & Naugatuck, CT

Site Locus Plan

Figure 1

J:\Project\127-17797-08008\Graphics\127-17797-08008G-ESL01.dwg 2/29/2008 12:47:55 PM EST

REFERENCES:

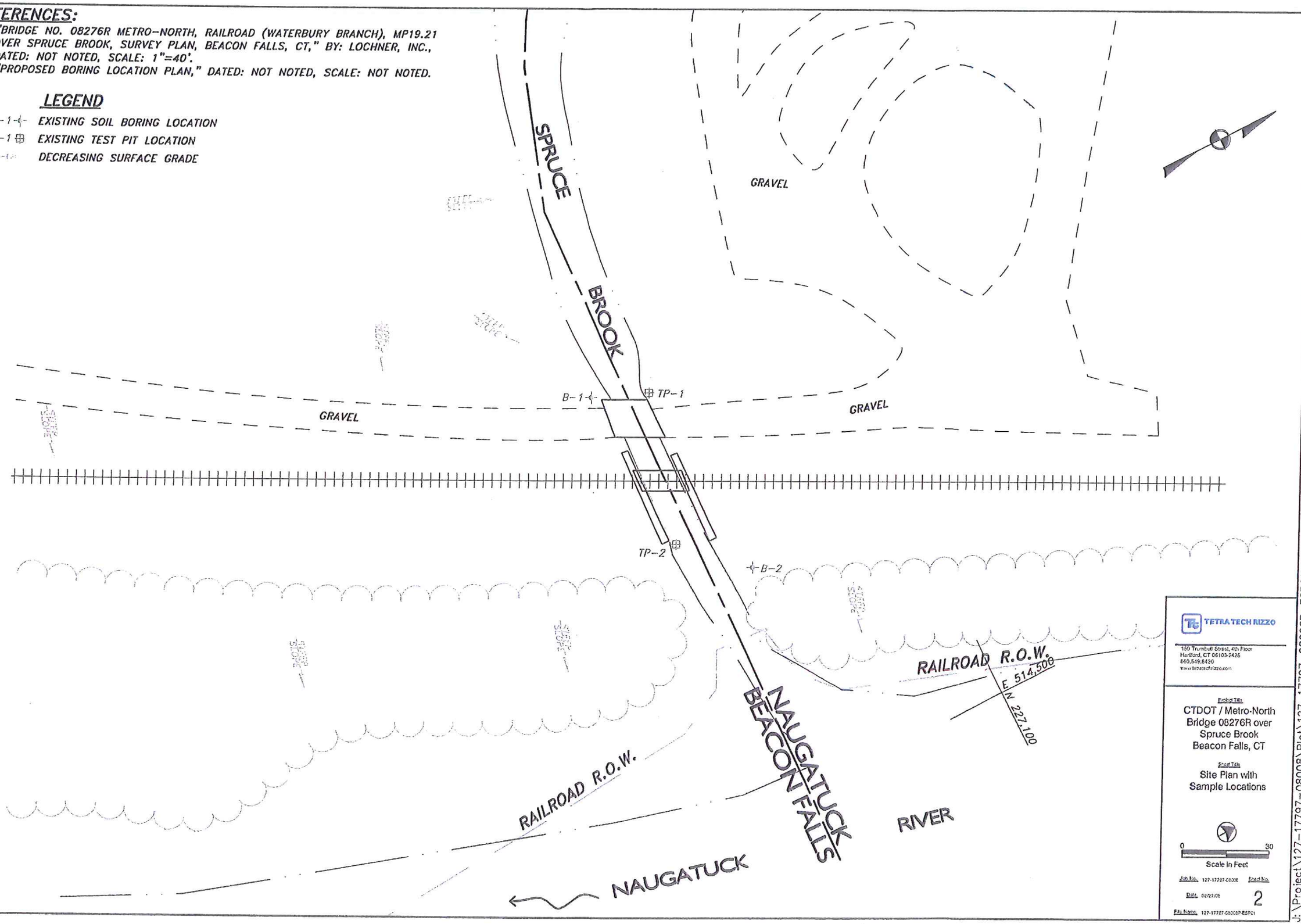
1. "BRIDGE NO. 08276R METRO-NORTH, RAILROAD (WATERBURY BRANCH), MP19.21 OVER SPRUCE BROOK, SURVEY PLAN, BEACON FALLS, CT," BY: LOCHNER, INC., DATED: NOT NOTED, SCALE: 1"=40'.
2. "PROPOSED BORING LOCATION PLAN," DATED: NOT NOTED, SCALE: NOT NOTED.

LEGEND

B-1 EXISTING SOIL BORING LOCATION

TP-1 EXISTING TEST PIT LOCATION

DECREASING SURFACE GRADE



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Project Title
CTDOT / Metro-North
Bridge 08276R over
Spruce Brook
Beacon Falls, CT

Sheet Title
Site Plan with
Sample Locations

0 30
Scale in Feet

Job No. 127-17797-08008 Sheet No.

Date 02/27/08 2

File name 127-17797-08008P-ESP01

J:\Project\127-17797-08008\Plot\127-17797-08008P-ESP01.dwg 2/29/2008 11:54:11 AM EST

REFERENCES:

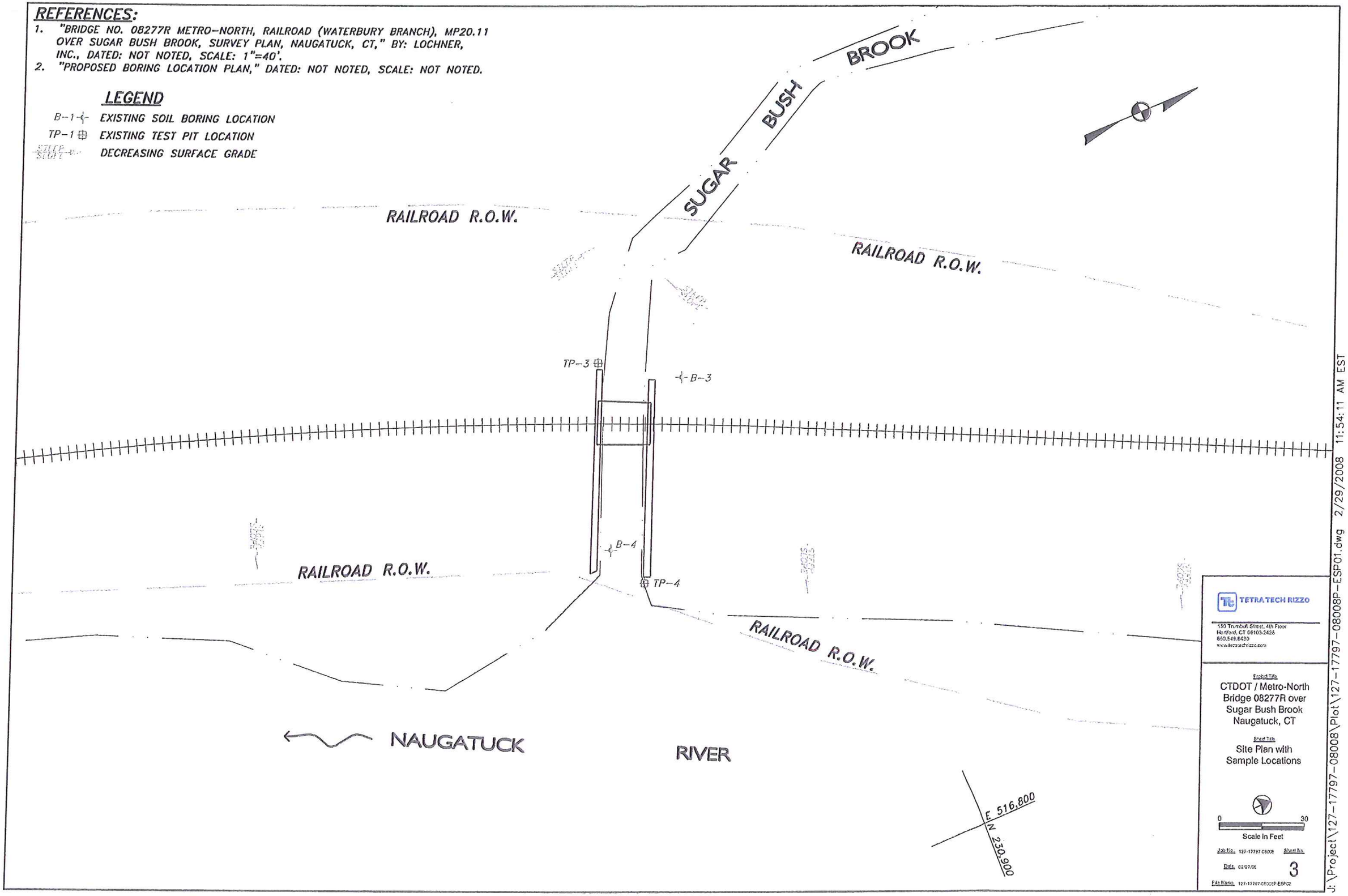
1. "BRIDGE NO. 08277R METRO-NORTH, RAILROAD (WATERBURY BRANCH), MP20.11 OVER SUGAR BUSH BROOK, SURVEY PLAN, NAUGATUCK, CT," BY: LOCHNER, INC., DATED: NOT NOTED, SCALE: 1"=40'.
2. "PROPOSED BORING LOCATION PLAN," DATED: NOT NOTED, SCALE: NOT NOTED.

LEGEND

B-1 EXISTING SOIL BORING LOCATION

TP-1 EXISTING TEST PIT LOCATION

DECREASING SURFACE GRADE



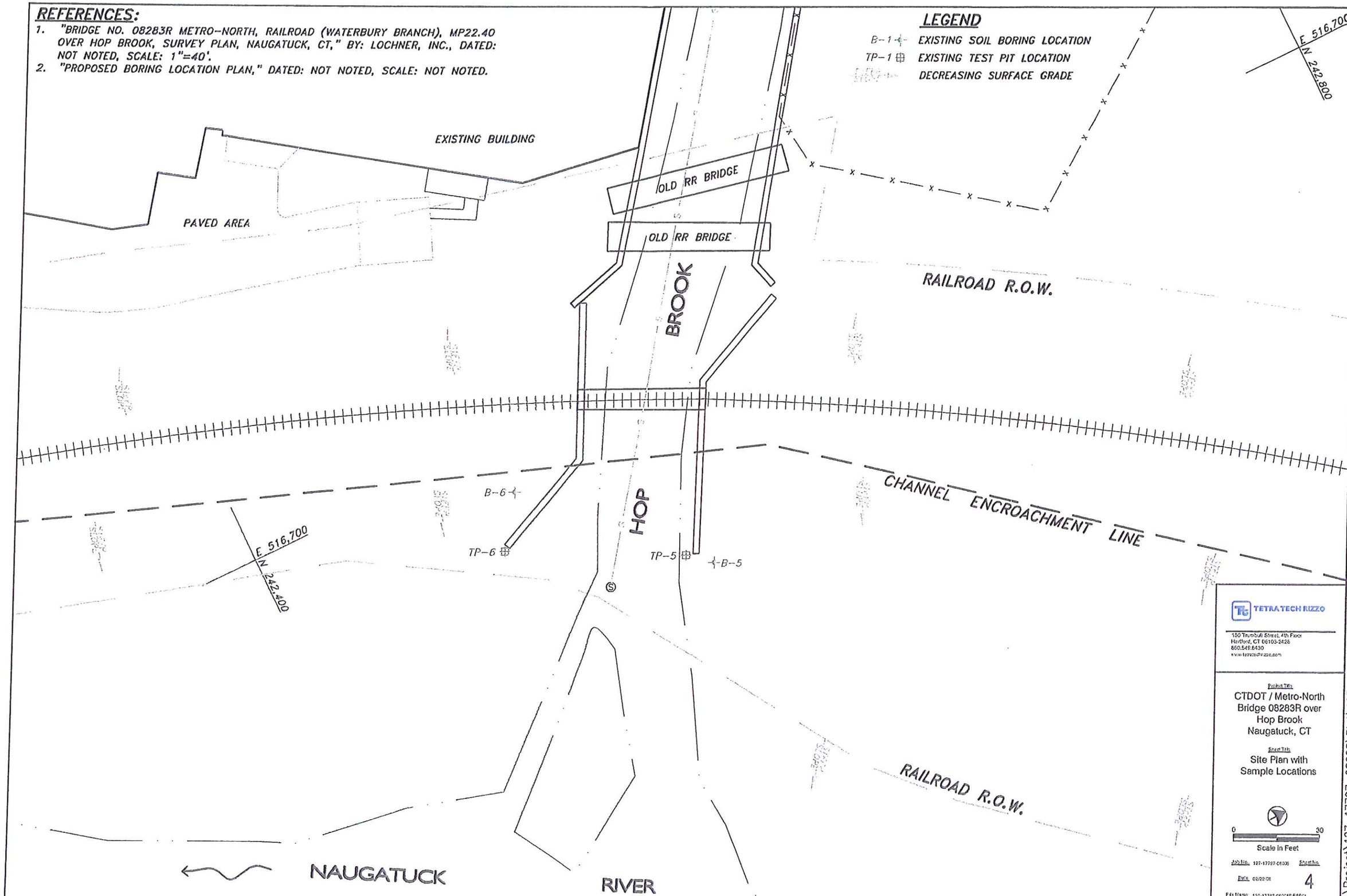
J:\Project\127-17797-08008\Plot\127-17797-08008P-ESP01.dwg 2/29/2008 11:54:11 AM EST

REFERENCES:

1. "BRIDGE NO. 08283R METRO-NORTH, RAILROAD (WATERBURY BRANCH), MP22.40 OVER HOP BROOK, SURVEY PLAN, NAUGATUCK, CT," BY: LOCHNER, INC., DATED: NOT NOTED, SCALE: 1"=40'.
2. "PROPOSED BORING LOCATION PLAN," DATED: NOT NOTED, SCALE: NOT NOTED.

LEGEND

B-1 EXISTING SOIL BORING LOCATION
TP-1 EXISTING TEST PIT LOCATION
DECREASING SURFACE GRADE



TETRA TECH RIZZO
150 Trumbull Street, 4th Floor
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Project Title
CTDOT / Metro-North Bridge 08283R over Hop Brook Naugatuck, CT

Sheet Title
Site Plan with Sample Locations

0 30
Scale in Feet

Job No. 127-17797-08008 Sheet No. 4
Date 02/29/08
File Name 127-17797-08008P-ESP01

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Appendix A

Appendix A: Limitations

1. The observations described in this report were made under the conditions stated therein. The conclusions presented in the report were based solely upon the services described therein, and not on scientific tasks or procedures beyond the scope of described services or the time and budgetary constraints imposed by Client. The work described in this report was carried out in accordance with the Terms and Conditions in our contract.

2. In preparing this report, Tetra Tech Rizzos has relied on certain information provided by state and local officials and other parties referenced therein, and on information contained in the files of state and/or local agencies available to Tetra Tech Rizzo at the time of the site assessment. Although there may have been some degree of overlap in the information provided by these various sources, Tetra Tech Rizzo did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this site assessment.

3. Observations were made of the Site and of structures on the Site as indicated within the report. Where access to portions of the Site or to structures on the Site was unavailable or limited, Tetra Tech Rizzo renders no opinion as to the presence of hazardous materials or oil, or to the presence of indirect evidence relating to hazardous material or oil, in that portion of the Site or structure. In addition, Tetra Tech Rizzo renders no opinion as to the presence of hazardous material or oil, or the presence of indirect evidence relating to hazardous material or oil, where direct observation of the interior walls, floor, or ceiling of a structure on a Site was obstructed by objects or coverings on or over these surfaces.

4. Tetra Tech Rizzo did not perform testing or analyses to determine the presence or concentration of asbestos at the Site or in the environment at the Site.

5. It is ENGINEER's understanding that the purpose of this report is to assess the physical characteristics of the subject Site with respect to the presence on the Site of hazardous material or oil. This stated purpose has been a significant factor in determining the scope and level of services provided for in the Agreement. Should the purpose for which the Report is to be used or the proposed use of the site(s) change, this Report is no longer valid and use of this Report by CLIENT or others without ENGINEER's review and written authorization shall be at the user's sole risk. Should ENGINEER be required to review the Report after its date of submission, ENGINEER shall be entitled to additional compensation at then existing rates or such other terms as agreed between ENGINEER and the CLIENT.

6. The conclusions and recommendations contained in this report are based in part, where noted, upon the data obtained from a limited number of soil samples obtained from widely spaced subsurface explorations. The nature and extent of variations between these explorations may not become evident until further exploration. If variations or other latent conditions then appear evident, it will be necessary to reevaluate the conclusions and recommendations of this report.

7. Any water level readings made in test pits, borings, and/or observation wells were made at the times and under the conditions stated on the report. However, it must be noted that fluctuations in the level of groundwater may occur due to variations in rainfall and other factors different from those prevailing at the time measurements were made.

8. Except as noted within the text of the report, no quantitative laboratory testing was performed as part of the site assessment. Where such analyses have been conducted by an outside laboratory, Tetra Tech Rizzo has relied upon the data provided and has not conducted an independent evaluation of the reliability of these data.

9. The conclusions and recommendations contained in this report are based in part, where noted, upon various types of chemical data and are contingent upon their validity. These data have been reviewed and interpretations made in the report. As indicated within the report, some of these data may be preliminary screening level data and should be confirmed with quantitative analyses if more specific information is necessary. Moreover, it should be noted that variations in the types and concentrations of contaminants and variations in their flow paths may occur due to seasonal water table fluctuations, past disposal practices, the passage of time, and other factors. Should additional chemical data become available in the future, these data should be reviewed, and the conclusions and recommendations presented herein modified accordingly.

10. Chemical analyses have been performed for specific constituents during the course of this site assessment, as described in the text. However, it should be noted that additional chemical constituents not searched for during the current study may be present in soil and/or groundwater at the Site.

11. This Report was prepared for the exclusive use of the CLIENT. No other party is entitled to rely on the conclusions, observations, specifications, or data contained therein without the express written consent of ENGINEER.

12. The observations and conclusions described in this Report are based solely on the Scope of Services provided pursuant to the Agreement. ENGINEER has not performed any additional observations, investigations, studies, or testing not specifically stated therein. ENGINEER shall not be liable for the existence of any condition, the discovery of which required the performance of services not authorized under the Agreement.

13. The passage of time may result in significant changes in technology, economic conditions, or site variations that would render the Report inaccurate. Accordingly, neither the CLIENT, nor any other party, shall rely on the information or conclusions contained in this Report after six months from its date of submission without the express written consent of ENGINEER. Reliance on the Report after such period of time shall be at the user's sole risk. Should ENGINEER be required to review the Report after six months from its date of submission, ENGINEER shall be entitled to additional compensation at then existing rates or such other terms as may be agreed upon between ENGINEER and the CLIENT.

14. ENGINEER has endeavored to perform its services based upon engineering practices accepted at the time they were performed. ENGINEER makes no other representations, express or implied, regarding the information, data, analysis, calculations, and conclusions contained herein.

15. The services provided by ENGINEER do not include legal advice. Legal counsel should be consulted regarding interpretation of applicable and relevant federal, state, and local statutes and regulations and other legal matters.

Appendix A: Firm Qualifications

Tetra Tech Rizzo company, is a leading engineering and environmental services firm. Our staff of over 150 includes civil engineers, planners, and environmental engineers and scientists who offer expertise in site/civil engineering, transportation planning and design, assessment, remediation and compliance, and natural resources. With our keen understanding of the environment's role on our clients' projects and over 20 years experience navigating the regulatory process, we have a knack for helping clients build consensus.

One aspect of our business, *assessment, remediation, and compliance,* includes four primary services that focus on environmental liability: site assessment, remedial design and implementation, regulatory compliance, and litigation support. By providing these services we help our clients identify, avoid, prevent and correct conditions that could cause environmental harm or conflict with environmental regulations.

The combination of our assessment and audit, remediation, and litigation support experience is essential to successful environmental problem solving. With this knowledge we provide clients with a certain level of confidence and tools to address the environmental issues they encounter. Tetra Tech Rizzo's hands-on experience includes the following.

- Routine site assessments and environmental audits throughout the country for industrial, commercial development, government, legal, and banking clients
- Soil gas surveys using state-of-the-art techniques, installation of soil borings and groundwater monitoring wells, and soil, sediment and groundwater sampling and analysis
- Complete remedial action projects using a range of technologies such as soil venting, vapor extraction, air stripping, air sparging, soil stabilization/solidification, and on-site low temperature thermal extraction.

Tetra Tech Rizzo is intimately familiar with the Massachusetts Contingency Plan (MCP) regulations. In fact, some of our staff have been active members of professional groups involved in drafting changes to the MCP and other pertinent regulations.

As Tetra Tech Rizzo is part of a family of companies totaling 7,000 associates in 250 offices worldwide with over 40 years of planning and design experience. As the 8th ranked engineering firm in Engineering News Record's 2004 Top 500 Design Firms, Tetra Tech provides a full range of engineering and design services. Tetra Tech is a leading provider of environmental management systems (EMS) and environmental services across the United States.

Tetra Tech Rizzo has an outstanding team of environmental engineers and scientists with a wealth of experience as demonstrated in the following brief resumes.

- **John E. Adams, L.S.P., L.E.P.** is a Senior Vice President and Regional Manager of Tetra Tech Rizzo's Hartford, Connecticut branch office with overall responsibility for the firm's Connecticut and western Massachusetts work for hazardous waste investigations through remediation. His experience includes implementation and supervision of field

investigation activities, such as chemical and hydrogeologic data collection and evaluation, and development and supervision of remediation programs for contaminated soil and groundwater. He has more than 26 years of relevant experience. Mr. Adams is a member of the State of Connecticut Board of Examiners of Environmental Professionals. Mr. Adams holds a B.S. in Biology and Geology from the University of Rochester (1978), an M.S. in Geology from the University of Rochester (1982) and an M.B.A. from the University of Connecticut. He is a registered Professional Geologist in Florida and North Carolina; a Licensed Site Professional in Massachusetts; a Licensed Environmental Professional in Connecticut and a member of the Association of Ground Water Scientists and Engineers, the National Water Well Association, the Hazardous Materials Control Research Institute, the Connecticut Ground Water Association and the and the Environmental Professionals of Connecticut. He is OSHA HAZWOPER certified and has been a practicing environmental scientist since 1981.

- **David P. Brassard, P.E., L.E.P.** is a Project Manager overseeing environmental site assessment, remediation, and compliance auditing projects. He holds a B.S. in Civil Engineering from the University of Connecticut (1990) and an A.S. in Forest Technology from the State University of New York (1983), and has been OSHA HAZWOPPER certified since 1990. With over 15 years of experience in the environmental field, Mr. Brassard has completed numerous site assessments and site investigations for private and public clients. He has been involved in the design, construction and operation of remediation's systems which include pump and treat, air spraging and, vapor extraction. Mr. Brassard is very familiar with the Connecticut Department of Environmental Protection's permitting and compliance process. As an engineer, Mr. Brassard has also been involved with the design of commercial and residential site development projects, subsurface leaching systems, storm water detention systems.

- **Adam Stannard** is a Geologist/Environmental Scientist with over three years of experience in the assessment, remediation and compliance field. His responsibilities include Phase I and II environmental assessments, soil and groundwater investigations, underground tank removals, and remedial measures implementation. He is involved in the operation of remedial systems including the preparation of monthly discharge monitoring reports, quarterly and semi-annual reports, and annual summaries. Mr. Stannard also has experience in the completion of environmental compliance application forms. He holds a B.S. in Geology and a B.S. in Environmental Science from the University of North Carolina Charlotte, is OSHA HAZWOPER certified, and has been practicing in the field since 2004.

Appendix B

Standard Operating Protocol for Completing Soil Borings and Monitoring Well Borings in Unconsolidated Surficial Deposits

1. All drilling is inspected continuously by a staff geologist or inspector. The geologist or inspector is familiar with the particular drilling program, and is responsible for ensuring that established procedures are followed. The geologist or inspector has the authority to modify the program and/or procedures when warranted by unanticipated field conditions.

2. The geologist or inspector is responsible for maintaining field notes and for keeping a well log independent of the driller.

3. All drilling equipment is steam-cleaned prior to each use. Steam cleaning is performed on the augers and/or casing, drilling rods, samplers, auger forks, lifting hooks, and other equipment needed for establishing the well. The working end of the drill rig is steam-cleaned, and the rig is generally inspected by the geologist or inspector for evidence of leaks (i.e., gasoline or diesel fuel and hydraulic fluid). Finally, well construction materials, including casing, screens, protective risers, and/or road boxes, are also steam-cleaned prior to use.

4. Soil samples are collected at five-foot intervals unless otherwise specified, and/or at changes in strata, utilizing a clean split-spoon sampler. These soil samples are used for characterizing the physical nature of the subsurface sediments and may be collected for laboratory analyses. Similarly, spoon samples may be screened in the field for contamination utilizing appropriate field analytical devices.

5. Sediments collected from the sampler or brought to the surface by the drilling process are left on-site, unless there are specific instructions to the contrary. Sediments will be screened using a photoionization detector (PID) or a flame ionization detector (FID), and the results of that screening will be used to determine the disposal method for the soil. Soils exhibiting detector responses of greater then 10 ppm will be placed in drums or will be stockpiled on and covered with polyethylene sheeting. Soils exhibiting responses of less than 10 ppm will be placed in an unlined stockpile on the site.

6. When installing a groundwater monitoring well, the well screen is set at a depth whereby it intercepts the surface of the water table, unless otherwise specified. The screen is set to extend above the highest anticipated groundwater levels to a maximum of within two feet of the land surface. The annular space between the wall of the bore hole and the screen is then packed with clean silica sand to a level one foot above the screen (to allow for settling), and then with a minimum one-foot bentonite seal. The method of backfilling the borehole above the bentonite seal will be left to the discretion of the site geologist or inspector. If the borehole creates the potential for migration of contaminants into previously uncontaminated deposits, the borehole will be filled with a portland cement and bentonite slurry. If migration of contaminants is not a concern, then the well will be backfilled with the drill cuttings if detector responses are less than 10 ppm, or with clean backfill material if detector responses are greater than 10 ppm. The final one foot is filled with cement, into which is set a protective riser with locking cap or a road box.

Standard Operating Protocol for Test Pit Excavation and Sampling

Purpose

Test pit and trenches are excavated with backhoe equipment to provide detailed visual examination of near surface soil, groundwater, and bedrock conditions. The advantages of test pits over soil borings are as follows:

- The near surface stratigraphy is exposed, making sample collection and recovery easier in addition to the logging of soils, water levels, and bedrock surface.
- Information is provided on the lateral and vertical extent of subsurface features.

Site-specific safety issues (i.e., test pit stability, contamination potential, and impacts to groundwater) should be considered when designing a test pit program.

- Installation of monitoring wells in test pits is not recommended.
- Samples for volatile organic compounds should not be collected from test pit excavations.

Procedures

- Contact DIG SAFE at (800) DIG-SAFE prior to any subsurface investigation. In addition, contact local utilities that may have underground services on or near the Site.
- Mark the location of potential test pits to the nearest foot.
- At the direction of the geologist on-site, the backhoe operator will excavate the test pit in increments.
- At each increment, the geologist will inspect the test pit and decide whether to collect samples.
- Test pit excavations will cease if any of the following occurs:

  - Distinct changes in stratigraphy or materials
  - Odors
  - Groundwater or fluid phase contaminants
  - Drums or other potential waste containers
  - Utilities not previously identified

  Excavation will resume only at the direction of the geologist on Site.

Unless otherwise specified and the site-specific Health and Safety Plan discusses appropriate procedures, no personnel will enter the test pit. In addition, all test pits will be backfilled on the

day of excavation. In most cases, excavation materials will be used to fill the test pit. In the event that highly contaminated material is excavated and it is expected that it will be more cost-effective to remove the soil from the site rather than use it as backfill, excavated soils will be stockpiled on polypropylene and the excavation will be filled with clean soil.

Field Log Information

- At a minimum, field logs for test pit excavation will include the following documentation:
- Plan and profile sketches of the test pit showing materials encountered, the depth of materials, and sample locations
- Sketch of the test pit and distance and direction from permanent, identifiable location marks
- A description of the material removed from the excavation
- A record of samples collected
- The presence or absence of water in the test pit and the depth encountered
- The presence or absence of bedrock in the test pit and the depth encountered
- Other readings, or measurements taken during excavation, including field screening reading

APPENDIX C

Report Date:
26-Mar-08 10:52

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY
Laboratory Report

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

RECEIVED
APR 03 2008
TETRA TECH RIZZO

Tetra Tech Rizzo
150 Trumbull Street, 4th Floor
Hartford, CT 06103-2428
Attn: David Brassard

Project: Bridge #08276R-Beacon Falls, CT
Project 127-17797-08008

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA75005-01	B-1 (0-3')	Soil	25-Feb-08 09:30	27-Feb-08 12:56
SA75005-03	B-2 (0-3')	Soil	26-Feb-08 07:45	27-Feb-08 12:56
SA75005-05	TP-1 (0-2')	Soil	25-Feb-08 10:15	27-Feb-08 12:56
SA75005-06	TP-2 (0-2')	Soil	25-Feb-08 12:45	27-Feb-08 12:56

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met
Please note that this report contains 53 pages of analytical data plus Chain of Custody document(s).
This report may not be reproduced, except in full, without written approval from Spectrum Analytical Inc.

Massachusetts Certification # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

ACCREDITED IN ACCORDANCE WITH nelac

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Technical Reviewer's Initial:

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

CASE NARRATIVE:

The samples were received 4.6 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt An infrared thermometer with a tolerance of+/- 2.0 degrees Celsius was used immediately upon receipt of the samples Temperatures exceeding the +/- 2.0 degrees Celsius may affect sample results as stated in each specific method samples collected for air analysis should be collected and submitted at ambient temperature

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol(RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "BRL" (Below the Reporting Limit) in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

According to CTDEP RCP Quality Assurance and Quality Control Requirements for VOCs by method8260, SW-846 version 1, 7/28/05 Table 1A, recovery for some VOC analytes have been deemed potentially difficult Although they may still be within the recommended 70%-130% recovery range, a range has been set based on historical control limits.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

+CT ETPH

Spikes:

8021824-MS1 *Source: SA75005-01*

The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

C9-C36 Aliphatic Hydrocarbons

8021824-MSD1 *Source: SA75005-01*

The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

C9-C36 Aliphatic Hydrocarbons

Duplicates:

8021824-DUP1 *Source: SA75005-01*

Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix.

C9-C36 Aliphatic Hydrocarbons
Total Petroleum Hydrocarbons
Unidentified

SW 846 8260B

SW 846 8260B

Laboratory Control Samples:

8021845-BSD1

Analyte out of acceptance range.

2-Hexanone (MBK)
Tert-Butanol / butyl alcohol

8021911-BS1

Analyte out of acceptance range in QC spike but no reportable concentration present in sample

Chloromethane
Vinyl chloride

8021911-BSD1

Analyte out of acceptance range in QC spike but no reportable concentration present in sample

Chloromethane
Vinyl chloride

Samples:

SA75005-05 *TP-1 (0-2')*

The VOC field preserved soil sample is not within the 1:1 weight to volume ratio as recommended by SW846 methods 5030 and 5035 but may be within the 1:1 volume to volume ratio. This variance may affect the final reporting limit

SW846 1312/6010B

Laboratory Control Samples:

8030415-BS1

Analyte out of acceptance range in QC spike but no reportable concentration present in sample

Barium
Cadmium
Selenium

8030415-BSD1

Analyte out of acceptance range in QC spike but no reportable concentration present in sample

Barium
Cadmium
Selenium

SW846 1312/6010B

Spikes:

8030415-MS1 *Source: SA75005-05*

Analyte out of acceptance range in QC spike but no reportable concentration present in sample

Barium

The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and/or LCS recovery.

Cadmium
Selenium

8030415-MSD1 *Source: SA75005-05*

Analyte out of acceptance range in QC spike but no reportable concentration present in sample

Barium

The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and/or LCS recovery.

Cadmium
Selenium

8030415-PS1 *Source: SA75005-05*

Analyte out of acceptance range in QC spike but no reportable concentration present in sample

Barium

SW846 6010B

Duplicates:

8021841-DUP1 *Source: SA75005-01*

Analyses are not controlled on RPD values from sample concentrations that are less than5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit

Selenium

The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.

Chromium

SW846 7471A

Duplicates:

8021879-DUP1 *Source: SA75005-01*

The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.

Mercury

SW846 8151A

SW846 8151A

Samples:

S802567-CCV2

The response for the confirmation column was out of acceptance limits The primary column was used for all data Samples were BDL.

MCPA [2C]
MCPB [2C]

S802567-CCV4

The response for the confirmation column was out of acceptance limits The primary column was used for all data Samples were BDL.

MCPB [2C]

SW846 8270C

Laboratory Control Samples:

8021823-BS1

Analyte out of acceptance range in QC spike but no reportable concentration present in sample

Aniline

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-1 (0-3') SA75005-01	127-17797-08008	Soil	25-Feb-08 09:30	27-Feb-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	27-Feb-08	27-Feb-08	8021808	DBM
Volatile Organic Compounds						Initial weight: 4.71 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL		µg/kg dry	7.9	1	SW 846 8260B	28-Feb-08	28-Feb-08	8021845	JRO
67-64-1	Acetone	BRL		µg/kg dry	78.8	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL		µg/kg dry	7.9	1	"	"	"	"	"
71-43-2	Benzene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL		µg/kg dry	7.9	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL		µg/kg dry	7.9	1	"	"	"	"	"
75-25-2	Bromoform	BRL		µg/kg dry	7.9	1	"	"	"	"	"
74-83-9	Bromomethane	BRL		µg/kg dry	15.8	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	78.8	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL		µg/kg dry	39.4	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	7.9	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
75-00-3	Chloroethane	BRL		µg/kg dry	15.8	1	"	"	"	"	"
67-66-3	Chloroform	BRL		µg/kg dry	7.9	1	"	"	"	"	"
74-87-3	Chloromethane	BRL		µg/kg dry	15.8	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	15.8	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL		µg/kg dry	7.9	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	7.9	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL		µg/kg dry	7.9	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	15.8	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	7.9	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	7.9	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	7.9	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	7.9	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	7.9	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	78.8	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	7.9	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	78.8	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL		µg/kg dry	78.8	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/kg dry	7.9	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-1 (0-3') SA75005-01	127-17797-08008	Soil	25-Feb-08 09:30	27-Feb-08

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 4.71 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	7.9	1	SW 846 8260B	28-Feb-08	28-Feb-08	8021845	JRO
100-42-5	Styrene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	7.9	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	7.9	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
108-88-3	Toluene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	7.9	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	7.9	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	7.9	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	7.9	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL		µg/kg dry	7.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL		µg/kg dry	15.8	1	"	"	"	"	"
95-47-6	o-Xylene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	78.8	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL		µg/kg dry	7.9	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	7.9	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	7.9	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	7.9	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	78.8	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL		µg/kg dry	158	1	"	"	"	"	"
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	39.4	1	"	"	"	"	"
64-17-5	Ethanol	BRL		µg/kg dry	3940	1	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*102*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*101*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*116*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*102*		*70-130 %*			"	"	"	"	"
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	409	1	SW846 8270C	28-Feb-08	29-Feb-08	8021823	M.B
208-96-8	Acenaphthylene	BRL		µg/kg dry	409	1	"	"	"	"	"
62-53-3	Aniline	BRL		µg/kg dry	409	1	"	"	"	"	"
120-12-7	Anthracene	BRL		µg/kg dry	409	1	"	"	"	"	"
1912-24-9	Atrazine	BRL		µg/kg dry	409	1	"	"	"	"	"
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	409	1	"	"	"	"	"
92-87-5	Benzidine	BRL		µg/kg dry	409	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	409	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	409	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	409	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	409	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	409	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL		µg/kg dry	409	1	"	"	"	"	"
100-51-6	Benzyl alcohol	BRL		µg/kg dry	409	1	"	"	"	"	"

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-1 (0-3') SA75005-01	127-17797-08008	Soil	25-Feb-08 09:30	27-Feb-08

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	409	1	SW846 8270C	28-Feb-08	29-Feb-08	8021823	M.B
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	409	1	"	"	"	"	"
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	409	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	409	1	"	"	"	"	"
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	409	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	409	1	"	"	"	"	"
86-74-8	Carbazole	BRL		µg/kg dry	409	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	409	1	"	"	"	"	"
106-47-8	4-Chloroaniline	BRL		µg/kg dry	409	1	"	"	"	"	"
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	409	1	"	"	"	"	"
95-57-8	2-Chlorophenol	BRL		µg/kg dry	409	1	"	"	"	"	"
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	409	1	"	"	"	"	"
218-01-9	Chrysene	BRL		µg/kg dry	409	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	409	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL		µg/kg dry	409	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	409	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	409	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	409	1	"	"	"	"	"
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	409	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	409	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL		µg/kg dry	409	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	409	1	"	"	"	"	"
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	409	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	409	1	"	"	"	"	"
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	409	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	409	1	"	"	"	"	"
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	409	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	409	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	409	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL		µg/kg dry	409	1	"	"	"	"	"
86-73-7	Fluorene	BRL		µg/kg dry	409	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	409	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	409	1	"	"	"	"	"
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	409	1	"	"	"	"	"
67-72-1	Hexachloroethane	BRL		µg/kg dry	409	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	409	1	"	"	"	"	"
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	409	1	"	"	"	"	"
78-59-1	Isophorone	BRL		µg/kg dry	409	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	409	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL		µg/kg dry	409	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL		µg/kg dry	409	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/kg dry	409	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL		µg/kg dry	409	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL		µg/kg dry	409	1	"	"	"	"	"
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1640	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL		µg/kg dry	409	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL		µg/kg dry	409	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1640	1	"	"	"	"	"
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	409	1	"	"	"	"	"
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	409	1	"	"	"	"	"

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-1 (0-3') SA75005-01	127-17797-08008	Soil	25-Feb-08 09:30	27-Feb-08

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	409	1	SW846 8270C	28-Feb-08	29-Feb-08	8021823	M.B
87-86-5	Pentachlorophenol	BRL		µg/kg dry	409	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL		µg/kg dry	409	1	"	"	"	"	"
108-95-2	Phenol	BRL		µg/kg dry	409	1	"	"	"	"	"
129-00-0	Pyrene	BRL		µg/kg dry	409	1	"	"	"	"	"
110-86-1	Pyridine	BRL		µg/kg dry	409	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	409	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	409	1	"	"	"	"	"
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	409	1	"	"	"	"	"
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	409	1	"	"	"	"	"
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	409	1	"	"	"	"	"
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*53*		*30-130 %*			"	"	"	"	"
367-12-4	*2-Fluorophenol*	*58*		*15-110 %*			"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*49*		*30-130 %*			"	"	"	"	"
4165-62-2	*Phenol-d5*	*45*		*15-110 %*			"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*57*		*30-130 %*			"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*58*		*15-110 %*			"	"	"	"	"
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	24.5	1	SW846 8082	28-Feb-08	29-Feb-08	8021822	IMR
11104-28-2	PCB 1221	BRL		µg/kg dry	24.5	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL		µg/kg dry	24.5	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL		µg/kg dry	24.5	1	"	"	"	"	"
12672-29-6	PCB 1248	BRL		µg/kg dry	24.5	1	"	"	"	"	"
11097-69-1	PCB 1254	BRL		µg/kg dry	24.5	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL		µg/kg dry	24.5	1	"	"	"	"	"
37324-23-5	PCB 1262	BRL		µg/kg dry	24.5	1	"	"	"	"	"
11100-14-4	PCB 1268	BRL		µg/kg dry	24.5	1	"	"	"	"	"
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*64*		*30-150 %*			"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*68*		*30-150 %*			"	"	"	"	"
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	28-Feb-08	29-Feb-08	8021829	MAL
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	"
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	"
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	"
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	"
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	"
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	"
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	"
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	"
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	"
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	"
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*43*		*30-150 %*			"	"	"	"	"
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-1 (0-3') SA75005-01	127-17797-08008	Soil	25-Feb-08 09:30	27-Feb-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	16.5	1	+CT ETPH	28-Feb-08	29-Feb-08	8021824	MH
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	16.5	1	"	"	"	"	"
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	16.5	1	"	"	"	"	"
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	16.5	1	"	"	"	"	"
M09800000	Motor Oil	BRL		mg/kg dry	16.5	1	"	"	"	"	"
J00100000	Aviation Fuel	BRL		mg/kg dry	16.5	1	"	"	"	"	"
	Unidentified	31.9		mg/kg dry	16.5	1	"	"	"	"	"
	Other Oil	Calculated as		mg/kg dry	16.5	1	"	"	"	"	"
	Total Petroleum Hydrocarbons	31.9		mg/kg dry	16.5	1	"	"	"	"	"
	C9-C36 Aliphatic Hydrocarbons	31.9		mg/kg dry	16.5	1	"	"	"	"	"
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*54*		*50-150 %*			"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.71	1	SW846 6010B	28-Feb-08	29-Feb-08	8021841	SA
7440-38-2	Arsenic	BRL		mg/kg dry	1.71	1	"	"	"	"	"
7440-39-3	Barium	60.7		mg/kg dry	1.14	1	"	"	"	"	"
7440-43-9	Cadmium	BRL		mg/kg dry	0.568	1	"	"	"	"	"
7440-47-3	Chromium	41.5		mg/kg dry	1.14	1	"	"	"	"	"
7439-97-6	Mercury	BRL		mg/kg dry	0.0340	1	SW846 7471A	"	29-Feb-08	8021879	CRM
7439-92-1	Lead	123		mg/kg dry	1.71	1	SW846 6010B	"	29-Feb-08	8021841	SA
7782-49-2	Selenium	BRL		mg/kg dry	1.71	1	"	"	"	"	"
General Chemistry Parameters											
	% Solids	80.1		%		1	SM2540 G Mod.	27-Feb-08	27-Feb-08	8021809	DBM

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-2 (0-3') SA75005-03	127-17797-08008	Soil	26-Feb-08 07:45	27-Feb-08

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	27-Feb-08	27-Feb-08	8021808	DBM
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.34 g					
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL		µg/kg dry	5.7	1	SW 846 8260B	28-Feb-08	28-Feb-08	8021845	JRO
67-64-1	Acetone	BRL		µg/kg dry	56.6	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.7	1	"	"	"	"	"
71-43-2	Benzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.7	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.7	1	"	"	"	"	"
75-25-2	Bromoform	BRL		µg/kg dry	5.7	1	"	"	"	"	"
74-83-9	Bromomethane	BRL		µg/kg dry	11.3	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	56.6	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL		µg/kg dry	28.3	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.7	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"
75-00-3	Chloroethane	BRL		µg/kg dry	11.3	1	"	"	"	"	"
67-66-3	Chloroform	BRL		µg/kg dry	5.7	1	"	"	"	"	"
74-87-3	Chloromethane	BRL		µg/kg dry	11.3	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.7	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.7	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	11.3	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.7	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.7	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL		µg/kg dry	5.7	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	11.3	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.7	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.7	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.7	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.7	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.7	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.7	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.7	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.7	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.7	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.7	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	56.6	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.7	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.7	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	56.6	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL		µg/kg dry	56.6	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/kg dry	5.7	1	"	"	"	"	"

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-2 (0-3') SA75005-03	127-17797-08008	Soil	26-Feb-08 07:45	27-Feb-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.34 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.7	1	SW 846 8260B	28-Feb-08	28-Feb-08	8021845	JRO
100-42-5	Styrene	BRL		µg/kg dry	5.7	1	"	"	"	"	"
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.7	1	"	"	"	"	"
108-88-3	Toluene	BRL		µg/kg dry	5.7	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL		µg/kg dry	5.7	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.7	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.7	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.7	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL		µg/kg dry	11.3	1	"	"	"	"	"
95-47-6	o-Xylene	BRL		µg/kg dry	5.7	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	56.6	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL		µg/kg dry	5.7	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.7	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.7	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.7	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	56.6	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL		µg/kg dry	113	1	"	"	"	"	"
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	28.3	1	"	"	"	"	"
64-17-5	Ethanol	BRL		µg/kg dry	2830	1	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*101*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*100*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*116*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*103*		*70-130 %*			"	"	"	"	"
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	360	1	SW846 8270C	28-Feb-08	29-Feb-08	8021823	M.B
208-96-8	Acenaphthylene	BRL		µg/kg dry	360	1	"	"	"	"	"
62-53-3	Aniline	BRL		µg/kg dry	360	1	"	"	"	"	"
120-12-7	Anthracene	433		µg/kg dry	360	1	"	"	"	"	"
1912-24-9	Atrazine	BRL		µg/kg dry	360	1	"	"	"	"	"
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	360	1	"	"	"	"	"
92-87-5	Benzidine	BRL		µg/kg dry	360	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	1,470		µg/kg dry	360	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	1,530		µg/kg dry	360	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	1,220		µg/kg dry	360	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	693		µg/kg dry	360	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	1,410		µg/kg dry	360	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL		µg/kg dry	360	1	"	"	"	"	"
100-51-6	Benzyl alcohol	BRL		µg/kg dry	360	1	"	"	"	"	"

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-2 (0-3') SA75005-03	127-17797-08008	Soil	26-Feb-08 07:45	27-Feb-08

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	360	1	SW846 8270C	28-Feb-08	29-Feb-08	8021823	M.B
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	360	1	"	"	"	"	"
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	360	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	360	1	"	"	"	"	"
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	360	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	360	1	"	"	"	"	"
86-74-8	Carbazole	BRL		µg/kg dry	360	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	360	1	"	"	"	"	"
106-47-8	4-Chloroaniline	BRL		µg/kg dry	360	1	"	"	"	"	"
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	360	1	"	"	"	"	"
95-57-8	2-Chlorophenol	BRL		µg/kg dry	360	1	"	"	"	"	"
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	360	1	"	"	"	"	"
218-01-9	Chrysene	1,630		µg/kg dry	360	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	360	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL		µg/kg dry	360	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	360	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	360	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	360	1	"	"	"	"	"
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	360	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	360	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL		µg/kg dry	360	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	360	1	"	"	"	"	"
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	360	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	360	1	"	"	"	"	"
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	360	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	360	1	"	"	"	"	"
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	360	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	360	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	360	1	"	"	"	"	"
206-44-0	Fluoranthene	2,950		µg/kg dry	360	1	"	"	"	"	"
86-73-7	Fluorene	BRL		µg/kg dry	360	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	360	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	360	1	"	"	"	"	"
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	360	1	"	"	"	"	"
67-72-1	Hexachloroethane	BRL		µg/kg dry	360	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	718		µg/kg dry	360	1	"	"	"	"	"
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	360	1	"	"	"	"	"
78-59-1	Isophorone	BRL		µg/kg dry	360	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	360	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL		µg/kg dry	360	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL		µg/kg dry	360	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/kg dry	360	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL		µg/kg dry	360	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL		µg/kg dry	360	1	"	"	"	"	"
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1440	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL		µg/kg dry	360	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL		µg/kg dry	360	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1440	1	"	"	"	"	"
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	360	1	"	"	"	"	"
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	360	1	"	"	"	"	"

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-2 (0-3') SA75005-03	127-17797-08008	Soil	26-Feb-08 07:45	27-Feb-08

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	360	1	SW846 8270C	28-Feb-08	29-Feb-08	8021823	M.B
87-86-5	Pentachlorophenol	BRL		µg/kg dry	360	1	"	"	"	"	"
85-01-8	Phenanthrene	1,400		µg/kg dry	360	1	"	"	"	"	"
108-95-2	Phenol	BRL		µg/kg dry	360	1	"	"	"	"	"
129-00-0	Pyrene	3,320		µg/kg dry	360	1	"	"	"	"	"
110-86-1	Pyridine	BRL		µg/kg dry	360	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	360	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	360	1	"	"	"	"	"
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	360	1	"	"	"	"	"
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	360	1	"	"	"	"	"
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	360	1	"	"	"	"	"
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*59*		*30-130 %*			"	"	"	"	"
367-12-4	*2-Fluorophenol*	*63*		*15-110 %*			"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*53*		*30-130 %*			"	"	"	"	"
4165-62-2	*Phenol-d5*	*48*		*15-110 %*			"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*66*		*30-130 %*			"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*65*		*15-110 %*			"	"	"	"	"
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	21.6	1	SW846 8082	28-Feb-08	29-Feb-08	8021822	IMR
11104-28-2	PCB 1221	BRL		µg/kg dry	21.6	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL		µg/kg dry	21.6	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL		µg/kg dry	21.6	1	"	"	"	"	"
12672-29-6	PCB 1248	BRL		µg/kg dry	21.6	1	"	"	"	"	"
11097-69-1	PCB 1254	BRL		µg/kg dry	21.6	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL		µg/kg dry	21.6	1	"	"	"	"	"
37324-23-5	PCB 1262	BRL		µg/kg dry	21.6	1	"	"	"	"	"
11100-14-4	PCB 1268	BRL		µg/kg dry	21.6	1	"	"	"	"	"
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*		*30-150 %*			"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*		*30-150 %*			"	"	"	"	"
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	28-Feb-08	29-Feb-08	8021829	MAL
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	"
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	"
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	"
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	"
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	"
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	"
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	"
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	"
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	"
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	"
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*36*		*30-150 %*			"	"	"	"	"
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-2 (0-3') SA75005-03	127-17797-08008	Soil	26-Feb-08 07:45	27-Feb-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	14.5	1	+CT ETPH	28-Feb-08	29-Feb-08	8021824	MH
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	14.5	1	"	"	"	"	"
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	14.5	1	"	"	"	"	"
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	14.5	1	"	"	"	"	"
M09800000	Motor Oil	BRL		mg/kg dry	14.5	1	"	"	"	"	"
J00100000	Aviation Fuel	BRL		mg/kg dry	14.5	1	"	"	"	"	"
	Unidentified	161		mg/kg dry	14.5	1	"	"	"	"	"
	Other Oil	Calculated as		mg/kg dry	14.5	1	"	"	"	"	"
	Total Petroleum Hydrocarbons	161		mg/kg dry	14.5	1	"	"	"	"	"
	C9-C36 Aliphatic Hydrocarbons	161		mg/kg dry	14.5	1	"	"	"	"	"
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*53*		*50-150 %*			"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.56	1	SW846 6010B	28-Feb-08	29-Feb-08	8021841	SA
7440-38-2	Arsenic	BRL		mg/kg dry	1.56	1	"	"	"	"	"
7440-39-3	Barium	62.2		mg/kg dry	1.04	1	"	"	"	"	"
7440-43-9	Cadmium	1.17		mg/kg dry	0.521	1	"	"	"	"	"
7440-47-3	Chromium	94.5		mg/kg dry	1.04	1	"	"	"	"	"
7439-97-6	Mercury	0.401		mg/kg dry	0.0319	1	SW846 7471A	"	29-Feb-08	8021879	CRM
7439-92-1	Lead	96.3		mg/kg dry	1.56	1	SW846 6010B	"	29-Feb-08	8021841	SA
7782-49-2	Selenium	BRL		mg/kg dry	1.56	1	"	"	"	"	"
General Chemistry Parameters											
	% Solids	90.8		%		1	SM2540 G Mod.	27-Feb-08	27-Feb-08	8021809	DBM

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-1 (0-2') SA75005-05	127-17797-08008	Soil	25-Feb-08 10:15	27-Feb-08

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	27-Feb-08	27-Feb-08	8021808	DBM
Volatile Organic Compounds			VC10			Initial weight: 3.3 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL		µg/kg dry	11.4	1	SW 846 8260B	29-Feb-08	29-Feb-08	8021911	jro
67-64-1	Acetone	BRL		µg/kg dry	114	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL		µg/kg dry	11.4	1	"	"	"	"	"
71-43-2	Benzene	BRL		µg/kg dry	11.4	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL		µg/kg dry	11.4	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL		µg/kg dry	11.4	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL		µg/kg dry	11.4	1	"	"	"	"	"
75-25-2	Bromoform	BRL		µg/kg dry	11.4	1	"	"	"	"	"
74-83-9	Bromomethane	BRL		µg/kg dry	22.7	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	114	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL		µg/kg dry	11.4	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	11.4	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	11.4	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL		µg/kg dry	56.8	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	11.4	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL		µg/kg dry	11.4	1	"	"	"	"	"
75-00-3	Chloroethane	BRL		µg/kg dry	22.7	1	"	"	"	"	"
67-66-3	Chloroform	BRL		µg/kg dry	11.4	1	"	"	"	"	"
74-87-3	Chloromethane	BRL		µg/kg dry	22.7	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	11.4	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	11.4	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	22.7	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL		µg/kg dry	11.4	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	11.4	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL		µg/kg dry	11.4	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	11.4	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	11.4	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	11.4	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	22.7	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	11.4	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	11.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	11.4	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	11.4	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	11.4	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	11.4	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	11.4	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	11.4	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	11.4	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	11.4	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	11.4	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL		µg/kg dry	11.4	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	11.4	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	114	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL		µg/kg dry	11.4	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	11.4	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	11.4	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	114	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL		µg/kg dry	114	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/kg dry	11.4	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-1 (0-2') SA75005-05	127-17797-08008	Soil	25-Feb-08 10:15	27-Feb-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds			VC10								
Prepared by method SW846 5035A Soil (low level)						Initial weight: 3.3 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	11.4	1	SW 846 8260B	29-Feb-08	29-Feb-08	8021911	jro
100-42-5	Styrene	BRL		µg/kg dry	11.4	1	"	"	"	"	"
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	11.4	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	11.4	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL		µg/kg dry	11.4	1	"	"	"	"	"
108-88-3	Toluene	BRL		µg/kg dry	11.4	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	11.4	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	11.4	1	"	"	"	"	"
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	11.4	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	11.4	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	11.4	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL		µg/kg dry	11.4	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	11.4	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	11.4	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	11.4	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	11.4	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL		µg/kg dry	11.4	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL		µg/kg dry	22.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL		µg/kg dry	11.4	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	114	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL		µg/kg dry	11.4	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	11.4	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	11.4	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	11.4	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	114	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL		µg/kg dry	227	1	"	"	"	"	"
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	56.8	1	"	"	"	"	"
64-17-5	Ethanol	BRL		µg/kg dry	5680	1	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*91*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*99*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*119*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*104*		*70-130 %*			"	"	"	"	"
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	422	1	SW846 8270C	28-Feb-08	29-Feb-08	8021823	M.B
208-96-8	Acenaphthylene	BRL		µg/kg dry	422	1	"	"	"	"	"
62-53-3	Aniline	BRL		µg/kg dry	422	1	"	"	"	"	"
120-12-7	Anthracene	BRL		µg/kg dry	422	1	"	"	"	"	"
1912-24-9	Atrazine	BRL		µg/kg dry	422	1	"	"	"	"	"
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	422	1	"	"	"	"	"
92-87-5	Benzidine	BRL		µg/kg dry	422	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	576		µg/kg dry	422	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	643		µg/kg dry	422	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	595		µg/kg dry	422	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	422	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	770		µg/kg dry	422	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL		µg/kg dry	422	1	"	"	"	"	"
100-51-6	Benzyl alcohol	BRL		µg/kg dry	422	1	"	"	"	"	"

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-1 (0-2') SA75005-05	127-17797-08008	Soil	25-Feb-08 10:15	27-Feb-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	422	1	SW846 8270C	28-Feb-08	29-Feb-08	8021823	M.B
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	422	1	"	"	"	"	"
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	422	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	422	1	"	"	"	"	"
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	422	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	422	1	"	"	"	"	"
86-74-8	Carbazole	BRL		µg/kg dry	422	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	422	1	"	"	"	"	"
106-47-8	4-Chloroaniline	BRL		µg/kg dry	422	1	"	"	"	"	"
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	422	1	"	"	"	"	"
95-57-8	2-Chlorophenol	BRL		µg/kg dry	422	1	"	"	"	"	"
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	422	1	"	"	"	"	"
218-01-9	Chrysene	741		µg/kg dry	422	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	422	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL		µg/kg dry	422	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	422	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	422	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	422	1	"	"	"	"	"
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	422	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	422	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL		µg/kg dry	422	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	422	1	"	"	"	"	"
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	422	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	422	1	"	"	"	"	"
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	422	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	422	1	"	"	"	"	"
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	422	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	422	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	422	1	"	"	"	"	"
206-44-0	Fluoranthene	1,420		µg/kg dry	422	1	"	"	"	"	"
86-73-7	Fluorene	BRL		µg/kg dry	422	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	422	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	422	1	"	"	"	"	"
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	422	1	"	"	"	"	"
67-72-1	Hexachloroethane	BRL		µg/kg dry	422	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	422	1	"	"	"	"	"
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	422	1	"	"	"	"	"
78-59-1	Isophorone	BRL		µg/kg dry	422	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	422	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL		µg/kg dry	422	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL		µg/kg dry	422	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/kg dry	422	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL		µg/kg dry	422	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL		µg/kg dry	422	1	"	"	"	"	"
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1690	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL		µg/kg dry	422	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL		µg/kg dry	422	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1690	1	"	"	"	"	"
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	422	1	"	"	"	"	"
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	422	1	"	"	"	"	"

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-1 (0-2') SA75005-05	127-17797-08008	Soil	25-Feb-08 10:15	27-Feb-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	422	1	SW846 8270C	28-Feb-08	29-Feb-08	8021823	M.B
87-86-5	Pentachlorophenol	BRL		µg/kg dry	422	1	"	"	"	"	"
85-01-8	Phenanthrene	692		µg/kg dry	422	1	"	"	"	"	"
108-95-2	Phenol	BRL		µg/kg dry	422	1	"	"	"	"	"
129-00-0	Pyrene	1,400		µg/kg dry	422	1	"	"	"	"	"
110-86-1	Pyridine	BRL		µg/kg dry	422	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	422	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	422	1	"	"	"	"	"
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	422	1	"	"	"	"	"
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	422	1	"	"	"	"	"
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	422	1	"	"	"	"	"
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*56*		*30-130 %*			"	"	"	"	"
367-12-4	*2-Fluorophenol*	*59*		*15-110 %*			"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*50*		*30-130 %*			"	"	"	"	"
4165-62-2	*Phenol-d5*	*45*		*15-110 %*			"	"	"	"	"
1718-51-0	*Terphenyl-d14*	*65*		*30-130 %*			"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*61*		*15-110 %*			"	"	"	"	"
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	25.9	1	SW846 8082	28-Feb-08	29-Feb-08	8021822	IMR
11104-28-2	PCB 1221	BRL		µg/kg dry	25.9	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL		µg/kg dry	25.9	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL		µg/kg dry	25.9	1	"	"	"	"	"
12672-29-6	PCB 1248	BRL		µg/kg dry	25.9	1	"	"	"	"	"
11097-69-1	PCB 1254	BRL		µg/kg dry	25.9	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL		µg/kg dry	25.9	1	"	"	"	"	"
37324-23-5	PCB 1262	BRL		µg/kg dry	25.9	1	"	"	"	"	"
11100-14-4	PCB 1268	BRL		µg/kg dry	25.9	1	"	"	"	"	"
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*39*		*30-150 %*			"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*44*		*30-150 %*			"	"	"	"	"
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	28-Feb-08	29-Feb-08	8021829	MAL
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	"
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	"
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	"
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	"
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	"
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	"
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	"
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	"
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	"
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	"
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*38*		*30-150 %*			"	"	"	"	"
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-1 (0-2') SA75005-05	127-17797-08008	Soil	25-Feb-08 10:15	27-Feb-08

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	17.0	1	+CT ETPH	28-Feb-08	29-Feb-08	8021824	MH
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	17.0	1	"	"	"	"	"
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	17.0	1	"	"	"	"	"
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	17.0	1	"	"	"	"	"
M098000000	Motor Oil	BRL		mg/kg dry	17.0	1	"	"	"	"	"
J001000000	Aviation Fuel	BRL		mg/kg dry	17.0	1	"	"	"	"	"
	Unidentified	62.1		mg/kg dry	17.0	1	"	"	"	"	"
	Other Oil	Calculated as		mg/kg dry	17.0	1	"	"	"	"	"
	Total Petroleum Hydrocarbons	62.1		mg/kg dry	17.0	1	"	"	"	"	"
	C9-C36 Aliphatic Hydrocarbons	62.1		mg/kg dry	17.0	1	"	"	"	"	"
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*50*		*50-150 %*			"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.72	1	SW846 6010B	28-Feb-08	29-Feb-08	8021841	SA
7440-38-2	Arsenic	2.77		mg/kg dry	1.72	1	"	"	"	"	"
7440-39-3	Barium	59.3		mg/kg dry	1.15	1	"	"	"	"	"
7440-43-9	Cadmium	1.27		mg/kg dry	0.573	1	"	"	"	"	"
7440-47-3	Chromium	23.8		mg/kg dry	1.15	1	"	"	"	"	"
7439-97-6	Mercury	0.223		mg/kg dry	0.0348	1	SW846 7471A	"	29-Feb-08	8021879	CRM
7439-92-1	Lead	105		mg/kg dry	1.72	1	SW846 6010B	"	29-Feb-08	8021841	SA
7782-49-2	Selenium	BRL		mg/kg dry	1.72	1	"	"	"	"	"
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	06-Mar-08	06-Mar-08	8030381	CMK
7440-22-4	Silver	BRL		mg/l	0.0100	1	SW846 1312/6010B	07-Mar-08	08-Mar-08	8030415	LR
7440-38-2	Arsenic	BRL		mg/l	0.0080	1	"	"	"	"	"
7440-39-3	Barium	BRL		mg/l	0.0100	1	"	"	"	"	"
7440-43-9	Cadmium	BRL		mg/l	0.0050	1	"	"	"	"	"
7440-47-3	Chromium	BRL		mg/l	0.0100	1	"	"	"	"	"
7439-97-6	Mercury	BRL		mg/l	0.00020	1	SW846 1312/7470A	"	10-Mar-08	8030416	CRM
7439-92-1	Lead	BRL		mg/l	0.0150	1	SW846 1312/6010B	"	08-Mar-08	8030415	LR
7782-49-2	Selenium	BRL		mg/l	0.0300	1	"	"	"	"	"
General Chemistry Parameters											
	% Solids	76.8		%		1	SM2540 G Mod.	27-Feb-08	27-Feb-08	8021809	DBM

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-2 (0-2') SA75005-06	127-17797-08008	Soil	25-Feb-08 12:45	27-Feb-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	27-Feb-08	27-Feb-08	8021808	DBM
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 4.98 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL		µg/kg dry	5.6	1	SW 846 8260B	29-Feb-08	29-Feb-08	8021911	jro
67-64-1	Acetone	BRL		µg/kg dry	55.5	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.6	1	"	"	"	"	"
71-43-2	Benzene	BRL		µg/kg dry	5.6	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.6	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.6	1	"	"	"	"	"
75-25-2	Bromoform	BRL		µg/kg dry	5.6	1	"	"	"	"	"
74-83-9	Bromomethane	BRL		µg/kg dry	11.1	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	55.5	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL		µg/kg dry	27.8	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	"
75-00-3	Chloroethane	BRL		µg/kg dry	11.1	1	"	"	"	"	"
67-66-3	Chloroform	BRL		µg/kg dry	5.6	1	"	"	"	"	"
74-87-3	Chloromethane	BRL		µg/kg dry	11.1	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.6	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.6	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	11.1	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.6	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.6	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL		µg/kg dry	5.6	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	11.1	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.6	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.6	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.6	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.6	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.6	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.6	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.6	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.6	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.6	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.6	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.6	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.6	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	55.5	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.6	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.6	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	55.5	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL		µg/kg dry	55.5	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/kg dry	5.6	1	"	"	"	"	"

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-2 (0-2') SA75005-06	127-17797-08008	Soil	25-Feb-08 12:45	27-Feb-08

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 4.98 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.6	1	SW 846 8260B	29-Feb-08	29-Feb-08	8021911	jro
100-42-5	Styrene	BRL		µg/kg dry	5.6	1	"	"	"	"	"
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.6	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.6	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.6	1	"	"	"	"	"
108-88-3	Toluene	BRL		µg/kg dry	5.6	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	"
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.6	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.6	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL		µg/kg dry	5.6	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.6	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.6	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.6	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL		µg/kg dry	11.1	1	"	"	"	"	"
95-47-6	o-Xylene	BRL		µg/kg dry	5.6	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	55.5	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL		µg/kg dry	5.6	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.6	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.6	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.6	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	55.5	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL		µg/kg dry	111	1	"	"	"	"	"
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	27.8	1	"	"	"	"	"
64-17-5	Ethanol	BRL		µg/kg dry	2780	1	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*101*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*101*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*115*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*104*		*70-130 %*			"	"	"	"	"
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	337	1	SW846 8270C	28-Feb-08	29-Feb-08	8021823	M.B
208-96-8	Acenaphthylene	BRL		µg/kg dry	337	1	"	"	"	"	"
62-53-3	Aniline	BRL		µg/kg dry	337	1	"	"	"	"	"
120-12-7	Anthracene	BRL		µg/kg dry	337	1	"	"	"	"	"
1912-24-9	Atrazine	BRL		µg/kg dry	337	1	"	"	"	"	"
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	337	1	"	"	"	"	"
92-87-5	Benzidine	BRL		µg/kg dry	337	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	337	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	337	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	337	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	337	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	337	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL		µg/kg dry	337	1	"	"	"	"	"
100-51-6	Benzyl alcohol	BRL		µg/kg dry	337	1	"	"	"	"	"

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-2 (0-2') SA75005-06	127-17797-08008	Soil	25-Feb-08 12:45	27-Feb-08

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	337	1	SW846 8270C	28-Feb-08	29-Feb-08	8021823	M.B
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	337	1	"	"	"	"	"
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	337	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	337	1	"	"	"	"	"
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	337	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	337	1	"	"	"	"	"
86-74-8	Carbazole	BRL		µg/kg dry	337	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	337	1	"	"	"	"	"
106-47-8	4-Chloroaniline	BRL		µg/kg dry	337	1	"	"	"	"	"
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	337	1	"	"	"	"	"
95-57-8	2-Chlorophenol	BRL		µg/kg dry	337	1	"	"	"	"	"
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	337	1	"	"	"	"	"
218-01-9	Chrysene	BRL		µg/kg dry	337	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	337	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL		µg/kg dry	337	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	337	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	337	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	337	1	"	"	"	"	"
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	337	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	337	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL		µg/kg dry	337	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	337	1	"	"	"	"	"
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	337	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	337	1	"	"	"	"	"
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	337	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	337	1	"	"	"	"	"
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	337	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	337	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	337	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL		µg/kg dry	337	1	"	"	"	"	"
86-73-7	Fluorene	BRL		µg/kg dry	337	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	337	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	337	1	"	"	"	"	"
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	337	1	"	"	"	"	"
67-72-1	Hexachloroethane	BRL		µg/kg dry	337	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	337	1	"	"	"	"	"
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	337	1	"	"	"	"	"
78-59-1	Isophorone	BRL		µg/kg dry	337	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	337	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL		µg/kg dry	337	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL		µg/kg dry	337	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/kg dry	337	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL		µg/kg dry	337	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL		µg/kg dry	337	1	"	"	"	"	"
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1350	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL		µg/kg dry	337	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL		µg/kg dry	337	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1350	1	"	"	"	"	"
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	337	1	"	"	"	"	"
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	337	1	"	"	"	"	"

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-2 (0-2') SA75005-06	127-17797-08008	Soil	25-Feb-08 12:45	27-Feb-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	337	1	SW846 8270C	28-Feb-08	29-Feb-08	8021823	MB
87-86-5	Pentachlorophenol	BRL		µg/kg dry	337	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL		µg/kg dry	337	1	"	"	"	"	"
108-95-2	Phenol	BRL		µg/kg dry	337	1	"	"	"	"	"
129-00-0	Pyrene	BRL		µg/kg dry	337	1	"	"	"	"	"
110-86-1	Pyridine	BRL		µg/kg dry	337	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	337	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	337	1	"	"	"	"	"
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	337	1	"	"	"	"	"
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	337	1	"	"	"	"	"
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	337	1	"	"	"	"	"
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*60*		*30-130 %*			"	"	"	"	"
367-12-4	*2-Fluorophenol*	*65*		*15-110 %*			"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*54*		*30-130 %*			"	"	"	"	"
4165-62-2	*Phenol-d5*	*50*		*15-110 %*			"	"	"	"	"
1718-51-0	*Terphenyl-d14*	*70*		*30-130 %*			"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*64*		*15-110 %*			"	"	"	"	"
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	20.6	1	SW846 8082	28-Feb-08	29-Feb-08	8021822	IMR
11104-28-2	PCB 1221	BRL		µg/kg dry	20.6	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL		µg/kg dry	20.6	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL		µg/kg dry	20.6	1	"	"	"	"	"
12672-29-6	PCB 1248	BRL		µg/kg dry	20.6	1	"	"	"	"	"
11097-69-1	PCB 1254	BRL		µg/kg dry	20.6	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL		µg/kg dry	20.6	1	"	"	"	"	"
37324-23-5	PCB 1262	BRL		µg/kg dry	20.6	1	"	"	"	"	"
11100-14-4	PCB 1268	BRL		µg/kg dry	20.6	1	"	"	"	"	"
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*72*		*30-150 %*			"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*73*		*30-150 %*			"	"	"	"	"
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	28-Feb-08	29-Feb-08	8021829	MAL
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	"
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	"
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	"
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	"
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	"
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	"
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	"
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	"
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	"
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	"
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*34*		*30-150 %*			"	"	"	"	"
Extractable Petroleum Hydrocarbons											

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-2 (0-2') SA75005-06	127-17797-08008	Soil	25-Feb-08 12:45	27-Feb-08

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	13.6	1	+CT ETPH	28-Feb-08	29-Feb-08	8021824	MH
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	13.6	1	"	"	"	"	"
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	13.6	1	"	"	"	"	"
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	13.6	1	"	"	"	"	"
M09800000	Motor Oil	BRL		mg/kg dry	13.6	1	"	"	"	"	"
J00100000	Aviation Fuel	BRL		mg/kg dry	13.6	1	"	"	"	"	"
	Unidentified	BRL		mg/kg dry	13.6	1	"	"	"	"	"
	Other Oil	BRL		mg/kg dry	13.6	1	"	"	"	"	"
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	13.6	1	"	"	"	"	"
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	13.6	1	"	"	"	"	"
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*53*		*50-150 %*			"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.54	1	SW846 6010B	28-Feb-08	29-Feb-08	8021841	SA
7440-38-2	Arsenic	BRL		mg/kg dry	1.54	1	"	"	"	"	"
7440-39-3	Barium	17.5		mg/kg dry	1.03	1	"	"	"	"	"
7440-43-9	Cadmium	BRL		mg/kg dry	0.514	1	"	"	"	"	"
7440-47-3	Chromium	7.24		mg/kg dry	1.03	1	"	"	"	"	"
7439-97-6	Mercury	BRL		mg/kg dry	0.0292	1	SW846 7471A	"	29-Feb-08	8021879	CRM
7439-92-1	Lead	11.8		mg/kg dry	1.54	1	SW846 6010B	"	29-Feb-08	8021841	SA
7782-49-2	Selenium	BRL		mg/kg dry	1.54	1	"	"	"	"	"
General Chemistry Parameters											
	% Solids	94.9		%		1	SM2540 G Mod.	27-Feb-08	27-Feb-08	8021809	DBM

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8021845 - SW846 5035A Soil (low level)										
Blank (8021845-BLK1)										
Prepared & Analyzed: 28-Feb-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	25.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	50.0						
Naphthalene	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8021845 - SW846 5035A Soil (low level)										
Blank (8021845-BLK1)										
Prepared & Analyzed: 28-Feb-08										
n-Propylbenzene	BRL		µg/kg wet	5.0						
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	50.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2500						
Surrogate: 4-Bromofluorobenzene	*BRL*		µg/kg wet		*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*50.3*		µg/kg wet		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*57.5*		µg/kg wet		*50.0*		*115*	*70-130*		
Surrogate: Dibromofluoromethane	*50.7*		µg/kg wet		*50.0*		*101*	*70-130*		
LCS (8021845-BS1)										
Prepared & Analyzed: 28-Feb-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	21.5		µg/kg wet		20.0		108	70-130		
Acetone	12.7		µg/kg wet		20.0		64	24.9-167		
Acrylonitrile	19.6		µg/kg wet		20.0		98	70-130		
Benzene	23.5		µg/kg wet		20.0		117	70-130		
Bromobenzene	22.6		µg/kg wet		20.0		113	70-130		
Bromochloromethane	22.3		µg/kg wet		20.0		112	70-130		
Bromodichloromethane	22.9		µg/kg wet		20.0		115	70-130		
Bromoform	21.5		µg/kg wet		20.0		108	70-130		
Bromomethane	22.6		µg/kg wet		20.0		113	57.4-139		
2-Butanone (MEK)	14.9		µg/kg wet		20.0		74	46.9-141		
n-Butylbenzene	22.0		µg/kg wet		20.0		110	70-130		
sec-Butylbenzene	22.7		µg/kg wet		20.0		114	70-130		
tert-Butylbenzene	23.4		µg/kg wet		20.0		117	70-130		
Carbon disulfide	22.0		µg/kg wet		20.0		110	70-130		
Carbon tetrachloride	22.3		µg/kg wet		20.0		111	70-130		
Chlorobenzene	23.2		µg/kg wet		20.0		116	70-130		

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8021845 - SW846 5035A Soil (low level)										
LCS (8021845-BS1)										
Prepared & Analyzed: 28-Feb-08										
Chloroethane	23.4		µg/kg wet		20.0		117	60.5-131		
Chloroform	23.3		µg/kg wet		20.0		116	70-130		
Chloromethane	24.5		µg/kg wet		20.0		123	70-130		
2-Chlorotoluene	22.4		µg/kg wet		20.0		112	70-130		
4-Chlorotoluene	22.3		µg/kg wet		20.0		111	70-130		
1,2-Dibromo-3-chloropropane	19.0		µg/kg wet		20.0		95	70-130		
Dibromochloromethane	22.0		µg/kg wet		20.0		110	70-130		
1,2-Dibromoethane (EDB)	21.0		µg/kg wet		20.0		105	70-130		
Dibromomethane	22.2		µg/kg wet		20.0		111	70-130		
1,2-Dichlorobenzene	22.5		µg/kg wet		20.0		113	70-130		
1,3-Dichlorobenzene	22.8		µg/kg wet		20.0		114	70-130		
1,4-Dichlorobenzene	22.1		µg/kg wet		20.0		110	70-130		
Dichlorodifluoromethane (Freon12)	22.2		µg/kg wet		20.0		111	47.2-175		
1,1-Dichloroethane	23.9		µg/kg wet		20.0		120	70-130		
1,2-Dichloroethane	21.5		µg/kg wet		20.0		107	70-130		
1,1-Dichloroethene	23.0		µg/kg wet		20.0		115	70-130		
cis-1,2-Dichloroethene	23.7		µg/kg wet		20.0		119	70-130		
trans-1,2-Dichloroethene	22.6		µg/kg wet		20.0		113	70-130		
1,2-Dichloropropane	23.1		µg/kg wet		20.0		116	70-130		
1,3-Dichloropropane	21.8		µg/kg wet		20.0		109	70-130		
2,2-Dichloropropane	24.1		µg/kg wet		20.0		120	70-130		
1,1-Dichloropropene	22.8		µg/kg wet		20.0		114	70-130		
cis-1,3-Dichloropropene	22.2		µg/kg wet		20.0		111	70-130		
trans-1,3-Dichloropropene	21.8		µg/kg wet		20.0		109	70-130		
Ethylbenzene	23.0		µg/kg wet		20.0		115	70-130		
Hexachlorobutadiene	19.7		µg/kg wet		20.0		98	62.4-142		
2-Hexanone (MBK)	14.1		µg/kg wet		20.0		70	70-130		
Isopropylbenzene	22.3		µg/kg wet		20.0		112	70-130		
4-Isopropyltoluene	23.4		µg/kg wet		20.0		117	70-130		
Methyl tert-butyl ether	20.6		µg/kg wet		20.0		103	70-130		
4-Methyl-2-pentanone (MIBK)	18.3		µg/kg wet		20.0		92	70-135		
Methylene chloride	21.8		µg/kg wet		20.0		109	70-130		
Naphthalene	18.5		µg/kg wet		20.0		92	70-130		
n-Propylbenzene	22.9		µg/kg wet		20.0		114	70-130		
Styrene	23.0		µg/kg wet		20.0		115	70-130		
1,1,1,2-Tetrachloroethane	22.8		µg/kg wet		20.0		114	70-130		
1,1,2,2-Tetrachloroethane	20.7		µg/kg wet		20.0		103	70-130		
Tetrachloroethene	22.7		µg/kg wet		20.0		113	70-130		
Toluene	21.0		µg/kg wet		20.0		105	70-130		
1,2,3-Trichlorobenzene	20.9		µg/kg wet		20.0		104	70-130		
1,2,4-Trichlorobenzene	20.0		µg/kg wet		20.0		100	70-130		
1,3,5-Trichlorobenzene	21.0		µg/kg wet		20.0		105	70-130		
1,1,1-Trichloroethane	23.9		µg/kg wet		20.0		119	70-130		
1,1,2-Trichloroethane	21.6		µg/kg wet		20.0		108	70-130		
Trichloroethene	22.6		µg/kg wet		20.0		113	70-130		
Trichlorofluoromethane (Freon 11)	21.6		µg/kg wet		20.0		108	70-136		
1,2,3-Trichloropropane	22.6		µg/kg wet		20.0		113	70-130		
1,2,4-Trimethylbenzene	22.4		µg/kg wet		20.0		112	70-130		
1,3,5-Trimethylbenzene	22.5		µg/kg wet		20.0		112	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8021845 - SW846 5035A Soil (low level)										
LCS (8021845-BS1)										
Prepared & Analyzed: 28-Feb-08										
Vinyl chloride	25.6		µg/kg wet		20.0		128	70-130		
m,p-Xylene	46.1		µg/kg wet		40.0		115	70-130		
o-Xylene	23.7		µg/kg wet		20.0		118	70-130		
Tetrahydrofuran	19.5		µg/kg wet		20.0		97	70-130		
Ethyl ether	21.4		µg/kg wet		20.0		107	70-130		
Tert-amyl methyl ether	19.1		µg/kg wet		20.0		96	70-130		
Ethyl tert-butyl ether	22.4		µg/kg wet		20.0		112	70-130		
Di-isopropyl ether	21.8		µg/kg wet		20.0		109	70-130		
Tert-Butanol / butyl alcohol	168		µg/kg wet		200		84	70-130		
1,4-Dioxane	180		µg/kg wet		200		90	42.2-144		
trans-1,4-Dichloro-2-butene	19.6		µg/kg wet		20.0		98	70-130		
Ethanol	379		µg/kg wet		400		95	70-130		
Surrogate: 4-Bromofluorobenzene	*50.5*		µg/kg wet		*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*50.2*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*49.3*		µg/kg wet		*50.0*		*99*	*70-130*		
Surrogate: Dibromofluoromethane	*49.1*		µg/kg wet		*50.0*		*98*	*70-130*		
LCS Dup (8021845-BSD1)										
Prepared & Analyzed: 28-Feb-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	21.0		µg/kg wet		20.0		105	70-130	3	25
Acetone	10.5		µg/kg wet		20.0		52	24.9-167	19	50
Acrylonitrile	17.2		µg/kg wet		20.0		86	70-130	13	25
Benzene	22.4		µg/kg wet		20.0		112	70-130	5	25
Bromobenzene	21.9		µg/kg wet		20.0		109	70-130	3	25
Bromochloromethane	21.4		µg/kg wet		20.0		107	70-130	4	25
Bromodichloromethane	21.7		µg/kg wet		20.0		108	70-130	5	25
Bromoform	19.2		µg/kg wet		20.0		96	70-130	12	25
Bromomethane	21.8		µg/kg wet		20.0		109	57.4-139	4	50
2-Butanone (MEK)	11.3		µg/kg wet		20.0		57	46.9-141	27	50
n-Butylbenzene	21.4		µg/kg wet		20.0		107	70-130	3	25
sec-Butylbenzene	22.0		µg/kg wet		20.0		110	70-130	3	25
tert-Butylbenzene	22.5		µg/kg wet		20.0		112	70-130	4	25
Carbon disulfide	21.3		µg/kg wet		20.0		106	70-130	3	25
Carbon tetrachloride	21.4		µg/kg wet		20.0		107	70-130	4	25
Chlorobenzene	22.5		µg/kg wet		20.0		113	70-130	3	25
Chloroethane	22.8		µg/kg wet		20.0		114	60.5-131	3	50
Chloroform	22.3		µg/kg wet		20.0		112	70-130	4	25
Chloromethane	24.1		µg/kg wet		20.0		120	70-130	2	25
2-Chlorotoluene	21.5		µg/kg wet		20.0		108	70-130	4	25
4-Chlorotoluene	21.2		µg/kg wet		20.0		106	70-130	5	25
1,2-Dibromo-3-chloropropane	16.6		µg/kg wet		20.0		83	70-130	14	25
Dibromochloromethane	20.4		µg/kg wet		20.0		102	70-130	8	50
1,2-Dibromoethane (EDB)	19.3		µg/kg wet		20.0		96	70-130	9	25
Dibromomethane	20.1		µg/kg wet		20.0		100	70-130	10	25
1,2-Dichlorobenzene	21.4		µg/kg wet		20.0		107	70-130	5	25
1,3-Dichlorobenzene	21.3		µg/kg wet		20.0		107	70-130	7	25
1,4-Dichlorobenzene	21.1		µg/kg wet		20.0		105	70-130	5	25
Dichlorodifluoromethane (Freon12)	21.8		µg/kg wet		20.0		109	47.2-175	2	50
1,1-Dichloroethane	22.9		µg/kg wet		20.0		115	70-130	4	25
1,2-Dichloroethane	20.1		µg/kg wet		20.0		100	70-130	7	25
1,1-Dichloroethene	22.4		µg/kg wet		20.0		112	70-130	3	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8021845 - SW846 5035A Soil (low level)										
LCS Dup (8021845-BSD1)										
Prepared & Analyzed: 28-Feb-08										
cis-1,2-Dichloroethene	23.0		µg/kg wet		20.0		115	70-130	3	25
trans-1,2-Dichloroethene	22.2		µg/kg wet		20.0		111	70-130	2	25
1,2-Dichloropropane	21.8		µg/kg wet		20.0		109	70-130	6	25
1,3-Dichloropropane	19.7		µg/kg wet		20.0		99	70-130	10	25
2,2-Dichloropropane	23.0		µg/kg wet		20.0		115	70-130	5	25
1,1-Dichloropropene	21.7		µg/kg wet		20.0		109	70-130	5	25
cis-1,3-Dichloropropene	20.7		µg/kg wet		20.0		104	70-130	7	25
trans-1,3-Dichloropropene	19.7		µg/kg wet		20.0		98	70-130	10	25
Ethylbenzene	22.3		µg/kg wet		20.0		111	70-130	3	25
Hexachlorobutadiene	18.9		µg/kg wet		20.0		94	62.4-142	4	50
2-Hexanone (MBK)	11.6	QC1	µg/kg wet		20.0		58	70-130	19	25
Isopropylbenzene	21.4		µg/kg wet		20.0		107	70-130	4	25
4-Isopropyltoluene	22.8		µg/kg wet		20.0		114	70-130	3	25
Methyl tert-butyl ether	18.9		µg/kg wet		20.0		94	70-130	9	25
4-Methyl-2-pentanone (MIBK)	16.6		µg/kg wet		20.0		83	70-135	10	50
Methylene chloride	20.6		µg/kg wet		20.0		103	70-130	6	25
Naphthalene	16.2		µg/kg wet		20.0		81	70-130	13	25
n-Propylbenzene	22.1		µg/kg wet		20.0		111	70-130	3	25
Styrene	21.7		µg/kg wet		20.0		109	70-130	6	25
1,1,1,2-Tetrachloroethane	21.3		µg/kg wet		20.0		106	70-130	7	25
1,1,2,2-Tetrachloroethane	18.5		µg/kg wet		20.0		93	70-130	11	25
Tetrachloroethene	22.2		µg/kg wet		20.0		111	70-130	2	25
Toluene	20.4		µg/kg wet		20.0		102	70-130	3	25
1,2,3-Trichlorobenzene	19.3		µg/kg wet		20.0		97	70-130	8	25
1,2,4-Trichlorobenzene	19.0		µg/kg wet		20.0		95	70-130	5	25
1,3,5-Trichlorobenzene	20.1		µg/kg wet		20.0		101	70-130	4	25
1,1,1-Trichloroethane	22.8		µg/kg wet		20.0		114	70-130	5	25
1,1,2-Trichloroethane	19.9		µg/kg wet		20.0		100	70-130	8	25
Trichloroethene	21.8		µg/kg wet		20.0		109	70-130	4	25
Trichlorofluoromethane (Freon 11)	21.0		µg/kg wet		20.0		105	70-136	3	50
1,2,3-Trichloropropane	19.8		µg/kg wet		20.0		99	70-130	13	25
1,2,4-Trimethylbenzene	21.3		µg/kg wet		20.0		106	70-130	5	25
1,3,5-Trimethylbenzene	21.8		µg/kg wet		20.0		109	70-130	3	25
Vinyl chloride	24.8		µg/kg wet		20.0		124	70-130	3	25
m,p-Xylene	44.6		µg/kg wet		40.0		112	70-130	3	25
o-Xylene	22.4		µg/kg wet		20.0		112	70-130	6	25
Tetrahydrofuran	15.5		µg/kg wet		20.0		77	70-130	23	25
Ethyl ether	19.9		µg/kg wet		20.0		100	70-130	7	50
Tert-amyl methyl ether	18.9		µg/kg wet		20.0		95	70-130	0.9	25
Ethyl tert-butyl ether	20.8		µg/kg wet		20.0		104	70-130	7	25
Di-isopropyl ether	20.5		µg/kg wet		20.0		103	70-130	6	25
Tert-Butanol / butyl alcohol	139	QC1	µg/kg wet		200		69	70-130	19	25
1,4-Dioxane	155		µg/kg wet		200		78	42.2-144	15	25
trans-1,4-Dichloro-2-butene	16.4		µg/kg wet		20.0		82	70-130	17	25
Ethanol	372		µg/kg wet		400		93	70-130	2	30
Surrogate: 4-Bromofluorobenzene	*50.1*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*50.4*		µg/kg wet		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*46.1*		µg/kg wet		*50.0*		*92*	*70-130*		
Surrogate: Dibromofluoromethane	*49.8*		µg/kg wet		*50.0*		*100*	*70-130*		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8021911 - SW846 5035A Soil (low level)										
Blank (8021911-BLK1)										
Prepared & Analyzed: 29-Feb-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	25.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	50.0						
Naphthalene	BRL		µg/kg wet	5.0						
n-Propylbenzene	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8021911 - SW846 5035A Soil (low level)										
Blank (8021911-BLK1)										
Prepared & Analyzed: 29-Feb-08										
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	50.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-Isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2500						
Surrogate: 4-Bromofluorobenzene	*50.8*		µg/kg wet		*50.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*50.9*		µg/kg wet		*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*55.9*		µg/kg wet		*50.0*		*112*	*70-130*		
Surrogate: Dibromofluoromethane	*51.9*		µg/kg wet		*50.0*		*104*	*70-130*		
LCS (8021911-BS1)										
Prepared & Analyzed: 29-Feb-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	25.9		µg/kg wet		20.0		130	70-130		
Acetone	16.8		µg/kg wet		20.0		84	24.9-167		
Acrylonitrile	21.8		µg/kg wet		20.0		109	70-130		
Benzene	25.9		µg/kg wet		20.0		130	70-130		
Bromobenzene	25.6		µg/kg wet		20.0		128	70-130		
Bromochloromethane	24.8		µg/kg wet		20.0		124	70-130		
Bromodichloromethane	25.6		µg/kg wet		20.0		128	70-130		
Bromoform	23.4		µg/kg wet		20.0		117	70-130		
Bromomethane	25.5		µg/kg wet		20.0		128	57.4-139		
2-Butanone (MEK)	18.3		µg/kg wet		20.0		92	46.9-141		
n-Butylbenzene	23.6		µg/kg wet		20.0		118	70-130		
sec-Butylbenzene	25.2		µg/kg wet		20.0		126	70-130		
tert-Butylbenzene	25.7		µg/kg wet		20.0		128	70-130		
Carbon disulfide	24.4		µg/kg wet		20.0		122	70-130		
Carbon tetrachloride	25.0		µg/kg wet		20.0		125	70-130		
Chlorobenzene	25.7		µg/kg wet		20.0		128	70-130		
Chloroethane	25.9		µg/kg wet		20.0		129	60.5-131		

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8021911 - SW846 5035A Soil (low level)										
LCS (8021911-BS1)										
Prepared & Analyzed: 29-Feb-08										
Chloroform	25.9		µg/kg wet		20.0		129	70-130		
Chloromethane	27.8	QC2	µg/kg wet		20.0		139	70-130		
2-Chlorotoluene	24.9		µg/kg wet		20.0		125	70-130		
4-Chlorotoluene	25.0		µg/kg wet		20.0		125	70-130		
1,2-Dibromo-3-chloropropane	21.5		µg/kg wet		20.0		108	70-130		
Dibromochloromethane	24.4		µg/kg wet		20.0		122	70-130		
1,2-Dibromoethane (EDB)	23.5		µg/kg wet		20.0		118	70-130		
Dibromomethane	24.7		µg/kg wet		20.0		123	70-130		
1,2-Dichlorobenzene	24.8		µg/kg wet		20.0		124	70-130		
1,3-Dichlorobenzene	25.4		µg/kg wet		20.0		127	70-130		
1,4-Dichlorobenzene	24.0		µg/kg wet		20.0		120	70-130		
Dichlorodifluoromethane (Freon12)	28.4		µg/kg wet		20.0		142	47.2-175		
1,1-Dichloroethane	25.6		µg/kg wet		20.0		128	70-130		
1,2-Dichloroethane	24.0		µg/kg wet		20.0		120	70-130		
1,1-Dichloroethene	25.9		µg/kg wet		20.0		129	70-130		
cis-1,2-Dichloroethene	25.7		µg/kg wet		20.0		129	70-130		
trans-1,2-Dichloroethene	25.5		µg/kg wet		20.0		127	70-130		
1,2-Dichloropropane	25.2		µg/kg wet		20.0		126	70-130		
1,3-Dichloropropane	24.0		µg/kg wet		20.0		120	70-130		
2,2-Dichloropropane	25.8		µg/kg wet		20.0		129	70-130		
1,1-Dichloropropene	25.4		µg/kg wet		20.0		127	70-130		
cis-1,3-Dichloropropene	24.8		µg/kg wet		20.0		124	70-130		
trans-1,3-Dichloropropene	23.7		µg/kg wet		20.0		119	70-130		
Ethylbenzene	25.4		µg/kg wet		20.0		127	70-130		
Hexachlorobutadiene	21.9		µg/kg wet		20.0		110	62.4-142		
2-Hexanone (MBK)	17.4		µg/kg wet		20.0		87	70-130		
Isopropylbenzene	24.6		µg/kg wet		20.0		123	70-130		
4-Isopropyltoluene	25.0		µg/kg wet		20.0		125	70-130		
Methyl tert-butyl ether	23.2		µg/kg wet		20.0		116	70-130		
4-Methyl-2-pentanone (MIBK)	21.0		µg/kg wet		20.0		105	70-135		
Methylene chloride	24.4		µg/kg wet		20.0		122	70-130		
Naphthalene	20.6		µg/kg wet		20.0		103	70-130		
n-Propylbenzene	25.3		µg/kg wet		20.0		126	70-130		
Styrene	25.4		µg/kg wet		20.0		127	70-130		
1,1,1,2-Tetrachloroethane	24.9		µg/kg wet		20.0		125	70-130		
1,1,2,2-Tetrachloroethane	22.3		µg/kg wet		20.0		112	70-130		
Tetrachloroethene	25.0		µg/kg wet		20.0		125	70-130		
Toluene	23.5		µg/kg wet		20.0		117	70-130		
1,2,3-Trichlorobenzene	23.8		µg/kg wet		20.0		119	70-130		
1,2,4-Trichlorobenzene	23.0		µg/kg wet		20.0		115	70-130		
1,3,5-Trichlorobenzene	23.2		µg/kg wet		20.0		116	70-130		
1,1,1-Trichloroethane	25.9		µg/kg wet		20.0		130	70-130		
1,1,2-Trichloroethane	24.1		µg/kg wet		20.0		121	70-130		
Trichloroethene	25.7		µg/kg wet		20.0		128	70-130		
Trichlorofluoromethane (Freon 11)	25.8		µg/kg wet		20.0		129	70-136		
1,2,3-Trichloropropane	25.1		µg/kg wet		20.0		126	70-130		
1,2,4-Trimethylbenzene	24.8		µg/kg wet		20.0		124	70-130		
1,3,5-Trimethylbenzene	25.2		µg/kg wet		20.0		126	70-130		
Vinyl chloride	28.8	QC2	µg/kg wet		20.0		144	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8021911 - SW846 5035A Soil (low level)										
LCS (8021911-BS1)										
Prepared & Analyzed: 29-Feb-08										
m,p-Xylene	51.2		µg/kg wet		40.0		128	70-130		
o-Xylene	25.7		µg/kg wet		20.0		128	70-130		
Tetrahydrofuran	21.6		µg/kg wet		20.0		108	70-130		
Ethyl ether	23.7		µg/kg wet		20.0		119	70-130		
Tert-amyl methyl ether	23.1		µg/kg wet		20.0		115	70-130		
Ethyl tert-butyl ether	24.9		µg/kg wet		20.0		124	70-130		
Di-isopropyl ether	24.2		µg/kg wet		20.0		121	70-130		
Tert-Butanol / butyl alcohol	194		µg/kg wet		200		97	70-130		
1,4-Dioxane	196		µg/kg wet		200		98	42.2-144		
trans-1,4-Dichloro-2-butene	21.1		µg/kg wet		20.0		106	70-130		
Ethanol	412		µg/kg wet		400		103	70-130		
Surrogate: 4-Bromofluorobenzene	*51.0*		µg/kg wet		*50.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*50.2*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*49.7*		µg/kg wet		*50.0*		*99*	*70-130*		
Surrogate: Dibromofluoromethane	*50.1*		µg/kg wet		*50.0*		*100*	*70-130*		
LCS Dup (8021911-BSD1)										
Prepared & Analyzed: 29-Feb-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	26.0		µg/kg wet		20.0		130	70-130	0.04	25
Acetone	13.5		µg/kg wet		20.0		68	24.9-167	22	50
Acrylonitrile	19.8		µg/kg wet		20.0		99	70-130	9	25
Benzene	25.8		µg/kg wet		20.0		129	70-130	0.3	25
Bromobenzene	24.5		µg/kg wet		20.0		123	70-130	4	25
Bromochloromethane	23.8		µg/kg wet		20.0		119	70-130	4	25
Bromodichloromethane	24.8		µg/kg wet		20.0		124	70-130	3	25
Bromoform	22.2		µg/kg wet		20.0		111	70-130	5	25
Bromomethane	25.2		µg/kg wet		20.0		126	57.4-139	1	50
2-Butanone (MEK)	15.3		µg/kg wet		20.0		77	46.9-141	18	50
n-Butylbenzene	24.3		µg/kg wet		20.0		122	70-130	3	25
sec-Butylbenzene	25.1		µg/kg wet		20.0		125	70-130	0.5	25
tert-Butylbenzene	25.9		µg/kg wet		20.0		129	70-130	0.8	25
Carbon disulfide	24.5		µg/kg wet		20.0		122	70-130	0.2	25
Carbon tetrachloride	25.0		µg/kg wet		20.0		125	70-130	0.04	25
Chlorobenzene	25.5		µg/kg wet		20.0		128	70-130	0.5	25
Chloroethane	25.5		µg/kg wet		20.0		128	60.5-131	1	50
Chloroform	25.6		µg/kg wet		20.0		128	70-130	0.9	25
Chloromethane	28.0	QC2	µg/kg wet		20.0		140	70-130	0.6	25
2-Chlorotoluene	25.2		µg/kg wet		20.0		126	70-130	1	25
4-Chlorotoluene	24.8		µg/kg wet		20.0		124	70-130	0.8	25
1,2-Dibromo-3-chloropropane	18.9		µg/kg wet		20.0		94	70-130	13	25
Dibromochloromethane	23.0		µg/kg wet		20.0		115	70-130	6	50
1,2-Dibromoethane (EDB)	21.6		µg/kg wet		20.0		108	70-130	8	25
Dibromomethane	22.5		µg/kg wet		20.0		113	70-130	9	25
1,2-Dichlorobenzene	24.2		µg/kg wet		20.0		121	70-130	3	25
1,3-Dichlorobenzene	24.9		µg/kg wet		20.0		125	70-130	2	25
1,4-Dichlorobenzene	23.8		µg/kg wet		20.0		119	70-130	1	25
Dichlorodifluoromethane (Freon12)	27.8		µg/kg wet		20.0		139	47.2-175	2	50
1,1-Dichloroethane	26.0		µg/kg wet		20.0		130	70-130	1	25
1,2-Dichloroethane	22.9		µg/kg wet		20.0		115	70-130	5	25
1,1-Dichloroethene	25.2		µg/kg wet		20.0		126	70-130	3	25
cis-1,2-Dichloroethene	25.8		µg/kg wet		20.0		129	70-130	0.4	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8021911 - SW846 5035A Soil (low level)										
LCS Dup (8021911-BSD1)										
Prepared & Analyzed: 29-Feb-08										
trans-1,2-Dichloroethene	25.0		µg/kg wet		20.0		125	70-130	2	25
1,2-Dichloropropane	24.8		µg/kg wet		20.0		124	70-130	2	25
1,3-Dichloropropane	22.1		µg/kg wet		20.0		110	70-130	8	25
2,2-Dichloropropane	25.9		µg/kg wet		20.0		130	70-130	0.5	25
1,1-Dichloropropene	25.4		µg/kg wet		20.0		127	70-130	0.04	25
cis-1,3-Dichloropropene	23.4		µg/kg wet		20.0		117	70-130	6	25
trans-1,3-Dichloropropene	22.7		µg/kg wet		20.0		114	70-130	4	25
Ethylbenzene	25.4		µg/kg wet		20.0		127	70-130	0.08	25
Hexachlorobutadiene	22.4		µg/kg wet		20.0		112	62.4-142	2	50
2-Hexanone (MBK)	15.6		µg/kg wet		20.0		78	70-130	11	25
Isopropylbenzene	24.5		µg/kg wet		20.0		122	70-130	0.6	25
4-Isopropyltoluene	25.6		µg/kg wet		20.0		128	70-130	2	25
Methyl tert-butyl ether	20.9		µg/kg wet		20.0		105	70-130	10	25
4-Methyl-2-pentanone (MIBK)	20.3		µg/kg wet		20.0		102	70-135	4	50
Methylene chloride	23.6		µg/kg wet		20.0		118	70-130	4	25
Naphthalene	18.5		µg/kg wet		20.0		93	70-130	11	25
n-Propylbenzene	25.2		µg/kg wet		20.0		126	70-130	0.2	25
Styrene	25.0		µg/kg wet		20.0		125	70-130	1	25
1,1,1,2-Tetrachloroethane	24.3		µg/kg wet		20.0		121	70-130	3	25
1,1,2,2-Tetrachloroethane	20.2		µg/kg wet		20.0		101	70-130	10	25
Tetrachloroethene	24.8		µg/kg wet		20.0		124	70-130	0.9	25
Toluene	23.2		µg/kg wet		20.0		116	70-130	1	25
1,2,3-Trichlorobenzene	22.3		µg/kg wet		20.0		112	70-130	7	25
1,2,4-Trichlorobenzene	22.1		µg/kg wet		20.0		110	70-130	4	25
1,3,5-Trichlorobenzene	23.0		µg/kg wet		20.0		115	70-130	0.5	25
1,1,1-Trichloroethane	25.8		µg/kg wet		20.0		129	70-130	0.2	25
1,1,2-Trichloroethane	22.5		µg/kg wet		20.0		113	70-130	7	25
Trichloroethene	25.1		µg/kg wet		20.0		126	70-130	2	25
Trichlorofluoromethane (Freon 11)	25.7		µg/kg wet		20.0		128	70-136	0.7	50
1,2,3-Trichloropropane	22.2		µg/kg wet		20.0		111	70-130	12	25
1,2,4-Trimethylbenzene	24.7		µg/kg wet		20.0		123	70-130	0.4	25
1,3,5-Trimethylbenzene	25.0		µg/kg wet		20.0		125	70-130	0.9	25
Vinyl chloride	29.3	QC2	µg/kg wet		20.0		146	70-130	1	25
m,p-Xylene	51.5		µg/kg wet		40.0		129	70-130	0.5	25
o-Xylene	25.8		µg/kg wet		20.0		129	70-130	0.5	25
Tetrahydrofuran	18.4		µg/kg wet		20.0		92	70-130	16	25
Ethyl ether	22.0		µg/kg wet		20.0		110	70-130	8	50
Tert-amyl methyl ether	21.6		µg/kg wet		20.0		108	70-130	7	25
Ethyl tert-butyl ether	23.8		µg/kg wet		20.0		119	70-130	4	25
Di-isopropyl ether	23.4		µg/kg wet		20.0		117	70-130	3	25
Tert-Butanol / butyl alcohol	161		µg/kg wet		200		81	70-130	18	25
1,4-Dioxane	176		µg/kg wet		200		88	42.2-144	11	25
trans-1,4-Dichloro-2-butene	18.6		µg/kg wet		20.0		93	70-130	13	25
Ethanol	373		µg/kg wet		400		93	70-130	10	30
Surrogate: 4-Bromofluorobenzene	*50.2*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*50.3*		µg/kg wet		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*46.9*		µg/kg wet		*50.0*		*94*	*70-130*		
Surrogate: Dibromofluoromethane	*50.0*		µg/kg wet		*50.0*		*100*	*70-130*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8021823 - SW846 3550B										
Blank (8021823-BLK1)										
Prepared: 28-Feb-08 Analyzed: 29-Feb-08										
Acenaphthene	BRL		µg/kg wet	165						
Acenaphthylene	BRL		µg/kg wet	165						
Aniline	BRL		µg/kg wet	165						
Anthracene	BRL		µg/kg wet	165						
Atrazine	BRL		µg/kg wet	165						
Azobenzene/Diphenyldiazine	BRL		µg/kg wet	165						
Benzidine	BRL		µg/kg wet	165						
Benzo (a) anthracene	BRL		µg/kg wet	165						
Benzo (a) pyrene	BRL		µg/kg wet	165						
Benzo (b) fluoranthene	BRL		µg/kg wet	165						
Benzo (g,h,i) perylene	BRL		µg/kg wet	165						
Benzo (k) fluoranthene	BRL		µg/kg wet	165						
Benzoic acid	BRL		µg/kg wet	165						
Benzyl alcohol	BRL		µg/kg wet	165						
Bis(2-chloroethoxy)methane	BRL		µg/kg wet	165						
Bis(2-chloroethyl)ether	BRL		µg/kg wet	165						
Bis(2-chloroisopropyl)ether	BRL		µg/kg wet	165						
Bis(2-ethylhexyl)phthalate	BRL		µg/kg wet	165						
4-Bromophenyl phenyl ether	BRL		µg/kg wet	165						
Butyl benzyl phthalate	BRL		µg/kg wet	165						
Carbazole	BRL		µg/kg wet	165						
4-Chloro-3-methylphenol	BRL		µg/kg wet	165						
4-Chloroaniline	BRL		µg/kg wet	165						
2-Chloronaphthalene	BRL		µg/kg wet	165						
2-Chlorophenol	BRL		µg/kg wet	165						
4-Chlorophenyl phenyl ether	BRL		µg/kg wet	165						
Chrysene	BRL		µg/kg wet	165						
Dibenzo (a,h) anthracene	BRL		µg/kg wet	165						
Dibenzofuran	BRL		µg/kg wet	165						
1,2-Dichlorobenzene	BRL		µg/kg wet	165						
1,3-Dichlorobenzene	BRL		µg/kg wet	165						
1,4-Dichlorobenzene	BRL		µg/kg wet	165						
3,3'-Dichlorobenzidine	BRL		µg/kg wet	165						
2,4-Dichlorophenol	BRL		µg/kg wet	165						
Diethyl phthalate	BRL		µg/kg wet	165						
Dimethyl phthalate	BRL		µg/kg wet	165						
2,4-Dimethylphenol	BRL		µg/kg wet	165						
Di-n-butyl phthalate	BRL		µg/kg wet	165						
4,6-Dinitro-2-methylphenol	BRL		µg/kg wet	165						
2,4-Dinitrophenol	BRL		µg/kg wet	165						
2,4-Dinitrotoluene	BRL		µg/kg wet	165						
2,6-Dinitrotoluene	BRL		µg/kg wet	165						
Di-n-octyl phthalate	BRL		µg/kg wet	165						
Fluoranthene	BRL		µg/kg wet	165						
Fluorene	BRL		µg/kg wet	165						
Hexachlorobenzene	BRL		µg/kg wet	165						
Hexachlorobutadiene	BRL		µg/kg wet	165						
Hexachlorocyclopentadiene	BRL		µg/kg wet	165						
Hexachloroethane	BRL		µg/kg wet	165						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8021823 - SW846 3550B										
Blank (8021823-BLK1)										
Prepared: 28-Feb-08 Analyzed: 29-Feb-08										
Indeno (1,2,3-cd) pyrene	BRL		µg/kg wet	165						
1-Methylnaphthalene	BRL		µg/kg wet	165						
Isophorone	BRL		µg/kg wet	165						
2-Methylnaphthalene	BRL		µg/kg wet	165						
2-Methylphenol	BRL		µg/kg wet	165						
3,4-Methylphenol	BRL		µg/kg wet	165						
Naphthalene	BRL		µg/kg wet	165						
2-Nitroaniline	BRL		µg/kg wet	165						
3-Nitroaniline	BRL		µg/kg wet	165						
4-Nitroaniline	BRL		µg/kg wet	660						
Nitrobenzene	BRL		µg/kg wet	165						
2-Nitrophenol	BRL		µg/kg wet	165						
4-Nitrophenol	BRL		µg/kg wet	660						
N-Nitrosodimethylamine	BRL		µg/kg wet	165						
N-Nitrosodi-n-propylamine	BRL		µg/kg wet	165						
N-Nitrosodiphenylamine	BRL		µg/kg wet	165						
Pentachlorophenol	BRL		µg/kg wet	165						
Phenanthrene	BRL		µg/kg wet	165						
Phenol	BRL		µg/kg wet	165						
Pyrene	BRL		µg/kg wet	165						
Pyridine	BRL		µg/kg wet	165						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	165						
2,4,5-Trichlorophenol	BRL		µg/kg wet	165						
2,4,6-Trichlorophenol	BRL		µg/kg wet	165						
Pentachloronitrobenzene	BRL		µg/kg wet	165						
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg wet	165						
Surrogate: 2-Fluorobiphenyl	*1050*		µg/kg wet		*1670*	*63*	*30-130*			
Surrogate: 2-Fluorophenol	*1120*		µg/kg wet		*1670*	*67*	*15-110*			
Surrogate: Nitrobenzene-d5	*953*		µg/kg wet		*1670*	*57*	*30-130*			
Surrogate: Phenol-d5	*879*		µg/kg wet		*1670*	*53*	*15-110*			
Surrogate: Terphenyl-d14	*1140*		µg/kg wet		*1670*	*68*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*1160*		µg/kg wet		*1670*	*70*	*15-110*			
LCS (8021823-BS1)										
Prepared: 28-Feb-08 Analyzed: 29-Feb-08										
Acenaphthene	1270		µg/kg wet	165	1670	76	40-130			
Acenaphthylene	1330		µg/kg wet	165	1670	80	40-130			
Aniline	558	QC2	µg/kg wet	165	1670	33	40-130			
Anthracene	1310		µg/kg wet	165	1670	79	40-130			
Atrazine	1230		µg/kg wet	165	1670	74	40-130			
Azobenzene/Diphenyldiazine	1250		µg/kg wet	165	1670	75	40-130			
Benzidine	BRL		µg/kg wet	165	1670		0-153			
Benzo (a) anthracene	1280		µg/kg wet	165	1670	77	40-130			
Benzo (a) pyrene	1280		µg/kg wet	165	1670	76	40-130			
Benzo (b) fluoranthene	1150		µg/kg wet	165	1670	69	40-130			
Benzo (g,h,i) perylene	1240		µg/kg wet	165	1670	74	40-130			
Benzo (k) fluoranthene	1420		µg/kg wet	165	1670	85	40-130			
Benzoic acid	1170		µg/kg wet	165	1670	70	0-113			
Benzyl alcohol	1210		µg/kg wet	165	1670	73	40-130			
Bis(2-chloroethoxy)methane	1200		µg/kg wet	165	1670	72	40-130			
Bis(2-chloroethyl)ether	1130		µg/kg wet	165	1670	68	40-130			

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8021823 - SW846 3550B										
LCS (8021823-BS1)										
Prepared: 28-Feb-08 Analyzed: 29-Feb-08										
Bis(2-chloroisopropyl)ether	820		µg/kg wet	165	1670		49	40-130		
Bis(2-ethylhexyl)phthalate	1280		µg/kg wet	165	1670		77	40-130		
4-Bromophenyl phenyl ether	1330		µg/kg wet	165	1670		80	40-130		
Butyl benzyl phthalate	1250		µg/kg wet	165	1670		75	40-130		
Carbazole	1980		µg/kg wet	165	1670		119	40-130		
4-Chloro-3-methylphenol	1210		µg/kg wet	165	1670		73	40-130		
4-Chloroaniline	868		µg/kg wet	165	1670		52	40-130		
2-Chloronaphthalene	1210		µg/kg wet	165	1670		73	40-130		
2-Chlorophenol	1160		µg/kg wet	165	1670		69	40-130		
4-Chlorophenyl phenyl ether	1360		µg/kg wet	165	1670		82	40-130		
Chrysene	1280		µg/kg wet	165	1670		77	40-130		
Dibenzo (a,h) anthracene	1250		µg/kg wet	165	1670		75	40-130		
Dibenzofuran	1270		µg/kg wet	165	1670		76	40-130		
1,2-Dichlorobenzene	1140		µg/kg wet	165	1670		69	40-130		
1,3-Dichlorobenzene	1150		µg/kg wet	165	1670		69	40-130		
1,4-Dichlorobenzene	1140		µg/kg wet	165	1670		68	40-130		
3,3'-Dichlorobenzidine	1480		µg/kg wet	165	1670		89	40-130		
2,4-Dichlorophenol	1220		µg/kg wet	165	1670		73	40-130		
Diethyl phthalate	1300		µg/kg wet	165	1670		78	40-130		
Dimethyl phthalate	1290		µg/kg wet	165	1670		77	40-130		
2,4-Dimethylphenol	1190		µg/kg wet	165	1670		71	40-130		
Di-n-butyl phthalate	1340		µg/kg wet	165	1670		80	40-130		
4,6-Dinitro-2-methylphenol	1160		µg/kg wet	165	1670		70	40-130		
2,4-Dinitrophenol	1060		µg/kg wet	165	1670		64	40-130		
2,4-Dinitrotoluene	1270		µg/kg wet	165	1670		76	40-130		
2,6-Dinitrotoluene	1280		µg/kg wet	165	1670		77	40-130		
Di-n-octyl phthalate	1330		µg/kg wet	165	1670		80	40-130		
Fluoranthene	1320		µg/kg wet	165	1670		79	40-130		
Fluorene	1330		µg/kg wet	165	1670		80	40-130		
Hexachlorobenzene	1290		µg/kg wet	165	1670		78	40-130		
Hexachlorobutadiene	1200		µg/kg wet	165	1670		72	40-130		
Hexachlorocyclopentadiene	1130		µg/kg wet	165	1670		68	40-130		
Hexachloroethane	1110		µg/kg wet	165	1670		66	40-130		
Indeno (1,2,3-cd) pyrene	1180		µg/kg wet	165	1670		71	40-130		
1-Methylnaphthalene	1260		µg/kg wet	165	1670		75	40-140		
Isophorone	1150		µg/kg wet	165	1670		69	40-130		
2-Methylnaphthalene	1230		µg/kg wet	165	1670		74	40-130		
2-Methylphenol	1150		µg/kg wet	165	1670		69	40-130		
3,4-Methylphenol	1400		µg/kg wet	165	1670		84	40-130		
Naphthalene	1230		µg/kg wet	165	1670		74	40-130		
2-Nitroaniline	1260		µg/kg wet	165	1670		76	40-130		
3-Nitroaniline	1170		µg/kg wet	165	1670		70	40-130		
4-Nitroaniline	1460		µg/kg wet	660	1670		88	40-130		
Nitrobenzene	1130		µg/kg wet	165	1670		68	40-130		
2-Nitrophenol	1170		µg/kg wet	165	1670		70	40-130		
4-Nitrophenol	930		µg/kg wet	660	1670		56	40-130		
N-Nitrosodimethylamine	851		µg/kg wet	165	1670		51	40-130		
N-Nitrosodi-n-propylamine	1180		µg/kg wet	165	1670		71	40-130		
N-Nitrosodiphenylamine	1460		µg/kg wet	165	1670		87	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8021823 - SW846 3550B										
LCS (8021823-BS1)										
Prepared: 28-Feb-08 Analyzed: 29-Feb-08										
Pentachlorophenol	1560		µg/kg wet	165	1670		93	40-130		
Phenanthrene	1300		µg/kg wet	165	1670		78	40-130		
Phenol	1140		µg/kg wet	165	1670		69	40-130		
Pyrene	1290		µg/kg wet	165	1670		78	40-130		
Pyridine	275		µg/kg wet	165	1670		16	0-60		
1,2,4-Trichlorobenzene	1170		µg/kg wet	165	1670		70	40-130		
2,4,5-Trichlorophenol	1260		µg/kg wet	165	1670		76	40-130		
2,4,6-Trichlorophenol	1280		µg/kg wet	165	1670		77	40-130		
Pentachloronitrobenzene	1300		µg/kg wet	165	1670		78	40-140		
1,2,4,5-Tetrachlorobenzene	1080		µg/kg wet	165	1670		65	40-140		
Surrogate: 2-Fluorobiphenyl	*1100*		µg/kg wet		*1670*		*66*	*30-130*		
Surrogate: 2-Fluorophenol	*1050*		µg/kg wet		*1670*		*63*	*15-110*		
Surrogate: Nitrobenzene-d5	*1000*		µg/kg wet		*1670*		*60*	*30-130*		
Surrogate: Phenol-d5	*830*		µg/kg wet		*1670*		*50*	*15-110*		
Surrogate: Terphenyl-d14	*1140*		µg/kg wet		*1670*		*69*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1290*		µg/kg wet		*1670*		*78*	*15-110*		
Duplicate (8021823-DUP1) **Source: SA75005-01**										
Prepared: 28-Feb-08 Analyzed: 29-Feb-08										
Acenaphthene	BRL		µg/kg dry	404		BRL				50
Acenaphthylene	BRL		µg/kg dry	404		BRL				50
Aniline	BRL		µg/kg dry	404		BRL				50
Anthracene	BRL		µg/kg dry	404		BRL				50
Atrazine	BRL		µg/kg dry	404		BRL				50
Azobenzene/Diphenyldiazine	BRL		µg/kg dry	404		BRL				50
Benzidine	BRL		µg/kg dry	404		BRL				50
Benzo (a) anthracene	BRL		µg/kg dry	404		BRL				50
Benzo (a) pyrene	BRL		µg/kg dry	404		BRL				50
Benzo (b) fluoranthene	BRL		µg/kg dry	404		BRL				50
Benzo (g,h,i) perylene	BRL		µg/kg dry	404		BRL				50
Benzo (k) fluoranthene	BRL		µg/kg dry	404		BRL				50
Benzoic acid	BRL		µg/kg dry	404		BRL				50
Benzyl alcohol	BRL		µg/kg dry	404		BRL				50
Bis(2-chloroethoxy)methane	BRL		µg/kg dry	404		BRL				50
Bis(2-chloroethyl)ether	BRL		µg/kg dry	404		BRL				50
Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	404		BRL				50
Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	404		BRL				50
4-Bromophenyl phenyl ether	BRL		µg/kg dry	404		BRL				50
Butyl benzyl phthalate	BRL		µg/kg dry	404		BRL				50
Carbazole	BRL		µg/kg dry	404		BRL				50
4-Chloro-3-methylphenol	BRL		µg/kg dry	404		BRL				50
4-Chloroaniline	BRL		µg/kg dry	404		BRL				50
2-Chloronaphthalene	BRL		µg/kg dry	404		BRL				50
2-Chlorophenol	BRL		µg/kg dry	404		BRL				50
4-Chlorophenyl phenyl ether	BRL		µg/kg dry	404		BRL				50
Chrysene	BRL		µg/kg dry	404		BRL				50
Dibenzo (a,h) anthracene	BRL		µg/kg dry	404		BRL				50
Dibenzofuran	BRL		µg/kg dry	404		BRL				50
1,2-Dichlorobenzene	BRL		µg/kg dry	404		BRL				50
1,3-Dichlorobenzene	BRL		µg/kg dry	404		BRL				50
1,4-Dichlorobenzene	BRL		µg/kg dry	404		BRL				50

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8021823 - SW846 3550B										
Duplicate (8021823-DUP1) **Source: SA75005-01**										
Prepared: 28-Feb-08 Analyzed: 29-Feb-08										
3,3'-Dichlorobenzidine	BRL		µg/kg dry	404		BRL				50
2,4-Dichlorophenol	BRL		µg/kg dry	404		BRL				50
Diethyl phthalate	BRL		µg/kg dry	404		BRL				50
Dimethyl phthalate	BRL		µg/kg dry	404		BRL				50
2,4-Dimethylphenol	BRL		µg/kg dry	404		BRL				50
Di-n-butyl phthalate	BRL		µg/kg dry	404		BRL				50
4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	404		BRL				50
2,4-Dinitrophenol	BRL		µg/kg dry	404		BRL				50
2,4-Dinitrotoluene	BRL		µg/kg dry	404		BRL				50
2,6-Dinitrotoluene	BRL		µg/kg dry	404		BRL				50
Di-n-octyl phthalate	BRL		µg/kg dry	404		BRL				50
Fluoranthene	BRL		µg/kg dry	404		BRL				50
Fluorene	BRL		µg/kg dry	404		BRL				50
Hexachlorobenzene	BRL		µg/kg dry	404		BRL				50
Hexachlorobutadiene	BRL		µg/kg dry	404		BRL				50
Hexachlorocyclopentadiene	BRL		µg/kg dry	404		BRL				50
Hexachloroethane	BRL		µg/kg dry	404		BRL				50
Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	404		BRL				50
1-Methylnaphthalene	BRL		µg/kg dry	404		BRL				50
Isophorone	BRL		µg/kg dry	404		BRL				50
2-Methylnaphthalene	BRL		µg/kg dry	404		BRL				50
2-Methylphenol	BRL		µg/kg dry	404		BRL				50
3,4-Methylphenol	BRL		µg/kg dry	404		BRL				50
Naphthalene	BRL		µg/kg dry	404		BRL				50
2-Nitroaniline	BRL		µg/kg dry	404		BRL				50
3-Nitroaniline	BRL		µg/kg dry	404		BRL				50
4-Nitroaniline	BRL		µg/kg dry	1620		BRL				50
Nitrobenzene	BRL		µg/kg dry	404		BRL				50
2-Nitrophenol	BRL		µg/kg dry	404		BRL				50
4-Nitrophenol	BRL		µg/kg dry	1620		BRL				50
N-Nitrosodimethylamine	BRL		µg/kg dry	404		BRL				50
N-Nitrosodi-n-propylamine	BRL		µg/kg dry	404		BRL				50
N-Nitrosodiphenylamine	BRL		µg/kg dry	404		BRL				50
Pentachlorophenol	BRL		µg/kg dry	404		BRL				50
Phenanthrene	BRL		µg/kg dry	404		BRL				50
Phenol	BRL		µg/kg dry	404		BRL				50
Pyrene	BRL		µg/kg dry	404		BRL				50
Pyridine	BRL		µg/kg dry	404		BRL				50
1,2,4-Trichlorobenzene	BRL		µg/kg dry	404		BRL				50
2,4,5-Trichlorophenol	BRL		µg/kg dry	404		BRL				50
2,4,6-Trichlorophenol	BRL		µg/kg dry	404		BRL				50
Pentachloronitrobenzene	BRL		µg/kg dry	404		BRL				50
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	404		BRL				50
Surrogate: 2-Fluorobiphenyl	*1160*		µg/kg dry		*2040*		*57*	*30-130*		
Surrogate: 2-Fluorophenol	*1240*		µg/kg dry		*2040*		*61*	*15-110*		
Surrogate: Nitrobenzene-d5	*1020*		µg/kg dry		*2040*		*50*	*30-130*		
Surrogate: Phenol-d5	*978*		µg/kg dry		*2040*		*48*	*15-110*		
Surrogate: Terphenyl-d14	*1230*		µg/kg dry		*2040*		*60*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1280*		µg/kg dry		*2040*		*63*	*15-110*		
Matrix Spike (8021823-MS1) **Source: SA75005-01**										

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8021823 - SW846 3550B										
Prepared: 28-Feb-08 Analyzed: 29-Feb-08										
Acenaphthene	1420		µg/kg dry	204	2060	BRL	69	40-140		
Benzo (b) fluoranthene	1310		µg/kg dry	204	2060	BRL	63	40-140		
Benzo (k) fluoranthene	1550		µg/kg dry	204	2060	BRL	75	40-140		
4-Chloro-3-methylphenol	1360		µg/kg dry	204	2060	BRL	66	30-130		
2-Chlorophenol	1320		µg/kg dry	204	2060	BRL	64	30-130		
Chrysene	1450		µg/kg dry	204	2060	BRL	70	40-140		
1,4-Dichlorobenzene	1310		µg/kg dry	204	2060	BRL	63	40-140		
Indeno (1,2,3-cd) pyrene	1330		µg/kg dry	204	2060	BRL	65	40-140		
Naphthalene	1400		µg/kg dry	204	2060	BRL	68	40-140		
4-Nitrophenol	2150		µg/kg dry	816	2060	BRL	104	30-130		
N-Nitrosodi-n-propylamine	1340		µg/kg dry	204	2060	BRL	65	40-140		
Pentachlorophenol	1690		µg/kg dry	204	2060	BRL	82	30-130		
Phenol	1330		µg/kg dry	204	2060	BRL	64	30-130		
Pyrene	1490		µg/kg dry	204	2060	BRL	72	40-140		
1,2,4-Trichlorobenzene	1330		µg/kg dry	204	2060	BRL	64	40-140		
Surrogate: 2-Fluorobiphenyl	*1200*		µg/kg dry		*2060*		*58*	*30-130*		
Surrogate: 2-Fluorophenol	*1170*		µg/kg dry		*2060*		*57*	*15-110*		
Surrogate: Nitrobenzene-d5	*1110*		µg/kg dry		*2060*		*54*	*30-130*		
Surrogate: Phenol-d5	*915*		µg/kg dry		*2060*		*44*	*15-110*		
Surrogate: Terphenyl-d14	*1250*		µg/kg dry		*2060*		*61*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1400*		µg/kg dry		*2060*		*68*	*15-110*		
Matrix Spike Dup (8021823-MSD1) **Source: SA75005-01**										
Prepared: 28-Feb-08 Analyzed: 29-Feb-08										
Acenaphthene	1370		µg/kg dry	205	2070	BRL	66	40-140	4	30
Benzo (b) fluoranthene	1270		µg/kg dry	205	2070	BRL	61	40-140	4	30
Benzo (k) fluoranthene	1520		µg/kg dry	205	2070	BRL	73	40-140	3	30
4-Chloro-3-methylphenol	1320		µg/kg dry	205	2070	BRL	64	30-130	3	30
2-Chlorophenol	1260		µg/kg dry	205	2070	BRL	61	30-130	5	30
Chrysene	1430		µg/kg dry	205	2070	BRL	69	40-140	2	30
1,4-Dichlorobenzene	1240		µg/kg dry	205	2070	BRL	60	40-140	6	30
Indeno (1,2,3-cd) pyrene	1290		µg/kg dry	205	2070	BRL	62	40-140	3	30
Naphthalene	1320		µg/kg dry	205	2070	BRL	64	40-140	6	30
4-Nitrophenol	2120		µg/kg dry	820	2070	BRL	102	30-130	2	30
N-Nitrosodi-n-propylamine	1290		µg/kg dry	205	2070	BRL	62	40-140	4	30
Pentachlorophenol	1620		µg/kg dry	205	2070	BRL	78	30-130	5	30
Phenol	1290		µg/kg dry	205	2070	BRL	62	30-130	3	30
Pyrene	1470		µg/kg dry	205	2070	BRL	71	40-140	2	30
1,2,4-Trichlorobenzene	1250		µg/kg dry	205	2070	BRL	60	40-140	7	30
Surrogate: 2-Fluorobiphenyl	*1180*		µg/kg dry		*2070*		*57*	*30-130*		
Surrogate: 2-Fluorophenol	*1150*		µg/kg dry		*2070*		*55*	*15-110*		
Surrogate: Nitrobenzene-d5	*1090*		µg/kg dry		*2070*		*52*	*30-130*		
Surrogate: Phenol-d5	*910*		µg/kg dry		*2070*		*44*	*15-110*		
Surrogate: Terphenyl-d14	*1280*		µg/kg dry		*2070*		*62*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1390*		µg/kg dry		*2070*		*67*	*15-110*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8021822 - SW846 3550B										
Blank (8021822-BLK1)										
Prepared & Analyzed: 28-Feb-08										
PCB 1016	BRL		µg/kg wet	20.0						
PCB 1221	BRL		µg/kg wet	20.0						
PCB 1232	BRL		µg/kg wet	20.0						
PCB 1242	BRL		µg/kg wet	20.0						
PCB 1248	BRL		µg/kg wet	20.0						
PCB 1254	BRL		µg/kg wet	20.0						
PCB 1260	BRL		µg/kg wet	20.0						
PCB 1262	BRL		µg/kg wet	20.0						
PCB 1268	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*BRL*		µg/kg wet		*20.0*		*76*	*30-150*		
Surrogate: Decachlorobiphenyl(Sr)	*BRL*		µg/kg wet		*20.0*		*68*	*30-150*		
LCS (8021822-BS1)										
Prepared & Analyzed: 28-Feb-08										
PCB 1016	226		µg/kg wet	20.0	250		91	40-140		
PCB 1260	208		µg/kg wet	20.0	250		83	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*13.4*		µg/kg wet		*20.0*		*67*	*30-150*		
Surrogate: Decachlorobiphenyl(Sr)	*12.6*		µg/kg wet		*20.0*		*63*	*30-150*		
LCS Dup (8021822-BSD1)										
Prepared & Analyzed: 28-Feb-08										
PCB 1016	230		µg/kg wet	20.0	250		92	40-140	2	30
PCB 1260	223		µg/kg wet	20.0	250		89	40-140	7	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*13.6*		µg/kg wet		*20.0*		*68*	*30-150*		
Surrogate: Decachlorobiphenyl(Sr)	*13.6*		µg/kg wet		*20.0*		*68*	*30-150*		
Duplicate (8021822-DUP1) Source: SA75005-01										
Prepared & Analyzed: 28-Feb-08										
PCB 1016	BRL		µg/kg dry	24.8		BRL				40
PCB 1221	BRL		µg/kg dry	24.8		BRL				40
PCB 1232	BRL		µg/kg dry	24.8		BRL				40
PCB 1242	BRL		µg/kg dry	24.8		BRL				40
PCB 1248	BRL		µg/kg dry	24.8		BRL				40
PCB 1254	BRL		µg/kg dry	24.8		BRL				40
PCB 1260	BRL		µg/kg dry	24.8		BRL				40
PCB 1262	BRL		µg/kg dry	24.8		BRL				40
PCB 1268	BRL		µg/kg dry	24.8		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.6*		µg/kg dry		*24.8*		*79*	*30-150*		
Surrogate: Decachlorobiphenyl(Sr)	*20.1*		µg/kg dry		*24.8*		*81*	*30-150*		
Matrix Spike (8021822-MS1) Source: SA75005-01										
Prepared & Analyzed: 28-Feb-08										
PCB 1016	299		µg/kg dry	24.3	303	BRL	98	40-140		
PCB 1260	296		µg/kg dry	24.3	303	BRL	98	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.6*		µg/kg dry		*24.3*		*72*	*30-150*		
Surrogate: Decachlorobiphenyl(Sr)	*18.7*		µg/kg dry		*24.3*		*77*	*30-150*		
Matrix Spike Dup (8021822-MSD1) Source: SA75005-01										
Prepared & Analyzed: 28-Feb-08										
PCB 1016	297		µg/kg dry	24.8	310	BRL	96	40-140	3	50
PCB 1260	297		µg/kg dry	24.8	310	BRL	96	40-140	2	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.5*		µg/kg dry		*24.8*		*79*	*30-150*		
Surrogate: Decachlorobiphenyl(Sr)	*21.3*		µg/kg dry		*24.8*		*86*	*30-150*		
Batch 8021829 - SW846 3550B										

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8021829 - SW846 3550B										
Blank (8021829-BLK1)										
Prepared & Analyzed: 28-Feb-08										
2,4,5-T	BRL		µg/kg wet	6.70						
2,4,5-T [2C]	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex)	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex) [2C]	BRL		µg/kg wet	6.70						
2,4-D	BRL		µg/kg wet	6.70						
2,4-D [2C]	BRL		µg/kg wet	6.70						
2,4-DB	BRL		µg/kg wet	6.70						
2,4-DB [2C]	BRL		µg/kg wet	6.70						
Dalapon	BRL		µg/kg wet	6.70						
Dalapon [2C]	BRL		µg/kg wet	6.70						
Dicamba	BRL		µg/kg wet	6.70						
Dicamba [2C]	BRL		µg/kg wet	6.70						
Dichlorprop	BRL		µg/kg wet	6.70						
Dichlorprop [2C]	BRL		µg/kg wet	6.70						
Dinoseb	BRL		µg/kg wet	6.70						
Dinoseb [2C]	BRL		µg/kg wet	6.70						
MCPA	BRL		µg/kg wet	670						
MCPA [2C]	BRL		µg/kg wet	670						
MCPB	BRL		µg/kg wet	670						
MCPB [2C]	BRL		µg/kg wet	670						
MCPP	BRL		µg/kg wet	670						
MCPP [2C]	BRL		µg/kg wet	670						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*BRL*		µg/kg wet		*13.3*		*40*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*BRL*		µg/kg wet		*13.3*		*39*	*30-150*		
LCS (8021829-BS1)										
Prepared & Analyzed: 28-Feb-08										
2,4,5-T	19.1		µg/kg wet	6.70	33.3		57	40-140		
2,4,5-T [2C]	18.9		µg/kg wet	6.70	33.3		57	40-140		
2,4,5-TP (Silvex)	20.5		µg/kg wet	6.70	33.3		61	40-140		
2,4,5-TP (Silvex) [2C]	19.5		µg/kg wet	6.70	33.3		59	40-140		
2,4-D	14.7		µg/kg wet	6.70	33.3		44	40-140		
2,4-D [2C]	14.1		µg/kg wet	6.70	33.3		42	40-140		
2,4-DB	19.3		µg/kg wet	6.70	33.3		58	40-140		
2,4-DB [2C]	19.1		µg/kg wet	6.70	33.3		57	40-140		
Dalapon	14.1		µg/kg wet	6.70	33.3		42	40-140		
Dalapon [2C]	16.7		µg/kg wet	6.70	33.3		50	40-140		
Dicamba	18.1		µg/kg wet	6.70	33.3		54	40-140		
Dicamba [2C]	16.9		µg/kg wet	6.70	33.3		51	40-140		
Dichlorprop	18.5		µg/kg wet	6.70	33.3		56	40-140		
Dichlorprop [2C]	17.7		µg/kg wet	6.70	33.3		53	40-140		
Dinoseb	21.0		µg/kg wet	6.70	33.3		63	40-140		
Dinoseb [2C]	18.2		µg/kg wet	6.70	33.3		55	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*5.47*		µg/kg wet		*13.3*		*41*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*5.60*		µg/kg wet		*13.3*		*42*	*30-150*		
LCS (8021829-BS2)										
Prepared & Analyzed: 28-Feb-08										
MCPA	6600		µg/kg wet	670	10000		66	40-140		
MCPA [2C]	8330		µg/kg wet	670	10000		83	40-140		
MCPB	6470		µg/kg wet	670	10000		65	40-140		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8021829 - SW846 3550B										
LCS (8021829-BS2)										
Prepared & Analyzed: 28-Feb-08										
MCPB [2C]	9330		µg/kg wet	670	10000		93	40-140		
MCPP	6800		µg/kg wet	670	10000		68	40-140		
MCPP [2C]	8000		µg/kg wet	670	10000		80	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*6.00*		µg/kg wet		*13.3*		*45*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*7.53*		µg/kg wet		*13.3*		*57*	*30-150*		
LCS Dup (8021829-BSD1)										
Prepared & Analyzed: 28-Feb-08										
2,4,5-T	20.5		µg/kg wet	6.70	33.3		62	40-140	7	25
2,4,5-T [2C]	20.4		µg/kg wet	6.70	33.3		61	40-140	7	25
2,4,5-TP (Silvex)	22.1		µg/kg wet	6.70	33.3		66	40-140	8	25
2,4,5-TP (Silvex) [2C]	20.1		µg/kg wet	6.70	33.3		60	40-140	3	25
2,4-D	14.9		µg/kg wet	6.70	33.3		45	40-140	0.9	25
2,4-D [2C]	15.0		µg/kg wet	6.70	33.3		45	40-140	6	25
2,4-DB	19.2		µg/kg wet	6.70	33.3		58	40-140	0.7	25
2,4-DB [2C]	19.7		µg/kg wet	6.70	33.3		59	40-140	3	25
Dalapon	14.1		µg/kg wet	6.70	33.3		42	40-140	0.5	25
Dalapon [2C]	16.2		µg/kg wet	6.70	33.3		49	40-140	3	25
Dicamba	18.1		µg/kg wet	6.70	33.3		54	40-140	0	25
Dicamba [2C]	16.9		µg/kg wet	6.70	33.3		51	40-140	0.4	25
Dichlorprop	20.0		µg/kg wet	6.70	33.3		60	40-140	8	25
Dichlorprop [2C]	18.5		µg/kg wet	6.70	33.3		56	40-140	5	25
Dinoseb	23.1		µg/kg wet	6.70	33.3		69	40-140	9	25
Dinoseb [2C]	19.4		µg/kg wet	6.70	33.3		58	40-140	6	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*5.53*		µg/kg wet		*13.3*		*42*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*5.60*		µg/kg wet		*13.3*		*42*	*30-150*		
LCS Dup (8021829-BSD2)										
Prepared & Analyzed: 28-Feb-08										
MCPA	6730		µg/kg wet	670	10000		67	40-140	2	25
MCPA [2C]	8130		µg/kg wet	670	10000		81	40-140	2	25
MCPB	6470		µg/kg wet	670	10000		65	40-140	0	25
MCPB [2C]	9200		µg/kg wet	670	10000		92	40-140	1	25
MCPP	7070		µg/kg wet	670	10000		71	40-140	4	25
MCPP [2C]	7730		µg/kg wet	670	10000		77	40-140	3	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*6.00*		µg/kg wet		*13.3*		*45*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*7.47*		µg/kg wet		*13.3*		*56*	*30-150*		
Duplicate (8021829-DUP1) **Source: SA75005-01**										
Prepared & Analyzed: 28-Feb-08										
2,4,5-T	BRL		µg/kg dry	6.70		BRL				30
2,4,5-T [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex) [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-D	BRL		µg/kg dry	6.70		BRL				30
2,4-D [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-DB	BRL		µg/kg dry	6.70		BRL				30
2,4-DB [2C]	BRL		µg/kg dry	6.70		BRL				30
Dalapon	BRL		µg/kg dry	6.70		BRL				30
Dalapon [2C]	BRL		µg/kg dry	6.70		BRL				30
Dicamba	BRL		µg/kg dry	6.70		BRL				30
Dicamba [2C]	BRL		µg/kg dry	6.70		BRL				30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8021829 - SW846 3550B										
Duplicate (8021829-DUP1) **Source: SA75005-01**										
Prepared & Analyzed: 28-Feb-08										
Dichlorprop	BRL		µg/kg dry	6.70		BRL				30
Dichlorprop [2C]	BRL		µg/kg dry	6.70		BRL				30
Dinoseb	BRL		µg/kg dry	6.70		BRL				30
Dinoseb [2C]	BRL		µg/kg dry	6.70		BRL				30
MCPA	BRL		µg/kg dry	670		BRL				30
MCPA [2C]	BRL		µg/kg dry	670		BRL				30
MCPB	BRL		µg/kg dry	670		BRL				30
MCPB [2C]	BRL		µg/kg dry	670		BRL				30
MCPP	BRL		µg/kg dry	670		BRL				30
MCPP [2C]	BRL		µg/kg dry	670		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*8.09*		µg/kg dry		*16.3*		*49*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*7.52*		µg/kg dry		*16.3*		*46*	*30-150*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8021824 - SW846 3550B										
Blank (8021824-BLK1)										
Prepared: 28-Feb-08 Analyzed: 29-Feb-08										
Gasoline	BRL		mg/kg wet	13.3						
Fuel Oil #2	BRL		mg/kg wet	13.3						
Fuel Oil #4	BRL		mg/kg wet	13.3						
Fuel Oil #6	BRL		mg/kg wet	13.3						
Motor Oil	BRL		mg/kg wet	13.3						
Aviation Fuel	BRL		mg/kg wet	13.3						
Unidentified	BRL		mg/kg wet	13.3						
Other Oil	BRL		mg/kg wet	13.3						
Total Petroleum Hydrocarbons	BRL		mg/kg wet	13.3						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*BRL*		mg/kg wet		*3.33*		*53*	*50-150*		
LCS (8021824-BS1)										
Prepared: 28-Feb-08 Analyzed: 29-Feb-08										
C9-C36 Aliphatic Hydrocarbons	60.7		mg/kg wet	13.3	93.3		65	60-120		
Surrogate: 1-Chlorooctadecane	*1.95*		mg/kg wet		*3.33*		*58*	*50-150*		
Duplicate (8021824-DUP1) **Source: SA75005-01**										
Prepared: 28-Feb-08 Analyzed: 29-Feb-08										
Gasoline	BRL		mg/kg dry	16.3		BRL				50
Fuel Oil #2	BRL		mg/kg dry	16.3		BRL				50
Fuel Oil #4	BRL		mg/kg dry	16.3		BRL				50
Fuel Oil #6	BRL		mg/kg dry	16.3		BRL				50
Motor Oil	BRL		mg/kg dry	16.3		BRL				50
Aviation Fuel	BRL		mg/kg dry	16.3		BRL				50
Unidentified	7.3	J,QM4	mg/kg dry	16.3		31.9			126	50
Other Oil	BRL		mg/kg dry	16.3		alculated as				50
Total Petroleum Hydrocarbons	7.3	J,QM4	mg/kg dry	16.3		31.9			126	50
C9-C36 Aliphatic Hydrocarbons	7.3	J,QM4	mg/kg dry	16.3		31.9			126	50
Surrogate: 1-Chlorooctadecane	*1.16*		mg/kg dry		*2.04*		*57*	*50-150*		
Matrix Spike (8021824-MS1) **Source: SA75005-01**										
Prepared: 28-Feb-08 Analyzed: 29-Feb-08										
C9-C36 Aliphatic Hydrocarbons	41.5	QM2	mg/kg dry	8.2	57.7	31.9	16	50-150		
Surrogate: 1-Chlorooctadecane	*1.06*		mg/kg dry		*2.06*		*51*	*50-150*		
Matrix Spike Dup (8021824-MSD1) **Source: SA75005-01**										
Prepared: 28-Feb-08 Analyzed: 29-Feb-08										
C9-C36 Aliphatic Hydrocarbons	66.2	QM2	mg/kg dry	8.2	57.2	31.9	60	50-150	114	30
Surrogate: 1-Chlorooctadecane	*1.05*		mg/kg dry		*2.04*		*52*	*50-150*		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8021841 - SW846 3050B										
Blank (8021841-BLK1)										
Prepared: 28-Feb-08 Analyzed: 29-Feb-08										
Lead	BRL		mg/kg wet	1.25						
Selenium	BRL		mg/kg wet	1.25						
Silver	BRL		mg/kg wet	1.25						
Chromium	BRL		mg/kg wet	0.834						
Cadmium	BRL		mg/kg wet	0.417						
Arsenic	BRL		mg/kg wet	1.25						
Barium	BRL		mg/kg wet	0.834						
Duplicate (8021841-DUP1) Source: SA75005-01										
Prepared: 28-Feb-08 Analyzed: 29-Feb-08										
Selenium	0.554	J,QR8	mg/kg dry	1.61		0.801			37	20
Lead	113		mg/kg dry	1.61		123			8	20
Silver	BRL		mg/kg dry	1.61		BRL				20
Arsenic	1.07	J	mg/kg dry	1.61		1.02			4	20
Chromium	31.1	QR6	mg/kg dry	1.08		41.5			29	20
Cadmium	0.452	J	mg/kg dry	0.538		0.500			10	20
Barium	62.2		mg/kg dry	1.08		60.7			2	20
Matrix Spike (8021841-MS1) Source: SA75005-03										
Prepared: 28-Feb-08 Analyzed: 29-Feb-08										
Lead	233		mg/kg dry	1.58	132	96.3	103	75-125		
Selenium	141		mg/kg dry	1.58	132	0.344	107	75-125		
Silver	135		mg/kg dry	1.58	132	0.803	101	75-125		
Arsenic	138		mg/kg dry	1.58	132	1.05	104	75-125		
Cadmium	140		mg/kg dry	0.528	132	1.17	105	75-125		
Chromium	230		mg/kg dry	1.06	132	94.5	103	75-125		
Barium	184		mg/kg dry	1.06	132	62.2	93	75-125		
Matrix Spike Dup (8021841-MSD1) Source: SA75005-03										
Prepared: 28-Feb-08 Analyzed: 29-Feb-08										
Selenium	133		mg/kg dry	1.47	123	0.344	108	75-125	6	35
Lead	231		mg/kg dry	1.47	123	96.3	109	75-125	0.8	35
Chromium	224		mg/kg dry	0.982	123	94.5	105	75-125	3	35
Arsenic	129		mg/kg dry	1.47	123	1.05	104	75-125	7	35
Silver	130		mg/kg dry	1.47	123	0.803	105	75-125	4	35
Cadmium	132		mg/kg dry	0.491	123	1.17	107	75-125	6	35
Barium	175		mg/kg dry	0.982	123	62.2	92	75-125	5	35
Post Spike (8021841-PS1) Source: SA75005-03										
Prepared: 28-Feb-08 Analyzed: 29-Feb-08										
Selenium	127		mg/kg dry	1.41	117	0.344	108	80-120		
Lead	211		mg/kg dry	1.41	117	96.3	98	80-120		
Chromium	195		mg/kg dry	0.938	117	94.5	85	80-120		
Cadmium	125		mg/kg dry	0.469	117	1.17	106	80-120		
Arsenic	123		mg/kg dry	1.41	117	1.05	104	80-120		
Silver	122		mg/kg dry	1.41	117	0.803	103	80-120		
Barium	158		mg/kg dry	0.938	117	62.2	82	80-120		
Reference (8021841-SRM1)										
Prepared: 28-Feb-08 Analyzed: 29-Feb-08										
Selenium	50.4		mg/kg wet	1.50	48.0		105	76.8-123.3		
Lead	83.6		mg/kg wet	1.50	85.6		98	81.5-118.5		

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* Reportable Detection Limit BRL = Below Reporting Limit

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8021841 - SW846 3050B										
Reference (8021841-SRM1)										
Prepared: 28-Feb-08 Analyzed: 29-Feb-08										
Chromium	109		mg/kg wet	1.00	112		97	81.7-117.8		
Cadmium	53.1		mg/kg wet	0.500	52.5		101	82.8-116.5		
Silver	40.0		mg/kg wet	1.50	41.4		97	66.3-133		
Arsenic	66.5		mg/kg wet	1.50	67.8		98	80.5-120.3		
Barium	108		mg/kg wet	1.00	115		94	81.4-118.6		
Reference (8021841-SRM2)										
Prepared: 28-Feb-08 Analyzed: 29-Feb-08										
Lead	81.2		mg/kg wet	1.50	85.2		95	81.5-118.5		
Selenium	50.9		mg/kg wet	1.50	47.7		107	76.8-123.3		
Chromium	110		mg/kg wet	1.00	111		99	81.7-117.8		
Silver	38.7		mg/kg wet	1.50	41.2		94	66.3-133		
Arsenic	66.1		mg/kg wet	1.50	67.5		98	80.5-120.3		
Cadmium	54.4		mg/kg wet	0.500	52.3		104	82.8-116.5		
Barium	106		mg/kg wet	1.00	115		92	81.4-118.6		
Batch 8021879 - EPA200/SW7000 Series										
Blank (8021879-BLK1)										
Prepared: 28-Feb-08 Analyzed: 29-Feb-08										
Mercury	BRL		mg/kg wet	0.0294						
Duplicate (8021879-DUP1) Source: SA75005-01										
Prepared: 28-Feb-08 Analyzed: 29-Feb-08										
Mercury	0.0698	QR6	mg/kg dry	0.0331		0.0280			85	20
Matrix Spike (8021879-MS1) Source: SA75005-03										
Prepared: 28-Feb-08 Analyzed: 29-Feb-08										
Mercury	0.809		mg/kg dry	0.0324	0.450	0.401	91	75-125		
Matrix Spike Dup (8021879-MSD1) Source: SA75005-03										
Prepared: 28-Feb-08 Analyzed: 29-Feb-08										
Mercury	0.748		mg/kg dry	0.0298	0.413	0.401	84	75-125	8	35
Post Spike (8021879-PS1) Source: SA75005-03										
Prepared: 28-Feb-08 Analyzed: 29-Feb-08										
Mercury	0.766		mg/kg dry	0.0299	0.415	0.401	88	85-115		
Reference (8021879-SRM1)										
Prepared: 28-Feb-08 Analyzed: 29-Feb-08										
Mercury	1.99		mg/kg wet	0.0300	1.63		123	71.2-128.7		

SPLP Metals by EPA 1312 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030415 - SW846 3010A										
Blank (8030415-BLK1)										
Prepared: 07-Mar-08 Analyzed: 08-Mar-08										
Lead	BRL		mg/l	0.0150						
Selenium	BRL		mg/l	0.0300						
Cadmium	BRL		mg/l	0.0050						
Arsenic	BRL		mg/l	0.0080						
Chromium	BRL		mg/l	0.0100						
Silver	BRL		mg/l	0.0100						
Barium	BRL		mg/l	0.0100						
LCS (8030415-BS1)										
Prepared: 07-Mar-08 Analyzed: 08-Mar-08										
Selenium	2.91	QC2	mg/l	0.0300	2.50		116	77.6-109		
Lead	2.55		mg/l	0.0150	2.50		102	76.9-112		
Cadmium	2.89	QC2	mg/l	0.0050	2.50		116	84.8-111		
Silver	2.46		mg/l	0.0100	2.50		98	77.9-110		
Chromium	2.62		mg/l	0.0100	2.50		105	83.6-112		
Arsenic	2.42		mg/l	0.0080	2.50		97	81.2-104		
Barium	2.99	QC2	mg/l	0.0100	2.50		119	77.6-115		
LCS Dup (8030415-BSD1)										
Prepared: 07-Mar-08 Analyzed: 08-Mar-08										
Selenium	2.98	QC2	mg/l	0.0300	2.50		119	77.6-109	2	20
Lead	2.61		mg/l	0.0150	2.50		104	76.9-112	2	20
Chromium	2.58		mg/l	0.0100	2.50		103	83.6-112	1	20
Cadmium	2.99	QC2	mg/l	0.0050	2.50		120	84.8-111	3	20
Silver	2.44		mg/l	0.0100	2.50		98	77.9-110	1	20
Arsenic	2.46		mg/l	0.0080	2.50		98	81.2-104	2	20
Barium	2.99	QC2	mg/l	0.0100	2.50		120	77.6-115	0.07	20
Duplicate (8030415-DUP1) Source: SA75005-05										
Prepared: 07-Mar-08 Analyzed: 08-Mar-08										
Lead	BRL		mg/l	0.0150		BRL				20
Selenium	BRL		mg/l	0.0300		BRL				20
Arsenic	BRL		mg/l	0.0080		BRL				20
Cadmium	BRL		mg/l	0.0050		BRL				20
Chromium	BRL		mg/l	0.0100		BRL				20
Silver	BRL		mg/l	0.0100		BRL				20
Barium	BRL		mg/l	0.0100		BRL				20
Matrix Spike (8030415-MS1) Source: SA75005-05										
Prepared: 07-Mar-08 Analyzed: 08-Mar-08										
Lead	2.51		mg/l	0.0150	2.50	BRL	100	76.9-110		
Selenium	2.88	QM8	mg/l	0.0300	2.50	BRL	115	78-109		
Silver	2.39		mg/l	0.0100	2.50	BRL	96	74.4-110		
Chromium	2.68		mg/l	0.0100	2.50	BRL	107	83-112		
Cadmium	2.85	QM8	mg/l	0.0050	2.50	BRL	114	84.1-111		
Arsenic	2.39		mg/l	0.0080	2.50	BRL	96	81.2-103		
Barium	2.99	QC2	mg/l	0.0100	2.50	BRL	120	80.1-112		
Matrix Spike Dup (8030415-MSD1) Source: SA75005-05										
Prepared: 07-Mar-08 Analyzed: 08-Mar-08										
Lead	2.68		mg/l	0.0150	2.50	BRL	107	76.9-110	7	35
Selenium	3.05	QM8	mg/l	0.0300	2.50	BRL	122	78-109	6	35

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SPLP Metals by EPA 1312 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030415 - SW846 3010A										
Matrix Spike Dup (8030415-MSD1) Source: SA75005-05										
Prepared: 07-Mar-08 Analyzed: 08-Mar-08										
Silver	2.66		mg/l	0.0100	2.50	BRL	106	74.4-110	11	35
Arsenic	2.58		mg/l	0.0080	2.50	BRL	103	81.2-103	8	35
Cadmium	3.02	QM8	mg/l	0.0050	2.50	BRL	121	84.1-111	6	35
Chromium	2.80		mg/l	0.0100	2.50	BRL	112	83-112	4	35
Barium	3.32	QC2	mg/l	0.0100	2.50	BRL	133	80.1-112	10	35
Post Spike (8030415-PS1) Source: SA75005-05										
Prepared: 07-Mar-08 Analyzed: 08-Mar-08										
Lead	2.76		mg/l	0.0150	2.50	BRL	110	65.7-125		
Selenium	3.15		mg/l	0.0300	2.50	BRL	126	64.4-127		
Silver	2.53		mg/l	0.0100	2.50	BRL	101	73-118		
Cadmium	3.12		mg/l	0.0050	2.50	BRL	125	70.8-127		
Chromium	2.63		mg/l	0.0100	2.50	BRL	105	70.3-127		
Arsenic	2.65		mg/l	0.0080	2.50	BRL	106	64.1-123		
Barium	3.16	QC2	mg/l	0.0100	2.50	BRL	126	71.4-124		
Batch 8030416 - EPA200/SW7000 Series										
Blank (8030416-BLK1)										
Prepared: 07-Mar-08 Analyzed: 10-Mar-08										
Mercury	BRL		mg/l	0.00020						
LCS (8030416-BS1)										
Prepared: 07-Mar-08 Analyzed: 10-Mar-08										
Mercury	0.00487		mg/l	0.00020				60-122		
Duplicate (8030416-DUP1) Source: SA75005-05										
Prepared: 07-Mar-08 Analyzed: 10-Mar-08										
Mercury	BRL		mg/l	0.00020		BRL				20
Matrix Spike (8030416-MS1) Source: SA75005-05										
Prepared: 07-Mar-08 Analyzed: 10-Mar-08										
Mercury	0.00522		mg/l	0.00020		BRL		61.5-123		
Matrix Spike Dup (8030416-MSD1) Source: SA75005-05										
Prepared: 07-Mar-08 Analyzed: 10-Mar-08										
Mercury	0.00501		mg/l	0.00020		BRL		61.5-123	4	35
Post Spike (8030416-PS1) Source: SA75005-05										
Prepared: 07-Mar-08 Analyzed: 10-Mar-08										
Mercury	0.00481		mg/l	0.00020		BRL		74.7-114		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8021809 - General Preparation										
Duplicate (8021809-DUP1) Source: SA74978-03										
Prepared & Analyzed: 27-Feb-08										
% Solids	79.2		%			78.9			0.3	20

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Notes and Definitions

QC1	Analyte out of acceptance range.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample
QM2	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
QM4	Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix.
QM8	The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and/or LCS recovery.
QR6	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.
QR8	Analyses are not controlled on RPD values from sample concentrations that are less than5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit
VC10	The VOC field preserved soil sample is not within the 1:1 weight to volume ratio as recommended by SW846 methods 5030 and 5035 but may be within the 1:1 volume to volume ratio. This variance may affect the final reporting limit
Z-2	The response for the confirmation column was out of acceptance limits The primary column was used for all data Samples were BDL.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC

Interpretation of Total Petroleum Hydrocarbon Report

Petroleum identification is determined by comparing the GC fingerprint obtained from the sample with a library of GC fingerprints obtained from analyses of various petroleum products. Possible match categories are as follows:

Gasoline - includes regular, unleaded, premium, etc.
Fuel Oil #2 - includes home heating oil, #2 fuel oil, and diesel
Fuel Oil #4 - includes #4 fuel oil
Fuel Oil #6 - includes #6 fuel oil and bunker "C" oil
Motor Oil - includes virgin, waste automobile oil and hydraulic oil
Ligroin - includes mineral spirits, petroleum naphtha, vm&p naphtha
Aviation Fuel - includes kerosene, Jet A and JP-4
Other Oil - includes lubricating and cutting oil, and silicon oil

At times, the unidentified petroleum product is quantified using a calibration that most closely approximates the distribution of compounds in the sample. When this occurs, the result is qualified as *TPH (Calculated as).

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure The method blank is used to document contamination resulting from the analytical process

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc. - Agawam, MA
Client: Tetra Tech Rizzo - Hartford, CT
Project Location: Bridge #08276R-Beacon Falls, CT
Project Number: 127-17797-08008
Sampling Date(s):
25-Feb-08 26-Feb-08
Laboratory Sample ID(s):
SA75005-01 through SA75005-06

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	☑ Yes ☐ No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (4° C ± 2°)?	☑ Yes ☐ No
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5	a) Were reporting limits specified or referenced on the chain-of-custody? * b) Were these reporting limits met? * *Exceptions are defined by qualifiers*	☑ Yes ☐ No ☑ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☑ Yes ☐ No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1 is "No", the data package does not meet the requirements for "Reasonable Confidence."

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for obtaining the information contained in this analytical report, such information is accurate and complete.

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Date: 3/26/2008

SA 75005

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☒ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Tetra Tech Rizzo
150 Trumbull St.
Hartford, CT 06103

Invoice To: DAS Contract

Project No.: 127-17797-08008
Site Name: Bridge #08276R
Location: Beacon Falls State: CT
Sampler(s): Adam L. Stannard

Project Mgr.: David Brassard
P.O. No.: _____ RQN: _____

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9= DI H_2O 10= _____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		VOCs 8260	SVOCs 8270	CT ETPH	PCBs 8080	Herbicides 8151	Total RCRA 8 Metals	SPLP RCRA 8		
75005-01	B-1(0-3')	2/25/08	0930	G	SO	7.9	3	2				X	X	X	X	X	X			
-02	B-1(5-7')	2/25/08	1000	↓	↓	↓	↓	↓												Hold additional samples
-03	B-2(0-3')	2/26/08	0745									X	X	X	X	X	X			pending further analysis
-04	B-2(5-12')	2/26/08	0830																	
-05	TP-1(0-2')	2/25/08	1015									X	X	X	X	X	X	X		ADDED 3/6/08
-06	TP-2(0-2')	2/25/08	1245	↓	↓	↓	↓	↓				X	X	X	X	X	X			ANALYSES see attached

☐ Fax results when available to (____) _____
☒ E-mail to DAVID.BRASSARD@TETRATECH.com ADAM.STANNARD
EDD Format _____

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 4.6C

Relinquished by:	Received by:	Date:	Time:
[signature]	DBC	2/27/08	9:35AM
DBC	[signature]	2/27/08	2:56

Report Date:
14-Mar-08 11:47

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Tetra Tech Rizzo
150 Trumbull Street, 4th Floor
Hartford, CT 06103-2428
Attn: David Brassard

Project: Bridge #08277R-Naugatuck, CT
Project 127-17797-08008

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA75140-01	B-3 (1-3')	Soil	28-Feb-08 00:00	29-Feb-08 15:45
SA75140-03	B-4 (1-3')	Soil	28-Feb-08 00:00	29-Feb-08 15:45
SA75140-05	TP-3 (1.5-2')	Soil	28-Feb-08 00:00	29-Feb-08 15:45
SA75140-06	TP-4 (1.5-2')	Soil	28-Feb-08 00:00	29-Feb-08 15:45

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met
Please note that this report contains 55 pages of analytical data plus Chain of Custody documen(s).
This report may not be reproduced, except in full, without written approval from Spectrum Analytical Inc.

Massachusetts Certification # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

ACCREDITED IN ACCORDANCE WITH nelac

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Technical Reviewer's Initial: _____

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

CASE NARRATIVE:

The samples were received @ 3.1 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt An infrared thermometer with a tolerance of+/- 2.0 degrees Celsius was used immediately upon receipt of the samples Temperatures exceeding the +/- 2.0 degrees Celsius may affect sample results as stated in each specific method samples collected for air analysis should be collected and submitted at ambient temperature

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol(RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "BRL" (Below the Reporting Limit) in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

According to CTDEP RCP Quality Assurance and Quality Control Requirements for VOCs by method8260, SW-846 version 1, 7/28/05 Table 1A, recovery for some VOC analytes have been deemed potentially difficult Although they may still be within the recommended 70%-130% recovery range, a range has been set based on historical control limits.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW 846 8260B

SW 846 8260B

Laboratory Control Samples:

8030232-BS1

Analyte out of acceptance range in QC spike but no reportable concentration present in sample

2-Hexanone (MBK)

8030232-BSD1

Analyte out of acceptance range in QC spike but no reportable concentration present in sample

2-Hexanone (MBK)

8030245-BS1

Analyte out of acceptance range in QC spike but no reportable concentration present in sample

1,1,2-Trichlorotrifluoroethane (Freon 113)
1,2,3-Trichlorobenzene
Naphthalene

Analyte out of acceptance range.

Acrylonitrile

8030245-BSD1

Analyte out of acceptance range in QC spike but no reportable concentration present in sample

1,1,2-Trichlorotrifluoroethane (Freon 113)
1,2,3-Trichlorobenzene
Naphthalene

Analyte out of acceptance range.

1,1,2,2-Tetrachloroethane
1,2,3-Trichloropropane
Ethyl tert-butyl ether

The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data

1,4-Dioxane

8030409-BSD1

Analyte out of acceptance range.

2-Hexanone (MBK)

SW846 6010B

Spikes:

8030136-MS1 *Source: SA75140-01*

The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and/or LCS recovery.

Lead

SW846 6010B

Duplicates:

8030136-DUP1 *Source: SA75140-06*

Analyses are not controlled on RPD values from sample concentrations that are less than5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit

Silver

The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.

Arsenic
Chromium

SW846 7471A

Duplicates:

8030137-DUP1 *Source: SA75140-06*

Analyses are not controlled on RPD values from sample concentrations that are less than5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit

Mercury

SW846 8270C

Laboratory Control Samples:

8030129-BS1

Analyte out of acceptance range in QC spike but no reportable concentration present in sample

2,4-Dinitrophenol

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-3 (1-3') SA75140-01	127-17797-08008	Soil	28-Feb-08 00:00	29-Feb-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	03-Mar-08	03-Mar-08	8030107	DBM
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 4.21 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL		µg/kg dry	7.1	1	SW 846 8260B	05-Mar-08	05-Mar-08	8030232	jro
67-64-1	Acetone	BRL		µg/kg dry	71.2	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL		µg/kg dry	7.1	1	"	"	"	"	"
71-43-2	Benzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL		µg/kg dry	7.1	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL		µg/kg dry	7.1	1	"	"	"	"	"
75-25-2	Bromoform	BRL		µg/kg dry	7.1	1	"	"	"	"	"
74-83-9	Bromomethane	BRL		µg/kg dry	14.2	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	71.2	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL		µg/kg dry	35.6	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	7.1	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"
75-00-3	Chloroethane	BRL		µg/kg dry	14.2	1	"	"	"	"	"
67-66-3	Chloroform	BRL		µg/kg dry	7.1	1	"	"	"	"	"
74-87-3	Chloromethane	BRL		µg/kg dry	14.2	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	7.1	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	7.1	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	14.2	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL		µg/kg dry	7.1	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	7.1	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL		µg/kg dry	7.1	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	14.2	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	7.1	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	7.1	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	7.1	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	7.1	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	7.1	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	7.1	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	7.1	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	7.1	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	7.1	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	7.1	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	7.1	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	7.1	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	71.2	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	7.1	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	7.1	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	71.2	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL		µg/kg dry	71.2	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/kg dry	7.1	1	"	"	"	"	"

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-3 (1-3') SA75140-01	127-17797-08008	Soil	28-Feb-08 00:00	29-Feb-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 4.21 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	7.1	1	SW 846 8260B	05-Mar-08	05-Mar-08	8030232	jro
100-42-5	Styrene	BRL		µg/kg dry	7.1	1	"	"	"	"	"
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	7.1	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	7.1	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL		µg/kg dry	7.1	1	"	"	"	"	"
108-88-3	Toluene	BRL		µg/kg dry	7.1	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	7.1	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	7.1	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL		µg/kg dry	7.1	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	7.1	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	7.1	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL		µg/kg dry	7.1	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL		µg/kg dry	14.2	1	"	"	"	"	"
95-47-6	o-Xylene	BRL		µg/kg dry	7.1	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	71.2	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL		µg/kg dry	7.1	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	7.1	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	7.1	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	7.1	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	71.2	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL		µg/kg dry	142	1	"	"	"	"	"
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	35.6	1	"	"	"	"	"
64-17-5	Ethanol	BRL		µg/kg dry	3560	1	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*99*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*97*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*112*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*99*		*70-130 %*			"	"	"	"	"
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	911	5	SW846 8270C	04-Mar-08	06-Mar-08	8030129	M.B
208-96-8	Acenaphthylene	BRL		µg/kg dry	911	5	"	"	"	"	"
62-53-3	Aniline	BRL		µg/kg dry	911	5	"	"	"	"	"
120-12-7	Anthracene	BRL		µg/kg dry	911	5	"	"	"	"	"
1912-24-9	Atrazine	BRL		µg/kg dry	911	5	"	"	"	"	"
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	911	5	"	"	"	"	"
92-87-5	Benzidine	BRL		µg/kg dry	911	5	"	"	"	"	"
56-55-3	Benzo (a) anthracene	1,830		µg/kg dry	911	5	"	"	"	"	"
50-32-8	Benzo (a) pyrene	1,310		µg/kg dry	911	5	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	1,310		µg/kg dry	911	5	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	911	5	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	1,460		µg/kg dry	911	5	"	"	"	"	"
65-85-0	Benzoic acid	BRL		µg/kg dry	911	5	"	"	"	"	"
100-51-6	Benzyl alcohol	BRL		µg/kg dry	911	5	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-3 (1-3') SA75140-01	127-17797-08008	Soil	28-Feb-08 00:00	29-Feb-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	911	5	SW846 8270C	04-Mar-08	06-Mar-08	8030129	M.B
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	911	5	"	"	"	"	"
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	911	5	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	911	5	"	"	"	"	"
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	911	5	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	911	5	"	"	"	"	"
86-74-8	Carbazole	BRL		µg/kg dry	911	5	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	911	5	"	"	"	"	"
106-47-8	4-Chloroaniline	BRL		µg/kg dry	911	5	"	"	"	"	"
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	911	5	"	"	"	"	"
95-57-8	2-Chlorophenol	BRL		µg/kg dry	911	5	"	"	"	"	"
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	911	5	"	"	"	"	"
218-01-9	Chrysene	1,810		µg/kg dry	911	5	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	911	5	"	"	"	"	"
132-64-9	Dibenzofuran	BRL		µg/kg dry	911	5	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	911	5	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	911	5	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	911	5	"	"	"	"	"
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	911	5	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	911	5	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL		µg/kg dry	911	5	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	911	5	"	"	"	"	"
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	911	5	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	911	5	"	"	"	"	"
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	911	5	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	911	5	"	"	"	"	"
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	911	5	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	911	5	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	911	5	"	"	"	"	"
206-44-0	Fluoranthene	3,770		µg/kg dry	911	5	"	"	"	"	"
86-73-7	Fluorene	BRL		µg/kg dry	911	5	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	911	5	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	911	5	"	"	"	"	"
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	911	5	"	"	"	"	"
67-72-1	Hexachloroethane	BRL		µg/kg dry	911	5	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	911	5	"	"	"	"	"
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	911	5	"	"	"	"	"
78-59-1	Isophorone	BRL		µg/kg dry	911	5	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	911	5	"	"	"	"	"
95-48-7	2-Methylphenol	BRL		µg/kg dry	911	5	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL		µg/kg dry	911	5	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/kg dry	911	5	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL		µg/kg dry	911	5	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL		µg/kg dry	911	5	"	"	"	"	"
100-01-6	4-Nitroaniline	BRL		µg/kg dry	3640	5	"	"	"	"	"
98-95-3	Nitrobenzene	BRL		µg/kg dry	911	5	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL		µg/kg dry	911	5	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL		µg/kg dry	3640	5	"	"	"	"	"
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	911	5	"	"	"	"	"
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	911	5	"	"	"	"	"

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-3 (1-3') SA75140-01	127-17797-08008	Soil	28-Feb-08 00:00	29-Feb-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	911	5	SW846 8270C	04-Mar-08	06-Mar-08	8030129	M.B
87-86-5	Pentachlorophenol	BRL		µg/kg dry	911	5	"	"	"	"	"
85-01-8	Phenanthrene	1,380		µg/kg dry	911	5	"	"	"	"	"
108-95-2	Phenol	BRL		µg/kg dry	911	5	"	"	"	"	"
129-00-0	Pyrene	2,990		µg/kg dry	911	5	"	"	"	"	"
110-86-1	Pyridine	BRL		µg/kg dry	911	5	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	911	5	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	911	5	"	"	"	"	"
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	911	5	"	"	"	"	"
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	911	5	"	"	"	"	"
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	911	5	"	"	"	"	"
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*55*		*30-130 %*			"	"	"	"	"
367-12-4	*2-Fluorophenol*	*54*		*15-110 %*			"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*45*		*30-130 %*			"	"	"	"	"
4165-62-2	*Phenol-d5*	*41*		*15-110 %*			"	"	"	"	"
1718-51-0	*Terphenyl-d14*	*58*		*30-130 %*			"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*55*		*15-110 %*			"	"	"	"	"
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3545A											
12674-11-2	PCB 1016	BRL		µg/kg dry	21.3	1	SW846 8082	04-Mar-08	04-Mar-08	8030131	IMR
11104-28-2	PCB 1221	BRL		µg/kg dry	21.3	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL		µg/kg dry	21.3	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL		µg/kg dry	21.3	1	"	"	"	"	"
12672-29-6	PCB 1248	BRL		µg/kg dry	21.3	1	"	"	"	"	"
11097-69-1	PCB 1254	BRL		µg/kg dry	21.3	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL		µg/kg dry	21.3	1	"	"	"	"	"
37324-23-5	PCB 1262	BRL		µg/kg dry	21.3	1	"	"	"	"	"
11100-14-4	PCB 1268	BRL		µg/kg dry	21.3	1	"	"	"	"	"
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*		*30-150 %*			"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*86*		*30-150 %*			"	"	"	"	"
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	04-Mar-08	05-Mar-08	8030128	MAL
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	"
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	"
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	"
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	"
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	"
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	"
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	"
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	"
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	"
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	"
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*34*		*30-150 %*			"	"	"	"	"
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-3 (1-3') SA75140-01	127-17797-08008	Soil	28-Feb-08 00:00	29-Feb-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	14.7	1	+CT ETPH	04-Mar-08	05-Mar-08	8030125	SHM
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	14.7	1	"	"	"	"	"
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	14.7	1	"	"	"	"	"
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	14.7	1	"	"	"	"	"
M09800000	Motor Oil	BRL		mg/kg dry	14.7	1	"	"	"	"	"
J00100000	Aviation Fuel	BRL		mg/kg dry	14.7	1	"	"	"	"	"
	Unidentified	205		mg/kg dry	14.7	1	"	"	"	"	"
	Other Oil	Calculated as		mg/kg dry	14.7	1	"	"	"	"	"
	Total Petroleum Hydrocarbons	205		mg/kg dry	14.7	1	"	"	"	"	"
	C9-C36 Aliphatic Hydrocarbons	205		mg/kg dry	14.7	1	"	"	"	"	"
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*82*		*50-150 %*			"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.66	1	SW846 6010B	04-Mar-08	05-Mar-08	8030136	SA
7440-38-2	Arsenic	3.02		mg/kg dry	1.66	1	"	"	06-Mar-08	"	LR
7440-39-3	Barium	69.0		mg/kg dry	1.10	1	"	"	05-Mar-08	"	SA
7440-43-9	Cadmium	0.596		mg/kg dry	0.552	1	"	"	"	"	"
7440-47-3	Chromium	15.8		mg/kg dry	1.10	1	"	"	"	"	"
7439-97-6	Mercury	0.180		mg/kg dry	0.0293	1	SW846 7471A	"	05-Mar-08	8030137	CRM
7439-92-1	Lead	248		mg/kg dry	1.66	1	SW846 6010B	"	05-Mar-08	8030136	SA
7782-49-2	Selenium	BRL		mg/kg dry	1.66	1	"	"	06-Mar-08	"	LR
General Chemistry Parameters											
	% Solids	90.3		%		1	SM2540 G Mod.	04-Mar-08	04-Mar-08	8030151	DG

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-4 (1-3') SA75140-03	127-17797-08008	Soil	28-Feb-08 00:00	29-Feb-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	03-Mar-08	03-Mar-08	8030107	DBM
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.46 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL		µg/kg dry	8.8	1	SW 846 8260B	05-Mar-08	05-Mar-08	8030232	jro
67-64-1	Acetone	BRL		µg/kg dry	87.9	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL		µg/kg dry	8.8	1	"	"	"	"	"
71-43-2	Benzene	BRL		µg/kg dry	8.8	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL		µg/kg dry	8.8	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL		µg/kg dry	8.8	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL		µg/kg dry	8.8	1	"	"	"	"	"
75-25-2	Bromoform	BRL		µg/kg dry	8.8	1	"	"	"	"	"
74-83-9	Bromomethane	BRL		µg/kg dry	17.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	87.9	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL		µg/kg dry	8.8	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	8.8	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	8.8	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL		µg/kg dry	44.0	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	8.8	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL		µg/kg dry	8.8	1	"	"	"	"	"
75-00-3	Chloroethane	BRL		µg/kg dry	17.6	1	"	"	"	"	"
67-66-3	Chloroform	BRL		µg/kg dry	8.8	1	"	"	"	"	"
74-87-3	Chloromethane	BRL		µg/kg dry	17.6	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	8.8	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	8.8	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	17.6	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL		µg/kg dry	8.8	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	8.8	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL		µg/kg dry	8.8	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	8.8	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	8.8	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	8.8	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	17.6	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	8.8	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	8.8	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	8.8	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	8.8	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	8.8	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	8.8	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	8.8	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	8.8	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	8.8	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	8.8	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	8.8	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL		µg/kg dry	8.8	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	8.8	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	87.9	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL		µg/kg dry	8.8	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	8.8	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	8.8	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	87.9	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL		µg/kg dry	87.9	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/kg dry	8.8	1	"	"	"	"	"

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-4 (1-3') SA75140-03	127-17797-08008	Soil	28-Feb-08 00:00	29-Feb-08

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.46 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	8.8	1	SW 846 8260B	05-Mar-08	05-Mar-08	8030232	jro
100-42-5	Styrene	BRL		µg/kg dry	8.8	1	"	"	"	"	"
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	8.8	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	8.8	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL		µg/kg dry	8.8	1	"	"	"	"	"
108-88-3	Toluene	BRL		µg/kg dry	8.8	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	8.8	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	8.8	1	"	"	"	"	"
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	8.8	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	8.8	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	8.8	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL		µg/kg dry	8.8	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	8.8	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	8.8	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	8.8	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	8.8	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL		µg/kg dry	8.8	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL		µg/kg dry	17.6	1	"	"	"	"	"
95-47-6	o-Xylene	BRL		µg/kg dry	8.8	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	87.9	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL		µg/kg dry	8.8	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	8.8	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	8.8	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	8.8	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	87.9	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL		µg/kg dry	176	1	"	"	"	"	"
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	44.0	1	"	"	"	"	"
64-17-5	Ethanol	BRL		µg/kg dry	4400	1	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*100*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*98*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*118*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*103*		*70-130 %*			"	"	"	"	"
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	474	1	SW846 8270C	04-Mar-08	06-Mar-08	8030129	M.B
208-96-8	Acenaphthylene	BRL		µg/kg dry	474	1	"	"	"	"	"
62-53-3	Aniline	BRL		µg/kg dry	474	1	"	"	"	"	"
120-12-7	Anthracene	BRL		µg/kg dry	474	1	"	"	"	"	"
1912-24-9	Atrazine	BRL		µg/kg dry	474	1	"	"	"	"	"
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	474	1	"	"	"	"	"
92-87-5	Benzidine	BRL		µg/kg dry	474	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	474	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	474	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	474	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	474	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	474	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL		µg/kg dry	474	1	"	"	"	"	"
100-51-6	Benzyl alcohol	BRL		µg/kg dry	474	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-4 (1-3') SA75140-03	127-17797-08008	Soil	28-Feb-08 00:00	29-Feb-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	474	1	SW846 8270C	04-Mar-08	06-Mar-08	8030129	M.B
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	474	1	"	"	"	"	"
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	474	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	474	1	"	"	"	"	"
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	474	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	474	1	"	"	"	"	"
86-74-8	Carbazole	BRL		µg/kg dry	474	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	474	1	"	"	"	"	"
106-47-8	4-Chloroaniline	BRL		µg/kg dry	474	1	"	"	"	"	"
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	474	1	"	"	"	"	"
95-57-8	2-Chlorophenol	BRL		µg/kg dry	474	1	"	"	"	"	"
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	474	1	"	"	"	"	"
218-01-9	Chrysene	BRL		µg/kg dry	474	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	474	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL		µg/kg dry	474	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	474	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	474	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	474	1	"	"	"	"	"
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	474	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	474	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL		µg/kg dry	474	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	474	1	"	"	"	"	"
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	474	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	474	1	"	"	"	"	"
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	474	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	474	1	"	"	"	"	"
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	474	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	474	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	474	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL		µg/kg dry	474	1	"	"	"	"	"
86-73-7	Fluorene	BRL		µg/kg dry	474	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	474	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	474	1	"	"	"	"	"
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	474	1	"	"	"	"	"
67-72-1	Hexachloroethane	BRL		µg/kg dry	474	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	474	1	"	"	"	"	"
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	474	1	"	"	"	"	"
78-59-1	Isophorone	BRL		µg/kg dry	474	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	474	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL		µg/kg dry	474	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL		µg/kg dry	474	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/kg dry	474	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL		µg/kg dry	474	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL		µg/kg dry	474	1	"	"	"	"	"
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1890	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL		µg/kg dry	474	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL		µg/kg dry	474	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1890	1	"	"	"	"	"
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	474	1	"	"	"	"	"
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	474	1	"	"	"	"	"

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-4 (1-3') SA75140-03	127-17797-08008	Soil	28-Feb-08 00:00	29-Feb-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	474	1	SW846 8270C	04-Mar-08	06-Mar-08	8030129	M.B
87-86-5	Pentachlorophenol	BRL		µg/kg dry	474	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL		µg/kg dry	474	1	"	"	"	"	"
108-95-2	Phenol	BRL		µg/kg dry	474	1	"	"	"	"	"
129-00-0	Pyrene	BRL		µg/kg dry	474	1	"	"	"	"	"
110-86-1	Pyridine	BRL		µg/kg dry	474	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	474	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	474	1	"	"	"	"	"
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	474	1	"	"	"	"	"
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	474	1	"	"	"	"	"
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	474	1	"	"	"	"	"
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*67*		*30-130 %*			"	"	"	"	"
367-12-4	*2-Fluorophenol*	*68*		*15-110 %*			"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*56*		*30-130 %*			"	"	"	"	"
4165-62-2	*Phenol-d5*	*54*		*15-110 %*			"	"	"	"	"
1718-51-0	*Terphenyl-d14*	*74*		*30-130 %*			"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*78*		*15-110 %*			"	"	"	"	"
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3545A											
12674-11-2	PCB 1016	BRL		µg/kg dry	27.5	1	SW846 8082	04-Mar-08	04-Mar-08	8030131	IMR
11104-28-2	PCB 1221	BRL		µg/kg dry	27.5	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL		µg/kg dry	27.5	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL		µg/kg dry	27.5	1	"	"	"	"	"
12672-29-6	PCB 1248	BRL		µg/kg dry	27.5	1	"	"	"	"	"
11097-69-1	PCB 1254	BRL		µg/kg dry	27.5	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL		µg/kg dry	27.5	1	"	"	"	"	"
37324-23-5	PCB 1262	BRL		µg/kg dry	27.5	1	"	"	"	"	"
11100-14-4	PCB 1268	BRL		µg/kg dry	27.5	1	"	"	"	"	"
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*74*		*30-150 %*			"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*		*30-150 %*			"	"	"	"	"
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	04-Mar-08	05-Mar-08	8030128	MAL
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	"
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	"
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	"
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	"
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	"
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	"
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	"
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	"
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	"
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	"
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*48*		*30-150 %*			"	"	"	"	"
Extractable Petroleum Hydrocarbons											

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-4 (1-3') SA75140-03	127-17797-08008	Soil	28-Feb-08 00:00	29-Feb-08

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	19.1	1	+CT ETPH	04-Mar-08	05-Mar-08	8030125	SHM
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	19.1	1	"	"	"	"	"
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	19.1	1	"	"	"	"	"
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	19.1	1	"	"	"	"	"
M09800000	Motor Oil	BRL		mg/kg dry	19.1	1	"	"	"	"	"
J00100000	Aviation Fuel	BRL		mg/kg dry	19.1	1	"	"	"	"	"
	Unidentified	39.0		mg/kg dry	19.1	1	"	"	"	"	"
	Other Oil	Calculated as		mg/kg dry	19.1	1	"	"	"	"	"
	Total Petroleum Hydrocarbons	39.0		mg/kg dry	19.1	1	"	"	"	"	"
	C9-C36 Aliphatic Hydrocarbons	39.0		mg/kg dry	19.1	1	"	"	"	"	"
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*72*		*50-150 %*			"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.80	1	SW846 6010B	04-Mar-08	05-Mar-08	8030136	SA
7440-38-2	Arsenic	3.35		mg/kg dry	1.80	1	"	"	06-Mar-08	"	LR
7440-39-3	Barium	40.9		mg/kg dry	1.20	1	"	"	05-Mar-08	"	SA
7440-43-9	Cadmium	BRL		mg/kg dry	0.601	1	"	"	"	"	"
7440-47-3	Chromium	18.9		mg/kg dry	1.20	1	"	"	"	"	"
7439-97-6	Mercury	0.107		mg/kg dry	0.0374	1	SW846 7471A	"	05-Mar-08	8030137	CRM
7439-92-1	Lead	72.7		mg/kg dry	1.80	1	SW846 6010B	"	05-Mar-08	8030136	SA
7782-49-2	Selenium	2.60		mg/kg dry	1.80	1	"	"	06-Mar-08	"	LR
General Chemistry Parameters											
	% Solids	69.4		%		1	SM2540 G Mod.	04-Mar-08	04-Mar-08	8030151	DG

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-3 (1.5-2') SA75140-05	127-17797-08008	Soil	28-Feb-08 00:00	29-Feb-08

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	03-Mar-08	03-Mar-08	8030107	DBM
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 4.95 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL		µg/kg dry	8.9	1	SW 846 8260B	05-Mar-08	05-Mar-08	8030232	jro
67-64-1	Acetone	BRL		µg/kg dry	89.0	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL		µg/kg dry	8.9	1	"	"	"	"	"
71-43-2	Benzene	BRL		µg/kg dry	8.9	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL		µg/kg dry	8.9	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL		µg/kg dry	8.9	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL		µg/kg dry	8.9	1	"	"	"	"	"
75-25-2	Bromoform	BRL		µg/kg dry	8.9	1	"	"	"	"	"
74-83-9	Bromomethane	BRL		µg/kg dry	17.8	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	89.0	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL		µg/kg dry	8.9	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	8.9	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	8.9	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL		µg/kg dry	44.5	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	8.9	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL		µg/kg dry	8.9	1	"	"	"	"	"
75-00-3	Chloroethane	BRL		µg/kg dry	17.8	1	"	"	"	"	"
67-66-3	Chloroform	BRL		µg/kg dry	8.9	1	"	"	"	"	"
74-87-3	Chloromethane	BRL		µg/kg dry	17.8	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	8.9	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	8.9	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	17.8	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL		µg/kg dry	8.9	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	8.9	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL		µg/kg dry	8.9	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	8.9	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	8.9	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	8.9	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	17.8	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	8.9	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	8.9	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	8.9	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	8.9	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	8.9	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	8.9	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	8.9	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	8.9	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	8.9	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	8.9	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	8.9	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL		µg/kg dry	8.9	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	8.9	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	89.0	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL		µg/kg dry	8.9	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	8.9	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	8.9	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	89.0	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL		µg/kg dry	89.0	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/kg dry	8.9	1	"	"	"	"	"

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-3 (1.5-2') SA75140-05	127-17797-08008	Soil	28-Feb-08 00:00	29-Feb-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 4.95 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	8.9	1	SW 846 8260B	05-Mar-08	05-Mar-08	8030232	jro
100-42-5	Styrene	BRL		µg/kg dry	8.9	1	"	"	"	"	"
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	8.9	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	8.9	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL		µg/kg dry	8.9	1	"	"	"	"	"
108-88-3	Toluene	BRL		µg/kg dry	8.9	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	8.9	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	8.9	1	"	"	"	"	"
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	8.9	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	8.9	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	8.9	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL		µg/kg dry	8.9	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	8.9	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	8.9	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	8.9	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	8.9	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL		µg/kg dry	8.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL		µg/kg dry	17.8	1	"	"	"	"	"
95-47-6	o-Xylene	BRL		µg/kg dry	8.9	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	89.0	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL		µg/kg dry	8.9	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	8.9	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	8.9	1	"	"	"	"	"
108-20-3	Di-Isopropyl ether	BRL		µg/kg dry	8.9	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	89.0	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL		µg/kg dry	178	1	"	"	"	"	"
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	44.5	1	"	"	"	"	"
64-17-5	Ethanol	BRL		µg/kg dry	4450	1	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*99*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*97*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*116*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*99*		*70-130 %*			"	"	"	"	"
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	460	1	SW846 8270C	04-Mar-08	05-Mar-08	8030129	M.B
208-96-8	Acenaphthylene	BRL		µg/kg dry	460	1	"	"	"	"	"
62-53-3	Aniline	BRL		µg/kg dry	460	1	"	"	"	"	"
120-12-7	Anthracene	BRL		µg/kg dry	460	1	"	"	"	"	"
1912-24-9	Atrazine	BRL		µg/kg dry	460	1	"	"	"	"	"
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	460	1	"	"	"	"	"
92-87-5	Benzidine	BRL		µg/kg dry	460	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	460	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	460	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	460	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	460	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	460	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL		µg/kg dry	460	1	"	"	"	"	"
100-51-6	Benzyl alcohol	BRL		µg/kg dry	460	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-3 (1.5-2') SA75140-05	127-17797-08008	Soil	28-Feb-08 00:00	29-Feb-08

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	460	1	SW846 8270C	04-Mar-08	05-Mar-08	8030129	M.B
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	460	1	"	"	"	"	"
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	460	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	460	1	"	"	"	"	"
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	460	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	460	1	"	"	"	"	"
86-74-8	Carbazole	BRL		µg/kg dry	460	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	460	1	"	"	"	"	"
106-47-8	4-Chloroaniline	BRL		µg/kg dry	460	1	"	"	"	"	"
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	460	1	"	"	"	"	"
95-57-8	2-Chlorophenol	BRL		µg/kg dry	460	1	"	"	"	"	"
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	460	1	"	"	"	"	"
218-01-9	Chrysene	BRL		µg/kg dry	460	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	460	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL		µg/kg dry	460	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	460	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	460	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	460	1	"	"	"	"	"
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	460	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	460	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL		µg/kg dry	460	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	460	1	"	"	"	"	"
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	460	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	460	1	"	"	"	"	"
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	460	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	460	1	"	"	"	"	"
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	460	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	460	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	460	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL		µg/kg dry	460	1	"	"	"	"	"
86-73-7	Fluorene	BRL		µg/kg dry	460	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	460	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	460	1	"	"	"	"	"
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	460	1	"	"	"	"	"
67-72-1	Hexachloroethane	BRL		µg/kg dry	460	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	460	1	"	"	"	"	"
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	460	1	"	"	"	"	"
78-59-1	Isophorone	BRL		µg/kg dry	460	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	460	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL		µg/kg dry	460	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL		µg/kg dry	460	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/kg dry	460	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL		µg/kg dry	460	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL		µg/kg dry	460	1	"	"	"	"	"
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1840	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL		µg/kg dry	460	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL		µg/kg dry	460	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1840	1	"	"	"	"	"
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	460	1	"	"	"	"	"
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	460	1	"	"	"	"	"

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-3 (1.5-2') SA75140-05	127-17797-08008	Soil	28-Feb-08 00:00	29-Feb-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	460	1	SW846 8270C	04-Mar-08	05-Mar-08	8030129	M.B
87-86-5	Pentachlorophenol	BRL		µg/kg dry	460	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL		µg/kg dry	460	1	"	"	"	"	"
108-95-2	Phenol	BRL		µg/kg dry	460	1	"	"	"	"	"
129-00-0	Pyrene	BRL		µg/kg dry	460	1	"	"	"	"	"
110-86-1	Pyridine	BRL		µg/kg dry	460	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	460	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	460	1	"	"	"	"	"
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	460	1	"	"	"	"	"
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	460	1	"	"	"	"	"
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	460	1	"	"	"	"	"
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*59*		*30-130 %*			"	"	"	"	"
367-12-4	*2-Fluorophenol*	*58*		*15-110 %*			"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*47*		*30-130 %*			"	"	"	"	"
4165-62-2	*Phenol-d5*	*47*		*15-110 %*			"	"	"	"	"
1718-51-0	*Terphenyl-d14*	*64*		*30-130 %*			"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*69*		*15-110 %*			"	"	"	"	"
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3545A											
12674-11-2	PCB 1016	BRL		µg/kg dry	27.5	1	SW846 8082	04-Mar-08	04-Mar-08	8030131	IMR
11104-28-2	PCB 1221	BRL		µg/kg dry	27.5	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL		µg/kg dry	27.5	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL		µg/kg dry	27.5	1	"	"	"	"	"
12672-29-6	PCB 1248	BRL		µg/kg dry	27.5	1	"	"	"	"	"
11097-69-1	PCB 1254	BRL		µg/kg dry	27.5	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL		µg/kg dry	27.5	1	"	"	"	"	"
37324-23-5	PCB 1262	BRL		µg/kg dry	27.5	1	"	"	"	"	"
11100-14-4	PCB 1268	BRL		µg/kg dry	27.5	1	"	"	"	"	"
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*81*		*30-150 %*			"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*89*		*30-150 %*			"	"	"	"	"
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	04-Mar-08	05-Mar-08	8030128	MAL
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	"
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	"
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	"
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	"
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	"
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	"
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	"
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	"
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	"
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	"
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*38*		*30-150 %*			"	"	"	"	"
Extractable Petroleum Hydrocarbons											

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-3 (1.5-2') SA75140-05	127-17797-08008	Soil	28-Feb-08 00:00	29-Feb-08

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	18.5	1	+CT ETPH	04-Mar-08	05-Mar-08	8030125	SHM
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	18.5	1	"	"	"	"	"
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	18.5	1	"	"	"	"	"
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	18.5	1	"	"	"	"	"
M09900000	Motor Oil	BRL		mg/kg dry	18.5	1	"	"	"	"	"
J00100000	Aviation Fuel	BRL		mg/kg dry	18.5	1	"	"	"	"	"
	Unidentified	26.9		mg/kg dry	18.5	1	"	"	"	"	"
	Other Oil	Calculated as		mg/kg dry	18.5	1	"	"	"	"	"
	Total Petroleum Hydrocarbons	26.9		mg/kg dry	18.5	1	"	"	"	"	"
	C9-C36 Aliphatic Hydrocarbons	26.9		mg/kg dry	18.5	1	"	"	"	"	"
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*64*		*50-150 %*			"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.91	1	SW846 6010B	04-Mar-08	05-Mar-08	8030136	SA
7440-38-2	Arsenic	2.41		mg/kg dry	1.91	1	"	"	06-Mar-08	"	LR
7440-39-3	Barium	24.2		mg/kg dry	1.28	1	"	"	05-Mar-08	"	SA
7440-43-9	Cadmium	BRL		mg/kg dry	0.638	1	"	"	"	"	"
7440-47-3	Chromium	11.8		mg/kg dry	1.28	1	"	"	"	"	"
7439-97-6	Mercury	BRL		mg/kg dry	0.0369	1	SW846 7471A	"	05-Mar-08	8030137	CRM
7439-92-1	Lead	76.8		mg/kg dry	1.91	1	SW846 6010B	"	05-Mar-08	8030136	SA
7782-49-2	Selenium	BRL		mg/kg dry	1.91	1	"	"	06-Mar-08	"	LR
General Chemistry Parameters											
	% Solids	72.3		%		1	SM2540 G Mod.	04-Mar-08	04-Mar-08	8030151	DG

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-4 (1.5-2') SA75140-06	127-17797-08008	Soil	28-Feb-08 00:00	29-Feb-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	03-Mar-08	03-Mar-08	8030107	DBM
Volatile Organic Compounds						Initial weight: 4.33 g					
Prepared by method SW846 5035A Soil (low level)											
Re-analysis of Volatile Organic Compounds											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL		µg/kg dry	9.1	1	SW 846 8260B	07-Mar-08	07-Mar-08	8030409	jro
67-64-1	Acetone	BRL		µg/kg dry	90.8	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL		µg/kg dry	9.1	1	"	"	"	"	"
71-43-2	Benzene	BRL		µg/kg dry	9.1	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL		µg/kg dry	9.1	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL		µg/kg dry	9.1	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL		µg/kg dry	9.1	1	"	"	"	"	"
75-25-2	Bromoform	BRL		µg/kg dry	9.1	1	"	"	"	"	"
74-83-9	Bromomethane	BRL		µg/kg dry	18.2	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	90.8	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL		µg/kg dry	9.1	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	9.1	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	9.1	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL		µg/kg dry	45.4	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	9.1	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL		µg/kg dry	9.1	1	"	"	"	"	"
75-00-3	Chloroethane	BRL		µg/kg dry	18.2	1	"	"	"	"	"
67-66-3	Chloroform	BRL		µg/kg dry	9.1	1	"	"	"	"	"
74-87-3	Chloromethane	BRL		µg/kg dry	18.2	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	9.1	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	9.1	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	18.2	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL		µg/kg dry	9.1	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	9.1	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL		µg/kg dry	9.1	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	9.1	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	9.1	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	9.1	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	18.2	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	9.1	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	9.1	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	9.1	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	9.1	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	9.1	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	9.1	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	9.1	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	9.1	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	9.1	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	9.1	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	9.1	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL		µg/kg dry	9.1	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	9.1	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	90.8	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL		µg/kg dry	9.1	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	9.1	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	9.1	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	90.8	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL		µg/kg dry	90.8	1	"	"	"	"	"

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-4 (1.5-2') SA75140-06	127-17797-08008	Soil	28-Feb-08 00:00	29-Feb-08

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 4.33 g					
Re-analysis of Volatile Organic Compounds											
91-20-3	Naphthalene	BRL		µg/kg dry	9.1	1	SW 846 8260B	07-Mar-08	07-Mar-08	8030409	jro
103-65-1	n-Propylbenzene	BRL		µg/kg dry	9.1	1	"	"	"	"	"
100-42-5	Styrene	BRL		µg/kg dry	9.1	1	"	"	"	"	"
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	9.1	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	9.1	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL		µg/kg dry	9.1	1	"	"	"	"	"
108-88-3	Toluene	BRL		µg/kg dry	9.1	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	9.1	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	9.1	1	"	"	"	"	"
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	9.1	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	9.1	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	9.1	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL		µg/kg dry	9.1	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	9.1	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	9.1	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	9.1	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	9.1	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL		µg/kg dry	9.1	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL		µg/kg dry	18.2	1	"	"	"	"	"
95-47-6	o-Xylene	BRL		µg/kg dry	9.1	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	90.8	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL		µg/kg dry	9.1	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	9.1	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	9.1	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	9.1	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	90.8	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL		µg/kg dry	182	1	"	"	"	"	"
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	45.4	1	"	"	"	"	"
64-17-5	Ethanol	BRL		µg/kg dry	4540	1	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*99*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*97*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*113*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*100*		*70-130 %*			"	"	"	"	"
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	429	1	SW846 8270C	04-Mar-08	06-Mar-08	8030129	M.B
208-96-8	Acenaphthylene	BRL		µg/kg dry	429	1	"	"	"	"	"
62-53-3	Aniline	BRL		µg/kg dry	429	1	"	"	"	"	"
120-12-7	Anthracene	BRL		µg/kg dry	429	1	"	"	"	"	"
1912-24-9	Atrazine	BRL		µg/kg dry	429	1	"	"	"	"	"
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	429	1	"	"	"	"	"
92-87-5	Benzidine	BRL		µg/kg dry	429	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	772		µg/kg dry	429	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	561		µg/kg dry	429	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	622		µg/kg dry	429	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	429	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	658		µg/kg dry	429	1	"	"	"	"	"

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-4 (1.5-2') SA75140-06	127-17797-08008	Soil	28-Feb-08 00:00	29-Feb-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
65-85-0	Benzoic acid	BRL		µg/kg dry	429	1	SW846 8270C	04-Mar-08	06-Mar-08	8030129	M.B
100-51-6	Benzyl alcohol	BRL		µg/kg dry	429	1	"	"	"	"	"
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	429	1	"	"	"	"	"
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	429	1	"	"	"	"	"
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	429	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	429	1	"	"	"	"	"
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	429	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	429	1	"	"	"	"	"
86-74-8	Carbazole	BRL		µg/kg dry	429	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	429	1	"	"	"	"	"
106-47-8	4-Chloroaniline	BRL		µg/kg dry	429	1	"	"	"	"	"
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	429	1	"	"	"	"	"
95-57-8	2-Chlorophenol	BRL		µg/kg dry	429	1	"	"	"	"	"
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	429	1	"	"	"	"	"
218-01-9	Chrysene	840		µg/kg dry	429	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	429	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL		µg/kg dry	429	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	429	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	429	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	429	1	"	"	"	"	"
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	429	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	429	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL		µg/kg dry	429	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	429	1	"	"	"	"	"
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	429	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	429	1	"	"	"	"	"
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	429	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	429	1	"	"	"	"	"
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	429	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	429	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	429	1	"	"	"	"	"
206-44-0	Fluoranthene	1,880		µg/kg dry	429	1	"	"	"	"	"
86-73-7	Fluorene	BRL		µg/kg dry	429	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	429	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	429	1	"	"	"	"	"
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	429	1	"	"	"	"	"
67-72-1	Hexachloroethane	BRL		µg/kg dry	429	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	429	1	"	"	"	"	"
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	429	1	"	"	"	"	"
78-59-1	Isophorone	BRL		µg/kg dry	429	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	429	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL		µg/kg dry	429	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL		µg/kg dry	429	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/kg dry	429	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL		µg/kg dry	429	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL		µg/kg dry	429	1	"	"	"	"	"
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1720	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL		µg/kg dry	429	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL		µg/kg dry	429	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1720	1	"	"	"	"	"

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-4 (1.5-2') SA75140-06	127-17797-08008	Soil	28-Feb-08 00:00	29-Feb-08

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	429	1	SW846 8270C	04-Mar-08	06-Mar-08	8030129	M.B
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	429	1	"	"	"	"	"
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	429	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL		µg/kg dry	429	1	"	"	"	"	"
85-01-8	Phenanthrene	1,510		µg/kg dry	429	1	"	"	"	"	"
108-95-2	Phenol	BRL		µg/kg dry	429	1	"	"	"	"	"
129-00-0	Pyrene	1,260		µg/kg dry	429	1	"	"	"	"	"
110-86-1	Pyridine	BRL		µg/kg dry	429	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	429	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	429	1	"	"	"	"	"
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	429	1	"	"	"	"	"
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	429	1	"	"	"	"	"
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	429	1	"	"	"	"	"
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*63*		*30-130 %*			"	"	"	"	"
367-12-4	*2-Fluorophenol*	*66*		*15-110 %*			"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*53*		*30-130 %*			"	"	"	"	"
4165-62-2	*Phenol-d5*	*51*		*15-110 %*			"	"	"	"	"
1718-51-0	*Terphenyl-d14*	*68*		*30-130 %*			"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*72*		*15-110 %*			"	"	"	"	"
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3545A											
12674-11-2	PCB 1016	BRL		µg/kg dry	25.0	1	SW846 8082	04-Mar-08	04-Mar-08	8030131	IMR
11104-28-2	PCB 1221	BRL		µg/kg dry	25.0	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL		µg/kg dry	25.0	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL		µg/kg dry	25.0	1	"	"	"	"	"
12672-29-6	PCB 1248	BRL		µg/kg dry	25.0	1	"	"	"	"	"
11097-69-1	PCB 1254	BRL		µg/kg dry	25.0	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL		µg/kg dry	25.0	1	"	"	"	"	"
37324-23-5	PCB 1262	BRL		µg/kg dry	25.0	1	"	"	"	"	"
11100-14-4	PCB 1268	BRL		µg/kg dry	25.0	1	"	"	"	"	"
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*83*		*30-150 %*			"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*93*		*30-150 %*			"	"	"	"	"
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	04-Mar-08	05-Mar-08	8030128	MAL
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	"
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	"
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	"
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	"
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	"
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	"
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	"
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	"
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	"
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	"
Surrogate recoveries:											

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-4 (1.5-2') SA75140-06	127-17797-08008	Soil	28-Feb-08 00:00	29-Feb-08

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GC											
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*45*		*30-150 %*			SW846 8151A	04-Mar-08	05-Mar-08	8030128	MAL
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	17.3	1	+CT ETPH	04-Mar-08	05-Mar-08	8030125	SHM
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	17.3	1	"	"	"	"	"
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	17.3	1	"	"	"	"	"
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	17.3	1	"	"	"	"	"
M09800000	Motor Oil	BRL		mg/kg dry	17.3	1	"	"	"	"	"
J00100000	Aviation Fuel	BRL		mg/kg dry	17.3	1	"	"	"	"	"
	Unidentified	86.4		mg/kg dry	17.3	1	"	"	"	"	"
	Other Oil	Calculated as		mg/kg dry	17.3	1	"	"	"	"	"
	Total Petroleum Hydrocarbons	86.4		mg/kg dry	17.3	1	"	"	"	"	"
	C9-C36 Aliphatic Hydrocarbons	86.4		mg/kg dry	17.3	1	"	"	"	"	"
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*64*		*50-150 %*			"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.87	1	SW846 6010B	04-Mar-08	05-Mar-08	8030136	SA
7440-38-2	Arsenic	2.02		mg/kg dry	1.87	1	"	"	06-Mar-08	"	LR
7440-39-3	Barium	27.7		mg/kg dry	1.25	1	"	"	05-Mar-08	"	SA
7440-43-9	Cadmium	0.625		mg/kg dry	0.625	1	"	"	"	"	"
7440-47-3	Chromium	15.0		mg/kg dry	1.25	1	"	"	"	"	"
7439-97-6	Mercury	0.0358		mg/kg dry	0.0344	1	SW846 7471A	"	05-Mar-08	8030137	CRM
7439-92-1	Lead	43.1		mg/kg dry	1.87	1	SW846 6010B	"	05-Mar-08	8030136	SA
7782-49-2	Selenium	BRL		mg/kg dry	1.87	1	"	"	06-Mar-08	"	LR
General Chemistry Parameters											
	% Solids	76.5		%		1	SM2540 G Mod.	04-Mar-08	04-Mar-08	8030151	DG

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030232 - SW846 5035A Soil (low level)										
Blank (8030232-BLK1)										
Prepared & Analyzed: 05-Mar-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	25.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	50.0						
Naphthalene	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030232 - SW846 5035A Soil (low level)										
Blank (8030232-BLK1)										
Prepared & Analyzed: 05-Mar-08										
n-Propylbenzene	BRL		µg/kg wet	5.0						
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	50.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2500						
Surrogate: 4-Bromofluorobenzene	*52.0*		µg/kg wet		*50.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*49.8*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*62.1*		µg/kg wet		*50.0*		*124*	*70-130*		
Surrogate: Dibromofluoromethane	*52.7*		µg/kg wet		*50.0*		*105*	*70-130*		
LCS (8030232-BS1)										
Prepared & Analyzed: 05-Mar-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.5		µg/kg wet		20.0		97	70-130		
Acetone	9.0		µg/kg wet		20.0		45	24.9-167		
Acrylonitrile	18.2		µg/kg wet		20.0		91	70-130		
Benzene	22.5		µg/kg wet		20.0		112	70-130		
Bromobenzene	21.7		µg/kg wet		20.0		109	70-130		
Bromochloromethane	21.3		µg/kg wet		20.0		107	70-130		
Bromodichloromethane	21.8		µg/kg wet		20.0		109	70-130		
Bromoform	20.4		µg/kg wet		20.0		102	70-130		
Bromomethane	21.1		µg/kg wet		20.0		105	57.4-139		
2-Butanone (MEK)	12.0		µg/kg wet		20.0		60	46.9-141		
n-Butylbenzene	18.7		µg/kg wet		20.0		93	70-130		
sec-Butylbenzene	20.7		µg/kg wet		20.0		104	70-130		
tert-Butylbenzene	21.8		µg/kg wet		20.0		109	70-130		
Carbon disulfide	20.2		µg/kg wet		20.0		101	70-130		
Carbon tetrachloride	19.8		µg/kg wet		20.0		99	70-130		
Chlorobenzene	22.5		µg/kg wet		20.0		112	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030232 - SW846 5035A Soil (low level)										
LCS (8030232-BS1)										
Prepared & Analyzed: 05-Mar-08										
Chloroethane	22.4		µg/kg wet		20.0		112	60.5-131		
Chloroform	22.5		µg/kg wet		20.0		112	70-130		
Chloromethane	23.8		µg/kg wet		20.0		119	70-130		
2-Chlorotoluene	21.4		µg/kg wet		20.0		107	70-130		
4-Chlorotoluene	21.2		µg/kg wet		20.0		106	70-130		
1,2-Dibromo-3-chloropropane	18.1		µg/kg wet		20.0		90	70-130		
Dibromochloromethane	20.5		µg/kg wet		20.0		102	70-130		
1,2-Dibromoethane (EDB)	20.6		µg/kg wet		20.0		103	70-130		
Dibromomethane	20.8		µg/kg wet		20.0		104	70-130		
1,2-Dichlorobenzene	21.7		µg/kg wet		20.0		108	70-130		
1,3-Dichlorobenzene	21.4		µg/kg wet		20.0		107	70-130		
1,4-Dichlorobenzene	20.9		µg/kg wet		20.0		104	70-130		
Dichlorodifluoromethane (Freon12)	20.0		µg/kg wet		20.0		100	47.2-175		
1,1-Dichloroethane	22.8		µg/kg wet		20.0		114	70-130		
1,2-Dichloroethane	20.8		µg/kg wet		20.0		104	70-130		
1,1-Dichloroethene	20.9		µg/kg wet		20.0		105	70-130		
cis-1,2-Dichloroethene	22.8		µg/kg wet		20.0		114	70-130		
trans-1,2-Dichloroethene	21.5		µg/kg wet		20.0		108	70-130		
1,2-Dichloropropane	22.1		µg/kg wet		20.0		111	70-130		
1,3-Dichloropropane	20.9		µg/kg wet		20.0		104	70-130		
2,2-Dichloropropane	19.6		µg/kg wet		20.0		98	70-130		
1,1-Dichloropropene	20.5		µg/kg wet		20.0		103	70-130		
cis-1,3-Dichloropropene	20.1		µg/kg wet		20.0		100	70-130		
trans-1,3-Dichloropropene	19.8		µg/kg wet		20.0		99	70-130		
Ethylbenzene	21.9		µg/kg wet		20.0		109	70-130		
Hexachlorobutadiene	16.4		µg/kg wet		20.0		82	62.4-142		
2-Hexanone (MBK)	13.2	QC2	µg/kg wet		20.0		66	70-130		
Isopropylbenzene	20.9		µg/kg wet		20.0		104	70-130		
4-Isopropyltoluene	21.0		µg/kg wet		20.0		105	70-130		
Methyl tert-butyl ether	19.8		µg/kg wet		20.0		99	70-130		
4-Methyl-2-pentanone (MIBK)	19.7		µg/kg wet		20.0		98	70-135		
Methylene chloride	20.8		µg/kg wet		20.0		104	70-130		
Naphthalene	19.0		µg/kg wet		20.0		95	70-130		
n-Propylbenzene	21.0		µg/kg wet		20.0		105	70-130		
Styrene	22.1		µg/kg wet		20.0		110	70-130		
1,1,1,2-Tetrachloroethane	21.2		µg/kg wet		20.0		106	70-130		
1,1,2,2-Tetrachloroethane	20.5		µg/kg wet		20.0		103	70-130		
Tetrachloroethene	19.9		µg/kg wet		20.0		100	70-130		
Toluene	20.0		µg/kg wet		20.0		100	70-130		
1,2,3-Trichlorobenzene	20.7		µg/kg wet		20.0		104	70-130		
1,2,4-Trichlorobenzene	19.0		µg/kg wet		20.0		95	70-130		
1,3,5-Trichlorobenzene	18.8		µg/kg wet		20.0		94	70-130		
1,1,1-Trichloroethane	21.9		µg/kg wet		20.0		109	70-130		
1,1,2-Trichloroethane	20.9		µg/kg wet		20.0		104	70-130		
Trichloroethene	20.8		µg/kg wet		20.0		104	70-130		
Trichlorofluoromethane (Freon 11)	19.7		µg/kg wet		20.0		99	70-136		
1,2,3-Trichloropropane	21.7		µg/kg wet		20.0		109	70-130		
1,2,4-Trimethylbenzene	21.0		µg/kg wet		20.0		105	70-130		
1,3,5-Trimethylbenzene	21.0		µg/kg wet		20.0		105	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030232 - SW846 5035A Soil (low level)										
LCS (8030232-BS1)										
Prepared & Analyzed: 05-Mar-08										
Vinyl chloride	23.8		µg/kg wet		20.0		119	70-130		
m,p-Xylene	43.5		µg/kg wet		40.0		109	70-130		
o-Xylene	22.4		µg/kg wet		20.0		112	70-130		
Tetrahydrofuran	18.7		µg/kg wet		20.0		93	70-130		
Ethyl ether	20.8		µg/kg wet		20.0		104	70-130		
Tert-amyl methyl ether	20.0		µg/kg wet		20.0		100	70-130		
Ethyl tert-butyl ether	21.4		µg/kg wet		20.0		107	70-130		
Di-isopropyl ether	21.0		µg/kg wet		20.0		105	70-130		
Tert-Butanol / butyl alcohol	173		µg/kg wet		200		86	70-130		
1,4-Dioxane	196		µg/kg wet		200		98	42.2-144		
trans-1,4-Dichloro-2-butene	17.3		µg/kg wet		20.0		87	70-130		
Ethanol	399		µg/kg wet		400		100	70-130		
Surrogate: 4-Bromofluorobenzene	*50.0*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*49.2*		µg/kg wet		*50.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*49.0*		µg/kg wet		*50.0*		*98*	*70-130*		
Surrogate: Dibromofluoromethane	*48.7*		µg/kg wet		*50.0*		*97*	*70-130*		
LCS Dup (8030232-BSD1)										
Prepared & Analyzed: 05-Mar-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.1		µg/kg wet		20.0		95	70-130	2	25
Acetone	8.8		µg/kg wet		20.0		44	24.9-167	3	50
Acrylonitrile	17.8		µg/kg wet		20.0		89	70-130	2	25
Benzene	22.2		µg/kg wet		20.0		111	70-130	1	25
Bromobenzene	21.8		µg/kg wet		20.0		109	70-130	0.09	25
Bromochloromethane	20.6		µg/kg wet		20.0		103	70-130	3	25
Bromodichloromethane	21.3		µg/kg wet		20.0		106	70-130	2	25
Bromoform	19.3		µg/kg wet		20.0		96	70-130	6	25
Bromomethane	20.6		µg/kg wet		20.0		103	57.4-139	2	50
2-Butanone (MEK)	10.8		µg/kg wet		20.0		54	46.9-141	11	50
n-Butylbenzene	17.8		µg/kg wet		20.0		89	70-130	5	25
sec-Butylbenzene	20.6		µg/kg wet		20.0		103	70-130	0.7	25
tert-Butylbenzene	21.7		µg/kg wet		20.0		108	70-130	0.7	25
Carbon disulfide	19.8		µg/kg wet		20.0		99	70-130	2	25
Carbon tetrachloride	19.6		µg/kg wet		20.0		98	70-130	0.9	25
Chlorobenzene	22.2		µg/kg wet		20.0		111	70-130	0.9	25
Chloroethane	22.1		µg/kg wet		20.0		111	60.5-131	1	50
Chloroform	22.0		µg/kg wet		20.0		110	70-130	2	25
Chloromethane	23.3		µg/kg wet		20.0		117	70-130	2	25
2-Chlorotoluene	21.2		µg/kg wet		20.0		106	70-130	1	25
4-Chlorotoluene	20.6		µg/kg wet		20.0		103	70-130	3	25
1,2-Dibromo-3-chloropropane	17.6		µg/kg wet		20.0		88	70-130	3	25
Dibromochloromethane	20.0		µg/kg wet		20.0		100	70-130	2	50
1,2-Dibromoethane (EDB)	19.9		µg/kg wet		20.0		99	70-130	3	25
Dibromomethane	20.1		µg/kg wet		20.0		100	70-130	4	25
1,2-Dichlorobenzene	21.1		µg/kg wet		20.0		106	70-130	3	25
1,3-Dichlorobenzene	21.0		µg/kg wet		20.0		105	70-130	2	25
1,4-Dichlorobenzene	20.2		µg/kg wet		20.0		101	70-130	3	25
Dichlorodifluoromethane (Freon12)	19.3		µg/kg wet		20.0		97	47.2-175	4	50
1,1-Dichloroethane	22.8		µg/kg wet		20.0		114	70-130	0	25
1,2-Dichloroethane	20.3		µg/kg wet		20.0		101	70-130	2	25
1,1-Dichloroethene	21.0		µg/kg wet		20.0		105	70-130	0.5	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030232 - SW846 5035A Soil (low level)										
LCS Dup (8030232-BSD1)										
Prepared & Analyzed: 05-Mar-08										
cis-1,2-Dichloroethene	22.6		µg/kg wet		20.0		113	70-130	0.7	25
trans-1,2-Dichloroethene	21.1		µg/kg wet		20.0		106	70-130	2	25
1,2-Dichloropropane	21.9		µg/kg wet		20.0		109	70-130	1	25
1,3-Dichloropropane	19.6		µg/kg wet		20.0		98	70-130	6	25
2,2-Dichloropropane	19.4		µg/kg wet		20.0		97	70-130	1	25
1,1-Dichloropropene	20.5		µg/kg wet		20.0		103	70-130	0.1	25
cis-1,3-Dichloropropene	19.9		µg/kg wet		20.0		99	70-130	1	25
trans-1,3-Dichloropropene	18.8		µg/kg wet		20.0		94	70-130	5	25
Ethylbenzene	21.8		µg/kg wet		20.0		109	70-130	0.4	25
Hexachlorobutadiene	16.2		µg/kg wet		20.0		81	62.4-142	2	50
2-Hexanone (MBK)	11.9	QC2	µg/kg wet		20.0		59	70-130	10	25
Isopropylbenzene	20.6		µg/kg wet		20.0		103	70-130	1	25
4-Isopropyltoluene	20.4		µg/kg wet		20.0		102	70-130	3	25
Methyl tert-butyl ether	18.9		µg/kg wet		20.0		95	70-130	4	25
4-Methyl-2-pentanone (MIBK)	17.9		µg/kg wet		20.0		90	70-135	9	50
Methylene chloride	20.6		µg/kg wet		20.0		103	70-130	0.8	25
Naphthalene	17.7		µg/kg wet		20.0		88	70-130	7	25
n-Propylbenzene	20.9		µg/kg wet		20.0		104	70-130	0.5	25
Styrene	21.8		µg/kg wet		20.0		109	70-130	1	25
1,1,1,2-Tetrachloroethane	21.5		µg/kg wet		20.0		108	70-130	1	25
1,1,2,2-Tetrachloroethane	19.9		µg/kg wet		20.0		99	70-130	3	25
Tetrachloroethene	19.2		µg/kg wet		20.0		96	70-130	4	25
Toluene	19.5		µg/kg wet		20.0		97	70-130	2	25
1,2,3-Trichlorobenzene	19.9		µg/kg wet		20.0		99	70-130	4	25
1,2,4-Trichlorobenzene	17.9		µg/kg wet		20.0		89	70-130	6	25
1,3,5-Trichlorobenzene	17.8		µg/kg wet		20.0		89	70-130	5	25
1,1,1-Trichloroethane	21.2		µg/kg wet		20.0		106	70-130	3	25
1,1,2-Trichloroethane	20.0		µg/kg wet		20.0		100	70-130	4	25
Trichloroethene	20.6		µg/kg wet		20.0		103	70-130	1	25
Trichlorofluoromethane (Freon 11)	19.3		µg/kg wet		20.0		97	70-136	2	50
1,2,3-Trichloropropane	20.9		µg/kg wet		20.0		104	70-130	4	25
1,2,4-Trimethylbenzene	20.8		µg/kg wet		20.0		104	70-130	1	25
1,3,5-Trimethylbenzene	20.9		µg/kg wet		20.0		104	70-130	0.7	25
Vinyl chloride	23.4		µg/kg wet		20.0		117	70-130	1	25
m,p-Xylene	43.1		µg/kg wet		40.0		108	70-130	0.9	25
o-Xylene	22.6		µg/kg wet		20.0		113	70-130	1	25
Tetrahydrofuran	18.2		µg/kg wet		20.0		91	70-130	2	25
Ethyl ether	19.8		µg/kg wet		20.0		99	70-130	5	50
Tert-amyl methyl ether	18.7		µg/kg wet		20.0		93	70-130	7	25
Ethyl tert-butyl ether	20.8		µg/kg wet		20.0		104	70-130	3	25
Di-isopropyl ether	20.5		µg/kg wet		20.0		102	70-130	3	25
Tert-Butanol / butyl alcohol	156		µg/kg wet		200		78	70-130	10	25
1,4-Dioxane	182		µg/kg wet		200		91	42.2-144	7	25
trans-1,4-Dichloro-2-butene	16.9		µg/kg wet		20.0		84	70-130	2	25
Ethanol	370		µg/kg wet		400		93	70-130	7	30
Surrogate: 4-Bromofluorobenzene	*50.0*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*49.2*		µg/kg wet		*50.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*47.6*		µg/kg wet		*50.0*		*95*	*70-130*		
Surrogate: Dibromofluoromethane	*48.4*		µg/kg wet		*50.0*		*97*	*70-130*		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030245 - SW846 5030 Water MS										
Blank (8030245-BLK1)										
Prepared & Analyzed: 05-Mar-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	1.0						
Acetone	BRL		µg/kg wet	10.0						
Acrylonitrile	BRL		µg/kg wet	1.0						
Benzene	BRL		µg/kg wet	1.0						
Bromobenzene	BRL		µg/kg wet	1.0						
Bromochloromethane	BRL		µg/kg wet	1.0						
Bromodichloromethane	BRL		µg/kg wet	1.0						
Bromoform	BRL		µg/kg wet	1.0						
Bromomethane	BRL		µg/kg wet	2.0						
2-Butanone (MEK)	BRL		µg/kg wet	10.0						
n-Butylbenzene	BRL		µg/kg wet	1.0						
sec-Butylbenzene	BRL		µg/kg wet	1.0						
tert-Butylbenzene	BRL		µg/kg wet	1.0						
Carbon disulfide	BRL		µg/kg wet	5.0						
Carbon tetrachloride	BRL		µg/kg wet	1.0						
Chlorobenzene	BRL		µg/kg wet	1.0						
Chloroethane	BRL		µg/kg wet	2.0						
Chloroform	BRL		µg/kg wet	1.0						
Chloromethane	BRL		µg/kg wet	2.0						
2-Chlorotoluene	BRL		µg/kg wet	1.0						
4-Chlorotoluene	BRL		µg/kg wet	1.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	2.0						
Dibromochloromethane	BRL		µg/kg wet	1.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	1.0						
Dibromomethane	BRL		µg/kg wet	1.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	1.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	1.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	1.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	2.0						
1,1-Dichloroethane	BRL		µg/kg wet	1.0						
1,2-Dichloroethane	BRL		µg/kg wet	1.0						
1,1-Dichloroethene	BRL		µg/kg wet	1.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	1.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	1.0						
1,2-Dichloropropane	BRL		µg/kg wet	1.0						
1,3-Dichloropropane	BRL		µg/kg wet	1.0						
2,2-Dichloropropane	BRL		µg/kg wet	1.0						
1,1-Dichloropropene	BRL		µg/kg wet	1.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	1.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	1.0						
Ethylbenzene	BRL		µg/kg wet	1.0						
Hexachlorobutadiene	BRL		µg/kg wet	1.0						
2-Hexanone (MBK)	BRL		µg/kg wet	10.0						
Isopropylbenzene	BRL		µg/kg wet	1.0						
4-Isopropyltoluene	BRL		µg/kg wet	1.0						
Methyl tert-butyl ether	BRL		µg/kg wet	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	10.0						
Methylene chloride	BRL		µg/kg wet	10.0						
Naphthalene	BRL		µg/kg wet	1.0						
n-Propylbenzene	BRL		µg/kg wet	1.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030245 - SW846 5030 Water MS										
Blank (8030245-BLK1)										
Prepared & Analyzed: 05-Mar-08										
Styrene	BRL		µg/kg wet	1.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	1.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	1.0						
Tetrachloroethene	BRL		µg/kg wet	1.0						
Toluene	BRL		µg/kg wet	1.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	1.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	1.0						
Trichloroethene	BRL		µg/kg wet	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	1.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	1.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	1.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	1.0						
Vinyl chloride	BRL		µg/kg wet	1.0						
m,p-Xylene	BRL		µg/kg wet	2.0						
o-Xylene	BRL		µg/kg wet	1.0						
Tetrahydrofuran	BRL		µg/kg wet	10.0						
Ethyl ether	BRL		µg/kg wet	1.0						
Tert-amyl methyl ether	BRL		µg/kg wet	1.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	1.0						
Di-isopropyl ether	BRL		µg/kg wet	1.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	10.0						
1,4-Dioxane	BRL		µg/kg wet	20.0						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	5.0						
Ethanol	BRL		µg/kg wet	500						
Surrogate: 4-Bromofluorobenzene	*32.0*		µg/kg wet		*30.0*		*107*	*70-130*		
Surrogate: Toluene-d8	*29.2*		µg/kg wet		*30.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.5*		µg/kg wet		*30.0*		*98*	*70-130*		
Surrogate: Dibromofluoromethane	*28.8*		µg/kg wet		*30.0*		*96*	*70-130*		
LCS (8030245-BS1)										
Prepared & Analyzed: 05-Mar-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	27.5	QC2	µg/kg wet		20.0		138	70-130		
Acetone	25.1		µg/kg wet		20.0		125	24.9-167		
Acrylonitrile	26.3	QC1	µg/kg wet		20.0		132	70-130		
Benzene	23.0		µg/kg wet		20.0		115	70-130		
Bromobenzene	23.4		µg/kg wet		20.0		117	70-130		
Bromochloromethane	22.3		µg/kg wet		20.0		112	70-130		
Bromodichloromethane	23.5		µg/kg wet		20.0		117	70-130		
Bromoform	21.4		µg/kg wet		20.0		107	70-130		
Bromomethane	18.2		µg/kg wet		20.0		91	57.4-139		
2-Butanone (MEK)	23.9		µg/kg wet		20.0		120	46.9-141		
n-Butylbenzene	21.5		µg/kg wet		20.0		107	70-130		
sec-Butylbenzene	22.2		µg/kg wet		20.0		111	70-130		
tert-Butylbenzene	22.2		µg/kg wet		20.0		111	70-130		
Carbon disulfide	25.5		µg/kg wet		20.0		128	70-130		
Carbon tetrachloride	24.2		µg/kg wet		20.0		121	70-130		
Chlorobenzene	22.0		µg/kg wet		20.0		110	70-130		
Chloroethane	16.5		µg/kg wet		20.0		82	60.5-131		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030245 - SW846 5030 Water MS										
LCS (8030245-BS1)										
Prepared & Analyzed: 05-Mar-08										
Chloroform	22.0		µg/kg wet		20.0		110	70-130		
Chloromethane	19.0		µg/kg wet		20.0		95	70-130		
2-Chlorotoluene	21.5		µg/kg wet		20.0		107	70-130		
4-Chlorotoluene	23.1		µg/kg wet		20.0		115	70-130		
1,2-Dibromo-3-chloropropane	25.3		µg/kg wet		20.0		126	70-130		
Dibromochloromethane	23.5		µg/kg wet		20.0		117	70-130		
1,2-Dibromoethane (EDB)	22.9		µg/kg wet		20.0		115	70-130		
Dibromomethane	23.9		µg/kg wet		20.0		120	70-130		
1,2-Dichlorobenzene	23.5		µg/kg wet		20.0		118	70-130		
1,3-Dichlorobenzene	23.9		µg/kg wet		20.0		119	70-130		
1,4-Dichlorobenzene	22.2		µg/kg wet		20.0		111	70-130		
Dichlorodifluoromethane (Freon12)	20.9		µg/kg wet		20.0		104	47.2-175		
1,1-Dichloroethane	23.0		µg/kg wet		20.0		115	70-130		
1,2-Dichloroethane	22.7		µg/kg wet		20.0		113	70-130		
1,1-Dichloroethene	24.1		µg/kg wet		20.0		121	70-130		
cis-1,2-Dichloroethene	23.9		µg/kg wet		20.0		120	70-130		
trans-1,2-Dichloroethene	22.4		µg/kg wet		20.0		112	70-130		
1,2-Dichloropropane	22.8		µg/kg wet		20.0		114	70-130		
1,3-Dichloropropane	24.0		µg/kg wet		20.0		120	70-130		
2,2-Dichloropropane	23.6		µg/kg wet		20.0		118	70-130		
1,1-Dichloropropene	25.8		µg/kg wet		20.0		129	70-130		
cis-1,3-Dichloropropene	22.8		µg/kg wet		20.0		114	70-130		
trans-1,3-Dichloropropene	23.0		µg/kg wet		20.0		115	70-130		
Ethylbenzene	22.7		µg/kg wet		20.0		113	70-130		
Hexachlorobutadiene	25.0		µg/kg wet		20.0		125	62.4-142		
2-Hexanone (MBK)	23.6		µg/kg wet		20.0		118	70-130		
Isopropylbenzene	20.7		µg/kg wet		20.0		103	70-130		
4-Isopropyltoluene	22.1		µg/kg wet		20.0		110	70-130		
Methyl tert-butyl ether	24.3		µg/kg wet		20.0		121	70-130		
4-Methyl-2-pentanone (MIBK)	24.7		µg/kg wet		20.0		124	70-135		
Methylene chloride	21.5		µg/kg wet		20.0		108	70-130		
Naphthalene	30.9	QC2	µg/kg wet		20.0		154	70-130		
n-Propylbenzene	21.6		µg/kg wet		20.0		108	70-130		
Styrene	21.1		µg/kg wet		20.0		106	70-130		
1,1,1,2-Tetrachloroethane	22.8		µg/kg wet		20.0		114	70-130		
1,1,2,2-Tetrachloroethane	24.5		µg/kg wet		20.0		123	70-130		
Tetrachloroethene	24.2		µg/kg wet		20.0		121	70-130		
Toluene	22.1		µg/kg wet		20.0		110	70-130		
1,2,3-Trichlorobenzene	27.5	QC2	µg/kg wet		20.0		138	70-130		
1,2,4-Trichlorobenzene	25.7		µg/kg wet		20.0		129	70-130		
1,3,5-Trichlorobenzene	22.8		µg/kg wet		20.0		114	70-130		
1,1,1-Trichloroethane	23.9		µg/kg wet		20.0		120	70-130		
1,1,2-Trichloroethane	24.2		µg/kg wet		20.0		121	70-130		
Trichloroethene	23.1		µg/kg wet		20.0		116	70-130		
Trichlorofluoromethane (Freon 11)	22.8		µg/kg wet		20.0		114	70-136		
1,2,3-Trichloropropane	25.0		µg/kg wet		20.0		125	70-130		
1,2,4-Trimethylbenzene	20.2		µg/kg wet		20.0		101	70-130		
1,3,5-Trimethylbenzene	21.5		µg/kg wet		20.0		107	70-130		
Vinyl chloride	24.4		µg/kg wet		20.0		122	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030245 - SW846 5030 Water MS										
LCS (8030245-BS1)										
Prepared & Analyzed: 05-Mar-08										
m,p-Xylene	44.1		µg/kg wet		40.0		110	70-130		
o-Xylene	23.4		µg/kg wet		20.0		117	70-130		
Tetrahydrofuran	24.9		µg/kg wet		20.0		124	70-130		
Ethyl ether	22.4		µg/kg wet		20.0		112	70-130		
Tert-amyl methyl ether	23.5		µg/kg wet		20.0		118	70-130		
Ethyl tert-butyl ether	25.8		µg/kg wet		20.0		129	70-130		
Di-isopropyl ether	24.1		µg/kg wet		20.0		121	70-130		
Tert-Butanol / butyl alcohol	248		µg/kg wet		200		124	70-130		
1,4-Dioxane	110		µg/kg wet		200		55	42.2-144		
trans-1,4-Dichloro-2-butene	23.7		µg/kg wet		20.0		118	70-130		
Ethanol	450		µg/kg wet		400		113	70-130		
Surrogate: 4-Bromofluorobenzene	*30.6*		µg/kg wet		*30.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*29.1*		µg/kg wet		*30.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*31.2*		µg/kg wet		*30.0*		*104*	*70-130*		
Surrogate: Dibromofluoromethane	*30.2*		µg/kg wet		*30.0*		*101*	*70-130*		
LCS Dup (8030245-BSD1)										
Prepared & Analyzed: 05-Mar-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	26.9	QC2	µg/kg wet		20.0		135	70-130	2	25
Acetone	23.2		µg/kg wet		20.0		116	24.9-167	7	50
Acrylonitrile	25.2		µg/kg wet		20.0		126	70-130	4	25
Benzene	22.4		µg/kg wet		20.0		112	70-130	3	25
Bromobenzene	24.0		µg/kg wet		20.0		120	70-130	3	25
Bromochloromethane	22.9		µg/kg wet		20.0		114	70-130	2	25
Bromodichloromethane	24.4		µg/kg wet		20.0		122	70-130	4	25
Bromoform	23.4		µg/kg wet		20.0		117	70-130	9	25
Bromomethane	18.3		µg/kg wet		20.0		91	57.4-139	0.5	50
2-Butanone (MEK)	22.7		µg/kg wet		20.0		114	46.9-141	5	50
n-Butylbenzene	20.2		µg/kg wet		20.0		101	70-130	6	25
sec-Butylbenzene	22.9		µg/kg wet		20.0		114	70-130	3	25
tert-Butylbenzene	22.7		µg/kg wet		20.0		113	70-130	2	25
Carbon disulfide	26.0		µg/kg wet		20.0		130	70-130	2	25
Carbon tetrachloride	24.2		µg/kg wet		20.0		121	70-130	0.2	25
Chlorobenzene	23.0		µg/kg wet		20.0		115	70-130	5	25
Chloroethane	18.4		µg/kg wet		20.0		92	60.5-131	11	50
Chloroform	23.3		µg/kg wet		20.0		116	70-130	5	25
Chloromethane	20.6		µg/kg wet		20.0		103	70-130	8	25
2-Chlorotoluene	20.8		µg/kg wet		20.0		104	70-130	3	25
4-Chlorotoluene	22.9		µg/kg wet		20.0		115	70-130	0.5	25
1,2-Dibromo-3-chloropropane	24.5		µg/kg wet		20.0		123	70-130	3	25
Dibromochloromethane	24.4		µg/kg wet		20.0		122	70-130	4	50
1,2-Dibromoethane (EDB)	24.4		µg/kg wet		20.0		122	70-130	6	25
Dibromomethane	24.7		µg/kg wet		20.0		124	70-130	3	25
1,2-Dichlorobenzene	23.7		µg/kg wet		20.0		118	70-130	0.7	25
1,3-Dichlorobenzene	25.1		µg/kg wet		20.0		126	70-130	5	25
1,4-Dichlorobenzene	23.3		µg/kg wet		20.0		117	70-130	5	25
Dichlorodifluoromethane (Freon12)	18.1		µg/kg wet		20.0		91	47.2-175	14	50
1,1-Dichloroethane	23.7		µg/kg wet		20.0		119	70-130	3	25
1,2-Dichloroethane	23.3		µg/kg wet		20.0		117	70-130	3	25
1,1-Dichloroethene	23.6		µg/kg wet		20.0		118	70-130	2	25
cis-1,2-Dichloroethene	23.4		µg/kg wet		20.0		117	70-130	2	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030245 - SW846 5030 Water MS										
LCS Dup (8030245-BSD1)										
Prepared & Analyzed: 05-Mar-08										
trans-1,2-Dichloroethene	21.9		µg/kg wet		20.0		109	70-130	2	25
1,2-Dichloropropane	23.3		µg/kg wet		20.0		116	70-130	2	25
1,3-Dichloropropane	24.9		µg/kg wet		20.0		124	70-130	4	25
2,2-Dichloropropane	23.4		µg/kg wet		20.0		117	70-130	0.7	25
1,1-Dichloropropene	25.5		µg/kg wet		20.0		127	70-130	1	25
cis-1,3-Dichloropropene	23.2		µg/kg wet		20.0		116	70-130	1	25
trans-1,3-Dichloropropene	24.5		µg/kg wet		20.0		122	70-130	6	25
Ethylbenzene	23.6		µg/kg wet		20.0		118	70-130	4	25
Hexachlorobutadiene	25.3		µg/kg wet		20.0		126	62.4-142	0.9	50
2-Hexanone (MBK)	23.0		µg/kg wet		20.0		115	70-130	3	25
Isopropylbenzene	21.7		µg/kg wet		20.0		108	70-130	5	25
4-Isopropyltoluene	21.2		µg/kg wet		20.0		106	70-130	4	25
Methyl tert-butyl ether	23.9		µg/kg wet		20.0		120	70-130	1	25
4-Methyl-2-pentanone (MIBK)	24.1		µg/kg wet		20.0		120	70-135	3	50
Methylene chloride	22.7		µg/kg wet		20.0		114	70-130	5	25
Naphthalene	30.9	QC2	µg/kg wet		20.0		155	70-130	0.2	25
n-Propylbenzene	21.8		µg/kg wet		20.0		109	70-130	1	25
Styrene	22.3		µg/kg wet		20.0		111	70-130	5	25
1,1,1,2-Tetrachloroethane	24.2		µg/kg wet		20.0		121	70-130	6	25
1,1,2,2-Tetrachloroethane	26.1	QC1	µg/kg wet		20.0		131	70-130	6	25
Tetrachloroethene	24.6		µg/kg wet		20.0		123	70-130	2	25
Toluene	22.5		µg/kg wet		20.0		113	70-130	2	25
1,2,3-Trichlorobenzene	28.0	QC2	µg/kg wet		20.0		140	70-130	2	25
1,2,4-Trichlorobenzene	25.8		µg/kg wet		20.0		129	70-130	0.2	25
1,3,5-Trichlorobenzene	21.7		µg/kg wet		20.0		108	70-130	5	25
1,1,1-Trichloroethane	23.9		µg/kg wet		20.0		120	70-130	0.04	25
1,1,2-Trichloroethane	24.5		µg/kg wet		20.0		122	70-130	1	25
Trichloroethene	23.6		µg/kg wet		20.0		118	70-130	2	25
Trichlorofluoromethane (Freon 11)	22.8		µg/kg wet		20.0		114	70-136	0.3	50
1,2,3-Trichloropropane	26.6	QC1	µg/kg wet		20.0		133	70-130	6	25
1,2,4-Trimethylbenzene	20.7		µg/kg wet		20.0		103	70-130	2	25
1,3,5-Trimethylbenzene	21.9		µg/kg wet		20.0		110	70-130	2	25
Vinyl chloride	22.4		µg/kg wet		20.0		112	70-130	9	25
m,p-Xylene	48.2		µg/kg wet		40.0		120	70-130	9	25
o-Xylene	24.2		µg/kg wet		20.0		121	70-130	3	25
Tetrahydrofuran	24.7		µg/kg wet		20.0		124	70-130	0.6	25
Ethyl ether	23.6		µg/kg wet		20.0		118	70-130	5	50
Tert-amyl methyl ether	24.2		µg/kg wet		20.0		121	70-130	3	25
Ethyl tert-butyl ether	26.4	QC1	µg/kg wet		20.0		132	70-130	2	25
Di-isopropyl ether	23.7		µg/kg wet		20.0		118	70-130	2	25
Tert-Butanol / butyl alcohol	257		µg/kg wet		200		128	70-130	3	25
1,4-Dioxane	161	QR2	µg/kg wet		200		80	42.2-144	38	25
trans-1,4-Dichloro-2-butene	24.9		µg/kg wet		20.0		124	70-130	5	25
Ethanol	441		µg/kg wet		400		110	70-130	2	30
Surrogate: 4-Bromofluorobenzene	*32.2*		µg/kg wet		*30.0*		*107*	*70-130*		
Surrogate: Toluene-d8	*29.6*		µg/kg wet		*30.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*30.6*		µg/kg wet		*30.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane	*30.8*		µg/kg wet		*30.0*		*103*	*70-130*		

Batch 8030409 - SW846 5035A Soil (low level)

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030409 - SW846 5035A Soil (low level)										
Blank (8030409-BLK1)										
Prepared & Analyzed: 07-Mar-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	25.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	50.0						
Naphthalene	BRL		µg/kg wet	5.0						
n-Propylbenzene	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030409 - SW846 5035A Soil (low level)										
Blank (8030409-BLK1)										
Prepared & Analyzed: 07-Mar-08										
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	50.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2500						
Surrogate: 4-Bromofluorobenzene	*BRL*		µg/kg wet		*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*49.7*		µg/kg wet		*50.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*55.0*		µg/kg wet		*50.0*		*110*	*70-130*		
Surrogate: Dibromofluoromethane	*50.0*		µg/kg wet		*50.0*		*100*	*70-130*		
LCS (8030409-BS1)										
Prepared & Analyzed: 07-Mar-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	22.7		µg/kg wet		20.0		114	70-130		
Acetone	12.5		µg/kg wet		20.0		63	24.9-167		
Acrylonitrile	20.0		µg/kg wet		20.0		100	70-130		
Benzene	23.9		µg/kg wet		20.0		119	70-130		
Bromobenzene	23.1		µg/kg wet		20.0		115	70-130		
Bromochloromethane	22.5		µg/kg wet		20.0		112	70-130		
Bromodichloromethane	22.8		µg/kg wet		20.0		114	70-130		
Bromoform	21.1		µg/kg wet		20.0		105	70-130		
Bromomethane	22.2		µg/kg wet		20.0		111	57.4-139		
2-Butanone (MEK)	16.3		µg/kg wet		20.0		82	46.9-141		
n-Butylbenzene	22.8		µg/kg wet		20.0		114	70-130		
sec-Butylbenzene	23.8		µg/kg wet		20.0		119	70-130		
tert-Butylbenzene	24.1		µg/kg wet		20.0		121	70-130		
Carbon disulfide	21.6		µg/kg wet		20.0		108	70-130		
Carbon tetrachloride	21.9		µg/kg wet		20.0		110	70-130		
Chlorobenzene	23.8		µg/kg wet		20.0		119	70-130		
Chloroethane	23.1		µg/kg wet		20.0		115	60.5-131		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030409 - SW846 5035A Soil (low level)										
LCS (8030409-BS1)										
Prepared & Analyzed: 07-Mar-08										
Chloroform	23.4		µg/kg wet		20.0		117	70-130		
Chloromethane	23.3		µg/kg wet		20.0		116	70-130		
2-Chlorotoluene	23.4		µg/kg wet		20.0		117	70-130		
4-Chlorotoluene	23.2		µg/kg wet		20.0		116	70-130		
1,2-Dibromo-3-chloropropane	19.0		µg/kg wet		20.0		95	70-130		
Dibromochloromethane	21.5		µg/kg wet		20.0		107	70-130		
1,2-Dibromoethane (EDB)	21.0		µg/kg wet		20.0		105	70-130		
Dibromomethane	21.6		µg/kg wet		20.0		108	70-130		
1,2-Dichlorobenzene	23.7		µg/kg wet		20.0		118	70-130		
1,3-Dichlorobenzene	23.3		µg/kg wet		20.0		116	70-130		
1,4-Dichlorobenzene	22.9		µg/kg wet		20.0		114	70-130		
Dichlorodifluoromethane (Freon12)	19.7		µg/kg wet		20.0		99	47.2-175		
1,1-Dichloroethane	24.4		µg/kg wet		20.0		122	70-130		
1,2-Dichloroethane	21.4		µg/kg wet		20.0		107	70-130		
1,1-Dichloroethene	23.2		µg/kg wet		20.0		116	70-130		
cis-1,2-Dichloroethene	24.0		µg/kg wet		20.0		120	70-130		
trans-1,2-Dichloroethene	23.0		µg/kg wet		20.0		115	70-130		
1,2-Dichloropropane	23.5		µg/kg wet		20.0		117	70-130		
1,3-Dichloropropane	21.5		µg/kg wet		20.0		108	70-130		
2,2-Dichloropropane	22.9		µg/kg wet		20.0		115	70-130		
1,1-Dichloropropene	23.0		µg/kg wet		20.0		115	70-130		
cis-1,3-Dichloropropene	22.1		µg/kg wet		20.0		110	70-130		
trans-1,3-Dichloropropene	21.2		µg/kg wet		20.0		106	70-130		
Ethylbenzene	23.7		µg/kg wet		20.0		118	70-130		
Hexachlorobutadiene	21.0		µg/kg wet		20.0		105	62.4-142		
2-Hexanone (MBK)	14.0		µg/kg wet		20.0		70	70-130		
Isopropylbenzene	23.2		µg/kg wet		20.0		116	70-130		
4-Isopropyltoluene	23.8		µg/kg wet		20.0		119	70-130		
Methyl tert-butyl ether	20.3		µg/kg wet		20.0		102	70-130		
4-Methyl-2-pentanone (MIBK)	19.2		µg/kg wet		20.0		96	70-135		
Methylene chloride	21.7		µg/kg wet		20.0		109	70-130		
Naphthalene	18.9		µg/kg wet		20.0		94	70-130		
n-Propylbenzene	23.7		µg/kg wet		20.0		119	70-130		
Styrene	23.6		µg/kg wet		20.0		118	70-130		
1,1,1,2-Tetrachloroethane	23.2		µg/kg wet		20.0		116	70-130		
1,1,2,2-Tetrachloroethane	21.2		µg/kg wet		20.0		106	70-130		
Tetrachloroethene	22.3		µg/kg wet		20.0		112	70-130		
Toluene	21.3		µg/kg wet		20.0		107	70-130		
1,2,3-Trichlorobenzene	22.2		µg/kg wet		20.0		111	70-130		
1,2,4-Trichlorobenzene	21.5		µg/kg wet		20.0		107	70-130		
1,3,5-Trichlorobenzene	21.7		µg/kg wet		20.0		108	70-130		
1,1,1-Trichloroethane	23.7		µg/kg wet		20.0		118	70-130		
1,1,2-Trichloroethane	21.9		µg/kg wet		20.0		110	70-130		
Trichloroethene	22.9		µg/kg wet		20.0		114	70-130		
Trichlorofluoromethane (Freon 11)	21.7		µg/kg wet		20.0		108	70-136		
1,2,3-Trichloropropane	22.4		µg/kg wet		20.0		112	70-130		
1,2,4-Trimethylbenzene	23.2		µg/kg wet		20.0		116	70-130		
1,3,5-Trimethylbenzene	23.1		µg/kg wet		20.0		116	70-130		
Vinyl chloride	24.9		µg/kg wet		20.0		125	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030409 - SW846 5035A Soil (low level)										
LCS (8030409-BS1)										
Prepared & Analyzed: 07-Mar-08										
m,p-Xylene	47.4		µg/kg wet		40.0		119	70-130		
o-Xylene	24.6		µg/kg wet		20.0		123	70-130		
Tetrahydrofuran	19.0		µg/kg wet		20.0		95	70-130		
Ethyl ether	21.2		µg/kg wet		20.0		106	70-130		
Tert-amyl methyl ether	20.9		µg/kg wet		20.0		105	70-130		
Ethyl tert-butyl ether	22.4		µg/kg wet		20.0		112	70-130		
Di-isopropyl ether	22.4		µg/kg wet		20.0		112	70-130		
Tert-Butanol / butyl alcohol	160		µg/kg wet		200		80	70-130		
1,4-Dioxane	177		µg/kg wet		200		89	42.2-144		
trans-1,4-Dichloro-2-butene	18.9		µg/kg wet		20.0		94	70-130		
Ethanol	398		µg/kg wet		400		99	70-130		
Surrogate: 4-Bromofluorobenzene	*49.9*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*49.4*		µg/kg wet		*50.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.5*		µg/kg wet		*50.0*		*97*	*70-130*		
Surrogate: Dibromofluoromethane	*49.2*		µg/kg wet		*50.0*		*98*	*70-130*		
LCS Dup (8030409-BSD1)										
Prepared & Analyzed: 07-Mar-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	21.8		µg/kg wet		20.0		109	70-130	4	25
Acetone	11.9		µg/kg wet		20.0		60	24.9-167	5	50
Acrylonitrile	18.3		µg/kg wet		20.0		91	70-130	9	25
Benzene	23.0		µg/kg wet		20.0		115	70-130	4	25
Bromobenzene	22.0		µg/kg wet		20.0		110	70-130	5	25
Bromochloromethane	21.4		µg/kg wet		20.0		107	70-130	5	25
Bromodichloromethane	22.5		µg/kg wet		20.0		113	70-130	1	25
Bromoform	20.0		µg/kg wet		20.0		100	70-130	5	25
Bromomethane	21.2		µg/kg wet		20.0		106	57.4-139	5	50
2-Butanone (MEK)	15.6		µg/kg wet		20.0		78	46.9-141	4	50
n-Butylbenzene	22.0		µg/kg wet		20.0		110	70-130	4	25
sec-Butylbenzene	22.6		µg/kg wet		20.0		113	70-130	5	25
tert-Butylbenzene	23.0		µg/kg wet		20.0		115	70-130	5	25
Carbon disulfide	20.9		µg/kg wet		20.0		104	70-130	3	25
Carbon tetrachloride	21.4		µg/kg wet		20.0		107	70-130	2	25
Chlorobenzene	22.8		µg/kg wet		20.0		114	70-130	4	25
Chloroethane	22.7		µg/kg wet		20.0		114	60.5-131	2	50
Chloroform	22.8		µg/kg wet		20.0		114	70-130	3	25
Chloromethane	22.8		µg/kg wet		20.0		114	70-130	2	25
2-Chlorotoluene	22.1		µg/kg wet		20.0		111	70-130	6	25
4-Chlorotoluene	22.5		µg/kg wet		20.0		112	70-130	3	25
1,2-Dibromo-3-chloropropane	17.2		µg/kg wet		20.0		86	70-130	10	25
Dibromochloromethane	20.6		µg/kg wet		20.0		103	70-130	4	50
1,2-Dibromoethane (EDB)	20.3		µg/kg wet		20.0		101	70-130	4	25
Dibromomethane	21.2		µg/kg wet		20.0		106	70-130	2	25
1,2-Dichlorobenzene	22.4		µg/kg wet		20.0		112	70-130	5	25
1,3-Dichlorobenzene	22.4		µg/kg wet		20.0		112	70-130	4	25
1,4-Dichlorobenzene	22.1		µg/kg wet		20.0		111	70-130	3	25
Dichlorodifluoromethane (Freon12)	18.8		µg/kg wet		20.0		94	47.2-175	5	50
1,1-Dichloroethane	23.2		µg/kg wet		20.0		116	70-130	5	25
1,2-Dichloroethane	20.4		µg/kg wet		20.0		102	70-130	5	25
1,1-Dichloroethene	22.5		µg/kg wet		20.0		112	70-130	3	25
cis-1,2-Dichloroethene	23.3		µg/kg wet		20.0		116	70-130	3	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030409 - SW846 5035A Soil (low level)										
LCS Dup (8030409-BSD1)										
Prepared & Analyzed: 07-Mar-08										
trans-1,2-Dichloroethene	22.2		µg/kg wet		20.0		111	70-130	3	25
1,2-Dichloropropane	22.9		µg/kg wet		20.0		114	70-130	3	25
1,3-Dichloropropane	21.1		µg/kg wet		20.0		105	70-130	2	25
2,2-Dichloropropane	22.2		µg/kg wet		20.0		111	70-130	3	25
1,1-Dichloropropene	22.3		µg/kg wet		20.0		111	70-130	3	25
cis-1,3-Dichloropropene	21.3		µg/kg wet		20.0		107	70-130	3	25
trans-1,3-Dichloropropene	20.4		µg/kg wet		20.0		102	70-130	4	25
Ethylbenzene	22.7		µg/kg wet		20.0		114	70-130	4	25
Hexachlorobutadiene	20.0		µg/kg wet		20.0		100	62.4-142	5	50
2-Hexanone (MBK)	13.4	QC1	µg/kg wet		20.0		67	70-130	4	25
Isopropylbenzene	22.0		µg/kg wet		20.0		110	70-130	5	25
4-Isopropyltoluene	23.2		µg/kg wet		20.0		116	70-130	3	25
Methyl tert-butyl ether	19.3		µg/kg wet		20.0		97	70-130	5	25
4-Methyl-2-pentanone (MIBK)	17.7		µg/kg wet		20.0		88	70-135	8	50
Methylene chloride	21.1		µg/kg wet		20.0		105	70-130	3	25
Naphthalene	18.1		µg/kg wet		20.0		91	70-130	4	25
n-Propylbenzene	22.6		µg/kg wet		20.0		113	70-130	5	25
Styrene	22.5		µg/kg wet		20.0		113	70-130	4	25
1,1,1,2-Tetrachloroethane	21.3		µg/kg wet		20.0		107	70-130	8	25
1,1,2,2-Tetrachloroethane	19.4		µg/kg wet		20.0		97	70-130	9	25
Tetrachloroethene	21.6		µg/kg wet		20.0		108	70-130	3	25
Toluene	20.9		µg/kg wet		20.0		104	70-130	2	25
1,2,3-Trichlorobenzene	21.2		µg/kg wet		20.0		106	70-130	4	25
1,2,4-Trichlorobenzene	20.2		µg/kg wet		20.0		101	70-130	6	25
1,3,5-Trichlorobenzene	21.1		µg/kg wet		20.0		105	70-130	3	25
1,1,1-Trichloroethane	23.1		µg/kg wet		20.0		116	70-130	2	25
1,1,2-Trichloroethane	21.2		µg/kg wet		20.0		106	70-130	3	25
Trichloroethene	22.2		µg/kg wet		20.0		111	70-130	3	25
Trichlorofluoromethane (Freon 11)	21.3		µg/kg wet		20.0		106	70-136	2	50
1,2,3-Trichloropropane	21.2		µg/kg wet		20.0		106	70-130	6	25
1,2,4-Trimethylbenzene	22.1		µg/kg wet		20.0		110	70-130	5	25
1,3,5-Trimethylbenzene	22.3		µg/kg wet		20.0		112	70-130	4	25
Vinyl chloride	23.8		µg/kg wet		20.0		119	70-130	4	25
m,p-Xylene	45.2		µg/kg wet		40.0		113	70-130	5	25
o-Xylene	23.5		µg/kg wet		20.0		117	70-130	4	25
Tetrahydrofuran	17.6		µg/kg wet		20.0		88	70-130	8	25
Ethyl ether	20.4		µg/kg wet		20.0		102	70-130	3	50
Tert-amyl methyl ether	19.4		µg/kg wet		20.0		97	70-130	8	25
Ethyl tert-butyl ether	21.4		µg/kg wet		20.0		107	70-130	4	25
Di-isopropyl ether	21.5		µg/kg wet		20.0		108	70-130	4	25
Tert-Butanol / butyl alcohol	150		µg/kg wet		200		75	70-130	7	25
1,4-Dioxane	172		µg/kg wet		200		86	42.2-144	3	25
trans-1,4-Dichloro-2-butene	18.0		µg/kg wet		20.0		90	70-130	5	25
Ethanol	337		µg/kg wet		400		84	70-130	16	30
Surrogate: 4-Bromofluorobenzene	*49.4*		µg/kg wet		*50.0*		*99*	*70-130*		
Surrogate: Toluene-d8	*49.9*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*46.9*		µg/kg wet		*50.0*		*94*	*70-130*		
Surrogate: Dibromofluoromethane	*48.8*		µg/kg wet		*50.0*		*98*	*70-130*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030129 - SW846 3550B										
Blank (8030129-BLK1)										
Prepared: 04-Mar-08 Analyzed: 05-Mar-08										
Acenaphthene	BRL		µg/kg wet	165						
Acenaphthylene	BRL		µg/kg wet	165						
Aniline	BRL		µg/kg wet	165						
Anthracene	BRL		µg/kg wet	165						
Atrazine	BRL		µg/kg wet	165						
Azobenzene/Diphenyldiazine	BRL		µg/kg wet	165						
Benzidine	BRL		µg/kg wet	165						
Benzo (a) anthracene	BRL		µg/kg wet	165						
Benzo (a) pyrene	BRL		µg/kg wet	165						
Benzo (b) fluoranthene	BRL		µg/kg wet	165						
Benzo (g,h,i) perylene	BRL		µg/kg wet	165						
Benzo (k) fluoranthene	BRL		µg/kg wet	165						
Benzoic acid	BRL		µg/kg wet	165						
Benzyl alcohol	BRL		µg/kg wet	165						
Bis(2-chloroethoxy)methane	BRL		µg/kg wet	165						
Bis(2-chloroethyl)ether	BRL		µg/kg wet	165						
Bis(2-chloroisopropyl)ether	BRL		µg/kg wet	165						
Bis(2-ethylhexyl)phthalate	BRL		µg/kg wet	165						
4-Bromophenyl phenyl ether	BRL		µg/kg wet	165						
Butyl benzyl phthalate	BRL		µg/kg wet	165						
Carbazole	BRL		µg/kg wet	165						
4-Chloro-3-methylphenol	BRL		µg/kg wet	165						
4-Chloroaniline	BRL		µg/kg wet	165						
2-Chloronaphthalene	BRL		µg/kg wet	165						
2-Chlorophenol	BRL		µg/kg wet	165						
4-Chlorophenyl phenyl ether	BRL		µg/kg wet	165						
Chrysene	BRL		µg/kg wet	165						
Dibenzo (a,h) anthracene	BRL		µg/kg wet	165						
Dibenzofuran	BRL		µg/kg wet	165						
1,2-Dichlorobenzene	BRL		µg/kg wet	165						
1,3-Dichlorobenzene	BRL		µg/kg wet	165						
1,4-Dichlorobenzene	BRL		µg/kg wet	165						
3,3'-Dichlorobenzidine	BRL		µg/kg wet	165						
2,4-Dichlorophenol	BRL		µg/kg wet	165						
Diethyl phthalate	BRL		µg/kg wet	165						
Dimethyl phthalate	BRL		µg/kg wet	165						
2,4-Dimethylphenol	BRL		µg/kg wet	165						
Di-n-butyl phthalate	BRL		µg/kg wet	165						
4,6-Dinitro-2-methylphenol	BRL		µg/kg wet	165						
2,4-Dinitrophenol	BRL		µg/kg wet	165						
2,4-Dinitrotoluene	BRL		µg/kg wet	165						
2,6-Dinitrotoluene	BRL		µg/kg wet	165						
Di-n-octyl phthalate	BRL		µg/kg wet	165						
Fluoranthene	BRL		µg/kg wet	165						
Fluorene	BRL		µg/kg wet	165						
Hexachlorobenzene	BRL		µg/kg wet	165						
Hexachlorobutadiene	BRL		µg/kg wet	165						
Hexachlorocyclopentadiene	BRL		µg/kg wet	165						
Hexachloroethane	BRL		µg/kg wet	165						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030129 - SW846 3550B										
Blank (8030129-BLK1)										
Prepared: 04-Mar-08 Analyzed: 05-Mar-08										
Indeno (1,2,3-cd) pyrene	BRL		µg/kg wet	165						
1-Methylnaphthalene	BRL		µg/kg wet	165						
Isophorone	BRL		µg/kg wet	165						
2-Methylnaphthalene	BRL		µg/kg wet	165						
2-Methylphenol	BRL		µg/kg wet	165						
3,4-Methylphenol	BRL		µg/kg wet	165						
Naphthalene	BRL		µg/kg wet	165						
2-Nitroaniline	BRL		µg/kg wet	165						
3-Nitroaniline	BRL		µg/kg wet	165						
4-Nitroaniline	BRL		µg/kg wet	660						
Nitrobenzene	BRL		µg/kg wet	165						
2-Nitrophenol	BRL		µg/kg wet	165						
4-Nitrophenol	BRL		µg/kg wet	660						
N-Nitrosodimethylamine	BRL		µg/kg wet	165						
N-Nitrosodi-n-propylamine	BRL		µg/kg wet	165						
N-Nitrosodiphenylamine	BRL		µg/kg wet	165						
Pentachlorophenol	BRL		µg/kg wet	165						
Phenanthrene	BRL		µg/kg wet	165						
Phenol	BRL		µg/kg wet	165						
Pyrene	BRL		µg/kg wet	165						
Pyridine	BRL		µg/kg wet	165						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	165						
2,4,5-Trichlorophenol	BRL		µg/kg wet	165						
2,4,6-Trichlorophenol	BRL		µg/kg wet	165						
Pentachloronitrobenzene	BRL		µg/kg wet	165						
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg wet	165						
Surrogate: 2-Fluorobiphenyl	*1080*		µg/kg wet		*1670*		*65*	*30-130*		
Surrogate: 2-Fluorophenol	*1120*		µg/kg wet		*1670*		*67*	*15-110*		
Surrogate: Nitrobenzene-d5	*927*		µg/kg wet		*1670*		*56*	*30-130*		
Surrogate: Phenol-d5	*873*		µg/kg wet		*1670*		*52*	*15-110*		
Surrogate: Terphenyl-d14	*1160*		µg/kg wet		*1670*		*69*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1260*		µg/kg wet		*1670*		*76*	*15-110*		
LCS (8030129-BS1)										
Prepared: 04-Mar-08 Analyzed: 05-Mar-08										
Acenaphthene	1170		µg/kg wet	165	1670		70	40-130		
Acenaphthylene	1310		µg/kg wet	165	1670		78	40-130		
Aniline	832		µg/kg wet	165	1670		50	40-130		
Anthracene	1300		µg/kg wet	165	1670		78	40-130		
Atrazine	1270		µg/kg wet	165	1670		76	40-130		
Azobenzene/Diphenyldiazine	1100		µg/kg wet	165	1670		66	40-130		
Benzidine	BRL		µg/kg wet	165	1670			0-153		
Benzo (a) anthracene	1330		µg/kg wet	165	1670		80	40-130		
Benzo (a) pyrene	1310		µg/kg wet	165	1670		79	40-130		
Benzo (b) fluoranthene	1210		µg/kg wet	165	1670		73	40-130		
Benzo (g,h,i) perylene	1180		µg/kg wet	165	1670		71	40-130		
Benzo (k) fluoranthene	1400		µg/kg wet	165	1670		84	40-130		
Benzoic acid	974		µg/kg wet	165	1670		58	0-130		
Benzyl alcohol	1190		µg/kg wet	165	1670		71	40-130		
Bis(2-chloroethoxy)methane	1150		µg/kg wet	165	1670		69	40-130		
Bis(2-chloroethyl)ether	1040		µg/kg wet	165	1670		63	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030129 - SW846 3550B										
LCS (8030129-BS1)										
Prepared: 04-Mar-08 Analyzed: 05-Mar-08										
Bis(2-chloroisopropyl)ether	1470		µg/kg wet	165	1670		88	40-130		
Bis(2-ethylhexyl)phthalate	1260		µg/kg wet	165	1670		76	40-130		
4-Bromophenyl phenyl ether	1360		µg/kg wet	165	1670		81	40-130		
Butyl benzyl phthalate	1230		µg/kg wet	165	1670		74	40-130		
Carbazole	1960		µg/kg wet	165	1670		117	40-130		
4-Chloro-3-methylphenol	1190		µg/kg wet	165	1670		71	40-130		
4-Chloroaniline	1110		µg/kg wet	165	1670		67	40-130		
2-Chloronaphthalene	1200		µg/kg wet	165	1670		72	40-130		
2-Chlorophenol	1170		µg/kg wet	165	1670		70	40-130		
4-Chlorophenyl phenyl ether	1390		µg/kg wet	165	1670		83	40-130		
Chrysene	1300		µg/kg wet	165	1670		78	40-130		
Dibenzo (a,h) anthracene	1230		µg/kg wet	165	1670		74	40-130		
Dibenzofuran	1270		µg/kg wet	165	1670		76	40-130		
1,2-Dichlorobenzene	1150		µg/kg wet	165	1670		69	40-130		
1,3-Dichlorobenzene	1140		µg/kg wet	165	1670		69	40-130		
1,4-Dichlorobenzene	1120		µg/kg wet	165	1670		67	40-130		
3,3'-Dichlorobenzidine	1780		µg/kg wet	165	1670		107	40-130		
2,4-Dichlorophenol	1250		µg/kg wet	165	1670		75	40-130		
Diethyl phthalate	1290		µg/kg wet	165	1670		77	40-130		
Dimethyl phthalate	1280		µg/kg wet	165	1670		77	40-130		
2,4-Dimethylphenol	1170		µg/kg wet	165	1670		70	40-130		
Di-n-butyl phthalate	1300		µg/kg wet	165	1670		78	40-130		
4,6-Dinitro-2-methylphenol	722		µg/kg wet	165	1670		43	40-130		
2,4-Dinitrophenol	633	QC2	µg/kg wet	165	1670		38	40-130		
2,4-Dinitrotoluene	1340		µg/kg wet	165	1670		80	40-130		
2,6-Dinitrotoluene	1300		µg/kg wet	165	1670		78	40-130		
Di-n-octyl phthalate	1270		µg/kg wet	165	1670		76	40-130		
Fluoranthene	1350		µg/kg wet	165	1670		81	40-130		
Fluorene	1340		µg/kg wet	165	1670		80	40-130		
Hexachlorobenzene	1310		µg/kg wet	165	1670		78	40-130		
Hexachlorobutadiene	1200		µg/kg wet	165	1670		72	40-130		
Hexachlorocyclopentadiene	817		µg/kg wet	165	1670		49	40-130		
Hexachloroethane	1030		µg/kg wet	165	1670		62	40-130		
Indeno (1,2,3-cd) pyrene	1200		µg/kg wet	165	1670		72	40-130		
Isophorone	1070		µg/kg wet	165	1670		64	40-130		
1-Methylnaphthalene	1230		µg/kg wet	165	1670		74	40-140		
2-Methylnaphthalene	1200		µg/kg wet	165	1670		72	40-130		
2-Methylphenol	1150		µg/kg wet	165	1670		69	40-130		
3,4-Methylphenol	1380		µg/kg wet	165	1670		83	40-130		
Naphthalene	1180		µg/kg wet	165	1670		71	40-130		
2-Nitroaniline	1270		µg/kg wet	165	1670		76	40-130		
3-Nitroaniline	1390		µg/kg wet	165	1670		83	40-130		
4-Nitroaniline	1620		µg/kg wet	660	1670		97	40-130		
Nitrobenzene	1030		µg/kg wet	165	1670		62	40-130		
2-Nitrophenol	1130		µg/kg wet	165	1670		68	40-130		
4-Nitrophenol	1220		µg/kg wet	660	1670		73	40-130		
N-Nitrosodimethylamine	1000		µg/kg wet	165	1670		60	40-130		
N-Nitrosodi-n-propylamine	1120		µg/kg wet	165	1670		67	40-130		
N-Nitrosodiphenylamine	1480		µg/kg wet	165	1670		89	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030129 - SW846 3550B										
LCS (8030129-BS1)										
Prepared: 04-Mar-08 Analyzed: 05-Mar-08										
Pentachlorophenol	1570		µg/kg wet	165	1670		94	40-130		
Phenanthrene	1300		µg/kg wet	165	1670		78	40-130		
Phenol	1140		µg/kg wet	165	1670		69	40-130		
Pyrene	1300		µg/kg wet	165	1670		78	40-130		
Pyridine	293		µg/kg wet	165	1670		18	0-60		
1,2,4-Trichlorobenzene	1180		µg/kg wet	165	1670		71	40-130		
2,4,5-Trichlorophenol	1270		µg/kg wet	165	1670		76	40-130		
2,4,6-Trichlorophenol	1290		µg/kg wet	165	1670		78	40-130		
Pentachloronitrobenzene	1240		µg/kg wet	165	1670		74	40-140		
1,2,4,5-Tetrachlorobenzene	1090		µg/kg wet	165	1670		65	40-140		
Surrogate: 2-Fluorobiphenyl	*1030*		µg/kg wet		*1670*		*62*	*30-130*		
Surrogate: 2-Fluorophenol	*972*		µg/kg wet		*1670*		*58*	*15-110*		
Surrogate: Nitrobenzene-d5	*864*		µg/kg wet		*1670*		*52*	*30-130*		
Surrogate: Phenol-d5	*771*		µg/kg wet		*1670*		*46*	*15-110*		
Surrogate: Terphenyl-d14	*1120*		µg/kg wet		*1670*		*67*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1260*		µg/kg wet		*1670*		*75*	*15-110*		
Duplicate (8030129-DUP1) **Source: SA75140-05**										
Prepared: 04-Mar-08 Analyzed: 05-Mar-08										
Acenaphthene	BRL		µg/kg dry	454		BRL				50
Acenaphthylene	BRL		µg/kg dry	454		BRL				50
Aniline	BRL		µg/kg dry	454		BRL				50
Anthracene	BRL		µg/kg dry	454		BRL				50
Atrazine	BRL		µg/kg dry	454		BRL				50
Azobenzene/Diphenyldiazine	BRL		µg/kg dry	454		BRL				50
Benzidine	BRL		µg/kg dry	454		BRL				50
Benzo (a) anthracene	119	J	µg/kg dry	454		102			15	50
Benzo (a) pyrene	106	J	µg/kg dry	454		85.5			21	50
Benzo (b) fluoranthene	113	J	µg/kg dry	454		93.0			19	50
Benzo (g,h,i) perylene	57.8	J	µg/kg dry	454		47.4			20	50
Benzo (k) fluoranthene	129	J	µg/kg dry	454		106			20	50
Benzoic acid	BRL		µg/kg dry	454		BRL				50
Benzyl alcohol	BRL		µg/kg dry	454		BRL				50
Bis(2-chloroethoxy)methane	BRL		µg/kg dry	454		BRL				50
Bis(2-chloroethyl)ether	BRL		µg/kg dry	454		BRL				50
Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	454		BRL				50
Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	454		BRL				50
4-Bromophenyl phenyl ether	BRL		µg/kg dry	454		BRL				50
Butyl benzyl phthalate	BRL		µg/kg dry	454		BRL				50
Carbazole	BRL		µg/kg dry	454		BRL				50
4-Chloro-3-methylphenol	BRL		µg/kg dry	454		BRL				50
4-Chloroaniline	BRL		µg/kg dry	454		BRL				50
2-Chloronaphthalene	BRL		µg/kg dry	454		BRL				50
2-Chlorophenol	BRL		µg/kg dry	454		BRL				50
4-Chlorophenyl phenyl ether	BRL		µg/kg dry	454		BRL				50
Chrysene	150	J	µg/kg dry	454		129			15	50
Dibenzo (a,h) anthracene	BRL		µg/kg dry	454		BRL				50
Dibenzofuran	BRL		µg/kg dry	454		BRL				50
1,2-Dichlorobenzene	BRL		µg/kg dry	454		BRL				50
1,3-Dichlorobenzene	BRL		µg/kg dry	454		BRL				50
1,4-Dichlorobenzene	BRL		µg/kg dry	454		BRL				50

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030129 - SW846 3550B										
Duplicate (8030129-DUP1) **Source: SA75140-05**										
Prepared: 04-Mar-08 Analyzed: 05-Mar-08										
3,3'-Dichlorobenzidine	BRL		µg/kg dry	454		BRL				50
2,4-Dichlorophenol	BRL		µg/kg dry	454		BRL				50
Diethyl phthalate	BRL		µg/kg dry	454		BRL				50
Dimethyl phthalate	BRL		µg/kg dry	454		BRL				50
2,4-Dimethylphenol	BRL		µg/kg dry	454		BRL				50
Di-n-butyl phthalate	BRL		µg/kg dry	454		BRL				50
4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	454		BRL				50
2,4-Dinitrophenol	BRL		µg/kg dry	454		BRL				50
2,4-Dinitrotoluene	BRL		µg/kg dry	454		BRL				50
2,6-Dinitrotoluene	BRL		µg/kg dry	454		BRL				50
Di-n-octyl phthalate	BRL		µg/kg dry	454		BRL				50
Fluoranthene	273	J	µg/kg dry	454		224			20	50
Fluorene	BRL		µg/kg dry	454		BRL				50
Hexachlorobenzene	BRL		µg/kg dry	454		BRL				50
Hexachlorobutadiene	BRL		µg/kg dry	454		BRL				50
Hexachlorocyclopentadiene	BRL		µg/kg dry	454		BRL				50
Hexachloroethane	BRL		µg/kg dry	454		BRL				50
Indeno (1,2,3-cd) pyrene	66.1	J	µg/kg dry	454		54.8			19	50
1-Methylnaphthalene	BRL		µg/kg dry	454		BRL				50
Isophorone	BRL		µg/kg dry	454		BRL				50
2-Methylnaphthalene	BRL		µg/kg dry	454		BRL				50
2-Methylphenol	BRL		µg/kg dry	454		BRL				50
3,4-Methylphenol	BRL		µg/kg dry	454		BRL				50
Naphthalene	BRL		µg/kg dry	454		BRL				50
2-Nitroaniline	BRL		µg/kg dry	454		BRL				50
3-Nitroaniline	BRL		µg/kg dry	454		BRL				50
4-Nitroaniline	BRL		µg/kg dry	1820		BRL				50
Nitrobenzene	BRL		µg/kg dry	454		BRL				50
2-Nitrophenol	BRL		µg/kg dry	454		BRL				50
4-Nitrophenol	BRL		µg/kg dry	1820		BRL				50
N-Nitrosodimethylamine	BRL		µg/kg dry	454		BRL				50
N-Nitrosodi-n-propylamine	BRL		µg/kg dry	454		BRL				50
N-Nitrosodiphenylamine	BRL		µg/kg dry	454		BRL				50
Pentachlorophenol	BRL		µg/kg dry	454		BRL				50
Phenanthrene	107	J	µg/kg dry	454		92.0			15	50
Phenol	BRL		µg/kg dry	454		BRL				50
Pyrene	205	J	µg/kg dry	454		163			23	50
Pyridine	BRL		µg/kg dry	454		BRL				50
1,2,4-Trichlorobenzene	BRL		µg/kg dry	454		BRL				50
2,4,5-Trichlorophenol	BRL		µg/kg dry	454		BRL				50
2,4,6-Trichlorophenol	BRL		µg/kg dry	454		BRL				50
Pentachloronitrobenzene	BRL		µg/kg dry	454		BRL				50
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	454		BRL				50
Surrogate: 2-Fluorobiphenyl	*1700*		µg/kg dry		*2300*		*74*	*30-130*		
Surrogate: 2-Fluorophenol	*1750*		µg/kg dry		*2300*		*76*	*15-110*		
Surrogate: Nitrobenzene-d5	*1400*		µg/kg dry		*2300*		*61*	*30-130*		
Surrogate: Phenol-d5	*1360*		µg/kg dry		*2300*		*59*	*15-110*		
Surrogate: Terphenyl-d14	*1820*		µg/kg dry		*2300*		*79*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1970*		µg/kg dry		*2300*		*86*	*15-110*		
Matrix Spike (8030129-MS1) **Source: SA75140-05**										

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030129 - SW846 3550B										
Prepared: 04-Mar-08 Analyzed: 05-Mar-08										
Acenaphthene	1370		µg/kg dry	228	2300	BRL	60	40-140		
Benzo (b) fluoranthene	1560		µg/kg dry	228	2300	93.0	64	40-140		
Benzo (k) fluoranthene	1630		µg/kg dry	228	2300	106	66	40-140		
4-Chloro-3-methylphenol	1430		µg/kg dry	228	2300	BRL	62	30-130		
2-Chlorophenol	1350		µg/kg dry	228	2300	BRL	59	30-130		
Chrysene	1620		µg/kg dry	228	2300	129	65	40-140		
1,4-Dichlorobenzene	1300		µg/kg dry	228	2300	BRL	57	40-140		
Indeno (1,2,3-cd) pyrene	1490		µg/kg dry	228	2300	54.8	62	40-140		
Naphthalene	1370		µg/kg dry	228	2300	BRL	59	40-140		
4-Nitrophenol	1420		µg/kg dry	912	2300	BRL	62	30-130		
N-Nitrosodi-n-propylamine	1300		µg/kg dry	228	2300	BRL	56	40-140		
Pentachlorophenol	1900		µg/kg dry	228	2300	BRL	82	30-130		
Phenol	1330		µg/kg dry	228	2300	BRL	58	30-130		
Pyrene	1660		µg/kg dry	228	2300	163	65	40-140		
1,2,4-Trichlorobenzene	1370		µg/kg dry	228	2300	BRL	59	40-140		
Surrogate: 2-Fluorobiphenyl	*1230*		µg/kg dry		*2300*		*54*	*30-130*		
Surrogate: 2-Fluorophenol	*1160*		µg/kg dry		*2300*		*51*	*15-110*		
Surrogate: Nitrobenzene-d5	*1040*		µg/kg dry		*2300*		*45*	*30-130*		
Surrogate: Phenol-d5	*923*		µg/kg dry		*2300*		*40*	*15-110*		
Surrogate: Terphenyl-dl4	*1370*		µg/kg dry		*2300*		*59*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1540*		µg/kg dry		*2300*		*67*	*15-110*		
Matrix Spike Dup (8030129-MSD1) **Source: SA75140-05**										
Prepared: 04-Mar-08 Analyzed: 05-Mar-08										
Acenaphthene	1360		µg/kg dry	228	2310	BRL	59	40-140	0.8	30
Benzo (b) fluoranthene	1510		µg/kg dry	228	2310	93.0	61	40-140	3	30
Benzo (k) fluoranthene	1720		µg/kg dry	228	2310	106	70	40-140	6	30
4-Chloro-3-methylphenol	1390		µg/kg dry	228	2310	BRL	60	30-130	3	30
2-Chlorophenol	1340		µg/kg dry	228	2310	BRL	58	30-130	1	30
Chrysene	1650		µg/kg dry	228	2310	129	66	40-140	2	30
1,4-Dichlorobenzene	1280		µg/kg dry	228	2310	BRL	55	40-140	2	30
Indeno (1,2,3-cd) pyrene	1430		µg/kg dry	228	2310	54.8	60	40-140	5	30
Naphthalene	1350		µg/kg dry	228	2310	BRL	59	40-140	1	30
4-Nitrophenol	1580		µg/kg dry	913	2310	BRL	69	30-130	10	30
N-Nitrosodi-n-propylamine	1280		µg/kg dry	228	2310	BRL	56	40-140	1	30
Pentachlorophenol	1900		µg/kg dry	228	2310	BRL	82	30-130	0.05	30
Phenol	1310		µg/kg dry	228	2310	BRL	57	30-130	2	30
Pyrene	1680		µg/kg dry	228	2310	163	66	40-140	1	30
1,2,4-Trichlorobenzene	1330		µg/kg dry	228	2310	BRL	58	40-140	3	30
Surrogate: 2-Fluorobiphenyl	*1150*		µg/kg dry		*2310*		*50*	*30-130*		
Surrogate: 2-Fluorophenol	*1090*		µg/kg dry		*2310*		*47*	*15-110*		
Surrogate: Nitrobenzene-d5	*973*		µg/kg dry		*2310*		*42*	*30-130*		
Surrogate: Phenol-d5	*867*		µg/kg dry		*2310*		*38*	*15-110*		
Surrogate: Terphenyl-dl4	*1300*		µg/kg dry		*2310*		*56*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1450*		µg/kg dry		*2310*		*63*	*15-110*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030128 - SW846 3550B										
Blank (8030128-BLK1)										
Prepared: 04-Mar-08 Analyzed: 05-Mar-08										
2,4,5-T	BRL		µg/kg wet	6.70						
2,4,5-T [2C]	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex)	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex) [2C]	BRL		µg/kg wet	6.70						
2,4-D	BRL		µg/kg wet	6.70						
2,4-D [2C]	BRL		µg/kg wet	6.70						
2,4-DB	BRL		µg/kg wet	6.70						
2,4-DB [2C]	BRL		µg/kg wet	6.70						
Dalapon	BRL		µg/kg wet	6.70						
Dalapon [2C]	BRL		µg/kg wet	6.70						
Dicamba	BRL		µg/kg wet	6.70						
Dicamba [2C]	BRL		µg/kg wet	6.70						
Dichlorprop	BRL		µg/kg wet	6.70						
Dichlorprop [2C]	BRL		µg/kg wet	6.70						
Dinoseb	BRL		µg/kg wet	6.70						
Dinoseb [2C]	BRL		µg/kg wet	6.70						
MCPA	BRL		µg/kg wet	670						
MCPA [2C]	BRL		µg/kg wet	670						
MCPB	BRL		µg/kg wet	670						
MCPB [2C]	BRL		µg/kg wet	670						
MCPP	BRL		µg/kg wet	670						
MCPP [2C]	BRL		µg/kg wet	670						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*BRL*		µg/kg wet		*13.3*		*37*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*BRL*		µg/kg wet		*13.3*		*36*	*30-150*		
LCS (8030128-BS1)										
Prepared: 04-Mar-08 Analyzed: 05-Mar-08										
2,4,5-T	20.3		µg/kg wet	6.70	33.3		61	40-140		
2,4,5-T [2C]	20.3		µg/kg wet	6.70	33.3		61	40-140		
2,4,5-TP (Silvex)	20.6		µg/kg wet	6.70	33.3		62	40-140		
2,4,5-TP (Silvex) [2C]	20.9		µg/kg wet	6.70	33.3		63	40-140		
2,4-D	20.1		µg/kg wet	6.70	33.3		60	40-140		
2,4-D [2C]	17.3		µg/kg wet	6.70	33.3		52	40-140		
2,4-DB	20.5		µg/kg wet	6.70	33.3		61	40-140		
2,4-DB [2C]	18.7		µg/kg wet	6.70	33.3		56	40-140		
Dalapon	17.3		µg/kg wet	6.70	33.3		52	40-140		
Dalapon [2C]	20.5		µg/kg wet	6.70	33.3		62	40-140		
Dicamba	20.5		µg/kg wet	6.70	33.3		61	40-140		
Dicamba [2C]	20.3		µg/kg wet	6.70	33.3		61	40-140		
Dichlorprop	20.3		µg/kg wet	6.70	33.3		61	40-140		
Dichlorprop [2C]	20.1		µg/kg wet	6.70	33.3		60	40-140		
Dinoseb	21.3		µg/kg wet	6.70	33.3		64	40-140		
Dinoseb [2C]	21.1		µg/kg wet	6.70	33.3		63	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*5.87*		µg/kg wet		*13.3*		*44*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*6.20*		µg/kg wet		*13.3*		*47*	*30-150*		
LCS (8030128-BS2)										
Prepared: 04-Mar-08 Analyzed: 05-Mar-08										
MCPA	6270		µg/kg wet	670	10000		63	40-140		
MCPA [2C]	6530		µg/kg wet	670	10000		65	40-140		
MCPB	6600		µg/kg wet	670	10000		66	40-140		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030128 - SW846 3550B										
LCS (8030128-BS2)										
Prepared: 04-Mar-08 Analyzed: 05-Mar-08										
MCPB [2C]	7130		µg/kg wet	670	10000		71	40-140		
MCPP	5870		µg/kg wet	670	10000		59	40-140		
MCPP [2C]	6070		µg/kg wet	670	10000		61	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*5.80*		µg/kg wet		*13.3*		*44*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*6.27*		µg/kg wet		*13.3*		*47*	*30-150*		
LCS Dup (8030128-BSD1)										
Prepared: 04-Mar-08 Analyzed: 05-Mar-08										
2,4,5-T	19.0		µg/kg wet	6.70	33.3		57	40-140	6	25
2,4,5-T [2C]	20.1		µg/kg wet	6.70	33.3		60	40-140	1	25
2,4,5-TP (Silvex)	20.7		µg/kg wet	6.70	33.3		62	40-140	0.3	25
2,4,5-TP (Silvex) [2C]	20.7		µg/kg wet	6.70	33.3		62	40-140	1	25
2,4-D	19.9		µg/kg wet	6.70	33.3		60	40-140	1	25
2,4-D [2C]	16.9		µg/kg wet	6.70	33.3		51	40-140	2	25
2,4-DB	19.9		µg/kg wet	6.70	33.3		60	40-140	3	25
2,4-DB [2C]	18.8		µg/kg wet	6.70	33.3		56	40-140	0.7	25
Dalapon	17.5		µg/kg wet	6.70	33.3		53	40-140	1	25
Dalapon [2C]	20.5		µg/kg wet	6.70	33.3		61	40-140	0.3	25
Dicamba	20.1		µg/kg wet	6.70	33.3		60	40-140	2	25
Dicamba [2C]	19.7		µg/kg wet	6.70	33.3		59	40-140	3	25
Dichlorprop	19.5		µg/kg wet	6.70	33.3		59	40-140	4	25
Dichlorprop [2C]	20.0		µg/kg wet	6.70	33.3		60	40-140	0.7	25
Dinoseb	21.3		µg/kg wet	6.70	33.3		64	40-140	0	25
Dinoseb [2C]	21.3		µg/kg wet	6.70	33.3		64	40-140	0.9	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*5.73*		µg/kg wet		*13.3*		*43*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*6.00*		µg/kg wet		*13.3*		*45*	*30-150*		
LCS Dup (8030128-BSD2)										
Prepared: 04-Mar-08 Analyzed: 05-Mar-08										
MCPA	5800		µg/kg wet	670	10000		58	40-140	8	25
MCPA [2C]	6400		µg/kg wet	670	10000		64	40-140	2	25
MCPB	6730		µg/kg wet	670	10000		67	40-140	2	25
MCPB [2C]	7000		µg/kg wet	670	10000		70	40-140	2	25
MCPP	6000		µg/kg wet	670	10000		60	40-140	2	25
MCPP [2C]	6330		µg/kg wet	670	10000		63	40-140	4	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*5.67*		µg/kg wet		*13.3*		*43*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*6.47*		µg/kg wet		*13.3*		*49*	*30-150*		
Duplicate (8030128-DUP1) **Source: SA75135-01**										
Prepared: 04-Mar-08 Analyzed: 05-Mar-08										
2,4,5-T	BRL		µg/kg dry	6.70		BRL				30
2,4,5-T [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex) [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-D	BRL		µg/kg dry	6.70		BRL				30
2,4-D [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-DB	BRL		µg/kg dry	6.70		BRL				30
2,4-DB [2C]	BRL		µg/kg dry	6.70		BRL				30
Dalapon	BRL		µg/kg dry	6.70		BRL				30
Dalapon [2C]	BRL		µg/kg dry	6.70		BRL				30
Dicamba	BRL		µg/kg dry	6.70		BRL				30
Dicamba [2C]	BRL		µg/kg dry	6.70		BRL				30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030128 - SW846 3550B										
Duplicate (8030128-DUP1) Source: SA75135-01										
Prepared: 04-Mar-08 Analyzed: 05-Mar-08										
Dichlorprop	BRL		µg/kg dry	6.70		BRL				30
Dichlorprop [2C]	BRL		µg/kg dry	6.70		BRL				30
Dinoseb	BRL		µg/kg dry	6.70		BRL				30
Dinoseb [2C]	BRL		µg/kg dry	6.70		BRL				30
MCPA	BRL		µg/kg dry	670		BRL				30
MCPA [2C]	BRL		µg/kg dry	670		BRL				30
MCPB	BRL		µg/kg dry	670		BRL				30
MCPB [2C]	BRL		µg/kg dry	670		BRL				30
MCPP	BRL		µg/kg dry	670		BRL				30
MCPP [2C]	BRL		µg/kg dry	670		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*5.80*		µg/kg dry		*14.3*		*40*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*5.37*		µg/kg dry		*14.3*		*38*	*30-150*		
Batch 8030131 - SW846 3545A										
Blank (8030131-BLK1)										
Prepared & Analyzed: 04-Mar-08										
PCB 1016	BRL		µg/kg wet	20.0						
PCB 1221	BRL		µg/kg wet	20.0						
PCB 1232	BRL		µg/kg wet	20.0						
PCB 1242	BRL		µg/kg wet	20.0						
PCB 1248	BRL		µg/kg wet	20.0						
PCB 1254	BRL		µg/kg wet	20.0						
PCB 1260	BRL		µg/kg wet	20.0						
PCB 1262	BRL		µg/kg wet	20.0						
PCB 1268	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.9*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl(Sr)	*17.4*		µg/kg wet		*20.0*		*87*	*30-150*		
LCS (8030131-BS1)										
Prepared & Analyzed: 04-Mar-08										
PCB 1016	233		µg/kg wet	20.0				40-140		
PCB 1260	237		µg/kg wet	20.0				40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.0*		µg/kg wet		*20.0*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl(Sr)	*17.2*		µg/kg wet		*20.0*		*86*	*30-150*		
LCS Dup (8030131-BSD1)										
Prepared & Analyzed: 04-Mar-08										
PCB 1016	241		µg/kg wet	20.0				40-140		30
PCB 1260	235		µg/kg wet	20.0				40-140		30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.5*		µg/kg wet		*20.0*		*78*	*30-150*		
Surrogate: Decachlorobiphenyl(Sr)	*17.3*		µg/kg wet		*20.0*		*86*	*30-150*		
Duplicate (8030131-DUP1) Source: SA75140-01										
Prepared & Analyzed: 04-Mar-08										
PCB 1016	BRL		µg/kg dry	21.6		BRL				40
PCB 1221	BRL		µg/kg dry	21.6		BRL				40
PCB 1232	BRL		µg/kg dry	21.6		BRL				40
PCB 1242	BRL		µg/kg dry	21.6		BRL				40
PCB 1248	BRL		µg/kg dry	21.6		BRL				40
PCB 1254	BRL		µg/kg dry	21.6		BRL				40
PCB 1260	BRL		µg/kg dry	21.6		BRL				40
PCB 1262	BRL		µg/kg dry	21.6		BRL				40
PCB 1268	BRL		µg/kg dry	21.6		BRL				40

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030131 - SW846 3545A										
Duplicate (8030131-DUP1) Source: SA75140-01										
Prepared & Analyzed: 04-Mar-08										
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.3*		µg/kg dry		*21.6*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl(Sr)	*20.8*		µg/kg dry		*21.6*		*97*	*30-150*		
Matrix Spike (8030131-MS1) Source: SA75140-01										
Prepared & Analyzed: 04-Mar-08										
PCB 1016	245		µg/kg dry	20.8		BRL		40-140		
PCB 1260	258		µg/kg dry	20.8		BRL		40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.6*		µg/kg dry		*20.8*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl(Sr)	*25.0*		µg/kg dry		*20.8*		*120*	*30-150*		
Matrix Spike Dup (8030131-MSD1) Source: SA75140-01										
Prepared & Analyzed: 04-Mar-08										
PCB 1016	232		µg/kg dry	21.3		BRL		40-140		50
PCB 1260	238		µg/kg dry	21.3		BRL		40-140		50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.0*		µg/kg dry		*21.2*		*71*	*30-150*		
Surrogate: Decachlorobiphenyl(Sr)	*24.0*		µg/kg dry		*21.2*		*113*	*30-150*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030125 - SW846 3550B										
Blank (8030125-BLK1)										
Prepared: 04-Mar-08 Analyzed: 05-Mar-08										
Gasoline	BRL		mg/kg wet	13.3						
Fuel Oil #2	BRL		mg/kg wet	13.3						
Fuel Oil #4	BRL		mg/kg wet	13.3						
Fuel Oil #6	BRL		mg/kg wet	13.3						
Motor Oil	BRL		mg/kg wet	13.3						
Aviation Fuel	BRL		mg/kg wet	13.3						
Unidentified	BRL		mg/kg wet	13.3						
Other Oil	BRL		mg/kg wet	13.3						
Total Petroleum Hydrocarbons	BRL		mg/kg wet	13.3						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*BRL*		mg/kg wet		*3.33*		*63*	*50-150*		
LCS (8030125-BS1)										
Prepared: 04-Mar-08 Analyzed: 05-Mar-08										
C9-C36 Aliphatic Hydrocarbons	71.3		mg/kg wet	13.3	93.3		76	60-120		
Surrogate: 1-Chlorooctadecane	*BRL*		mg/kg wet		*3.33*		*68*	*50-150*		
Duplicate (8030125-DUP1) Source: SA75140-05										
Prepared: 04-Mar-08 Analyzed: 05-Mar-08										
Gasoline	BRL		mg/kg dry	18.3		BRL				50
Fuel Oil #2	BRL		mg/kg dry	18.3		BRL				50
Fuel Oil #4	BRL		mg/kg dry	18.3		BRL				50
Fuel Oil #6	BRL		mg/kg dry	18.3		BRL				50
Motor Oil	BRL		mg/kg dry	18.3		BRL				50
Aviation Fuel	BRL		mg/kg dry	18.3		BRL				50
Unidentified	44.2		mg/kg dry	18.3		26.9			49	50
Other Oil	Calculated as		mg/kg dry	18.3		alculated as				50
Total Petroleum Hydrocarbons	44.2		mg/kg dry	18.3		26.9			49	50
C9-C36 Aliphatic Hydrocarbons	44.2		mg/kg dry	18.3		26.9			49	50
Surrogate: 1-Chlorooctadecane	*BRL*		mg/kg dry		*2.30*		*75*	*50-150*		
Matrix Spike (8030125-MS1) Source: SA75140-05										
Prepared: 04-Mar-08 Analyzed: 05-Mar-08										
C9-C36 Aliphatic Hydrocarbons	72.6		mg/kg dry	9.1	63.9	26.9	72	50-150		
Surrogate: 1-Chlorooctadecane	*1.85*		mg/kg dry		*2.28*		*81*	*50-150*		
Matrix Spike Dup (8030125-MSD1) Source: SA75140-05										
Prepared: 04-Mar-08 Analyzed: 05-Mar-08										
C9-C36 Aliphatic Hydrocarbons	74.2		mg/kg dry	9.2	64.3	26.9	74	50-150	3	30
Surrogate: 1-Chlorooctadecane	*1.84*		mg/kg dry		*2.30*		*80*	*50-150*		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030136 - SW846 3050B										
Blank (8030136-BLK1)										
Prepared: 04-Mar-08 Analyzed: 05-Mar-08										
Lead	BRL		mg/kg wet	1.26						
Selenium	BRL		mg/kg wet	1.26						
Cadmium	BRL		mg/kg wet	0.420						
Arsenic	BRL		mg/kg wet	1.26						
Silver	BRL		mg/kg wet	1.26						
Chromium	BRL		mg/kg wet	0.839						
Barium	BRL		mg/kg wet	0.839						
Duplicate (8030136-DUP1) Source: SA75140-06										
Prepared: 04-Mar-08 Analyzed: 05-Mar-08										
Lead	41.7		mg/kg dry	1.73		43.1			3	20
Selenium	1.48	J	mg/kg dry	1.73		1.61			8	20
Arsenic	2.61	QR6	mg/kg dry	1.73		2.02			25	20
Chromium	11.8	QR6	mg/kg dry	1.15		15.0			24	20
Cadmium	0.604		mg/kg dry	0.575		0.625			3	20
Silver	0.644	J,QR8	mg/kg dry	1.73		0.962			40	20
Barium	28.1		mg/kg dry	1.15		27.7			1	20
Matrix Spike (8030136-MS1) Source: SA75140-01										
Prepared: 04-Mar-08 Analyzed: 06-Mar-08										
Selenium	127		mg/kg dry	1.48	123	0.966	102	75-125		
Lead	318	QM8	mg/kg dry	1.48	123	248	57	75-125		
Chromium	138		mg/kg dry	0.987	123	15.8	99	75-125		
Cadmium	127		mg/kg dry	0.494	123	0.596	103	75-125		
Arsenic	130		mg/kg dry	1.48	123	3.02	103	75-125		
Silver	129		mg/kg dry	1.48	123	0.386	104	75-125		
Barium	178		mg/kg dry	0.987	123	69.0	89	75-125		
Matrix Spike Dup (8030136-MSD1) Source: SA75140-01										
Prepared: 04-Mar-08 Analyzed: 06-Mar-08										
Selenium	120		mg/kg dry	1.42	119	0.966	100	75-125	6	35
Lead	359		mg/kg dry	1.42	119	248	94	75-125	12	35
Arsenic	124		mg/kg dry	1.42	119	3.02	102	75-125	5	35
Silver	124		mg/kg dry	1.42	119	0.386	104	75-125	4	35
Cadmium	121		mg/kg dry	0.474	119	0.596	102	75-125	5	35
Chromium	134		mg/kg dry	0.949	119	15.8	99	75-125	3	35
Barium	178		mg/kg dry	0.949	119	69.0	92	75-125	0.005	35
Post Spike (8030136-PS1) Source: SA75140-01										
Prepared: 04-Mar-08 Analyzed: 06-Mar-08										
Selenium	126		mg/kg dry	1.50	125	0.966	100	80-120		
Lead	369		mg/kg dry	1.50	125	248	96	80-120		
Cadmium	128		mg/kg dry	0.501	125	0.596	101	80-120		
Chromium	142		mg/kg dry	1.00	125	15.8	101	80-120		
Silver	129		mg/kg dry	1.50	125	0.386	103	80-120		
Arsenic	131		mg/kg dry	1.50	125	3.02	103	80-120		
Barium	172		mg/kg dry	1.00	125	69.0	83	80-120		
Reference (8030136-SRM1)										
Prepared: 04-Mar-08 Analyzed: 05-Mar-08										
Lead	92.9		mg/kg wet	1.50	84.2		110	81.5-118.5		
Selenium	48.7		mg/kg wet	1.50	47.2		103	76.8-123.3		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030136 - SW846 3050B										
Reference (8030136-SRM1)										
Prepared: 04-Mar-08 Analyzed: 05-Mar-08										
Cadmium	52.8		mg/kg wet	0.500	51.6		102	82.8-116.5		
Arsenic	68.8		mg/kg wet	1.50	66.7		103	80.5-120.3		
Chromium	114		mg/kg wet	1.00	110		104	81.7-117.8		
Silver	45.2		mg/kg wet	1.50	40.7		111	66.3-133		
Barium	114		mg/kg wet	1.00	113		101	81.4-118.6		
Reference (8030136-SRM2)										
Prepared: 04-Mar-08 Analyzed: 06-Mar-08										
Selenium	49.1		mg/kg wet	1.50	47.3		104	76.8-123.3		
Lead	90.8		mg/kg wet	1.50	84.4		108	81.5-118.5		
Arsenic	69.3		mg/kg wet	1.50	66.8		104	80.5-120.3		
Chromium	115		mg/kg wet	1.00	110		105	81.7-117.8		
Cadmium	54.2		mg/kg wet	0.500	51.7		105	82.8-116.5		
Silver	42.9		mg/kg wet	1.50	40.8		105	66.3-133		
Barium	112		mg/kg wet	1.00	114		99	81.4-118.6		
Batch 8030137 - EPA200/SW7000 Series										
Blank (8030137-BLK1)										
Prepared: 04-Mar-08 Analyzed: 05-Mar-08										
Mercury	BRL		mg/kg wet	0.0269						
Duplicate (8030137-DUP1) Source: SA75140-06										
Prepared: 04-Mar-08 Analyzed: 05-Mar-08										
Mercury	0.0495	QR8	mg/kg dry	0.0360		0.0358			32	20
Matrix Spike (8030137-MS1) Source: SA75140-01										
Prepared: 04-Mar-08 Analyzed: 05-Mar-08										
Mercury	0.652		mg/kg dry	0.0293	0.407	0.180	116	75-125		
Matrix Spike Dup (8030137-MSD1) Source: SA75140-01										
Prepared: 04-Mar-08 Analyzed: 05-Mar-08										
Mercury	0.597		mg/kg dry	0.0302	0.420	0.180	99	75-125	9	35
Post Spike (8030137-PS1) Source: SA75140-01										
Prepared: 04-Mar-08 Analyzed: 05-Mar-08										
Mercury	0.671		mg/kg dry	0.0309	0.429	0.180	114	85-115		
Reference (8030137-SRM1)										
Prepared: 04-Mar-08 Analyzed: 05-Mar-08										
Mercury	1.73		mg/kg wet	0.0300	1.56		111	71.2-128.7		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030151 - General Preparation										
Duplicate (8030151-DUP1) Source: SA75140-01										
Prepared & Analyzed: 04-Mar-08										
% Solids	91.8		%			90.3			2	20

Notes and Definitions

QC1	Analyte out of acceptance range.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample
QM8	The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and/or LCS recovery.
QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data
QR6	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.
QR8	Analyses are not controlled on RPD values from sample concentrations that are less than5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC

Interpretation of Total Petroleum Hydrocarbon Report

Petroleum identification is determined by comparing the GC fingerprint obtained from the sample with a library of GC fingerprints obtained from analyses of various petroleum products Possible match categories are as follows:

Gasoline - includes regular, unleaded, premium, etc.
Fuel Oil #2 - includes home heating oil, #2 fuel oil, and diesel
Fuel Oil #4 - includes #4 fuel oil
Fuel Oil #6 - includes #6 fuel oil and bunker "C" oil
Motor Oil - includes virgin, waste automobile oil and hydraulic oil
Ligroin - includes mineral spirits, petroleum naphtha, vm&p naphtha
Aviation Fuel - includes kerosene, Jet A and JP-4
Other Oil - includes lubricating and cutting oil, and silicon oil

At times, the unidentified petroleum product is quantified using a calibration that most closely approximates the distribution of compounds in the sample. When this occurs, the result is qualified as *TPH (Calculated as).

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure The method blank is used to document contamination resulting from the analytical process

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc. - Agawam, MA

Client: Tetra Tech Rizzo - Hartford, CT

Project Location: Bridge #08277R-Naugatuck, CT

Project Number: 127-17797-08008

Sampling Date(s):
28-Feb-08

Laboratory Sample ID(s):
SA75140-01 through SA75140-06

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	☑ Yes ☐ No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (4° C ± 2°)?	☑ Yes ☐ No
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5	a) Were reporting limits specified or referenced on the chain-of-custody? * b) Were these reporting limits met? * *Exceptions are defined by qualifiers*	☑ Yes ☐ No ☑ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☑ Yes ☐ No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1 is "No", the data package does not meet the requirements for "Reasonable Confidence."

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for obtaining the information contained in this analytical report, such information is accurate and complete.

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Date: 3/14/2008

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

S07 75140

Special Handling:
- ☒ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Tetra Tech Rizzo
150 Trumbull St.
Hartford, CT 06103

Project Mgr.: David Brassard

Invoice To: DAS Contract

P.O. No.: _____ RQN: _____

Project No.: 127-17797-03008
Site Name: Bridge #08277R
Location: Naugatuck State: CT
Sampler(s): Adam L. Stannard

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9= DI 10= _____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		CT ETPH	VOCs 8260	SVOCs 8270	PCBs 8080	Herbicides 8151	Total RCRA 8 Metals	
75140-01	B-3(1-3')	2/28/08		G	SO	7.9	3	2				X	X	X	X	X	X	
-02	B-3(5-7')																	
-03	B-4 (1-3)											X	X	X	X	X	X	
-04	B-4 (5-12)																	
-05	TP-3(1.5-2')											X	X	X	X	X	X	
-06	TP-4(1.5-2')											X	X	X	X	X	X	

Containers: # of VOA Vials, # of Amber Glass, # of Clear Glass, # of Plastic

Analyses: CT ETPH, VOCs 8260, SVOCs 8270, PCBs 8080, Herbicides 8151, Total RCRA 8 Metals

QA Reporting Notes: (check if needed)
- ☐ Provide MA DEP MCP CAM Report
- ☒ Provide CT DEP RCP Report

QA/QC Reporting Level
☒ Standard ☐ No QC
☐ Other _____

State specific reporting standards: CT

Please hold addt'l samples, pending further analyses

See attached

☐ Fax results when available to (____) _____
☒ E-mail to DAVID.BRASSARD@Tetratech.com ADAM.STANNARD@Tetratech.com
EDD Format _____

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 31

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	2-29-08	1425
[signature]	[signature]	2/29/08	1545

Report Date:
13-Mar-08 17:13

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Tetra Tech Rizzo
150 Trumbull Street, 4th Floor
Hartford, CT 06103-2428
Attn: David Brassard

Project: Bridge #08283R-Naugatuck, CT
Project 127-17797-08008

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA75063-01	B-5 (0-2')	Soil	27-Feb-08 08:15	28-Feb-08 16:15
SA75063-03	B-6 (0-2')	Soil	27-Feb-08 11:30	28-Feb-08 16:15
SA75063-05	TP-5 (1-1.5')	Soil	27-Feb-08 09:00	28-Feb-08 16:15
SA75063-06	TP-6 (1-3')	Soil	27-Feb-08 08:20	28-Feb-08 16:15

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met
Please note that this report contains 46 pages of analytical data plus Chain of Custody document(s).
This report may not be reproduced, except in full, without written approval from Spectrum Analytical Inc.

Massachusetts Certification # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

ACCREDITED IN ACCORDANCE WITH nelac

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Technical Reviewer's Initial: VC

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

CASE NARRATIVE:

The samples were received @ 3.7 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt An infrared thermometer with a tolerance of+/- 2.0 degrees Celsius was used immediately upon receipt of the samples Temperatures exceeding the +/- 2.0 degrees Celsius may affect sample results as stated in each specific method samples collected for air analysis should be collected and submitted at ambient temperature.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol(RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "BRL" (Below the Reporting Limit) in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

According to CTDEP RCP Quality Assurance and Quality Control Requirements for VOCs by method8260, SW-846 version 1, 7/28/05 Table 1A, recovery for some VOC analytes have been deemed potentially difficult Although they may still be within the recommended 70%-130% recovery range, a range has been set based on historical control limits.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW 846 8260B

Laboratory Control Samples:

8030027-BSD1

Analyte out of acceptance range.

2-Hexanone (MBK)

Samples:

SA75063-05 *TP-5 (1-1.5')*

The VOC field preserved soil sample is not within the 1:1 weight to volume ratio as recommended by SW846 methods 5030 and 5035 but may be within the 1:1 volume to volume ratio. This variance may affect the final reporting limit

SW846 1312/6010B

Duplicates:

8030483-DUP1 *Source: SA75063-01*

Analyses are not controlled on RPD values from sample concentrations that are less than5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit

Lead

SW846 6010B

SW846 6010B

Duplicates:

8021951-DUP1 *Source: SA75055-02*

Analyses are not controlled on RPD values from sample concentrations that are less than5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit

Arsenic
Cadmium

SW846 8151A

Laboratory Control Samples:

8030016-BS1

The response for the confirmation column was out of acceptance limits The primary column was used for all data Samples were BDL.

2,4-D [2C]

8030016-BSD1

The response for the confirmation column was out of acceptance limits The primary column was used for all data Samples were BDL.

2,4-D [2C]

Duplicates:

8030016-DUP1 *Source: SA75063-06*

The response for the confirmation column was out of acceptance limits The primary column was used for all data Samples were BDL.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SW846 8151A

Samples:

S802616-CCV1

The response for the confirmation column was out of acceptance limits The primary column was used for all data Samples were BDL.

2,4-D [2C]

S802616-CCV2

The response for the confirmation column was out of acceptance limits The primary column was used for all data Samples were BDL.

MCPA [2C]
MCPB [2C]

S802616-CCV3

The response for the confirmation column was out of acceptance limits The primary column was used for all data Samples were BDL.

2,4-D [2C]

S802616-CCV4

The response for the confirmation column was out of acceptance limits The primary column was used for all data Samples were BDL.

MCPB [2C]

SA75063-06 *TP-6 (1-3')*

The response for the confirmation column was out of acceptance limits The primary column was used for all data Samples were BDL.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SW846 8270C

Laboratory Control Samples:

8030013-BS1

Analyte out of acceptance range in QC spike but no reportable concentration present in sample

N-Nitrosodimethylamine

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-5 (0-2') SA75063-01	127-17797-08008	Soil	27-Feb-08 08:15	28-Feb-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	29-Feb-08	29-Feb-08	8021954	DBM
Volatile Organic Compounds					Initial weight: 4.69 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL		µg/kg dry	7.9	1	SW 846 8260B	03-Mar-08	03-Mar-08	8030027	jro
67-64-1	Acetone	BRL		µg/kg dry	79.3	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL		µg/kg dry	7.9	1	"	"	"	"	"
71-43-2	Benzene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL		µg/kg dry	7.9	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL		µg/kg dry	7.9	1	"	"	"	"	"
75-25-2	Bromoform	BRL		µg/kg dry	7.9	1	"	"	"	"	"
74-83-9	Bromomethane	BRL		µg/kg dry	15.9	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	79.3	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL		µg/kg dry	39.7	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	7.9	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
75-00-3	Chloroethane	BRL		µg/kg dry	15.9	1	"	"	"	"	"
67-66-3	Chloroform	BRL		µg/kg dry	7.9	1	"	"	"	"	"
74-87-3	Chloromethane	BRL		µg/kg dry	15.9	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	15.9	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL		µg/kg dry	7.9	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	7.9	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL		µg/kg dry	7.9	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	15.9	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	7.9	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	7.9	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	7.9	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	7.9	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	7.9	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	79.3	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	7.9	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	79.3	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL		µg/kg dry	79.3	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/kg dry	7.9	1	"	"	"	"	"

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-5 (0-2') SA75063-01	127-17797-08008	Soil	27-Feb-08 08:15	28-Feb-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 4.69 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	7.9	1	SW 846 8260B	03-Mar-08	03-Mar-08	8030027	jro
100-42-5	Styrene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	7.9	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	7.9	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
108-88-3	Toluene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	7.9	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	7.9	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	7.9	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	7.9	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL		µg/kg dry	7.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL		µg/kg dry	15.9	1	"	"	"	"	"
95-47-6	o-Xylene	BRL		µg/kg dry	7.9	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	79.3	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL		µg/kg dry	7.9	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	7.9	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	7.9	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	7.9	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	79.3	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL		µg/kg dry	159	1	"	"	"	"	"
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	39.7	1	"	"	"	"	"
64-17-5	Ethanol	BRL		µg/kg dry	3970	1	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*97*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*100*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*113*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*102*		*70-130 %*			"	"	"	"	"
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	410	1	SW846 8270C	03-Mar-08	04-Mar-08	8030013	M.B
208-96-8	Acenaphthylene	BRL		µg/kg dry	410	1	"	"	"	"	"
62-53-3	Aniline	BRL		µg/kg dry	410	1	"	"	"	"	"
120-12-7	Anthracene	BRL		µg/kg dry	410	1	"	"	"	"	"
1912-24-9	Atrazine	BRL		µg/kg dry	410	1	"	"	"	"	"
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	410	1	"	"	"	"	"
92-87-5	Benzidine	BRL		µg/kg dry	410	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	410	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	410	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	410	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	410	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	410	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL		µg/kg dry	410	1	"	"	"	"	"
100-51-6	Benzyl alcohol	BRL		µg/kg dry	410	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-5 (0-2') SA75063-01	127-17797-08008	Soil	27-Feb-08 08:15	28-Feb-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	410	1	SW846 8270C	03-Mar-08	04-Mar-08	8030013	M.B
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	410	1	"	"	"	"	"
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	410	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	410	1	"	"	"	"	"
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	410	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	410	1	"	"	"	"	"
86-74-8	Carbazole	BRL		µg/kg dry	410	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	410	1	"	"	"	"	"
106-47-8	4-Chloroaniline	BRL		µg/kg dry	410	1	"	"	"	"	"
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	410	1	"	"	"	"	"
95-57-8	2-Chlorophenol	BRL		µg/kg dry	410	1	"	"	"	"	"
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	410	1	"	"	"	"	"
218-01-9	Chrysene	463		µg/kg dry	410	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	410	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL		µg/kg dry	410	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	410	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	410	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	410	1	"	"	"	"	"
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	410	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	410	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL		µg/kg dry	410	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	410	1	"	"	"	"	"
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	410	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	410	1	"	"	"	"	"
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	410	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	410	1	"	"	"	"	"
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	410	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	410	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	410	1	"	"	"	"	"
206-44-0	Fluoranthene	876		µg/kg dry	410	1	"	"	"	"	"
86-73-7	Fluorene	BRL		µg/kg dry	410	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	410	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	410	1	"	"	"	"	"
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	410	1	"	"	"	"	"
67-72-1	Hexachloroethane	BRL		µg/kg dry	410	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	410	1	"	"	"	"	"
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	410	1	"	"	"	"	"
78-59-1	Isophorone	BRL		µg/kg dry	410	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	410	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL		µg/kg dry	410	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL		µg/kg dry	410	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/kg dry	410	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL		µg/kg dry	410	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL		µg/kg dry	410	1	"	"	"	"	"
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1640	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL		µg/kg dry	410	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL		µg/kg dry	410	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1640	1	"	"	"	"	"
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	410	1	"	"	"	"	"
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	410	1	"	"	"	"	"

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-5 (0-2') SA75063-01	127-17797-08008	Soil	27-Feb-08 08:15	28-Feb-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	410	1	SW846 8270C	03-Mar-08	04-Mar-08	8030013	M.B
87-86-5	Pentachlorophenol	BRL		µg/kg dry	410	1	"	"	"	"	"
85-01-8	Phenanthrene	548		µg/kg dry	410	1	"	"	"	"	"
108-95-2	Phenol	BRL		µg/kg dry	410	1	"	"	"	"	"
129-00-0	Pyrene	813		µg/kg dry	410	1	"	"	"	"	"
110-86-1	Pyridine	BRL		µg/kg dry	410	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	410	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	410	1	"	"	"	"	"
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	410	1	"	"	"	"	"
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	410	1	"	"	"	"	"
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	410	1	"	"	"	"	"
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*68*		*30-130 %*			"	"	"	"	"
367-12-4	*2-Fluorophenol*	*69*		*15-110 %*			"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*57*		*30-130 %*			"	"	"	"	"
4165-62-2	*Phenol-d5*	*54*		*15-110 %*			"	"	"	"	"
1718-51-0	*Terphenyl-d14*	*72*		*30-130 %*			"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*76*		*15-110 %*			"	"	"	"	"
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3545A											
12674-11-2	PCB 1016	BRL		µg/kg dry	24.7	1	SW846 8082	03-Mar-08	03-Mar-08	8030012	IMR
11104-28-2	PCB 1221	BRL		µg/kg dry	24.7	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL		µg/kg dry	24.7	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL		µg/kg dry	24.7	1	"	"	"	"	"
12672-29-6	PCB 1248	BRL		µg/kg dry	24.7	1	"	"	"	"	"
11097-69-1	PCB 1254	BRL		µg/kg dry	24.7	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL		µg/kg dry	24.7	1	"	"	"	"	"
37324-23-5	PCB 1262	BRL		µg/kg dry	24.7	1	"	"	"	"	"
11100-14-4	PCB 1268	BRL		µg/kg dry	24.7	1	"	"	"	"	"
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*76*		*30-150 %*			"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*91*		*30-150 %*			"	"	"	"	"
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	03-Mar-08	03-Mar-08	8030016	MAL
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	"
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	"
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	"
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	"
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	"
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	"
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	"
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	"
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	"
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	"
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*39*		*30-150 %*			"	"	"	"	"
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-5 (0-2') SA75063-01	127-17797-08008	Soil	27-Feb-08 08:15	28-Feb-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	16.5	1	+CT ETPH	03-Mar-08	04-Mar-08	8030014	MH
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	16.5	1	"	"	"	"	"
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	16.5	1	"	"	"	"	"
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	16.5	1	"	"	"	"	"
M09800000	Motor Oil	BRL		mg/kg dry	16.5	1	"	"	"	"	"
J00100000	Aviation Fuel	BRL		mg/kg dry	16.5	1	"	"	"	"	"
	Unidentified	60.2		mg/kg dry	16.5	1	"	"	"	"	"
	Other Oil	Calculated as		mg/kg dry	16.5	1	"	"	"	"	"
	Total Petroleum Hydrocarbons	60.2		mg/kg dry	16.5	1	"	"	"	"	"
	C9-C36 Aliphatic Hydrocarbons	60.2		mg/kg dry	16.5	1	"	"	"	"	"
Surrogate recoveries:											
3386-33-2	*1-Chloroocladecane*	*77*		*50-150 %*			"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.86	1	SW846 6010B	01-Mar-08	03-Mar-08	8021951	SA
7440-38-2	Arsenic	2.13		mg/kg dry	1.86	1	"	"	"	"	"
7440-39-3	Barium	58.6		mg/kg dry	1.24	1	"	"	"	"	"
7440-43-9	Cadmium	0.819		mg/kg dry	0.620	1	"	"	"	"	"
7440-47-3	Chromium	35.0		mg/kg dry	1.24	1	"	"	"	"	"
7439-97-6	Mercury	0.152		mg/kg dry	0.0338	1	SW846 7471A	"	03-Mar-08	8021952	CRM
7439-92-1	Lead	49.3		mg/kg dry	1.86	1	SW846 6010B	"	03-Mar-08	8021951	SA
7782-49-2	Selenium	BRL		mg/kg dry	1.86	1	"	"	"	"	"
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	07-Mar-08	07-Mar-08	8030425	CMK
7440-47-3	Chromium	BRL		mg/l	0.0100	1	SW846 1312/6010B	08-Mar-08	11-Mar-08	8030483	SA
7439-92-1	Lead	BRL		mg/l	0.0150	1	"	"	"	"	"
General Chemistry Parameters											
	% Solids	79.9		%		1	SM2540 G Mod.	29-Feb-08	29-Feb-08	8021961	DBM

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-6 (0-2') SA75063-03	127-17797-08008	Soil	27-Feb-08 11:30	28-Feb-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	29-Feb-08	29-Feb-08	8021954	DBM
Volatile Organic Compounds					Initial weight: 5.77 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL		µg/kg dry	5.3	1	SW 846 8260B	03-Mar-08	03-Mar-08	8030027	jro
67-64-1	Acetone	BRL		µg/kg dry	52.8	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.3	1	"	"	"	"	"
71-43-2	Benzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.3	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.3	1	"	"	"	"	"
75-25-2	Bromoform	BRL		µg/kg dry	5.3	1	"	"	"	"	"
74-83-9	Bromomethane	BRL		µg/kg dry	10.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	52.8	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL		µg/kg dry	26.4	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.3	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"
75-00-3	Chloroethane	BRL		µg/kg dry	10.6	1	"	"	"	"	"
67-66-3	Chloroform	BRL		µg/kg dry	5.3	1	"	"	"	"	"
74-87-3	Chloromethane	BRL		µg/kg dry	10.6	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.3	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.3	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	10.6	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.3	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.3	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL		µg/kg dry	5.3	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	10.6	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.3	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.3	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.3	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.3	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.3	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.3	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.3	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.3	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.3	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.3	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.3	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	52.8	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.3	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.3	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	52.8	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL		µg/kg dry	52.8	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/kg dry	5.3	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-6 (0-2') SA75063-03	127-17797-08008	Soil	27-Feb-08 11:30	28-Feb-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds						Initial weight: 5.77 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.3	1	SW 846 8260B	03-Mar-08	03-Mar-08	8030027	jro
100-42-5	Styrene	BRL		µg/kg dry	5.3	1	"	"	"	"	"
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.3	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.3	1	"	"	"	"	"
127-18-4	Tetrachloroethene	7.0		µg/kg dry	5.3	1	"	"	"	"	"
108-88-3	Toluene	BRL		µg/kg dry	5.3	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.3	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.3	1	"	"	"	"	"
79-01-6	Trichloroethene	8.5		µg/kg dry	5.3	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.3	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.3	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.3	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL		µg/kg dry	10.6	1	"	"	"	"	"
95-47-6	o-Xylene	BRL		µg/kg dry	5.3	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	52.8	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL		µg/kg dry	5.3	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.3	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.3	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.3	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	52.8	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL		µg/kg dry	106	1	"	"	"	"	"
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	26.4	1	"	"	"	"	"
64-17-5	Ethanol	BRL		µg/kg dry	2640	1	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*104*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*101*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*118*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*105*		*70-130 %*			"	"	"	"	"
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	359	1	SW846 8270C	03-Mar-08	04-Mar-08	8030013	M.B
208-96-8	Acenaphthylene	BRL		µg/kg dry	359	1	"	"	"	"	"
62-53-3	Aniline	BRL		µg/kg dry	359	1	"	"	"	"	"
120-12-7	Anthracene	BRL		µg/kg dry	359	1	"	"	"	"	"
1912-24-9	Atrazine	BRL		µg/kg dry	359	1	"	"	"	"	"
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	359	1	"	"	"	"	"
92-87-5	Benzidine	BRL		µg/kg dry	359	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	359	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	359	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	359	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	359	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	359	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL		µg/kg dry	359	1	"	"	"	"	"
100-51-6	Benzyl alcohol	BRL		µg/kg dry	359	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-6 (0-2') SA75063-03	127-17797-08008	Soil	27-Feb-08 11:30	28-Feb-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	359	1	SW846 8270C	03-Mar-08	04-Mar-08	8030013	M.B
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	359	1	"	"	"	"	"
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	359	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	359	1	"	"	"	"	"
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	359	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	359	1	"	"	"	"	"
86-74-8	Carbazole	BRL		µg/kg dry	359	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	359	1	"	"	"	"	"
106-47-8	4-Chloroaniline	BRL		µg/kg dry	359	1	"	"	"	"	"
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	359	1	"	"	"	"	"
95-57-8	2-Chlorophenol	BRL		µg/kg dry	359	1	"	"	"	"	"
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	359	1	"	"	"	"	"
218-01-9	Chrysene	BRL		µg/kg dry	359	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	359	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL		µg/kg dry	359	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	359	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	359	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	359	1	"	"	"	"	"
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	359	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	359	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL		µg/kg dry	359	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	359	1	"	"	"	"	"
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	359	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	359	1	"	"	"	"	"
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	359	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	359	1	"	"	"	"	"
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	359	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	359	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	359	1	"	"	"	"	"
206-44-0	Fluoranthene	548		µg/kg dry	359	1	"	"	"	"	"
86-73-7	Fluorene	BRL		µg/kg dry	359	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	359	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	359	1	"	"	"	"	"
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	359	1	"	"	"	"	"
67-72-1	Hexachloroethane	BRL		µg/kg dry	359	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	359	1	"	"	"	"	"
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	359	1	"	"	"	"	"
78-59-1	Isophorone	BRL		µg/kg dry	359	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	359	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL		µg/kg dry	359	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL		µg/kg dry	359	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/kg dry	359	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL		µg/kg dry	359	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL		µg/kg dry	359	1	"	"	"	"	"
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1440	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL		µg/kg dry	359	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL		µg/kg dry	359	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1440	1	"	"	"	"	"
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	359	1	"	"	"	"	"
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	359	1	"	"	"	"	"

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-6 (0-2') SA75063-03	127-17797-08008	Soil	27-Feb-08 11:30	28-Feb-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	359	1	SW846 8270C	03-Mar-08	04-Mar-08	8030013	M.B
87-86-5	Pentachlorophenol	BRL		µg/kg dry	359	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL		µg/kg dry	359	1	"	"	"	"	"
108-95-2	Phenol	BRL		µg/kg dry	359	1	"	"	"	"	"
129-00-0	Pyrene	459		µg/kg dry	359	1	"	"	"	"	"
110-86-1	Pyridine	BRL		µg/kg dry	359	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	359	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	359	1	"	"	"	"	"
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	359	1	"	"	"	"	"
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	359	1	"	"	"	"	"
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	359	1	"	"	"	"	"
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*71*		*30-130 %*			"	"	"	"	"
367-12-4	*2-Fluorophenol*	*76*		*15-110 %*			"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*63*		*30-130 %*			"	"	"	"	"
4165-62-2	*Phenol-d5*	*58*		*15-110 %*			"	"	"	"	"
1718-51-0	*Terphenyl-d14*	*74*		*30-130 %*			"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*82*		*15-110 %*			"	"	"	"	"
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3545A											
12674-11-2	PCB 1016	BRL		µg/kg dry	20.5	1	SW846 8082	03-Mar-08	03-Mar-08	8030012	IMR
11104-28-2	PCB 1221	BRL		µg/kg dry	20.5	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL		µg/kg dry	20.5	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL		µg/kg dry	20.5	1	"	"	"	"	"
12672-29-6	PCB 1248	BRL		µg/kg dry	20.5	1	"	"	"	"	"
11097-69-1	PCB 1254	BRL		µg/kg dry	20.5	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL		µg/kg dry	20.5	1	"	"	"	"	"
37324-23-5	PCB 1262	BRL		µg/kg dry	20.5	1	"	"	"	"	"
11100-14-4	PCB 1268	BRL		µg/kg dry	20.5	1	"	"	"	"	"
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*76*		*30-150 %*			"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*84*		*30-150 %*			"	"	"	"	"
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	03-Mar-08	03-Mar-08	8030016	MAL
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	"
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	"
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	"
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	"
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	"
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	"
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	"
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	"
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	"
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	"
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*44*		*30-150 %*			"	"	"	"	"
Extractable Petroleum Hydrocarbons											

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-6 (0-2') SA75063-03	127-17797-08008	Soil	27-Feb-08 11:30	28-Feb-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	14.5	1	+CT ETPH	03-Mar-08	04-Mar-08	8030014	MH
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	14.5	1	"	"	"	"	"
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	14.5	1	"	"	"	"	"
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	14.5	1	"	"	"	"	"
M09800000	Motor Oil	BRL		mg/kg dry	14.5	1	"	"	"	"	"
J00100000	Aviation Fuel	BRL		mg/kg dry	14.5	1	"	"	"	"	"
	Unidentified	30.8		mg/kg dry	14.5	1	"	"	"	"	"
	Other Oil	Calculated as		mg/kg dry	14.5	1	"	"	"	"	"
	Total Petroleum Hydrocarbons	30.8		mg/kg dry	14.5	1	"	"	"	"	"
	C9-C36 Aliphatic Hydrocarbons	30.8		mg/kg dry	14.5	1	"	"	"	"	"
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*77*		*50-150 %*			"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.51	1	SW846 6010B	01-Mar-08	03-Mar-08	8021951	SA
7440-38-2	Arsenic	BRL		mg/kg dry	1.51	1	"	"	"	"	"
7440-39-3	Barium	35.6		mg/kg dry	1.01	1	"	"	"	"	"
7440-43-9	Cadmium	BRL		mg/kg dry	0.504	1	"	"	"	"	"
7440-47-3	Chromium	13.1		mg/kg dry	1.01	1	"	"	"	"	"
7439-97-6	Mercury	0.0990		mg/kg dry	0.0302	1	SW846 7471A	"	03-Mar-08	8021952	CRM
7439-92-1	Lead	35.1		mg/kg dry	1.51	1	SW846 6010B	"	03-Mar-08	8021951	SA
7782-49-2	Selenium	BRL		mg/kg dry	1.51	1	"	"	"	"	"
General Chemistry Parameters											
	% Solids	90.8		%		1	SM2540 G Mod.	29-Feb-08	29-Feb-08	8021961	DBM

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-5 (1-1.5') SA75063-05	127-17797-08008	Soil	27-Feb-08 09:00	28-Feb-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	29-Feb-08	29-Feb-08	8021954	DBM
Volatile Organic Compounds			VC10			Initial weight: 6.33 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL		µg/kg dry	6.5	1	SW 846 8260B	03-Mar-08	03-Mar-08	8030027	jro
67-64-1	Acetone	BRL		µg/kg dry	65.4	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.5	1	"	"	"	"	"
71-43-2	Benzene	BRL		µg/kg dry	6.5	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.5	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.5	1	"	"	"	"	"
75-25-2	Bromoform	BRL		µg/kg dry	6.5	1	"	"	"	"	"
74-83-9	Bromomethane	BRL		µg/kg dry	13.1	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	65.4	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL		µg/kg dry	32.7	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.5	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL		µg/kg dry	13.1	1	"	"	"	"	"
67-66-3	Chloroform	BRL		µg/kg dry	6.5	1	"	"	"	"	"
74-87-3	Chloromethane	BRL		µg/kg dry	13.1	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.5	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.5	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	13.1	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.5	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.5	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL		µg/kg dry	6.5	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	13.1	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.5	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.5	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.5	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.5	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.5	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.5	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.5	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.5	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.5	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.5	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.5	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	65.4	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.5	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.5	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	65.4	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL		µg/kg dry	65.4	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/kg dry	6.5	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-5 (1-1.5') SA75063-05	127-17797-08008	Soil	27-Feb-08 09:00	28-Feb-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds			VC10			Initial weight: 6.33 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.5	1	SW 846 8260B	03-Mar-08	03-Mar-08	8030027	jro
100-42-5	Styrene	BRL		µg/kg dry	6.5	1	"	"	"	"	"
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.5	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.5	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.5	1	"	"	"	"	"
108-88-3	Toluene	BRL		µg/kg dry	6.5	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	"
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.5	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL		µg/kg dry	6.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.5	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL		µg/kg dry	13.1	1	"	"	"	"	"
95-47-6	o-Xylene	BRL		µg/kg dry	6.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	65.4	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL		µg/kg dry	6.5	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.5	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.5	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.5	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	65.4	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL		µg/kg dry	131	1	"	"	"	"	"
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	32.7	1	"	"	"	"	"
64-17-5	Ethanol	BRL		µg/kg dry	3270	1	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*103*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*101*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*118*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*104*		*70-130 %*			"	"	"	"	"
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	492	1	SW846 8270C	03-Mar-08	04-Mar-08	8030013	M.B
208-96-8	Acenaphthylene	BRL		µg/kg dry	492	1	"	"	"	"	"
62-53-3	Aniline	BRL		µg/kg dry	492	1	"	"	"	"	"
120-12-7	Anthracene	BRL		µg/kg dry	492	1	"	"	"	"	"
1912-24-9	Atrazine	BRL		µg/kg dry	492	1	"	"	"	"	"
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	492	1	"	"	"	"	"
92-87-5	Benzidine	BRL		µg/kg dry	492	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	492	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	492	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	492	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	492	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	492	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL		µg/kg dry	492	1	"	"	"	"	"
100-51-6	Benzyl alcohol	BRL		µg/kg dry	492	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-5 (1-1.5') SA75063-05	127-17797-08008	Soil	27-Feb-08 09:00	28-Feb-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	492	1	SW846 8270C	03-Mar-08	04-Mar-08	8030013	M.B
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	492	1	"	"	"	"	"
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	492	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	492	1	"	"	"	"	"
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	492	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	492	1	"	"	"	"	"
86-74-8	Carbazole	BRL		µg/kg dry	492	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	492	1	"	"	"	"	"
106-47-8	4-Chloroaniline	BRL		µg/kg dry	492	1	"	"	"	"	"
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	492	1	"	"	"	"	"
95-57-8	2-Chlorophenol	BRL		µg/kg dry	492	1	"	"	"	"	"
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	492	1	"	"	"	"	"
218-01-9	Chrysene	BRL		µg/kg dry	492	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	492	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL		µg/kg dry	492	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	492	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	492	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	492	1	"	"	"	"	"
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	492	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	492	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL		µg/kg dry	492	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	492	1	"	"	"	"	"
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	492	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	492	1	"	"	"	"	"
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	492	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	492	1	"	"	"	"	"
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	492	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	492	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	492	1	"	"	"	"	"
206-44-0	Fluoranthene	508		µg/kg dry	492	1	"	"	"	"	"
86-73-7	Fluorene	BRL		µg/kg dry	492	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	492	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	492	1	"	"	"	"	"
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	492	1	"	"	"	"	"
67-72-1	Hexachloroethane	BRL		µg/kg dry	492	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	492	1	"	"	"	"	"
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	492	1	"	"	"	"	"
78-59-1	Isophorone	BRL		µg/kg dry	492	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	492	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL		µg/kg dry	492	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL		µg/kg dry	492	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/kg dry	492	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL		µg/kg dry	492	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL		µg/kg dry	492	1	"	"	"	"	"
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1970	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL		µg/kg dry	492	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL		µg/kg dry	492	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1970	1	"	"	"	"	"
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	492	1	"	"	"	"	"
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	492	1	"	"	"	"	"

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-5 (1-1.5') SA75063-05	127-17797-08008	Soil	27-Feb-08 09:00	28-Feb-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	492	1	SW846 8270C	03-Mar-08	04-Mar-08	8030013	M.B
87-86-5	Pentachlorophenol	BRL		µg/kg dry	492	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL		µg/kg dry	492	1	"	"	"	"	"
108-95-2	Phenol	BRL		µg/kg dry	492	1	"	"	"	"	"
129-00-0	Pyrene	BRL		µg/kg dry	492	1	"	"	"	"	"
110-86-1	Pyridine	BRL		µg/kg dry	492	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	492	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	492	1	"	"	"	"	"
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	492	1	"	"	"	"	"
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	492	1	"	"	"	"	"
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	492	1	"	"	"	"	"
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*72*		*30-130 %*			"	"	"	"	"
367-12-4	*2-Fluorophenol*	*75*		*15-110 %*			"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*61*		*30-130 %*			"	"	"	"	"
4165-62-2	*Phenol-d5*	*57*		*15-110 %*			"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*77*		*30-130 %*			"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*82*		*15-110 %*			"	"	"	"	"
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3545A											
12674-11-2	PCB 1016	BRL		µg/kg dry	25.0	1	SW846 8082	03-Mar-08	03-Mar-08	8030012	IMR
11104-28-2	PCB 1221	BRL		µg/kg dry	25.0	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL		µg/kg dry	25.0	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL		µg/kg dry	25.0	1	"	"	"	"	"
12672-29-6	PCB 1248	BRL		µg/kg dry	25.0	1	"	"	"	"	"
11097-69-1	PCB 1254	BRL		µg/kg dry	25.0	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL		µg/kg dry	25.0	1	"	"	"	"	"
37324-23-5	PCB 1262	BRL		µg/kg dry	25.0	1	"	"	"	"	"
11100-14-4	PCB 1268	BRL		µg/kg dry	25.0	1	"	"	"	"	"
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*71*		*30-150 %*			"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*86*		*30-150 %*			"	"	"	"	"
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	03-Mar-08	03-Mar-08	8030016	MAL
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	"
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	"
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	"
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	"
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	"
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	"
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	"
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	"
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	"
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	"
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*41*		*30-150 %*			"	"	"	"	"
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-5 (1-1.5') SA75063-05	127-17797-08008	Soil	27-Feb-08 09:00	28-Feb-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	19.8	1	+CT ETPH	03-Mar-08	04-Mar-08	8030014	MH
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	19.8	1	"	"	"	"	"
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	19.8	1	"	"	"	"	"
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	19.8	1	"	"	"	"	"
M09800000	Motor Oil	BRL		mg/kg dry	19.8	1	"	"	"	"	"
J00100000	Aviation Fuel	BRL		mg/kg dry	19.8	1	"	"	"	"	"
	Unidentified	59.6		mg/kg dry	19.8	1	"	"	"	"	"
	Other Oil	Calculated as		mg/kg dry	19.8	1	"	"	"	"	"
	Total Petroleum Hydrocarbons	59.6		mg/kg dry	19.8	1	"	"	"	"	"
	C9-C36 Aliphatic Hydrocarbons	59.6		mg/kg dry	19.8	1	"	"	"	"	"
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*85*		*50-150 %*			"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.78	1	SW846 6010B	01-Mar-08	03-Mar-08	8021951	SA
7440-38-2	Arsenic	BRL		mg/kg dry	1.78	1	"	"	"	"	"
7440-39-3	Barium	26.7		mg/kg dry	1.19	1	"	"	"	"	"
7440-43-9	Cadmium	BRL		mg/kg dry	0.594	1	"	"	"	"	"
7440-47-3	Chromium	9.41		mg/kg dry	1.19	1	"	"	"	"	"
7439-97-6	Mercury	BRL		mg/kg dry	0.0368	1	SW846 7471A	"	03-Mar-08	8021952	CRM
7439-92-1	Lead	12.3		mg/kg dry	1.78	1	SW846 6010B	"	03-Mar-08	8021951	SA
7782-49-2	Selenium	BRL		mg/kg dry	1.78	1	"	"	"	"	"
General Chemistry Parameters											
	% Solids	77.6		%		1	SM2540 G Mod.	29-Feb-08	29-Feb-08	8021961	DBM

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-6 (1-3') SA75063-06	127-17797-08008	Soil	27-Feb-08 08:20	28-Feb-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	29-Feb-08	29-Feb-08	8021954	DBM
Volatile Organic Compounds						Initial weight: 4.97 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL		µg/kg dry	7.8	1	SW 846 8260B	03-Mar-08	03-Mar-08	8030027	jro
67-64-1	Acetone	BRL		µg/kg dry	78.3	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL		µg/kg dry	7.8	1	"	"	"	"	"
71-43-2	Benzene	BRL		µg/kg dry	7.8	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL		µg/kg dry	7.8	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL		µg/kg dry	7.8	1	"	"	"	"	"
75-25-2	Bromoform	BRL		µg/kg dry	7.8	1	"	"	"	"	"
74-83-9	Bromomethane	BRL		µg/kg dry	15.7	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	78.3	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL		µg/kg dry	39.1	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	7.8	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	"
75-00-3	Chloroethane	BRL		µg/kg dry	15.7	1	"	"	"	"	"
67-66-3	Chloroform	BRL		µg/kg dry	7.8	1	"	"	"	"	"
74-87-3	Chloromethane	BRL		µg/kg dry	15.7	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	7.8	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	7.8	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	15.7	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL		µg/kg dry	7.8	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	7.8	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL		µg/kg dry	7.8	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	15.7	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	7.8	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	7.8	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	7.8	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	7.8	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	7.8	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	7.8	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	7.8	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	7.8	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	7.8	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	7.8	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	7.8	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	7.8	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	78.3	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	7.8	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	7.8	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	78.3	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL		µg/kg dry	78.3	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/kg dry	7.8	1	"	"	"	"	"

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-6 (1-3') SA75063-06	127-17797-08008	Soil	27-Feb-08 08:20	28-Feb-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds					Initial weight: 4.97 g						
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	7.8	1	SW 846 8260B	03-Mar-08	03-Mar-08	8030027	jro
100-42-5	Styrene	BRL		µg/kg dry	7.8	1	"	"	"	"	"
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	7.8	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	7.8	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL		µg/kg dry	7.8	1	"	"	"	"	"
108-88-3	Toluene	BRL		µg/kg dry	7.8	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	"
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	7.8	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	7.8	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL		µg/kg dry	7.8	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	7.8	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	7.8	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL		µg/kg dry	7.8	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL		µg/kg dry	15.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL		µg/kg dry	7.8	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	78.3	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL		µg/kg dry	7.8	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	7.8	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	7.8	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	7.8	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	78.3	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL		µg/kg dry	157	1	"	"	"	"	"
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	39.1	1	"	"	"	"	"
64-17-5	Ethanol	BRL		µg/kg dry	3910	1	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*103*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*102*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*113*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*104*		*70-130 %*			"	"	"	"	"
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	421	1	SW846 8270C	03-Mar-08	04-Mar-08	8030013	M.B
208-96-8	Acenaphthylene	BRL		µg/kg dry	421	1	"	"	"	"	"
62-53-3	Aniline	BRL		µg/kg dry	421	1	"	"	"	"	"
120-12-7	Anthracene	BRL		µg/kg dry	421	1	"	"	"	"	"
1912-24-9	Atrazine	BRL		µg/kg dry	421	1	"	"	"	"	"
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	421	1	"	"	"	"	"
92-87-5	Benzidine	BRL		µg/kg dry	421	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	421	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	421	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	421	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	421	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	421	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL		µg/kg dry	421	1	"	"	"	"	"
100-51-6	Benzyl alcohol	BRL		µg/kg dry	421	1	"	"	"	"	"

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-6 (1-3') SA75063-06	127-17797-08008	Soil	27-Feb-08 08:20	28-Feb-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	421	1	SW846 8270C	03-Mar-08	04-Mar-08	8030013	M.B
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	421	1	"	"	"	"	"
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	421	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	421	1	"	"	"	"	"
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	421	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	421	1	"	"	"	"	"
86-74-8	Carbazole	BRL		µg/kg dry	421	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	421	1	"	"	"	"	"
106-47-8	4-Chloroaniline	BRL		µg/kg dry	421	1	"	"	"	"	"
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	421	1	"	"	"	"	"
95-57-8	2-Chlorophenol	BRL		µg/kg dry	421	1	"	"	"	"	"
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	421	1	"	"	"	"	"
218-01-9	Chrysene	BRL		µg/kg dry	421	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	421	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL		µg/kg dry	421	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	421	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	421	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	421	1	"	"	"	"	"
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	421	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	421	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL		µg/kg dry	421	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	421	1	"	"	"	"	"
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	421	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	421	1	"	"	"	"	"
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	421	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	421	1	"	"	"	"	"
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	421	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	421	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	421	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL		µg/kg dry	421	1	"	"	"	"	"
86-73-7	Fluorene	BRL		µg/kg dry	421	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	421	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	421	1	"	"	"	"	"
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	421	1	"	"	"	"	"
67-72-1	Hexachloroethane	BRL		µg/kg dry	421	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	421	1	"	"	"	"	"
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	421	1	"	"	"	"	"
78-59-1	Isophorone	BRL		µg/kg dry	421	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	421	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL		µg/kg dry	421	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL		µg/kg dry	421	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/kg dry	421	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL		µg/kg dry	421	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL		µg/kg dry	421	1	"	"	"	"	"
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1680	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL		µg/kg dry	421	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL		µg/kg dry	421	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1680	1	"	"	"	"	"
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	421	1	"	"	"	"	"
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	421	1	"	"	"	"	"

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-6 (1-3') SA75063-06	127-17797-08008	Soil	27-Feb-08 08:20	28-Feb-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	421	1	SW846 8270C	03-Mar-08	04-Mar-08	8030013	M.B
87-86-5	Pentachlorophenol	BRL		µg/kg dry	421	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL		µg/kg dry	421	1	"	"	"	"	"
108-95-2	Phenol	BRL		µg/kg dry	421	1	"	"	"	"	"
129-00-0	Pyrene	BRL		µg/kg dry	421	1	"	"	"	"	"
110-86-1	Pyridine	BRL		µg/kg dry	421	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	421	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	421	1	"	"	"	"	"
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	421	1	"	"	"	"	"
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	421	1	"	"	"	"	"
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	421	1	"	"	"	"	"
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*66*		*30-130 %*			"	"	"	"	"
367-12-4	*2-Fluorophenol*	*70*		*15-110 %*			"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*57*		*30-130 %*			"	"	"	"	"
4165-62-2	*Phenol-d5*	*53*		*15-110 %*			"	"	"	"	"
1718-51-0	*Terphenyl-d14*	*70*		*30-130 %*			"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*74*		*15-110 %*			"	"	"	"	"
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3545A											
12674-11-2	PCB 1016	BRL		µg/kg dry	25.3	1	SW846 8082	03-Mar-08	03-Mar-08	8030012	IMR
11104-28-2	PCB 1221	BRL		µg/kg dry	25.3	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL		µg/kg dry	25.3	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL		µg/kg dry	25.3	1	"	"	"	"	"
12672-29-6	PCB 1248	BRL		µg/kg dry	25.3	1	"	"	"	"	"
11097-69-1	PCB 1254	BRL		µg/kg dry	25.3	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL		µg/kg dry	25.3	1	"	"	"	"	"
37324-23-5	PCB 1262	BRL		µg/kg dry	25.3	1	"	"	"	"	"
11100-14-4	PCB 1268	BRL		µg/kg dry	25.3	1	"	"	"	"	"
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*74*		*30-150 %*			"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*		*30-150 %*			"	"	"	"	"
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	03-Mar-08	03-Mar-08	8030016	MAL
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	"
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	"
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	"
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	"
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	"
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	"
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	"
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	"
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	"
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	"
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*31*		*30-150 %*			"	"	"	"	"
Extractable Petroleum Hydrocarbons											

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-6 (1-3') SA75063-06	127-17797-08008	Soil	27-Feb-08 08:20	28-Feb-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	17.0	1	+CT ETPH	03-Mar-08	04-Mar-08	8030014	MH
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	17.0	1	"	"	"	"	"
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	17.0	1	"	"	"	"	"
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	17.0	1	"	"	"	"	"
M09800000	Motor Oil	BRL		mg/kg dry	17.0	1	"	"	"	"	"
J00100000	Aviation Fuel	BRL		mg/kg dry	17.0	1	"	"	"	"	"
	Unidentified	BRL		mg/kg dry	17.0	1	"	"	"	"	"
	Other Oil	BRL		mg/kg dry	17.0	1	"	"	"	"	"
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	17.0	1	"	"	"	"	"
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	17.0	1	"	"	"	"	"
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*80*		*50-150 %*			"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.73	1	SW846 6010B	01-Mar-08	03-Mar-08	8021951	SA
7440-38-2	Arsenic	BRL		mg/kg dry	1.73	1	"	"	"	"	"
7440-39-3	Barium	36.8		mg/kg dry	1.15	1	"	"	"	"	"
7440-43-9	Cadmium	BRL		mg/kg dry	0.576	1	"	"	"	"	"
7440-47-3	Chromium	7.70		mg/kg dry	1.15	1	"	"	"	"	"
7439-97-6	Mercury	0.0413		mg/kg dry	0.0368	1	SW846 7471A	"	03-Mar-08	8021952	CRM
7439-92-1	Lead	15.8		mg/kg dry	1.73	1	SW846 6010B	"	03-Mar-08	8021951	SA
7782-49-2	Selenium	BRL		mg/kg dry	1.73	1	"	"	"	"	"
General Chemistry Parameters											
	% Solids	78.2		%		1	SM2540 G Mod.	29-Feb-08	29-Feb-08	8021961	DBM

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030027 - SW846 5035A Soil (low level)										
Blank (8030027-BLK1)										
Prepared & Analyzed: 03-Mar-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	25.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	50.0						
Naphthalene	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030027 - SW846 5035A Soil (low level)										
Blank (8030027-BLK1)										
Prepared & Analyzed: 03-Mar-08										
n-Propylbenzene	BRL		µg/kg wet	5.0						
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	50.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2500						
Surrogate: 4-Bromofluorobenzene	*52.2*		µg/kg wet		*50.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*50.4*		µg/kg wet		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*60.0*		µg/kg wet		*50.0*		*120*	*70-130*		
Surrogate: Dibromofluoromethane	*52.5*		µg/kg wet		*50.0*		*105*	*70-130*		
LCS (8030027-BS1)										
Prepared & Analyzed: 03-Mar-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.4		µg/kg wet		20.0		102	70-130		
Acetone	10.8		µg/kg wet		20.0		54	24.9-167		
Acrylonitrile	19.5		µg/kg wet		20.0		98	70-130		
Benzene	21.3		µg/kg wet		20.0		107	70-130		
Bromobenzene	20.1		µg/kg wet		20.0		100	70-130		
Bromochloromethane	20.3		µg/kg wet		20.0		101	70-130		
Bromodichloromethane	21.4		µg/kg wet		20.0		107	70-130		
Bromoform	20.7		µg/kg wet		20.0		104	70-130		
Bromomethane	19.9		µg/kg wet		20.0		99	57.4-139		
2-Butanone (MEK)	13.0		µg/kg wet		20.0		65	46.9-141		
n-Butylbenzene	15.5		µg/kg wet		20.0		78	70-130		
sec-Butylbenzene	18.9		µg/kg wet		20.0		95	70-130		
tert-Butylbenzene	20.3		µg/kg wet		20.0		101	70-130		
Carbon disulfide	19.3		µg/kg wet		20.0		97	70-130		
Carbon tetrachloride	19.5		µg/kg wet		20.0		97	70-130		
Chlorobenzene	20.2		µg/kg wet		20.0		101	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030027 - SW846 5035A Soil (low level)										
LCS (8030027-BS1)										
Prepared & Analyzed: 03-Mar-08										
Chloroethane	21.6		µg/kg wet		20.0		108	60.5-131		
Chloroform	21.2		µg/kg wet		20.0		106	70-130		
Chloromethane	22.1		µg/kg wet		20.0		110	70-130		
2-Chlorotoluene	19.2		µg/kg wet		20.0		96	70-130		
4-Chlorotoluene	18.7		µg/kg wet		20.0		94	70-130		
1,2-Dibromo-3-chloropropane	18.8		µg/kg wet		20.0		94	70-130		
Dibromochloromethane	20.9		µg/kg wet		20.0		105	70-130		
1,2-Dibromoethane (EDB)	19.6		µg/kg wet		20.0		98	70-130		
Dibromomethane	20.9		µg/kg wet		20.0		105	70-130		
1,2-Dichlorobenzene	19.1		µg/kg wet		20.0		95	70-130		
1,3-Dichlorobenzene	19.0		µg/kg wet		20.0		95	70-130		
1,4-Dichlorobenzene	18.0		µg/kg wet		20.0		90	70-130		
Dichlorodifluoromethane (Freon12)	20.9		µg/kg wet		20.0		105	47.2-175		
1,1-Dichloroethane	22.1		µg/kg wet		20.0		111	70-130		
1,2-Dichloroethane	20.5		µg/kg wet		20.0		103	70-130		
1,1-Dichloroethene	20.7		µg/kg wet		20.0		104	70-130		
cis-1,2-Dichloroethene	21.6		µg/kg wet		20.0		108	70-130		
trans-1,2-Dichloroethene	20.4		µg/kg wet		20.0		102	70-130		
1,2-Dichloropropane	21.6		µg/kg wet		20.0		108	70-130		
1,3-Dichloropropane	20.5		µg/kg wet		20.0		102	70-130		
2,2-Dichloropropane	20.5		µg/kg wet		20.0		102	70-130		
1,1-Dichloropropene	20.3		µg/kg wet		20.0		101	70-130		
cis-1,3-Dichloropropene	19.7		µg/kg wet		20.0		98	70-130		
trans-1,3-Dichloropropene	19.5		µg/kg wet		20.0		97	70-130		
Ethylbenzene	19.7		µg/kg wet		20.0		98	70-130		
Hexachlorobutadiene	15.1		µg/kg wet		20.0		75	62.4-142		
2-Hexanone (MBK)	14.3		µg/kg wet		20.0		72	70-130		
Isopropylbenzene	18.8		µg/kg wet		20.0		94	70-130		
4-Isopropyltoluene	18.2		µg/kg wet		20.0		91	70-130		
Methyl tert-butyl ether	20.2		µg/kg wet		20.0		101	70-130		
4-Methyl-2-pentanone (MIBK)	20.6		µg/kg wet		20.0		103	70-135		
Methylene chloride	20.0		µg/kg wet		20.0		100	70-130		
Naphthalene	17.5		µg/kg wet		20.0		88	70-130		
n-Propylbenzene	18.7		µg/kg wet		20.0		94	70-130		
Styrene	19.9		µg/kg wet		20.0		100	70-130		
1,1,1,2-Tetrachloroethane	20.1		µg/kg wet		20.0		100	70-130		
1,1,2,2-Tetrachloroethane	20.2		µg/kg wet		20.0		101	70-130		
Tetrachloroethene	18.9		µg/kg wet		20.0		95	70-130		
Toluene	18.8		µg/kg wet		20.0		94	70-130		
1,2,3-Trichlorobenzene	18.3		µg/kg wet		20.0		92	70-130		
1,2,4-Trichlorobenzene	16.1		µg/kg wet		20.0		81	70-130		
1,3,5-Trichlorobenzene	15.6		µg/kg wet		20.0		78	70-130		
1,1,1-Trichloroethane	21.7		µg/kg wet		20.0		108	70-130		
1,1,2-Trichloroethane	20.6		µg/kg wet		20.0		103	70-130		
Trichloroethene	20.0		µg/kg wet		20.0		100	70-130		
Trichlorofluoromethane (Freon 11)	20.5		µg/kg wet		20.0		102	70-136		
1,2,3-Trichloropropane	21.9		µg/kg wet		20.0		110	70-130		
1,2,4-Trimethylbenzene	18.8		µg/kg wet		20.0		94	70-130		
1,3,5-Trimethylbenzene	19.0		µg/kg wet		20.0		95	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030027 - SW846 5035A Soil (low level)										
LCS (8030027-BS1)										
Prepared & Analyzed: 03-Mar-08										
Vinyl chloride	22.5		µg/kg wet		20.0		112	70-130		
m,p-Xylene	39.1		µg/kg wet		40.0		98	70-130		
o-Xylene	20.4		µg/kg wet		20.0		102	70-130		
Tetrahydrofuran	19.9		µg/kg wet		20.0		99	70-130		
Ethyl ether	20.2		µg/kg wet		20.0		101	70-130		
Tert-amyl methyl ether	20.4		µg/kg wet		20.0		102	70-130		
Ethyl tert-butyl ether	21.6		µg/kg wet		20.0		108	70-130		
Di-isopropyl ether	20.5		µg/kg wet		20.0		102	70-130		
Tert-Butanol / butyl alcohol	190		µg/kg wet		200		95	70-130		
1,4-Dioxane	197		µg/kg wet		200		98	42.2-144		
trans-1,4-Dichloro-2-butene	18.5		µg/kg wet		20.0		92	70-130		
Ethanol	454		µg/kg wet		400		113	70-130		
Surrogate: 4-Bromofluorobenzene	*51.1*		µg/kg wet		*50.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*50.1*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.1*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: Dibromofluoromethane	*50.2*		µg/kg wet		*50.0*		*100*	*70-130*		
LCS Dup (8030027-BSD1)										
Prepared & Analyzed: 03-Mar-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.4		µg/kg wet		20.0		102	70-130	0	25
Acetone	10.1		µg/kg wet		20.0		50	24.9-167	7	50
Acrylonitrile	19.0		µg/kg wet		20.0		95	70-130	3	25
Benzene	21.3		µg/kg wet		20.0		106	70-130	0.2	25
Bromobenzene	20.3		µg/kg wet		20.0		101	70-130	1	25
Bromochloromethane	20.7		µg/kg wet		20.0		104	70-130	2	25
Bromodichloromethane	21.2		µg/kg wet		20.0		106	70-130	1	25
Bromoform	19.8		µg/kg wet		20.0		99	70-130	5	25
Bromomethane	20.0		µg/kg wet		20.0		100	57.4-139	0.4	50
2-Butanone (MEK)	12.1		µg/kg wet		20.0		61	46.9-141	7	50
n-Butylbenzene	16.6		µg/kg wet		20.0		83	70-130	7	25
sec-Butylbenzene	19.3		µg/kg wet		20.0		96	70-130	2	25
tert-Butylbenzene	20.4		µg/kg wet		20.0		102	70-130	0.5	25
Carbon disulfide	19.1		µg/kg wet		20.0		96	70-130	1	25
Carbon tetrachloride	19.6		µg/kg wet		20.0		98	70-130	0.7	25
Chlorobenzene	20.3		µg/kg wet		20.0		102	70-130	0.9	25
Chloroethane	21.0		µg/kg wet		20.0		105	60.5-131	3	50
Chloroform	21.2		µg/kg wet		20.0		106	70-130	0.4	25
Chloromethane	21.8		µg/kg wet		20.0		109	70-130	1	25
2-Chlorotoluene	19.8		µg/kg wet		20.0		99	70-130	3	25
4-Chlorotoluene	18.9		µg/kg wet		20.0		94	70-130	1	25
1,2-Dibromo-3-chloropropane	18.2		µg/kg wet		20.0		91	70-130	4	25
Dibromochloromethane	20.7		µg/kg wet		20.0		103	70-130	1	50
1,2-Dibromoethane (EDB)	19.6		µg/kg wet		20.0		98	70-130	0.4	25
Dibromomethane	20.2		µg/kg wet		20.0		101	70-130	4	25
1,2-Dichlorobenzene	19.4		µg/kg wet		20.0		97	70-130	2	25
1,3-Dichlorobenzene	19.3		µg/kg wet		20.0		97	70-130	2	25
1,4-Dichlorobenzene	18.6		µg/kg wet		20.0		93	70-130	3	25
Dichlorodifluoromethane (Freon12)	20.4		µg/kg wet		20.0		102	47.2-175	3	50
1,1-Dichloroethane	22.1		µg/kg wet		20.0		111	70-130	0.05	25
1,2-Dichloroethane	20.5		µg/kg wet		20.0		102	70-130	0.2	25
1,1-Dichloroethene	20.5		µg/kg wet		20.0		102	70-130	1	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030027 - SW846 5035A Soil (low level)										
LCS Dup (8030027-BSD1)										
Prepared & Analyzed: 03-Mar-08										
cis-1,2-Dichloroethene	22.0		µg/kg wet		20.0		110	70-130	2	25
trans-1,2-Dichloroethene	20.2		µg/kg wet		20.0		101	70-130	1	25
1,2-Dichloropropane	21.1		µg/kg wet		20.0		106	70-130	2	25
1,3-Dichloropropane	20.0		µg/kg wet		20.0		100	70-130	2	25
2,2-Dichloropropane	20.2		µg/kg wet		20.0		101	70-130	1	25
1,1-Dichloropropene	20.0		µg/kg wet		20.0		100	70-130	1	25
cis-1,3-Dichloropropene	19.7		µg/kg wet		20.0		98	70-130	0.1	25
trans-1,3-Dichloropropene	19.7		µg/kg wet		20.0		98	70-130	1	25
Ethylbenzene	19.8		µg/kg wet		20.0		99	70-130	0.4	25
Hexachlorobutadiene	15.6		µg/kg wet		20.0		78	62.4-142	4	50
2-Hexanone (MBK)	13.6	QC1	µg/kg wet		20.0		68	70-130	5	25
Isopropylbenzene	19.1		µg/kg wet		20.0		96	70-130	2	25
4-Isopropyltoluene	18.8		µg/kg wet		20.0		94	70-130	4	25
Methyl tert-butyl ether	19.7		µg/kg wet		20.0		98	70-130	3	25
4-Methyl-2-pentanone (MIBK)	19.8		µg/kg wet		20.0		99	70-135	4	50
Methylene chloride	19.6		µg/kg wet		20.0		98	70-130	2	25
Naphthalene	17.4		µg/kg wet		20.0		87	70-130	0.8	25
n-Propylbenzene	19.1		µg/kg wet		20.0		95	70-130	2	25
Styrene	20.2		µg/kg wet		20.0		101	70-130	1	25
1,1,1,2-Tetrachloroethane	20.0		µg/kg wet		20.0		100	70-130	0.7	25
1,1,2,2-Tetrachloroethane	19.7		µg/kg wet		20.0		98	70-130	2	25
Tetrachloroethene	19.4		µg/kg wet		20.0		97	70-130	2	25
Toluene	19.2		µg/kg wet		20.0		96	70-130	2	25
1,2,3-Trichlorobenzene	18.3		µg/kg wet		20.0		91	70-130	0.4	25
1,2,4-Trichlorobenzene	16.9		µg/kg wet		20.0		84	70-130	5	25
1,3,5-Trichlorobenzene	16.6		µg/kg wet		20.0		83	70-130	6	25
1,1,1-Trichloroethane	21.4		µg/kg wet		20.0		107	70-130	1	25
1,1,2-Trichloroethane	20.6		µg/kg wet		20.0		103	70-130	0.1	25
Trichloroethene	20.1		µg/kg wet		20.0		100	70-130	0.3	25
Trichlorofluoromethane (Freon 11)	20.2		µg/kg wet		20.0		101	70-136	1	50
1,2,3-Trichloropropane	21.0		µg/kg wet		20.0		105	70-130	4	25
1,2,4-Trimethylbenzene	19.1		µg/kg wet		20.0		96	70-130	2	25
1,3,5-Trimethylbenzene	19.3		µg/kg wet		20.0		96	70-130	2	25
Vinyl chloride	22.0		µg/kg wet		20.0		110	70-130	2	25
m,p-Xylene	39.7		µg/kg wet		40.0		99	70-130	2	25
o-Xylene	20.9		µg/kg wet		20.0		105	70-130	3	25
Tetrahydrofuran	19.2		µg/kg wet		20.0		96	70-130	4	25
Ethyl ether	19.8		µg/kg wet		20.0		99	70-130	2	50
Tert-amyl methyl ether	20.5		µg/kg wet		20.0		103	70-130	0.5	25
Ethyl tert-butyl ether	21.1		µg/kg wet		20.0		105	70-130	2	25
Di-isopropyl ether	20.4		µg/kg wet		20.0		102	70-130	0.2	25
Tert-Butanol / butyl alcohol	179		µg/kg wet		200		89	70-130	6	25
1,4-Dioxane	182		µg/kg wet		200		91	42.2-144	8	25
trans-1,4-Dichloro-2-butene	17.3		µg/kg wet		20.0		86	70-130	7	25
Ethanol	400		µg/kg wet		400		100	70-130	13	30
Surrogate: 4-Bromofluorobenzene	*51.3*		µg/kg wet		*50.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*50.8*		µg/kg wet		*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*49.4*		µg/kg wet		*50.0*		*99*	*70-130*		
Surrogate: Dibromofluoromethane	*50.0*		µg/kg wet		*50.0*		*100*	*70-130*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030013 - SW846 3550B										
Blank (8030013-BLK1)										
Prepared: 03-Mar-08 Analyzed: 04-Mar-08										
Acenaphthene	BRL		µg/kg wet	165						
Acenaphthylene	BRL		µg/kg wet	165						
Aniline	BRL		µg/kg wet	165						
Anthracene	BRL		µg/kg wet	165						
Atrazine	BRL		µg/kg wet	165						
Azobenzene/Diphenyldiazine	BRL		µg/kg wet	165						
Benzidine	BRL		µg/kg wet	165						
Benzo (a) anthracene	BRL		µg/kg wet	165						
Benzo (a) pyrene	BRL		µg/kg wet	165						
Benzo (b) fluoranthene	BRL		µg/kg wet	165						
Benzo (g,h,i) perylene	BRL		µg/kg wet	165						
Benzo (k) fluoranthene	BRL		µg/kg wet	165						
Benzoic acid	BRL		µg/kg wet	165						
Benzyl alcohol	BRL		µg/kg wet	165						
Bis(2-chloroethoxy)methane	BRL		µg/kg wet	165						
Bis(2-chloroethyl)ether	BRL		µg/kg wet	165						
Bis(2-chloroisopropyl)ether	BRL		µg/kg wet	165						
Bis(2-ethylhexyl)phthalate	BRL		µg/kg wet	165						
4-Bromophenyl phenyl ether	BRL		µg/kg wet	165						
Butyl benzyl phthalate	BRL		µg/kg wet	165						
Carbazole	BRL		µg/kg wet	165						
4-Chloro-3-methylphenol	BRL		µg/kg wet	165						
4-Chloroaniline	BRL		µg/kg wet	165						
2-Chloronaphthalene	BRL		µg/kg wet	165						
2-Chlorophenol	BRL		µg/kg wet	165						
4-Chlorophenyl phenyl ether	BRL		µg/kg wet	165						
Chrysene	BRL		µg/kg wet	165						
Dibenzo (a,h) anthracene	BRL		µg/kg wet	165						
Dibenzofuran	BRL		µg/kg wet	165						
1,2-Dichlorobenzene	BRL		µg/kg wet	165						
1,3-Dichlorobenzene	BRL		µg/kg wet	165						
1,4-Dichlorobenzene	BRL		µg/kg wet	165						
3,3'-Dichlorobenzidine	BRL		µg/kg wet	165						
2,4-Dichlorophenol	BRL		µg/kg wet	165						
Diethyl phthalate	BRL		µg/kg wet	165						
Dimethyl phthalate	BRL		µg/kg wet	165						
2,4-Dimethylphenol	BRL		µg/kg wet	165						
Di-n-butyl phthalate	BRL		µg/kg wet	165						
4,6-Dinitro-2-methylphenol	BRL		µg/kg wet	165						
2,4-Dinitrophenol	BRL		µg/kg wet	165						
2,4-Dinitrotoluene	BRL		µg/kg wet	165						
2,6-Dinitrotoluene	BRL		µg/kg wet	165						
Di-n-octyl phthalate	BRL		µg/kg wet	165						
Fluoranthene	BRL		µg/kg wet	165						
Fluorene	BRL		µg/kg wet	165						
Hexachlorobenzene	BRL		µg/kg wet	165						
Hexachlorobutadiene	BRL		µg/kg wet	165						
Hexachlorocyclopentadiene	BRL		µg/kg wet	165						
Hexachloroethane	BRL		µg/kg wet	165						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030013 - SW846 3550B										
Blank (8030013-BLK1)										
Prepared: 03-Mar-08 Analyzed: 04-Mar-08										
Indeno (1,2,3-cd) pyrene	BRL		µg/kg wet	165						
1-Methylnaphthalene	BRL		µg/kg wet	165						
Isophorone	BRL		µg/kg wet	165						
2-Methylnaphthalene	BRL		µg/kg wet	165						
2-Methylphenol	BRL		µg/kg wet	165						
3,4-Methylphenol	BRL		µg/kg wet	165						
Naphthalene	BRL		µg/kg wet	165						
2-Nitroaniline	BRL		µg/kg wet	165						
3-Nitroaniline	BRL		µg/kg wet	165						
4-Nitroaniline	BRL		µg/kg wet	660						
Nitrobenzene	BRL		µg/kg wet	165						
2-Nitrophenol	BRL		µg/kg wet	165						
4-Nitrophenol	BRL		µg/kg wet	660						
N-Nitrosodimethylamine	BRL		µg/kg wet	165						
N-Nitrosodi-n-propylamine	BRL		µg/kg wet	165						
N-Nitrosodiphenylamine	BRL		µg/kg wet	165						
Pentachlorophenol	BRL		µg/kg wet	165						
Phenanthrene	BRL		µg/kg wet	165						
Phenol	BRL		µg/kg wet	165						
Pyrene	BRL		µg/kg wet	165						
Pyridine	BRL		µg/kg wet	165						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	165						
2,4,5-Trichlorophenol	BRL		µg/kg wet	165						
2,4,6-Trichlorophenol	BRL		µg/kg wet	165						
Pentachloronitrobenzene	BRL		µg/kg wet	165						
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg wet	165						
Surrogate: 2-Fluorobiphenyl	*1190*		µg/kg wet		*1670*		*71*	*30-130*		
Surrogate: 2-Fluorophenol	*1210*		µg/kg wet		*1670*		*73*	*15-110*		
Surrogate: Nitrobenzene-d5	*1020*		µg/kg wet		*1670*		*61*	*30-130*		
Surrogate: Phenol-d5	*936*		µg/kg wet		*1670*		*56*	*15-110*		
Surrogate: Terphenyl-d14	*1240*		µg/kg wet		*1670*		*74*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1340*		µg/kg wet		*1670*		*80*	*15-110*		
LCS (8030013-BS1)										
Prepared: 03-Mar-08 Analyzed: 04-Mar-08										
Acenaphthene	1270		µg/kg wet	165	1670		76	40-130		
Acenaphthylene	1420		µg/kg wet	165	1670		85	40-130		
Aniline	739		µg/kg wet	165	1670		44	40-130		
Anthracene	1420		µg/kg wet	165	1670		85	40-130		
Atrazine	1330		µg/kg wet	165	1670		80	40-130		
Azobenzene/Diphenyldiazine	1280		µg/kg wet	165	1670		77	40-130		
Benzidine	BRL		µg/kg wet	165	1670			0-153		
Benzo (a) anthracene	1410		µg/kg wet	165	1670		84	40-130		
Benzo (a) pyrene	1400		µg/kg wet	165	1670		84	40-130		
Benzo (b) fluoranthene	1270		µg/kg wet	165	1670		76	40-130		
Benzo (g,h,i) perylene	1350		µg/kg wet	165	1670		81	40-130		
Benzo (k) fluoranthene	1520		µg/kg wet	165	1670		91	40-130		
Benzoic acid	1020		µg/kg wet	165	1670		61	0-130		
Benzyl alcohol	1270		µg/kg wet	165	1670		76	40-130		
Bis(2-chloroethoxy)methane	1260		µg/kg wet	165	1670		75	40-130		
Bis(2-chloroethyl)ether	1140		µg/kg wet	165	1670		69	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030013 - SW846 3550B										
LCS (8030013-BS1)										
Prepared: 03-Mar-08 Analyzed: 04-Mar-08										
Bis(2-chloroisopropyl)ether	1040		µg/kg wet	165	1670		63	40-130		
Bis(2-ethylhexyl)phthalate	1350		µg/kg wet	165	1670		81	40-130		
4-Bromophenyl phenyl ether	1460		µg/kg wet	165	1670		88	40-130		
Butyl benzyl phthalate	1320		µg/kg wet	165	1670		79	40-130		
Carbazole	2030		µg/kg wet	165	1670		122	40-130		
4-Chloro-3-methylphenol	1300		µg/kg wet	165	1670		78	40-130		
4-Chloroaniline	1070		µg/kg wet	165	1670		64	40-130		
2-Chloronaphthalene	1280		µg/kg wet	165	1670		77	40-130		
2-Chlorophenol	1210		µg/kg wet	165	1670		72	40-130		
4-Chlorophenyl phenyl ether	1490		µg/kg wet	165	1670		90	40-130		
Chrysene	1390		µg/kg wet	165	1670		83	40-130		
Dibenzo (a,h) anthracene	1360		µg/kg wet	165	1670		82	40-130		
Dibenzofuran	1360		µg/kg wet	165	1670		82	40-130		
1,2-Dichlorobenzene	1210		µg/kg wet	165	1670		73	40-130		
1,3-Dichlorobenzene	1220		µg/kg wet	165	1670		73	40-130		
1,4-Dichlorobenzene	1190		µg/kg wet	165	1670		71	40-130		
3,3'-Dichlorobenzidine	1760		µg/kg wet	165	1670		106	40-130		
2,4-Dichlorophenol	1340		µg/kg wet	165	1670		80	40-130		
Diethyl phthalate	1380		µg/kg wet	165	1670		83	40-130		
Dimethyl phthalate	1380		µg/kg wet	165	1670		83	40-130		
2,4-Dimethylphenol	1270		µg/kg wet	165	1670		76	40-130		
Di-n-butyl phthalate	1420		µg/kg wet	165	1670		85	40-130		
4,6-Dinitro-2-methylphenol	1190		µg/kg wet	165	1670		71	40-130		
2,4-Dinitrophenol	1020		µg/kg wet	165	1670		61	40-130		
2,4-Dinitrotoluene	1390		µg/kg wet	165	1670		83	40-130		
2,6-Dinitrotoluene	1380		µg/kg wet	165	1670		83	40-130		
Di-n-octyl phthalate	1370		µg/kg wet	165	1670		82	40-130		
Fluoranthene	1430		µg/kg wet	165	1670		86	40-130		
Fluorene	1440		µg/kg wet	165	1670		86	40-130		
Hexachlorobenzene	1420		µg/kg wet	165	1670		85	40-130		
Hexachlorobutadiene	1330		µg/kg wet	165	1670		80	40-130		
Hexachlorocyclopentadiene	1030		µg/kg wet	165	1670		62	40-130		
Hexachloroethane	1120		µg/kg wet	165	1670		67	40-130		
Indeno (1,2,3-cd) pyrene	1340		µg/kg wet	165	1670		80	40-130		
1-Methylnaphthalene	1330		µg/kg wet	165	1670		80	40-140		
Isophorone	1170		µg/kg wet	165	1670		70	40-130		
2-Methylnaphthalene	1300		µg/kg wet	165	1670		78	40-130		
2-Methylphenol	1220		µg/kg wet	165	1670		73	40-130		
3,4-Methylphenol	1450		µg/kg wet	165	1670		87	40-130		
Naphthalene	1290		µg/kg wet	165	1670		77	40-130		
2-Nitroaniline	1330		µg/kg wet	165	1670		80	40-130		
3-Nitroaniline	1370		µg/kg wet	165	1670		82	40-130		
4-Nitroaniline	1640		µg/kg wet	660	1670		98	40-130		
Nitrobenzene	1150		µg/kg wet	165	1670		69	40-130		
2-Nitrophenol	1210		µg/kg wet	165	1670		73	40-130		
4-Nitrophenol	1500		µg/kg wet	660	1670		90	40-130		
N-Nitrosodimethylamine	596	QC2	µg/kg wet	165	1670		36	40-130		
N-Nitrosodi-n-propylamine	1180		µg/kg wet	165	1670		71	40-130		
N-Nitrosodiphenylamine	1590		µg/kg wet	165	1670		96	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030013 - SW846 3550B										
LCS (8030013-BS1)										
Prepared: 03-Mar-08 Analyzed: 04-Mar-08										
Pentachlorophenol	1630		µg/kg wet	165	1670		98	40-130		
Phenanthrene	1390		µg/kg wet	165	1670		84	40-130		
Phenol	1160		µg/kg wet	165	1670		70	40-130		
Pyrene	1410		µg/kg wet	165	1670		85	40-130		
Pyridine	139		µg/kg wet	165	1670		8	0-60		
1,2,4-Trichlorobenzene	1280		µg/kg wet	165	1670		77	40-130		
2,4,5-Trichlorophenol	1360		µg/kg wet	165	1670		82	40-130		
2,4,6-Trichlorophenol	1380		µg/kg wet	165	1670		83	40-130		
Pentachloronitrobenzene	1390		µg/kg wet	165	1670		84	40-140		
1,2,4,5-Tetrachlorobenzene	1170		µg/kg wet	165	1670		70	40-140		
Surrogate: 2-Fluorobiphenyl	*1140*		µg/kg wet		*1670*		*68*	*30-130*		
Surrogate: 2-Fluorophenol	*1060*		µg/kg wet		*1670*		*64*	*15-110*		
Surrogate: Nitrobenzene-d5	*987*		µg/kg wet		*1670*		*59*	*30-130*		
Surrogate: Phenol-d5	*833*		µg/kg wet		*1670*		*50*	*15-110*		
Surrogate: Terphenyl-d14	*1220*		µg/kg wet		*1670*		*73*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1350*		µg/kg wet		*1670*		*81*	*15-110*		
Duplicate (8030013-DUP1) Source: SA75063-06										
Prepared: 03-Mar-08 Analyzed: 04-Mar-08										
Acenaphthene	BRL		µg/kg dry	420		BRL				50
Acenaphthylene	BRL		µg/kg dry	420		BRL				50
Aniline	BRL		µg/kg dry	420		BRL				50
Anthracene	BRL		µg/kg dry	420		BRL				50
Atrazine	BRL		µg/kg dry	420		BRL				50
Azobenzene/Diphenyldiazine	BRL		µg/kg dry	420		BRL				50
Benzidine	BRL		µg/kg dry	420		BRL				50
Benzo (a) anthracene	BRL		µg/kg dry	420		47.6				50
Benzo (a) pyrene	BRL		µg/kg dry	420		BRL				50
Benzo (b) fluoranthene	BRL		µg/kg dry	420		BRL				50
Benzo (g,h,i) perylene	BRL		µg/kg dry	420		BRL				50
Benzo (k) fluoranthene	BRL		µg/kg dry	420		BRL				50
Benzoic acid	BRL		µg/kg dry	420		BRL				50
Benzyl alcohol	BRL		µg/kg dry	420		BRL				50
Bis(2-chloroethoxy)methane	BRL		µg/kg dry	420		BRL				50
Bis(2-chloroethyl)ether	BRL		µg/kg dry	420		BRL				50
Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	420		BRL				50
Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	420		BRL				50
4-Bromophenyl phenyl ether	BRL		µg/kg dry	420		BRL				50
Butyl benzyl phthalate	BRL		µg/kg dry	420		BRL				50
Carbazole	BRL		µg/kg dry	420		BRL				50
4-Chloro-3-methylphenol	BRL		µg/kg dry	420		BRL				50
4-Chloroaniline	BRL		µg/kg dry	420		BRL				50
2-Chloronaphthalene	BRL		µg/kg dry	420		BRL				50
2-Chlorophenol	BRL		µg/kg dry	420		BRL				50
4-Chlorophenyl phenyl ether	BRL		µg/kg dry	420		BRL				50
Chrysene	47.6	J	µg/kg dry	420		50.1			5	50
Dibenzo (a,h) anthracene	BRL		µg/kg dry	420		BRL				50
Dibenzofuran	BRL		µg/kg dry	420		BRL				50
1,2-Dichlorobenzene	BRL		µg/kg dry	420		BRL				50
1,3-Dichlorobenzene	BRL		µg/kg dry	420		BRL				50
1,4-Dichlorobenzene	BRL		µg/kg dry	420		BRL				50

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030013 - SW846 3550B										
Duplicate (8030013-DUP1) Source: SA75063-06										
Prepared: 03-Mar-08 Analyzed: 04-Mar-08										
3,3'-Dichlorobenzidine	BRL		µg/kg dry	420		BRL				50
2,4-Dichlorophenol	BRL		µg/kg dry	420		BRL				50
Diethyl phthalate	BRL		µg/kg dry	420		BRL				50
Dimethyl phthalate	BRL		µg/kg dry	420		BRL				50
2,4-Dimethylphenol	BRL		µg/kg dry	420		BRL				50
Di-n-butyl phthalate	BRL		µg/kg dry	420		BRL				50
4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	420		BRL				50
2,4-Dinitrophenol	BRL		µg/kg dry	420		BRL				50
2,4-Dinitrotoluene	BRL		µg/kg dry	420		BRL				50
2,6-Dinitrotoluene	BRL		µg/kg dry	420		BRL				50
Di-n-octyl phthalate	BRL		µg/kg dry	420		BRL				50
Fluoranthene	96.8	J	µg/kg dry	420		104			7	50
Fluorene	BRL		µg/kg dry	420		BRL				50
Hexachlorobenzene	BRL		µg/kg dry	420		BRL				50
Hexachlorobutadiene	BRL		µg/kg dry	420		BRL				50
Hexachlorocyclopentadiene	BRL		µg/kg dry	420		BRL				50
Hexachloroethane	BRL		µg/kg dry	420		BRL				50
Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	420		BRL				50
1-Methylnaphthalene	BRL		µg/kg dry	420		BRL				50
Isophorone	BRL		µg/kg dry	420		BRL				50
2-Methylnaphthalene	BRL		µg/kg dry	420		BRL				50
2-Methylphenol	BRL		µg/kg dry	420		BRL				50
3,4-Methylphenol	BRL		µg/kg dry	420		BRL				50
Naphthalene	BRL		µg/kg dry	420		BRL				50
2-Nitroaniline	BRL		µg/kg dry	420		BRL				50
3-Nitroaniline	BRL		µg/kg dry	420		BRL				50
4-Nitroaniline	BRL		µg/kg dry	1680		BRL				50
Nitrobenzene	BRL		µg/kg dry	420		BRL				50
2-Nitrophenol	BRL		µg/kg dry	420		BRL				50
4-Nitrophenol	BRL		µg/kg dry	1680		BRL				50
N-Nitrosodimethylamine	BRL		µg/kg dry	420		BRL				50
N-Nitrosodi-n-propylamine	BRL		µg/kg dry	420		BRL				50
N-Nitrosodiphenylamine	BRL		µg/kg dry	420		BRL				50
Pentachlorophenol	BRL		µg/kg dry	420		BRL				50
Phenanthrene	58.6	J	µg/kg dry	420		61.2			4	50
Phenol	BRL		µg/kg dry	420		BRL				50
Pyrene	82.4	J	µg/kg dry	420		87.5			6	50
Pyridine	BRL		µg/kg dry	420		BRL				50
1,2,4-Trichlorobenzene	BRL		µg/kg dry	420		BRL				50
2,4,5-Trichlorophenol	BRL		µg/kg dry	420		BRL				50
2,4,6-Trichlorophenol	BRL		µg/kg dry	420		BRL				50
Pentachloronitrobenzene	BRL		µg/kg dry	420		BRL				50
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	420		BRL				50
Surrogate: 2-Fluorobiphenyl	*1240*		µg/kg dry		*2120*		*58*	*30-130*		
Surrogate: 2-Fluorophenol	*1310*		µg/kg dry		*2120*		*62*	*15-110*		
Surrogate: Nitrobenzene-d5	*1080*		µg/kg dry		*2120*		*51*	*30-130*		
Surrogate: Phenol-d5	*1000*		µg/kg dry		*2120*		*47*	*15-110*		
Surrogate: Terphenyl-d14	*1320*		µg/kg dry		*2120*		*62*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1360*		µg/kg dry		*2120*		*64*	*15-110*		
Matrix Spike (8030013-MS1) Source: SA75063-06										

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030013 - SW846 3550B										
Prepared: 03-Mar-08 Analyzed: 04-Mar-08										
Acenaphthene	1300		µg/kg dry	205	2070	BRL	63	40-140		
Benzo (b) fluoranthene	1440		µg/kg dry	205	2070	BRL	70	40-140		
Benzo (k) fluoranthene	1400		µg/kg dry	205	2070	BRL	68	40-140		
4-Chloro-3-methylphenol	1330		µg/kg dry	205	2070	BRL	64	30-130		
2-Chlorophenol	1300		µg/kg dry	205	2070	BRL	63	30-130		
Chrysene	1490		µg/kg dry	205	2070	50.1	69	40-140		
1,4-Dichlorobenzene	1310		µg/kg dry	205	2070	BRL	63	40-140		
Indeno (1,2,3-cd) pyrene	1410		µg/kg dry	205	2070	BRL	68	40-140		
Naphthalene	1350		µg/kg dry	205	2070	BRL	65	40-140		
4-Nitrophenol	1290		µg/kg dry	820	2070	BRL	62	30-130		
N-Nitrosodi-n-propylamine	1280		µg/kg dry	205	2070	BRL	62	40-140		
Pentachlorophenol	1680		µg/kg dry	205	2070	BRL	81	30-130		
Phenol	1270		µg/kg dry	205	2070	BRL	61	30-130		
Pyrene	1580		µg/kg dry	205	2070	87.5	72	40-140		
1,2,4-Trichlorobenzene	1320		µg/kg dry	205	2070	BRL	64	40-140		
Matrix Spike Dup (8030013-MSD1) Source: SA75063-06										
Prepared: 03-Mar-08 Analyzed: 04-Mar-08										
Acenaphthene	1560		µg/kg dry	209	2110	BRL	74	40-140	16	30
Benzo (b) fluoranthene	1730		µg/kg dry	209	2110	BRL	82	40-140	17	30
Benzo (k) fluoranthene	1700		µg/kg dry	209	2110	BRL	81	40-140	18	30
4-Chloro-3-methylphenol	1600		µg/kg dry	209	2110	BRL	76	30-130	16	30
2-Chlorophenol	1420		µg/kg dry	209	2110	BRL	67	30-130	7	30
Chrysene	1740		µg/kg dry	209	2110	50.1	80	40-140	14	30
1,4-Dichlorobenzene	1420		µg/kg dry	209	2110	BRL	67	40-140	6	30
Indeno (1,2,3-cd) pyrene	1690		µg/kg dry	209	2110	BRL	80	40-140	16	30
Naphthalene	1510		µg/kg dry	209	2110	BRL	72	40-140	10	30
4-Nitrophenol	1280		µg/kg dry	835	2110	BRL	61	30-130	3	30
N-Nitrosodi-n-propylamine	1450		µg/kg dry	209	2110	BRL	69	40-140	11	30
Pentachlorophenol	2090		µg/kg dry	209	2110	BRL	99	30-130	20	30
Phenol	1440		µg/kg dry	209	2110	BRL	68	30-130	11	30
Pyrene	1790		µg/kg dry	209	2110	87.5	81	40-140	11	30
1,2,4-Trichlorobenzene	1500		µg/kg dry	209	2110	BRL	71	40-140	11	30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030012 - SW846 3545A										
Blank (8030012-BLK1)										
Prepared & Analyzed: 03-Mar-08										
PCB 1016	BRL		µg/kg wet	20.0						
PCB 1221	BRL		µg/kg wet	20.0						
PCB 1232	BRL		µg/kg wet	20.0						
PCB 1242	BRL		µg/kg wet	20.0						
PCB 1248	BRL		µg/kg wet	20.0						
PCB 1254	BRL		µg/kg wet	20.0						
PCB 1260	BRL		µg/kg wet	20.0						
PCB 1262	BRL		µg/kg wet	20.0						
PCB 1268	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*14.4*		µg/kg wet		*20.0*		*72*	*30-150*		
Surrogate: Decachlorobiphenyl(Sr)	*14.7*		µg/kg wet		*20.0*		*74*	*30-150*		
LCS (8030012-BS1)										
Prepared & Analyzed: 03-Mar-08										
PCB 1016	220		µg/kg wet	20.0				40-140		
PCB 1260	207		µg/kg wet	20.0				40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*13.5*		µg/kg wet		*20.0*		*68*	*30-150*		
Surrogate: Decachlorobiphenyl(Sr)	*14.2*		µg/kg wet		*20.0*		*71*	*30-150*		
LCS Dup (8030012-BSD1)										
Prepared & Analyzed: 03-Mar-08										
PCB 1016	229		µg/kg wet	20.0				40-140		30
PCB 1260	220		µg/kg wet	20.0				40-140		30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*14.0*		µg/kg wet		*20.0*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl(Sr)	*14.9*		µg/kg wet		*20.0*		*74*	*30-150*		
Duplicate (8030012-DUP1) Source: SA75063-06										
Prepared & Analyzed: 03-Mar-08										
PCB 1016	BRL		µg/kg dry	24.9		BRL				40
PCB 1221	BRL		µg/kg dry	24.9		BRL				40
PCB 1232	BRL		µg/kg dry	24.9		BRL				40
PCB 1242	BRL		µg/kg dry	24.9		BRL				40
PCB 1248	BRL		µg/kg dry	24.9		BRL				40
PCB 1254	BRL		µg/kg dry	24.9		BRL				40
PCB 1260	BRL		µg/kg dry	24.9		BRL				40
PCB 1262	BRL		µg/kg dry	24.9		BRL				40
PCB 1268	BRL		µg/kg dry	24.9		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.7*		µg/kg dry		*24.9*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl(Sr)	*19.4*		µg/kg dry		*24.9*		*78*	*30-150*		
Matrix Spike (8030012-MS1) Source: SA75063-06										
Prepared & Analyzed: 03-Mar-08										
PCB 1016	288		µg/kg dry	23.9		BRL		40-140		
PCB 1260	277		µg/kg dry	23.9		BRL		40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.4*		µg/kg dry		*23.8*		*77*	*30-150*		
Surrogate: Decachlorobiphenyl(Sr)	*19.5*		µg/kg dry		*23.8*		*82*	*30-150*		
Matrix Spike Dup (8030012-MSD1) Source: SA75063-06										
Prepared & Analyzed: 03-Mar-08										
PCB 1016	300		µg/kg dry	25.4		BRL		40-140		50
PCB 1260	283		µg/kg dry	25.4		BRL		40-140		50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.1*		µg/kg dry		*25.3*		*76*	*30-150*		
Surrogate: Decachlorobiphenyl(Sr)	*20.8*		µg/kg dry		*25.3*		*82*	*30-150*		
Batch 8030016 - SW846 3550B										

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030016 - SW846 3550B										
Blank (8030016-BLK1)										
Prepared & Analyzed: 03-Mar-08										
2,4,5-T	BRL		µg/kg wet	6.70						
2,4,5-T [2C]	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex)	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex) [2C]	BRL		µg/kg wet	6.70						
2,4-D	BRL		µg/kg wet	6.70						
2,4-D [2C]	BRL		µg/kg wet	6.70						
2,4-DB	BRL		µg/kg wet	6.70						
2,4-DB [2C]	BRL		µg/kg wet	6.70						
Dalapon	BRL		µg/kg wet	6.70						
Dalapon [2C]	BRL		µg/kg wet	6.70						
Dicamba	BRL		µg/kg wet	6.70						
Dicamba [2C]	BRL		µg/kg wet	6.70						
Dichlorprop	BRL		µg/kg wet	6.70						
Dichlorprop [2C]	BRL		µg/kg wet	6.70						
Dinoseb	BRL		µg/kg wet	6.70						
Dinoseb [2C]	BRL		µg/kg wet	6.70						
MCPA	BRL		µg/kg wet	670						
MCPA [2C]	BRL		µg/kg wet	670						
MCPB	BRL		µg/kg wet	670						
MCPB [2C]	BRL		µg/kg wet	670						
MCPP	BRL		µg/kg wet	670						
MCPP [2C]	BRL		µg/kg wet	670						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*4.93*		µg/kg wet		*13.3*		*37*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*4.53*		µg/kg wet		*13.3*		*34*	*30-150*		
LCS (8030016-BS1)										
Prepared & Analyzed: 03-Mar-08										
2,4,5-T	17.4		µg/kg wet	6.70	33.3		52	40-140		
2,4,5-T [2C]	14.7		µg/kg wet	6.70	33.3		44	40-140		
2,4,5-TP (Silvex)	19.7		µg/kg wet	6.70	33.3		59	40-140		
2,4,5-TP (Silvex) [2C]	18.1		µg/kg wet	6.70	33.3		54	40-140		
2,4-D	16.6		µg/kg wet	6.70	33.3		50	40-140		
2,4-D [2C]	3.47	Z-2	µg/kg wet	6.70	33.3		10	40-140		
2,4-DB	17.3		µg/kg wet	6.70	33.3		52	40-140		
2,4-DB [2C]	15.0		µg/kg wet	6.70	33.3		45	40-140		
Dalapon	17.7		µg/kg wet	6.70	33.3		53	40-140		
Dalapon [2C]	21.2		µg/kg wet	6.70	33.3		64	40-140		
Dicamba	19.3		µg/kg wet	6.70	33.3		58	40-140		
Dicamba [2C]	17.8		µg/kg wet	6.70	33.3		53	40-140		
Dichlorprop	18.2		µg/kg wet	6.70	33.3		55	40-140		
Dichlorprop [2C]	14.9		µg/kg wet	6.70	33.3		45	40-140		
Dinoseb	20.0		µg/kg wet	6.70	33.3		60	40-140		
Dinoseb [2C]	17.9		µg/kg wet	6.70	33.3		54	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*6.00*		µg/kg wet		*13.3*		*45*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*6.07*		µg/kg wet		*13.3*		*46*	*30-150*		
LCS (8030016-BS2)										
Prepared & Analyzed: 03-Mar-08										
MCPA	5800		µg/kg wet	670	10000		58	40-140		
MCPA [2C]	7470		µg/kg wet	670	10000		75	40-140		
MCPB	6000		µg/kg wet	670	10000		60	40-140		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030016 - SW846 3550B										
LCS (8030016-BS2)										
Prepared & Analyzed: 03-Mar-08										
MCPB [2C]	8470		µg/kg wet	670	10000		85	40-140		
MCPP	6530		µg/kg wet	670	10000		65	40-140		
MCPP [2C]	6470		µg/kg wet	670	10000		65	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*6.00*		µg/kg wet		*13.3*		*45*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*7.53*		µg/kg wet		*13.3*		*57*	*30-150*		
LCS Dup (8030016-BSD1)										
Prepared & Analyzed: 03-Mar-08										
2,4,5-T	19.2		µg/kg wet	6.70	33.3		58	40-140	10	25
2,4,5-T [2C]	16.2		µg/kg wet	6.70	33.3		49	40-140	9	25
2,4,5-TP (Silvex)	22.1		µg/kg wet	6.70	33.3		66	40-140	11	25
2,4,5-TP (Silvex) [2C]	18.9		µg/kg wet	6.70	33.3		57	40-140	4	25
2,4-D	16.9		µg/kg wet	6.70	33.3		51	40-140	2	25
2,4-D [2C]	4.67	Z-2	µg/kg wet	6.70	33.3		14	40-140	30	25
2,4-DB	17.8		µg/kg wet	6.70	33.3		53	40-140	3	25
2,4-DB [2C]	16.1		µg/kg wet	6.70	33.3		48	40-140	7	25
Dalapon	17.6		µg/kg wet	6.70	33.3		53	40-140	0.4	25
Dalapon [2C]	20.8		µg/kg wet	6.70	33.3		62	40-140	2	25
Dicamba	20.2		µg/kg wet	6.70	33.3		61	40-140	4	25
Dicamba [2C]	17.7		µg/kg wet	6.70	33.3		53	40-140	0.4	25
Dichlorprop	18.1		µg/kg wet	6.70	33.3		54	40-140	0.7	25
Dichlorprop [2C]	15.7		µg/kg wet	6.70	33.3		47	40-140	5	25
Dinoseb	22.7		µg/kg wet	6.70	33.3		68	40-140	13	25
Dinoseb [2C]	19.1		µg/kg wet	6.70	33.3		57	40-140	6	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*6.40*		µg/kg wet		*13.3*		*48*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*6.33*		µg/kg wet		*13.3*		*48*	*30-150*		
LCS Dup (8030016-BSD2)										
Prepared & Analyzed: 03-Mar-08										
MCPA	5870		µg/kg wet	670	10000		59	40-140	1	25
MCPA [2C]	7730		µg/kg wet	670	10000		77	40-140	4	25
MCPB	5930		µg/kg wet	670	10000		59	40-140	1	25
MCPB [2C]	8870		µg/kg wet	670	10000		89	40-140	5	25
MCPP	5930		µg/kg wet	670	10000		59	40-140	10	25
MCPP [2C]	6600		µg/kg wet	670	10000		66	40-140	2	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*5.67*		µg/kg wet		*13.3*		*43*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*7.47*		µg/kg wet		*13.3*		*56*	*30-150*		
Duplicate (8030016-DUP1) **Source: SA75063-06**										
Prepared & Analyzed: 03-Mar-08										
2,4,5-T	BRL		µg/kg dry	6.70		BRL				30
2,4,5-T [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex) [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-D	BRL		µg/kg dry	6.70		BRL				30
2,4-D [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-DB	BRL		µg/kg dry	6.70		BRL				30
2,4-DB [2C]	BRL		µg/kg dry	6.70		BRL				30
Dalapon	BRL		µg/kg dry	6.70		BRL				30
Dalapon [2C]	BRL		µg/kg dry	6.70		BRL				30
Dicamba	BRL		µg/kg dry	6.70		BRL				30
Dicamba [2C]	BRL		µg/kg dry	6.70		BRL				30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units'	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030016 - SW846 3550B										
Duplicate (8030016-DUP1) Source: SA75063-06										
Prepared & Analyzed: 03-Mar-08										
Dichlorprop	BRL		µg/kg dry	6.70		BRL				30
Dichlorprop [2C]	BRL		µg/kg dry	6.70		BRL				30
Dinoseb	BRL		µg/kg dry	6.70		BRL				30
Dinoseb [2C]	BRL		µg/kg dry	6.70		BRL				30
MCPA	BRL		µg/kg dry	670		BRL				30
MCPA [2C]	BRL		µg/kg dry	670		BRL				30
MCPB	BRL		µg/kg dry	670		BRL				30
MCPB [2C]	BRL		µg/kg dry	670		BRL				30
MCPP	BRL		µg/kg dry	670		BRL				30
MCPP [2C]	BRL		µg/kg dry	670		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*5.08*		µg/kg dry		*16.4*		*31*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*4.42*	Z-2	µg/kg dry		*16.4*		*27*	*30-150*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030014 - SW846 3550B										
Blank (8030014-BLK1)										
Prepared: 03-Mar-08 Analyzed: 04-Mar-08										
Gasoline	BRL		mg/kg wet	13.3						
Fuel Oil #2	BRL		mg/kg wet	13.3						
Fuel Oil #4	BRL		mg/kg wet	13.3						
Fuel Oil #6	BRL		mg/kg wet	13.3						
Motor Oil	BRL		mg/kg wet	13.3						
Aviation Fuel	BRL		mg/kg wet	13.3						
Unidentified	BRL		mg/kg wet	13.3						
Other Oil	BRL		mg/kg wet	13.3						
Total Petroleum Hydrocarbons	BRL		mg/kg wet	13.3						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*2.12*		mg/kg wet		*3.33*		*64*	*50-150*		
LCS (8030014-BS1)										
Prepared: 03-Mar-08 Analyzed: 04-Mar-08										
C9-C36 Aliphatic Hydrocarbons	68.7		mg/kg wet	13.3	93.3		74	60-120		
Surrogate: 1-Chlorooctadecane	*2.39*		mg/kg wet		*3.33*		*72*	*50-150*		
Duplicate (8030014-DUP1) **Source: SA75063-06**										
Prepared: 03-Mar-08 Analyzed: 04-Mar-08										
Gasoline	BRL		mg/kg dry	16.9		BRL				50
Fuel Oil #2	BRL		mg/kg dry	16.9		BRL				50
Fuel Oil #4	BRL		mg/kg dry	16.9		BRL				50
Fuel Oil #6	BRL		mg/kg dry	16.9		BRL				50
Motor Oil	BRL		mg/kg dry	16.9		BRL				50
Aviation Fuel	BRL		mg/kg dry	16.9		BRL				50
Unidentified	BRL		mg/kg dry	16.9		BRL				50
Other Oil	BRL		mg/kg dry	16.9		BRL				50
Total Petroleum Hydrocarbons	BRL		mg/kg dry	16.9		BRL				50
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	16.9		BRL				50
Surrogate: 1-Chlorooctadecane	*1.36*		mg/kg dry		*2.12*		*64*	*50-150*		
Matrix Spike (8030014-MS1) **Source: SA75063-06**										
Prepared: 03-Mar-08 Analyzed: 04-Mar-08										
C9-C36 Aliphatic Hydrocarbons	43.5		mg/kg dry	8.5	59.5	BRL	73	50-150		
Surrogate: 1-Chlorooctadecane	*1.43*		mg/kg dry		*2.12*		*67*	*50-150*		
Matrix Spike Dup (8030014-MSD1) **Source: SA75063-06**										
Prepared: 03-Mar-08 Analyzed: 04-Mar-08										
C9-C36 Aliphatic Hydrocarbons	42.9		mg/kg dry	8.4	59.3	BRL	72	50-150	1	30
Surrogate: 1-Chlorooctadecane	*1.40*		mg/kg dry		*2.12*		*66*	*50-150*		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8021951 - SW846 3050B										
Blank (8021951-BLK1)										
Prepared: 01-Mar-08 Analyzed: 03-Mar-08										
Lead	BRL		mg/kg wet	1.45						
Selenium	BRL		mg/kg wet	1.45						
Arsenic	BRL		mg/kg wet	1.45						
Cadmium	BRL		mg/kg wet	0.482						
Chromium	BRL		mg/kg wet	0.964						
Silver	BRL		mg/kg wet	1.45						
Barium	BRL		mg/kg wet	0.964						
Duplicate (8021951-DUP1) Source: SA75055-02										
Prepared: 01-Mar-08 Analyzed: 03-Mar-08										
Lead	2.70		mg/kg dry	1.37		2.78			3	20
Selenium	0.352	J	mg/kg dry	1.37		0.298			17	20
Chromium	4.78		mg/kg dry	0.913		5.12			7	20
Cadmium	0.123	J,QR8	mg/kg dry	0.457		0.155			23	20
Silver	BRL		mg/kg dry	1.37		BRL				20
Arsenic	0.434	J,QR8	mg/kg dry	1.37		0.949			75	20
Barium	23.1		mg/kg dry	0.913		26.6			14	20
Matrix Spike (8021951-MS1) Source: SA75055-08										
Prepared: 01-Mar-08 Analyzed: 03-Mar-08										
Selenium	108		mg/kg dry	1.34	112	0.409	96	75-125		
Lead	106		mg/kg dry	1.34	112	4.27	91	75-125		
Cadmium	107		mg/kg dry	0.447	112	0.175	96	75-125		
Chromium	113		mg/kg dry	0.894	112	5.15	96	75-125		
Silver	89.4		mg/kg dry	1.34	112	BRL	80	75-125		
Arsenic	109		mg/kg dry	1.34	112	0.799	97	75-125		
Barium	144		mg/kg dry	0.894	112	27.3	105	75-125		
Matrix Spike Dup (8021951-MSD1) Source: SA75055-08										
Prepared: 01-Mar-08 Analyzed: 03-Mar-08										
Lead	120		mg/kg dry	1.49	124	4.27	94	75-125	13	35
Selenium	119		mg/kg dry	1.49	124	0.409	95	75-125	9	35
Arsenic	121		mg/kg dry	1.49	124	0.799	97	75-125	10	35
Cadmium	120		mg/kg dry	0.495	124	0.175	96	75-125	11	35
Chromium	127		mg/kg dry	0.991	124	5.15	99	75-125	12	35
Silver	102		mg/kg dry	1.49	124	BRL	82	75-125	13	35
Barium	154		mg/kg dry	0.991	124	27.3	103	75-125	7	35
Post Spike (8021951-PS1) Source: SA75055-08										
Prepared: 01-Mar-08 Analyzed: 03-Mar-08										
Lead	111		mg/kg dry	1.40	117	4.27	91	80-120		
Selenium	116		mg/kg dry	1.40	117	0.409	99	80-120		
Cadmium	114		mg/kg dry	0.468	117	0.175	97	80-120		
Arsenic	116		mg/kg dry	1.40	117	0.799	99	80-120		
Chromium	117		mg/kg dry	0.937	117	5.15	96	80-120		
Silver	114		mg/kg dry	1.40	117	BRL	98	80-120		
Barium	136		mg/kg dry	0.937	117	27.3	93	80-120		
Reference (8021951-SRM1)										
Prepared: 01-Mar-08 Analyzed: 03-Mar-08										
Selenium	46.0		mg/kg wet	1.50	47.4		97	76.8-123.3		
Lead	75.4		mg/kg wet	1.50	84.6		89	81.5-118.5		

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8021951 - SW846 3050B										
Reference (8021951-SRM1)										
Prepared: 01-Mar-08 Analyzed: 03-Mar-08										
Silver	37.6		mg/kg wet	1.50	40.9		92	66.3-133		
Arsenic	64.4		mg/kg wet	1.50	67.0		96	80.5-120.3		
Chromium	103		mg/kg wet	1.00	110		93	81.7-117.8		
Cadmium	47.5		mg/kg wet	0.500	51.9		92	82.8-116.5		
Barium	113		mg/kg wet	1.00	114		99	81.4-118.6		
Reference (8021951-SRM2)										
Prepared: 01-Mar-08 Analyzed: 03-Mar-08										
Selenium	50.0		mg/kg wet	1.50	48.8		102	76.8-123.3		
Lead	82.4		mg/kg wet	1.50	87.1		95	81.5-118.5		
Cadmium	52.9		mg/kg wet	0.500	53.4		99	82.8-116.5		
Chromium	116		mg/kg wet	1.00	114		103	81.7-117.8		
Silver	41.6		mg/kg wet	1.50	42.1		99	66.3-133		
Arsenic	69.8		mg/kg wet	1.50	69.0		101	80.5-120.3		
Barium	120		mg/kg wet	1.00	117		102	81.4-118.6		
Batch 8021952 - EPA200/SW7000 Series										
Blank (8021952-BLK1)										
Prepared: 01-Mar-08 Analyzed: 03-Mar-08										
Mercury	BRL		mg/kg wet	0.0293						
Duplicate (8021952-DUP1) Source: SA75055-02										
Prepared: 01-Mar-08 Analyzed: 03-Mar-08										
Mercury	BRL		mg/kg dry	0.0276		BRL				20
Matrix Spike (8021952-MS1) Source: SA75055-08										
Prepared: 01-Mar-08 Analyzed: 03-Mar-08										
Mercury	0.327		mg/kg dry	0.0285	0.396	BRL	83	75-125		
Matrix Spike Dup (8021952-MSD1) Source: SA75055-08										
Prepared: 01-Mar-08 Analyzed: 03-Mar-08										
Mercury	0.319		mg/kg dry	0.0274	0.380	BRL	84	75-125	3	35
Reference (8021952-SRM1)										
Prepared: 01-Mar-08 Analyzed: 03-Mar-08										
Mercury	1.75		mg/kg wet	0.0300	1.62		108	71.2-128.7		

SPLP Metals by EPA 1312 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8030483 - SW846 3010A										
Blank (8030483-BLK1)										
Prepared: 08-Mar-08 Analyzed: 11-Mar-08										
Lead	BRL		mg/l	0.0150						
Chromium	BRL		mg/l	0.0100						
LCS (8030483-BS1)										
Prepared: 08-Mar-08 Analyzed: 10-Mar-08										
Lead	2.36		mg/l	0.0150	2.50		94	76.9-112		
Chromium	2.46		mg/l	0.0100	2.50		99	83.6-112		
LCS Dup (8030483-BSD1)										
Prepared: 08-Mar-08 Analyzed: 10-Mar-08										
Lead	2.41		mg/l	0.0150	2.50		97	76.9-112	2	20
Chromium	2.52		mg/l	0.0100	2.50		101	83.6-112	2	20
Duplicate (8030483-DUP1) Source: SA75063-01										
Prepared: 08-Mar-08 Analyzed: 12-Mar-08										
Lead	0.0058	J,QR8	mg/l	0.0150		BRL				20
Chromium	BRL		mg/l	0.0100		BRL				20
Matrix Spike (8030483-MS1) Source: SA75063-01										
Prepared: 08-Mar-08 Analyzed: 10-Mar-08										
Lead	2.23		mg/l	0.0150	2.50	BRL	89	76.9-110		
Chromium	2.34		mg/l	0.0100	2.50	BRL	94	83-112		
Matrix Spike Dup (8030483-MSD1) Source: SA75063-01										
Prepared: 08-Mar-08 Analyzed: 10-Mar-08										
Lead	2.32		mg/l	0.0150	2.50	BRL	93	76.9-110	4	35
Chromium	2.43		mg/l	0.0100	2.50	BRL	97	83-112	4	35
Post Spike (8030483-PS1) Source: SA75063-01										
Prepared: 08-Mar-08 Analyzed: 10-Mar-08										
Lead	2.41		mg/l	0.0150	2.50	BRL	96	65.7-125		
Chromium	2.54		mg/l	0.0100	2.50	BRL	102	70.3-127		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8021961 - General Preparation										
Duplicate (8021961-DUP1) Source: SA75060-10										
Prepared & Analyzed: 29-Feb-08										
% Solids	56.9		%			57.5			1	20

Notes and Definitions

QC1	Analyte out of acceptance range.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample
QR8	Analyses are not controlled on RPD values from sample concentrations that are less than5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit
VC10	The VOC field preserved soil sample is not within the 1:1 weight to volume ratio as recommended by SW846 methods 5030 and 5035 but may be within the 1:1 volume to volume ratio. This variance may affect the final reporting limit
Z-2	The response for the confirmation column was out of acceptance limits The primary column was used for all data Samples were BDL.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC

Interpretation of Total Petroleum Hydrocarbon Report

Petroleum identification is determined by comparing the GC fingerprint obtained from the sample with a library of GC fingerprints obtained from analyses of various petroleum products Possible match categories are as follows:

Gasoline - includes regular, unleaded, premium, etc.
Fuel Oil #2 - includes home heating oil, #2 fuel oil, and diesel
Fuel Oil #4 - includes #4 fuel oil
Fuel Oil #6 - includes #6 fuel oil and bunker "C" oil
Motor Oil - includes virgin, waste automobile oil and hydraulic oil
Ligroin - includes mineral spirits, petroleum naphtha, vm&p naphtha
Aviation Fuel - includes kerosene, Jet A and JP-4
Other Oil - includes lubricating and cutting oil, and silicon oil

At times, the unidentified petroleum product is quantified using a calibration that most closely approximates the distribution of compounds in the sample. When this occurs, the result is qualified as *TPH (Calculated as).

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure The method blank is used to document contamination resulting from the analytical process

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
Rebecca Merz

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc. - Agawam, MA
Client: Tetra Tech Rizzo - Hartford, CT
Project Location: Bridge #08283R-Naugatuck, CT
Project Number: 127-17797-08008
Sampling Date(s):
27-Feb-08
Laboratory Sample ID(s):
SA75063-01 through SA75063-06

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	☑ Yes ☐ No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (4° C ± 2°)?	☑ Yes ☐ No
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5	a) Were reporting limits specified or referenced on the chain-of-custody? * b) Were these reporting limits met? * *Exceptions are defined by qualifiers*	☑ Yes ☐ No ☑ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☑ Yes ☐ No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1 is "No", the data package does not meet the requirements for "Reasonable Confidence."

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for obtaining the information contained in this analytical report, such information is accurate and complete.

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Date: 3/13/2008

SA 750603

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
☒ Standard TAT - 7 to 10 business days
☐ Rush TAT - Date Needed: _____
· All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
· Samples disposed of after 60 days unless otherwise instructed.

Report To: Tetra Tech Rizzo
150 Trumbull St.
Hartford, CT
06103
Project Mgr.: David Brassard

Invoice To: DAS Contract
P.O. No.: _____ RQN: _____

Project No.: 127-17797-08008
Site Name: Bridge#08283R
Location: Naugatuck State: CT
Sampler(s): Adam L Stannard

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9= DI H_2O 10= _____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		VOCs 8260	SVOCs 8270	CT ETPH	PCBs 8080	Herbicides 8151	Total RCRA 8 Metals	SPLP Pb	SPLP Cr	QA Reporting Notes: (check if needed)
750603-01	B-5 (0-2')	2/27/08	0815	G	SO	7.9	3	2				X	X	X	X	X	X	X	X	Hold addt'l samples pending further analysis
-02	B-5 (5-7')	↓	0830	↓	↓	↓	↓	↓												
-03	B-6 (0-2')	↓	1130	↓	↓	↓	2	↓				X	X	X	X	X	X			One DI received broken
-04	B-6 (5-12')	↓	1200	↓	↓	↓	↓	↓												
-05	TP-5 (1-1.5')	↓	0900	↓	↓	↓	↓	↓				X	X	X	X	X	X			
-06	TP-6 (1-3')	↓	0820	↓	↓	↓	↓	↓				X	X	X	X	X	X			

ADDED ANALYSIS 4/4/08 CK
see attached

☐ Fax results when available to (____) _____
☒ E-mail to David.Brassard@Tetratech.com
Adam.Stannard
EDD Format _____

Condition upon receipt: ☐ Iced ☐ Ambient ☒ °C 3.7

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	2/27/08	1400
[signature]	[signature]	2/28/08	1615

Appendix D

TETRA TECH RIZZO

BORING NUMBER B-1

CLIENT Connecticut Department of Transportation
PROJECT NAME Three Metro North Railroad Bridges
PROJECT NUMBER 127-17797-08008
PROJECT LOCATION Naugatuck and Beacon Falls, Connecticut
DATE STARTED 2/25/08 **COMPLETED** 2/25/08
GROUND ELEVATION **HOLE SIZE** 4.25"
DRILLING CONTRACTOR SoilTesting, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Adam L. Stannard **CHECKED BY** Adam L. Stannard
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION
0	SS	29	2.0	Brown to dark brown, cf SAND and SILT, loose, dry, no staining, no odors
5	SS	42	7.0	Light brown, mc SAND, some silt, loose, dry, no staining, no odors
10	SS	33	12.0	Light brown, mc SAND and GRAVEL, some rounded cobbles, no staining, no odors
15	SS	54	17.0	Orange-brown to gray, c SAND and GRAVEL, some crushed rock, no staining, no odors
20	SS	75		Brown c SAND and GRAVEL, saturated, EOB @ 32'
25	SS	50		
30	SS	42	32.0	

Bottom of hole at 32.0 feet.

GENERAL BH / TP / WELL 127-17797-08008.GPJ GINT US.GDT 4/21/08

TETRA TECH RIZZO

BORING NUMBER B-2

CLIENT Connecticut Department of Transportation
PROJECT NAME Three Metro North Railroad Bridges
PROJECT NUMBER 127-17797-08008
PROJECT LOCATION Naugatuck and Beacon Falls, Connecticut
DATE STARTED 2/26/08 **COMPLETED** 2/26/08
GROUND ELEVATION ---
HOLE SIZE 4.25"
DRILLING CONTRACTOR SoilTesting, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Adam L. Stannard **CHECKED BY** Adam L. Stannard
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION
0	SS	17	4.0	Brown, vf SAND and SILT, loose, moist, no sheen, no odor, trace organics
5	SS	38	7.0	Brown, coarse SAND, some silt, some angular cobbles, saturated, no staining, no sheen, no odor
10	SS	83	12.0	Light brown, c SAND, trace silt, some gravel, trace large angular cobbles, saturated, no sheen, no staining, no odor
15	SS	58	17.0	Light brown, c SAND, some silt, some gravel, trace fractured angular cobbles, saturated, no staining, no sheen, no odor
			20.0	Augered through boulder
20	SS	38	22.0	Light brown, c SAND, some silt, some gravel, trace fractured angular cobbles, saturated, no staining, no sheen, no odor
25	SS	38	27.0	Light brown SAND and GRAVEL, some angular cobbles, loose, dry, no staining, no odors
				Bottom of hole at 27.0 feet.

TETRA TECH RIZZO

BORING NUMBER B-3

CLIENT Connecticut Department of Transportation
PROJECT NAME Three Metro North Railroad Bridges
PROJECT NUMBER 127-17797-08008
PROJECT LOCATION Naugatuck and Beacon Falls, Connecticut
DATE STARTED 2/28/08 **COMPLETED** 2/28/08
GROUND ELEVATION ____ **HOLE SIZE** 4.25"
DRILLING CONTRACTOR SoilTesting, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Adam L. Stannard **CHECKED BY** Adam L. Stannard
AT END OF DRILLING ---
NOTES ____
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION
0	SS	33		Brown cm SAND, trace gravel, trace silt, loose, dry, no staining, no odors
2.0				
5	SS	29		Brown cm SAND, some gravel, trace silt, loose, dry, no staining, no odor
7.0				
10	SS	92		Brown f SAND, loose, moist, no staining, no odors
12.0				Augered to 32', EOB @ 32'
15				
20				
25				
30				
32.0				

Bottom of hole at 32.0 feet.

TETRA TECH RIZZO

BORING NUMBER B-4

CLIENT Connecticut Department of Transportation
PROJECT NAME Three Metro North Railroad Bridges
PROJECT NUMBER 127-17797-08008
PROJECT LOCATION Naugatuck and Beacon Falls, Connecticut
DATE STARTED 2/28/08 **COMPLETED** 2/28/08
GROUND ELEVATION ---
HOLE SIZE 4.25"
DRILLING CONTRACTOR SoilTesting, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Adam L. Stannard **CHECKED BY** Adam L. Stannard
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION
0	SS	21	2.0	Brown c SAND and GRAVEL, trace silt, some cobbles, saturated, no staining, no odors
5	SS	50		Brown c SAND and GRAVEL, some cobbles, no staining, no odors
10	SS	8	12.0	
				Bottom of hole at 12.0 feet.

TETRA TECH RIZZO

BORING NUMBER B-5

CLIENT Connecticut Department of Transportation
PROJECT NAME Three Metro North Railroad Bridges
PROJECT NUMBER 127-17797-08008
PROJECT LOCATION Naugatuck and Beacon Falls, Connecticut
DATE STARTED 2/27/08 **COMPLETED** 2/27/08
GROUND ELEVATION ___ **HOLE SIZE** 4.25"
DRILLING CONTRACTOR SoilTesting, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Adam L. Stannard **CHECKED BY** Adam L. Stannard
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION
0	SS	75	0.5	Topsoil Brown SILT, trace vf sand, loose, dry, no staining, no odors
2.0				
5	SS	50	7.0	Light brown, mc SAND and GRAVEL, little small angular cobbles, trace silt, saturated, no staining, no odors
10	SS	38	12.0	Brown mc SAND and GRAVEL, trace small angular cobbles, saturated, no staining, no odors
15	SS	79		Tan, vf SAND and SILT, loose, saturated, no staining, no odors, EOB @ 32'
20	SS	100		
25	SS	42		
30	SS	42	32.0	

Bottom of hole at 32.0 feet.

TETRA TECH RIZZO

BORING NUMBER B-6

CLIENT Connecticut Department of Transportation
PROJECT NAME Three Metro North Railroad Bridges
PROJECT NUMBER 127-17797-08008
PROJECT LOCATION Naugatuck and Beacon Falls, Connecticut
DATE STARTED 2/27/08 **COMPLETED** 2/27/08
GROUND ELEVATION ---
HOLE SIZE 4.25"
DRILLING CONTRACTOR SoilTesting, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Adam L. Stannard **CHECKED BY** Adam L. Stannard
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION
0	SS	58	0.5	Topsoil
			1.3	Brown mf SAND, trace silt, loose, dry, no staining, no odors
			2.0	Light brown c SAND and GRAVEL, loose, dry, no staining, no odors
5	SS	58	6.0	Brown c SAND, trace gravel, loose, saturated, no staining, no odor
				Dark brown, c SAND and GRAVEL, saturated, no odor, no staining
10	SS	92	11.5	
			12.0	Light brown, c SAND and GRAVEL, some interbedded cobbles, saturated, no staining, no odor
15	SS	63	17.0	Brown vf SAND, some silt, trace gravel, loose, saturated, no staining, no odors

Bottom of hole at 17.0 feet.