Task 210 - Subsurface Site Investigation - Draft
Sigourney Street and Hawthorn Street Intersection
Hartford, Connecticut

Submitted to:
Connecticut Department of Transportation

December 8, 2009

TETRA TECH RIZZO

December 8, 2009

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Attention: Ms. Judith Nemecek / Ms. Amie Maines

Re: Task 210 – Subsurface Site Investigation – DRAFT
DOT Project No.: 0171-0305
DOT Assignment No.: 403-3526
TtR Project No.: 127-17797-09015
Sigourney Street and Hawthorn Street Intersection
Hartford, Connecticut

Dear Mr. Dorosh:

Tetra Tech Rizzo (Tetra Tech) is pleased to submit this report summarizing the findings of the Task 210 – Subsurface Site Investigation conducted at the intersection of Sigourney Street and Hawthorn Street in Hartford, Connecticut (hereinafter referred to as the "Site"). This report was prepared to evaluate the Site for evidence of a release of oil and/or hazardous materials. The investigation included the advancement of 13 soil borings and the collection and analysis of 16 soil samples and one groundwater sample. Soil and groundwater sampling analytical results are compared to the Connecticut Department of Environmental Protection's (DEP's) Remediation Standard Regulations (RSRs). The results and recommendations are presented in the attached report. Please contact us if you have any questions concerning this report.

Very truly yours,

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Senior Project Geologist

David T. Williams, CPG, LEP
Project Manager

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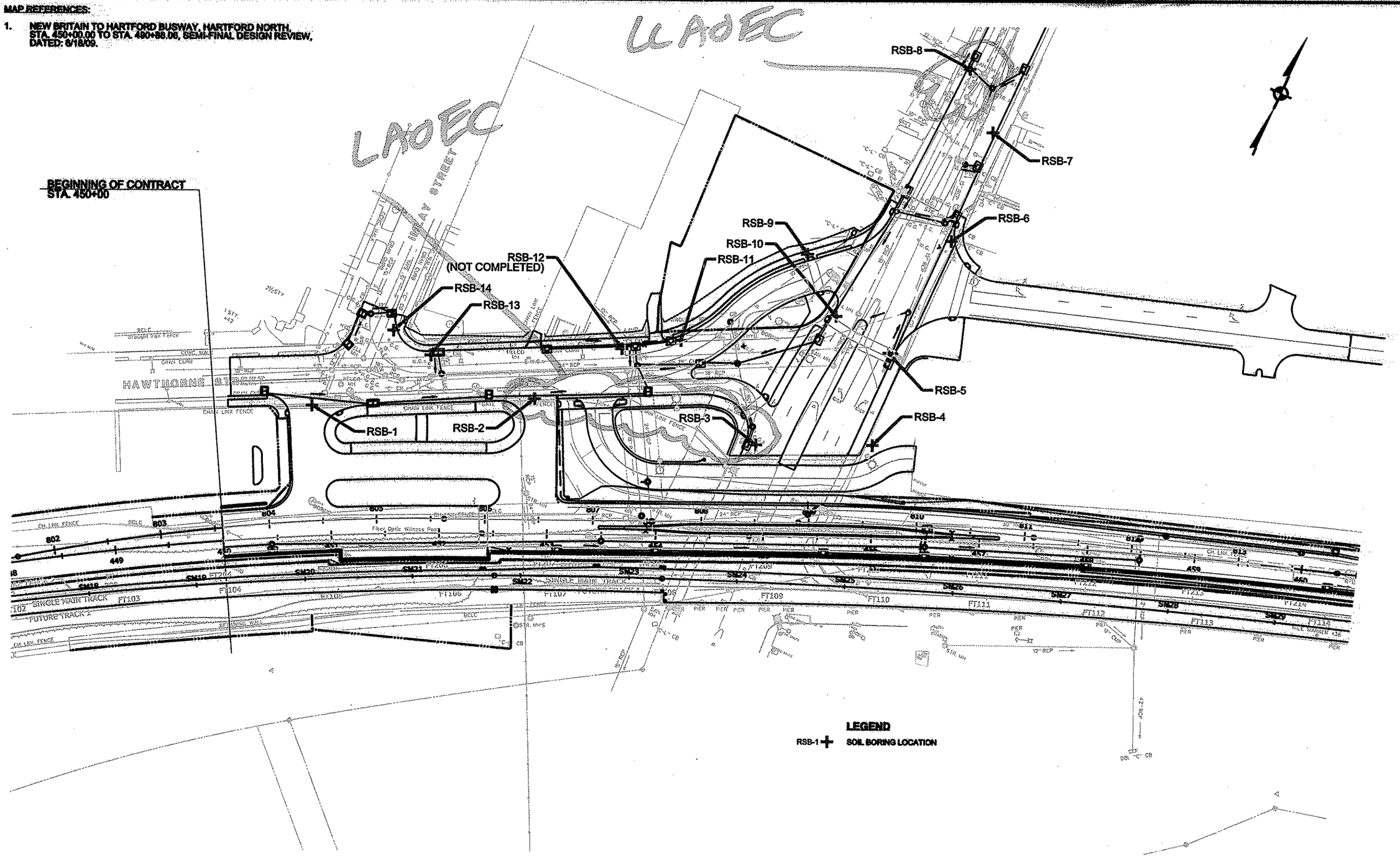
MAP REFERENCES:

1. NEW BRITAIN TO HARTFORD BUSWAY, HARTFORD NORTH, STA. 450+00.00 TO STA. 490+88.06, SEMI-FINAL DESIGN REVIEW, DATED: 6/18/09.



REV.	DATE	DESCRIPTION REVISIONS	SHEET NO.

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SCALE 1"=40'

DESIGNER: D. WILLIAMS
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STATE OF CONECTICUT
DEPARTMENT OF TRANSPORTATION

ENGINEER: TETRA TECH RIZZO, INC.
APPROVED BY: DATE:

TETRA TECH RIZZO

PROJECT TITLE: SIGOURNEY/HAWTHORNE STREET STATION NEW BRITAIN – HARTFORD BUSWAY

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1.0 Introduction

On behalf of the Connecticut Department of Transportation (CT DOT), Tetra Tech Rizzo (Tetra Tech) has prepared this Task 210 - Subsurface Site Investigation for the intersection of Sigourney Street and Hawthorn Street in Hartford, Connecticut (**Figure 1**).

The objective of this investigation was to verify the presence or absence of subsurface contamination on the Site and to establish areas of environmental concern (AOECs), if applicable. Soil analytical data collected during the investigation is compared to the criteria prescribed in the Connecticut Remediation Standard Regulations (RSRs) (Regulations of the Connecticut State Agencies Sections 22a-133k-1 through 3 and 22a-133q-1). This investigation was conducted in accordance with the DEP's Reasonable Confidence Protocols.

The Site area is not considered an Establishment as defined under Connecticut General Statutes 22a-134 to 134(d), as amended (the Connecticut Transfer Act) and therefore, the RSRs are used indirectly to assess the environmental quality of soil and groundwater and not to assess regulatory compliance.

1.1 Project Description

The Site is part of the location of the proposed Sigourney Street Bus Station for the CT DOT's New Britain-Hartford Busway, a 9.4 mile commuter busway that will run between New Britain and Hartford, Connecticut. The busway will be serviced by approximately 11 bus stations including the Sigourney Street Bus Station. The Site is comprised of the intersection of Sigourney Street and Hawthorn Street, plus sections of Sigourney Street heading north, Hawthorn Street heading west and the southern portion of Inlay Street. CT DOT plans to reconfigure the intersection and install new drainage features in the Site area. Soil boring locations for the Site are presented on **Figure 2**.

The DEP's "Environmental GIS Data for Connecticut" (DEP, 2005) classifies groundwater in the project area as "GB". The GB designation indicates that groundwater may not be suitable for consumption due to waste discharges, spills or leaks of chemicals, or other land use impacts, and that a public water supply is available. The Site and its surrounding properties are reportedly connected to the public water supply system.

The Surficial Materials Map of Connecticut (Janet Radway Stone, and others 1992) indicates that soils in the vicinity of the Site are classified as "Fines".

The Bedrock Geological Map of Connecticut (John Rodgers, 1985) indicates that the bedrock underlying the Site is classified as Portland Arkose.

The Site is located within the Park River sub-region, within the Connecticut River Major Basin. The Site slopes downward gradually to the north and west from the intersection of Sigourney Street and Hawthorn Street.

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 DOT for use in an environmental evaluation of the Site.

2.0 Applicable RSR Criteria Overview

2.1 Soil

Using the Connecticut RSRs, soil is located within an Area of Environmental Concern (AOEC) when contaminants are detected at concentrations that exceed either the Direct Exposure Criteria (DEC) or the Pollutant Mobility Criteria (PMC).

2.1.1 Direct Exposure Criteria

The DEC 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 (I/C DEC) and residential (R DEC).

2.1.2 Pollutant Mobility Criteria

The PMC were established to identify the potential risk to groundwater represented by contaminants leaching from soil located above the water table and depends upon the groundwater classification of the area (GA versus GB). The classification for groundwater at the Site is GB. Therefore, the analytical data collected during this investigation is compared to the GB PMC.

2.2 Groundwater

Groundwater was encountered between 4 and 8-fbg (feet below grade). The groundwater table in many soil borings was difficult to determine due to dense clay and sand.

Groundwater beneath the Site is classified by the DEP as GB. This Task 210 Subsurface Investigation was prepared in accordance with the RSR criteria applicable to areas with GB classified groundwater.

2.2.1 Groundwater Protection Criteria (GWPC)

The Ground Water Protection Criteria (GWPC) was established to protect the quality of groundwater that has the potential to be a source of water supply. The Site is classified GB, therefore the GWPC is not applicable to the Site.

2.2.2 Surface Water Protection Criteria (SWPC)

The SWPC was established to protect the quality of surface waters for which groundwater discharges to. The Park River, a C/B classified surface water body, is located approximately 1,000 feet south of the Site. C/B classified surface water bodies, as defined by the DEP, do not meet one or more designated uses or Water Quality Criteria due to point or non-point sources of pollution (DEP, "Water Quality Standards", Effective April 8, 1997).

3.0 Scope of Investigation

Project activities included the advancement of 13 soil borings, analysis of 16 soil samples, and analysis of one groundwater sample.

3.1 Drilling

On November 4, 2009, a total of 13 soil borings, designated RSB-1 through 14 (RSB-12 was not conducted due to the presence of numerous utilities in its vicinity), were advanced across the Site to characterize soil and assess potential environmental impacts. Logical Environmental Solutions of Tolland, Connecticut was retained to provide the services of a Geoprobe® direct push drill rig, which advances a 4-foot long by 2-inch diameter Macro-Core® sampling devise fitted with disposable, acetate sample tubes to the applicable depths. Field work was supervised by a Tetra Tech geologist. Boring locations are depicted on Figure 2. Soil borings were advanced to a maximum depth of 16-fbg. Boring logs describing the subsurface materials encountered in each soil boring are included in **Appendix B**.

3.2 Soil Sampling and Field Screening

Soil samples were collected from each soil boring from the ground surface to a depth of 8 to 16-fbg, and were screened for the presence of volatile organic compounds (VOCs) using a photo-ionization detector (PID). Soil samples were collected for analysis based upon field screening results, field observations (i.e., staining and/or odors), and/or spatial coverage. Soil samples collected for VOC analysis were collected in accordance with the DEP's "Guidance for Collecting and Preserving Soil and Sediment Samples for Laboratory Determination of Volatile Organic Compounds" (DEP, March 2006).

All soil samples were collected into pre-cleaned, laboratory-supplied glass containers, stored in ice at 4 degrees Celsius, and transported via laboratory courier to Spectrum Analytical Laboratories of Agawam, Massachusetts for analysis.

Soil Analyses:

Sixteen soil samples were collected from the soil borings at depths ranging from 1 to 10-fbg. All 16 soil samples were analyzed for VOCs by Environmental Protection Agency (EPA) method 5035/8260, extractable total petroleum hydrocarbons (ETPH) by the Connecticut method, mass analysis of the eight Resource Conservation and Recovery Act (RCRA) metals, and leachable

analysis of the eight RCRA metals using the Synthetic Precipitation Leaching Procedure. Additionally, select soil samples were submitted for analysis of semi-volatile organic compounds (SVOCs) by EPA method 8270 and polychlorinated biphenyls (PCBs) by EPA method 8082.

3.3 Groundwater Sampling

One, grab groundwater sample was collected from soil boring RSB-13 using a temporary, dedicated, 1-inch diameter well screen installed directly into the bore hole. The groundwater sample was retrieved using a variable-speed peristaltic pump fitted with dedicated polyethylene and Tygon® tubing.

The groundwater sample was collected into pre-cleaned, laboratory-supplied glass containers, stored in ice at 4 degrees Celsius, and transported via laboratory courier to Spectrum Analytical Laboratories in Agawam, Massachusetts for analysis.

Groundwater Analyses:

Due to limited recharge, the groundwater sample was analyzed for VOCs by EPA method 8260, only. Due to dense clay and sand, groundwater samples were not obtainable from the soil borings where groundwater was encountered.

4.0 Results of Soil Sampling Analyses

A total of 16 soil samples were collected during this investigation. **Table 1** summarizes the soil sample results. Laboratory analytical reports and chain-of-custody records are included in **Appendix C**.

Volatile Organic Compounds (VOCs)

All 16 soil samples were submitted for VOC analysis. No VOC exceedances were reported in the soil samples collected. Naphthalene was the only VOC reported above laboratory detection limits in RSB-3 (6-8'). The reported concentration did not exceed the applicable criteria.

No other VOC concentrations were reported above laboratory detection limits in the soil samples collected and submitted for laboratory analysis.

Semi-Volatile Organic Compounds (SVOCs)

Nine of the 16 soil samples were submitted for SVOC analysis. SVOCs were not detected in exceedance of the applicable RSR criteria in the samples.

Soil samples RSB-3 (6-8') had reported concentrations of benzo(a)anthracene, benzo(a)pyrene, chrysene, fluoranthene, phenanthrene and pyrene that did not exceed the RSR criteria. Soil sample RSB-11 (1.5-3') had reported concentrations of fluoranthene, phenanthrene and pyrene at concentrations that did not exceed the RSR criteria. No other concentrations of SVOCs were reported in any of the soil samples collected.

Polychlorinated Biphenyls (PCBs)

Nine of the 16 soil samples were submitted for PCB analysis. PCBs were not detected above the laboratory reporting limits in the samples.

Extractable Total Petroleum Hydrocarbons (ETPH)

All 16 soil samples were submitted for ETPH analysis. ETPH were not reported above the RSR criteria in any of the soil samples collected and submitted for laboratory analysis. ETPH were reported in samples collected from RSB-2 (2-4'), RSB-3 (2-4'), RSB-3 (6-8'), RSB-8 (1.5-4'), RSB-10 (1-4'), RSB-11(1.5-3') and RSB-11 (7-8'). ETPH concentrations ranged from 31 milligrams per kilogram (mg/kg) to 465 mg/kg. The highest reported concentration of ETPH, 465 mg/kg, was reported in the soil sample collected from RSB-3 (2-4').

Soil samples RSB-1 (1-4'), RSB-8 (5-7'), RSB-9 (2-4'), RSB-9 (8-10'), RSB-10 (6-8'), RSB-13 (3-5'), RSB-13 (5-8'), RSB-14 (2-4') and RSB-14 (6-8) did not contain ETPH concentrations detectable above the laboratory's detection limits.

Total RCRA 8 Metals

All 16 soil samples were submitted for mass analysis of the eight RCRA metals. No total metals concentrations were detected in exceedance of the applicable RSR criteria. Numerous low-level concentrations of total metals, consistent with background concentrations for the area, were detected as follows:

- Arsenic: detected in 13 samples, ranging from a low of 1.74 mg/kg to a high of 4.82 mg/kg;
- Barium: detected in all 16 samples ranging from a low of 31.5 mg/kg to a high of 272 mg/kg;
- Cadmium: detected in nine samples ranging from a low of 0.538 mg/kg to a high of 1.60 mg/kg.
- Chromium: detected in all 16 samples, ranging from a low of 7.55 mg/kg to a high of 47.0 mg/kg;
- Lead: detected in all 16 samples, ranging from a low of 4.64 mg/kg to a high of 104 mg/kg;
- Mercury: detected in seven samples, ranging from a low of 0.0322 mg/kg to a high of 0.164 mg/kg.
- Selenium was detected in all 16 samples, ranging from a low of 1.61 mg/kg to a high of 7.01 mg/kg.
- Silver: detected in 11 samples, ranging from a low of 1.5 mg/kg to a high of 7.77 mg/kg.

Leachable (SPLP) RCRA 8 Metals

The 16 soil samples were analyzed for leachable RCRA eight metals using the SPLP methodology. No leachable metals concentrations were detected in exceedance of the applicable RSR criteria.

5.0 Results of Groundwater Sampling Analyses

One groundwater sample was collected from soil boring RSB-13 during this investigation. **Table 2** summarizes the groundwater sample results. Laboratory analytical reports are included in Appendix C.

Volatile Organic Compounds (VOCs)

One groundwater samples was submitted for VOC analysis. VOCs were not detected in exceedance of the applicable RSR criteria in the samples. No visual indications of groundwater contamination were noted in the borings where groundwater was encountered.

Groundwater collected from RSB-13 contained naphthalene and toluene at concentrations that do not exceed the RSR criteria.

6.0 Quality Assurance/Quality Control

Two quality assurance/quality control (QA/QC) samples were collected during this investigation. QA/QC samples were collected as one trip blank and one duplicate sample. **Table 3** contains the QA/QC laboratory analytical results. Laboratory analytical reports are included in Appendix C.

Trip blanks are vials of de-ionized water that accompany groundwater VOC samples from the time of sample collection, through the transportation process, to the time of sample analysis. The trip blanks were analyzed for VOCs by EPA method 8260. Trip blanks are used to determine if cross-contamination has occurred during the sample storage and delivery process. The VOC results for the trip blank were "non-detect" indicating that cross-contamination had been avoided.

The soil duplicate sample was collected on sample RSB-1 (1-4'). Duplicate samples are used to determine if sound laboratory procedures are being implemented by comparing the analytical results of the original sample with the duplicate sample, the later being unknown to the lab. The duplicate sample was submitted for analysis of VOCs by EPA method 5035/8260, ETPH by the CT method, total RCRA eight metals, leachable RCRA eight metals, SVOCs by EPA method 8270, and PCBs by EPA method 8082. The results of both the original and the duplicate sample are similar, indicating solid laboratory performance.

7.0 Conclusions

This Task 210 – Subsurface Site Investigation was conducted on November 4, 2009. All project activities were conducted in accordance with industry standards.

Soil

VOC concentrations were not reported above the RSR criteria in any of the soil samples collected.

ETPH was not reported above the RSR criteria in any of the soil samples collected.

SVOCs were not reported above the RSR criteria in any of the soil samples collected.

Low-level concentrations of VOCs, SVOCs, ETPH, total RCRA eight metals, and leachable RCRA eight metals were detected in the soil samples. The concentrations of total and leachable metals appear consistent with naturally occurring background metals concentrations for the region.

PCBs were not detected above the laboratory's detection limits in any of the samples.

Groundwater

Low-level concentrations of VOCs (naphthalene and toluene) were reported in the groundwater sample at concentrations that do not exceed the RSR criteria.

8.0 Recommendations

Areas where contaminants of concern are reported above the laboratory detection limits but below RSR criteria and at concentrations that are considered above background levels, should be designated as low level areas of environmental concern (LLAOECs). Because no RSR exceedances were identified during this investigation, no areas of environmental concerns (AOECs) are identified for the project area. Soil excavated from a LLAOEC may be reused within the limits of the project if deemed suitable. If not, then the soil would require off-site disposal. Therefore, Task 310 plans and specifications are recommended for the areas of construction within the LLAOECs with consideration for reuse of LLAOEC soil. Metals were not detected in exceedance of the RSR criteria in Site soils.

VOCs were detected in Site groundwater sample at concentrations that do not exceed the RSR criteria. Groundwater does not appear to have been significantly impacted and should not be considered a groundwater AOEC. If groundwater is encountered during site activities, it should not require any controlled handling.

Table 1
Summary of Soil Sampling Analytical Data
Task 210: Sigourney and Hawthorne Intersection (Bus Station), Hartford, Connecticut

Sample Location Depth Interval (feet) Laboratory I.D. Sample Date	Remediation Standard Regulations (RSRs) Res DEC	I/C DEC	GB PMC	RSB-1 (1-4') SB03742-01 11/4/2009	RSB-2 (2-4') SB03742-07 11/4/2009	RSB-3 (2-4') SB03742-10 11/4/2009	RSB-3 (6-8') SB03742-11 11/4/2009	RSB-8 (1.5-4') SB03742-12 11/4/2009	RSB-8 (5-7') SB03742-13 11/4/2009	RSB-9 (2-4') SB03742-16 11/4/2009	RSB-9 (8-10') SB03742-17 11/4/2009
Volatile Organic Compounds (VOCs) by EPA Method 5035/8260 (ug/kg)											
Naphthalene	1,000,000	2,500,000	56,000	<5.5	<6.2	<2.7	9.0	<83.9	<10.3	<6.2	<9.4
Semi-Volatile Organic Compounds (SVOCs) by EPA Method 8270 (ug/kg)											
Benzo (a) anthracene	1,000	7,800	1,000	<177	<193	NA	232	<207	NA	<199	NA
Benzo (a) pyrene	1,000	1,000	1,000	<177	<193	NA	193	<207	NA	<199	NA
Chrysene	84,000	780,000	1,000	<177	<193	NA	216	<207	NA	<199	NA
Fluoranthene	1,000,000	2,500,000	56,000	<177	<193	NA	466	<207	NA	<199	NA
Phenanthrene	1,000,000	2,500,000	40,000	<177	<193	NA	276	<207	NA	<199	NA
Pyrene	1,000,000	2,500,000	40,000	<177	<193	NA	554	<207	NA	<199	NA
Polychlorinated Biphenyls (PCBs) by EPA Method 8082 (ug/kg)											
All PCB Analytes	1,000	10,000	NE	<21.0	<22.6	<22.3	NA	NA	<26.7	<23.4	NA
Extractable Total Petroleum Hydrocarbons (ETPH) by the Connecticut Method (mg/kg)											
ETPH	500	2,500	2,500	<14.2	31.5	465	64.7	50.5	<35.9	<16.1	<38.9
Total RCRA 8 Metals (mg/kg)											
Arsenic	10	10	NE	1.81	2.20	1.74	<1.62	4.82	2.19	2.24	2.56
Barium	4,700	140,000	NE	73.4	109	46.0	38.1	127	230	107	161
Cadmium	34	1,000	NE	<0.490	<0.509	<0.546	<0.539	1.60	0.709	<0.552	0.852
Chromium	NE	NE	NE	19.0	21.6	14.5	7.55	24.8	29.8	22.9	33.7
Lead	400	1,000	NE	45.3	104	11.2	4.64	48.3	10.2	7.24	11.7
Mercury	20	610	NE	0.0367	0.0765	<0.0322	<0.0309	0.0688	<0.0368	<0.0326	<0.0410
Selenium	340	10,000	NE	3.35	4.06	2.22	1.62	3.80	4.43	3.81	5.22
Silver	340	10,000	NE	2.22	3.07	<1.64	<1.62	3.86	4.90	4.74	4.90
SPLP RCRA 8 Metals (mg/L)											
Arsenic	NE	NE	0.5	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080
Barium	NE	NE	10	<0.150	3.06	<0.150	<0.150	2.81	<0.150	<0.150	3.61
Cadmium	NE	NE	0.05	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Chromium	NE	NE	0.5	<0.0100	0.0128	0.0130	<0.0100	<0.0100	<0.0100	<0.0100	0.0102
Lead	NE	NE	0.15	<0.0150	0.0161	<0.0150	<0.0150	0.0238	<0.0150	<0.0150	<0.0150
Mercury	NE	NE	0.02	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Selenium	NE	NE	0.5	<0.0300	<0.0300	<0.0300	<0.0300	<0.0300	<0.0300	<0.0300	<0.0300
Silver	NE	NE	0.36	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100

Notes:
RES DEC = Residential Direct Exposure Criteria
I/C DEC = Industrial/Commercial Direct Exposure Criteria
GB PMC = Pollutant Mobility Criteria for Areas with GB Classified Groundwater
EPA = Environmental Protection Agency
RCRA = Resource Conservation and Recovery Act
SPLP = Synthetic Precipitation Leaching Procedure
NE = Not established NA = Not Analyzed
Bold type indicates an exceedance of the regulatory criteria.
< = Not detected above laboratory reportable detection limits.
ug/kg = microgram per kilogram mg/kg = milligram per kilogram
ug/L = micrograms per liter mg/L = milligrams per liter

Table 1
Summary of Soil Sampling Analytical Data
Task 210: Sigourney and Hawthorne Intersection (Bus Station), Hartford, Connecticut

Sample Location	Remediation Standard Regulations (RSRs) Res DEC	I/C DEC	GB PMC	RSB-10	RSB-10	RSB-11	RSB-11	RSB-13	RSB-13	RSB-14	RSB-14
Depth Interval (feet)				(1-4')	(6-8')	(1.5-3')	(7-8')	(3-5')	(5-8')	(2-4')	(6-8')
Laboratory I.D.				SB03742-14	SB03742-15	SB03742-08	SB03742-09	SB03742-02	SB03742-03	SB03742-05	SB03742-06
Sample Date				11/4/2009	11/4/2009	11/4/2009	11/4/2009	11/4/2009	11/4/2009	11/4/2009	11/4/2009
Volatile Organic Compounds (VOCs) by EPA Method 5035/8260 (ug/kg)											
Naphthalene	1,000,000	2,500,000	56,000	<5.7	<6.4	<5.7	<5.2	<7.4	<8.3	<7.1	<6.8
Semi-Volatile Organic Compounds (SVOCs) by EPA Method 8270 (ug/kg)											
Benzo (a) anthracene	1,000	7,800	1,000	<178	NA	<182	NA	NA	<231	<206	NA
Benzo (a) pyrene	1,000	1,000	1,000	<178	NA	<182	NA	NA	<231	<206	NA
Chrysene	84,000	780,000	1,000	<178	NA	<182	NA	NA	<231	<206	NA
Fluoranthene	1,000,000	2,500,000	56,000	<178	NA	272	NA	NA	<231	<206	NA
Phenanthrene	1,000,000	2,500,000	40,000	<178	NA	273	NA	NA	<231	<206	NA
Pyrene	1,000,000	2,500,000	40,000	<178	NA	272	NA	NA	<231	<206	NA
Polychlorinated Biphenyls (PCBs) by EPA Method 8082 (ug/kg)											
All PCB Analytes	1,000	10,000	NE	<20.6	NA	<21.2	NA	NA	<27.1	NA	<28.5
Extractable Total Petroleum Hydrocarbons (ETPH) by the Connecticut Method (mg/kg)											
ETPH	500	2,500	2,500	31	<28.6	39.1	30.8	<36.9	<18.7	<16.6	<36.6
Total RCRA 8 Metals (mg/kg)											
Arsenic	10	10	NE	<1.64	3.06	<1.48	2.03	3.76	2.38	2.73	3.21
Barium	4,700	140,000	NE	50.1	112	31.5	116	272	199	140	248
Cadmium	34	1,000	NE	<0.548	0.538	<0.495	0.544	1.05	0.870	0.660	1.00
Chromium	NE	NE	NE	9.74	21.4	7.87	19.8	47.0	35.2	22.2	45.9
Lead	400	1,000	NE	17.0	23.7	6.09	17.9	16.0	12.2	16.2	16.0
Mercury	20	610	NE	0.164	0.0676	0.0322	0.0472	<0.0411	<0.0405	<0.0371	<0.0381
Selenium	340	10,000	NE	1.82	2.78	1.61	2.73	7.01	5.42	3.92	6.76
Silver	340	10,000	NE	<1.64	<1.54	<1.48	1.50	7.41	5.22	3.64	7.77
SPLP RCRA 8 Metals (mg/L)											
Arsenic	NE	NE	0.5	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080
Barium	NE	NE	10	<0.150	<0.150	0.193	0.183	<0.150	<0.150	0.202	0.201
Cadmium	NE	NE	0.05	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Chromium	NE	NE	0.5	<0.0100	<0.0100	<0.0100	<0.0100	0.0104	<0.0100	<0.0100	<0.0100
Lead	NE	NE	0.15	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150
Mercury	NE	NE	0.02	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Selenium	NE	NE	0.5	<0.0300	<0.0300	<0.0300	<0.0300	<0.0300	<0.0300	<0.0300	<0.0300
Silver	NE	NE	0.36	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100

Notes:
RES DEC = Residential Direct Exposure Criteria
I/C DEC = Industrial/Commercial Direct Exposure Criteria
GB PMC = Pollutant Mobility Criteria for Areas with GB Classified Groundwater
EPA = Environmental Protection Agency
RCRA = Resource Conservation and Recovery Act
SPLP = Synthetic Precipitation Leaching Procedure
NE = Not established NA = Not Analyzed
Bold type indicates an exceedance of the regulatory criteria.
< = Not detected above laboratory reportable detection limits.
ug/kg = microgram per kilogram mg/kg = milligram per kilogram
ug/L = micrograms per liter mg/L = milligrams per liter

Table 2
Summary of Groundwater Sampling Analytical Data
Task 210: Sigourney and Hawthorne Intersection (Bus Station), Hartford, Connecticut

Sample Location **Laboratory I.D** **Sample Date**				**RSB-13** **SB03742-04** **11/4/2009**
	Remediation Standard Regulations (RSRs)			
	SWPC	**Res VC**	**I/C VC**	
Volatile Organic Compounds (VOCs) by EPA Method 8260 (ug/L)				
Naphthalene	NE	NE	NE	1.1
Toulene	4,000,000	23,500/7,100	50,000/41,000	1.1
Semi-Volatile Organic Compounds (SVOCs) by EPA Method 8270 (ug/L)				
SVOCs	Varies	Varies	Varies	NA
Polychlorinated Biphenyls by EPA Method 8082 (ug/L)				
All PCBs	0.5	NE	NE	NA
Extractable Total Petroleum Hydrocarbons (ETPH) by the CT Method (mg/L)				
ETPH	NE	NE	NE	NA
Total RCRA 8 Metals by EPA 6000/7000 Series Methods (mg/L)				
Arsenic	0.004	NE	NE	NA
Barium	NE	NE	NE	NA
Cadmium	0.006	NE	NE	NA
Chromium	NE	NE	NE	NA
Lead	0.013	NE	NE	NA
Mercury	0.0004	NE	NE	NA
Selenium	0.05	NE	NE	NA
Silver	0.012	NE	NE	NA

Notes:
SWPC = Surface Water Protection Criteria
Res VC = Residential Volatilization Criteria
I/C VC = Industrial/Commercial Volatilization Criteria
mg/L = milligrams per liter ug/L = micrograms per liter
NA = Not Analyzed NE = Not Established
Red type indicates proposed RSR criteria not yet promulgated.
Bold type indicates an exceedance of the RSR criteria.
Only those VOC analytes detected are listed.
< = Analyte not detected above the laboratory's reportable detection limit.

Table 3
Summary of Quality Assurance/Quality Control Analytical Data
Task 210: Sigourney and Hawthorne Intersection (Bus Station), Hartford, Connecticut

Sample Location Depth Interval (feet) Laboratory I.D. Sample Date	RSB-1 (1-4') SB03742-01 11/4/2009	RSB- 1(Duplicate) (1-4') SB03742-18 11/4/2009	Trip Blank Aqueous SB034742-19 11/4/2009
Volatile Organic Compounds (VOCs) by EPA Method 5035/8260 (ug/kg)			
Naphthalene	<5.5	<6.0	<1.0
Toluene	<7.4	<6.0	<1.0
Semi-Volatile Organic Compounds (SVOCs) by EPA Method 8270 (ug/kg)			
Benzo (a) anthracene	<177	<189	NA
Benzo (a) pyrene	<177	<189	NA
Chrysene	<177	<189	NA
Fluoranthene	<177	<189	NA
Phenanthrene	<177	<189	NA
Pyrene	<177	<189	NA
Polychlorinated Biphenyls (PCBs) by EPA Method 8082 (ug/kg)			
All PCB Analytes	<21.0	<22.7	NA
Extractable Total Petroleum Hydrocarbons (ETPH) by the CT Method (mg/kg)			
ETPH	<14.2	<15.2	NA
Total RCRA 8 Metals (mg/kg)			
Arsenic	1.81	<1.70	NA
Barium	73.4	99.5	NA
Cadmium	<0.490	<0.567	NA
Chromium	19.0	23.0	NA
Lead	45.3	16.5	NA
Mercury	0.0367	0.0496	NA
Selenium	3.35	4.27	NA
Silver	2.22	3.04	NA
SPLP RCRA 8 Metals (mg/L)			
Arsenic	<0.0080	<0.0080	NA
Barium	<0.150	3.83	NA
Cadmium	<0.0050	<0.005	NA
Chromium	<0.0100	0.0115	NA
Lead	<0.0150	<0.0150	NA
Mercury	<0.00020	<0.00020	NA
Selenium	<0.0300	<0.0300	NA
Silver	<0.0100	<0.0100	NA

Notes:
EPA = Environmental Protection Agency
RCRA = Resource Conservation and Recovery Act
SPLP = Synthetic Precipitation Leaching Procedure
NE = Not established NA = Not Analyzed
Bold type indicates an exceedance of the regulatory criteria.
< = Not detected above laboratory reportable detection limits.
ug/kg = microgram per kilogram mg/kg = milligram per kilogram
ug/L = micrograms per liter mg/L = milligrams per liter

Project No. 127-17797-09015

New Britain to Hartford Busway
Sigourney Street Station
Hartford, Connecticut

TETRA TECH RIZZO

0 2,000± Feet

Information obtained from
USGS Map of Hartford North, Connecticut
Dated: 1964, Photorevised: 1992
USGS Map of Hartford South, Connecticut
Dated: 1964, Photorevised: 1992

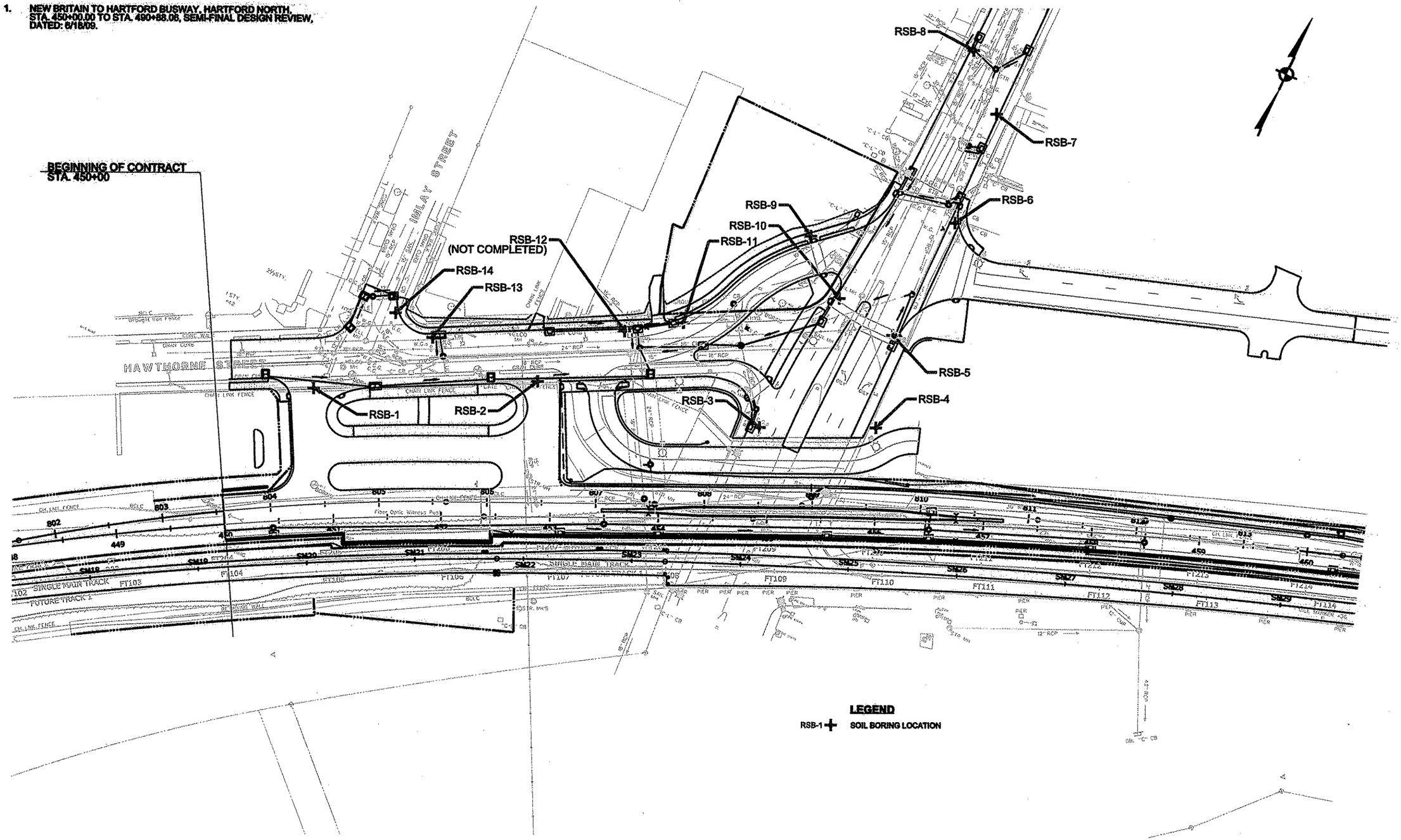
Site Locus Plan

Figure 1

\Project\127-17797-09015\Graphic\127-17797-09015G-ESL01.dwg 7/22/2009 11:14:01 AM EDT

MAP REFERENCES:

1. NEW BRITAIN TO HARTFORD BUSWAY, HARTFORD NORTH, STA. 450+00.00 TO STA. 490+88.08, SEMI-FINAL DESIGN REVIEW, DATED: 6/18/09.



REV.	DATE	DESCRIPTION	SHEET NO.
		REVISIONS	

SCALE IN FEET
0 40 80
SCALE 1"=40'

DESIGNER: D. WILLIAMS
DRAFTER: J. LUNDQUIST
CHECKED BY: D. WILLIAMS

STATE OF CONECTICUT
DEPARTMENT OF TRANSPORTATION

ENGINEER: TETRA TECH RIZZO, INC.
APPROVED BY: DATE:

TETRA TECH RIZZO

PROJECT TITLE: SIGOURNEY/HAWTHORNE STREET STATION NEW BRITAIN – HARTFORD BUSWAY

CADD: 127-17797-09015-210-ENV02.dgn PLOTTED DATE: 11/02/2009

TOWN: HARTFORD

DRAWING TITLE: SOIL BORING PLAN

CONTRACT NO.: 0171-0305

DRAWING NO.: 2

SHEET NO.:

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 Rizzo 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.

BORING NUMBER RSB-1

TETRA TECH

CLIENT Connecticut Department of Transportation
PROJECT NAME Proposed Sigourney Street Bus Station
PROJECT NUMBER 127-17797-09015
PROJECT LOCATION Hartford, Connecticut
DATE STARTED 11/4/09 **COMPLETED** 11/4/09
GROUND ELEVATION ____ **HOLE SIZE** 2"
DRILLING CONTRACTOR Logical Environmental Solutions
GROUND WATER LEVELS:
DRILLING METHOD Direct Push (Geoprobe)
AT TIME OF DRILLING ---
LOGGED BY Joe Perko **CHECKED BY** David T. Williams
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0					7" Brown to black TOPSOIL and ROADSAND
			SAMPLE: RSB-1 (1-4') 08:40 SUBMITTED + DUPLICATE		1.0 40" Dark brown, fine SAND and SILT; little clay, very moist, no staining, no odors, (SAMPLE at 1-4'), PID = ND
2.5		78			
5.0					5.0 12" Light brown, fine SAND and CLAY, very moist, slightly pliable, no staining, no odors, PID = ND
					48" Light brown CLAY, very moist, pliable, no staining, no odors, PID = ND
7.5		100			
10.0					10.0 51" Same as above, PID = ND
12.5		71			
15.0					
					16.0

Bottom of hole at 16.0 feet.

BORING NUMBER RSB-2

TETRA TECH

CLIENT Connecticut Department of Transportation
PROJECT NAME Proposed Sigourney Street Bus Station
PROJECT NUMBER 127-17797-09015
PROJECT LOCATION Hartford, Connecticut
DATE STARTED 11/4/09 **COMPLETED** 11/4/09
GROUND ELEVATION ____ **HOLE SIZE** 2"
DRILLING CONTRACTOR Logical Environmental Solutions
GROUND WATER LEVELS:
DRILLING METHOD Direct Push (Geoprobe)
AT TIME OF DRILLING ---
LOGGED BY Joe Perko **CHECKED BY** David T. Williams
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0					12" ASPHALT
1.0					21" Brown to reddish-brown, coarse to fine SAND; little clay and large to small, subangular gravel, loose, moist, no staining, no odors, (SAMPLE at 2-4'), PID = ND
2.5		100	SAMPLE: RSB-2 (2-4') 11:00 SUBMITTED		15" Dark gray, fine SAND and CLAY, slightly pliable, moist, PID = 0.2 ppm (parts per million)
4.0					32" Same as above, trending to brown in bottom 24", PID = 0.2 ppm
5.0		67			
7.5					
8.0					Bottom of hole at 8.0 feet.

BORING NUMBER RSB-3

TETRA TECH

CLIENT Connecticut Department of Transportation
PROJECT NAME Proposed Sigourney Street Bus Station
PROJECT NUMBER 127-17797-09015
PROJECT LOCATION Hartford, Connecticut
DATE STARTED 11/4/09 **COMPLETED** 11/4/09
GROUND ELEVATION ____ **HOLE SIZE** 2"
DRILLING CONTRACTOR Logical Environmental Solutions
GROUND WATER LEVELS:
DRILLING METHOD Direct Push (Geoprobe)
AT TIME OF DRILLING ---
LOGGED BY Joe Perko **CHECKED BY** David T. Williams
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0					12" CONCRETE
1.0					14" Brown, medium grained SAND; some coarse and fine sand, clay and large to small, subangular gravel, reworked, wet, no staining, no odors, (SAMPLE at 2-4'), PID = ND
2.5		54	SAMPLE: RSB-3 (2-4') 11:45 SUBMITTED		
4.0					10" Same as above, PID = ND
5.0					17" Brown, medium grained, homogenous SAND, loose, very moist, no staining, no odors, PID = ND
		69	SAMPLE: RSB-3 (6-8') 11:55 SUBMITTED		
7.5					6" Dark gray, fine SAND and SILT; little clay and large to small, subangular gravel, very dense, dry, (SAMPLE at 6-8'), PID = ND
8.0					Bottom of hole at 8.0 feet.

BORING NUMBER RSB-4

TETRA TECH

CLIENT Connecticut Department of Transportation
PROJECT NAME Proposed Sigourney Street Bus Station
PROJECT NUMBER 127-17797-09015
PROJECT LOCATION Hartford, Connecticut
DATE STARTED 11/4/09 **COMPLETED** 11/4/09
GROUND ELEVATION ____ **HOLE SIZE** 2"
DRILLING CONTRACTOR Logical Environmental Solutions
GROUND WATER LEVELS:
DRILLING METHOD Direct Push (Geoprobe)
AT TIME OF DRILLING ---
LOGGED BY Joe Perko **CHECKED BY** David T. Williams
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0			Refusal at <1 foot below asphalt
1.0			Refusal at <1 foot, suspect concrete
			Bottom of hole at 1.0 feet.

BORING NUMBER RSB-5

TETRA TECH

CLIENT Connecticut Department of Transportation
PROJECT NAME Proposed Sigourney Street Bus Station
PROJECT NUMBER 127-17797-09015
PROJECT LOCATION Hartford, Connecticut
DATE STARTED 11/4/09 **COMPLETED** 11/4/09
GROUND ELEVATION ____ **HOLE SIZE** 2"
DRILLING CONTRACTOR Logical Environmental Solutions
GROUND WATER LEVELS:
DRILLING METHOD Direct Push (Geoprobe)
AT TIME OF DRILLING ---
LOGGED BY Joe Perko **CHECKED BY** David T. Williams
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0			Refusal at <1 foot below asphalt
1.0			Refusal at <1 foot, suspect concrete Bottom of hole at 1.0 feet.

TETRA TECH

BORING NUMBER RSB-6

CLIENT Connecticut Department of Transportation
PROJECT NAME Proposed Sigourney Street Bus Station
PROJECT NUMBER 127-17797-09015
PROJECT LOCATION Hartford, Connecticut
DATE STARTED 11/4/09 **COMPLETED** 11/4/09
GROUND ELEVATION ____ **HOLE SIZE** 2"
DRILLING CONTRACTOR Logical Environmental Solutions
GROUND WATER LEVELS:
DRILLING METHOD Direct Push (Geoprobe)
AT TIME OF DRILLING ---
LOGGED BY Joe Perko **CHECKED BY** David T. Williams
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0			Refusal at <1 foot below asphalt
1.0			Refusal at <1 foot, suspect concrete
			Bottom of hole at 1.0 feet.

BORING NUMBER RSB-7

TETRA TECH

CLIENT Connecticut Department of Transportation
PROJECT NAME Proposed Sigourney Street Bus Station
PROJECT NUMBER 127-17797-09015
PROJECT LOCATION Hartford, Connecticut
DATE STARTED 11/4/09 **COMPLETED** 11/4/09
GROUND ELEVATION ____ **HOLE SIZE** 2"
DRILLING CONTRACTOR Logical Environmental Solutions
GROUND WATER LEVELS:
DRILLING METHOD Direct Push (Geoprobe)
AT TIME OF DRILLING ---
LOGGED BY Joe Perko **CHECKED BY** David T. Williams
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0			Refusal at <1 foot below asphalt
1.0			Refusal at <1 foot, suspect concrete
			Bottom of hole at 1.0 feet.

GENERAL BH / TP / WELL 127-17797-09015.GPJ GINT US.GDT 11/9/09

BORING NUMBER RSB-8

TETRA TECH

CLIENT Connecticut Department of Transportation
PROJECT NUMBER 127-17797-09015
DATE STARTED 11/4/09 **COMPLETED** 11/4/09
DRILLING CONTRACTOR Logical Environmental Solutions
DRILLING METHOD Direct Push (Geoprobe)
LOGGED BY Joe Perko **CHECKED BY** David T. Williams
NOTES

PROJECT NAME Proposed Sigourney Street Bus Station
PROJECT LOCATION Hartford, Connecticut
GROUND ELEVATION **HOLE SIZE** 2"
GROUND WATER LEVELS:
∇ **AT TIME OF DRILLING** 4.0 ft
AT END OF DRILLING —
AFTER DRILLING —

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0					5" Brown, fine, homogenous SAND, loose, dry, no staining, no odors, PID = 0.3 ppm
		79	SAMPLE: RSB-8 (1.5-4') 13:50 SUBMITTED		13" Grayish-brown, fine SAND, SILT, and CLAY; some large to small, subangular gravel, dense, moist, (SAMPLE at 1.5-4'), PID = 0.3 ppm
2.5					20" Brown, fine SAND and CLAY, slightly pliable, very moist, no staining, no odors, PID = 0.3 ppm
					4.0 ∇
5.0		85	SAMPLE: RSB-8 (5-7') 13:55 SUBMITTED		41" Light brown, fine SAND and CLAY, wet at 4 feet, no staining, no odors, (SAMPLE at 5-7'), PID = 0.3 ppm
7.5					8.0
					Bottom of hole at 8.0 feet.

BORING NUMBER RSB-9

TETRA TECH

CLIENT Connecticut Department of Transportation
PROJECT NAME Proposed Sigourney Street Bus Station
PROJECT NUMBER 127-17797-09015
PROJECT LOCATION Hartford, Connecticut
DATE STARTED 11/4/09 **COMPLETED** 11/4/09
GROUND ELEVATION ____ **HOLE SIZE** 2"
DRILLING CONTRACTOR Logical Environmental Solutions
GROUND WATER LEVELS:
DRILLING METHOD Direct Push (Geoprobe)
∇ **AT TIME OF DRILLING** 5.0 ft
LOGGED BY Joe Perko **CHECKED BY** David T. Williams
AT END OF DRILLING —
NOTES
AFTER DRILLING —

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0					6" ASPHALT
0.5					29" Orange brown, medium grained, homogenous SAND, loose, dry to moist, no staining, no odors, (SAMPLE at 2-4'), PID = ND
2.5		73	SAMPLE: RSB-9 (2-4') 14:30 SUBMITTED		
4.0					48" Brown, fine SAND and CLAY, slightly pliable, wet at 5 feet, PID = ND
5.0		100			∇
7.5					
8.0					48" Grayish-brown CLAY, saturated, very pliable, no staining, no odors, (SAMPLE at 8-10'), PID = ND
10.0		100	SAMPLE: RSB-9 (8-10') 14:40 SUBMITTED		
12.0					1" Same as above, very "sloppy", PID = ND
12.5		2			
15.0					
16.0					

Bottom of hole at 16.0 feet.

GENERAL BH / TP / WELL 127-17797-09015.GPJ GINT US.GDT 11/9/09

BORING NUMBER RSB-10

TETRA TECH

CLIENT Connecticut Department of Transportation
PROJECT NAME Proposed Sigourney Street Bus Station
PROJECT NUMBER 127-17797-09015
PROJECT LOCATION Hartford, Connecticut
DATE STARTED 11/4/09 **COMPLETED** 11/4/09
GROUND ELEVATION ____ **HOLE SIZE** 2"
DRILLING CONTRACTOR Logical Environmental Solutions
GROUND WATER LEVELS:
DRILLING METHOD Direct Push (Geoprobe)
AT TIME OF DRILLING ---
LOGGED BY Joe Perko **CHECKED BY** David T. Williams
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0					8" TOPSOIL
				0.8	21" Yellow-brown, medium grained, homogenous SAND; little small and rounded gravel; trace silt, loose, moist, no staining, no odors, (SAMPLE at 1-4'), PID = ND
2.5		60	SAMPLE: RSB-10 (1-4') 14:05		
				4.0	12" Same as above, PID = ND
5.0					24" Dark brown, fine SAND and CLAY, slightly pliable, moderately dense, very moist, no staining, no odors, (SAMPLE at 6-8'), PID = ND
7.5		75	SAMPLE: RSB-10 (6-8') 14:15		
				8.0	Bottom of hole at 8.0 feet.

BORING NUMBER RSB-11

TETRA TECH

CLIENT Connecticut Department of Transportation
PROJECT NAME Proposed Sigourney Street Bus Station
PROJECT NUMBER 127-17797-09015
PROJECT LOCATION Hartford, Connecticut
DATE STARTED 11/4/09 **COMPLETED** 11/4/09
GROUND ELEVATION ____ **HOLE SIZE** 2"
DRILLING CONTRACTOR Logical Environmental Solutions
GROUND WATER LEVELS:
DRILLING METHOD Direct Push (Geoprobe)
AT TIME OF DRILLING ---
LOGGED BY Joe Perko **CHECKED BY** David T. Williams
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0					12" ASPHALT
1.0					6" SUB-BASE
1.5		100	SAMPLE: RSB-11 (1.5-3') 11:25 SUBMITTED		16" Brown, coarse to medium SAND; little fine sand and small, rounded gravel, loose, moist, no staining, no odors, (SAMPLE at 1.5-3'), PID = 0.2 ppm
2.5					14" Brown, fine SAND and SILT; little clay and large to small, subangular gravel, very dense, dry, no staining, no odors, PID = 0.2 ppm
4.0					24" Fall-In
5.0		71	SAMPLE: RSB-11 (7-8') 11:30 SUBMITTED		10" Same as above, (SAMPLE at 7-8'), PID = 0.8 ppm
7.5					
8.0					Bottom of hole at 8.0 feet.

BORING NUMBER RSB-12

TETRA TECH

CLIENT Connecticut Department of Transportation
PROJECT NAME Proposed Sigourney Street Bus Station
PROJECT NUMBER 127-17797-09015
PROJECT LOCATION Hartford, Connecticut
DATE STARTED 11/4/09 **COMPLETED** 11/4/09
GROUND ELEVATION ____ **HOLE SIZE** 2"
DRILLING CONTRACTOR Logical Environmental Solutions
GROUND WATER LEVELS:
DRILLING METHOD Direct Push (Geoprobe)
AT TIME OF DRILLING ---
LOGGED BY Joe Perko **CHECKED BY** David T. Williams
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION
			RSB-12 was not conducted due to numerous utilities located in the vicinity. Bottom of hole at 0.0 feet.

BORING NUMBER RSB-13

TETRA TECH

CLIENT Connecticut Department of Transportation
PROJECT NAME Proposed Sigourney Street Bus Station
PROJECT NUMBER 127-17797-09015
PROJECT LOCATION Hartford, Connecticut
DATE STARTED 11/4/09 **COMPLETED** 11/4/09
GROUND ELEVATION **HOLE SIZE** 2"
DRILLING CONTRACTOR Logical Environmental Solutions
GROUND WATER LEVELS:
DRILLING METHOD Direct Push (Geoprobe)
∇ **AT TIME OF DRILLING** 5.0 ft
LOGGED BY Joe Perko **CHECKED BY** David T. Williams
AT END OF DRILLING —
NOTES
AFTER DRILLING —

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0					48" Brown, fine to medium grained SAND; some silt, loose, very moist, no staining, no odors, (SAMPLE at 3-5'), PID = ND
2.5		100	SAMPLE: RSB-13 (3-5') 09:05 SUBMITTED		
					12" Dark brown, fine SAND and CLAY, slightly pliable, very moist, no staining, no odors, PID = ND
5.0					5.0 ∇ 10" Same as above, wet at 5 feet, (SAMPLE at 5-8'), PID = ND
7.5		100	SAMPLE: RSB-13 (H20) 09:30 SUBMITTED SAMPLE: RSB-13 (5-8') 09:20 SUBMITTED		
10.0					10.0 Bottom of hole at 10.0 feet.

BORING NUMBER RSB-14

TETRA TECH

CLIENT Connecticut Department of Transportation
PROJECT NAME Proposed Sigourney Street Bus Station
PROJECT NUMBER 127-17797-09015
PROJECT LOCATION Hartford, Connecticut
DATE STARTED 11/4/09 **COMPLETED** 11/4/09
GROUND ELEVATION ____ **HOLE SIZE** 2"
DRILLING CONTRACTOR Logical Environmental Solutions
GROUND WATER LEVELS:
DRILLING METHOD Direct Push (Geoprobe)
∇ **AT TIME OF DRILLING** 8.0 ft
LOGGED BY Joe Perko **CHECKED BY** David T. Williams
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0					12" ASPHALT
1.0					12" SUB-BASE
2.0		100	SAMPLE: RSB-14 (2-4') 09:55 SUBMITTED		24" Brown, fine SAND and CLAY, slightly pliable, moist, no staining, no odors, (SAMPLE at 2-4'), PID = ND
2.5					
4.0					21" Same as above, PID = ND
5.0					
		88	SAMPLE: RSB-14 (6-8') 10:05 SUBMITTED		21" Light brown CLAY, very pliable, very moist, no staining, no odors, (SAMPLE at 6-8'), PID = ND
7.5					
8.0 ∇					48" Same as above, saturated at 8 feet, PID = ND
10.0		100			
12.0					48" Same as above, PID = ND
12.5		100			
15.0					
16.0					

Bottom of hole at 16.0 feet.

GENERAL BH / TP / WELL 127-17797-09015.GPJ GINT US.GDT 11/9/09

Report Date:
19-Nov-09 13:58

☑ 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: Joseph Perko

Project: Sigourney St. Bus Stn. - Hartford, CT
Project #: 127-17797-09015

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB03742-01	RSB-1 (1-4')	Soil	04-Nov-09 08:40	05-Nov-09 16:30
SB03742-02	RSB-13 (3-5')	Soil	04-Nov-09 09:05	05-Nov-09 16:30
SB03742-03	RSB-13 (5-8')	Soil	04-Nov-09 09:20	05-Nov-09 16:30
SB03742-04	RSB-13 (H2O)	Ground Water	04-Nov-09 09:30	05-Nov-09 16:30
SB03742-05	RSB-14 (2-4')	Soil	04-Nov-09 09:55	05-Nov-09 16:30
SB03742-06	RSB-14 (6-8')	Soil	04-Nov-09 10:05	05-Nov-09 16:30
SB03742-07	RSB-2 (2-4')	Soil	04-Nov-09 11:00	05-Nov-09 16:30
SB03742-08	RSB-11 (1.5-3')	Soil	04-Nov-09 11:25	05-Nov-09 16:30
SB03742-09	RSB-11 (7-8')	Soil	04-Nov-09 11:30	05-Nov-09 16:30
SB03742-10	RSB-3 (2-4')	Soil	04-Nov-09 11:45	05-Nov-09 16:30
SB03742-11	RSB-3 (6-8')	Soil	04-Nov-09 11:55	05-Nov-09 16:30
SB03742-12	RSB-8 (1.5-4')	Soil	04-Nov-09 13:50	05-Nov-09 16:30
SB03742-13	RSB-8 (5-7')	Soil	04-Nov-09 13:55	05-Nov-09 16:30
SB03742-14	RSB-10 (1-4')	Soil	04-Nov-09 14:05	05-Nov-09 16:30
SB03742-15	RSB-10 (6-8')	Soil	04-Nov-09 14:15	05-Nov-09 16:30
SB03742-16	RSB-9 (2-4')	Soil	04-Nov-09 14:30	05-Nov-09 16:30
SB03742-17	RSB-9 (8-10')	Soil	04-Nov-09 14:40	05-Nov-09 16:30
SB03742-18	Duplicate	Soil	04-Nov-09 00:00	05-Nov-09 16:30
SB03742-19	Trip Blank	Aqueous	04-Nov-09 09:40	05-Nov-09 16:30

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.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

Authorized by:

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

Technical Reviewer's Initial:

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 145 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supercedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report is available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

The sample temperature upon receipt by Spectrum Analytical courier was recorded as 5.3 degrees Celsius. The condition of these samples was further noted as refrigerated. The samples were transported on ice to the laboratory facility and the temperature was recorded at 3.8 degrees Celsius upon receipt at the laboratory. Please refer to the Chain of Custody for details specific to sample receipt times.

An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

Low level VOC soil samples submitted in DI water or in an encore sampler were frozen on 11/5/2009 at 16:30.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

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 method 8260, 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.

All VOC soils samples submitted and analyzed in methanol will have a minimum dilution factor of 50. This is the minimum amount of solvent allowed on the instrumentation without causing interference. Additional dilution factors may be required to keep analyte concentration within instrument calibration.

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

SW846 1312/6010B

Duplicates:

9110820-DUP1 *Source: SB03742-02*

Analyses are not controlled on RPD values from sample concentrations that are less than 5 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.

Cadmium
Chromium

SW846 6010B

SW846 6010B

Spikes:

9110978-MS1 *Source: SB03742-08*

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

Barium

9110978-MSD1 *Source: SB03742-08*

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

Barium

SW846 8260B

Blanks:

9110846-BLK1

Analyte quantified by quadratic equation type calibration.

Naphthalene

9110950-BLK1

Analyte quantified by quadratic equation type calibration.

Naphthalene

9110951-BLK1

Analyte quantified by quadratic equation type calibration.

Naphthalene

SW846 8260B

Laboratory Control Samples:

9110841-BS1

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

1,1,2-Trichlorotrifluoroethane (Freon 113)

9110841-BSD1

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

1,1,2-Trichlorotrifluoroethane (Freon 113)

9110846-BS1

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

1,1,2-Trichlorotrifluoroethane (Freon 113)

Analyte quantified by quadratic equation type calibration.

Naphthalene

9110846-BSD1

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

1,1,2-Trichlorotrifluoroethane (Freon 113)

Analyte quantified by quadratic equation type calibration.

Naphthalene

9110950-BS1

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

1,1,2-Trichlorotrifluoroethane (Freon 113)

Analyte quantified by quadratic equation type calibration.

Naphthalene

The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.

Acetone

9110950-BSD1

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

1,1,2-Trichlorotrifluoroethane (Freon 113)

Analyte quantified by quadratic equation type calibration.

Naphthalene

RPD out of acceptance range.

Acetone

The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.

Tetrahydrofuran

SW846 8260B

Laboratory Control Samples:

9110951-BS1

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

1,1,2-Trichlorotrifluoroethane (Freon 113)

Analyte quantified by quadratic equation type calibration.

Naphthalene

The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.

Ethanol

9110951-BSD1

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

1,1,2-Trichlorotrifluoroethane (Freon 113)

Analyte quantified by quadratic equation type calibration.

Naphthalene

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

9110953-BS1

The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.

1,1,2-Trichlorotrifluoroethane (Freon 113)

9111062-BS1

The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.

trans-1,4-Dichloro-2-butene

9111062-BSD1

RPD out of acceptance range.

Bromochloromethane
cis-1,2-Dichloroethene

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.

Di-isopropyl ether

The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.

2-Butanone (MEK)
Bromochloromethane
cis-1,2-Dichloroethene
Ethanol

SW846 8260B

Spikes:

9110874-MS1 *Source: SB03742-06*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Bromomethane
Carbon disulfide
Chloroethane
Chloromethane
Dichlorodifluoromethane (Freon12)
Ethanol
trans-1,2-Dichloroethene
trans-1,4-Dichloro-2-butene
Vinyl chloride

9110874-MSD1 *Source: SB03742-06*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

1,1-Dichloroethene
Bromomethane
Carbon disulfide
Chloroethane
Chloromethane
Dichlorodifluoromethane (Freon12)
Ethanol
trans-1,2-Dichloroethene
trans-1,4-Dichloro-2-butene
Vinyl chloride

SW846 8260B

Samples:

S910929-CCV1

Analyte percent drift/percent difference is greater than 30%, data is accepted due to all CCC analytes passing within the 20% Drift/Difference criteria

Dichlorodifluoromethane (Freon12)
trans-1,4-Dichloro-2-butene

This affected the following samples:

Duplicate
RSB-10 (6-8')
RSB-14 (6-8')
RSB-2 (2-4')
RSB-8 (5-7')
RSB-9 (2-4')
RSB-9 (8-10')

S910938-CCV1

Analyte percent drift/percent difference is greater than 30%, data is accepted due to all CCC analytes passing within the 20% Drift/Difference criteria

1,1,2-Trichlorotrifluoroethane (Freon 113)
Acetone
Trichlorofluoromethane (Freon 11)

Analyte quantified by quadratic equation type calibration.

Naphthalene

This affected the following samples:

RSB-10 (6-8')
RSB-14 (2-4')
RSB-14 (6-8')
RSB-2 (2-4')
RSB-8 (5-7')

S910990-CCV1

Analyte percent drift/percent difference is greater than 30%, data is accepted due to all CCC analytes passing within the 20% Drift/Difference criteria

Tetrahydrofuran

Analyte quantified by quadratic equation type calibration.

Naphthalene

This affected the following samples:

RSB-1 (1-4')
RSB-10 (1-4')
RSB-11 (1.5-3')
RSB-11 (7-8')
RSB-13 (3-5')
RSB-13 (5-8')
RSB-3 (2-4')
RSB-3 (6-8')

SW846 8260B

Samples:

S911000-CCV1

Analyte percent drift/percent difference is greater than 30%, data is accepted due to all CCC analytes passing within the 20% Drift/Difference criteria

trans-1,4-Dichloro-2-butene

This affected the following samples:

RSB-8 (1.5-4')

S911002-CCV1

Analyte percent drift/percent difference is greater than 30%, data is accepted due to all CCC analytes passing within the 20% Drift/Difference criteria

1,1,2-Trichlorotrifluoroethane (Freon 113)
Ethanol
Trichlorofluoromethane (Freon 11)

Analyte quantified by quadratic equation type calibration.

Naphthalene

This affected the following samples:

Duplicate
RSB-9 (2-4')
RSB-9 (8-10')

SB03742-01 *RSB-1 (1-4')*

Analyte quantified by quadratic equation type calibration.

Naphthalene

SB03742-02 *RSB-13 (3-5')*

Analyte quantified by quadratic equation type calibration.

Naphthalene

SB03742-03 *RSB-13 (5-8')*

Analyte quantified by quadratic equation type calibration.

Naphthalene

SB03742-05 *RSB-14 (2-4')*

Analyte quantified by quadratic equation type calibration.

Naphthalene

SB03742-06RE1 *RSB-14 (6-8')*

Analyte quantified by quadratic equation type calibration.

Naphthalene

Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

1,2-Dichloroethane-d4

SW846 8260B

Samples:

SB03742-07RE1 *RSB-2 (2-4')*

Analyte quantified by quadratic equation type calibration.

Naphthalene

SB03742-08 *RSB-11 (1.5-3')*

Analyte quantified by quadratic equation type calibration.

Naphthalene

SB03742-09 *RSB-11 (7-8')*

Analyte quantified by quadratic equation type calibration.

Naphthalene

SB03742-10 *RSB-3 (2-4')*

Analyte quantified by quadratic equation type calibration.

Naphthalene

SB03742-11 *RSB-3 (6-8')*

Analyte quantified by quadratic equation type calibration.

Naphthalene

SB03742-12 *RSB-8 (1.5-4')*

Reporting limits reflect SW846 5030 extraction technique due to interference and/or QC issues using SW846 5035A extraction technique.

SB03742-13RE1 *RSB-8 (5-7')*

Analyte quantified by quadratic equation type calibration.

Naphthalene

SB03742-14 *RSB-10 (1-4')*

Analyte quantified by quadratic equation type calibration.

Naphthalene

SB03742-15RE1 *RSB-10 (6-8')*

Analyte quantified by quadratic equation type calibration.

Naphthalene

SB03742-16RE1 *RSB-9 (2-4')*

Analyte quantified by quadratic equation type calibration.

Naphthalene

SB03742-17RE1 *RSB-9 (8-10')*

Analyte quantified by quadratic equation type calibration.

Naphthalene

SW846 8260B

Samples:

SB03742-18RE1 *Duplicate*

Analyte quantified by quadratic equation type calibration.

Naphthalene

SW846 8270C

Laboratory Control Samples:

9110808-BS1

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

Hexachlorocyclopentadiene
N-Nitrosodimethylamine

Spikes:

9110808-MS1 *Source: SB03742-05*

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

2,4-Dinitrophenol
Benzidine
Benzoic acid
Hexachlorocyclopentadiene
N-Nitrosodimethylamine
Pyridine

9110808-MSD1 *Source: SB03742-05*

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

2,4-Dinitrophenol
Benzidine
Benzoic acid
Hexachlorocyclopentadiene
N-Nitrosodimethylamine
Pyridine

SW846 8270C

Samples:

S911085-CCV1

Analyte percent drift/percent difference is greater than 30%, data is accepted due to all CCC analytes passing within the 20% Drift/Difference criteria

Aniline
Bis(2-chloroethyl)ether

The surrogate recovery was outside of established control limits in S911085-CCV1. Surrogate recoveries are set based on sample extraction. However, for CCVs and ICVs, the surrogates are directly injected and will result in higher recoveries.

2,4,6-Tribromophenol

This affected the following samples:

Duplicate
RSB-1 (1-4')
RSB-10 (1-4')
RSB-11 (1.5-3')
RSB-13 (5-8')
RSB-14 (2-4')
RSB-2 (2-4')
RSB-3 (6-8')
RSB-8 (1.5-4')
RSB-9 (2-4')

S911085-CCV2

Analyte quantified by quadratic equation type calibration.

4-Nitrophenol

The surrogate recovery was outside of established control limits in S911085-CCV2. Surrogate recoveries are set based on sample extraction. However, for CCVs and ICVs, the surrogates are directly injected and will result in higher recoveries.

2,4,6-Tribromophenol

SB03742-11 *RSB-3 (6-8')*

Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

2,4,6-Tribromophenol

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-1 (1-4') SB03742-01	127-17797-09015	Soil	04-Nov-09 08:40	05-Nov-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	10-Nov-09	10-Nov-09	9110804	
Volatile Organic Compounds						Initial weight: 5.28 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 1	BRL		µg/kg dry	5.5	1	SW846 8260B	11-Nov-09	12-Nov-09	9110846	X
67-64-1	Acetone	BRL		µg/kg dry	54.9	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.5	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.5	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.5	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.5	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.5	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	11.0	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	54.9	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	27.5	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.5	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	11.0	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.5	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	11.0	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.5	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.5	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	11.0	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.5	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.5	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.5	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	11.0	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.5	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.5	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.5	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.5	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.5	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.5	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.5	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.5	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.5	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.5	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.5	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.5	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	54.9	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.5	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.5	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	54.9	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	54.9	1	"	"	"	"	X
91-20-3	Naphthalene	BRL	CAL1	µg/kg dry	5.5	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-1 (1-4')	127-17797-09015	Soil	04-Nov-09 08:40	05-Nov-09
SB03742-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.28 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.5	1	SW846 8260B	11-Nov-09	12-Nov-09	9110846	X
100-42-5	Styrene	BRL		µg/kg dry	5.5	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.5	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.5	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.5	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.5	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.5	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.5	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.5	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.5	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.5	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.5	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	11.0	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.5	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	54.9	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.5	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.5	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.5	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.5	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	54.9	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	110	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	27.5	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2200	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*89*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*101*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*121*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*112*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
83-32-9	Acenaphthene	BRL		µg/kg dry	177	1	SW846 8270C	11-Nov-09	12-Nov-09	9110808	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	177	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	353	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	177	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	353	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	353	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	353	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	177	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	177	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	177	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	177	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	177	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	353	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	353	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-1 (1-4') SB03742-01	127-17797-09015	Soil	04-Nov-09 08:40	05-Nov-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	353	1	SW846 8270C	11-Nov-09	12-Nov-09	9110808	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	353	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	353	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	353	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	353	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	353	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	353	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	353	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	353	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	353	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	353	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	353	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	177	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	177	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	353	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	353	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	353	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	353	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	353	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	353	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	353	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	353	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	353	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	353	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	353	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	353	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	353	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	353	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	353	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	177	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	177	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	353	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	353	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	353	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	353	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	177	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	177	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	353	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	177	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	353	1	"	"	"	"	X
108-39-4, 108-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	353	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	177	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	353	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	353	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1410	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	353	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	353	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1410	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	353	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	353	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-1 (1-4') SB03742-01	127-17797-09015	Soil	04-Nov-09 08:40	05-Nov-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	353	1	SW846 8270C	11-Nov-09	12-Nov-09	9110808	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	353	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	177	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	353	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	177	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	353	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	353	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	353	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	353	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	353	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	353	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*75*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*80*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*84*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*70*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-d14*	*82*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*96*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3545A											
12674-11-2	Aroclor-1016	BRL		µg/kg dry	21.0	1	SW846 8082	11-Nov-09	14-Nov-09	9110810	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	21.0	1	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	21.0	1	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	21.0	1	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	21.0	1	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	21.0	1	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	21.0	1	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	21.0	1	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	21.0	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*87*		*30-150 %*			"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*87*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	14.2	1	+CT ETPH	11-Nov-09	11-Nov-09	9110809	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	14.2	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	14.2	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	14.2	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	14.2	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	14.2	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	14.2	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	14.2	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	14.2	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	14.2	1	"	"	"	"	
Surrogate recoveries:											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-1 (1-4') SB03742-01	127-17797-09015	Soil	04-Nov-09 08:40	05-Nov-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
3386-33-2	*1-Chlorooctadecane*	*85*		*50-150 %*			+CT ETPH	11-Nov-09	11-Nov-09	9110809	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	2.22		mg/kg dry	1.47	1	SW846 6010B	16-Nov-09	17-Nov-09	9110978	X
7440-38-2	Arsenic	1.81		mg/kg dry	1.47	1	"	"	"	"	X
7440-39-3	Barium	73.4		mg/kg dry	0.980	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.490	1	"	"	"	"	X
7440-47-3	Chromium	19.0		mg/kg dry	0.980	1	"	"	"	"	X
7439-97-6	Mercury	0.0367		mg/kg dry	0.0306	1	SW846 7471A	"	17-Nov-09	9110980	X
7439-92-1	Lead	45.3		mg/kg dry	1.47	1	SW846 6010B	"	17-Nov-09	9110978	X
7782-49-2	Selenium	3.35		mg/kg dry	1.47	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	10-Nov-09	10-Nov-09	9110788	
7440-22-4	Silver	BRL		mg/l	0.0100	1	SW846 1312/6010B	18-Nov-09	18-Nov-09	9110820	
7440-38-2	Arsenic	BRL		mg/l	0.0080	1	"	"	"	"	
7440-39-3	Barium	BRL		mg/l	0.150	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	"	19-Nov-09	9110821	
7439-92-1	Lead	BRL		mg/l	0.0150	1	SW846 1312/6010B	"	18-Nov-09	9110820	
7782-49-2	Selenium	BRL		mg/l	0.0300	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	92.8		%		1	SM2540 G Mod.	13-Nov-09	13-Nov-09	9111030	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-13 (3-5') SB03742-02	127-17797-09015	Soil	04-Nov-09 09:05	05-Nov-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	10-Nov-09	10-Nov-09	9110804	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 6.4 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 1	BRL		µg/kg dry	7.4	1	SW846 8260B	11-Nov-09	12-Nov-09	9110846	X
67-64-1	Acetone	BRL		µg/kg dry	74.4	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	7.4	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	7.4	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	14.9	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	74.4	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	37.2	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	7.4	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	14.9	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	7.4	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	14.9	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	14.9	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	7.4	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	14.9	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	74.4	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	7.4	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	74.4	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	74.4	1	"	"	"	"	X
91-20-3	Naphthalene	BRL	CAL1	µg/kg dry	7.4	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-13 (3-5') SB03742-02	127-17797-09015	Soil	04-Nov-09 09:05	05-Nov-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 6.4 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	7.4	1	SW846 8260B	11-Nov-09	12-Nov-09	9110846	X
100-42-5	Styrene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	7.4	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	7.4	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	14.9	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	74.4	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	7.4	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	7.4	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	7.4	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	7.4	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	74.4	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	149	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	37.2	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2980	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*90*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*101*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*121*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*111*		*70-130 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	36.9	1	+CT ETPH	11-Nov-09	12-Nov-09	9110817	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	36.9	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	36.9	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	36.9	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	36.9	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	36.9	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	36.9	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	36.9	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	36.9	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	36.9	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*92*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-13 (3-5')	127-17797-09015	Soil	04-Nov-09 09:05	05-Nov-09
SB03742-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	7.41		mg/kg dry	1.82	1	SW846 6010B	16-Nov-09	17-Nov-09	9110978	X
7440-38-2	Arsenic	3.76		mg/kg dry	1.82	1	"	"	"	"	X
7440-39-3	Barium	272		mg/kg dry	1.21	1	"	"	"	"	X
7440-43-9	Cadmium	1.05		mg/kg dry	0.606	1	"	"	"	"	X
7440-47-3	Chromium	47.0		mg/kg dry	1.21	1	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0411	1	SW846 7471A	"	17-Nov-09	9110980	X
7439-92-1	Lead	16.0		mg/kg dry	1.82	1	SW846 6010B	"	17-Nov-09	9110978	X
7782-49-2	Selenium	7.01		mg/kg dry	1.82	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	10-Nov-09	10-Nov-09	9110788	
7440-22-4	Silver	BRL		mg/l	0.0100	1	SW846 1312/6010B	18-Nov-09	18-Nov-09	9110820	
7440-38-2	Arsenic	BRL		mg/l	0.0080	1	"	"	"	"	
7440-39-3	Barium	BRL		mg/l	0.150	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/l	0.0050	1	"	"	"	"	
7440-47-3	Chromium	0.0104		mg/l	0.0100	1	"	"	"	"	
7439-97-6	Mercury	BRL		mg/l	0.00020	1	SW846 1312/7470A	"	19-Nov-09	9110821	
7439-92-1	Lead	BRL		mg/l	0.0150	1	SW846 1312/6010B	"	18-Nov-09	9110820	
7782-49-2	Selenium	BRL		mg/l	0.0300	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	71.6		%		1	SM2540 G Mod.	13-Nov-09	13-Nov-09	9111030	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-13 (5-8') SB03742-03	127-17797-09015	Soil	04-Nov-09 09:20	05-Nov-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	10-Nov-09	10-Nov-09	9110804	
Volatile Organic Compounds					Initial weight: 5.81 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 1	BRL		µg/kg dry	8.3	1	SW846 8260B	11-Nov-09	12-Nov-09	9110846	X
67-64-1	Acetone	BRL		µg/kg dry	82.6	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	8.3	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	8.3	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	16.5	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	82.6	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	41.3	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	8.3	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	16.5	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	8.3	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	16.5	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	16.5	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	8.3	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	16.5	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	82.6	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	8.3	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	82.6	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	82.6	1	"	"	"	"	X
91-20-3	Naphthalene	BRL	CAL1	µg/kg dry	8.3	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-13 (5-8') SB03742-03	127-17797-09015	Soil	04-Nov-09 09:20	05-Nov-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.81 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	8.3	1	SW846 8260B	11-Nov-09	12-Nov-09	9110846	X
100-42-5	Styrene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	8.3	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	8.3	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	16.5	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	82.6	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	8.3	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	8.3	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	8.3	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	8.3	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	82.6	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	165	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	41.3	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3300	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*86*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*100*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*118*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*111*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
83-32-9	Acenaphthene	BRL		µg/kg dry	231	1	SW846 8270C	11-Nov-09	12-Nov-09	9110808	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	231	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	462	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	231	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	462	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	462	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	462	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	231	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	231	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	231	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	231	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	231	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	462	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	462	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-13 (5-8') SB03742-03	127-17797-09015	Soil	04-Nov-09 09:20	05-Nov-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	462	1	SW846 8270C	11-Nov-09	12-Nov-09	9110808	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	462	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	462	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	462	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	462	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	462	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	462	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	462	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	462	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	462	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	462	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	462	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	231	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	231	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	462	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	462	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	462	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	462	1	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	BRL		µg/kg dry	462	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	462	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	462	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	462	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	462	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	462	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	462	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	462	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	462	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	462	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	462	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	231	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	231	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	462	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	462	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	462	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	462	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	231	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	231	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	462	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	231	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	462	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	462	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	231	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	462	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	462	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1850	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	462	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	462	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1850	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	462	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	462	1	"	"	"	"	X

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
RSB-13 (5-8')	127-17797-09015	Soil	04-Nov-09 09:20	05-Nov-09
SB03742-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	462	1	SW846 8270C	11-Nov-09	12-Nov-09	9110808	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	462	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	231	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	462	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	231	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	462	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	462	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	462	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	462	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	462	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	462	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*68*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*79*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*80*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*66*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*71*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*92*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3545A											
12674-11-2	Aroclor-1016	BRL		µg/kg dry	27.1	1	SW846 8082	11-Nov-09	14-Nov-09	9110810	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	27.1	1	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	27.1	1	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	27.1	1	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	27.1	1	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	27.1	1	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	27.1	1	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	27.1	1	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	27.1	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*98*		*30-150 %*			"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*91*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*98*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*89*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	18.7	1	+CT ETPH	11-Nov-09	11-Nov-09	9110809	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	18.7	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	18.7	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	18.7	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	18.7	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	18.7	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	18.7	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	18.7	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	18.7	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	18.7	1	"	"	"	"	
Surrogate recoveries:											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-13 (5-8') SB03742-03	127-17797-09015	Soil	04-Nov-09 09:20	05-Nov-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
3386-33-2	*1-Chlorooctadecane*	*67*		*50-150 %*			+CT ETPH	11-Nov-09	11-Nov-09	9110809	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	5.22		mg/kg dry	2.11	1	SW846 6010B	16-Nov-09	17-Nov-09	9110978	X
7440-38-2	Arsenic	2.38		mg/kg dry	2.11	1	"	"	"	"	X
7440-39-3	Barium	199		mg/kg dry	1.40	1	"	"	"	"	X
7440-43-9	Cadmium	0.870		mg/kg dry	0.702	1	"	"	"	"	X
7440-47-3	Chromium	35.2		mg/kg dry	1.40	1	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0405	1	SW846 7471A	"	17-Nov-09	9110980	X
7439-92-1	Lead	12.2		mg/kg dry	2.11	1	SW846 6010B	"	17-Nov-09	9110978	X
7782-49-2	Selenium	5.42		mg/kg dry	2.11	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	10-Nov-09	10-Nov-09	9110788	
7440-22-4	Silver	BRL		mg/l	0.0100	1	SW846 1312/6010B	18-Nov-09	18-Nov-09	9110820	
7440-38-2	Arsenic	BRL		mg/l	0.0080	1	"	"	"	"	
7440-39-3	Barium	BRL		mg/l	0.150	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	"	19-Nov-09	9110821	
7439-92-1	Lead	BRL		mg/l	0.0150	1	SW846 1312/6010B	"	18-Nov-09	9110820	
7782-49-2	Selenium	BRL		mg/l	0.0300	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	70.2		%		1	SM2540 G Mod.	13-Nov-09	13-Nov-09	9111030	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-13 (H2O) SB03742-04	127-17797-09015	Ground Water	04-Nov-09 09:30	05-Nov-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5030 Water MS											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 1	BRL		µg/l	1.0	1	SW846 8260B	12-Nov-09	12-Nov-09	9110953	X
67-64-1	Acetone	BRL		µg/l	10.0	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/l	0.5	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/l	1.0	1	"	"	"	"	
74-97-5	Bromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/l	0.5	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/l	5.0	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/l	1.0	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/l	0.5	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.5	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/l	1.0	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/l	0.5	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/l	1.0	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/l	5.0	1	"	"	"	"	X
91-20-3	Naphthalene	1.1		µg/l	1.0	1	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-13 (H2O) SB03742-04	127-17797-09015	Ground Water	04-Nov-09 09:30	05-Nov-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5030 Water MS											
100-42-5	Styrene	BRL		µg/l	1.0	1	SW846 8260B	12-Nov-09	12-Nov-09	9110953	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
108-88-3	Toluene	1.1		µg/l	1.0	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/l	1.0	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/l	10.0	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/l	1.0	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/l	1.0	1	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	X
108-20-3	Di-isopropyl ether	BRL		µg/l	1.0	1	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/l	10.0	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/l	20.0	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/l	5.0	1	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/l	400	1	"	"	"	"	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*93*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*100*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*105*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*107*		*70-130 %*			"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-14 (2-4') SB03742-05	127-17797-09015	Soil	04-Nov-09 09:55	05-Nov-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	10-Nov-09	10-Nov-09	9110804	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.59 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 1	BRL		µg/kg dry	7.1	1	SW846 8260B	12-Nov-09	12-Nov-09	9110950	X
67-64-1	Acetone	BRL		µg/kg dry	70.9	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	7.1	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	7.1	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	7.1	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	7.1	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	14.2	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	70.9	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	35.4	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	7.1	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	14.2	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	7.1	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	14.2	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	14.2	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	7.1	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	7.1	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	7.1	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	14.2	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	7.1	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	7.1	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	7.1	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	7.1	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	7.1	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	70.9	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	7.1	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	70.9	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	70.9	1	"	"	"	"	X
91-20-3	Naphthalene	BRL	CAL1	µg/kg dry	7.1	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-14 (2-4') SB03742-05	127-17797-09015	Soil	04-Nov-09 09:55	05-Nov-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.59 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	7.1	1	SW846 8260B	12-Nov-09	12-Nov-09	9110950	X
100-42-5	Styrene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	7.1	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	7.1	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
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	"	"	"	"	X
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	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	7.1	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	7.1	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	7.1	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	7.1	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	14.2	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	70.9	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	70.9	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	142	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	35.4	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2840	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*94*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*101*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*119*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*111*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
83-32-9	Acenaphthene	BRL		µg/kg dry	206	1	SW846 8270C	11-Nov-09	11-Nov-09	9110808	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	206	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	413	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	206	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	413	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	413	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	413	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	206	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	206	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	206	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	206	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	206	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	413	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	413	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-14 (2-4')	127-17797-09015	Soil	04-Nov-09 09:55	05-Nov-09
SB03742-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	413	1	SW846 8270C	11-Nov-09	11-Nov-09	9110808	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	413	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	413	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	413	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	413	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	413	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	413	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	413	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	413	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	413	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	413	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	413	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	206	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	206	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	413	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	413	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	413	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	413	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	413	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	413	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	413	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	413	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	413	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	413	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	413	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	413	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	413	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	413	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	413	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	206	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	206	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	413	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	413	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	413	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	413	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	206	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	206	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	413	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	206	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	413	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	413	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	206	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	413	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	413	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1650	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	413	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	413	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1650	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	413	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	413	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-14 (2-4') SB03742-05	127-17797-09015	Soil	04-Nov-09 09:55	05-Nov-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	413	1	SW846 8270C	11-Nov-09	11-Nov-09	9110808	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	413	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	206	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	413	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	206	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	413	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	413	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	413	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	413	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	413	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	413	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*64*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*72*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*73*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*59*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-d14*	*59*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*82*		*15-110 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	16.6	1	+CT ETPH	11-Nov-09	11-Nov-09	9110809	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	16.6	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	16.6	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	16.6	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	16.6	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	16.6	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	16.6	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	16.6	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	16.6	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	16.6	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*79*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	3.64		mg/kg dry	1.78	1	SW846 6010B	16-Nov-09	17-Nov-09	9110978	X
7440-38-2	Arsenic	2.73		mg/kg dry	1.78	1	"	"	"	"	X
7440-39-3	Barium	140		mg/kg dry	1.19	1	"	"	"	"	X
7440-43-9	Cadmium	0.660		mg/kg dry	0.595	1	"	"	"	"	X
7440-47-3	Chromium	22.2		mg/kg dry	1.19	1	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0371	1	SW846 7471A	"	17-Nov-09	9110980	X
7439-92-1	Lead	16.2		mg/kg dry	1.78	1	SW846 6010B	"	17-Nov-09	9110978	X
7782-49-2	Selenium	3.92		mg/kg dry	1.78	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	10-Nov-09	10-Nov-09	9110788	
7440-22-4	Silver	BRL		mg/l	0.0100	1	SW846 1312/6010B	18-Nov-09	18-Nov-09	9110820	
7440-38-2	Arsenic	BRL		mg/l	0.0080	1	"	"	"	"	
7440-39-3	Barium	0.202		mg/l	0.150	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/l	0.0050	1	"	"	"	"	
7440-47-3	Chromium	BRL		mg/l	0.0100	1	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-14 (2-4') SB03742-05	127-17797-09015	Soil	04-Nov-09 09:55	05-Nov-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
7439-97-6	Mercury	BRL		mg/l	0.00020	1	SW846 1312/7470A	18-Nov-09	19-Nov-09	9110821	
7439-92-1	Lead	BRL		mg/l	0.0150	1	SW846 1312/6010B	"	18-Nov-09	9110820	
7782-49-2	Selenium	BRL		mg/l	0.0300	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	78.4		%		1	SM2540 G Mod.	13-Nov-09	13-Nov-09	9111030	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-14 (6-8') SB03742-06	127-17797-09015	Soil	04-Nov-09 10:05	05-Nov-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	10-Nov-09	10-Nov-09	9110804	
Volatile Organic Compounds						Initial weight: 7.74 g					
Prepared by method SW846 5035A Soil (low level)											
Re-analysis of Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 1	BRL		µg/kg dry	6.8	1	SW846 8260B	12-Nov-09	12-Nov-09	9110950	X
67-64-1	Acetone	BRL		µg/kg dry	67.5	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.8	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.8	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.8	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.8	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	13.5	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	67.5	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	33.8	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.8	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	13.5	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.8	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	13.5	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	13.5	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.8	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.8	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	6.8	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	13.5	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.8	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.8	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.8	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.8	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.8	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	67.5	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.8	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	67.5	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-14 (6-8') SB03742-06	127-17797-09015	Soil	04-Nov-09 10:05	05-Nov-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 7.74 g						
Re-analysis of Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)											
75-09-2	Methylene chloride	BRL		µg/kg dry	67.5	1	SW846 8260B	12-Nov-09	12-Nov-09	9110950	X
91-20-3	Naphthalene	BRL	CAL1	µg/kg dry	6.8	1	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.8	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.8	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.8	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.8	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.8	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.8	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.8	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.8	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.8	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	13.5	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	67.5	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.8	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.8	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.8	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.8	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	67.5	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	135	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	33.8	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2700	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*92*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*102*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*131*	SGC	*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*114*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3545A											
12674-11-2	Aroclor-1016	BRL		µg/kg dry	28.5	1	SW846 8082	11-Nov-09	14-Nov-09	9110810	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	28.5	1	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	28.5	1	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	28.5	1	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	28.5	1	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	28.5	1	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	28.5	1	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	28.5	1	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	28.5	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-14 (6-8') SB03742-06	127-17797-09015	Soil	04-Nov-09 10:05	05-Nov-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3545A											
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*81*		*30-150 %*			SW846 8082	11-Nov-09	14-Nov-09	9110810	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*78*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*84*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*77*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	36.6	1	+CT ETPH	11-Nov-09	12-Nov-09	9110817	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	36.6	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	36.6	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	36.6	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	36.6	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	36.6	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	36.6	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	36.6	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	36.6	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	36.6	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*93*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	7.77		mg/kg dry	1.93	1	SW846 6010B	16-Nov-09	17-Nov-09	9110978	X
7440-38-2	Arsenic	3.21		mg/kg dry	1.93	1	"	"	"	"	X
7440-39-3	Barium	248		mg/kg dry	1.29	1	"	"	"	"	X
7440-43-9	Cadmium	1.00		mg/kg dry	0.643	1	"	"	"	"	X
7440-47-3	Chromium	45.9		mg/kg dry	1.29	1	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0381	1	SW846 7471A	"	17-Nov-09	9110980	X
7439-92-1	Lead	16.0		mg/kg dry	1.93	1	SW846 6010B	"	17-Nov-09	9110978	X
7782-49-2	Selenium	6.76		mg/kg dry	1.93	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	10-Nov-09	10-Nov-09	9110788	
7440-22-4	Silver	BRL		mg/l	0.0100	1	SW846 1312/6010B	18-Nov-09	18-Nov-09	9110820	
7440-38-2	Arsenic	BRL		mg/l	0.0080	1	"	"	"	"	
7440-39-3	Barium	0.201		mg/l	0.150	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	"	19-Nov-09	9110821	
7439-92-1	Lead	BRL		mg/l	0.0150	1	SW846 1312/6010B	"	18-Nov-09	9110820	
7782-49-2	Selenium	BRL		mg/l	0.0300	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	70.0		%		1	SM2540 G Mod.	13-Nov-09	13-Nov-09	9111030	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-2 (2-4') SB03742-07	127-17797-09015	Soil	04-Nov-09 11:00	05-Nov-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	10-Nov-09	10-Nov-09	9110804	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.78 g						
Re-analysis of Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 1	BRL		µg/kg dry	6.2	1	SW846 8260B	12-Nov-09	12-Nov-09	9110950	X
67-64-1	Acetone	BRL		µg/kg dry	62.4	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.2	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.2	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	12.5	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	62.4	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	31.2	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.2	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	12.5	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.2	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	12.5	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	12.5	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.2	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	12.5	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	62.4	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.2	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	62.4	1	"	"	"	"	X

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
RSB-2 (2-4') SB03742-07	127-17797-09015	Soil	04-Nov-09 11:00	05-Nov-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds						Initial weight: 5.78 g					
Prepared by method SW846 5035A Soil (low level)											
Re-analysis of Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)											
75-09-2	Methylene chloride	BRL		µg/kg dry	62.4	1	SW846 8260B	12-Nov-09	12-Nov-09	9110950	X
91-20-3	Naphthalene	BRL	CAL1	µg/kg dry	6.2	1	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.2	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.2	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	12.5	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	62.4	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.2	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.2	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.2	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.2	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	62.4	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	125	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	31.2	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2500	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*77*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*100*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*125*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*115*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
83-32-9	Acenaphthene	BRL		µg/kg dry	193	1	SW846 8270C	11-Nov-09	12-Nov-09	9110808	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	193	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	386	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	193	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	386	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	386	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	386	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	193	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	193	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	193	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-2 (2-4') SB03742-07	127-17797-09015	Soil	04-Nov-09 11:00	05-Nov-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	193	1	SW846 8270C	11-Nov-09	12-Nov-09	9110808	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	193	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	386	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	386	1	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	386	1	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	386	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	386	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	386	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	386	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	386	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	386	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	386	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	386	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	386	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	386	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	386	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	193	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	193	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	386	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	386	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	386	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	386	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	386	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	386	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	386	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	386	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	386	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	386	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	386	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	386	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	386	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	386	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	386	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	193	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	193	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	386	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	386	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	386	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	386	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	193	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	193	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	386	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	193	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	386	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	386	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	193	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	386	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	386	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1540	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	386	1	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-2 (2-4') SB03742-07	127-17797-09015	Soil	04-Nov-09 11:00	05-Nov-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
88-75-5	2-Nitrophenol	BRL		µg/kg dry	386	1	SW846 8270C	11-Nov-09	12-Nov-09	9110808	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1540	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	386	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	386	1	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	386	1	"	"	"	"	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	386	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	193	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	386	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	193	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	386	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	386	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	386	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	386	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	386	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	386	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*72*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*79*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*78*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*67*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-d14*	*77*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*96*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3545A											
12674-11-2	Aroclor-1016	BRL		µg/kg dry	22.6	1	SW846 8082	11-Nov-09	14-Nov-09	9110810	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	22.6	1	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	22.6	1	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	22.6	1	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	22.6	1	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	22.6	1	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	22.6	1	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	22.6	1	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	22.6	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*72*		*30-150 %*			"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*77*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*91*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*84*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	15.5	1	+CT ETPH	11-Nov-09	11-Nov-09	9110809	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	15.5	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	15.5	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	15.5	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	15.5	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	15.5	1	"	"	"	"	
	Unidentified	31.5		mg/kg dry	15.5	1	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-2 (2-4') SB03742-07	127-17797-09015	Soil	04-Nov-09 11:00	05-Nov-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
	Other Oil	Calculated as		mg/kg dry	15.5	1	+CT ETPH	11-Nov-09	11-Nov-09	9110809	
	Total Petroleum Hydrocarbons	31.5		mg/kg dry	15.5	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	31.5		mg/kg dry	15.5	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*81*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	3.07		mg/kg dry	1.53	1	SW846 6010B	16-Nov-09	17-Nov-09	9110978	X
7440-38-2	Arsenic	2.20		mg/kg dry	1.53	1	"	"	"	"	X
7440-39-3	Barium	109		mg/kg dry	1.02	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.509	1	"	"	"	"	X
7440-47-3	Chromium	21.6		mg/kg dry	1.02	1	"	"	"	"	X
7439-97-6	Mercury	0.0765		mg/kg dry	0.0347	1	SW846 7471A	"	17-Nov-09	9110980	X
7439-92-1	Lead	104		mg/kg dry	1.53	1	SW846 6010B	"	17-Nov-09	9110978	X
7782-49-2	Selenium	4.06		mg/kg dry	1.53	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	10-Nov-09	10-Nov-09	9110788	
7440-22-4	Silver	BRL		mg/l	0.0100	1	SW846 1312/6010B	18-Nov-09	18-Nov-09	9110820	
7440-38-2	Arsenic	BRL		mg/l	0.0080	1	"	"	"	"	
7440-39-3	Barium	3.06		mg/l	0.150	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/l	0.0050	1	"	"	"	"	
7440-47-3	Chromium	0.0128		mg/l	0.0100	1	"	"	"	"	
7439-97-6	Mercury	BRL		mg/l	0.00020	1	SW846 1312/7470A	"	19-Nov-09	9110821	
7439-92-1	Lead	0.0161		mg/l	0.0150	1	SW846 1312/6010B	"	18-Nov-09	9110820	
7782-49-2	Selenium	BRL		mg/l	0.0300	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	83.0		%		1	SM2540 G Mod.	13-Nov-09	13-Nov-09	9111030	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-11 (1.5-3') SB03742-08	127-17797-09015	Soil	04-Nov-09 11:25	05-Nov-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	10-Nov-09	10-Nov-09	9110804	
Volatile Organic Compounds						Initial weight: 5.33 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 1	BRL		µg/kg dry	5.7	1	SW846 8260B	11-Nov-09	12-Nov-09	9110846	X
67-64-1	Acetone	BRL		µg/kg dry	57.3	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.7	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.7	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	11.5	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	57.3	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	28.7	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.7	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	11.5	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.7	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	11.5	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	11.5	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.7	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	11.5	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	57.3	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.7	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	57.3	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	57.3	1	"	"	"	"	X
91-20-3	Naphthalene	BRL	CAL1	µg/kg dry	5.7	1	"	"	"	"	X

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
RSB-11 (1.5-3') SB03742-08	127-17797-09015	Soil	04-Nov-09 11:25	05-Nov-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.33 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.7	1	SW846 8260B	11-Nov-09	12-Nov-09	9110846	X
100-42-5	Styrene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
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	"	"	"	"	X
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	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.7	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.7	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	11.5	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	57.3	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	57.3	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	115	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	28.7	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2290	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*90*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*102*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*123*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*113*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
83-32-9	Acenaphthene	BRL		µg/kg dry	182	1	SW846 8270C	11-Nov-09	12-Nov-09	9110808	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	182	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	365	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	182	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	365	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	365	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	365	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	182	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	182	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	182	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	182	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	182	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	365	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	365	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-11 (1.5-3') SB03742-08	127-17797-09015	Soil	04-Nov-09 11:25	05-Nov-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	365	1	SW846 8270C	11-Nov-09	12-Nov-09	9110808	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	365	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	365	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	365	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	365	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	365	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	365	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	365	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	365	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	365	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	365	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	365	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	182	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	182	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	365	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	365	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	365	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	365	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	365	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	365	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	365	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	365	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	365	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	365	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	365	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	365	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	365	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	365	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	365	1	"	"	"	"	X
206-44-0	Fluoranthene	272		µg/kg dry	182	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	182	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	365	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	365	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	365	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	365	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	182	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	182	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	365	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	182	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	365	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	365	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	182	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	365	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	365	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1460	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	365	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	365	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1460	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	365	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	365	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-11 (1.5-3') SB03742-08	127-17797-09015	Soil	04-Nov-09 11:25	05-Nov-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	365	1	SW846 8270C	11-Nov-09	12-Nov-09	9110808	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	365	1	"	"	"	"	X
85-01-8	Phenanthrene	273		µg/kg dry	182	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	365	1	"	"	"	"	X
129-00-0	Pyrene	272		µg/kg dry	182	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	365	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	365	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	365	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	365	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	365	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	365	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*81*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*89*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*89*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*76*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*86*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*106*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3545A											
12674-11-2	Aroclor-1016	BRL		µg/kg dry	21.2	1	SW846 8082	11-Nov-09	14-Nov-09	9110810	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	21.2	1	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	21.2	1	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	21.2	1	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	21.2	1	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	21.2	1	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	21.2	1	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	21.2	1	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	21.2	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*84*		*30-150 %*			"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*88*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*98*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	14.7	1	+CT ETPH	11-Nov-09	11-Nov-09	9110809	
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	39.1		mg/kg dry	14.7	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	14.7	1	"	"	"	"	
	Total Petroleum Hydrocarbons	39.1		mg/kg dry	14.7	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	39.1		mg/kg dry	14.7	1	"	"	"	"	
Surrogate recoveries:											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-11 (1.5-3') SB03742-08	127-17797-09015	Soil	04-Nov-09 11:25	05-Nov-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
3386-33-2	*1-Chlorooctadecane*	*95*		*50-150 %*			+CT ETPH	11-Nov-09	11-Nov-09	9110809	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.48	1	SW846 6010B	16-Nov-09	17-Nov-09	9110978	X
7440-38-2	Arsenic	BRL		mg/kg dry	1.48	1	"	"	"	"	X
7440-39-3	Barium	31.5		mg/kg dry	0.990	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.495	1	"	"	"	"	X
7440-47-3	Chromium	7.87		mg/kg dry	0.990	1	"	"	"	"	X
7439-97-6	Mercury	0.0322		mg/kg dry	0.0299	1	SW846 7471A	"	17-Nov-09	9110980	X
7439-92-1	Lead	6.09		mg/kg dry	1.48	1	SW846 6010B	"	17-Nov-09	9110978	X
7782-49-2	Selenium	1.61		mg/kg dry	1.48	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	10-Nov-09	10-Nov-09	9110788	
7440-22-4	Silver	BRL		mg/l	0.0100	1	SW846 1312/6010B	18-Nov-09	18-Nov-09	9110820	
7440-38-2	Arsenic	BRL		mg/l	0.0080	1	"	"	"	"	
7440-39-3	Barium	0.193		mg/l	0.150	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	"	19-Nov-09	9110821	
7439-92-1	Lead	BRL		mg/l	0.0150	1	SW846 1312/6010B	"	18-Nov-09	9110820	
7782-49-2	Selenium	BRL		mg/l	0.0300	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	90.3		%		1	SM2540 G Mod.	13-Nov-09	13-Nov-09	9111030	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-11 (7-8') SB03742-09	127-17797-09015	Soil	04-Nov-09 11:30	05-Nov-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	10-Nov-09	10-Nov-09	9110804	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.82 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 1	BRL		µg/kg dry	5.2	1	SW846 8260B	11-Nov-09	12-Nov-09	9110846	X
67-64-1	Acetone	BRL		µg/kg dry	51.8	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.2	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.2	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	10.4	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	51.8	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	25.9	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.2	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	10.4	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.2	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	10.4	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	10.4	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.2	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	10.4	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	51.8	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.2	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	51.8	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	51.8	1	"	"	"	"	X
91-20-3	Naphthalene	BRL	CAL1	µg/kg dry	5.2	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-11 (7-8') SB03742-09	127-17797-09015	Soil	04-Nov-09 11:30	05-Nov-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.82 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.2	1	SW846 8260B	11-Nov-09	12-Nov-09	9110846	X
100-42-5	Styrene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.2	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.2	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	10.4	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	51.8	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.2	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.2	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.2	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.2	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	51.8	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	104	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	25.9	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2070	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*98*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*101*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*121*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*111*		*70-130 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	28.7	1	+CT ETPH	11-Nov-09	12-Nov-09	9110817	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	28.7	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	28.7	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	28.7	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	28.7	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	28.7	1	"	"	"	"	
	Unidentified	30.8		mg/kg dry	28.7	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	28.7	1	"	"	"	"	
	Total Petroleum Hydrocarbons	30.8		mg/kg dry	28.7	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	30.8		mg/kg dry	28.7	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*79*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-11 (7-8') SB03742-09	127-17797-09015	Soil	04-Nov-09 11:30	05-Nov-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	1.50		mg/kg dry	1.38	1	SW846 6010B	16-Nov-09	17-Nov-09	9110978	X
7440-38-2	Arsenic	2.03		mg/kg dry	1.38	1	"	"	"	"	X
7440-39-3	Barium	116		mg/kg dry	0.923	1	"	"	"	"	X
7440-43-9	Cadmium	0.544		mg/kg dry	0.461	1	"	"	"	"	X
7440-47-3	Chromium	19.8		mg/kg dry	0.923	1	"	"	"	"	X
7439-97-6	Mercury	0.0472		mg/kg dry	0.0305	1	SW846 7471A	"	17-Nov-09	9110980	X
7439-92-1	Lead	17.9		mg/kg dry	1.38	1	SW846 6010B	"	17-Nov-09	9110978	X
7782-49-2	Selenium	2.73		mg/kg dry	1.38	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	10-Nov-09	10-Nov-09	9110788	
7440-22-4	Silver	BRL		mg/l	0.0100	1	SW846 1312/6010B	18-Nov-09	18-Nov-09	9110820	
7440-38-2	Arsenic	BRL		mg/l	0.0080	1	"	"	"	"	
7440-39-3	Barium	0.183		mg/l	0.150	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	"	19-Nov-09	9110821	
7439-92-1	Lead	BRL		mg/l	0.0150	1	SW846 1312/6010B	"	18-Nov-09	9110820	
7782-49-2	Selenium	BRL		mg/l	0.0300	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	91.3		%		1	SM2540 G Mod.	13-Nov-09	13-Nov-09	9111030	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-3 (2-4') SB03742-10	127-17797-09015	Soil	04-Nov-09 11:45	05-Nov-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	10-Nov-09	10-Nov-09	9110804	
Volatile Organic Compounds					Initial weight: 13.97 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 1	BRL		µg/kg dry	2.7	1	SW846 8260B	11-Nov-09	12-Nov-09	9110846	X
67-64-1	Acetone	BRL		µg/kg dry	27.0	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	2.7	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	2.7	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	2.7	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	2.7	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	2.7	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	2.7	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	27.0	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	2.7	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	2.7	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	2.7	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	13.5	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	2.7	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	2.7	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	2.7	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	2.7	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	2.7	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	2.7	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	2.7	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	2.7	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	2.7	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	2.7	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	2.7	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	5.4	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	2.7	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	2.7	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	2.7	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	2.7	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	2.7	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	2.7	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	2.7	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	2.7	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	2.7	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	2.7	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	2.7	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	2.7	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	2.7	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	27.0	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	2.7	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	2.7	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	2.7	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	27.0	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	27.0	1	"	"	"	"	X
91-20-3	Naphthalene	BRL	CAL1	µg/kg dry	2.7	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-3 (2-4') SB03742-10	127-17797-09015	Soil	04-Nov-09 11:45	05-Nov-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 13.97 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	2.7	1	SW846 8260B	11-Nov-09	12-Nov-09	9110846	X
100-42-5	Styrene	BRL		µg/kg dry	2.7	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	2.7	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	2.7	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	2.7	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	2.7	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	2.7	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	2.7	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	2.7	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	2.7	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	2.7	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	2.7	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	2.7	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	2.7	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	2.7	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	2.7	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	2.7	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	2.7	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	27.0	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	2.7	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	2.7	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	2.7	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	2.7	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	27.0	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	54.0	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	13.5	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	1080	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*96*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*102*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*128*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*114*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3545A											
12674-11-2	Aroclor-1016	BRL		µg/kg dry	22.3	1	SW846 8082	11-Nov-09	14-Nov-09	9110810	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	22.3	1	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	22.3	1	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	22.3	1	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	22.3	1	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	22.3	1	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	22.3	1	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	22.3	1	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	22.3	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*81*		*30-150 %*			"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*87*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*66*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*78*		*30-150 %*			"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-3 (2-4') SB03742-10	127-17797-09015	Soil	04-Nov-09 11:45	05-Nov-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	29.1	1	+CT ETPH	11-Nov-09	12-Nov-09	9110817	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	29.1	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	29.1	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	29.1	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	29.1	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	29.1	1	"	"	"	"	
	Unidentified	465		mg/kg dry	29.1	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	29.1	1	"	"	"	"	
	Total Petroleum Hydrocarbons	465		mg/kg dry	29.1	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	465		mg/kg dry	29.1	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*69*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.64	1	SW846 6010B	16-Nov-09	17-Nov-09	9110978	X
7440-38-2	Arsenic	1.74		mg/kg dry	1.64	1	"	"	"	"	X
7440-39-3	Barium	46.0		mg/kg dry	1.09	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.546	1	"	"	"	"	X
7440-47-3	Chromium	14.5		mg/kg dry	1.09	1	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0322	1	SW846 7471A	"	17-Nov-09	9110980	X
7439-92-1	Lead	11.2		mg/kg dry	1.64	1	SW846 6010B	"	17-Nov-09	9110978	X
7782-49-2	Selenium	2.22		mg/kg dry	1.64	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	10-Nov-09	10-Nov-09	9110788	
7440-22-4	Silver	BRL		mg/l	0.0100	1	SW846 1312/6010B	18-Nov-09	18-Nov-09	9110820	
7440-38-2	Arsenic	BRL		mg/l	0.0080	1	"	"	"	"	
7440-39-3	Barium	BRL		mg/l	0.150	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/l	0.0050	1	"	"	"	"	
7440-47-3	Chromium	0.0130		mg/l	0.0100	1	"	"	"	"	
7439-97-6	Mercury	BRL		mg/l	0.00020	1	SW846 1312/7470A	"	19-Nov-09	9110821	
7439-92-1	Lead	BRL		mg/l	0.0150	1	SW846 1312/6010B	"	18-Nov-09	9110820	
7782-49-2	Selenium	BRL		mg/l	0.0300	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	88.2		%		1	SM2540 G Mod.	13-Nov-09	13-Nov-09	9111030	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-3 (6-8') SB03742-11	127-17797-09015	Soil	04-Nov-09 11:55	05-Nov-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	10-Nov-09	10-Nov-09	9110804	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 4.42 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 1	BRL		µg/kg dry	7.1	1	SW846 8260B	11-Nov-09	12-Nov-09	9110846	X
67-64-1	Acetone	BRL		µg/kg dry	71.5	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	7.1	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	7.1	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	7.1	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	7.1	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	14.3	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	71.5	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	35.7	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	7.1	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	14.3	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	7.1	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	14.3	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	14.3	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	7.1	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	7.1	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	7.1	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	14.3	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	7.1	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	7.1	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	7.1	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	7.1	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	7.1	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	71.5	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	7.1	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	71.5	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	71.5	1	"	"	"	"	X
91-20-3	Naphthalene	9.0	CAL1	µg/kg dry	7.1	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-3 (6-8') SB03742-11	127-17797-09015	Soil	04-Nov-09 11:55	05-Nov-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 4.42 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	7.1	1	SW846 8260B	11-Nov-09	12-Nov-09	9110846	X
100-42-5	Styrene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	7.1	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	7.1	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
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	"	"	"	"	X
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	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	7.1	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	7.1	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	7.1	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	7.1	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	14.3	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	71.5	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	71.5	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	143	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	35.7	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2860	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*96*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*101*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*122*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*110*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
83-32-9	Acenaphthene	BRL		µg/kg dry	185	1	SW846 8270C	11-Nov-09	12-Nov-09	9110808	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	185	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	371	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	185	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	371	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	371	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	371	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	232		µg/kg dry	185	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	193		µg/kg dry	185	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	185	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	185	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	185	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	371	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	371	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-3 (6-8')	127-17797-09015	Soil	04-Nov-09 11:55	05-Nov-09
SB03742-11				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	371	1	SW846 8270C	11-Nov-09	12-Nov-09	9110808	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	371	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	371	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	371	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	371	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	371	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	371	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	371	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	371	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	371	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	371	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	371	1	"	"	"	"	X
218-01-9	Chrysene	216		µg/kg dry	185	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	185	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	371	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	371	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	371	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	371	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	371	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	371	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	371	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	371	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	371	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	371	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	371	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	371	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	371	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	371	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	371	1	"	"	"	"	X
206-44-0	Fluoranthene	466		µg/kg dry	185	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	185	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	371	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	371	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	371	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	371	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	185	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	185	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	371	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	185	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	371	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	371	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	185	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	371	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	371	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1480	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	371	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	371	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1480	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	371	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	371	1	"	"	"	"	X

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
RSB-3 (6-8') SB03742-11	127-17797-09015	Soil	04-Nov-09 11:55	05-Nov-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	371	1	SW846 8270C	11-Nov-09	12-Nov-09	9110808	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	371	1	"	"	"	"	X
85-01-8	Phenanthrene	276		µg/kg dry	185	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	371	1	"	"	"	"	X
129-00-0	Pyrene	554		µg/kg dry	185	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	371	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	371	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	371	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	371	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	371	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	371	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*82*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*92*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*92*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*78*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-d14*	*90*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*113*	SGC	*15-110 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	14.9	1	+CT ETPH	11-Nov-09	12-Nov-09	9110809	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	14.9	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	14.9	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	14.9	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	14.9	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	14.9	1	"	"	"	"	
	Unidentified	64.7		mg/kg dry	14.9	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	14.9	1	"	"	"	"	
	Total Petroleum Hydrocarbons	64.7		mg/kg dry	14.9	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	64.7		mg/kg dry	14.9	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*103*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.62	1	SW846 6010B	16-Nov-09	17-Nov-09	9110978	X
7440-38-2	Arsenic	BRL		mg/kg dry	1.62	1	"	"	"	"	X
7440-39-3	Barium	38.1		mg/kg dry	1.08	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.539	1	"	"	"	"	X
7440-47-3	Chromium	7.55		mg/kg dry	1.08	1	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0309	1	SW846 7471A	"	17-Nov-09	9110980	X
7439-92-1	Lead	4.64		mg/kg dry	1.62	1	SW846 6010B	"	17-Nov-09	9110978	X
7782-49-2	Selenium	1.62		mg/kg dry	1.62	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	10-Nov-09	10-Nov-09	9110788	
7440-22-4	Silver	BRL		mg/l	0.0100	1	SW846 1312/6010B	18-Nov-09	18-Nov-09	9110820	
7440-38-2	Arsenic	BRL		mg/l	0.0080	1	"	"	"	"	
7440-39-3	Barium	BRL		mg/l	0.150	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/l	0.0050	1	"	"	"	"	
7440-47-3	Chromium	BRL		mg/l	0.0100	1	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-3 (6-8') SB03742-11	127-17797-09015	Soil	04-Nov-09 11:55	05-Nov-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
7439-97-6	Mercury	BRL		mg/l	0.00020	1	SW846 1312/7470A	18-Nov-09	19-Nov-09	9110821	
7439-92-1	Lead	BRL		mg/l	0.0150	1	SW846 1312/6010B	"	18-Nov-09	9110820	
7782-49-2	Selenium	BRL		mg/l	0.0300	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	87.7		%		1	SM2540 G Mod.	13-Nov-09	13-Nov-09	9111030	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-8 (1.5-4') SB03742-12	127-17797-09015	Soil	04-Nov-09 13:50	05-Nov-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	10-Nov-09	10-Nov-09	9110804	
Volatile Organic Compounds			VOC8			Initial weight: 13.64 g					
Prepared by method SW846 5030 Soil (high level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 1	BRL		µg/kg dry	83.9	50	SW846 8260B	13-Nov-09	13-Nov-09	9111062	X
67-64-1	Acetone	BRL		µg/kg dry	839	50	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	83.9	50	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	83.9	50	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	83.9	50	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	83.9	50	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	83.9	50	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	83.9	50	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	168	50	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	839	50	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	83.9	50	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	83.9	50	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	83.9	50	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	420	50	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	83.9	50	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	83.9	50	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	168	50	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	83.9	50	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	168	50	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	83.9	50	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	83.9	50	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	168	50	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	83.9	50	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	83.9	50	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	83.9	50	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	83.9	50	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	83.9	50	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	83.9	50	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	168	50	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	83.9	50	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	83.9	50	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	83.9	50	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	83.9	50	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	83.9	50	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	83.9	50	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	83.9	50	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	83.9	50	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	83.9	50	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	83.9	50	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	83.9	50	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	83.9	50	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	83.9	50	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	839	50	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	83.9	50	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	83.9	50	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	83.9	50	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	839	50	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	839	50	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	83.9	50	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-8 (1.5-4') SB03742-12	127-17797-09015	Soil	04-Nov-09 13:50	05-Nov-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds			VOC8								
Prepared by method SW846 5030 Soil (high level)					Initial weight: 13.64 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	83.9	50	SW846 8260B	13-Nov-09	13-Nov-09	9111062	X
100-42-5	Styrene	BRL		µg/kg dry	83.9	50	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	83.9	50	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	83.9	50	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	83.9	50	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	83.9	50	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	83.9	50	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	83.9	50	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	83.9	50	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	83.9	50	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	83.9	50	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	83.9	50	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	83.9	50	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	83.9	50	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	83.9	50	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	83.9	50	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	83.9	50	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	168	50	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	83.9	50	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	839	50	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	83.9	50	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	83.9	50	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	83.9	50	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	83.9	50	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	839	50	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	1680	50	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	420	50	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	33600	50	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*105*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*103*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*102*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*97*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
83-32-9	Acenaphthene	BRL		µg/kg dry	207	1	SW846 8270C	11-Nov-09	12-Nov-09	9110808	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	207	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	415	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	207	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	415	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	415	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	415	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	207	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	207	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	207	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	207	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	207	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	415	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	415	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-8 (1.5-4') SB03742-12	127-17797-09015	Soil	04-Nov-09 13:50	05-Nov-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	415	1	SW846 8270C	11-Nov-09	12-Nov-09	9110808	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	415	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	415	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	415	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	415	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	415	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	415	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	415	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	415	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	415	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	415	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	415	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	207	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	207	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	415	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	415	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	415	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	415	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	415	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	415	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	415	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	415	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	415	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	415	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	415	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	415	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	415	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	415	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	415	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	207	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	207	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	415	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	415	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	415	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	415	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	207	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	207	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	415	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	207	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	415	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	415	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	207	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	415	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	415	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1660	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	415	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	415	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1660	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	415	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	415	1	"	"	"	"	X

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
RSB-8 (1.5-4') SB03742-12	127-17797-09015	Soil	04-Nov-09 13:50	05-Nov-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	415	1	SW846 8270C	11-Nov-09	12-Nov-09	9110808	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	415	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	207	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	415	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	207	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	415	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	415	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	415	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	415	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	415	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	415	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*75*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*87*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*86*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*73*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-d14*	*79*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*103*		*15-110 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	16.7	1	+CT ETPH	11-Nov-09	12-Nov-09	9110809	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	16.7	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	16.7	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	16.7	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	16.7	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	16.7	1	"	"	"	"	
	Unidentified	50.5		mg/kg dry	16.7	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	16.7	1	"	"	"	"	
	Total Petroleum Hydrocarbons	50.5		mg/kg dry	16.7	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	50.5		mg/kg dry	16.7	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*82*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	3.86		mg/kg dry	1.76	1	SW846 6010B	16-Nov-09	17-Nov-09	9110978	X
7440-38-2	Arsenic	4.82		mg/kg dry	1.76	1	"	"	"	"	X
7440-39-3	Barium	127		mg/kg dry	1.17	1	"	"	"	"	X
7440-43-9	Cadmium	1.60		mg/kg dry	0.586	1	"	"	"	"	X
7440-47-3	Chromium	24.8		mg/kg dry	1.17	1	"	"	"	"	X
7439-97-6	Mercury	0.0688		mg/kg dry	0.0342	1	SW846 7471A	"	17-Nov-09	9110980	X
7439-92-1	Lead	48.3		mg/kg dry	1.76	1	SW846 6010B	"	17-Nov-09	9110978	X
7782-49-2	Selenium	3.80		mg/kg dry	1.76	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	10-Nov-09	10-Nov-09	9110788	
7440-22-4	Silver	BRL		mg/l	0.0100	1	SW846 1312/6010B	18-Nov-09	18-Nov-09	9110820	
7440-38-2	Arsenic	BRL		mg/l	0.0080	1	"	"	"	"	
7440-39-3	Barium	2.81		mg/l	0.150	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/l	0.0050	1	"	"	"	"	
7440-47-3	Chromium	BRL		mg/l	0.0100	1	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-8 (1.5-4') SB03742-12	127-17797-09015	Soil	04-Nov-09 13:50	05-Nov-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
7439-97-6	Mercury	BRL		mg/l	0.00020	1	SW846 1312/7470A	18-Nov-09	19-Nov-09	9110821	
7439-92-1	Lead	0.0238		mg/l	0.0150	1	SW846 1312/6010B	"	18-Nov-09	9110820	
7782-49-2	Selenium	BRL		mg/l	0.0300	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	78.4		%		1	SM2540 G Mod.	13-Nov-09	13-Nov-09	9111031	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-8 (5-7') SB03742-13	127-17797-09015	Soil	04-Nov-09 13:55	05-Nov-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	10-Nov-09	10-Nov-09	9110804	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 4.04 g						
Re-analysis of Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 1	BRL		µg/kg dry	10.3	1	SW846 8260B	12-Nov-09	12-Nov-09	9110950	X
67-64-1	Acetone	BRL		µg/kg dry	103	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	10.3	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	10.3	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	10.3	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	10.3	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	10.3	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	10.3	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	20.6	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	103	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	10.3	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	10.3	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	10.3	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	51.4	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	10.3	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	10.3	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	20.6	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	10.3	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	20.6	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	10.3	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	10.3	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	20.6	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	10.3	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	10.3	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	10.3	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	10.3	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	10.3	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	10.3	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	20.6	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	10.3	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	10.3	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	10.3	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	10.3	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	10.3	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	10.3	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	10.3	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	10.3	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	10.3	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	10.3	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	10.3	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	10.3	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	10.3	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	103	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	10.3	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	10.3	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	10.3	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	103	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-8 (5-7') SB03742-13	127-17797-09015	Soil	04-Nov-09 13:55	05-Nov-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 4.04 g					
Re-analysis of Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)											
75-09-2	Methylene chloride	BRL		µg/kg dry	103	1	SW846 8260B	12-Nov-09	12-Nov-09	9110950	X
91-20-3	Naphthalene	BRL	CAL1	µg/kg dry	10.3	1	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	10.3	1	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	10.3	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	10.3	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	10.3	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	10.3	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	10.3	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	10.3	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	10.3	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	10.3	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	10.3	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	10.3	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	10.3	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	10.3	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	10.3	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	10.3	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	10.3	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	10.3	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	20.6	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	10.3	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	103	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	10.3	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	10.3	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	10.3	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	10.3	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	103	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	206	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	51.4	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	4110	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*94*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*102*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*120*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*111*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3545A											
12674-11-2	Aroclor-1016	BRL		µg/kg dry	26.7	1	SW846 8082	11-Nov-09	14-Nov-09	9110810	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	26.7	1	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	26.7	1	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	26.7	1	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	26.7	1	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	26.7	1	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	26.7	1	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	26.7	1	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	26.7	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-8 (5-7')	127-17797-09015	Soil	04-Nov-09 13:55	05-Nov-09
SB03742-13				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3545A											
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*87*		*30-150 %*			SW846 8082	11-Nov-09	14-Nov-09	9110810	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*82*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*83*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*76*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	35.9	1	+CT ETPH	11-Nov-09	12-Nov-09	9110817	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	35.9	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	35.9	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	35.9	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	35.9	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	35.9	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	35.9	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	35.9	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	35.9	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	35.9	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*85*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	4.90		mg/kg dry	1.85	1	SW846 6010B	16-Nov-09	17-Nov-09	9110978	X
7440-38-2	Arsenic	2.19		mg/kg dry	1.85	1	"	"	"	"	X
7440-39-3	Barium	230		mg/kg dry	1.23	1	"	"	"	"	X
7440-43-9	Cadmium	0.709		mg/kg dry	0.617	1	"	"	"	"	X
7440-47-3	Chromium	29.8		mg/kg dry	1.23	1	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0368	1	SW846 7471A	"	17-Nov-09	9110980	X
7439-92-1	Lead	10.2		mg/kg dry	1.85	1	SW846 6010B	"	17-Nov-09	9110978	X
7782-49-2	Selenium	4.43		mg/kg dry	1.85	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	10-Nov-09	10-Nov-09	9110788	
7440-22-4	Silver	BRL		mg/l	0.0100	1	SW846 1312/6010B	18-Nov-09	18-Nov-09	9110820	
7440-38-2	Arsenic	BRL		mg/l	0.0080	1	"	"	"	"	
7440-39-3	Barium	BRL		mg/l	0.150	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	"	19-Nov-09	9110821	
7439-92-1	Lead	BRL		mg/l	0.0150	1	SW846 1312/6010B	"	18-Nov-09	9110820	
7782-49-2	Selenium	BRL		mg/l	0.0300	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	73.2		%		1	SM2540 G Mod.	13-Nov-09	13-Nov-09	9111031	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-10 (1-4') SB03742-14	127-17797-09015	Soil	04-Nov-09 14:05	05-Nov-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	10-Nov-09	10-Nov-09	9110804	
Volatile Organic Compounds					Initial weight: 5.28 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 1	BRL		µg/kg dry	5.7	1	SW846 8260B	11-Nov-09	12-Nov-09	9110846	X
67-64-1	Acetone	BRL		µg/kg dry	57.4	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.7	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.7	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	11.5	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	57.4	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	28.7	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.7	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	11.5	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.7	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	11.5	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	11.5	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.7	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	11.5	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	57.4	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.7	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	57.4	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	57.4	1	"	"	"	"	X
91-20-3	Naphthalene	BRL	CAL1	µg/kg dry	5.7	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-10 (1-4') SB03742-14	127-17797-09015	Soil	04-Nov-09 14:05	05-Nov-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.28 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.7	1	SW846 8260B	11-Nov-09	12-Nov-09	9110846	X
100-42-5	Styrene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
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	"	"	"	"	X
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	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.7	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.7	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	11.5	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	57.4	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	57.4	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	115	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	28.7	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2300	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*87*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*101*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*122*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*113*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
83-32-9	Acenaphthene	BRL		µg/kg dry	178	1	SW846 8270C	11-Nov-09	12-Nov-09	9110808	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	178	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	357	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	178	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	357	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	357	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	357	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	178	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	178	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	178	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	178	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	178	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	357	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	357	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-10 (1-4') SB03742-14	127-17797-09015	Soil	04-Nov-09 14:05	05-Nov-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	357	1	SW846 8270C	11-Nov-09	12-Nov-09	9110808	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	357	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	357	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	357	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	357	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	357	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	357	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	357	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	357	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	357	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	357	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	357	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	178	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	178	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	357	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	357	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	357	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	357	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	357	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	357	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	357	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	357	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	357	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	357	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	357	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	357	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	357	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	357	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	357	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	178	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	178	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	357	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	357	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	357	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	357	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	178	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	178	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	357	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	178	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	357	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	357	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	178	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	357	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	357	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1430	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	357	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	357	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1430	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	357	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	357	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-10 (1-4') SB03742-14	127-17797-09015	Soil	04-Nov-09 14:05	05-Nov-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	357	1	SW846 8270C	11-Nov-09	12-Nov-09	9110808	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	357	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	178	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	357	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	178	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	357	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	357	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	357	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	357	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	357	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	357	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*72*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*79*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*81*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*64*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-d14*	*76*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*91*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3545A											
12674-11-2	Aroclor-1016	BRL		µg/kg dry	20.6	1	SW846 8082	11-Nov-09	14-Nov-09	9110810	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	20.6	1	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	20.6	1	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	20.6	1	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	20.6	1	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	20.6	1	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	20.6	1	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	20.6	1	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	20.6	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*88*		*30-150 %*			"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*84*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*91*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*71*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	14.4	1	+CT ETPH	11-Nov-09	11-Nov-09	9110809	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	14.4	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	14.4	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	14.4	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	14.4	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	14.4	1	"	"	"	"	
	Unidentified	31.0		mg/kg dry	14.4	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	14.4	1	"	"	"	"	
	Total Petroleum Hydrocarbons	31.0		mg/kg dry	14.4	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	31.0		mg/kg dry	14.4	1	"	"	"	"	
Surrogate recoveries:											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-10 (1-4') SB03742-14	127-17797-09015	Soil	04-Nov-09 14:05	05-Nov-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
3386-33-2	*1-Chlorooctadecane*	*73*		*50-150 %*			+CT ETPH	11-Nov-09	11-Nov-09	9110809	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.64	1	SW846 6010B	16-Nov-09	17-Nov-09	9110978	X
7440-38-2	Arsenic	BRL		mg/kg dry	1.64	1	"	"	"	"	X
7440-39-3	Barium	50.1		mg/kg dry	1.10	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.548	1	"	"	"	"	X
7440-47-3	Chromium	9.74		mg/kg dry	1.10	1	"	"	"	"	X
7439-97-6	Mercury	0.164		mg/kg dry	0.0291	1	SW846 7471A	"	17-Nov-09	9110980	X
7439-92-1	Lead	17.0		mg/kg dry	1.64	1	SW846 6010B	"	17-Nov-09	9110978	X
7782-49-2	Selenium	1.82		mg/kg dry	1.64	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	10-Nov-09	10-Nov-09	9110788	
7440-22-4	Silver	BRL		mg/l	0.0100	1	SW846 1312/6010B	18-Nov-09	18-Nov-09	9110820	
7440-38-2	Arsenic	BRL		mg/l	0.0080	1	"	"	"	"	
7440-39-3	Barium	BRL		mg/l	0.150	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	"	19-Nov-09	9110821	
7439-92-1	Lead	BRL		mg/l	0.0150	1	SW846 1312/6010B	"	18-Nov-09	9110820	
7782-49-2	Selenium	BRL		mg/l	0.0300	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	90.6		%		1	SM2540 G Mod.	13-Nov-09	13-Nov-09	9111031	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-10 (6-8') SB03742-15	127-17797-09015	Soil	04-Nov-09 14:15	05-Nov-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	10-Nov-09	10-Nov-09	9110804	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 4.85 g					
Re-analysis of Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 1	BRL		µg/kg dry	6.4	1	SW846 8260B	12-Nov-09	12-Nov-09	9110950	X
67-64-1	Acetone	BRL		µg/kg dry	64.3	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.4	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.4	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.4	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.4	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.4	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	12.9	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	64.3	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	32.1	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.4	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	12.9	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.4	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	12.9	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.4	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.4	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	12.9	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.4	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.4	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	6.4	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	12.9	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.4	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.4	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.4	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.4	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.4	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.4	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.4	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.4	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.4	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.4	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.4	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.4	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	64.3	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.4	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.4	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	64.3	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-10 (6-8') SB03742-15	127-17797-09015	Soil	04-Nov-09 14:15	05-Nov-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 4.85 g					
Re-analysis of Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)											
75-09-2	Methylene chloride	BRL		µg/kg dry	64.3	1	SW846 8260B	12-Nov-09	12-Nov-09	9110950	X
91-20-3	Naphthalene	BRL	CAL1	µg/kg dry	6.4	1	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	6.4	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.4	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.4	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.4	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.4	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.4	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.4	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.4	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.4	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.4	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.4	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	12.9	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.4	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	64.3	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.4	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.4	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.4	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.4	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	64.3	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	129	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	32.1	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2570	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*90*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*102*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*124*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*111*		*70-130 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	28.6	1	+CT ETPH	11-Nov-09	12-Nov-09	9110817	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	28.6	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	28.6	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	28.6	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	28.6	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	28.6	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	28.6	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	28.6	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	28.6	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	28.6	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
RSB-10 (6-8')	127-17797-09015	Soil	04-Nov-09 14:15	05-Nov-09
SB03742-15				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*77*		*50-150 %*			+CT ETPH	11-Nov-09	12-Nov-09	9110817	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.54	1	SW846 6010B	16-Nov-09	17-Nov-09	9110978	X
7440-38-2	Arsenic	3.06		mg/kg dry	1.54	1	"	"	"	"	X
7440-39-3	Barium	112		mg/kg dry	1.03	1	"	"	"	"	X
7440-43-9	Cadmium	0.538		mg/kg dry	0.513	1	"	"	"	"	X
7440-47-3	Chromium	21.4		mg/kg dry	1.03	1	"	"	"	"	X
7439-97-6	Mercury	0.0676		mg/kg dry	0.0300	1	SW846 7471A	"	17-Nov-09	9110980	X
7439-92-1	Lead	23.7		mg/kg dry	1.54	1	SW846 6010B	"	17-Nov-09	9110978	X
7782-49-2	Selenium	2.78		mg/kg dry	1.54	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	10-Nov-09	10-Nov-09	9110788	
7440-22-4	Silver	BRL		mg/l	0.0100	1	SW846 1312/6010B	18-Nov-09	18-Nov-09	9110820	
7440-38-2	Arsenic	BRL		mg/l	0.0080	1	"	"	"	"	
7440-39-3	Barium	BRL		mg/l	0.150	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	"	19-Nov-09	9110821	
7439-92-1	Lead	BRL		mg/l	0.0150	1	SW846 1312/6010B	"	18-Nov-09	9110820	
7782-49-2	Selenium	BRL		mg/l	0.0300	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	88.9		%		1	SM2540 G Mod.	13-Nov-09	13-Nov-09	9111031	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-9 (2-4') SB03742-16	127-17797-09015	Soil	04-Nov-09 14:30	05-Nov-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	10-Nov-09	10-Nov-09	9110804	
Volatile Organic Compounds						Initial weight: 5.87 g					
Prepared by method SW846 5035A Soil (low level)											
Re-analysis of Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 1	BRL		µg/kg dry	6.2	1	SW846 8260B	12-Nov-09	12-Nov-09	9110951	X
67-64-1	Acetone	BRL		µg/kg dry	62.5	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.2	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.2	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	12.5	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	62.5	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	31.2	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.2	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	12.5	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.2	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	12.5	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	12.5	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.2	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	12.5	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	62.5	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.2	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	62.5	1	"	"	"	"	X

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
RSB-9 (2-4') SB03742-16	127-17797-09015	Soil	04-Nov-09 14:30	05-Nov-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.87 g					
Re-analysis of Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)											
75-09-2	Methylene chloride	BRL		µg/kg dry	62.5	1	SW846 8260B	12-Nov-09	12-Nov-09	9110951	X
91-20-3	Naphthalene	BRL	CAL1	µg/kg dry	6.2	1	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.2	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.2	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	12.5	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	62.5	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.2	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.2	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.2	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.2	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	62.5	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	125	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	31.2	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2500	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*92*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*101*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*119*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*110*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
83-32-9	Acenaphthene	BRL		µg/kg dry	199	1	SW846 8270C	11-Nov-09	12-Nov-09	9110808	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	199	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	399	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	199	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	399	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	399	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	399	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	199	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	199	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	199	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-9 (2-4') SB03742-16	127-17797-09015	Soil	04-Nov-09 14:30	05-Nov-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	199	1	SW846 8270C	11-Nov-09	12-Nov-09	9110808	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	199	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	399	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	399	1	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	399	1	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	399	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	399	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	399	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	399	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	399	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	399	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	399	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	399	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	399	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	399	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	399	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	199	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	199	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	399	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	399	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	399	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	399	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	399	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	399	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	399	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	399	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	399	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	399	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	399	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	399	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	399	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	399	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	399	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	199	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	199	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	399	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	399	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	399	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	399	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	199	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	199	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	399	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	199	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	399	1	"	"	"	"	X
108-39-4, 108-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	399	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	199	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	399	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	399	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1590	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	399	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-9 (2-4') SB03742-16	127-17797-09015	Soil	04-Nov-09 14:30	05-Nov-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
88-75-5	2-Nitrophenol	BRL		µg/kg dry	399	1	SW846 8270C	11-Nov-09	12-Nov-09	9110808	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1590	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	399	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	399	1	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	399	1	"	"	"	"	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	399	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	199	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	399	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	199	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	399	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	399	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	399	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	399	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	399	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	399	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*82*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*91*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*93*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*77*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-d14*	*89*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*109*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3545A											
12674-11-2	Aroclor-1016	BRL		µg/kg dry	23.4	1	SW846 8082	11-Nov-09	14-Nov-09	9110810	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	23.4	1	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	23.4	1	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	23.4	1	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	23.4	1	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	23.4	1	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	23.4	1	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	23.4	1	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	23.4	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*72*		*30-150 %*			"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*78*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*91*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*72*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	16.1	1	+CT ETPH	11-Nov-09	11-Nov-09	9110809	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	16.1	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	16.1	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	16.1	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	16.1	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	16.1	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	16.1	1	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-9 (2-4') SB03742-16	127-17797-09015	Soil	04-Nov-09 14:30	05-Nov-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
	Other Oil	BRL		mg/kg dry	16.1	1	+CT ETPH	11-Nov-09	11-Nov-09	9110809	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	16.1	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	16.1	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*83*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	4.74		mg/kg dry	1.66	1	SW846 6010B	16-Nov-09	17-Nov-09	9110978	X
7440-38-2	Arsenic	2.24		mg/kg dry	1.66	1	"	"	"	"	X
7440-39-3	Barium	107		mg/kg dry	1.10	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.552	1	"	"	"	"	X
7440-47-3	Chromium	22.9		mg/kg dry	1.10	1	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0326	1	SW846 7471A	"	17-Nov-09	9110980	X
7439-92-1	Lead	7.24		mg/kg dry	1.66	1	SW846 6010B	"	17-Nov-09	9110978	X
7782-49-2	Selenium	3.81		mg/kg dry	1.66	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	10-Nov-09	10-Nov-09	9110788	
7440-22-4	Silver	BRL		mg/l	0.0100	1	SW846 1312/6010B	18-Nov-09	18-Nov-09	9110820	
7440-38-2	Arsenic	BRL		mg/l	0.0080	1	"	"	"	"	
7440-39-3	Barium	BRL		mg/l	0.150	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	"	19-Nov-09	9110821	
7439-92-1	Lead	BRL		mg/l	0.0150	1	SW846 1312/6010B	"	18-Nov-09	9110820	
7782-49-2	Selenium	BRL		mg/l	0.0300	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	82.3		%		1	SM2540 G Mod.	13-Nov-09	13-Nov-09	9111031	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-9 (8-10') SB03742-17	127-17797-09015	Soil	04-Nov-09 14:40	05-Nov-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	10-Nov-09	10-Nov-09	9110804	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.26 g					
Re-analysis of Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 1	BRL		µg/kg dry	9.4	1	SW846 8260B	12-Nov-09	12-Nov-09	9110951	X
67-64-1	Acetone	BRL		µg/kg dry	93.6	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	9.4	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	9.4	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	9.4	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	9.4	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	18.7	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	93.6	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	46.8	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	9.4	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	18.7	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	9.4	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	18.7	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	18.7	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	9.4	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	9.4	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	9.4	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	18.7	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	9.4	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	9.4	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	9.4	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	9.4	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	9.4	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	93.6	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	9.4	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	93.6	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-9 (8-10') SB03742-17	127-17797-09015	Soil	04-Nov-09 14:40	05-Nov-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.26 g					
Re-analysis of Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)											
75-09-2	Methylene chloride	BRL		µg/kg dry	93.6	1	SW846 8260B	12-Nov-09	12-Nov-09	9110951	X
91-20-3	Naphthalene	BRL	CAL1	µg/kg dry	9.4	1	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	9.4	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	9.4	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	9.4	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	9.4	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	9.4	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	9.4	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	9.4	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	9.4	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	9.4	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	18.7	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	93.6	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	9.4	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	9.4	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	9.4	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	9.4	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	93.6	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	187	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	46.8	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3740	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*96*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*104*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*129*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*112*		*70-130 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	38.9	1	CT ETPH	11-Nov-09	12-Nov-09	9110817	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	38.9	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	38.9	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	38.9	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	38.9	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	38.9	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	38.9	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	38.9	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	38.9	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	38.9	1	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-9 (8-10') SB03742-17	127-17797-09015	Soil	04-Nov-09 14:40	05-Nov-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*89*		*50-150 %*			+CT ETPH	11-Nov-09	12-Nov-09	9110817	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	4.90		mg/kg dry	2.01	1	SW846 6010B	16-Nov-09	17-Nov-09	9110978	X
7440-38-2	Arsenic	2.56		mg/kg dry	2.01	1	"	"	"	"	X
7440-39-3	Barium	161		mg/kg dry	1.34	1	"	"	"	"	X
7440-43-9	Cadmium	0.852		mg/kg dry	0.671	1	"	"	"	"	X
7440-47-3	Chromium	33.7		mg/kg dry	1.34	1	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0410	1	SW846 7471A	"	17-Nov-09	9110980	X
7439-92-1	Lead	11.7		mg/kg dry	2.01	1	SW846 6010B	"	17-Nov-09	9110978	X
7782-49-2	Selenium	5.22		mg/kg dry	2.01	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	10-Nov-09	10-Nov-09	9110788	
7440-22-4	Silver	BRL		mg/l	0.0100	1	SW846 1312/6010B	18-Nov-09	18-Nov-09	9110820	
7440-38-2	Arsenic	BRL		mg/l	0.0080	1	"	"	"	"	
7440-39-3	Barium	3.61		mg/l	0.150	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/l	0.0050	1	"	"	"	"	
7440-47-3	Chromium	0.0102		mg/l	0.0100	1	"	"	"	"	
7439-97-6	Mercury	BRL		mg/l	0.00020	1	SW846 1312/7470A	"	19-Nov-09	9110821	
7439-92-1	Lead	BRL		mg/l	0.0150	1	SW846 1312/6010B	"	18-Nov-09	9110820	
7782-49-2	Selenium	BRL		mg/l	0.0300	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	67.9		%		1	SM2540 G Mod.	13-Nov-09	13-Nov-09	9111031	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Duplicate SB03742-18	127-17797-09015	Soil	04-Nov-09 00:00	05-Nov-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	10-Nov-09	10-Nov-09	9110804	
Volatile Organic Compounds											
Prepared by method SW846 5030 Soil (high level)					Initial weight: 15.41 g						
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*100*		*70-130 %*			SW846 8260B	11-Nov-09	12-Nov-09	9110874	
2037-26-5	*Toluene-d8*	*104*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*115*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*100*		*70-130 %*			"	"	"	"	
Re-analysis of Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 1	BRL		µg/kg dry	6.0	1	SW846 8260B	12-Nov-09	13-Nov-09	9110951	X
67-64-1	Acetone	BRL		µg/kg dry	60.1	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.0	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.0	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	12.0	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	60.1	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	30.1	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.0	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	12.0	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.0	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	12.0	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	12.0	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.0	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	12.0	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.0	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Duplicate SB03742-18	127-17797-09015	Soil	04-Nov-09 00:00	05-Nov-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.68 g					
Re-analysis of Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)											
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	60.1	1	SW846 8260B	12-Nov-09	13-Nov-09	9110951	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.0	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	60.1	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	60.1	1	"	"	"	"	X
91-20-3	Naphthalene	BRL	CAL1	µg/kg dry	6.0	1	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.0	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.0	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	12.0	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	60.1	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.0	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.0	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.0	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.0	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	60.1	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	120	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	30.1	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2400	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*89*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*101*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*122*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*111*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
83-32-9	Acenaphthene	BRL		µg/kg dry	189	1	SW846 8270C	11-Nov-09	12-Nov-09	9110808	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	189	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	378	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	189	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	378	1	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Duplicate SB03742-18	127-17797-09015	Soil	04-Nov-09 00:00	05-Nov-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	378	1	SW846 8270C	11-Nov-09	12-Nov-09	9110808	
92-87-5	Benzidine	BRL		µg/kg dry	378	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	189	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	189	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	189	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	189	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	189	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	378	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	378	1	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	378	1	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	378	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	378	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	378	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	378	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	378	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	378	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	378	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	378	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	378	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	378	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	378	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	189	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	189	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	378	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	378	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	378	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	378	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	378	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	378	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	378	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	378	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	378	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	378	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	378	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	378	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	378	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	378	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	378	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	189	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	189	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	378	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	378	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	378	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	378	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	189	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	189	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	378	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	189	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	378	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	378	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Duplicate SB03742-18	127-17797-09015	Soil	04-Nov-09 00:00	05-Nov-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
91-20-3	Naphthalene	BRL		µg/kg dry	189	1	SW846 8270C	11-Nov-09	12-Nov-09	9110808	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	378	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	378	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1510	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	378	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	378	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1510	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	378	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	378	1	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	378	1	"	"	"	"	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	378	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	189	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	378	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	189	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	378	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	378	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	378	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	378	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	378	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	378	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*81*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*94*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*95*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*80*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*87*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*107*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3545A											
12674-11-2	Aroclor-1016	BRL		µg/kg dry	22.7	1	SW846 8082	11-Nov-09	14-Nov-09	9110810	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	22.7	1	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	22.7	1	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	22.7	1	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	22.7	1	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	22.7	1	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	22.7	1	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	22.7	1	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	22.7	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*99*		*30-150 %*			"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*89*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*93*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*88*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	15.2	1	+CT ETPH	11-Nov-09	11-Nov-09	9110809	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	15.2	1	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Duplicate SB03742-18	127-17797-09015	Soil	04-Nov-09 00:00	05-Nov-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	15.2	1	+CT ETPH	11-Nov-09	11-Nov-09	9110809	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	15.2	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	15.2	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	15.2	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	15.2	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	15.2	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	15.2	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	15.2	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*88*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	3.04		mg/kg dry	1.70	1	SW846 6010B	16-Nov-09	17-Nov-09	9110978	X
7440-38-2	Arsenic	BRL		mg/kg dry	1.70	1	"	"	"	"	X
7440-39-3	Barium	99.5		mg/kg dry	1.13	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.567	1	"	"	"	"	X
7440-47-3	Chromium	23.0		mg/kg dry	1.13	1	"	"	"	"	X
7439-97-6	Mercury	0.0496		mg/kg dry	0.0340	1	SW846 7471A	"	17-Nov-09	9110980	X
7439-92-1	Lead	16.5		mg/kg dry	1.70	1	SW846 6010B	"	17-Nov-09	9110978	X
7782-49-2	Selenium	4.27		mg/kg dry	1.70	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	10-Nov-09	10-Nov-09	9110788	
7440-22-4	Silver	BRL		mg/l	0.0100	1	SW846 1312/6010B	18-Nov-09	18-Nov-09	9110820	
7440-38-2	Arsenic	BRL		mg/l	0.0080	1	"	"	"	"	
7440-39-3	Barium	3.83		mg/l	0.150	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/l	0.0050	1	"	"	"	"	
7440-47-3	Chromium	0.0115		mg/l	0.0100	1	"	"	"	"	
7439-97-6	Mercury	BRL		mg/l	0.00020	1	SW846 1312/7470A	"	19-Nov-09	9110821	
7439-92-1	Lead	BRL		mg/l	0.0150	1	SW846 1312/6010B	"	18-Nov-09	9110820	
7782-49-2	Selenium	BRL		mg/l	0.0300	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	85.4		%		1	SM2540 G Mod.	13-Nov-09	13-Nov-09	9111031	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank SB03742-19	127-17797-09015	Aqueous	04-Nov-09 09:40	05-Nov-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5030 Water MS											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 1	BRL		µg/l	1.0	1	SW846 8260B	11-Nov-09	11-Nov-09	9110841	X
67-64-1	Acetone	BRL		µg/l	10.0	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/l	0.5	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/l	1.0	1	"	"	"	"	
74-97-5	Bromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/l	0.5	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/l	5.0	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/l	1.0	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/l	0.5	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.5	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/l	1.0	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/l	0.5	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/l	1.0	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/l	5.0	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/l	1.0	1	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank SB03742-19	127-17797-09015	Aqueous	04-Nov-09 09:40	05-Nov-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5030 Water MS											
100-42-5	Styrene	BRL		µg/l	1.0	1	SW846 8260B	11-Nov-09	11-Nov-09	9110841	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/l	1.0	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/l	1.0	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/l	10.0	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/l	1.0	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/l	1.0	1	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	X
108-20-3	Di-isopropyl ether	BRL		µg/l	1.0	1	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/l	10.0	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/l	20.0	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/l	5.0	1	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/l	400	1	"	"	"	"	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*89*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*99*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*109*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*110*		*70-130 %*			"	"	"	"	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9110841 - SW846 5030 Water MS										
Blank (9110841-BLK1)										
Prepared & Analyzed: 11-Nov-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/l	1.0						
Acetone	BRL		µg/l	10.0						
Acrylonitrile	BRL		µg/l	0.5						
Benzene	BRL		µg/l	1.0						
Bromobenzene	BRL		µg/l	1.0						
Bromochloromethane	BRL		µg/l	1.0						
Bromodichloromethane	BRL		µg/l	0.5						
Bromoform	BRL		µg/l	1.0						
Bromomethane	BRL		µg/l	2.0						
2-Butanone (MEK)	BRL		µg/l	10.0						
n-Butylbenzene	BRL		µg/l	1.0						
sec-Butylbenzene	BRL		µg/l	1.0						
tert-Butylbenzene	BRL		µg/l	1.0						
Carbon disulfide	BRL		µg/l	5.0						
Carbon tetrachloride	BRL		µg/l	1.0						
Chlorobenzene	BRL		µg/l	1.0						
Chloroethane	BRL		µg/l	2.0						
Chloroform	BRL		µg/l	1.0						
Chloromethane	BRL		µg/l	2.0						
2-Chlorotoluene	BRL		µg/l	1.0						
4-Chlorotoluene	BRL		µg/l	1.0						
1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0						
Dibromochloromethane	BRL		µg/l	0.5						
1,2-Dibromoethane (EDB)	BRL		µg/l	0.5						
Dibromomethane	BRL		µg/l	1.0						
1,2-Dichlorobenzene	BRL		µg/l	1.0						
1,3-Dichlorobenzene	BRL		µg/l	1.0						
1,4-Dichlorobenzene	BRL		µg/l	1.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0						
1,1-Dichloroethane	BRL		µg/l	1.0						
1,2-Dichloroethane	BRL		µg/l	1.0						
1,1-Dichloroethene	BRL		µg/l	1.0						
cis-1,2-Dichloroethene	BRL		µg/l	1.0						
trans-1,2-Dichloroethene	BRL		µg/l	1.0						
1,2-Dichloropropane	BRL		µg/l	1.0						
1,3-Dichloropropane	BRL		µg/l	1.0						
2,2-Dichloropropane	BRL		µg/l	1.0						
1,1-Dichloropropene	BRL		µg/l	1.0						
cis-1,3-Dichloropropene	BRL		µg/l	0.5						
trans-1,3-Dichloropropene	BRL		µg/l	0.5						
Ethylbenzene	BRL		µg/l	1.0						
Hexachlorobutadiene	BRL		µg/l	0.5						
2-Hexanone (MBK)	BRL		µg/l	10.0						
Isopropylbenzene	BRL		µg/l	1.0						
4-Isopropyltoluene	BRL		µg/l	1.0						
Methyl tert-butyl ether	BRL		µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0						
Methylene chloride	BRL		µg/l	5.0						
Naphthalene	BRL		µg/l	1.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9110841 - SW846 5030 Water MS										
Blank (9110841-BLK1)										
Prepared & Analyzed: 11-Nov-09										
n-Propylbenzene	BRL		µg/l	1.0						
Styrene	BRL		µg/l	1.0						
1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0						
1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5						
Tetrachloroethene	BRL		µg/l	1.0						
Toluene	BRL		µg/l	1.0						
1,2,3-Trichlorobenzene	BRL		µg/l	1.0						
1,2,4-Trichlorobenzene	BRL		µg/l	1.0						
1,3,5-Trichlorobenzene	BRL		µg/l	1.0						
1,1,1-Trichloroethane	BRL		µg/l	1.0						
1,1,2-Trichloroethane	BRL		µg/l	1.0						
Trichloroethene	BRL		µg/l	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0						
1,2,3-Trichloropropane	BRL		µg/l	1.0						
1,2,4-Trimethylbenzene	BRL		µg/l	1.0						
1,3,5-Trimethylbenzene	BRL		µg/l	1.0						
Vinyl chloride	BRL		µg/l	1.0						
m,p-Xylene	BRL		µg/l	2.0						
o-Xylene	BRL		µg/l	1.0						
Tetrahydrofuran	BRL		µg/l	10.0						
Ethyl ether	BRL		µg/l	1.0						
Tert-amyl methyl ether	BRL		µg/l	1.0						
Ethyl tert-butyl ether	BRL		µg/l	1.0						
Di-isopropyl ether	BRL		µg/l	1.0						
Tert-Butanol / butyl alcohol	BRL		µg/l	10.0						
1,4-Dioxane	BRL		µg/l	20.0						
trans-1,4-Dichloro-2-butene	BRL		µg/l	5.0						
Ethanol	BRL		µg/l	400						
Surrogate: 4-Bromofluorobenzene	*44.6*		µg/l		*50.0*		*89*	*70-130*		
Surrogate: Toluene-d8	*50.5*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*55.6*		µg/l		*50.0*		*111*	*70-130*		
Surrogate: Dibromofluoromethane	*55.8*		µg/l		*50.0*		*112*	*70-130*		
LCS (9110841-BS1)										
Prepared & Analyzed: 11-Nov-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	28.0	QC2	µg/l		20.0		140	70-130		
Acetone	19.3		µg/l		20.0		97	60.2-138		
Acrylonitrile	22.8		µg/l		20.0		114	70-130		
Benzene	20.4		µg/l		20.0		102	70-130		
Bromobenzene	19.4		µg/l		20.0		97	70-130		
Bromochloromethane	23.0		µg/l		20.0		115	70-130		
Bromodichloromethane	20.9		µg/l		20.0		105	70-130		
Bromoform	20.9		µg/l		20.0		105	70-130		
Bromomethane	22.6		µg/l		20.0		113	56.4-147		
2-Butanone (MEK)	23.9		µg/l		20.0		120	70-142		
n-Butylbenzene	23.0		µg/l		20.0		115	70-130		
sec-Butylbenzene	22.6		µg/l		20.0		113	70-130		
tert-Butylbenzene	21.8		µg/l		20.0		109	70-130		
Carbon disulfide	21.8		µg/l		20.0		109	70-130		
Carbon tetrachloride	20.6		µg/l		20.0		103	70-130		
Chlorobenzene	24.0		µg/l		20.0		120	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9110841 - SW846 5030 Water MS										
LCS (9110841-BS1)										
Prepared & Analyzed: 11-Nov-09										
Chloroethane	21.1		µg/l		20.0		106	67.2-130		
Chloroform	23.1		µg/l		20.0		116	70-130		
Chloromethane	20.8		µg/l		20.0		104	70-130		
2-Chlorotoluene	22.6		µg/l		20.0		113	70-130		
4-Chlorotoluene	22.2		µg/l		20.0		111	70-130		
1,2-Dibromo-3-chloropropane	21.3		µg/l		20.0		106	70-130		
Dibromochloromethane	19.8		µg/l		20.0		99	68.9-130		
1,2-Dibromoethane (EDB)	19.7		µg/l		20.0		98	70-130		
Dibromomethane	22.2		µg/l		20.0		111	70-130		
1,2-Dichlorobenzene	21.0		µg/l		20.0		105	70-130		
1,3-Dichlorobenzene	20.8		µg/l		20.0		104	70-130		
1,4-Dichlorobenzene	23.2		µg/l		20.0		116	70-130		
Dichlorodifluoromethane (Freon12)	19.6		µg/l		20.0		98	54.2-135		
1,1-Dichloroethane	23.4		µg/l		20.0		117	70-130		
1,2-Dichloroethane	23.1		µg/l		20.0		115	70-130		
1,1-Dichloroethene	19.2		µg/l		20.0		96	70-130		
cis-1,2-Dichloroethene	24.5		µg/l		20.0		123	70-130		
trans-1,2-Dichloroethene	22.0		µg/l		20.0		110	70-130		
1,2-Dichloropropane	19.8		µg/l		20.0		99	70-130		
1,3-Dichloropropane	19.6		µg/l		20.0		98	70-130		
2,2-Dichloropropane	19.6		µg/l		20.0		98	70-130		
1,1-Dichloropropene	21.0		µg/l		20.0		105	70-130		
cis-1,3-Dichloropropene	20.6		µg/l		20.0		103	70-130		
trans-1,3-Dichloropropene	17.1		µg/l		20.0		85	70-130		
Ethylbenzene	20.6		µg/l		20.0		103	70-130		
Hexachlorobutadiene	20.0		µg/l		20.0		100	70-133		
2-Hexanone (MBK)	19.7		µg/l		20.0		98	70-130		
Isopropylbenzene	18.4		µg/l		20.0		92	70-130		
4-Isopropyltoluene	21.7		µg/l		20.0		108	70-130		
Methyl tert-butyl ether	19.0		µg/l		20.0		95	70-130		
4-Methyl-2-pentanone (MIBK)	20.7		µg/l		20.0		104	69.1-130		
Methylene chloride	23.9		µg/l		20.0		120	70-130		
Naphthalene	19.0		µg/l		20.0		95	70-130		
n-Propylbenzene	21.6		µg/l		20.0		108	70-130		
Styrene	22.2		µg/l		20.0		111	70-130		
1,1,1,2-Tetrachloroethane	20.1		µg/l		20.0		100	70-130		
1,1,2,2-Tetrachloroethane	21.2		µg/l		20.0		106	70-130		
Tetrachloroethene	19.7		µg/l		20.0		98	70-130		
Toluene	19.0		µg/l		20.0		95	70-130		
1,2,3-Trichlorobenzene	21.9		µg/l		20.0		110	70-130		
1,2,4-Trichlorobenzene	19.2		µg/l		20.0		96	70-130		
1,3,5-Trichlorobenzene	18.9		µg/l		20.0		94	70-130		
1,1,1-Trichloroethane	21.3		µg/l		20.0		106	70-130		
1,1,2-Trichloroethane	20.4		µg/l		20.0		102	70-130		
Trichloroethene	19.2		µg/l		20.0		96	70-130		
Trichlorofluoromethane (Freon 11)	20.7		µg/l		20.0		104	69.8-161		
1,2,3-Trichloropropane	21.3		µg/l		20.0		106	70-130		
1,2,4-Trimethylbenzene	21.4		µg/l		20.0		107	70-130		
1,3,5-Trimethylbenzene	22.3		µg/l		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 9110841 - SW846 5030 Water MS										
LCS (9110841-BS1)										
Prepared & Analyzed: 11-Nov-09										
Vinyl chloride	24.4		µg/l		20.0		122	70-130		
m,p-Xylene	44.6		µg/l		40.0		111	70-130		
o-Xylene	23.1		µg/l		20.0		116	70-130		
Tetrahydrofuran	23.6		µg/l		20.0		118	70-130		
Ethyl ether	23.0		µg/l		20.0		115	70-130		
Tert-amyl methyl ether	23.1		µg/l		20.0		116	70-130		
Ethyl tert-butyl ether	18.5		µg/l		20.0		92	70-130		
Di-isopropyl ether	19.3		µg/l		20.0		96	70-130		
Tert-Butanol / butyl alcohol	228		µg/l		200		114	70-130		
1,4-Dioxane	190		µg/l		200		95	55.2-158		
trans-1,4-Dichloro-2-butene	17.2		µg/l		20.0		86	70-130		
Ethanol	328		µg/l		400		82	70-130		
Surrogate: 4-Bromofluorobenzene	*52.1*		µg/l		*50.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*50.0*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.7*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane	*50.3*		µg/l		*50.0*		*101*	*70-130*		
LCS Dup (9110841-BSD1)										
Prepared & Analyzed: 11-Nov-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	26.3	QC2	µg/l		20.0		132	70-130	6	25
Acetone	21.2		µg/l		20.0		106	60.2-138	9	50
Acrylonitrile	23.3		µg/l		20.0		117	70-130	2	25
Benzene	19.6		µg/l		20.0		98	70-130	4	25
Bromobenzene	18.7		µg/l		20.0		94	70-130	3	25
Bromochloromethane	22.2		µg/l		20.0		111	70-130	4	25
Bromodichloromethane	20.8		µg/l		20.0		104	70-130	0.6	25
Bromoform	20.5		µg/l		20.0		102	70-130	2	25
Bromomethane	22.6		µg/l		20.0		113	56.4-147	0	50
2-Butanone (MEK)	24.5		µg/l		20.0		122	70-142	2	50
n-Butylbenzene	21.3		µg/l		20.0		107	70-130	7	25
sec-Butylbenzene	21.4		µg/l		20.0		107	70-130	5	25
tert-Butylbenzene	20.9		µg/l		20.0		104	70-130	4	25
Carbon disulfide	20.2		µg/l		20.0		101	70-130	8	25
Carbon tetrachloride	19.6		µg/l		20.0		98	70-130	5	25
Chlorobenzene	22.7		µg/l		20.0		113	70-130	6	25
Chloroethane	20.0		µg/l		20.0		100	67.2-130	5	50
Chloroform	22.6		µg/l		20.0		113	70-130	2	25
Chloromethane	18.8		µg/l		20.0		94	70-130	10	25
2-Chlorotoluene	21.4		µg/l		20.0		107	70-130	6	25
4-Chlorotoluene	21.3		µg/l		20.0		106	70-130	4	25
1,2-Dibromo-3-chloropropane	21.3		µg/l		20.0		106	70-130	0.1	25
Dibromochloromethane	20.0		µg/l		20.0		100	68.9-130	0.9	50
1,2-Dibromoethane (EDB)	19.4		µg/l		20.0		97	70-130	1	25
Dibromomethane	21.9		µg/l		20.0		109	70-130	2	25
1,2-Dichlorobenzene	20.0		µg/l		20.0		100	70-130	5	25
1,3-Dichlorobenzene	19.7		µg/l		20.0		98	70-130	6	25
1,4-Dichlorobenzene	21.7		µg/l		20.0		109	70-130	7	25
Dichlorodifluoromethane (Freon12)	18.2		µg/l		20.0		91	54.2-135	7	50
1,1-Dichloroethane	22.6		µg/l		20.0		113	70-130	3	25
1,2-Dichloroethane	23.0		µg/l		20.0		115	70-130	0.2	25
1,1-Dichloroethene	18.1		µg/l		20.0		91	70-130	6	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9110841 - SW846 5030 Water MS										
LCS Dup (9110841-BSD1)										
Prepared & Analyzed: 11-Nov-09										
cis-1,2-Dichloroethene	23.1		µg/l		20.0		116	70-130	6	25
trans-1,2-Dichloroethene	21.1		µg/l		20.0		105	70-130	4	25
1,2-Dichloropropane	19.6		µg/l		20.0		98	70-130	1	25
1,3-Dichloropropane	19.4		µg/l		20.0		97	70-130	1	25
2,2-Dichloropropane	18.4		µg/l		20.0		92	70-130	7	25
1,1-Dichloropropene	19.4		µg/l		20.0		97	70-130	8	25
cis-1,3-Dichloropropene	20.5		µg/l		20.0		103	70-130	0.6	25
trans-1,3-Dichloropropene	17.0		µg/l		20.0		85	70-130	0.1	25
Ethylbenzene	19.4		µg/l		20.0		97	70-130	6	25
Hexachlorobutadiene	18.3		µg/l		20.0		91	70-133	9	50
2-Hexanone (MBK)	20.1		µg/l		20.0		101	70-130	2	25
Isopropylbenzene	17.3		µg/l		20.0		87	70-130	6	25
4-Isopropyltoluene	20.4		µg/l		20.0		102	70-130	6	25
Methyl tert-butyl ether	19.0		µg/l		20.0		95	70-130	0.3	25
4-Methyl-2-pentanone (MIBK)	21.4		µg/l		20.0		107	69.1-130	3	50
Methylene chloride	21.2		µg/l		20.0		106	70-130	12	25
Naphthalene	18.1		µg/l		20.0		91	70-130	4	25
n-Propylbenzene	20.5		µg/l		20.0		102	70-130	6	25
Styrene	21.1		µg/l		20.0		106	70-130	5	25
1,1,1,2-Tetrachloroethane	19.7		µg/l		20.0		98	70-130	2	25
1,1,2,2-Tetrachloroethane	21.5		µg/l		20.0		107	70-130	1	25
Tetrachloroethene	18.8		µg/l		20.0		94	70-130	5	25
Toluene	18.2		µg/l		20.0		91	70-130	4	25
1,2,3-Trichlorobenzene	20.6		µg/l		20.0		103	70-130	6	25
1,2,4-Trichlorobenzene	17.8		µg/l		20.0		89	70-130	8	25
1,3,5-Trichlorobenzene	17.8		µg/l		20.0		89	70-130	6	25
1,1,1-Trichloroethane	19.2		µg/l		20.0		96	70-130	10	25
1,1,2-Trichloroethane	20.2		µg/l		20.0		101	70-130	0.9	25
Trichloroethene	18.0		µg/l		20.0		90	70-130	7	25
Trichlorofluoromethane (Freon 11)	19.1		µg/l		20.0		95	69.8-161	8	50
1,2,3-Trichloropropane	21.7		µg/l		20.0		109	70-130	2	25
1,2,4-Trimethylbenzene	20.3		µg/l		20.0		101	70-130	6	25
1,3,5-Trimethylbenzene	21.1		µg/l		20.0		105	70-130	6	25
Vinyl chloride	23.0		µg/l		20.0		115	70-130	6	25
m,p-Xylene	41.8		µg/l		40.0		104	70-130	7	25
o-Xylene	22.2		µg/l		20.0		111	70-130	4	25
Tetrahydrofuran	22.6		µg/l		20.0		113	70-130	4	25
Ethyl ether	22.9		µg/l		20.0		115	70-130	0.4	50
Tert-amyl methyl ether	23.4		µg/l		20.0		117	70-130	1	25
Ethyl tert-butyl ether	18.7		µg/l		20.0		93	70-130	1	25
Di-isopropyl ether	18.9		µg/l		20.0		94	70-130	2	25
Tert-Butanol / butyl alcohol	227		µg/l		200		113	70-130	0.5	25
1,4-Dioxane	180		µg/l		200		90	55.2-158	6	25
trans-1,4-Dichloro-2-butene	16.0		µg/l		20.0		80	70-130	7	25
Ethanol	369		µg/l		400		92	70-130	12	30
Surrogate: 4-Bromofluorobenzene	*52.3*		µg/l		*50.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*49.8*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.6*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane	*49.9*		µg/l		*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 9110846 - SW846 5035A Soil (low level)										
Blank (9110846-BLK1)										
Prepared & Analyzed: 11-Nov-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet we	5.0						
Acetone	BRL		µg/kg wet we	50.0						
Acrylonitrile	BRL		µg/kg wet we	5.0						
Benzene	BRL		µg/kg wet we	5.0						
Bromobenzene	BRL		µg/kg wet we	5.0						
Bromochloromethane	BRL		µg/kg wet we	5.0						
Bromodichloromethane	BRL		µg/kg wet we	5.0						
Bromoform	BRL		µg/kg wet we	5.0						
Bromomethane	BRL		µg/kg wet we	10.0						
2-Butanone (MEK)	BRL		µg/kg wet we	50.0						
n-Butylbenzene	BRL		µg/kg wet we	5.0						
sec-Butylbenzene	BRL		µg/kg wet we	5.0						
tert-Butylbenzene	BRL		µg/kg wet we	5.0						
Carbon disulfide	BRL		µg/kg wet we	25.0						
Carbon tetrachloride	BRL		µg/kg wet we	5.0						
Chlorobenzene	BRL		µg/kg wet we	5.0						
Chloroethane	BRL		µg/kg wet we	10.0						
Chloroform	BRL		µg/kg wet we	5.0						
Chloromethane	BRL		µg/kg wet we	10.0						
2-Chlorotoluene	BRL		µg/kg wet we	5.0						
4-Chlorotoluene	BRL		µg/kg wet we	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet we	10.0						
Dibromochloromethane	BRL		µg/kg wet we	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet we	5.0						
Dibromomethane	BRL		µg/kg wet we	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet we	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet we	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet we	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet we	10.0						
1,1-Dichloroethane	BRL		µg/kg wet we	5.0						
1,2-Dichloroethane	BRL		µg/kg wet we	5.0						
1,1-Dichloroethene	BRL		µg/kg wet we	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet we	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet we	5.0						
1,2-Dichloropropane	BRL		µg/kg wet we	5.0						
1,3-Dichloropropane	BRL		µg/kg wet we	5.0						
2,2-Dichloropropane	BRL		µg/kg wet we	5.0						
1,1-Dichloropropene	BRL		µg/kg wet we	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet we	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet we	5.0						
Ethylbenzene	BRL		µg/kg wet we	5.0						
Hexachlorobutadiene	BRL		µg/kg wet we	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet we	50.0						
Isopropylbenzene	BRL		µg/kg wet we	5.0						
4-Isopropyltoluene	BRL		µg/kg wet we	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet we	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet we	50.0						
Methylene chloride	BRL		µg/kg wet we	50.0						
Naphthalene	BRL	CAL1	µg/kg wet we	5.0						
n-Propylbenzene	BRL		µg/kg wet we	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9110846 - SW846 5035A Soil (low level)										
Blank (9110846-BLK1)										
Prepared & Analyzed: 11-Nov-09										
Styrene	BRL		µg/kg wet we	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet we	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet we	5.0						
Tetrachloroethene	BRL		µg/kg wet we	5.0						
Toluene	BRL		µg/kg wet we	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet we	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet we	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet we	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet we	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet we	5.0						
Trichloroethene	BRL		µg/kg wet we	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet we	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet we	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet we	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet we	5.0						
Vinyl chloride	BRL		µg/kg wet we	5.0						
m,p-Xylene	BRL		µg/kg wet we	10.0						
o-Xylene	BRL		µg/kg wet we	5.0						
Tetrahydrofuran	BRL		µg/kg wet we	50.0						
Ethyl ether	BRL		µg/kg wet we	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet we	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet we	5.0						
Di-isopropyl ether	BRL		µg/kg wet we	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet we	50.0						
1,4-Dioxane	BRL		µg/kg wet we	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet we	25.0						
Ethanol	BRL		µg/kg wet we	2000						
Surrogate: 4-Bromofluorobenzene	*43.2*		µg/l wet		*50.0*		*86*	*70-130*		
Surrogate: Toluene-d8	*50.4*		µg/l wet		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*59.6*		µg/l wet		*50.0*		*119*	*70-130*		
Surrogate: Dibromofluoromethane	*55.0*		µg/l wet		*50.0*		*110*	*70-130*		
LCS (9110846-BS1)										
Prepared & Analyzed: 11-Nov-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	29.3	QC2	µg/l wet		20.0		146	70-130		
Acetone	19.3		µg/l wet		20.0		96	45.6-155		
Acrylonitrile	18.7		µg/l wet		20.0		93	70-130		
Benzene	20.8		µg/l wet		20.0		104	70-130		
Bromobenzene	23.0		µg/l wet		20.0		115	70-130		
Bromochloromethane	23.8		µg/l wet		20.0		119	70-130		
Bromodichloromethane	23.8		µg/l wet		20.0		119	70-130		
Bromoform	22.9		µg/l wet		20.0		114	70-130		
Bromomethane	21.7		µg/l wet		20.0		108	67.5-130		
2-Butanone (MEK)	17.8		µg/l wet		20.0		89	66.1-134		
n-Butylbenzene	20.0		µg/l wet		20.0		100	70-130		
sec-Butylbenzene	21.5		µg/l wet		20.0		107	70-130		
tert-Butylbenzene	21.5		µg/l wet		20.0		108	70-130		
Carbon disulfide	24.9		µg/l wet		20.0		124	70-130		
Carbon tetrachloride	25.9		µg/l wet		20.0		129	70-130		
Chlorobenzene	21.0		µg/l wet		20.0		105	70-130		
Chloroethane	19.6		µg/l wet		20.0		98	65-133		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9110846 - SW846 5035A Soil (low level)										
LCS (9110846-BS1)										
Prepared & Analyzed: 11-Nov-09										
Chloroform	22.9		µg/l wet		20.0		115	70-130		
Chloromethane	16.7		µg/l wet		20.0		83	70-130		
2-Chlorotoluene	23.7		µg/l wet		20.0		118	70-130		
4-Chlorotoluene	22.9		µg/l wet		20.0		114	70-130		
1,2-Dibromo-3-chloropropane	22.2		µg/l wet		20.0		111	70-130		
Dibromochloromethane	21.9		µg/l wet		20.0		110	63.7-130		
1,2-Dibromoethane (EDB)	22.8		µg/l wet		20.0		114	70-130		
Dibromomethane	23.0		µg/l wet		20.0		115	70-130		
1,2-Dichlorobenzene	21.8		µg/l wet		20.0		109	70-130		
1,3-Dichlorobenzene	24.0		µg/l wet		20.0		120	70-130		
1,4-Dichlorobenzene	21.0		µg/l wet		20.0		105	70-130		
Dichlorodifluoromethane (Freon12)	23.3		µg/l wet		20.0		117	47.8-136		
1,1-Dichloroethane	20.5		µg/l wet		20.0		102	70-130		
1,2-Dichloroethane	22.1		µg/l wet		20.0		110	70-130		
1,1-Dichloroethene	23.4		µg/l wet		20.0		117	70-130		
cis-1,2-Dichloroethene	23.5		µg/l wet		20.0		117	70-130		
trans-1,2-Dichloroethene	21.8		µg/l wet		20.0		109	70-130		
1,2-Dichloropropane	19.2		µg/l wet		20.0		96	70-130		
1,3-Dichloropropane	21.0		µg/l wet		20.0		105	70-130		
2,2-Dichloropropane	23.8		µg/l wet		20.0		119	70-130		
1,1-Dichloropropene	22.5		µg/l wet		20.0		113	70-130		
cis-1,3-Dichloropropene	19.9		µg/l wet		20.0		99	70-130		
trans-1,3-Dichloropropene	19.9		µg/l wet		20.0		99	70-130		
Ethylbenzene	21.4		µg/l wet		20.0		107	70-130		
Hexachlorobutadiene	23.6		µg/l wet		20.0		118	70-130		
2-Hexanone (MBK)	17.2		µg/l wet		20.0		86	70-130		
Isopropylbenzene	19.0		µg/l wet		20.0		95	70-130		
4-Isopropyltoluene	21.7		µg/l wet		20.0		109	70-130		
Methyl tert-butyl ether	22.0		µg/l wet		20.0		110	70-130		
4-Methyl-2-pentanone (MIBK)	22.9		µg/l wet		20.0		115	66.5-130		
Methylene chloride	20.3		µg/l wet		20.0		101	70-130		
Naphthalene	15.7	CAL1	µg/l wet		20.0		78	70-130		
n-Propylbenzene	20.6		µg/l wet		20.0		103	70-130		
Styrene	20.0		µg/l wet		20.0		100	70-130		
1,1,1,2-Tetrachloroethane	22.4		µg/l wet		20.0		112	70-130		
1,1,2,2-Tetrachloroethane	20.8		µg/l wet		20.0		104	70-130		
Tetrachloroethene	23.9		µg/l wet		20.0		120	70-130		
Toluene	20.7		µg/l wet		20.0		104	70-130		
1,2,3-Trichlorobenzene	18.4		µg/l wet		20.0		92	70-130		
1,2,4-Trichlorobenzene	17.2		µg/l wet		20.0		86	70-130		
1,3,5-Trichlorobenzene	19.3		µg/l wet		20.0		97	70-130		
1,1,1-Trichloroethane	24.7		µg/l wet		20.0		124	70-130		
1,1,2-Trichloroethane	22.4		µg/l wet		20.0		112	70-130		
Trichloroethene	23.5		µg/l wet		20.0		118	70-130		
Trichlorofluoromethane (Freon 11)	27.8		µg/l wet		20.0		139	70-142		
1,2,3-Trichloropropane	23.2		µg/l wet		20.0		116	70-130		
1,2,4-Trimethylbenzene	20.6		µg/l wet		20.0		103	70-130		
1,3,5-Trimethylbenzene	21.2		µg/l wet		20.0		106	70-130		
Vinyl chloride	21.5		µg/l wet		20.0		108	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9110846 - SW846 5035A Soil (low level)										
LCS (9110846-BS1)										
Prepared & Analyzed: 11-Nov-09										
m,p-Xylene	43.9		µg/l wet		40.0		110	70-130		
o-Xylene	23.0		µg/l wet		20.0		115	70-130		
Tetrahydrofuran	14.6		µg/l wet		20.0		73	70-130		
Ethyl ether	21.8		µg/l wet		20.0		109	70-130		
Tert-amyl methyl ether	17.8		µg/l wet		20.0		89	70-130		
Ethyl tert-butyl ether	19.6		µg/l wet		20.0		98	70-130		
Di-isopropyl ether	16.0		µg/l wet		20.0		80	70-130		
Tert-Butanol / butyl alcohol	195		µg/l wet		200		98	70-130		
1,4-Dioxane	159		µg/l wet		200		80	56.3-148		
trans-1,4-Dichloro-2-butene	21.8		µg/l wet		20.0		109	70-130		
Ethanol	438		µg/l wet		400		109	70-130		
Surrogate: 4-Bromofluorobenzene	*52.3*		µg/l wet		*50.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*50.0*		µg/l wet		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*52.5*		µg/l wet		*50.0*		*105*	*70-130*		
Surrogate: Dibromofluoromethane	*53.8*		µg/l wet		*50.0*		*108*	*70-130*		
LCS Dup (9110846-BSD1)										
Prepared & Analyzed: 11-Nov-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	27.9	QC2	µg/l wet		20.0		140	70-130	5	25
Acetone	18.3		µg/l wet		20.0		92	45.6-155	5	50
Acrylonitrile	18.0		µg/l wet		20.0		90	70-130	4	25
Benzene	19.9		µg/l wet		20.0		100	70-130	4	25
Bromobenzene	21.3		µg/l wet		20.0		106	70-130	8	25
Bromochloromethane	22.5		µg/l wet		20.0		113	70-130	6	25
Bromodichloromethane	22.2		µg/l wet		20.0		111	70-130	7	25
Bromoform	21.9		µg/l wet		20.0		109	70-130	4	25
Bromomethane	20.5		µg/l wet		20.0		103	67.5-130	5	50
2-Butanone (MEK)	15.8		µg/l wet		20.0		79	66.1-134	12	50
n-Butylbenzene	19.1		µg/l wet		20.0		96	70-130	5	25
sec-Butylbenzene	20.5		µg/l wet		20.0		102	70-130	5	25
tert-Butylbenzene	20.3		µg/l wet		20.0		101	70-130	6	25
Carbon disulfide	23.6		µg/l wet		20.0		118	70-130	5	25
Carbon tetrachloride	24.0		µg/l wet		20.0		120	70-130	8	25
Chlorobenzene	20.1		µg/l wet		20.0		101	70-130	4	25
Chloroethane	18.6		µg/l wet		20.0		93	65-133	5	50
Chloroform	22.1		µg/l wet		20.0		111	70-130	4	25
Chloromethane	15.8		µg/l wet		20.0		79	70-130	6	25
2-Chlorotoluene	21.9		µg/l wet		20.0		109	70-130	8	25
4-Chlorotoluene	21.6		µg/l wet		20.0		108	70-130	6	25
1,2-Dibromo-3-chloropropane	19.4		µg/l wet		20.0		97	70-130	13	25
Dibromochloromethane	21.3		µg/l wet		20.0		106	63.7-130	3	50
1,2-Dibromoethane (EDB)	22.7		µg/l wet		20.0		114	70-130	0.2	25
Dibromomethane	21.7		µg/l wet		20.0		109	70-130	6	25
1,2-Dichlorobenzene	20.4		µg/l wet		20.0		102	70-130	7	25
1,3-Dichlorobenzene	22.7		µg/l wet		20.0		114	70-130	5	25
1,4-Dichlorobenzene	19.6		µg/l wet		20.0		98	70-130	7	25
Dichlorodifluoromethane (Freon12)	21.7		µg/l wet		20.0		109	47.8-136	7	50
1,1-Dichloroethane	19.3		µg/l wet		20.0		97	70-130	6	25
1,2-Dichloroethane	21.2		µg/l wet		20.0		106	70-130	4	25
1,1-Dichloroethene	23.0		µg/l wet		20.0		115	70-130	2	25
cis-1,2-Dichloroethene	22.2		µg/l wet		20.0		111	70-130	5	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9110846 - SW846 5035A Soil (low level)										
LCS Dup (9110846-BSD1)										
Prepared & Analyzed: 11-Nov-09										
trans-1,2-Dichloroethene	20.6		µg/l wet		20.0		103	70-130	6	25
1,2-Dichloropropane	18.7		µg/l wet		20.0		94	70-130	3	25
1,3-Dichloropropane	20.0		µg/l wet		20.0		100	70-130	5	25
2,2-Dichloropropane	23.0		µg/l wet		20.0		115	70-130	4	25
1,1-Dichloropropene	21.1		µg/l wet		20.0		106	70-130	6	25
cis-1,3-Dichloropropene	18.9		µg/l wet		20.0		94	70-130	5	25
trans-1,3-Dichloropropene	19.3		µg/l wet		20.0		96	70-130	3	25
Ethylbenzene	20.4		µg/l wet		20.0		102	70-130	5	25
Hexachlorobutadiene	21.7		µg/l wet		20.0		108	70-130	8	50
2-Hexanone (MBK)	16.7		µg/l wet		20.0		83	70-130	3	25
Isopropylbenzene	17.8		µg/l wet		20.0		89	70-130	7	25
4-Isopropyltoluene	20.6		µg/l wet		20.0		103	70-130	5	25
Methyl tert-butyl ether	21.3		µg/l wet		20.0		106	70-130	3	25
4-Methyl-2-pentanone (MIBK)	18.4		µg/l wet		20.0		92	66.5-130	22	50
Methylene chloride	19.0		µg/l wet		20.0		95	70-130	7	25
Naphthalene	14.4	CAL1	µg/l wet		20.0		72	70-130	9	25
n-Propylbenzene	18.9		µg/l wet		20.0		95	70-130	8	25
Styrene	18.7		µg/l wet		20.0		94	70-130	7	25
1,1,1,2-Tetrachloroethane	20.8		µg/l wet		20.0		104	70-130	7	25
1,1,2,2-Tetrachloroethane	18.8		µg/l wet		20.0		94	70-130	10	25
Tetrachloroethene	22.3		µg/l wet		20.0		111	70-130	7	25
Toluene	19.9		µg/l wet		20.0		99	70-130	4	25
1,2,3-Trichlorobenzene	16.6		µg/l wet		20.0		83	70-130	10	25
1,2,4-Trichlorobenzene	15.9		µg/l wet		20.0		79	70-130	8	25
1,3,5-Trichlorobenzene	17.7		µg/l wet		20.0		89	70-130	9	25
1,1,1-Trichloroethane	23.5		µg/l wet		20.0		118	70-130	5	25
1,1,2-Trichloroethane	20.5		µg/l wet		20.0		103	70-130	9	25
Trichloroethene	22.0		µg/l wet		20.0		110	70-130	7	25
Trichlorofluoromethane (Freon 11)	26.0		µg/l wet		20.0		130	70-142	7	50
1,2,3-Trichloropropane	21.7		µg/l wet		20.0		108	70-130	7	25
1,2,4-Trimethylbenzene	19.0		µg/l wet		20.0		95	70-130	8	25
1,3,5-Trimethylbenzene	19.8		µg/l wet		20.0		99	70-130	7	25
Vinyl chloride	20.0		µg/l wet		20.0		100	70-130	7	25
m,p-Xylene	41.5		µg/l wet		40.0		104	70-130	6	25
o-Xylene	22.0		µg/l wet		20.0		110	70-130	4	25
Tetrahydrofuran	14.2		µg/l wet		20.0		71	70-130	3	25
Ethyl ether	20.6		µg/l wet		20.0		103	70-130	6	50
Tert-amyl methyl ether	17.4		µg/l wet		20.0		87	70-130	2	25
Ethyl tert-butyl ether	18.9		µg/l wet		20.0		94	70-130	4	25
Di-isopropyl ether	15.2		µg/l wet		20.0		76	70-130	6	25
Tert-Butanol / butyl alcohol	189		µg/l wet		200		94	70-130	3	25
1,4-Dioxane	174		µg/l wet		200		87	56.3-148	9	25
trans-1,4-Dichloro-2-butene	20.5		µg/l wet		20.0		103	70-130	6	25
Ethanol	428		µg/l wet		400		107	70-130	2	30
Surrogate: 4-Bromofluorobenzene	*53.1*		µg/l wet		*50.0*		*106*	*70-130*		
Surrogate: Toluene-d8	*49.9*		µg/l wet		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*52.3*		µg/l wet		*50.0*		*105*	*70-130*		
Surrogate: Dibromofluoromethane	*53.1*		µg/l wet		*50.0*		*106*	*70-130*		
Batch 9110874 - SW846 5030 Soil (high level)										

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9110874 - SW846 5030 Soil (high level)										
Blank (9110874-BLK1)										
Prepared & Analyzed: 11-Nov-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet we	1.0						
Acetone	BRL		µg/kg wet we	10.0						
Acrylonitrile	BRL		µg/kg wet we	1.0						
Benzene	BRL		µg/kg wet we	1.0						
Bromobenzene	BRL		µg/kg wet we	1.0						
Bromochloromethane	BRL		µg/kg wet we	1.0						
Bromodichloromethane	BRL		µg/kg wet we	1.0						
Bromoform	BRL		µg/kg wet we	1.0						
Bromomethane	BRL		µg/kg wet we	2.0						
2-Butanone (MEK)	BRL		µg/kg wet we	10.0						
n-Butylbenzene	BRL		µg/kg wet we	1.0						
sec-Butylbenzene	BRL		µg/kg wet we	1.0						
tert-Butylbenzene	BRL		µg/kg wet we	1.0						
Carbon disulfide	BRL		µg/kg wet we	5.0						
Carbon tetrachloride	BRL		µg/kg wet we	1.0						
Chlorobenzene	BRL		µg/kg wet we	1.0						
Chloroethane	BRL		µg/kg wet we	2.0						
Chloroform	BRL		µg/kg wet we	1.0						
Chloromethane	BRL		µg/kg wet we	2.0						
2-Chlorotoluene	BRL		µg/kg wet we	1.0						
4-Chlorotoluene	BRL		µg/kg wet we	1.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet we	2.0						
Dibromochloromethane	BRL		µg/kg wet we	1.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet we	1.0						
Dibromomethane	BRL		µg/kg wet we	1.0						
1,2-Dichlorobenzene	BRL		µg/kg wet we	1.0						
1,3-Dichlorobenzene	BRL		µg/kg wet we	1.0						
1,4-Dichlorobenzene	BRL		µg/kg wet we	1.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet we	2.0						
1,1-Dichloroethane	BRL		µg/kg wet we	1.0						
1,2-Dichloroethane	BRL		µg/kg wet we	1.0						
1,1-Dichloroethene	BRL		µg/kg wet we	1.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet we	1.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet we	1.0						
1,2-Dichloropropane	BRL		µg/kg wet we	1.0						
1,3-Dichloropropane	BRL		µg/kg wet we	1.0						
2,2-Dichloropropane	BRL		µg/kg wet we	1.0						
1,1-Dichloropropene	BRL		µg/kg wet we	1.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet we	1.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet we	1.0						
Ethylbenzene	BRL		µg/kg wet we	1.0						
Hexachlorobutadiene	BRL		µg/kg wet we	1.0						
2-Hexanone (MBK)	BRL		µg/kg wet we	10.0						
Isopropylbenzene	BRL		µg/kg wet we	1.0						
4-Isopropyltoluene	BRL		µg/kg wet we	1.0						
Methyl tert-butyl ether	BRL		µg/kg wet we	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet we	10.0						
Methylene chloride	BRL		µg/kg wet we	10.0						
Naphthalene	BRL		µg/kg wet we	1.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9110874 - SW846 5030 Soil (high level)										
Blank (9110874-BLK1)										
Prepared & Analyzed: 11-Nov-09										
n-Propylbenzene	BRL		µg/kg wet we	1.0						
Styrene	BRL		µg/kg wet we	1.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet we	1.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet we	1.0						
Tetrachloroethene	BRL		µg/kg wet we	1.0						
Toluene	BRL		µg/kg wet we	1.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet we	1.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet we	1.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet we	1.0						
1,1,1-Trichloroethane	BRL		µg/kg wet we	1.0						
1,1,2-Trichloroethane	BRL		µg/kg wet we	1.0						
Trichloroethene	BRL		µg/kg wet we	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet we	1.0						
1,2,3-Trichloropropane	BRL		µg/kg wet we	1.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet we	1.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet we	1.0						
Vinyl chloride	BRL		µg/kg wet we	1.0						
m,p-Xylene	BRL		µg/kg wet we	2.0						
o-Xylene	BRL		µg/kg wet we	1.0						
Tetrahydrofuran	BRL		µg/kg wet we	10.0						
Ethyl ether	BRL		µg/kg wet we	1.0						
Tert-amyl methyl ether	BRL		µg/kg wet we	1.0						
Ethyl tert-butyl ether	BRL		µg/kg wet we	1.0						
Di-isopropyl ether	BRL		µg/kg wet we	1.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet we	10.0						
1,4-Dioxane	BRL		µg/kg wet we	20.0						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet we	5.0						
Ethanol	BRL		µg/kg wet we	400						
Surrogate: 4-Bromofluorobenzene	*30.1*		µg/l wet		*30.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*30.8*		µg/l wet		*30.0*		*103*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*31.0*		µg/l wet		*30.0*		*103*	*70-130*		
Surrogate: Dibromofluoromethane	*29.6*		µg/l wet		*30.0*		*99*	*70-130*		
LCS (9110874-BS1)										
Prepared & Analyzed: 11-Nov-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	22.1		µg/l wet		20.0		111	70-130		
Acetone	18.8		µg/l wet		20.0		94	45.6-155		
Acrylonitrile	19.2		µg/l wet		20.0		96	70-130		
Benzene	18.5		µg/l wet		20.0		93	70-130		
Bromobenzene	19.0		µg/l wet		20.0		95	70-130		
Bromochloromethane	18.9		µg/l wet		20.0		94	70-130		
Bromodichloromethane	20.6		µg/l wet		20.0		103	70-130		
Bromoform	17.5		µg/l wet		20.0		88	70-130		
Bromomethane	19.2		µg/l wet		20.0		96	67.5-130		
2-Butanone (MEK)	17.6		µg/l wet		20.0		88	66.1-134		
n-Butylbenzene	18.9		µg/l wet		20.0		95	70-130		
sec-Butylbenzene	19.2		µg/l wet		20.0		96	70-130		
tert-Butylbenzene	19.6		µg/l wet		20.0		98	70-130		
Carbon disulfide	20.1		µg/l wet		20.0		101	70-130		
Carbon tetrachloride	18.1		µg/l wet		20.0		91	70-130		
Chlorobenzene	19.4		µg/l wet		20.0		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 9110874 - SW846 5030 Soil (high level)										
LCS (9110874-BS1)										
Prepared & Analyzed: 11-Nov-09										
Chloroethane	17.9		µg/l wet		20.0		90	65-133		
Chloroform	18.8		µg/l wet		20.0		94	70-130		
Chloromethane	18.1		µg/l wet		20.0		90	70-130		
2-Chlorotoluene	19.7		µg/l wet		20.0		98	70-130		
4-Chlorotoluene	19.2		µg/l wet		20.0		96	70-130		
1,2-Dibromo-3-chloropropane	16.6		µg/l wet		20.0		83	70-130		
Dibromochloromethane	17.2		µg/l wet		20.0		86	63.7-130		
1,2-Dibromoethane (EDB)	19.2		µg/l wet		20.0		96	70-130		
Dibromomethane	18.4		µg/l wet		20.0		92	70-130		
1,2-Dichlorobenzene	19.1		µg/l wet		20.0		96	70-130		
1,3-Dichlorobenzene	19.6		µg/l wet		20.0		98	70-130		
1,4-Dichlorobenzene	18.5		µg/l wet		20.0		93	70-130		
Dichlorodifluoromethane (Freon12)	17.0		µg/l wet		20.0		85	47.8-136		
1,1-Dichloroethane	18.3		µg/l wet		20.0		92	70-130		
1,2-Dichloroethane	18.7		µg/l wet		20.0		93	70-130		
1,1-Dichloroethene	19.7		µg/l wet		20.0		98	70-130		
cis-1,2-Dichloroethene	19.6		µg/l wet		20.0		98	70-130		
trans-1,2-Dichloroethene	17.7		µg/l wet		20.0		88	70-130		
1,2-Dichloropropane	19.3		µg/l wet		20.0		97	70-130		
1,3-Dichloropropane	19.1		µg/l wet		20.0		95	70-130		
2,2-Dichloropropane	17.8		µg/l wet		20.0		89	70-130		
1,1-Dichloropropene	18.8		µg/l wet		20.0		94	70-130		
cis-1,3-Dichloropropene	19.1		µg/l wet		20.0		95	70-130		
trans-1,3-Dichloropropene	18.5		µg/l wet		20.0		92	70-130		
Ethylbenzene	19.0		µg/l wet		20.0		95	70-130		
Hexachlorobutadiene	17.3		µg/l wet		20.0		86	70-130		
2-Hexanone (MBK)	17.2		µg/l wet		20.0		86	70-130		
Isopropylbenzene	16.6		µg/l wet		20.0		83	70-130		
4-Isopropyltoluene	18.8		µg/l wet		20.0		94	70-130		
Methyl tert-butyl ether	15.8		µg/l wet		20.0		79	70-130		
4-Methyl-2-pentanone (MIBK)	17.0		µg/l wet		20.0		85	66.5-130		
Methylene chloride	19.4		µg/l wet		20.0		97	70-130		
Naphthalene	19.4		µg/l wet		20.0		97	70-130		
n-Propylbenzene	18.7		µg/l wet		20.0		94	70-130		
Styrene	19.5		µg/l wet		20.0		98	70-130		
1,1,1,2-Tetrachloroethane	20.2		µg/l wet		20.0		101	70-130		
1,1,2,2-Tetrachloroethane	19.3		µg/l wet		20.0		97	70-130		
Tetrachloroethene	18.7		µg/l wet		20.0		94	70-130		
Toluene	18.6		µg/l wet		20.0		93	70-130		
1,2,3-Trichlorobenzene	19.5		µg/l wet		20.0		97	70-130		
1,2,4-Trichlorobenzene	18.7		µg/l wet		20.0		93	70-130		
1,3,5-Trichlorobenzene	17.2		µg/l wet		20.0		86	70-130		
1,1,1-Trichloroethane	18.6		µg/l wet		20.0		93	70-130		
1,1,2-Trichloroethane	19.2		µg/l wet		20.0		96	70-130		
Trichloroethene	19.0		µg/l wet		20.0		95	70-130		
Trichlorofluoromethane (Freon 11)	19.7		µg/l wet		20.0		99	70-142		
1,2,3-Trichloropropane	20.3		µg/l wet		20.0		102	70-130		
1,2,4-Trimethylbenzene	18.9		µg/l wet		20.0		95	70-130		
1,3,5-Trimethylbenzene	19.3		µg/l wet		20.0		96	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9110874 - SW846 5030 Soil (high level)										
LCS (9110874-BS1)										
Prepared & Analyzed: 11-Nov-09										
Vinyl chloride	22.5		µg/l wet		20.0		112	70-130		
m,p-Xylene	38.3		µg/l wet		40.0		96	70-130		
o-Xylene	19.7		µg/l wet		20.0		98	70-130		
Tetrahydrofuran	19.7		µg/l wet		20.0		99	70-130		
Ethyl ether	18.9		µg/l wet		20.0		94	70-130		
Tert-amyl methyl ether	18.2		µg/l wet		20.0		91	70-130		
Ethyl tert-butyl ether	18.5		µg/l wet		20.0		92	70-130		
Di-isopropyl ether	18.4		µg/l wet		20.0		92	70-130		
Tert-Butanol / butyl alcohol	200		µg/l wet		200		100	70-130		
1,4-Dioxane	212		µg/l wet		200		106	56.3-148		
trans-1,4-Dichloro-2-butene	15.1		µg/l wet		20.0		76	70-130		
Ethanol	435		µg/l wet		400		109	70-130		
Surrogate: 4-Bromofluorobenzene	*30.5*		µg/l wet		*30.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*30.4*		µg/l wet		*30.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*30.1*		µg/l wet		*30.0*		*100*	*70-130*		
Surrogate: Dibromofluoromethane	*30.0*		µg/l wet		*30.0*		*100*	*70-130*		
LCS Dup (9110874-BSD1)										
Prepared & Analyzed: 11-Nov-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	21.9		µg/l wet		20.0		109	70-130	1	25
Acetone	18.8		µg/l wet		20.0		94	45.6-155	0.3	50
Acrylonitrile	19.4		µg/l wet		20.0		97	70-130	0.8	25
Benzene	18.2		µg/l wet		20.0		91	70-130	2	25
Bromobenzene	18.6		µg/l wet		20.0		93	70-130	2	25
Bromochloromethane	18.8		µg/l wet		20.0		94	70-130	0.7	25
Bromodichloromethane	20.8		µg/l wet		20.0		104	70-130	1	25
Bromoform	18.4		µg/l wet		20.0		92	70-130	5	25
Bromomethane	17.6		µg/l wet		20.0		88	67.5-130	9	50
2-Butanone (MEK)	18.7		µg/l wet		20.0		94	66.1-134	6	50
n-Butylbenzene	18.9		µg/l wet		20.0		94	70-130	0.2	25
sec-Butylbenzene	18.5		µg/l wet		20.0		93	70-130	3	25
tert-Butylbenzene	18.8		µg/l wet		20.0		94	70-130	4	25
Carbon disulfide	19.5		µg/l wet		20.0		98	70-130	3	25
Carbon tetrachloride	18.3		µg/l wet		20.0		92	70-130	0.9	25
Chlorobenzene	19.0		µg/l wet		20.0		95	70-130	2	25
Chloroethane	18.0		µg/l wet		20.0		90	65-133	0.4	50
Chloroform	18.7		µg/l wet		20.0		93	70-130	0.9	25
Chloromethane	17.8		µg/l wet		20.0		89	70-130	1	25
2-Chlorotoluene	19.3		µg/l wet		20.0		97	70-130	2	25
4-Chlorotoluene	19.0		µg/l wet		20.0		95	70-130	1	25
1,2-Dibromo-3-chloropropane	18.4		µg/l wet		20.0		92	70-130	11	25
Dibromochloromethane	17.8		µg/l wet		20.0		89	63.7-130	4	50
1,2-Dibromoethane (EDB)	19.2		µg/l wet		20.0		96	70-130	0.2	25
Dibromomethane	18.4		µg/l wet		20.0		92	70-130	0.4	25
1,2-Dichlorobenzene	19.0		µg/l wet		20.0		95	70-130	0.3	25
1,3-Dichlorobenzene	19.4		µg/l wet		20.0		97	70-130	1	25
1,4-Dichlorobenzene	18.2		µg/l wet		20.0		91	70-130	2	25
Dichlorodifluoromethane (Freon12)	17.8		µg/l wet		20.0		89	47.8-136	5	50
1,1-Dichloroethane	18.1		µg/l wet		20.0		90	70-130	1	25
1,2-Dichloroethane	18.7		µg/l wet		20.0		93	70-130	0.2	25
1,1-Dichloroethene	19.2		µg/l wet		20.0		96	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 9110874 - SW846 5030 Soil (high level)										
LCS Dup (9110874-BSD1)										
Prepared & Analyzed: 11-Nov-09										
cis-1,2-Dichloroethene	19.7		µg/l wet		20.0		98	70-130	0.5	25
trans-1,2-Dichloroethene	18.6		µg/l wet		20.0		93	70-130	5	25
1,2-Dichloropropane	18.5		µg/l wet		20.0		93	70-130	4	25
1,3-Dichloropropane	18.9		µg/l wet		20.0		94	70-130	0.9	25
2,2-Dichloropropane	17.4		µg/l wet		20.0		87	70-130	2	25
1,1-Dichloropropene	18.5		µg/l wet		20.0		93	70-130	2	25
cis-1,3-Dichloropropene	18.9		µg/l wet		20.0		94	70-130	0.9	25
trans-1,3-Dichloropropene	19.0		µg/l wet		20.0		95	70-130	3	25
Ethylbenzene	18.5		µg/l wet		20.0		93	70-130	2	25
Hexachlorobutadiene	17.3		µg/l wet		20.0		86	70-130	0	50
2-Hexanone (MBK)	18.3		µg/l wet		20.0		91	70-130	6	25
Isopropylbenzene	16.2		µg/l wet		20.0		81	70-130	2	25
4-Isopropyltoluene	18.3		µg/l wet		20.0		91	70-130	3	25
Methyl tert-butyl ether	16.0		µg/l wet		20.0		80	70-130	1	25
4-Methyl-2-pentanone (MIBK)	18.0		µg/l wet		20.0		90	66.5-130	6	50
Methylene chloride	18.9		µg/l wet		20.0		94	70-130	3	25
Naphthalene	19.2		µg/l wet		20.0		96	70-130	1	25
n-Propylbenzene	18.5		µg/l wet		20.0		92	70-130	1	25
Styrene	19.5		µg/l wet		20.0		97	70-130	0.2	25
1,1,1,2-Tetrachloroethane	20.4		µg/l wet		20.0		102	70-130	1	25
1,1,2,2-Tetrachloroethane	20.0		µg/l wet		20.0		100	70-130	3	25
Tetrachloroethene	18.4		µg/l wet		20.0		92	70-130	2	25
Toluene	18.2		µg/l wet		20.0		91	70-130	2	25
1,2,3-Trichlorobenzene	19.1		µg/l wet		20.0		95	70-130	2	25
1,2,4-Trichlorobenzene	18.4		µg/l wet		20.0		92	70-130	2	25
1,3,5-Trichlorobenzene	17.2		µg/l wet		20.0		86	70-130	0.2	25
1,1,1-Trichloroethane	18.4		µg/l wet		20.0		92	70-130	1	25
1,1,2-Trichloroethane	19.0		µg/l wet		20.0		95	70-130	1	25
Trichloroethene	18.5		µg/l wet		20.0		93	70-130	3	25
Trichlorofluoromethane (Freon 11)	19.6		µg/l wet		20.0		98	70-142	0.6	50
1,2,3-Trichloropropane	20.8		µg/l wet		20.0		104	70-130	3	25
1,2,4-Trimethylbenzene	18.7		µg/l wet		20.0		94	70-130	1	25
1,3,5-Trimethylbenzene	18.7		µg/l wet		20.0		93	70-130	3	25
Vinyl chloride	22.4		µg/l wet		20.0		112	70-130	0.6	25
m,p-Xylene	37.4		µg/l wet		40.0		94	70-130	2	25
o-Xylene	19.4		µg/l wet		20.0		97	70-130	1	25
Tetrahydrofuran	19.5		µg/l wet		20.0		98	70-130	0.9	25
Ethyl ether	18.6		µg/l wet		20.0		93	70-130	1	50
Tert-amyl methyl ether	17.9		µg/l wet		20.0		89	70-130	2	25
Ethyl tert-butyl ether	18.4		µg/l wet		20.0		92	70-130	0.2	25
Di-isopropyl ether	18.2		µg/l wet		20.0		91	70-130	0.7	25
Tert-Butanol / butyl alcohol	202		µg/l wet		200		101	70-130	1	25
1,4-Dioxane	216		µg/l wet		200		108	56.3-148	2	25
trans-1,4-Dichloro-2-butene	15.6		µg/l wet		20.0		78	70-130	3	25
Ethanol	448		µg/l wet		400		112	70-130	3	30
Surrogate: 4-Bromofluorobenzene	*30.9*		µg/l wet		*30.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*30.2*		µg/l wet		*30.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*30.5*		µg/l wet		*30.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane	*30.3*		µg/l wet		*30.0*		*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 9110874 - SW846 5030 Soil (high level)										
Matrix Spike (9110874-MS1) **Source: SB03742-06**										
Prepared & Analyzed: 11-Nov-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	18.5		µg/l dry		20.0	BRL	93	70-130		
Acetone	23.3		µg/l dry		20.0	BRL	117	70-130		
Acrylonitrile	18.5		µg/l dry		20.0	BRL	92	70-130		
Benzene	16.2		µg/l dry		20.0	BRL	81	70-130		
Bromobenzene	19.5		µg/l dry		20.0	BRL	98	70-130		
Bromochloromethane	17.1		µg/l dry		20.0	BRL	86	70-130		
Bromodichloromethane	20.9		µg/l dry		20.0	BRL	104	70-130		
Bromoform	16.9		µg/l dry		20.0	BRL	84	70-130		
Bromomethane	9.3	QM7	µg/l dry		20.0	BRL	47	70-130		
2-Butanone (MEK)	18.3		µg/l dry		20.0	3.5	74	70-130		
n-Butylbenzene	21.5		µg/l dry		20.0	BRL	108	70-130		
sec-Butylbenzene	20.5		µg/l dry		20.0	BRL	103	70-130		
tert-Butylbenzene	21.0		µg/l dry		20.0	BRL	105	70-130		
Carbon disulfide	4.8	QM7	µg/l dry		20.0	BRL	24	70-130		
Carbon tetrachloride	15.8		µg/l dry		20.0	BRL	79	70-130		
Chlorobenzene	19.1		µg/l dry		20.0	BRL	95	70-130		
Chloroethane	12.8	QM7	µg/l dry		20.0	BRL	64	70-130		
Chloroform	19.4		µg/l dry		20.0	BRL	97	70-130		
Chloromethane	6.7	QM7	µg/l dry		20.0	BRL	34	70-130		
2-Chlorotoluene	20.7		µg/l dry		20.0	BRL	103	70-130		
4-Chlorotoluene	20.2		µg/l dry		20.0	BRL	101	70-130		
1,2-Dibromo-3-chloropropane	16.2		µg/l dry		20.0	BRL	81	70-130		
Dibromochloromethane	17.3		µg/l dry		20.0	BRL	86	70-130		
1,2-Dibromoethane (EDB)	17.9		µg/l dry		20.0	BRL	89	70-130		
Dibromomethane	17.1		µg/l dry		20.0	BRL	86	70-130		
1,2-Dichlorobenzene	19.6		µg/l dry		20.0	BRL	98	70-130		
1,3-Dichlorobenzene	20.5		µg/l dry		20.0	BRL	103	70-130		
1,4-Dichlorobenzene	19.4		µg/l dry		20.0	BRL	97	70-130		
Dichlorodifluoromethane (Freon12)	8.6	QM7	µg/l dry		20.0	BRL	43	70-130		
1,1-Dichloroethane	17.6		µg/l dry		20.0	BRL	88	70-130		
1,2-Dichloroethane	17.8		µg/l dry		20.0	BRL	89	70-130		
1,1-Dichloroethene	13.9		µg/l dry		20.0	BRL	70	70-130		
cis-1,2-Dichloroethene	18.2		µg/l dry		20.0	BRL	91	70-130		
trans-1,2-Dichloroethene	13.6	QM7	µg/l dry		20.0	BRL	68	70-130		
1,2-Dichloropropane	19.5		µg/l dry		20.0	BRL	98	70-130		
1,3-Dichloropropane	19.4		µg/l dry		20.0	BRL	97	70-130		
2,2-Dichloropropane	17.9		µg/l dry		20.0	BRL	89	70-130		
1,1-Dichloropropene	15.2		µg/l dry		20.0	BRL	76	70-130		
cis-1,3-Dichloropropene	17.9		µg/l dry		20.0	BRL	90	70-130		
trans-1,3-Dichloropropene	18.1		µg/l dry		20.0	BRL	90	70-130		
Ethylbenzene	18.3		µg/l dry		20.0	BRL	92	70-130		
Hexachlorobutadiene	18.8		µg/l dry		20.0	BRL	94	70-130		
2-Hexanone (MBK)	19.6		µg/l dry		20.0	BRL	98	70-130		
Isopropylbenzene	17.0		µg/l dry		20.0	BRL	85	70-130		
4-Isopropyltoluene	20.2		µg/l dry		20.0	BRL	101	70-130		
Methyl tert-butyl ether	15.3		µg/l dry		20.0	BRL	76	70-130		
4-Methyl-2-pentanone (MIBK)	18.8		µg/l dry		20.0	BRL	94	70-130		
Methylene chloride	17.2		µg/l dry		20.0	0.7	82	70-130		
Naphthalene	17.9		µg/l dry		20.0	1.1	84	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9110874 - SW846 5030 Soil (high level)										
Matrix Spike (9110874-MS1)	**Source: SB03742-06**									
Prepared & Analyzed: 11-Nov-09										
n-Propylbenzene	19.5		µg/l dry		20.0	BRL	98	70-130		
Styrene	20.6		µg/l dry		20.0	BRL	103	70-130		
1,1,1,2-Tetrachloroethane	20.5		µg/l dry		20.0	BRL	103	70-130		
1,1,2,2-Tetrachloroethane	19.3		µg/l dry		20.0	BRL	97	70-130		
Tetrachloroethene	16.4		µg/l dry		20.0	BRL	82	70-130		
Toluene	17.6		µg/l dry		20.0	BRL	88	70-130		
1,2,3-Trichlorobenzene	20.0		µg/l dry		20.0	BRL	100	70-130		
1,2,4-Trichlorobenzene	19.7		µg/l dry		20.0	BRL	98	70-130		
1,3,5-Trichlorobenzene	18.6		µg/l dry		20.0	BRL	93	70-130		
1,1,1-Trichloroethane	17.2		µg/l dry		20.0	BRL	86	70-130		
1,1,2-Trichloroethane	20.4		µg/l dry		20.0	BRL	102	70-130		
Trichloroethene	17.0		µg/l dry		20.0	BRL	85	70-130		
Trichlorofluoromethane (Freon 11)	14.9		µg/l dry		20.0	BRL	74	70-130		
1,2,3-Trichloropropane	20.6		µg/l dry		20.0	BRL	103	70-130		
1,2,4-Trimethylbenzene	19.8		µg/l dry		20.0	BRL	99	70-130		
1,3,5-Trimethylbenzene	19.7		µg/l dry		20.0	BRL	99	70-130		
Vinyl chloride	10.5	QM7	µg/l dry		20.0	BRL	53	70-130		
m,p-Xylene	36.6		µg/l dry		40.0	BRL	92	70-130		
o-Xylene	19.5		µg/l dry		20.0	BRL	98	70-130		
Tetrahydrofuran	18.2		µg/l dry		20.0	BRL	91	70-130		
Ethyl ether	15.8		µg/l dry		20.0	BRL	79	70-130		
Tert-amyl methyl ether	17.9		µg/l dry		20.0	BRL	90	70-130		
Ethyl tert-butyl ether	18.5		µg/l dry		20.0	BRL	93	70-130		
Di-isopropyl ether	18.8		µg/l dry		20.0	BRL	94	70-130		
Tert-Butanol / butyl alcohol	220		µg/l dry		200	BRL	110	70-130		
1,4-Dioxane	197		µg/l dry		200	BRL	98	70-130		
trans-1,4-Dichloro-2-butene	11.9	QM7	µg/l dry		20.0	BRL	59	70-130		
Ethanol	558	QM7	µg/l dry		400	BRL	139	70-130		
Surrogate: 4-Bromofluorobenzene	*31.1*		µg/l dry		*30.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*31.0*		µg/l dry		*30.0*		*103*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.6*		µg/l dry		*30.0*		*99*	*70-130*		
Surrogate: Dibromofluoromethane	*30.1*		µg/l dry		*30.0*		*100*	*70-130*		
Matrix Spike Dup (9110874-MSD1)	**Source: SB03742-06**									
Prepared & Analyzed: 11-Nov-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.8		µg/l dry		20.0	BRL	104	70-130	12	30
Acetone	21.7		µg/l dry		20.0	BRL	108	70-130	7	30
Acrylonitrile	19.0		µg/l dry		20.0	BRL	95	70-130	3	30
Benzene	15.5		µg/l dry		20.0	BRL	78	70-130	4	30
Bromobenzene	19.4		µg/l dry		20.0	BRL	97	70-130	0.8	30
Bromochloromethane	16.6		µg/l dry		20.0	BRL	83	70-130	3	30
Bromodichloromethane	19.0		µg/l dry		20.0	BRL	95	70-130	9	30
Bromoform	16.8		µg/l dry		20.0	BRL	84	70-130	0.8	30
Bromomethane	9.4	QM7	µg/l dry		20.0	BRL	47	70-130	0.9	30
2-Butanone (MEK)	19.0		µg/l dry		20.0	3.5	77	70-130	5	30
n-Butylbenzene	20.8		µg/l dry		20.0	BRL	104	70-130	4	30
sec-Butylbenzene	20.6		µg/l dry		20.0	BRL	103	70-130	0.6	30
tert-Butylbenzene	20.7		µg/l dry		20.0	BRL	103	70-130	1	30
Carbon disulfide	4.8	QM7	µg/l dry		20.0	BRL	24	70-130	1	30
Carbon tetrachloride	15.2		µg/l dry		20.0	BRL	76	70-130	4	30
Chlorobenzene	18.9		µg/l dry		20.0	BRL	94	70-130	1	30

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9110874 - SW846 5030 Soil (high level)										
Matrix Spike Dup (9110874-MSD1)	**Source: SB03742-06**									
Prepared & Analyzed: 11-Nov-09										
Chloroethane	12.3	QM7	µg/l dry		20.0	BRL	61	70-130	5	30
Chloroform	18.6		µg/l dry		20.0	BRL	93	70-130	4	30
Chloromethane	6.6	QM7	µg/l dry		20.0	BRL	33	70-130	2	30
2-Chlorotoluene	20.5		µg/l dry		20.0	BRL	102	70-130	1	30
4-Chlorotoluene	20.2		µg/l dry		20.0	BRL	101	70-130	0.1	30
1,2-Dibromo-3-chloropropane	15.9		µg/l dry		20.0	BRL	79	70-130	2	30
Dibromochloromethane	16.9		µg/l dry		20.0	BRL	84	70-130	2	30
1,2-Dibromoethane (EDB)	17.8		µg/l dry		20.0	BRL	89	70-130	0.4	30
Dibromomethane	16.5		µg/l dry		20.0	BRL	83	70-130	4	30
1,2-Dichlorobenzene	19.4		µg/l dry		20.0	BRL	97	70-130	1	30
1,3-Dichlorobenzene	20.3		µg/l dry		20.0	BRL	102	70-130	1	30
1,4-Dichlorobenzene	19.2		µg/l dry		20.0	BRL	96	70-130	1	30
Dichlorodifluoromethane (Freon12)	9.7	QM7	µg/l dry		20.0	BRL	48	70-130	11	30
1,1-Dichloroethane	17.1		µg/l dry		20.0	BRL	86	70-130	3	30
1,2-Dichloroethane	16.9		µg/l dry		20.0	BRL	84	70-130	5	30
1,1-Dichloroethene	13.9	QM7	µg/l dry		20.0	BRL	69	70-130	0.3	30
cis-1,2-Dichloroethene	17.4		µg/l dry		20.0	BRL	87	70-130	5	30
trans-1,2-Dichloroethene	13.6	QM7	µg/l dry		20.0	BRL	68	70-130	0.3	30
1,2-Dichloropropane	18.2		µg/l dry		20.0	BRL	91	70-130	7	30
1,3-Dichloropropane	18.5		µg/l dry		20.0	BRL	92	70-130	5	30
2,2-Dichloropropane	16.7		µg/l dry		20.0	BRL	83	70-130	7	30
1,1-Dichloropropene	14.9		µg/l dry		20.0	BRL	74	70-130	2	30
cis-1,3-Dichloropropene	16.8		µg/l dry		20.0	BRL	84	70-130	7	30
trans-1,3-Dichloropropene	16.8		µg/l dry		20.0	BRL	84	70-130	7	30
Ethylbenzene	18.3		µg/l dry		20.0	BRL	92	70-130	0.05	30
Hexachlorobutadiene	19.3		µg/l dry		20.0	BRL	97	70-130	2	30
2-Hexanone (MBK)	19.4		µg/l dry		20.0	BRL	97	70-130	1	30
Isopropylbenzene	17.0		µg/l dry		20.0	BRL	85	70-130	0.2	30
4-Isopropyltoluene	19.6		µg/l dry		20.0	BRL	98	70-130	3	30
Methyl tert-butyl ether	15.2		µg/l dry		20.0	BRL	76	70-130	0.5	30
4-Methyl-2-pentanone (MIBK)	18.8		µg/l dry		20.0	BRL	94	70-130	0.2	30
Methylene chloride	16.9		µg/l dry		20.0	0.7	81	70-130	2	30
Naphthalene	18.4		µg/l dry		20.0	1.1	87	70-130	3	30
n-Propylbenzene	19.4		µg/l dry		20.0	BRL	97	70-130	0.7	30
Styrene	20.3		µg/l dry		20.0	BRL	102	70-130	1	30
1,1,1,2-Tetrachloroethane	19.7		µg/l dry		20.0	BRL	98	70-130	4	30
1,1,2,2-Tetrachloroethane	19.8		µg/l dry		20.0	BRL	99	70-130	2	30
Tetrachloroethene	15.8		µg/l dry		20.0	BRL	79	70-130	4	30
Toluene	17.1		µg/l dry		20.0	BRL	85	70-130	3	30
1,2,3-Trichlorobenzene	19.8		µg/l dry		20.0	BRL	99	70-130	1	30
1,2,4-Trichlorobenzene	19.0		µg/l dry		20.0	BRL	95	70-130	3	30
1,3,5-Trichlorobenzene	18.0		µg/l dry		20.0	BRL	90	70-130	3	30
1,1,1-Trichloroethane	16.4		µg/l dry		20.0	BRL	82	70-130	5	30
1,1,2-Trichloroethane	19.7		µg/l dry		20.0	BRL	99	70-130	3	30
Trichloroethene	16.4		µg/l dry		20.0	BRL	82	70-130	3	30
Trichlorofluoromethane (Freon 11)	15.8		µg/l dry		20.0	BRL	79	70-130	6	30
1,2,3-Trichloropropane	21.4		µg/l dry		20.0	BRL	107	70-130	3	30
1,2,4-Trimethylbenzene	19.6		µg/l dry		20.0	BRL	98	70-130	1	30
1,3,5-Trimethylbenzene	19.6		µg/l dry		20.0	BRL	98	70-130	0.4	30

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9110874 - SW846 5030 Soil (high level)										
Matrix Spike Dup (9110874-MSD1) **Source: SB03742-06**										
Prepared & Analyzed: 11-Nov-09										
Vinyl chloride	9.9	QM7	µg/l dry		20.0	BRL	50	70-130	6	30
m,p-Xylene	36.3		µg/l dry		40.0	BRL	91	70-130	0.8	30
o-Xylene	19.2		µg/l dry		20.0	BRL	96	70-130	2	30
Tetrahydrofuran	18.5		µg/l dry		20.0	BRL	92	70-130	1	30
Ethyl ether	16.2		µg/l dry		20.0	BRL	81	70-130	2	30
Tert-amyl methyl ether	16.6		µg/l dry		20.0	BRL	83	70-130	8	30
Ethyl tert-butyl ether	17.6		µg/l dry		20.0	BRL	88	70-130	5	30
Di-isopropyl ether	18.0		µg/l dry		20.0	BRL	90	70-130	4	30
Tert-Butanol / butyl alcohol	227		µg/l dry		200	BRL	114	70-130	3	30
1,4-Dioxane	230		µg/l dry		200	BRL	115	70-130	15	30
trans-1,4-Dichloro-2-butene	11.2	QM7	µg/l dry		20.0	BRL	56	70-130	6	30
Ethanol	524	QM7	µg/l dry		400	BRL	131	70-130	6	30
Surrogate: 4-Bromofluorobenzene	*32.0*		µg/l dry		*30.0*		*107*	*70-130*		
Surrogate: Toluene-d8	*30.4*		µg/l dry		*30.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*30.1*		µg/l dry		*30.0*		*100*	*70-130*		
Surrogate: Dibromofluoromethane	*29.7*		µg/l dry		*30.0*		*99*	*70-130*		
Batch 9110950 - SW846 5035A Soil (low level)										
Blank (9110950-BLK1)										
Prepared & Analyzed: 12-Nov-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet we	5.0						
Acetone	BRL		µg/kg wet we	50.0						
Acrylonitrile	BRL		µg/kg wet we	5.0						
Benzene	BRL		µg/kg wet we	5.0						
Bromobenzene	BRL		µg/kg wet we	5.0						
Bromochloromethane	BRL		µg/kg wet we	5.0						
Bromodichloromethane	BRL		µg/kg wet we	5.0						
Bromoform	BRL		µg/kg wet we	5.0						
Bromomethane	BRL		µg/kg wet we	10.0						
2-Butanone (MEK)	BRL		µg/kg wet we	50.0						
n-Butylbenzene	BRL		µg/kg wet we	5.0						
sec-Butylbenzene	BRL		µg/kg wet we	5.0						
tert-Butylbenzene	BRL		µg/kg wet we	5.0						
Carbon disulfide	BRL		µg/kg wet we	25.0						
Carbon tetrachloride	BRL		µg/kg wet we	5.0						
Chlorobenzene	BRL		µg/kg wet we	5.0						
Chloroethane	BRL		µg/kg wet we	10.0						
Chloroform	BRL		µg/kg wet we	5.0						
Chloromethane	BRL		µg/kg wet we	10.0						
2-Chlorotoluene	BRL		µg/kg wet we	5.0						
4-Chlorotoluene	BRL		µg/kg wet we	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet we	10.0						
Dibromochloromethane	BRL		µg/kg wet we	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet we	5.0						
Dibromomethane	BRL		µg/kg wet we	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet we	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet we	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet we	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet we	10.0						
1,1-Dichloroethane	BRL		µg/kg wet we	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9110950 - SW846 5035A Soil (low level)										
Blank (9110950-BLK1)										
Prepared & Analyzed: 12-Nov-09										
1,2-Dichloroethane	BRL		µg/kg wet we	5.0						
1,1-Dichloroethene	BRL		µg/kg wet we	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet we	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet we	5.0						
1,2-Dichloropropane	BRL		µg/kg wet we	5.0						
1,3-Dichloropropane	BRL		µg/kg wet we	5.0						
2,2-Dichloropropane	BRL		µg/kg wet we	5.0						
1,1-Dichloropropene	BRL		µg/kg wet we	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet we	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet we	5.0						
Ethylbenzene	BRL		µg/kg wet we	5.0						
Hexachlorobutadiene	BRL		µg/kg wet we	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet we	50.0						
Isopropylbenzene	BRL		µg/kg wet we	5.0						
4-Isopropyltoluene	BRL		µg/kg wet we	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet we	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet we	50.0						
Methylene chloride	BRL		µg/kg wet we	50.0						
Naphthalene	BRL	CAL1	µg/kg wet we	5.0						
n-Propylbenzene	BRL		µg/kg wet we	5.0						
Styrene	BRL		µg/kg wet we	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet we	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet we	5.0						
Tetrachloroethene	BRL		µg/kg wet we	5.0						
Toluene	BRL		µg/kg wet we	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet we	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet we	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet we	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet we	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet we	5.0						
Trichloroethene	BRL		µg/kg wet we	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet we	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet we	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet we	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet we	5.0						
Vinyl chloride	BRL		µg/kg wet we	5.0						
m,p-Xylene	BRL		µg/kg wet we	10.0						
o-Xylene	BRL		µg/kg wet we	5.0						
Tetrahydrofuran	BRL		µg/kg wet we	50.0						
Ethyl ether	BRL		µg/kg wet we	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet we	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet we	5.0						
Di-isopropyl ether	BRL		µg/kg wet we	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet we	50.0						
1,4-Dioxane	BRL		µg/kg wet we	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet we	25.0						
Ethanol	BRL		µg/kg wet we	2000						
Surrogate: 4-Bromofluorobenzene	*48.1*		µg/l wet		*50.0*		*96*	*70-130*		
Surrogate: Toluene-d8	*50.9*		µg/l wet		*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*62.3*		µg/l wet		*50.0*		*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 9110950 - SW846 5035A Soil (low level)										
Blank (9110950-BLK1)										
Prepared & Analyzed: 12-Nov-09										
Surrogate: Dibromofluoromethane	*56.0*		µg/l wet		*50.0*		*112*	*70-130*		
LCS (9110950-BS1)										
Prepared & Analyzed: 12-Nov-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	28.8	QC2	µg/l wet		20.0		144	70-130		
Acetone	6.1	QM9	µg/l wet		20.0		31	45.6-155		
Acrylonitrile	17.0		µg/l wet		20.0		85	70-130		
Benzene	20.8		µg/l wet		20.0		104	70-130		
Bromobenzene	21.7		µg/l wet		20.0		109	70-130		
Bromochloromethane	23.9		µg/l wet		20.0		120	70-130		
Bromodichloromethane	24.3		µg/l wet		20.0		121	70-130		
Bromoform	23.7		µg/l wet		20.0		118	70-130		
Bromomethane	21.7		µg/l wet		20.0		108	67.5-130		
2-Butanone (MEK)	15.8		µg/l wet		20.0		79	66.1-134		
n-Butylbenzene	20.1		µg/l wet		20.0		100	70-130		
sec-Butylbenzene	20.6		µg/l wet		20.0		103	70-130		
tert-Butylbenzene	20.8		µg/l wet		20.0		104	70-130		
Carbon disulfide	24.3		µg/l wet		20.0		121	70-130		
Carbon tetrachloride	25.5		µg/l wet		20.0		127	70-130		
Chlorobenzene	20.8		µg/l wet		20.0		104	70-130		
Chloroethane	18.8		µg/l wet		20.0		94	65-133		
Chloroform	23.3		µg/l wet		20.0		116	70-130		
Chloromethane	16.2		µg/l wet		20.0		81	70-130		
2-Chlorotoluene	22.4		µg/l wet		20.0		112	70-130		
4-Chlorotoluene	22.2		µg/l wet		20.0		111	70-130		
1,2-Dibromo-3-chloropropane	18.6		µg/l wet		20.0		93	70-130		
Dibromochloromethane	22.8		µg/l wet		20.0		114	63.7-130		
1,2-Dibromoethane (EDB)	24.3		µg/l wet		20.0		122	70-130		
Dibromomethane	23.6		µg/l wet		20.0		118	70-130		
1,2-Dichlorobenzene	21.8		µg/l wet		20.0		109	70-130		
1,3-Dichlorobenzene	23.6		µg/l wet		20.0		118	70-130		
1,4-Dichlorobenzene	20.7		µg/l wet		20.0		103	70-130		
Dichlorodifluoromethane (Freon12)	23.1		µg/l wet		20.0		116	47.8-136		
1,1-Dichloroethane	20.5		µg/l wet		20.0		103	70-130		
1,2-Dichloroethane	22.2		µg/l wet		20.0		111	70-130		
1,1-Dichloroethene	23.1		µg/l wet		20.0		116	70-130		
cis-1,2-Dichloroethene	23.3		µg/l wet		20.0		117	70-130		
trans-1,2-Dichloroethene	21.8		µg/l wet		20.0		109	70-130		
1,2-Dichloropropane	19.7		µg/l wet		20.0		99	70-130		
1,3-Dichloropropane	21.5		µg/l wet		20.0		107	70-130		
2,2-Dichloropropane	24.7		µg/l wet		20.0		123	70-130		
1,1-Dichloropropene	22.3		µg/l wet		20.0		112	70-130		
cis-1,3-Dichloropropene	20.5		µg/l wet		20.0		103	70-130		
trans-1,3-Dichloropropene	21.5		µg/l wet		20.0		107	70-130		
Ethylbenzene	20.9		µg/l wet		20.0		104	70-130		
Hexachlorobutadiene	23.4		µg/l wet		20.0		117	70-130		
2-Hexanone (MBK)	17.0		µg/l wet		20.0		85	70-130		
Isopropylbenzene	18.4		µg/l wet		20.0		92	70-130		
4-Isopropyltoluene	21.6		µg/l wet		20.0		108	70-130		
Methyl tert-butyl ether	22.9		µg/l wet		20.0		114	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9110950 - SW846 5035A Soil (low level)										
LCS (9110950-BS1)										
Prepared & Analyzed: 12-Nov-09										
4-Methyl-2-pentanone (MIBK)	22.3		µg/l wet		20.0		112	66.5-130		
Methylene chloride	20.3		µg/l wet		20.0		102	70-130		
Naphthalene	16.4	CAL1	µg/l wet		20.0		82	70-130		
n-Propylbenzene	19.3		µg/l wet		20.0		96	70-130		
Styrene	20.1		µg/l wet		20.0		100	70-130		
1,1,1,2-Tetrachloroethane	22.4		µg/l wet		20.0		112	70-130		
1,1,2,2-Tetrachloroethane	19.1		µg/l wet		20.0		95	70-130		
Tetrachloroethene	23.2		µg/l wet		20.0		116	70-130		
Toluene	21.1		µg/l wet		20.0		105	70-130		
1,2,3-Trichlorobenzene	18.6		µg/l wet		20.0		93	70-130		
1,2,4-Trichlorobenzene	17.4		µg/l wet		20.0		87	70-130		
1,3,5-Trichlorobenzene	19.8		µg/l wet		20.0		99	70-130		
1,1,1-Trichloroethane	25.1		µg/l wet		20.0		125	70-130		
1,1,2-Trichloroethane	22.2		µg/l wet		20.0		111	70-130		
Trichloroethene	22.9		µg/l wet		20.0		115	70-130		
Trichlorofluoromethane (Freon 11)	27.5		µg/l wet		20.0		138	70-142		
1,2,3-Trichloropropane	22.6		µg/l wet		20.0		113	70-130		
1,2,4-Trimethylbenzene	19.7		µg/l wet		20.0		99	70-130		
1,3,5-Trimethylbenzene	19.9		µg/l wet		20.0		99	70-130		
Vinyl chloride	20.6		µg/l wet		20.0		103	70-130		
m,p-Xylene	42.7		µg/l wet		40.0		107	70-130		
o-Xylene	22.1		µg/l wet		20.0		110	70-130		
Tetrahydrofuran	14.8		µg/l wet		20.0		74	70-130		
Ethyl ether	21.6		µg/l wet		20.0		108	70-130		
Tert-amyl methyl ether	17.7		µg/l wet		20.0		89	70-130		
Ethyl tert-butyl ether	20.3		µg/l wet		20.0		102	70-130		
Di-isopropyl ether	16.0		µg/l wet		20.0		80	70-130		
Tert-Butanol / butyl alcohol	173		µg/l wet		200		86	70-130		
1,4-Dioxane	221		µg/l wet		200		111	56.3-148		
trans-1,4-Dichloro-2-butene	22.6		µg/l wet		20.0		113	70-130		
Ethanol	432		µg/l wet		400		108	70-130		
Surrogate: 4-Bromofluorobenzene	*52.8*		µg/l wet		*50.0*		*106*	*70-130*		
Surrogate: Toluene-d8	*51.2*		µg/l wet		*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*53.4*		µg/l wet		*50.0*		*107*	*70-130*		
Surrogate: Dibromofluoromethane	*53.6*		µg/l wet		*50.0*		*107*	*70-130*		
LCS Dup (9110950-BSD1)										
Prepared & Analyzed: 12-Nov-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	27.0	QC2	µg/l wet		20.0		135	70-130	7	25
Acetone	18.3	QR5	µg/l wet		20.0		92	45.6-155	100	50
Acrylonitrile	17.0		µg/l wet		20.0		85	70-130	0.5	25
Benzene	20.0		µg/l wet		20.0		100	70-130	4	25
Bromobenzene	21.5		µg/l wet		20.0		108	70-130	0.8	25
Bromochloromethane	23.2		µg/l wet		20.0		116	70-130	3	25
Bromodichloromethane	22.6		µg/l wet		20.0		113	70-130	7	25
Bromoform	21.4		µg/l wet		20.0		107	70-130	10	25
Bromomethane	20.6		µg/l wet		20.0		103	67.5-130	5	50
2-Butanone (MEK)	15.6		µg/l wet		20.0		78	66.1-134	1	50
n-Butylbenzene	19.0		µg/l wet		20.0		95	70-130	6	25
sec-Butylbenzene	19.6		µg/l wet		20.0		98	70-130	5	25
tert-Butylbenzene	20.2		µg/l wet		20.0		101	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 9110950 - SW846 5035A Soil (low level)										
LCS Dup (9110950-BSD1)										
Prepared & Analyzed: 12-Nov-09										
Carbon disulfide	23.3		µg/l wet		20.0		117	70-130	4	25
Carbon tetrachloride	24.5		µg/l wet		20.0		123	70-130	4	25
Chlorobenzene	20.1		µg/l wet		20.0		101	70-130	4	25
Chloroethane	17.9		µg/l wet		20.0		90	65-133	5	50
Chloroform	22.4		µg/l wet		20.0		112	70-130	4	25
Chloromethane	15.5		µg/l wet		20.0		77	70-130	5	25
2-Chlorotoluene	21.9		µg/l wet		20.0		109	70-130	2	25
4-Chlorotoluene	21.5		µg/l wet		20.0		108	70-130	3	25
1,2-Dibromo-3-chloropropane	17.9		µg/l wet		20.0		90	70-130	3	25
Dibromochloromethane	22.5		µg/l wet		20.0		112	63.7-130	1	50
1,2-Dibromoethane (EDB)	23.3		µg/l wet		20.0		116	70-130	4	25
Dibromomethane	22.5		µg/l wet		20.0		112	70-130	5	25
1,2-Dichlorobenzene	21.0		µg/l wet		20.0		105	70-130	4	25
1,3-Dichlorobenzene	22.6		µg/l wet		20.0		113	70-130	4	25
1,4-Dichlorobenzene	19.9		µg/l wet		20.0		99	70-130	4	25
Dichlorodifluoromethane (Freon12)	21.4		µg/l wet		20.0		107	47.8-136	8	50
1,1-Dichloroethane	19.4		µg/l wet		20.0		97	70-130	6	25
1,2-Dichloroethane	21.7		µg/l wet		20.0		109	70-130	2	25
1,1-Dichloroethene	22.1		µg/l wet		20.0		110	70-130	5	25
cis-1,2-Dichloroethene	21.8		µg/l wet		20.0		109	70-130	7	25
trans-1,2-Dichloroethene	20.4		µg/l wet		20.0		102	70-130	7	25
1,2-Dichloropropane	18.6		µg/l wet		20.0		93	70-130	6	25
1,3-Dichloropropane	20.1		µg/l wet		20.0		100	70-130	7	25
2,2-Dichloropropane	23.5		µg/l wet		20.0		117	70-130	5	25
1,1-Dichloropropene	21.4		µg/l wet		20.0		107	70-130	4	25
cis-1,3-Dichloropropene	19.7		µg/l wet		20.0		98	70-130	4	25
trans-1,3-Dichloropropene	19.9		µg/l wet		20.0		99	70-130	8	25
Ethylbenzene	20.3		µg/l wet		20.0		102	70-130	3	25
Hexachlorobutadiene	20.8		µg/l wet		20.0		104	70-130	12	50
2-Hexanone (MBK)	16.1		µg/l wet		20.0		81	70-130	5	25
Isopropylbenzene	17.5		µg/l wet		20.0		88	70-130	5	25
4-Isopropyltoluene	20.9		µg/l wet		20.0		104	70-130	3	25
Methyl tert-butyl ether	22.4		µg/l wet		20.0		112	70-130	2	25
4-Methyl-2-pentanone (MIBK)	22.9		µg/l wet		20.0		114	66.5-130	2	50
Methylene chloride	20.5		µg/l wet		20.0		102	70-130	0.8	25
Naphthalene	14.0	CAL1	µg/l wet		20.0		70	70-130	16	25
n-Propylbenzene	18.8		µg/l wet		20.0		94	70-130	2	25
Styrene	18.8		µg/l wet		20.0		94	70-130	7	25
1,1,1,2-Tetrachloroethane	21.4		µg/l wet		20.0		107	70-130	5	25
1,1,2,2-Tetrachloroethane	19.7		µg/l wet		20.0		99	70-130	3	25
Tetrachloroethene	22.6		µg/l wet		20.0		113	70-130	3	25
Toluene	20.0		µg/l wet		20.0		100	70-130	5	25
1,2,3-Trichlorobenzene	17.2		µg/l wet		20.0		86	70-130	8	25
1,2,4-Trichlorobenzene	16.6		µg/l wet		20.0		83	70-130	5	25
1,3,5-Trichlorobenzene	18.6		µg/l wet		20.0		93	70-130	6	25
1,1,1-Trichloroethane	23.8		µg/l wet		20.0		119	70-130	5	25
1,1,2-Trichloroethane	21.1		µg/l wet		20.0		106	70-130	5	25
Trichloroethene	22.0		µg/l wet		20.0		110	70-130	4	25
Trichlorofluoromethane (Freon 11)	25.9		µg/l wet		20.0		129	70-142	6	50

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9110950 - SW846 5035A Soil (low level)										
LCS Dup (9110950-BSD1)										
Prepared & Analyzed: 12-Nov-09										
1,2,3-Trichloropropane	22.0		µg/l wet		20.0		110	70-130	3	25
1,2,4-Trimethylbenzene	19.2		µg/l wet		20.0		96	70-130	3	25
1,3,5-Trimethylbenzene	19.7		µg/l wet		20.0		98	70-130	1	25
Vinyl chloride	19.2		µg/l wet		20.0		96	70-130	7	25
m,p-Xylene	41.3		µg/l wet		40.0		103	70-130	3	25
o-Xylene	21.1		µg/l wet		20.0		106	70-130	4	25
Tetrahydrofuran	13.8	QM9	µg/l wet		20.0		69	70-130	7	25
Ethyl ether	20.9		µg/l wet		20.0		104	70-130	3	50
Tert-amyl methyl ether	17.2		µg/l wet		20.0		86	70-130	3	25
Ethyl tert-butyl ether	19.2		µg/l wet		20.0		96	70-130	6	25
Di-isopropyl ether	15.2		µg/l wet		20.0		76	70-130	5	25
Tert-Butanol / butyl alcohol	190		µg/l wet		200		95	70-130	9	25
1,4-Dioxane	197		µg/l wet		200		99	56.3-148	11	25
trans-1,4-Dichloro-2-butene	21.0		µg/l wet		20.0		105	70-130	7	25
Ethanol	452		µg/l wet		400		113	70-130	4	30
Surrogate: 4-Bromofluorobenzene	*51.7*		µg/l wet		*50.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*50.6*		µg/l wet		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*53.4*		µg/l wet		*50.0*		*107*	*70-130*		
Surrogate: Dibromofluoromethane	*54.1*		µg/l wet		*50.0*		*108*	*70-130*		
Batch 9110951 - SW846 5035A Soil (low level)										
Blank (9110951-BLK1)										
Prepared & Analyzed: 12-Nov-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet we	5.0						
Acetone	BRL		µg/kg wet we	50.0						
Acrylonitrile	BRL		µg/kg wet we	5.0						
Benzene	BRL		µg/kg wet we	5.0						
Bromobenzene	BRL		µg/kg wet we	5.0						
Bromochloromethane	BRL		µg/kg wet we	5.0						
Bromodichloromethane	BRL		µg/kg wet we	5.0						
Bromoform	BRL		µg/kg wet we	5.0						
Bromomethane	BRL		µg/kg wet we	10.0						
2-Butanone (MEK)	BRL		µg/kg wet we	50.0						
n-Butylbenzene	BRL		µg/kg wet we	5.0						
sec-Butylbenzene	BRL		µg/kg wet we	5.0						
tert-Butylbenzene	BRL		µg/kg wet we	5.0						
Carbon disulfide	BRL		µg/kg wet we	25.0						
Carbon tetrachloride	BRL		µg/kg wet we	5.0						
Chlorobenzene	BRL		µg/kg wet we	5.0						
Chloroethane	BRL		µg/kg wet we	10.0						
Chloroform	BRL		µg/kg wet we	5.0						
Chloromethane	BRL		µg/kg wet we	10.0						
2-Chlorotoluene	BRL		µg/kg wet we	5.0						
4-Chlorotoluene	BRL		µg/kg wet we	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet we	10.0						
Dibromochloromethane	BRL		µg/kg wet we	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet we	5.0						
Dibromomethane	BRL		µg/kg wet we	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet we	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet we	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9110951 - SW846 5035A Soil (low level)										
Blank (9110951-BLK1)										
Prepared & Analyzed: 12-Nov-09										
1,4-Dichlorobenzene	BRL		µg/kg wet we	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet we	10.0						
1,1-Dichloroethane	BRL		µg/kg wet we	5.0						
1,2-Dichloroethane	BRL		µg/kg wet we	5.0						
1,1-Dichloroethene	BRL		µg/kg wet we	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet we	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet we	5.0						
1,2-Dichloropropane	BRL		µg/kg wet we	5.0						
1,3-Dichloropropane	BRL		µg/kg wet we	5.0						
2,2-Dichloropropane	BRL		µg/kg wet we	5.0						
1,1-Dichloropropene	BRL		µg/kg wet we	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet we	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet we	5.0						
Ethylbenzene	BRL		µg/kg wet we	5.0						
Hexachlorobutadiene	BRL		µg/kg wet we	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet we	50.0						
Isopropylbenzene	BRL		µg/kg wet we	5.0						
4-Isopropyltoluene	BRL		µg/kg wet we	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet we	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet we	50.0						
Methylene chloride	BRL		µg/kg wet we	50.0						
Naphthalene	BRL	CAL1	µg/kg wet we	5.0						
n-Propylbenzene	BRL		µg/kg wet we	5.0						
Styrene	BRL		µg/kg wet we	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet we	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet we	5.0						
Tetrachloroethene	BRL		µg/kg wet we	5.0						
Toluene	BRL		µg/kg wet we	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet we	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet we	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet we	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet we	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet we	5.0						
Trichloroethene	BRL		µg/kg wet we	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet we	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet we	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet we	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet we	5.0						
Vinyl chloride	BRL		µg/kg wet we	5.0						
m,p-Xylene	BRL		µg/kg wet we	10.0						
o-Xylene	BRL		µg/kg wet we	5.0						
Tetrahydrofuran	BRL		µg/kg wet we	50.0						
Ethyl ether	BRL		µg/kg wet we	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet we	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet we	5.0						
Di-isopropyl ether	BRL		µg/kg wet we	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet we	50.0						
1,4-Dioxane	BRL		µg/kg wet we	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet we	25.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9110951 - SW846 5035A Soil (low level)										
Blank (9110951-BLK1)										
Prepared & Analyzed: 12-Nov-09										
Ethanol	BRL		µg/kg wet we	2000						
Surrogate: 4-Bromofluorobenzene	*42.8*		µg/l wet		*50.0*		*86*	*70-130*		
Surrogate: Toluene-d8	*50.5*		µg/l wet		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*62.9*		µg/l wet		*50.0*		*126*	*70-130*		
Surrogate: Dibromofluoromethane	*56.2*		µg/l wet		*50.0*		*112*	*70-130*		
LCS (9110951-BS1)										
Prepared & Analyzed: 12-Nov-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	27.8	QC2	µg/l wet		20.0		139	70-130		
Acetone	17.4		µg/l wet		20.0		87	45.6-155		
Acrylonitrile	17.3		µg/l wet		20.0		87	70-130		
Benzene	19.9		µg/l wet		20.0		99	70-130		
Bromobenzene	21.4		µg/l wet		20.0		107	70-130		
Bromochloromethane	24.0		µg/l wet		20.0		120	70-130		
Bromodichloromethane	23.8		µg/l wet		20.0		119	70-130		
Bromoform	23.7		µg/l wet		20.0		118	70-130		
Bromomethane	20.5		µg/l wet		20.0		103	67.5-130		
2-Butanone (MEK)	17.1		µg/l wet		20.0		85	66.1-134		
n-Butylbenzene	19.3		µg/l wet		20.0		97	70-130		
sec-Butylbenzene	20.8		µg/l wet		20.0		104	70-130		
tert-Butylbenzene	20.8		µg/l wet		20.0		104	70-130		
Carbon disulfide	20.6		µg/l wet		20.0		103	70-130		
Carbon tetrachloride	25.3		µg/l wet		20.0		126	70-130		
Chlorobenzene	20.4		µg/l wet		20.0		102	70-130		
Chloroethane	18.6		µg/l wet		20.0		93	65-133		
Chloroform	22.5		µg/l wet		20.0		112	70-130		
Chloromethane	16.2		µg/l wet		20.0		81	70-130		
2-Chlorotoluene	22.6		µg/l wet		20.0		113	70-130		
4-Chlorotoluene	22.4		µg/l wet		20.0		112	70-130		
1,2-Dibromo-3-chloropropane	19.2		µg/l wet		20.0		96	70-130		
Dibromochloromethane	23.2		µg/l wet		20.0		116	63.7-130		
1,2-Dibromoethane (EDB)	23.1		µg/l wet		20.0		116	70-130		
Dibromomethane	22.6		µg/l wet		20.0		113	70-130		
1,2-Dichlorobenzene	21.2		µg/l wet		20.0		106	70-130		
1,3-Dichlorobenzene	23.5		µg/l wet		20.0		117	70-130		
1,4-Dichlorobenzene	20.4		µg/l wet		20.0		102	70-130		
Dichlorodifluoromethane (Freon12)	23.0		µg/l wet		20.0		115	47.8-136		
1,1-Dichloroethane	19.8		µg/l wet		20.0		99	70-130		
1,2-Dichloroethane	21.8		µg/l wet		20.0		109	70-130		
1,1-Dichloroethene	22.4		µg/l wet		20.0		112	70-130		
cis-1,2-Dichloroethene	22.2		µg/l wet		20.0		111	70-130		
trans-1,2-Dichloroethene	21.0		µg/l wet		20.0		105	70-130		
1,2-Dichloropropane	18.7		µg/l wet		20.0		94	70-130		
1,3-Dichloropropane	20.2		µg/l wet		20.0		101	70-130		
2,2-Dichloropropane	23.2		µg/l wet		20.0		116	70-130		
1,1-Dichloropropene	21.8		µg/l wet		20.0		109	70-130		
cis-1,3-Dichloropropene	20.2		µg/l wet		20.0		101	70-130		
trans-1,3-Dichloropropene	20.1		µg/l wet		20.0		100	70-130		
Ethylbenzene	20.4		µg/l wet		20.0		102	70-130		
Hexachlorobutadiene	22.8		µg/l wet		20.0		114	70-130		
2-Hexanone (MBK)	17.2		µg/l wet		20.0		86	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9110951 - SW846 5035A Soil (low level)										
LCS (9110951-BS1)										
Prepared & Analyzed: 12-Nov-09										
Isopropylbenzene	18.1		µg/l wet		20.0		91	70-130		
4-Isopropyltoluene	20.9		µg/l wet		20.0		105	70-130		
Methyl tert-butyl ether	22.0		µg/l wet		20.0		110	70-130		
4-Methyl-2-pentanone (MIBK)	23.2		µg/l wet		20.0		116	66.5-130		
Methylene chloride	19.8		µg/l wet		20.0		99	70-130		
Naphthalene	16.0	CAL1	µg/l wet		20.0		80	70-130		
n-Propylbenzene	19.4		µg/l wet		20.0		97	70-130		
Styrene	19.7		µg/l wet		20.0		99	70-130		
1,1,1,2-Tetrachloroethane	21.9		µg/l wet		20.0		110	70-130		
1,1,2,2-Tetrachloroethane	19.1		µg/l wet		20.0		96	70-130		
Tetrachloroethene	22.8		µg/l wet		20.0		114	70-130		
Toluene	20.6		µg/l wet		20.0		103	70-130		
1,2,3-Trichlorobenzene	18.6		µg/l wet		20.0		93	70-130		
1,2,4-Trichlorobenzene	17.3		µg/l wet		20.0		86	70-130		
1,3,5-Trichlorobenzene	18.9		µg/l wet		20.0		94	70-130		
1,1,1-Trichloroethane	24.1		µg/l wet		20.0		121	70-130		
1,1,2-Trichloroethane	21.6		µg/l wet		20.0		108	70-130		
Trichloroethene	22.3		µg/l wet		20.0		111	70-130		
Trichlorofluoromethane (Freon 11)	27.0		µg/l wet		20.0		135	70-142		
1,2,3-Trichloropropane	22.9		µg/l wet		20.0		114	70-130		
1,2,4-Trimethylbenzene	19.8		µg/l wet		20.0		99	70-130		
1,3,5-Trimethylbenzene	20.0		µg/l wet		20.0		100	70-130		
Vinyl chloride	19.9		µg/l wet		20.0		100	70-130		
m,p-Xylene	42.1		µg/l wet		40.0		105	70-130		
o-Xylene	21.7		µg/l wet		20.0		109	70-130		
Tetrahydrofuran	15.0		µg/l wet		20.0		75	70-130		
Ethyl ether	20.5		µg/l wet		20.0		103	70-130		
Tert-amyl methyl ether	17.3		µg/l wet		20.0		87	70-130		
Ethyl tert-butyl ether	19.1		µg/l wet		20.0		95	70-130		
Di-isopropyl ether	15.4		µg/l wet		20.0		77	70-130		
Tert-Butanol / butyl alcohol	193		µg/l wet		200		97	70-130		
1,4-Dioxane	197		µg/l wet		200		99	56.3-148		
trans-1,4-Dichloro-2-butene	20.1		µg/l wet		20.0		101	70-130		
Ethanol	534	QM9	µg/l wet		400		134	70-130		
Surrogate: 4-Bromofluorobenzene	*52.5*		µg/l wet		*50.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*50.2*		µg/l wet		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*52.8*		µg/l wet		*50.0*		*106*	*70-130*		
Surrogate: Dibromofluoromethane	*54.0*		µg/l wet		*50.0*		*108*	*70-130*		
LCS Dup (9110951-BSD1)										
Prepared & Analyzed: 12-Nov-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	28.8	QC2	µg/l wet		20.0		144	70-130	3	25
Acetone	18.0		µg/l wet		20.0		90	45.6-155	3	50
Acrylonitrile	16.6		µg/l wet		20.0		83	70-130	4	25
Benzene	20.8		µg/l wet		20.0		104	70-130	4	25
Bromobenzene	21.5		µg/l wet		20.0		108	70-130	0.5	25
Bromochloromethane	24.2		µg/l wet		20.0		121	70-130	0.9	25
Bromodichloromethane	23.7		µg/l wet		20.0		119	70-130	0.3	25
Bromoform	21.6		µg/l wet		20.0		108	70-130	9	25
Bromomethane	21.8		µg/l wet		20.0		109	67.5-130	6	50
2-Butanone (MEK)	14.4		µg/l wet		20.0		72	66.1-134	17	50

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9110951 - SW846 5035A Soil (low level)										
LCS Dup (9110951-BSD1)										
Prepared & Analyzed: 12-Nov-09										
n-Butylbenzene	19.5		µg/l wet		20.0		97	70-130	0.7	25
sec-Butylbenzene	20.9		µg/l wet		20.0		104	70-130	0.7	25
tert-Butylbenzene	21.2		µg/l wet		20.0		106	70-130	2	25
Carbon disulfide	24.8		µg/l wet		20.0		124	70-130	19	25
Carbon tetrachloride	26.0		µg/l wet		20.0		130	70-130	3	25
Chlorobenzene	20.7		µg/l wet		20.0		104	70-130	1	25
Chloroethane	19.0		µg/l wet		20.0		95	65-133	2	50
Chloroform	23.2		µg/l wet		20.0		116	70-130	3	25
Chloromethane	16.7		µg/l wet		20.0		84	70-130	4	25
2-Chlorotoluene	22.9		µg/l wet		20.0		114	70-130	1	25
4-Chlorotoluene	22.4		µg/l wet		20.0		112	70-130	0.1	25
1,2-Dibromo-3-chloropropane	18.4		µg/l wet		20.0		92	70-130	4	25
Dibromochloromethane	22.9		µg/l wet		20.0		115	63.7-130	1	50
1,2-Dibromoethane (EDB)	23.5		µg/l wet		20.0		118	70-130	2	25
Dibromomethane	23.3		µg/l wet		20.0		116	70-130	3	25
1,2-Dichlorobenzene	21.4		µg/l wet		20.0		107	70-130	0.9	25
1,3-Dichlorobenzene	23.7		µg/l wet		20.0		118	70-130	0.9	25
1,4-Dichlorobenzene	20.0		µg/l wet		20.0		100	70-130	2	25
Dichlorodifluoromethane (Freon12)	23.6		µg/l wet		20.0		118	47.8-136	3	50
1,1-Dichloroethane	20.4		µg/l wet		20.0		102	70-130	3	25
1,2-Dichloroethane	22.4		µg/l wet		20.0		112	70-130	3	25
1,1-Dichloroethene	23.3		µg/l wet		20.0		117	70-130	4	25
cis-1,2-Dichloroethene	23.6		µg/l wet		20.0		118	70-130	6	25
trans-1,2-Dichloroethene	21.4		µg/l wet		20.0		107	70-130	2	25
1,2-Dichloropropane	19.7		µg/l wet		20.0		99	70-130	5	25
1,3-Dichloropropane	20.7		µg/l wet		20.0		104	70-130	2	25
2,2-Dichloropropane	24.1		µg/l wet		20.0		120	70-130	3	25
1,1-Dichloropropene	22.5		µg/l wet		20.0		113	70-130	3	25
cis-1,3-Dichloropropene	19.9		µg/l wet		20.0		100	70-130	1	25
trans-1,3-Dichloropropene	20.4		µg/l wet		20.0		102	70-130	2	25
Ethylbenzene	20.7		µg/l wet		20.0		104	70-130	2	25
Hexachlorobutadiene	22.7		µg/l wet		20.0		114	70-130	0.3	50
2-Hexanone (MBK)	16.2		µg/l wet		20.0		81	70-130	6	25
Isopropylbenzene	18.6		µg/l wet		20.0		93	70-130	3	25
4-Isopropyltoluene	21.5		µg/l wet		20.0		107	70-130	3	25
Methyl tert-butyl ether	21.8		µg/l wet		20.0		109	70-130	1	25
4-Methyl-2-pentanone (MIBK)	21.3		µg/l wet		20.0		106	66.5-130	9	50
Methylene chloride	20.2		µg/l wet		20.0		101	70-130	2	25
Naphthalene	14.8	CAL1	µg/l wet		20.0		74	70-130	8	25
n-Propylbenzene	19.7		µg/l wet		20.0		99	70-130	2	25
Styrene	19.7		µg/l wet		20.0		99	70-130	0	25
1,1,1,2-Tetrachloroethane	22.2		µg/l wet		20.0		111	70-130	1	25
1,1,2,2-Tetrachloroethane	19.0		µg/l wet		20.0		95	70-130	0.8	25
Tetrachloroethene	23.3		µg/l wet		20.0		116	70-130	2	25
Toluene	21.2		µg/l wet		20.0		106	70-130	3	25
1,2,3-Trichlorobenzene	17.8		µg/l wet		20.0		89	70-130	4	25
1,2,4-Trichlorobenzene	16.9		µg/l wet		20.0		85	70-130	2	25
1,3,5-Trichlorobenzene	18.9		µg/l wet		20.0		95	70-130	0.2	25
1,1,1-Trichloroethane	25.4		µg/l wet		20.0		127	70-130	5	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9110951 - SW846 5035A Soil (low level)										
LCS Dup (9110951-BSD1)										
Prepared & Analyzed: 12-Nov-09										
1,1,2-Trichloroethane	21.6		µg/l wet		20.0		108	70-130	0.2	25
Trichloroethene	22.9		µg/l wet		20.0		114	70-130	3	25
Trichlorofluoromethane (Freon 11)	27.7		µg/l wet		20.0		138	70-142	2	50
1,2,3-Trichloropropane	22.0		µg/l wet		20.0		110	70-130	4	25
1,2,4-Trimethylbenzene	19.9		µg/l wet		20.0		100	70-130	0.4	25
1,3,5-Trimethylbenzene	20.3		µg/l wet		20.0		101	70-130	1	25
Vinyl chloride	20.5		µg/l wet		20.0		103	70-130	3	25
m,p-Xylene	42.6		µg/l wet		40.0		107	70-130	1	25
o-Xylene	22.7		µg/l wet		20.0		113	70-130	4	25
Tetrahydrofuran	14.6		µg/l wet		20.0		73	70-130	3	25
Ethyl ether	21.5		µg/l wet		20.0		107	70-130	5	50
Tert-amyl methyl ether	17.6		µg/l wet		20.0		88	70-130	1	25
Ethyl tert-butyl ether	19.8		µg/l wet		20.0		99	70-130	4	25
Di-isopropyl ether	15.7		µg/l wet		20.0		79	70-130	2	25
Tert-Butanol / butyl alcohol	177		µg/l wet		200		89	70-130	9	25
1,4-Dioxane	146	QR2	µg/l wet		200		73	56.3-148	30	25
trans-1,4-Dichloro-2-butene	21.2		µg/l wet		20.0		106	70-130	5	25
Ethanol	437		µg/l wet		400		109	70-130	20	30
Surrogate: 4-Bromofluorobenzene	*53.0*		µg/l wet		*50.0*		*106*	*70-130*		
Surrogate: Toluene-d8	*50.8*		µg/l wet		*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*53.3*		µg/l wet		*50.0*		*107*	*70-130*		
Surrogate: Dibromofluoromethane	*52.6*		µg/l wet		*50.0*		*105*	*70-130*		
Batch 9110953 - SW846 5030 Water MS										
Blank (9110953-BLK1)										
Prepared & Analyzed: 12-Nov-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/l	1.0						
Acetone	BRL		µg/l	10.0						
Acrylonitrile	BRL		µg/l	0.5						
Benzene	BRL		µg/l	1.0						
Bromobenzene	BRL		µg/l	1.0						
Bromochloromethane	BRL		µg/l	1.0						
Bromodichloromethane	BRL		µg/l	0.5						
Bromoform	BRL		µg/l	1.0						
Bromomethane	BRL		µg/l	2.0						
2-Butanone (MEK)	BRL		µg/l	10.0						
n-Butylbenzene	BRL		µg/l	1.0						
sec-Butylbenzene	BRL		µg/l	1.0						
tert-Butylbenzene	BRL		µg/l	1.0						
Carbon disulfide	BRL		µg/l	5.0						
Carbon tetrachloride	BRL		µg/l	1.0						
Chlorobenzene	BRL		µg/l	1.0						
Chloroethane	BRL		µg/l	2.0						
Chloroform	BRL		µg/l	1.0						
Chloromethane	BRL		µg/l	2.0						
2-Chlorotoluene	BRL		µg/l	1.0						
4-Chlorotoluene	BRL		µg/l	1.0						
1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0						
Dibromochloromethane	BRL		µg/l	0.5						
1,2-Dibromoethane (EDB)	BRL		µg/l	0.5						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9110953 - SW846 5030 Water MS										
Blank (9110953-BLK1)										
Prepared & Analyzed: 12-Nov-09										
Dibromomethane	BRL		µg/l	1.0						
1,2-Dichlorobenzene	BRL		µg/l	1.0						
1,3-Dichlorobenzene	BRL		µg/l	1.0						
1,4-Dichlorobenzene	BRL		µg/l	1.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0						
1,1-Dichloroethane	BRL		µg/l	1.0						
1,2-Dichloroethane	BRL		µg/l	1.0						
1,1-Dichloroethene	BRL		µg/l	1.0						
cis-1,2-Dichloroethene	BRL		µg/l	1.0						
trans-1,2-Dichloroethene	BRL		µg/l	1.0						
1,2-Dichloropropane	BRL		µg/l	1.0						
1,3-Dichloropropane	BRL		µg/l	1.0						
2,2-Dichloropropane	BRL		µg/l	1.0						
1,1-Dichloropropene	BRL		µg/l	1.0						
cis-1,3-Dichloropropene	BRL		µg/l	0.5						
trans-1,3-Dichloropropene	BRL		µg/l	0.5						
Ethylbenzene	BRL		µg/l	1.0						
Hexachlorobutadiene	BRL		µg/l	0.5						
2-Hexanone (MBK)	BRL		µg/l	10.0						
Isopropylbenzene	BRL		µg/l	1.0						
4-Isopropyltoluene	BRL		µg/l	1.0						
Methyl tert-butyl ether	BRL		µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0						
Methylene chloride	BRL		µg/l	5.0						
Naphthalene	BRL		µg/l	1.0						
n-Propylbenzene	BRL		µg/l	1.0						
Styrene	BRL		µg/l	1.0						
1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0						
1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5						
Tetrachloroethene	BRL		µg/l	1.0						
Toluene	BRL		µg/l	1.0						
1,2,3-Trichlorobenzene	BRL		µg/l	1.0						
1,2,4-Trichlorobenzene	BRL		µg/l	1.0						
1,3,5-Trichlorobenzene	BRL		µg/l	1.0						
1,1,1-Trichloroethane	BRL		µg/l	1.0						
1,1,2-Trichloroethane	BRL		µg/l	1.0						
Trichloroethene	BRL		µg/l	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0						
1,2,3-Trichloropropane	BRL		µg/l	1.0						
1,2,4-Trimethylbenzene	BRL		µg/l	1.0						
1,3,5-Trimethylbenzene	BRL		µg/l	1.0						
Vinyl chloride	BRL		µg/l	1.0						
m,p-Xylene	BRL		µg/l	2.0						
o-Xylene	BRL		µg/l	1.0						
Tetrahydrofuran	BRL		µg/l	10.0						
Ethyl ether	BRL		µg/l	1.0						
Tert-amyl methyl ether	BRL		µg/l	1.0						
Ethyl tert-butyl ether	BRL		µg/l	1.0						
Di-isopropyl ether	BRL		µg/l	1.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9110953 - SW846 5030 Water MS										
Blank (9110953-BLK1)										
Prepared & Analyzed: 12-Nov-09										
Tert-Butanol / butyl alcohol	BRL		µg/l	10.0						
1,4-Dioxane	BRL		µg/l	20.0						
trans-1,4-Dichloro-2-butene	BRL		µg/l	5.0						
Ethanol	BRL		µg/l	400						
Surrogate: 4-Bromofluorobenzene	*46.0*		µg/l		*50.0*		*92*	*70-130*		
Surrogate: Toluene-d8	*51.1*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*54.9*		µg/l		*50.0*		*110*	*70-130*		
Surrogate: Dibromofluoromethane	*56.0*		µg/l		*50.0*		*112*	*70-130*		
LCS (9110953-BS1)										
Prepared & Analyzed: 12-Nov-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	28.4	QM9	µg/l		20.0		142	70-130		
Acetone	20.0		µg/l		20.0		100	60.2-138		
Acrylonitrile	22.0		µg/l		20.0		110	70-130		
Benzene	20.2		µg/l		20.0		101	70-130		
Bromobenzene	20.9		µg/l		20.0		105	70-130		
Bromochloromethane	23.8		µg/l		20.0		119	70-130		
Bromodichloromethane	21.2		µg/l		20.0		106	70-130		
Bromoform	22.8		µg/l		20.0		114	70-130		
Bromomethane	22.2		µg/l		20.0		111	56.4-147		
2-Butanone (MEK)	20.7		µg/l		20.0		103	70-142		
n-Butylbenzene	21.9		µg/l		20.0		110	70-130		
sec-Butylbenzene	24.1		µg/l		20.0		120	70-130		
tert-Butylbenzene	23.7		µg/l		20.0		118	70-130		
Carbon disulfide	20.1		µg/l		20.0		101	70-130		
Carbon tetrachloride	21.6		µg/l		20.0		108	70-130		
Chlorobenzene	24.8		µg/l		20.0		124	70-130		
Chloroethane	20.3		µg/l		20.0		101	67.2-130		
Chloroform	23.3		µg/l		20.0		117	70-130		
Chloromethane	19.4		µg/l		20.0		97	70-130		
2-Chlorotoluene	23.2		µg/l		20.0		116	70-130		
4-Chlorotoluene	23.2		µg/l		20.0		116	70-130		
1,2-Dibromo-3-chloropropane	20.2		µg/l		20.0		101	70-130		
Dibromochloromethane	21.1		µg/l		20.0		106	68.9-130		
1,2-Dibromoethane (EDB)	19.9		µg/l		20.0		100	70-130		
Dibromomethane	21.5		µg/l		20.0		108	70-130		
1,2-Dichlorobenzene	21.3		µg/l		20.0		106	70-130		
1,3-Dichlorobenzene	22.4		µg/l		20.0		112	70-130		
1,4-Dichlorobenzene	23.1		µg/l		20.0		116	70-130		
Dichlorodifluoromethane (Freon12)	18.1		µg/l		20.0		91	54.2-135		
1,1-Dichloroethane	22.7		µg/l		20.0		113	70-130		
1,2-Dichloroethane	21.5		µg/l		20.0		107	70-130		
1,1-Dichloroethene	20.2		µg/l		20.0		101	70-130		
cis-1,2-Dichloroethene	24.1		µg/l		20.0		120	70-130		
trans-1,2-Dichloroethene	22.4		µg/l		20.0		112	70-130		
1,2-Dichloropropane	19.2		µg/l		20.0		96	70-130		
1,3-Dichloropropane	19.0		µg/l		20.0		95	70-130		
2,2-Dichloropropane	18.8		µg/l		20.0		94	70-130		
1,1-Dichloropropene	20.5		µg/l		20.0		102	70-130		
cis-1,3-Dichloropropene	20.0		µg/l		20.0		100	70-130		
trans-1,3-Dichloropropene	17.1		µg/l		20.0		85	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9110953 - SW846 5030 Water MS										
LCS (9110953-BS1)										
Prepared & Analyzed: 12-Nov-09										
Ethylbenzene	21.2		µg/l		20.0		106	70-130		
Hexachlorobutadiene	21.2		µg/l		20.0		106	70-133		
2-Hexanone (MBK)	18.4		µg/l		20.0		92	70-130		
Isopropylbenzene	19.5		µg/l		20.0		98	70-130		
4-Isopropyltoluene	21.8		µg/l		20.0		109	70-130		
Methyl tert-butyl ether	18.6		µg/l		20.0		93	70-130		
4-Methyl-2-pentanone (MIBK)	19.2		µg/l		20.0		96	69.1-130		
Methylene chloride	23.9		µg/l		20.0		119	70-130		
Naphthalene	19.1		µg/l		20.0		96	70-130		
n-Propylbenzene	22.4		µg/l		20.0		112	70-130		
Styrene	23.3		µg/l		20.0		116	70-130		
1,1,1,2-Tetrachloroethane	21.6		µg/l		20.0		108	70-130		
1,1,2,2-Tetrachloroethane	21.8		µg/l		20.0		109	70-130		
Tetrachloroethene	21.5		µg/l		20.0		107	70-130		
Toluene	19.4		µg/l		20.0		97	70-130		
1,2,3-Trichlorobenzene	22.8		µg/l		20.0		114	70-130		
1,2,4-Trichlorobenzene	19.8		µg/l		20.0		99	70-130		
1,3,5-Trichlorobenzene	19.6		µg/l		20.0		98	70-130		
1,1,1-Trichloroethane	20.8		µg/l		20.0		104	70-130		
1,1,2-Trichloroethane	20.1		µg/l		20.0		100	70-130		
Trichloroethene	19.1		µg/l		20.0		95	70-130		
Trichlorofluoromethane (Freon 11)	20.6		µg/l		20.0		103	69.8-161		
1,2,3-Trichloropropane	21.9		µg/l		20.0		110	70-130		
1,2,4-Trimethylbenzene	22.6		µg/l		20.0		113	70-130		
1,3,5-Trimethylbenzene	23.5		µg/l		20.0		117	70-130		
Vinyl chloride	23.7		µg/l		20.0		118	70-130		
m,p-Xylene	45.9		µg/l		40.0		115	70-130		
o-Xylene	24.8		µg/l		20.0		124	70-130		
Tetrahydrofuran	19.8		µg/l		20.0		99	70-130		
Ethyl ether	22.7		µg/l		20.0		113	70-130		
Tert-amyl methyl ether	22.8		µg/l		20.0		114	70-130		
Ethyl tert-butyl ether	18.0		µg/l		20.0		90	70-130		
Di-isopropyl ether	17.7		µg/l		20.0		89	70-130		
Tert-Butanol / butyl alcohol	201		µg/l		200		100	70-130		
1,4-Dioxane	182		µg/l		200		91	55.2-158		
trans-1,4-Dichloro-2-butene	16.1		µg/l		20.0		81	70-130		
Ethanol	313		µg/l		400		78	70-130		
Surrogate: 4-Bromofluorobenzene	*53.7*		µg/l		*50.0*		*107*	*70-130*		
Surrogate: Toluene-d8	*50.2*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*47.9*		µg/l		*50.0*		*96*	*70-130*		
Surrogate: Dibromofluoromethane	*49.9*		µg/l		*50.0*		*100*	*70-130*		
LCS Dup (9110953-BSD1)										
Prepared & Analyzed: 12-Nov-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	26.1		µg/l		20.0		130	70-130	9	25
Acetone	19.4		µg/l		20.0		97	60.2-138	3	50
Acrylonitrile	21.1		µg/l		20.0		106	70-130	4	25
Benzene	19.2		µg/l		20.0		96	70-130	5	25
Bromobenzene	19.6		µg/l		20.0		98	70-130	6	25
Bromochloromethane	22.8		µg/l		20.0		114	70-130	4	25
Bromodichloromethane	20.6		µg/l		20.0		103	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 9110953 - SW846 5030 Water MS										
LCS Dup (9110953-BSD1)										
Prepared & Analyzed: 12-Nov-09										
Bromoform	22.0		µg/l		20.0		110	70-130	3	25
Bromomethane	20.0		µg/l		20.0		100	56.4-147	10	50
2-Butanone (MEK)	20.8		µg/l		20.0		104	70-142	0.6	50
n-Butylbenzene	20.5		µg/l		20.0		103	70-130	7	25
sec-Butylbenzene	22.1		µg/l		20.0		110	70-130	9	25
tert-Butylbenzene	21.8		µg/l		20.0		109	70-130	8	25
Carbon disulfide	18.4		µg/l		20.0		92	70-130	9	25
Carbon tetrachloride	19.8		µg/l		20.0		99	70-130	9	25
Chlorobenzene	23.5		µg/l		20.0		118	70-130	5	25
Chloroethane	19.2		µg/l		20.0		96	67.2-130	5	50
Chloroform	21.5		µg/l		20.0		108	70-130	8	25
Chloromethane	17.8		µg/l		20.0		89	70-130	9	25
2-Chlorotoluene	21.9		µg/l		20.0		110	70-130	6	25
4-Chlorotoluene	21.6		µg/l		20.0		108	70-130	7	25
1,2-Dibromo-3-chloropropane	20.0		µg/l		20.0		100	70-130	1	25
Dibromochloromethane	19.9		µg/l		20.0		99	68.9-130	6	50
1,2-Dibromoethane (EDB)	19.6		µg/l		20.0		98	70-130	2	25
Dibromomethane	21.6		µg/l		20.0		108	70-130	0.1	25
1,2-Dichlorobenzene	20.2		µg/l		20.0		101	70-130	5	25
1,3-Dichlorobenzene	21.0		µg/l		20.0		105	70-130	6	25
1,4-Dichlorobenzene	22.0		µg/l		20.0		110	70-130	5	25
Dichlorodifluoromethane (Freon12)	17.2		µg/l		20.0		86	54.2-135	5	50
1,1-Dichloroethane	21.8		µg/l		20.0		109	70-130	4	25
1,2-Dichloroethane	21.5		µg/l		20.0		108	70-130	0.2	25
1,1-Dichloroethene	18.3		µg/l		20.0		92	70-130	9	25
cis-1,2-Dichloroethene	22.8		µg/l		20.0		114	70-130	5	25
trans-1,2-Dichloroethene	20.4		µg/l		20.0		102	70-130	9	25
1,2-Dichloropropane	18.2		µg/l		20.0		91	70-130	6	25
1,3-Dichloropropane	18.7		µg/l		20.0		93	70-130	2	25
2,2-Dichloropropane	17.7		µg/l		20.0		88	70-130	6	25
1,1-Dichloropropene	19.5		µg/l		20.0		97	70-130	5	25
cis-1,3-Dichloropropene	19.4		µg/l		20.0		97	70-130	3	25
trans-1,3-Dichloropropene	16.2		µg/l		20.0		81	70-130	5	25
Ethylbenzene	19.8		µg/l		20.0		99	70-130	7	25
Hexachlorobutadiene	18.1		µg/l		20.0		90	70-133	16	50
2-Hexanone (MBK)	17.5		µg/l		20.0		88	70-130	5	25
Isopropylbenzene	17.8		µg/l		20.0		89	70-130	9	25
4-Isopropyltoluene	20.3		µg/l		20.0		101	70-130	7	25
Methyl tert-butyl ether	18.5		µg/l		20.0		93	70-130	0.1	25
4-Methyl-2-pentanone (MIBK)	18.8		µg/l		20.0		94	69.1-130	2	50
Methylene chloride	22.2		µg/l		20.0		111	70-130	7	25
Naphthalene	17.8		µg/l		20.0		89	70-130	7	25
n-Propylbenzene	20.6		µg/l		20.0		103	70-130	9	25
Styrene	21.6		µg/l		20.0		108	70-130	8	25
1,1,1,2-Tetrachloroethane	20.5		µg/l		20.0		103	70-130	5	25
1,1,2,2-Tetrachloroethane	21.4		µg/l		20.0		107	70-130	2	25
Tetrachloroethene	19.6		µg/l		20.0		98	70-130	9	25
Toluene	18.3		µg/l		20.0		92	70-130	6	25
1,2,3-Trichlorobenzene	21.7		µg/l		20.0		108	70-130	5	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9110953 - SW846 5030 Water MS										
LCS Dup (9110953-BSD1)										
Prepared & Analyzed: 12-Nov-09										
1,2,4-Trichlorobenzene	18.5		µg/l		20.0		92	70-130	7	25
1,3,5-Trichlorobenzene	18.2		µg/l		20.0		91	70-130	7	25
1,1,1-Trichloroethane	19.9		µg/l		20.0		100	70-130	4	25
1,1,2-Trichloroethane	19.8		µg/l		20.0		99	70-130	2	25
Trichloroethene	17.7		µg/l		20.0		88	70-130	8	25
Trichlorofluoromethane (Freon 11)	18.9		µg/l		20.0		94	69.8-161	9	50
1,2,3-Trichloropropane	21.6		µg/l		20.0		108	70-130	1	25
1,2,4-Trimethylbenzene	20.8		µg/l		20.0		104	70-130	8	25
1,3,5-Trimethylbenzene	21.8		µg/l		20.0		109	70-130	7	25
Vinyl chloride	21.8		µg/l		20.0		109	70-130	8	25
m,p-Xylene	43.1		µg/l		40.0		108	70-130	6	25
o-Xylene	22.7		µg/l		20.0		113	70-130	9	25
Tetrahydrofuran	20.8		µg/l		20.0		104	70-130	5	25
Ethyl ether	22.2		µg/l		20.0		111	70-130	2	50
Tert-amyl methyl ether	21.9		µg/l		20.0		109	70-130	4	25
Ethyl tert-butyl ether	17.5		µg/l		20.0		88	70-130	3	25
Di-isopropyl ether	17.4		µg/l		20.0		87	70-130	2	25
Tert-Butanol / butyl alcohol	211		µg/l		200		106	70-130	5	25
1,4-Dioxane	182		µg/l		200		91	55.2-158	0.07	25
trans-1,4-Dichloro-2-butene	15.1		µg/l		20.0		76	70-130	7	25
Ethanol	294		µg/l		400		73	70-130	6	30
Surrogate: 4-Bromofluorobenzene	*52.9*		µg/l		*50.0*		*106*	*70-130*		
Surrogate: Toluene-d8	*50.1*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.7*		µg/l		*50.0*		*97*	*70-130*		
Surrogate: Dibromofluoromethane	*49.4*		µg/l		*50.0*		*99*	*70-130*		
Batch 9111062 - SW846 5030 Soil (high level)										
Blank (9111062-BLK1)										
Prepared & Analyzed: 13-Nov-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet we	1.0						
Acetone	BRL		µg/kg wet we	10.0						
Acrylonitrile	BRL		µg/kg wet we	1.0						
Benzene	BRL		µg/kg wet we	1.0						
Bromobenzene	BRL		µg/kg wet we	1.0						
Bromochloromethane	BRL		µg/kg wet we	1.0						
Bromodichloromethane	BRL		µg/kg wet we	1.0						
Bromoform	BRL		µg/kg wet we	1.0						
Bromomethane	BRL		µg/kg wet we	2.0						
2-Butanone (MEK)	BRL		µg/kg wet we	10.0						
n-Butylbenzene	BRL		µg/kg wet we	1.0						
sec-Butylbenzene	BRL		µg/kg wet we	1.0						
tert-Butylbenzene	BRL		µg/kg wet we	1.0						
Carbon disulfide	BRL		µg/kg wet we	5.0						
Carbon tetrachloride	BRL		µg/kg wet we	1.0						
Chlorobenzene	BRL		µg/kg wet we	1.0						
Chloroethane	BRL		µg/kg wet we	2.0						
Chloroform	BRL		µg/kg wet we	1.0						
Chloromethane	BRL		µg/kg wet we	2.0						
2-Chlorotoluene	BRL		µg/kg wet we	1.0						
4-Chlorotoluene	BRL		µg/kg wet we	1.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9111062 - SW846 5030 Soil (high level)										
Blank (9111062-BLK1)										
Prepared & Analyzed: 13-Nov-09										
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet we	2.0						
Dibromochloromethane	BRL		µg/kg wet we	1.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet we	1.0						
Dibromomethane	BRL		µg/kg wet we	1.0						
1,2-Dichlorobenzene	BRL		µg/kg wet we	1.0						
1,3-Dichlorobenzene	BRL		µg/kg wet we	1.0						
1,4-Dichlorobenzene	BRL		µg/kg wet we	1.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet we	2.0						
1,1-Dichloroethane	BRL		µg/kg wet we	1.0						
1,2-Dichloroethane	BRL		µg/kg wet we	1.0						
1,1-Dichloroethene	BRL		µg/kg wet we	1.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet we	1.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet we	1.0						
1,2-Dichloropropane	BRL		µg/kg wet we	1.0						
1,3-Dichloropropane	BRL		µg/kg wet we	1.0						
2,2-Dichloropropane	BRL		µg/kg wet we	1.0						
1,1-Dichloropropene	BRL		µg/kg wet we	1.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet we	1.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet we	1.0						
Ethylbenzene	BRL		µg/kg wet we	1.0						
Hexachlorobutadiene	BRL		µg/kg wet we	1.0						
2-Hexanone (MBK)	BRL		µg/kg wet we	10.0						
Isopropylbenzene	BRL		µg/kg wet we	1.0						
4-Isopropyltoluene	BRL		µg/kg wet we	1.0						
Methyl tert-butyl ether	BRL		µg/kg wet we	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet we	10.0						
Methylene chloride	BRL		µg/kg wet we	10.0						
Naphthalene	BRL		µg/kg wet we	1.0						
n-Propylbenzene	BRL		µg/kg wet we	1.0						
Styrene	BRL		µg/kg wet we	1.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet we	1.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet we	1.0						
Tetrachloroethene	BRL		µg/kg wet we	1.0						
Toluene	BRL		µg/kg wet we	1.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet we	1.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet we	1.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet we	1.0						
1,1,1-Trichloroethane	BRL		µg/kg wet we	1.0						
1,1,2-Trichloroethane	BRL		µg/kg wet we	1.0						
Trichloroethene	BRL		µg/kg wet we	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet we	1.0						
1,2,3-Trichloropropane	BRL		µg/kg wet we	1.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet we	1.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet we	1.0						
Vinyl chloride	BRL		µg/kg wet we	1.0						
m,p-Xylene	BRL		µg/kg wet we	2.0						
o-Xylene	BRL		µg/kg wet we	1.0						
Tetrahydrofuran	BRL		µg/kg wet we	10.0						
Ethyl ether	BRL		µg/kg wet we	1.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9111062 - SW846 5030 Soil (high level)										
Blank (9111062-BLK1)										
Prepared & Analyzed: 13-Nov-09										
Tert-amyl methyl ether	BRL		µg/kg wet we	1.0						
Ethyl tert-butyl ether	BRL		µg/kg wet we	1.0						
Di-isopropyl ether	BRL		µg/kg wet we	1.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet we	10.0						
1,4-Dioxane	BRL		µg/kg wet we	20.0						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet we	5.0						
Ethanol	BRL		µg/kg wet we	400						
Surrogate: 4-Bromofluorobenzene	*29.2*		µg/l wet		*30.0*		*97*	*70-130*		
Surrogate: Toluene-d8	*30.6*		µg/l wet		*30.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*31.5*		µg/l wet		*30.0*		*105*	*70-130*		
Surrogate: Dibromofluoromethane	*30.2*		µg/l wet		*30.0*		*101*	*70-130*		
LCS (9111062-BS1)										
Prepared & Analyzed: 13-Nov-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	22.2		µg/l wet		20.0		111	70-130		
Acetone	20.4		µg/l wet		20.0		102	45.6-155		
Acrylonitrile	20.7		µg/l wet		20.0		103	70-130		
Benzene	17.4		µg/l wet		20.0		87	70-130		
Bromobenzene	19.2		µg/l wet		20.0		96	70-130		
Bromochloromethane	18.3		µg/l wet		20.0		92	70-130		
Bromodichloromethane	20.9		µg/l wet		20.0		104	70-130		
Bromoform	20.2		µg/l wet		20.0		101	70-130		
Bromomethane	16.8		µg/l wet		20.0		84	67.5-130		
2-Butanone (MEK)	19.9		µg/l wet		20.0		99	66.1-134		
n-Butylbenzene	20.4		µg/l wet		20.0		102	70-130		
sec-Butylbenzene	19.8		µg/l wet		20.0		99	70-130		
tert-Butylbenzene	20.0		µg/l wet		20.0		100	70-130		
Carbon disulfide	19.8		µg/l wet		20.0		99	70-130		
Carbon tetrachloride	18.1		µg/l wet		20.0		90	70-130		
Chlorobenzene	18.6		µg/l wet		20.0		93	70-130		
Chloroethane	17.5		µg/l wet		20.0		88	65-133		
Chloroform	18.2		µg/l wet		20.0		91	70-130		
Chloromethane	18.1		µg/l wet		20.0		90	70-130		
2-Chlorotoluene	19.0		µg/l wet		20.0		95	70-130		
4-Chlorotoluene	18.5		µg/l wet		20.0		93	70-130		
1,2-Dibromo-3-chloropropane	18.4		µg/l wet		20.0		92	70-130		
Dibromochloromethane	18.7		µg/l wet		20.0		94	63.7-130		
1,2-Dibromoethane (EDB)	19.2		µg/l wet		20.0		96	70-130		
Dibromomethane	18.7		µg/l wet		20.0		93	70-130		
1,2-Dichlorobenzene	18.8		µg/l wet		20.0		94	70-130		
1,3-Dichlorobenzene	19.6		µg/l wet		20.0		98	70-130		
1,4-Dichlorobenzene	18.1		µg/l wet		20.0		90	70-130		
Dichlorodifluoromethane (Freon12)	18.7		µg/l wet		20.0		93	47.8-136		
1,1-Dichloroethane	22.5		µg/l wet		20.0		113	70-130		
1,2-Dichloroethane	19.1		µg/l wet		20.0		95	70-130		
1,1-Dichloroethene	19.0		µg/l wet		20.0		95	70-130		
cis-1,2-Dichloroethene	18.6		µg/l wet		20.0		93	70-130		
trans-1,2-Dichloroethene	17.8		µg/l wet		20.0		89	70-130		
1,2-Dichloropropane	17.8		µg/l wet		20.0		89	70-130		
1,3-Dichloropropane	19.1		µg/l wet		20.0		96	70-130		
2,2-Dichloropropane	15.8		µg/l wet		20.0		79	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9111062 - SW846 5030 Soil (high level)										
LCS (9111062-BS1)										
Prepared & Analyzed: 13-Nov-09										
1,1-Dichloropropene	18.2		µg/l wet		20.0		91	70-130		
cis-1,3-Dichloropropene	18.3		µg/l wet		20.0		92	70-130		
trans-1,3-Dichloropropene	17.6		µg/l wet		20.0		88	70-130		
Ethylbenzene	18.0		µg/l wet		20.0		90	70-130		
Hexachlorobutadiene	19.6		µg/l wet		20.0		98	70-130		
2-Hexanone (MBK)	19.6		µg/l wet		20.0		98	70-130		
Isopropylbenzene	15.9		µg/l wet		20.0		80	70-130		
4-Isopropyltoluene	18.9		µg/l wet		20.0		95	70-130		
Methyl tert-butyl ether	22.0		µg/l wet		20.0		110	70-130		
4-Methyl-2-pentanone (MIBK)	18.6		µg/l wet		20.0		93	66.5-130		
Methylene chloride	18.7		µg/l wet		20.0		93	70-130		
Naphthalene	23.1		µg/l wet		20.0		115	70-130		
n-Propylbenzene	18.6		µg/l wet		20.0		93	70-130		
Styrene	19.5		µg/l wet		20.0		98	70-130		
1,1,1,2-Tetrachloroethane	21.0		µg/l wet		20.0		105	70-130		
1,1,2,2-Tetrachloroethane	20.0		µg/l wet		20.0		100	70-130		
Tetrachloroethene	18.3		µg/l wet		20.0		91	70-130		
Toluene	17.5		µg/l wet		20.0		88	70-130		
1,2,3-Trichlorobenzene	23.1		µg/l wet		20.0		116	70-130		
1,2,4-Trichlorobenzene	20.8		µg/l wet		20.0		104	70-130		
1,3,5-Trichlorobenzene	18.5		µg/l wet		20.0		92	70-130		
1,1,1-Trichloroethane	17.6		µg/l wet		20.0		88	70-130		
1,1,2-Trichloroethane	18.9		µg/l wet		20.0		94	70-130		
Trichloroethene	17.7		µg/l wet		20.0		89	70-130		
Trichlorofluoromethane (Freon 11)	20.1		µg/l wet		20.0		100	70-142		
1,2,3-Trichloropropane	21.5		µg/l wet		20.0		107	70-130		
1,2,4-Trimethylbenzene	19.2		µg/l wet		20.0		96	70-130		
1,3,5-Trimethylbenzene	18.8		µg/l wet		20.0		94	70-130		
Vinyl chloride	22.2		µg/l wet		20.0		111	70-130		
m,p-Xylene	36.2		µg/l wet		40.0		90	70-130		
o-Xylene	19.2		µg/l wet		20.0		96	70-130		
Tetrahydrofuran	21.2		µg/l wet		20.0		106	70-130		
Ethyl ether	19.7		µg/l wet		20.0		99	70-130		
Tert-amyl methyl ether	18.5		µg/l wet		20.0		93	70-130		
Ethyl tert-butyl ether	18.2		µg/l wet		20.0		91	70-130		
Di-isopropyl ether	18.0		µg/l wet		20.0		90	70-130		
Tert-Butanol / butyl alcohol	216		µg/l wet		200		108	70-130		
1,4-Dioxane	233		µg/l wet		200		116	56.3-148		
trans-1,4-Dichloro-2-butene	12.6	QM9	µg/l wet		20.0		63	70-130		
Ethanol	495		µg/l wet		400		124	70-130		
Surrogate: 4-Bromofluorobenzene	*30.6*		µg/l wet		*30.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*30.7*		µg/l wet		*30.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*30.6*		µg/l wet		*30.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane	*30.5*		µg/l wet		*30.0*		*102*	*70-130*		
LCS Dup (9111062-BSD1)										
Prepared & Analyzed: 13-Nov-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	25.2		µg/l wet		20.0		126	70-130	13	25
Acetone	23.7		µg/l wet		20.0		119	45.6-155	15	50
Acrylonitrile	23.4		µg/l wet		20.0		117	70-130	12	25
Benzene	18.6		µg/l wet		20.0		93	70-130	7	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9111062 - SW846 5030 Soil (high level)										
LCS Dup (9111062-BSD1)										
Prepared & Analyzed: 13-Nov-09										
Bromobenzene	20.5		µg/l wet		20.0		102	70-130	7	25
Bromochloromethane	27.6	QM9, QR5	µg/l wet		20.0		138	70-130	40	25
Bromodichloromethane	21.7		µg/l wet		20.0		109	70-130	4	25
Bromoform	22.0		µg/l wet		20.0		110	70-130	9	25
Bromomethane	18.9		µg/l wet		20.0		94	67.5-130	12	50
2-Butanone (MEK)	33.2	QM9	µg/l wet		20.0		166	66.1-134	50	50
n-Butylbenzene	21.2		µg/l wet		20.0		106	70-130	4	25
sec-Butylbenzene	22.0		µg/l wet		20.0		110	70-130	11	25
tert-Butylbenzene	21.9		µg/l wet		20.0		109	70-130	9	25
Carbon disulfide	21.9		µg/l wet		20.0		110	70-130	10	25
Carbon tetrachloride	19.8		µg/l wet		20.0		99	70-130	9	25
Chlorobenzene	20.1		µg/l wet		20.0		100	70-130	7	25
Chloroethane	20.0		µg/l wet		20.0		100	65-133	13	50
Chloroform	21.9		µg/l wet		20.0		110	70-130	18	25
Chloromethane	20.3		µg/l wet		20.0		102	70-130	12	25
2-Chlorotoluene	20.3		µg/l wet		20.0		102	70-130	7	25
4-Chlorotoluene	20.4		µg/l wet		20.0		102	70-130	10	25
1,2-Dibromo-3-chloropropane	19.3		µg/l wet		20.0		97	70-130	5	25
Dibromochloromethane	19.8		µg/l wet		20.0		99	63.7-130	5	50
1,2-Dibromoethane (EDB)	20.2		µg/l wet		20.0		101	70-130	5	25
Dibromomethane	19.6		µg/l wet		20.0		98	70-130	5	25
1,2-Dichlorobenzene	18.9		µg/l wet		20.0		94	70-130	0.4	25
1,3-Dichlorobenzene	21.4		µg/l wet		20.0		107	70-130	8	25
1,4-Dichlorobenzene	18.1		µg/l wet		20.0		91	70-130	0.2	25
Dichlorodifluoromethane (Freon12)	22.8		µg/l wet		20.0		114	47.8-136	20	50
1,1-Dichloroethane	25.4		µg/l wet		20.0		127	70-130	12	25
1,2-Dichloroethane	19.5		µg/l wet		20.0		98	70-130	2	25
1,1-Dichloroethene	21.6		µg/l wet		20.0		108	70-130	13	25
cis-1,2-Dichloroethene	27.9	QM9, QR5	µg/l wet		20.0		140	70-130	40	25
trans-1,2-Dichloroethene	20.1		µg/l wet		20.0		101	70-130	12	25
1,2-Dichloropropane	18.8		µg/l wet		20.0		94	70-130	5	25
1,3-Dichloropropane	19.6		µg/l wet		20.0		98	70-130	3	25
2,2-Dichloropropane	18.8		µg/l wet		20.0		94	70-130	17	25
1,1-Dichloropropene	19.7		µg/l wet		20.0		98	70-130	8	25
cis-1,3-Dichloropropene	19.2		µg/l wet		20.0		96	70-130	4	25
trans-1,3-Dichloropropene	18.9		µg/l wet		20.0		95	70-130	7	25
Ethylbenzene	19.8		µg/l wet		20.0		99	70-130	9	25
Hexachlorobutadiene	20.8		µg/l wet		20.0		104	70-130	6	50
2-Hexanone (MBK)	22.6		µg/l wet		20.0		113	70-130	14	25
Isopropylbenzene	17.5		µg/l wet		20.0		88	70-130	9	25
4-Isopropyltoluene	19.7		µg/l wet		20.0		98	70-130	4	25
Methyl tert-butyl ether	24.2		µg/l wet		20.0		121	70-130	10	25
4-Methyl-2-pentanone (MIBK)	21.5		µg/l wet		20.0		108	66.5-130	15	50
Methylene chloride	20.2		µg/l wet		20.0		101	70-130	8	25
Naphthalene	22.6		µg/l wet		20.0		113	70-130	2	25
n-Propylbenzene	20.2		µg/l wet		20.0		101	70-130	9	25
Styrene	21.1		µg/l wet		20.0		106	70-130	8	25
1,1,1,2-Tetrachloroethane	21.5		µg/l wet		20.0		107	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 9111062 - SW846 5030 Soil (high level)										
LCS Dup (9111062-BSD1)										
Prepared & Analyzed: 13-Nov-09										
1,1,2,2-Tetrachloroethane	22.4		µg/l wet		20.0		112	70-130	11	25
Tetrachloroethene	20.0		µg/l wet		20.0		100	70-130	9	25
Toluene	18.6		µg/l wet		20.0		93	70-130	6	25
1,2,3-Trichlorobenzene	23.2		µg/l wet		20.0		116	70-130	0.4	25
1,2,4-Trichlorobenzene	21.1		µg/l wet		20.0		105	70-130	2	25
1,3,5-Trichlorobenzene	18.9		µg/l wet		20.0		94	70-130	2	25
1,1,1-Trichloroethane	19.0		µg/l wet		20.0		95	70-130	8	25
1,1,2-Trichloroethane	19.6		µg/l wet		20.0		98	70-130	4	25
Trichloroethene	19.3		µg/l wet		20.0		96	70-130	8	25
Trichlorofluoromethane (Freon 11)	23.5		µg/l wet		20.0		117	70-142	16	50
1,2,3-Trichloropropane	23.5		µg/l wet		20.0		117	70-130	9	25
1,2,4-Trimethylbenzene	21.1		µg/l wet		20.0		105	70-130	9	25
1,3,5-Trimethylbenzene	20.8		µg/l wet		20.0		104	70-130	10	25
Vinyl chloride	26.1		µg/l wet		20.0		130	70-130	16	25
m,p-Xylene	39.8		µg/l wet		40.0		99	70-130	9	25
o-Xylene	20.8		µg/l wet		20.0		104	70-130	8	25
Tetrahydrofuran	25.1		µg/l wet		20.0		125	70-130	17	25
Ethyl ether	20.8		µg/l wet		20.0		104	70-130	5	50
Tert-amyl methyl ether	19.2		µg/l wet		20.0		96	70-130	4	25
Ethyl tert-butyl ether	18.9		µg/l wet		20.0		95	70-130	4	25
Di-isopropyl ether	24.6	QR2	µg/l wet		20.0		123	70-130	31	25
Tert-Butanol / butyl alcohol	261		µg/l wet		200		130	70-130	19	25
1,4-Dioxane	249		µg/l wet		200		124	56.3-148	7	25
trans-1,4-Dichloro-2-butene	15.0		µg/l wet		20.0		75	70-130	18	25
Ethanol	636	QM9	µg/l wet		400		159	70-130	25	30
Surrogate: 4-Bromofluorobenzene	*31.9*		µg/l wet		*30.0*		*106*	*70-130*		
Surrogate: Toluene-d8	*30.7*		µg/l wet		*30.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*31.6*		µg/l wet		*30.0*		*105*	*70-130*		
Surrogate: Dibromofluoromethane	*30.5*		µg/l wet		*30.0*		*102*	*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 9110808 - SW846 3545A										
Blank (9110808-BLK1)										
Prepared & Analyzed: 11-Nov-09										
Acenaphthene	BRL		µg/kg wet we	82.5						
Acenaphthylene	BRL		µg/kg wet we	82.5						
Aniline	BRL		µg/kg wet we	165						
Anthracene	BRL		µg/kg wet we	82.5						
Atrazine	BRL		µg/kg wet we	165						
Azobenzene/Diphenyldiazine	BRL		µg/kg wet we	165						
Benzidine	BRL		µg/kg wet we	165						
Benzo (a) anthracene	BRL		µg/kg wet we	82.5						
Benzo (a) pyrene	BRL		µg/kg wet we	82.5						
Benzo (b) fluoranthene	BRL		µg/kg wet we	82.5						
Benzo (g,h,i) perylene	BRL		µg/kg wet we	82.5						
Benzo (k) fluoranthene	BRL		µg/kg wet we	82.5						
Benzoic acid	BRL		µg/kg wet we	165						
Benzyl alcohol	BRL		µg/kg wet we	165						
Bis(2-chloroethoxy)methane	BRL		µg/kg wet we	165						
Bis(2-chloroethyl)ether	BRL		µg/kg wet we	165						
Bis(2-chloroisopropyl)ether	BRL		µg/kg wet we	165						
Bis(2-ethylhexyl)phthalate	BRL		µg/kg wet we	165						
4-Bromophenyl phenyl ether	BRL		µg/kg wet we	165						
Butyl benzyl phthalate	BRL		µg/kg wet we	165						
Carbazole	BRL		µg/kg wet we	165						
4-Chloro-3-methylphenol	BRL		µg/kg wet we	165						
4-Chloroaniline	BRL		µg/kg wet we	165						
2-Chloronaphthalene	BRL		µg/kg wet we	165						
2-Chlorophenol	BRL		µg/kg wet we	165						
4-Chlorophenyl phenyl ether	BRL		µg/kg wet we	165						
Chrysene	BRL		µg/kg wet we	82.5						
Dibenzo (a,h) anthracene	BRL		µg/kg wet we	82.5						
Dibenzofuran	BRL		µg/kg wet we	165						
1,2-Dichlorobenzene	BRL		µg/kg wet we	165						
1,3-Dichlorobenzene	BRL		µg/kg wet we	165						
1,4-Dichlorobenzene	BRL		µg/kg wet we	165						
3,3'-Dichlorobenzidine	BRL		µg/kg wet we	165						
2,4-Dichlorophenol	BRL		µg/kg wet we	165						
Diethyl phthalate	BRL		µg/kg wet we	165						
Dimethyl phthalate	BRL		µg/kg wet we	165						
2,4-Dimethylphenol	BRL		µg/kg wet we	165						
Di-n-butyl phthalate	BRL		µg/kg wet we	165						
4,6-Dinitro-2-methylphenol	BRL		µg/kg wet we	165						
2,4-Dinitrophenol	BRL		µg/kg wet we	165						
2,4-Dinitrotoluene	BRL		µg/kg wet we	165						
2,6-Dinitrotoluene	BRL		µg/kg wet we	165						
Di-n-octyl phthalate	BRL		µg/kg wet we	165						
Fluoranthene	BRL		µg/kg wet we	82.5						
Fluorene	BRL		µg/kg wet we	82.5						
Hexachlorobenzene	BRL		µg/kg wet we	165						
Hexachlorobutadiene	BRL		µg/kg wet we	165						
Hexachlorocyclopentadiene	BRL		µg/kg wet we	165						
Hexachloroethane	BRL		µg/kg wet we	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 9110808 - SW846 3545A										
Blank (9110808-BLK1)										
Prepared & Analyzed: 11-Nov-09										
Indeno (1,2,3-cd) pyrene	BRL		µg/kg wet we	82.5						
Isophorone	BRL		µg/kg wet we	165						
1-Methylnaphthalene	BRL		µg/kg wet we	82.5						
2-Methylnaphthalene	BRL		µg/kg wet we	82.5						
2-Methylphenol	BRL		µg/kg wet we	165						
3 & 4-Methylphenol	BRL		µg/kg wet we	165						
Naphthalene	BRL		µg/kg wet we	82.5						
2-Nitroaniline	BRL		µg/kg wet we	165						
3-Nitroaniline	BRL		µg/kg wet we	165						
4-Nitroaniline	BRL		µg/kg wet we	660						
Nitrobenzene	BRL		µg/kg wet we	165						
2-Nitrophenol	BRL		µg/kg wet we	165						
4-Nitrophenol	BRL		µg/kg wet we	660						
N-Nitrosodimethylamine	BRL		µg/kg wet we	165						
N-Nitrosodi-n-propylamine	BRL		µg/kg wet we	165						
N-Nitrosodiphenylamine	BRL		µg/kg wet we	165						
Pentachlorophenol	BRL		µg/kg wet we	165						
Phenanthrene	BRL		µg/kg wet we	82.5						
Phenol	BRL		µg/kg wet we	165						
Pyrene	BRL		µg/kg wet we	82.5						
Pyridine	BRL		µg/kg wet we	165						
1,2,4-Trichlorobenzene	BRL		µg/kg wet we	165						
2,4,5-Trichlorophenol	BRL		µg/kg wet we	165						
2,4,6-Trichlorophenol	BRL		µg/kg wet we	165						
Pentachloronitrobenzene	BRL		µg/kg wet we	165						
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg wet we	165						
Surrogate: 2-Fluorobiphenyl	*1220*		µg/kg wet we		*1670*		*73*	*30-130*		
Surrogate: 2-Fluorophenol	*1240*		µg/kg wet we		*1670*		*75*	*15-110*		
Surrogate: Nitrobenzene-d5	*1350*		µg/kg wet we		*1670*		*81*	*30-130*		
Surrogate: Phenol-d5	*1080*		µg/kg wet we		*1670*		*65*	*15-110*		
Surrogate: Terphenyl-d14	*1230*		µg/kg wet we		*1670*		*74*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1600*		µg/kg wet we		*1670*		*96*	*15-110*		
LCS (9110808-BS1)										
Prepared & Analyzed: 11-Nov-09										
Acenaphthene	1430		µg/kg wet we	82.5	1670		86	40-130		
Acenaphthylene	1440		µg/kg wet we	82.5	1670		86	40-130		
Aniline	953		µg/kg wet we	165	1670		57	40-130		
Anthracene	1400		µg/kg wet we	82.5	1670		84	40-130		
Atrazine	2110		µg/kg wet we	165	1670		127	40-130		
Azobenzene/Diphenyldiazine	1520		µg/kg wet we	165	1670		91	40-130		
Benzidine	64.0		µg/kg wet we	165	1670		4	0-130		
Benzo (a) anthracene	1460		µg/kg wet we	82.5	1670		88	40-130		
Benzo (a) pyrene	1440		µg/kg wet we	82.5	1670		87	40-130		
Benzo (b) fluoranthene	1550		µg/kg wet we	82.5	1670		93	40-130		
Benzo (g,h,i) perylene	1200		µg/kg wet we	82.5	1670		72	40-130		
Benzo (k) fluoranthene	1420		µg/kg wet we	82.5	1670		85	40-130		
Benzoic acid	1430		µg/kg wet we	165	1670		86	10-153		
Benzyl alcohol	1050		µg/kg wet we	165	1670		63	40-130		
Bis(2-chloroethoxy)methane	1260		µg/kg wet we	165	1670		75	40-130		
Bis(2-chloroethyl)ether	983		µg/kg wet we	165	1670		59	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 9110808 - SW846 3545A										
LCS (9110808-BS1)										
Prepared & Analyzed: 11-Nov-09										
Bis(2-chloroisopropyl)ether	1400		µg/kg wet we	165	1670		84	40-130		
Bis(2-ethylhexyl)phthalate	1500		µg/kg wet we	165	1670		90	40-130		
4-Bromophenyl phenyl ether	1560		µg/kg wet we	165	1670		94	40-130		
Butyl benzyl phthalate	1440		µg/kg wet we	165	1670		86	40-130		
Carbazole	1370		µg/kg wet we	165	1670		82	40-130		
4-Chloro-3-methylphenol	1580		µg/kg wet we	165	1670		95	40-130		
4-Chloroaniline	782		µg/kg wet we	165	1670		47	40-130		
2-Chloronaphthalene	1350		µg/kg wet we	165	1670		81	40-130		
2-Chlorophenol	1250		µg/kg wet we	165	1670		75	40-130		
4-Chlorophenyl phenyl ether	1390		µg/kg wet we	165	1670		83	40-130		
Chrysene	1360		µg/kg wet we	82.5	1670		81	40-130		
Dibenzo (a,h) anthracene	1260		µg/kg wet we	82.5	1670		75	40-130		
Dibenzofuran	1370		µg/kg wet we	165	1670		82	40-130		
1,2-Dichlorobenzene	1130		µg/kg wet we	165	1670		68	40-130		
1,3-Dichlorobenzene	1100		µg/kg wet we	165	1670		66	40-130		
1,4-Dichlorobenzene	1250		µg/kg wet we	165	1670		75	40-130		
3,3'-Dichlorobenzidine	1290		µg/kg wet we	165	1670		78	40-130		
2,4-Dichlorophenol	1330		µg/kg wet we	165	1670		80	40-130		
Diethyl phthalate	1520		µg/kg wet we	165	1670		91	40-130		
Dimethyl phthalate	1460		µg/kg wet we	165	1670		88	40-130		
2,4-Dimethylphenol	1280		µg/kg wet we	165	1670		77	40-130		
Di-n-butyl phthalate	1490		µg/kg wet we	165	1670		89	40-130		
4,6-Dinitro-2-methylphenol	690		µg/kg wet we	165	1670		41	40-130		
2,4-Dinitrophenol	676		µg/kg wet we	165	1670		41	40-130		
2,4-Dinitrotoluene	1480		µg/kg wet we	165	1670		89	40-130		
2,6-Dinitrotoluene	1580		µg/kg wet we	165	1670		95	40-130		
Di-n-octyl phthalate	1790		µg/kg wet we	165	1670		108	40-130		
Fluoranthene	1360		µg/kg wet we	82.5	1670		82	40-130		
Fluorene	1390		µg/kg wet we	82.5	1670		83	40-130		
Hexachlorobenzene	1390		µg/kg wet we	165	1670		83	40-130		
Hexachlorobutadiene	1160		µg/kg wet we	165	1670		70	40-130		
Hexachlorocyclopentadiene	629	QC2	µg/kg wet we	165	1670		38	40-130		
Hexachloroethane	1240		µg/kg wet we	165	1670		75	40-130		
Indeno (1,2,3-cd) pyrene	1220		µg/kg wet we	82.5	1670		73	40-130		
Isophorone	1250		µg/kg wet we	165	1670		75	40-130		
1-Methylnaphthalene	1420		µg/kg wet we	82.5	1670		85	40-140		
2-Methylnaphthalene	1270		µg/kg wet we	82.5	1670		76	40-130		
2-Methylphenol	1280		µg/kg wet we	165	1670		77	40-130		
3 & 4-Methylphenol	1330		µg/kg wet we	165	1670		80	40-130		
Naphthalene	1280		µg/kg wet we	82.5	1670		77	40-130		
2-Nitroaniline	1550		µg/kg wet we	165	1670		93	40-130		
3-Nitroaniline	915		µg/kg wet we	165	1670		55	40-130		
4-Nitroaniline	1390		µg/kg wet we	660	1670		84	40-130		
Nitrobenzene	1370		µg/kg wet we	165	1670		82	40-130		
2-Nitrophenol	1440		µg/kg wet we	165	1670		87	40-130		
4-Nitrophenol	1170		µg/kg wet we	660	1670		70	40-130		
N-Nitrosodimethylamine	608	QC2	µg/kg wet we	165	1670		36	40-130		
N-Nitrosodi-n-propylamine	1250		µg/kg wet we	165	1670		75	40-130		
N-Nitrosodiphenylamine	1510		µg/kg wet we	165	1670		90	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 9110808 - SW846 3545A										
LCS (9110808-BS1)										
Prepared & Analyzed: 11-Nov-09										
Pentachlorophenol	1470		µg/kg wet we	165	1670		88	40-130		
Phenanthrene	1400		µg/kg wet we	82.5	1670		84	40-130		
Phenol	1230		µg/kg wet we	165	1670		74	40-130		
Pyrene	1450		µg/kg wet we	82.5	1670		87	40-130		
Pyridine	250		µg/kg wet we	165	1670		15	10-159		
1,2,4-Trichlorobenzene	1240		µg/kg wet we	165	1670		74	40-130		
2,4,5-Trichlorophenol	1520		µg/kg wet we	165	1670		91	40-130		
2,4,6-Trichlorophenol	1400		µg/kg wet we	165	1670		84	40-130		
Pentachloronitrobenzene	1560		µg/kg wet we	165	1670		94	40-140		
1,2,4,5-Tetrachlorobenzene	1350		µg/kg wet we	165	1670		81	40-140		
Surrogate: 2-Fluorobiphenyl	*1340*		µg/kg wet we		*1670*		*80*	*30-130*		
Surrogate: 2-Fluorophenol	*1120*		µg/kg wet we		*1670*		*67*	*15-110*		
Surrogate: Nitrobenzene-d5	*1430*		µg/kg wet we		*1670*		*86*	*30-130*		
Surrogate: Phenol-d5	*972*		µg/kg wet we		*1670*		*58*	*15-110*		
Surrogate: Terphenyl-dl4	*1240*		µg/kg wet we		*1670*		*74*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1710*		µg/kg wet we		*1670*		*103*	*15-110*		
Duplicate (9110808-DUP1)	**Source: SB03742-05**									
Prepared & Analyzed: 11-Nov-09										
Acenaphthene	BRL		µg/kg dry dry	207		BRL				50
Acenaphthylene	BRL		µg/kg dry dry	207		BRL				50
Aniline	BRL		µg/kg dry dry	415		BRL				50
Anthracene	BRL		µg/kg dry dry	207		BRL				50
Atrazine	BRL		µg/kg dry dry	415		BRL				50
Azobenzene/Diphenyldiazine	BRL		µg/kg dry dry	415		BRL				50
Benzidine	BRL		µg/kg dry dry	415		BRL				50
Benzo (a) anthracene	BRL		µg/kg dry dry	207		BRL				50
Benzo (a) pyrene	BRL		µg/kg dry dry	207		BRL				50
Benzo (b) fluoranthene	BRL		µg/kg dry dry	207		BRL				50
Benzo (g,h,i) perylene	BRL		µg/kg dry dry	207		BRL				50
Benzo (k) fluoranthene	BRL		µg/kg dry dry	207		BRL				50
Benzoic acid	BRL		µg/kg dry dry	415		BRL				50
Benzyl alcohol	BRL		µg/kg dry dry	415		BRL				50
Bis(2-chloroethoxy)methane	BRL		µg/kg dry dry	415		BRL				50
Bis(2-chloroethyl)ether	BRL		µg/kg dry dry	415		BRL				50
Bis(2-chloroisopropyl)ether	BRL		µg/kg dry dry	415		BRL				50
Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry dry	415		BRL				50
4-Bromophenyl phenyl ether	BRL		µg/kg dry dry	415		BRL				50
Butyl benzyl phthalate	BRL		µg/kg dry dry	415		BRL				50
Carbazole	BRL		µg/kg dry dry	415		BRL				50
4-Chloro-3-methylphenol	BRL		µg/kg dry dry	415		BRL				50
4-Chloroaniline	BRL		µg/kg dry dry	415		BRL				50
2-Chloronaphthalene	BRL		µg/kg dry dry	415		BRL				50
2-Chlorophenol	BRL		µg/kg dry dry	415		BRL				50
4-Chlorophenyl phenyl ether	BRL		µg/kg dry dry	415		BRL				50
Chrysene	BRL		µg/kg dry dry	207		BRL				50
Dibenzo (a,h) anthracene	BRL		µg/kg dry dry	207		BRL				50
Dibenzofuran	BRL		µg/kg dry dry	415		BRL				50
1,2-Dichlorobenzene	BRL		µg/kg dry dry	415		BRL				50
1,3-Dichlorobenzene	BRL		µg/kg dry dry	415		BRL				50
1,4-Dichlorobenzene	BRL		µg/kg dry dry	415		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 9110808 - SW846 3545A										
Duplicate (9110808-DUP1)	**Source: SB03742-05**									
Prepared & Analyzed: 11-Nov-09										
3,3'-Dichlorobenzidine	BRL		µg/kg dry dry	415		BRL				50
2,4-Dichlorophenol	BRL		µg/kg dry dry	415		BRL				50
Diethyl phthalate	BRL		µg/kg dry dry	415		BRL				50
Dimethyl phthalate	BRL		µg/kg dry dry	415		BRL				50
2,4-Dimethylphenol	BRL		µg/kg dry dry	415		BRL				50
Di-n-butyl phthalate	BRL		µg/kg dry dry	415		BRL				50
4,6-Dinitro-2-methylphenol	BRL		µg/kg dry dry	415		BRL				50
2,4-Dinitrophenol	BRL		µg/kg dry dry	415		BRL				50
2,4-Dinitrotoluene	BRL		µg/kg dry dry	415		BRL				50
2,6-Dinitrotoluene	BRL		µg/kg dry dry	415		BRL				50
Di-n-octyl phthalate	BRL		µg/kg dry dry	415		BRL				50
Fluoranthene	BRL		µg/kg dry dry	207		BRL				50
Fluorene	BRL		µg/kg dry dry	207		BRL				50
Hexachlorobenzene	BRL		µg/kg dry dry	415		BRL				50
Hexachlorobutadiene	BRL		µg/kg dry dry	415		BRL				50
Hexachlorocyclopentadiene	BRL		µg/kg dry dry	415		BRL				50
Hexachloroethane	BRL		µg/kg dry dry	415		BRL				50
Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry dry	207		BRL				50
1-Methylnaphthalene	BRL		µg/kg dry dry	207		BRL				50
Isophorone	BRL		µg/kg dry dry	415		BRL				50
2-Methylnaphthalene	BRL		µg/kg dry dry	207		BRL				50
2-Methylphenol	BRL		µg/kg dry dry	415		BRL				50
3 & 4-Methylphenol	BRL		µg/kg dry dry	415		BRL				50
Naphthalene	BRL		µg/kg dry dry	207		BRL				50
2-Nitroaniline	BRL		µg/kg dry dry	415		BRL				50
3-Nitroaniline	BRL		µg/kg dry dry	415		BRL				50
4-Nitroaniline	BRL		µg/kg dry dry	1660		BRL				50
Nitrobenzene	BRL		µg/kg dry dry	415		BRL				50
2-Nitrophenol	BRL		µg/kg dry dry	415		BRL				50
4-Nitrophenol	BRL		µg/kg dry dry	1660		BRL				50
N-Nitrosodimethylamine	BRL		µg/kg dry dry	415		BRL				50
N-Nitrosodi-n-propylamine	BRL		µg/kg dry dry	415		BRL				50
N-Nitrosodiphenylamine	BRL		µg/kg dry dry	415		BRL				50
Pentachlorophenol	BRL		µg/kg dry dry	415		BRL				50
Phenanthrene	BRL		µg/kg dry dry	207		BRL				50
Phenol	BRL		µg/kg dry dry	415		BRL				50
Pyrene	BRL		µg/kg dry dry	207		BRL				50
Pyridine	BRL		µg/kg dry dry	415		BRL				50
1,2,4-Trichlorobenzene	BRL		µg/kg dry dry	415		BRL				50
2,4,5-Trichlorophenol	BRL		µg/kg dry dry	415		BRL				50
2,4,6-Trichlorophenol	BRL		µg/kg dry dry	415		BRL				50
Pentachloronitrobenzene	BRL		µg/kg dry dry	415		BRL				50
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry dry	415		BRL				50
Surrogate: 2-Fluorobiphenyl	*1470*		µg/kg dry dry		*2100*		*70*	*30-130*		
Surrogate: 2-Fluorophenol	*1610*		µg/kg dry dry		*2100*		*77*	*15-110*		
Surrogate: Nitrobenzene-d5	*1670*		µg/kg dry dry		*2100*		*80*	*30-130*		
Surrogate: Phenol-d5	*1390*		µg/kg dry dry		*2100*		*66*	*15-110*		
Surrogate: Terphenyl-d14	*1480*		µg/kg dry dry		*2100*		*70*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1880*		µg/kg dry dry		*2100*		*90*	*15-110*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9110808 - SW846 3545A										
Matrix Spike (9110808-MS1)	**Source: SB03742-05**									
Prepared & Analyzed: 11-Nov-09										
Acenaphthene	1470		µg/kg dry dry	104	2110	BRL	70	40-140		
Acenaphthylene	1500		µg/kg dry dry	104	2110	BRL	71	40-140		
Aniline	1070		µg/kg dry dry	209	2110	BRL	50	40-140		
Anthracene	1520		µg/kg dry dry	104	2110	BRL	72	40-140		
Atrazine	2390		µg/kg dry dry	209	2110	BRL	113	40-140		
Azobenzene/Diphenyldiazine	1560		µg/kg dry dry	209	2110	BRL	74	40-140		
Benzidine	345	QC2	µg/kg dry dry	209	2110	BRL	16	40-140		
Benzo (a) anthracene	1500		µg/kg dry dry	104	2110	BRL	71	40-140		
Benzo (a) pyrene	1480		µg/kg dry dry	104	2110	BRL	70	40-140		
Benzo (b) fluoranthene	1560		µg/kg dry dry	104	2110	BRL	74	40-140		
Benzo (g,h,i) perylene	1180		µg/kg dry dry	104	2110	BRL	56	40-140		
Benzo (k) fluoranthene	1450		µg/kg dry dry	104	2110	BRL	69	40-140		
Benzoic acid	238	QC2	µg/kg dry dry	209	2110	BRL	11	30-130		
Benzyl alcohol	1320		µg/kg dry dry	209	2110	BRL	63	40-140		
Bis(2-chloroethoxy)methane	1400		µg/kg dry dry	209	2110	BRL	66	40-140		
Bis(2-chloroethyl)ether	1230		µg/kg dry dry	209	2110	BRL	58	40-140		
Bis(2-chloroisopropyl)ether	1490		µg/kg dry dry	209	2110	BRL	70	40-140		
Bis(2-ethylhexyl)phthalate	1550		µg/kg dry dry	209	2110	BRL	73	40-140		
4-Bromophenyl phenyl ether	1630		µg/kg dry dry	209	2110	BRL	77	40-140		
Butyl benzyl phthalate	1410		µg/kg dry dry	209	2110	BRL	67	40-140		
Carbazole	1540		µg/kg dry dry	209	2110	BRL	73	40-140		
4-Chloro-3-methylphenol	1720		µg/kg dry dry	209	2110	BRL	81	30-130		
4-Chloroaniline	1390		µg/kg dry dry	209	2110	BRL	66	40-140		
2-Chloronaphthalene	1400		µg/kg dry dry	209	2110	BRL	66	40-140		
2-Chlorophenol	1410		µg/kg dry dry	209	2110	BRL	67	30-130		
4-Chlorophenyl phenyl ether	1380		µg/kg dry dry	209	2110	BRL	65	40-140		
Chrysene	1500		µg/kg dry dry	104	2110	BRL	71	40-140		
Dibenzo (a,h) anthracene	1300		µg/kg dry dry	104	2110	BRL	62	40-140		
Dibenzofuran	1390		µg/kg dry dry	209	2110	BRL	66	40-140		
1,2-Dichlorobenzene	1240		µg/kg dry dry	209	2110	BRL	59	40-140		
1,3-Dichlorobenzene	1150		µg/kg dry dry	209	2110	BRL	55	40-140		
1,4-Dichlorobenzene	1390		µg/kg dry dry	209	2110	BRL	66	40-140		
3,3'-Dichlorobenzidine	1220		µg/kg dry dry	209	2110	BRL	58	40-140		
2,4-Dichlorophenol	1450		µg/kg dry dry	209	2110	BRL	68	30-130		
Diethyl phthalate	1610		µg/kg dry dry	209	2110	BRL	76	40-140		
Dimethyl phthalate	1570		µg/kg dry dry	209	2110	BRL	75	40-140		
2,4-Dimethylphenol	1080		µg/kg dry dry	209	2110	BRL	51	30-130		
Di-n-butyl phthalate	1450		µg/kg dry dry	209	2110	BRL	69	40-140		
4,6-Dinitro-2-methylphenol	662		µg/kg dry dry	209	2110	BRL	31	30-130		
2,4-Dinitrophenol	383	QC2	µg/kg dry dry	209	2110	BRL	18	30-130		
2,4-Dinitrotoluene	1610		µg/kg dry dry	209	2110	BRL	76	40-140		
2,6-Dinitrotoluene	1740		µg/kg dry dry	209	2110	BRL	83	40-140		
Di-n-octyl phthalate	1750		µg/kg dry dry	209	2110	BRL	83	40-140		
Fluoranthene	1430		µg/kg dry dry	104	2110	BRL	68	40-140		
Fluorene	1430		µg/kg dry dry	104	2110	BRL	68	40-140		
Hexachlorobenzene	1480		µg/kg dry dry	209	2110	BRL	70	40-140		
Hexachlorobutadiene	1160		µg/kg dry dry	209	2110	BRL	55	40-140		
Hexachlorocyclopentadiene	543	QC2	µg/kg dry dry	209	2110	BRL	26	40-140		
Hexachloroethane	1290		µg/kg dry dry	209	2110	BRL	61	40-140		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9110808 - SW846 3545A										
Matrix Spike (9110808-MS1)	**Source: SB03742-05**									
Prepared & Analyzed: 11-Nov-09										
Indeno (1,2,3-cd) pyrene	1180		µg/kg dry dry	104	2110	BRL	56	40-140		
Isophorone	1320		µg/kg dry dry	209	2110	BRL	63	30-130		
1-Methylnaphthalene	1480		µg/kg dry dry	104	2110	BRL	70	40-140		
2-Methylnaphthalene	1310		µg/kg dry dry	104	2110	BRL	62	40-140		
2-Methylphenol	1360		µg/kg dry dry	209	2110	BRL	64	30-130		
3 & 4-Methylphenol	1460		µg/kg dry dry	209	2110	BRL	69	30-130		
Naphthalene	1380		µg/kg dry dry	104	2110	BRL	66	40-140		
2-Nitroaniline	1700		µg/kg dry dry	209	2110	BRL	81	40-140		
3-Nitroaniline	1480		µg/kg dry dry	209	2110	BRL	70	40-140		
4-Nitroaniline	1700		µg/kg dry dry	836	2110	BRL	80	40-140		
Nitrobenzene	1480		µg/kg dry dry	209	2110	BRL	70	40-140		
2-Nitrophenol	1530		µg/kg dry dry	209	2110	BRL	73	30-130		
4-Nitrophenol	1290		µg/kg dry dry	836	2110	BRL	61	30-130		
N-Nitrosodimethylamine	662	QC2	µg/kg dry dry	209	2110	BRL	31	40-140		
N-Nitrosodi-n-propylamine	1380		µg/kg dry dry	209	2110	BRL	65	40-140		
N-Nitrosodiphenylamine	1550		µg/kg dry dry	209	2110	BRL	74	40-140		
Pentachlorophenol	1540		µg/kg dry dry	209	2110	BRL	73	30-130		
Phenanthrene	1440		µg/kg dry dry	104	2110	BRL	68	40-140		
Phenol	1400		µg/kg dry dry	209	2110	BRL	66	30-130		
Pyrene	1480		µg/kg dry dry	104	2110	BRL	70	40-140		
Pyridine	381	QC2	µg/kg dry dry	209	2110	BRL	18	40-140		
1,2,4-Trichlorobenzene	1310		µg/kg dry dry	209	2110	BRL	62	40-140		
2,4,5-Trichlorophenol	1660		µg/kg dry dry	209	2110	BRL	79	30-130		
2,4,6-Trichlorophenol	1510		µg/kg dry dry	209	2110	BRL	71	30-130		
Pentachloronitrobenzene	1670		µg/kg dry dry	209	2110	BRL	79	40-140		
1,2,4,5-Tetrachlorobenzene	1390		µg/kg dry dry	209	2110	BRL	66	40-140		
Surrogate: 2-Fluorobiphenyl	*1520*		µg/kg dry dry		*2110*		*72*	*30-130*		
Surrogate: 2-Fluorophenol	*1320*		µg/kg dry dry		*2110*		*62*	*15-110*		
Surrogate: Nitrobenzene-d5	*1620*		µg/kg dry dry		*2110*		*77*	*30-130*		
Surrogate: Phenol-d5	*1160*		µg/kg dry dry		*2110*		*55*	*15-110*		
Surrogate: Terphenyl-dl4	*1460*		µg/kg dry dry		*2110*		*69*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1960*		µg/kg dry dry		*2110*		*93*	*15-110*		
Matrix Spike Dup (9110808-MSD1)	**Source: SB03742-05**									
Prepared & Analyzed: 11-Nov-09										
Acenaphthene	1490		µg/kg dry dry	104	2100	BRL	71	40-140	2	30
Acenaphthylene	1520		µg/kg dry dry	104	2100	BRL	73	40-140	2	30
Aniline	940		µg/kg dry dry	208	2100	BRL	45	40-140	12	30
Anthracene	1490		µg/kg dry dry	104	2100	BRL	71	40-140	1	30
Atrazine	2310		µg/kg dry dry	208	2100	BRL	110	40-140	3	30
Azobenzene/Diphenyldiazine	1520		µg/kg dry dry	208	2100	BRL	73	40-140	2	30
Benzidine	228	QC2	µg/kg dry dry	208	2100	BRL	11	40-140	40	30
Benzo (a) anthracene	1430		µg/kg dry dry	104	2100	BRL	68	40-140	4	30
Benzo (a) pyrene	1420		µg/kg dry dry	104	2100	BRL	68	40-140	3	30
Benzo (b) fluoranthene	1580		µg/kg dry dry	104	2100	BRL	75	40-140	2	30
Benzo (g,h,i) perylene	1100		µg/kg dry dry	104	2100	BRL	53	40-140	6	30
Benzo (k) fluoranthene	1300		µg/kg dry dry	104	2100	BRL	62	40-140	10	30
Benzoic acid	247	QC2	µg/kg dry dry	208	2100	BRL	12	30-130	5	30
Benzyl alcohol	1290		µg/kg dry dry	208	2100	BRL	62	40-140	2	30
Bis(2-chloroethoxy)methane	1420		µg/kg dry dry	208	2100	BRL	68	40-140	2	30
Bis(2-chloroethyl)ether	1110		µg/kg dry dry	208	2100	BRL	53	40-140	10	30

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9110808 - SW846 3545A										
Matrix Spike Dup (9110808-MSD1)	**Source: SB03742-05**									
Prepared & Analyzed: 11-Nov-09										
Bis(2-chloroisopropyl)ether	1500		µg/kg dry dry	208	2100	BRL	72	40-140	2	30
Bis(2-ethylhexyl)phthalate	1500		µg/kg dry dry	208	2100	BRL	71	40-140	3	30
4-Bromophenyl phenyl ether	1570		µg/kg dry dry	208	2100	BRL	75	40-140	3	30
Butyl benzyl phthalate	1320		µg/kg dry dry	208	2100	BRL	63	40-140	6	30
Carbazole	1490		µg/kg dry dry	208	2100	BRL	71	40-140	2	30
4-Chloro-3-methylphenol	1680		µg/kg dry dry	208	2100	BRL	80	30-130	1	30
4-Chloroaniline	1350		µg/kg dry dry	208	2100	BRL	64	40-140	2	30
2-Chloronaphthalene	1410		µg/kg dry dry	208	2100	BRL	67	40-140	1	30
2-Chlorophenol	1370		µg/kg dry dry	208	2100	BRL	65	30-130	2	30
4-Chlorophenyl phenyl ether	1380		µg/kg dry dry	208	2100	BRL	66	40-140	0.7	30
Chrysene	1440		µg/kg dry dry	104	2100	BRL	68	40-140	4	30
Dibenzo (a,h) anthracene	1230		µg/kg dry dry	104	2100	BRL	59	40-140	5	30
Dibenzofuran	1410		µg/kg dry dry	208	2100	BRL	67	40-140	3	30
1,2-Dichlorobenzene	1230		µg/kg dry dry	208	2100	BRL	59	40-140	0.5	30
1,3-Dichlorobenzene	1200		µg/kg dry dry	208	2100	BRL	57	40-140	5	30
1,4-Dichlorobenzene	1330		µg/kg dry dry	208	2100	BRL	63	40-140	4	30
3,3'-Dichlorobenzidine	943		µg/kg dry dry	208	2100	BRL	45	40-140	25	30
2,4-Dichlorophenol	1440		µg/kg dry dry	208	2100	BRL	69	30-130	0.09	30
Diethyl phthalate	1580		µg/kg dry dry	208	2100	BRL	75	40-140	1	30
Dimethyl phthalate	1570		µg/kg dry dry	208	2100	BRL	75	40-140	0.5	30
2,4-Dimethylphenol	932		µg/kg dry dry	208	2100	BRL	44	30-130	14	30
Di-n-butyl phthalate	1330		µg/kg dry dry	208	2100	BRL	64	40-140	8	30
4,6-Dinitro-2-methylphenol	875		µg/kg dry dry	208	2100	BRL	42	30-130	29	30
2,4-Dinitrophenol	482	QC2	µg/kg dry dry	208	2100	BRL	23	30-130	24	30
2,4-Dinitrotoluene	1590		µg/kg dry dry	208	2100	BRL	76	40-140	0.5	30
2,6-Dinitrotoluene	1790		µg/kg dry dry	208	2100	BRL	85	40-140	3	30
Di-n-octyl phthalate	1720		µg/kg dry dry	208	2100	BRL	82	40-140	0.6	30
Fluoranthene	1370		µg/kg dry dry	104	2100	BRL	65	40-140	3	30
Fluorene	1420		µg/kg dry dry	104	2100	BRL	68	40-140	0.06	30
Hexachlorobenzene	1420		µg/kg dry dry	208	2100	BRL	68	40-140	4	30
Hexachlorobutadiene	1130		µg/kg dry dry	208	2100	BRL	54	40-140	1	30
Hexachlorocyclopentadiene	590	QC2	µg/kg dry dry	208	2100	BRL	28	40-140	9	30
Hexachloroethane	1280		µg/kg dry dry	208	2100	BRL	61	40-140	0.4	30
Indeno (1,2,3-cd) pyrene	1060		µg/kg dry dry	104	2100	BRL	50	40-140	10	30
Isophorone	1310		µg/kg dry dry	208	2100	BRL	62	30-130	0.4	30
1-Methylnaphthalene	1490		µg/kg dry dry	104	2100	BRL	71	40-140	1	30
2-Methylnaphthalene	1340		µg/kg dry dry	104	2100	BRL	64	40-140	3	30
2-Methylphenol	1300		µg/kg dry dry	208	2100	BRL	62	30-130	4	30
3 & 4-Methylphenol	1440		µg/kg dry dry	208	2100	BRL	69	30-130	0.7	30
Naphthalene	1380		µg/kg dry dry	104	2100	BRL	66	40-140	0.5	30
2-Nitroaniline	1680		µg/kg dry dry	208	2100	BRL	80	40-140	0.6	30
3-Nitroaniline	1480		µg/kg dry dry	208	2100	BRL	71	40-140	0.8	30
4-Nitroaniline	1630		µg/kg dry dry	830	2100	BRL	78	40-140	3	30
Nitrobenzene	1460		µg/kg dry dry	208	2100	BRL	70	40-140	0.7	30
2-Nitrophenol	1560		µg/kg dry dry	208	2100	BRL	74	30-130	3	30
4-Nitrophenol	1270		µg/kg dry dry	830	2100	BRL	61	30-130	0.8	30
N-Nitrosodimethylamine	552	QC2	µg/kg dry dry	208	2100	BRL	26	40-140	18	30
N-Nitrosodi-n-propylamine	1370		µg/kg dry dry	208	2100	BRL	65	40-140	0.06	30
N-Nitrosodiphenylamine	1460		µg/kg dry dry	208	2100	BRL	70	40-140	5	30

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9110808 - SW846 3545A										
Matrix Spike Dup (9110808-MSD1)	**Source: SB03742-05**									
Prepared & Analyzed: 11-Nov-09										
Pentachlorophenol	1490		µg/kg dry dry	208	2100	BRL	71	30-130	2	30
Phenanthrene	1400		µg/kg dry dry	104	2100	BRL	67	40-140	2	30
Phenol	1370		µg/kg dry dry	208	2100	BRL	65	30-130	2	30
Pyrene	1420		µg/kg dry dry	104	2100	BRL	68	40-140	3	30
Pyridine	349	QC2	µg/kg dry dry	208	2100	BRL	17	40-140	8	30
1,2,4-Trichlorobenzene	1330		µg/kg dry dry	208	2100	BRL	63	40-140	2	30
2,4,5-Trichlorophenol	1620		µg/kg dry dry	208	2100	BRL	77	30-130	2	30
2,4,6-Trichlorophenol	1470		µg/kg dry dry	208	2100	BRL	70	30-130	2	30
Pentachloronitrobenzene	1640		µg/kg dry dry	208	2100	BRL	78	40-140	1	30
1,2,4,5-Tetrachlorobenzene	1410		µg/kg dry dry	208	2100	BRL	67	40-140	2	30
Surrogate: 2-Fluorobiphenyl	*1410*		µg/kg dry dry		*2100*		*67*	*30-130*		
Surrogate: 2-Fluorophenol	*1330*		µg/kg dry dry		*2100*		*64*	*15-110*		
Surrogate: Nitrobenzene-d5	*1600*		µg/kg dry dry		*2100*		*76*	*30-130*		
Surrogate: Phenol-d5	*1160*		µg/kg dry dry		*2100*		*56*	*15-110*		
Surrogate: Terphenyl-d14	*1340*		µg/kg dry dry		*2100*		*64*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1820*		µg/kg dry dry		*2100*		*87*	*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 9110810 - SW846 3545A										
Blank (9110810-BLK1)										
Prepared & Analyzed: 11-Nov-09										
Aroclor-1016	BRL		µg/kg wet we	20.0						
Aroclor-1016 [2C]	BRL		µg/kg wet we	20.0						
Aroclor-1221	BRL		µg/kg wet we	20.0						
Aroclor-1221 [2C]	BRL		µg/kg wet we	20.0						
Aroclor-1232	BRL		µg/kg wet we	20.0						
Aroclor-1232 [2C]	BRL		µg/kg wet we	20.0						
Aroclor-1242	BRL		µg/kg wet we	20.0						
Aroclor-1242 [2C]	BRL		µg/kg wet we	20.0						
Aroclor-1248	BRL		µg/kg wet we	20.0						
Aroclor-1248 [2C]	BRL		µg/kg wet we	20.0						
Aroclor-1254	BRL		µg/kg wet we	20.0						
Aroclor-1254 [2C]	BRL		µg/kg wet we	20.0						
Aroclor-1260	BRL		µg/kg wet we	20.0						
Aroclor-1260 [2C]	BRL		µg/kg wet we	20.0						
Aroclor-1262	BRL		µg/kg wet we	20.0						
Aroclor-1262 [2C]	BRL		µg/kg wet we	20.0						
Aroclor-1268	BRL		µg/kg wet we	20.0						
Aroclor-1268 [2C]	BRL		µg/kg wet we	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.0*		µg/kg wet we		*20.0*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [;	*18.1*		µg/kg wet we		*20.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*16.9*		µg/kg wet we		*20.0*		*84*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*15.6*		µg/kg wet we		*20.0*		*78*	*30-150*		
LCS (9110810-BS1)										
Prepared & Analyzed: 11-Nov-09										
Aroclor-1016	232		µg/kg wet we	20.0	250		93	50-140		
Aroclor-1016 [2C]	221		µg/kg wet we	20.0	250		88	50-140		
Aroclor-1260	178		µg/kg wet we	20.0	250		71	50-140		
Aroclor-1260 [2C]	204		µg/kg wet we	20.0	250		82	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.5*		µg/kg wet we		*20.0*		*88*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [;	*18.7*		µg/kg wet we		*20.0*		*94*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*16.6*		µg/kg wet we		*20.0*		*83*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*16.3*		µg/kg wet we		*20.0*		*82*	*30-150*		
LCS Dup (9110810-BSD1)										
Prepared & Analyzed: 11-Nov-09										
Aroclor-1016	230		µg/kg wet we	20.0	250		92	50-140	0.7	30
Aroclor-1016 [2C]	220		µg/kg wet we	20.0	250		88	50-140	0.3	30
Aroclor-1260	191		µg/kg wet we	20.0	250		76	50-140	7	30
Aroclor-1260 [2C]	200		µg/kg wet we	20.0	250		80	50-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.4*		µg/kg wet we		*20.0*		*87*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [;	*18.7*		µg/kg wet we		*20.0*		*94*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.8*		µg/kg wet we		*20.0*		*89*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*16.0*		µg/kg wet we		*20.0*		*80*	*30-150*		
Duplicate (9110810-DUP1) **Source: SB03742-44**										
Prepared: 11-Nov-09 Analyzed: 14-Nov-09										
Aroclor-1016	BRL		µg/kg dry dry	21.1		BRL				40
Aroclor-1016 [2C]	BRL		µg/kg dry dry	21.1		BRL				40
Aroclor-1221	BRL		µg/kg dry dry	21.1		BRL				40
Aroclor-1221 [2C]	BRL		µg/kg dry dry	21.1		BRL				40
Aroclor-1232	BRL		µg/kg dry dry	21.1		BRL				40
Aroclor-1232 [2C]	BRL		µg/kg dry dry	21.1		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 9110810 - SW846 3545A										
Duplicate (9110810-DUP1) Source: SB03742-14										
Prepared: 11-Nov-09 Analyzed: 14-Nov-09										
Aroclor-1242	BRL		µg/kg dry dry	21.1		BRL				40
Aroclor-1242 [2C]	BRL		µg/kg dry dry	21.1		BRL				40
Aroclor-1248	BRL		µg/kg dry dry	21.1		BRL				40
Aroclor-1248 [2C]	BRL		µg/kg dry dry	21.1		BRL				40
Aroclor-1254	BRL		µg/kg dry dry	21.1		BRL				40
Aroclor-1254 [2C]	BRL		µg/kg dry dry	21.1		BRL				40
Aroclor-1260	BRL		µg/kg dry dry	21.1		BRL				40
Aroclor-1260 [2C]	BRL		µg/kg dry dry	21.1		BRL				40
Aroclor-1262	BRL		µg/kg dry dry	21.1		BRL				40
Aroclor-1262 [2C]	BRL		µg/kg dry dry	21.1		BRL				40
Aroclor-1268	BRL		µg/kg dry dry	21.1		BRL				40
Aroclor-1268 [2C]	BRL		µg/kg dry dry	21.1		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.0*		µg/kg dry dry		*21.1*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*16.7*		µg/kg dry dry		*21.1*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.8*		µg/kg dry dry		*21.1*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*17.2*		µg/kg dry dry		*21.1*		*82*	*30-150*		
Matrix Spike (9110810-MS1) Source: SB03742-14										
Prepared: 11-Nov-09 Analyzed: 14-Nov-09										
Aroclor-1016	279		µg/kg dry dry	20.9	261	BRL	107	40-135		
Aroclor-1016 [2C]	283		µg/kg dry dry	20.9	261	BRL	108	40-135		
Aroclor-1260	265		µg/kg dry dry	20.9	261	BRL	102	40-135		
Aroclor-1260 [2C]	273		µg/kg dry dry	20.9	261	BRL	105	40-135		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.7*		µg/kg dry dry		*20.9*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*17.2*		µg/kg dry dry		*20.9*		*83*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.2*		µg/kg dry dry		*20.9*		*83*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*15.1*		µg/kg dry dry		*20.9*		*73*	*30-150*		
Matrix Spike Dup (9110810-MSD1) Source: SB03742-14										
Prepared: 11-Nov-09 Analyzed: 14-Nov-09										
Aroclor-1016	290		µg/kg dry dry	21.2	266	BRL	109	40-135	2	15
Aroclor-1016 [2C]	258		µg/kg dry dry	21.2	266	BRL	97	40-135	11	15
Aroclor-1260	278		µg/kg dry dry	21.2	266	BRL	105	40-135	3	20
Aroclor-1260 [2C]	269		µg/kg dry dry	21.2	266	BRL	101	40-135	3	20
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.2*		µg/kg dry dry		*21.2*		*91*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*17.6*		µg/kg dry dry		*21.2*		*83*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*18.4*		µg/kg dry dry		*21.2*		*87*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*16.1*		µg/kg dry dry		*21.2*		*76*	*30-150*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9110809 - SW846 3545A										
Blank (9110809-BLK1)										
Prepared & Analyzed: 11-Nov-09										
Gasoline	BRL		mg/kg wet we	13.3						
Fuel Oil #2	BRL		mg/kg wet we	13.3						
Fuel Oil #4	BRL		mg/kg wet we	13.3						
Fuel Oil #6	BRL		mg/kg wet we	13.3						
Motor Oil	BRL		mg/kg wet we	13.3						
Aviation Fuel	BRL		mg/kg wet we	13.3						
Unidentified	BRL		mg/kg wet we	13.3						
Other Oil	BRL		mg/kg wet we	13.3						
Total Petroleum Hydrocarbons	BRL		mg/kg wet we	13.3						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg wet we	13.3						
Surrogate: 1-Chlorooctadecane	*2.76*		mg/kg wet we		*3.33*		*83*	*50-150*		
LCS (9110809-BS1)										
Prepared & Analyzed: 11-Nov-09										
C9-C36 Aliphatic Hydrocarbons	97.5		mg/kg wet we	13.3	93.3		104	60-120		
Surrogate: 1-Chlorooctadecane	*3.04*		mg/kg wet we		*3.33*		*91*	*50-150*		
Batch 9110817 - SW846 3545A										
Blank (9110817-BLK1)										
Prepared & Analyzed: 11-Nov-09										
Gasoline	BRL		mg/kg wet we	13.3						
Fuel Oil #2	BRL		mg/kg wet we	13.3						
Fuel Oil #4	BRL		mg/kg wet we	13.3						
Fuel Oil #6	BRL		mg/kg wet we	13.3						
Motor Oil	BRL		mg/kg wet we	13.3						
Aviation Fuel	BRL		mg/kg wet we	13.3						
Unidentified	BRL		mg/kg wet we	13.3						
Other Oil	BRL		mg/kg wet we	13.3						
Total Petroleum Hydrocarbons	BRL		mg/kg wet we	13.3						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg wet we	13.3						
Surrogate: 1-Chlorooctadecane	*2.61*		mg/kg wet we		*3.33*		*78*	*50-150*		
LCS (9110817-BS1)										
Prepared & Analyzed: 11-Nov-09										
C9-C36 Aliphatic Hydrocarbons	56.9		mg/kg wet we	13.3	93.3		61	60-120		
Surrogate: 1-Chlorooctadecane	*2.16*		mg/kg wet we		*3.33*		*65*	*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 9110978 - SW846 3050B										
Blank (9110978-BLK1)										
Prepared: 16-Nov-09 Analyzed: 17-Nov-09										
Selenium	BRL		mg/kg wet we	1.46						
Lead	BRL		mg/kg wet we	1.46						
Chromium	BRL		mg/kg wet we	0.970						
Arsenic	BRL		mg/kg wet we	1.46						
Cadmium	BRL		mg/kg wet we	0.485						
Silver	BRL		mg/kg wet we	1.46						
Barium	BRL		mg/kg wet we	0.970						
Duplicate (9110978-DUP1) Source: SB03742-03										
Prepared: 16-Nov-09 Analyzed: 17-Nov-09										
Lead	13.2		mg/kg dry dry	2.08		12.2			8	20
Selenium	5.79		mg/kg dry dry	2.08		5.42			7	20
Silver	5.52		mg/kg dry dry	2.08		5.22			5	20
Arsenic	2.54		mg/kg dry dry	2.08		2.38			6	20
Chromium	37.5		mg/kg dry dry	1.39		35.2			6	20
Cadmium	0.859		mg/kg dry dry	0.693		0.870			1	20
Barium	215		mg/kg dry dry	1.39		199			8	20
Matrix Spike (9110978-MS1) Source: SB03742-08										
Prepared: 16-Nov-09 Analyzed: 17-Nov-09										
Lead	130		mg/kg dry dry	1.48	123	6.09	101	75-125		
Selenium	126		mg/kg dry dry	1.48	123	1.61	101	75-125		
Chromium	134		mg/kg dry dry	0.984	123	7.87	103	75-125		
Silver	124		mg/kg dry dry	1.48	123	0.950	100	75-125		
Cadmium	124		mg/kg dry dry	0.492	123	0.242	101	75-125		
Arsenic	123		mg/kg dry dry	1.48	123	0.955	99	75-125		
Barium	187	QM8	mg/kg dry dry	0.984	123	31.5	127	75-125		
Matrix Spike Dup (9110978-MSD1) Source: SB03742-08										
Prepared: 16-Nov-09 Analyzed: 17-Nov-09										
Lead	134		mg/kg dry dry	1.52	127	6.09	101	75-125	3	20
Selenium	128		mg/kg dry dry	1.52	127	1.61	100	75-125	2	20
Arsenic	124		mg/kg dry dry	1.52	127	0.955	97	75-125	2	20
Silver	133		mg/kg dry dry	1.52	127	0.950	104	75-125	7	20
Cadmium	127		mg/kg dry dry	0.507	127	0.242	100	75-125	2	20
Chromium	145		mg/kg dry dry	1.01	127	7.87	108	75-125	8	20
Barium	194	QM8	mg/kg dry dry	1.01	127	31.5	128	75-125	3	20
Post Spike (9110978-PS1) Source: SB03742-08										
Prepared: 16-Nov-09 Analyzed: 17-Nov-09										
Selenium	126		mg/kg dry dry	1.46	122	1.61	102	80-120		
Lead	133		mg/kg dry dry	1.46	122	6.09	104	80-120		
Chromium	133		mg/kg dry dry	0.976	122	7.87	102	80-120		
Arsenic	123		mg/kg dry dry	1.46	122	0.955	100	80-120		
Silver	123		mg/kg dry dry	1.46	122	0.950	100	80-120		
Cadmium	125		mg/kg dry dry	0.488	122	0.242	102	80-120		
Barium	173		mg/kg dry dry	0.976	122	31.5	116	80-120		
Reference (9110978-SRM1)										
Prepared: 16-Nov-09 Analyzed: 17-Nov-09										
Lead	90.0		mg/kg wet we	1.50	86.7		104	79.1-120.3		
Selenium	81.3		mg/kg wet we	1.50	74.6		109	78.4-120.9		

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 9110978 - SW846 3050B										
Reference (9110978-SRM1)										
Prepared: 16-Nov-09 Analyzed: 17-Nov-09										
Cadmium	100		mg/kg wet we	0.500	94.2		106	82.4-117.6		
Chromium	49.5		mg/kg wet we	1.00	45.1		110	78.8-120.7		
Silver	35.2		mg/kg wet we	1.50	33.3		106	66.2-133.6		
Arsenic	83.9		mg/kg wet we	1.50	79.6		105	81.6-118.4		
Barium	199		mg/kg wet we	1.00	175		113	80.7-119.3		
Reference (9110978-SRM2)										
Prepared: 16-Nov-09 Analyzed: 17-Nov-09										
Selenium	78.0		mg/kg wet we	1.50	75.7		103	78.4-120.9		
Lead	85.4		mg/kg wet we	1.50	88.0		97	79.1-120.3		
Arsenic	80.4		mg/kg wet we	1.50	80.9		99	81.6-118.4		
Chromium	48.8		mg/kg wet we	1.00	45.8		106	78.8-120.7		
Cadmium	97.4		mg/kg wet we	0.500	95.7		102	82.4-117.6		
Silver	34.0		mg/kg wet we	1.50	33.8		101	66.2-133.6		
Barium	188		mg/kg wet we	1.00	178		105	80.7-119.3		
Batch 9110980 - EPA200/SW7000 Series										
Blank (9110980-BLK1)										
Prepared: 16-Nov-09 Analyzed: 17-Nov-09										
Mercury	BRL		mg/kg wet we	0.0281						
Duplicate (9110980-DUP1) **Source: SB03742-03**										
Prepared: 16-Nov-09 Analyzed: 17-Nov-09										
Mercury	BRL		mg/kg dry dry	0.0415		BRL				20
Matrix Spike (9110980-MS1) **Source: SB03742-08**										
Prepared: 16-Nov-09 Analyzed: 17-Nov-09										
Mercury	0.483		mg/kg dry dry	0.0306	0.425	0.0322	106	75-125		
Matrix Spike Dup (9110980-MSD1) **Source: SB03742-08**										
Prepared: 16-Nov-09 Analyzed: 17-Nov-09										
Mercury	0.545		mg/kg dry dry	0.0318	0.441	0.0322	116	75-125	12	20
Post Spike (9110980-PS1) **Source: SB03742-08**										
Prepared: 16-Nov-09 Analyzed: 17-Nov-09										
Mercury	0.449		mg/kg dry dry	0.0290	0.403	0.0322	103	80-120		
Reference (9110980-SRM1)										
Prepared: 16-Nov-09 Analyzed: 17-Nov-09										
Mercury	1.88		mg/kg wet we	0.0300	1.91		98	71.7-128.2		

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 9110820 - SW846 3010A										
Blank (9110820-BLK1)										
Prepared & Analyzed: 18-Nov-09										
Lead	BRL		mg/l	0.0150						
Selenium	BRL		mg/l	0.0300						
Arsenic	BRL		mg/l	0.0080						
Cadmium	BRL		mg/l	0.0050						
Silver	BRL		mg/l	0.0100						
Chromium	BRL		mg/l	0.0100						
Barium	BRL		mg/l	0.150						
LCS (9110820-BS1)										
Prepared & Analyzed: 18-Nov-09										
Lead	2.55		mg/l	0.0150	2.50		102	85-115		
Selenium	2.45		mg/l	0.0300	2.50		98	85-115		
Arsenic	2.45		mg/l	0.0080	2.50		98	85-115		
Chromium	2.56		mg/l	0.0100	2.50		102	85-115		
Silver	2.45		mg/l	0.0100	2.50		98	85-115		
Cadmium	2.54		mg/l	0.0050	2.50		102	85-115		
Barium	2.69		mg/l	0.150	2.50		108	85-115		
LCS Dup (9110820-BSD1)										
Prepared & Analyzed: 18-Nov-09										
Selenium	2.47		mg/l	0.0300	2.50		99	85-115	0.7	20
Lead	2.57		mg/l	0.0150	2.50		103	85-115	1	20
Silver	2.44		mg/l	0.0100	2.50		98	85-115	0.2	20
Arsenic	2.47		mg/l	0.0080	2.50		99	85-115	0.8	20
Cadmium	2.57		mg/l	0.0050	2.50		103	85-115	1	20
Chromium	2.57		mg/l	0.0100	2.50		103	85-115	0.3	20
Barium	2.68		mg/l	0.150	2.50		107	85-115	0.6	20
Duplicate (9110820-DUP1)	**Source: SB03742-02**									
Prepared & Analyzed: 18-Nov-09										
Lead	BRL		mg/l	0.0150		BRL				20
Selenium	BRL		mg/l	0.0300		0.0040				20
Cadmium	0.0005	J,QR8	mg/l	0.0050		0.0016			105	20
Silver	BRL		mg/l	0.0100		BRL				20
Arsenic	BRL		mg/l	0.0080		BRL				20
Chromium	0.0081	J,QR8	mg/l	0.0100		0.0104			25	20
Barium	0.110	J	mg/l	0.150		0.129			16	20
Matrix Spike (9110820-MS1)	**Source: SB03742-01**									
Prepared & Analyzed: 18-Nov-09										
Lead	2.64		mg/l	0.0150	2.50	BRL	106	75-125		
Selenium	2.57		mg/l	0.0300	2.50	BRL	103	75-125		
Silver	2.37		mg/l	0.0100	2.50	BRL	95	75-125		
Arsenic	2.60		mg/l	0.0080	2.50	BRL	104	75-125		
Chromium	2.57		mg/l	0.0100	2.50	0.0044	103	75-125		
Cadmium	2.61		mg/l	0.0050	2.50	BRL	105	75-125		
Barium	2.76		mg/l	0.150	2.50	0.0542	108	75-125		
Matrix Spike Dup (9110820-MSD1)	**Source: SB03742-01**									
Prepared & Analyzed: 18-Nov-09										
Selenium	2.49		mg/l	0.0300	2.50	BRL	100	75-125	3	20
Lead	2.57		mg/l	0.0150	2.50	BRL	103	75-125	3	20

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 9110820 - SW846 3010A										
Matrix Spike Dup (9110820-MSD1)	**Source: SB03742-01**									
Prepared & Analyzed: 18-Nov-09										
Silver	2.34		mg/l	0.0100	2.50	BRL	94	75-125	1	20
Chromium	2.58		mg/l	0.0100	2.50	0.0044	103	75-125	0.3	20
Arsenic	2.54		mg/l	0.0080	2.50	BRL	101	75-125	3	20
Cadmium	2.55		mg/l	0.0050	2.50	BRL	102	75-125	2	20
Barium	2.84		mg/l	0.150	2.50	0.0542	111	75-125	3	20
Post Spike (9110820-PS1)	**Source: SB03742-01**									
Prepared & Analyzed: 18-Nov-09										
Selenium	2.53		mg/l	0.0300	2.50	BRL	101	75-125		
Lead	2.60		mg/l	0.0150	2.50	BRL	104	75-125		
Cadmium	2.57		mg/l	0.0050	2.50	BRL	103	75-125		
Silver	2.38		mg/l	0.0100	2.50	BRL	95	75-125		
Arsenic	2.57		mg/l	0.0080	2.50	BRL	103	75-125		
Chromium	2.51		mg/l	0.0100	2.50	0.0044	100	75-125		
Barium	2.80		mg/l	0.150	2.50	0.0542	110	75-125		
Batch 9110821 - EPA200/SW7000 Series										
Blank (9110821-BLK1)										
Prepared: 18-Nov-09 Analyzed: 19-Nov-09										
Mercury	BRL		mg/l	0.00020						
LCS (9110821-BS1)										
Prepared: 18-Nov-09 Analyzed: 19-Nov-09										
Mercury	0.00477		mg/l	0.00020	0.00500		95	56.1-122		
Duplicate (9110821-DUP1)	**Source: SB03742-02**									
Prepared: 18-Nov-09 Analyzed: 19-Nov-09										
Mercury	BRL		mg/l	0.00020		BRL				20
Matrix Spike (9110821-MS1)	**Source: SB03742-01**									
Prepared: 18-Nov-09 Analyzed: 19-Nov-09										
Mercury	0.00503		mg/l	0.00020	0.00500	BRL	101	59.8-119		
Matrix Spike Dup (9110821-MSD1)	**Source: SB03742-01**									
Prepared: 18-Nov-09 Analyzed: 19-Nov-09										
Mercury	0.00495		mg/l	0.00020	0.00500	BRL	99	59.8-119	2	20
Post Spike (9110821-PS1)	**Source: SB03742-01**									
Prepared: 18-Nov-09 Analyzed: 19-Nov-09										
Mercury	0.00528		mg/l	0.00020	0.00500	BRL	106	72.4-113		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9111031 - General Preparation										
Duplicate (9111031-DUP1)	**Source: SB03742-12**									
Prepared & Analyzed: 13-Nov-09										
% Solids	79.7		%			78.4			2	20

Notes and Definitions

CAL1	Analyte quantified by quadratic equation type calibration.
CAL2	Analyte percent drift/percent difference is greater than 30%, data is accepted due to all CCC analytes passing within the 20% Drift/Difference criteria
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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
QM9	The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.
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.
QR5	RPD out of acceptance range.
QR8	Analyses are not controlled on RPD values from sample concentrations that are less than 5 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.
SGC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
VOC8	Reporting limits reflect SW846 5030 extraction technique due to interference and/or QC issues using SW846 5035A extraction technique.
Z-2	The surrogate recovery was outside of established control limits in S911085-CCV1. Surrogate recoveries are set based on sample extraction. However, for CCVs and ICVs, the surrogates are directly injected and will result in higher recoveries.
Z-2a	The surrogate recovery was outside of established control limits in S911085-CCV2. Surrogate recoveries are set based on sample extraction. However, for CCVs and ICVs, the surrogates are directly injected and will result in higher recoveries.
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 and waste automobile 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 with 99% 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.
June O'Connor
Kim Wisk
Nicole Leja
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: Sigourney St. Bus Stn. - Hartford, CT

Project Number: 127-17797-09015

Sampling Date(s):
04-Nov-09

Laboratory Sample ID(s):
SB03742-01 through SB03742-19

RCP Methods Used: +CT ETPH, SW846 1312, SW846 1312/6010B, SW846 1312/7470A, SW846 6010B, SW846 7471A, SW846 8082, SW846 8260B, SW846 8270C

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
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)? * ** These methods have not yet been approved for release by CT DEP*	☐ Yes ☐ No ☑ N/A
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?	☑ Yes ☐ No ☐ N/A
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, #1A, or #1B 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: 11/19/2009

S003142 CIC

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 2

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

Report To: Tetra Tech RIZZO, Inc.
150 Trumbull St 4th Fl
Hartford, CT 06103-2928

Project Mgr.: Joe Perko

Invoice To: SAME

P.O. No.: _____ RQN: old 095 contract

Project No.: 127-17797-09015
Site Name: S. Quarry St. Bus Stn.
Location: Hartford State: CT
Sampler(s): Joe Perko

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	Analyses: SS35 PCBs Only	VOCs by 8260	CT ETPH	Total RCRA 8 metals	SVOCs by 8270	PCBs by 8082	SPLP RCRA 8 metals	Notes:
S003142 01	RSB1 (1-4')	11/4/09	08:40	C	SO	7,9	3	2				X	X	X	X	X	X	Please meet CT Standards + Provide CT DEP RCP Report
02	RSB-13 (3-5')		09:05									X	X	X			X	
03	(5-8')		09:20									X	X	X	X	X	X	
04	(H2O)		09:30		GW	2	3					X						
05	RSB-14 (2-4')		09:55		SO	7,9	3	2				X	X	X	X		X	
06	(6-8')		10:05									X	X	X		X	X	
07	RSB-2 (2-4')		11:00									X	X	X	X	X	X	
08	RSB-11 (1.5-3')		11:25									X	X	X	X	X	X	
09	(7-8')		11:30									X	X	X	X	X	X	
10	RSB-3 (2-4')		11:45									X	X	X	X	X	X	

Relinquished by:	Received by:	Date:	Time:
Joseph T Perko III	[signature]	11-5-09	12:00
[signature]	[signature]	11/5/09	16:30

- [ ] Fax results when available to (_____)
- [ ] E-mail results when available to _____
- Condition upon Receipt: [ ] Iced [ ] Ambient [x] 5.3°C

joseph.perko@tetratech.com

11 Almgren Drive • Agawam, Massachusetts 01001 • 413-789-9018 • Fax 413-789-4076 • www.spectrum-analytical.com

FAI DOLE

3.8°C

SB03742 ok

SPECTRUM ANALYTICAL, INC.
Featuring
HANDAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 2

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.
- All samples are disposed of after 60 days unless otherwise instructed.

Report To: Tetra Tech RMC, SAC
150 Trumbull St 4th Fl
Hartford, CT 06103-2928

Project Mgr.: Joe Reiko

Invoice To: → SAME

P.O. No.: _____ RQN: old DAS contract

Project No.: 127-17797-09015
Site Name: Sigourney St Bus Stn.
Location: Hartford State: CT
Sampler(s): Joe Reiko

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 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		SB03742 Volatile by 8260	CT EPH	Total RCRA Metals	SVOCs by 8270	Pcbs by 8082	SPLP RCRA 8 Metals		Notes:
SB03742-11	RSB-3 (6-8')	11/4/09	11:55	G	SO	7,9	3	2				X	X	X	X		X		- Please Meet CT Standards + Provide CT DEP RCP Report
12	RSB-8 (1.5-4')		13:50	↓	↓	↓	↓	↓				X	X	X	X		X		
13	↓ (5-7')		13:55									X	X	X		X	X		
14	RSB-10 (1-4')		14:05									X	X	X	X	X	X		
15	↓ (6-8')		14:15									X	X	X			X		
16	RSB-9 (2-4')		14:30									X	X	X	X	X	X		
17	↓ (8-10')		14:40									X	X	X			X		
18	Duplicate		00:00	↓	↓	↓	↓	↓				X	X	X	X	X	X		
19	Trip Blank	↓	09:40			2	1					X							
#																			

Relinquished by:	Received by:	Date:	Time:
Joseph T. Reiko III	[signature]	11.5.09	12:45
[signature]	[signature]	11/5/09	16:30

☐ Fax results when available to (_____) _____
☐ E-mail results when available to: _____
Condition upon Receipt: ☐ Iced ☐ Ambient ☐ 5.3 °C
joseph.reiko@tetratech.com

3.8°C